RICOH Pro L5130/L5160
Machine Code: M0BX / M0BY
Field Service Manual
Ver 1.00

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Important Safety Notices

Warnings, Cautions, Notes

In this manual, the following important symbols and notations are used.

⚠WARNING

- A Warning indicates a potentially hazardous situation. Failure to obey a Warning could result in death or serious injury.

⚠CAUTION

- A Caution indicates a potentially hazardous situation. Failure to obey a Caution could result in minor or moderate injury or damage to the machine or other property.

Important

- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.

Note

- This information provides tips and advice about how to best service the machine.

General Safety Instructions

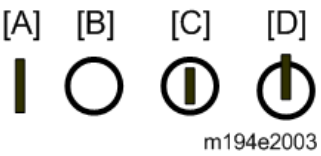
For your safety, please read this manual carefully before you use this product. Keep this manual handy for future reference.

Safety Information

Always obey the following safety precautions when using this product.

Safety During Operation

In this manual, the following important symbols and notations are used.



[A]: ON

[B]: OFF

[C]: Push ON/Push OFF

[D]: Standby

Switches and Symbols

Where symbols are used on or near switches on machines for Europe and other areas, the meaning of each symbol conforms with IEC60417.

For Norway

This product is also designed for an IT power distribution system with phase-to-phase voltage 230V.

Safety Labels of the Machine

For machines with the following label:



⚠CAUTION

DOUBLE POLE/NEUTRAL FUSING

Disconnect main power before changing fuse.

Safety

Prevention of Physical Injury

1. Before disassembling or assembling parts of the machine and peripherals, make sure that the machine and peripheral power cords are unplugged.
2. The plug should be near the machine and easily accessible.
3. Note that some components of the machine and the paper tray unit are supplied with electrical voltage even if the main power switch is turned off.
4. Always unplug the power cord from the power source before you move the product. Before you move the machine, arrange the power cord so it will not fall under the machine.
5. Disconnect all peripheral units (finisher, LCT, etc.) from the mainframe before you move the machine.
6. If any adjustment or operation check has to be made with exterior covers off or open while the main switch is turned on, keep hands away from electrified or mechanically driven components.
7. The machine drives some of its components when it completes the warm-up period. Be careful to keep hands away from the mechanical and electrical components as the machine starts operation.
8. The inside and the metal parts of the fusing unit become extremely hot while the machine is operating. Be careful to avoid touching those components with your bare hands.
9. To prevent a fire or explosion, keep the machine away from flammable liquids, gases, and aerosols.
10. Do not use flammable sprays or solvent in the vicinity of the machine. Also, avoid placing these items in the vicinity of the machine. Doing so could result in fire or electric shock.
11. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
12. Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
13. Never do any procedure that defeats the function of any safety device.

14. Modification or removal of a safety device (fuse, switch, etc.) could lead to a fire and personal injury. Always test the operation of the machine to ensure that it is operating normally and safely after removal and replacement of any safety device.
15. For replacements use only the correct fuses or circuit breakers rated for use with the machine. Using replacement devices not designed for use with the machine could lead to a fire and personal injuries.
16. When using a vacuum cleaner around the machine, keep others away from the cleaner, especially small children.

Observance of Electrical Safety Standards

1. The machine and its peripherals must be installed and maintained by a customer service representative who has completed the training course on those models with exceptions on some machines where the installation can be handled by the user.

Safety and Ecological Notes for Disposal

- Dispose of replaced parts in accordance with local regulations.
- For machines using replaceable lithium batteries:
  When keeping used lithium batteries in order to dispose of them later, do not put more than 100 batteries per sealed box. Storing larger numbers or not sealing them apart may lead to chemical reactions and heat build-up.

  ⚠CAUTION

  The danger of explosion exists if a battery of this type is incorrectly replaced. Replace only with the same or an equivalent type recommended by the manufacturer. Discard used batteries in accordance with the manufacturer's instructions.

Safety Instructions for Ink Cartridges

Accidental Exposure to Ink

⚠CAUTION

- If there is a risk of ink spattering, wear protective goggles and gloves to prevent the ink from coming into contact with eyes or skin..
- If ink gets on the skin, wash the affected area immediately with soap and cold running water.
- If ink gets into the eyes, immediately flush the eyes with cold running water. If there are signs of irritation or other problems, seek medical attention.
- If ink is swallowed, drink a strong solution of cold water and table salt to induce vomiting. Seek medical attention immediately.
- Ink is difficult to remove from fabric. Work carefully to avoid staining clothing when performing routine maintenance or replacing cartridges.

Handling and Storing Ink Cartridges

⚠WARNING

- Ink is flammable. Never store ink cartridges in a location where they will be exposed to high temperature or an open flame.

⚠CAUTION

- Always store ink cartridges out of the reach of children.
- Always store ink cartridges in a cool, dry location that is not exposed to direct sunlight.

Ink Cartridge Disposal

⚠CAUTION

- Attach the caps to empty ink containers for temporary storage to avoid accidental spillage.
- Return empty ink cartridges to a local dealer who can accept such items for collection and recycling or disposal.
- If the customer decides to dispose of empty ink cartridges, make sure that they are disposed of in accordance with local laws and regulations.

Lithium Batteries for Taiwan

警告

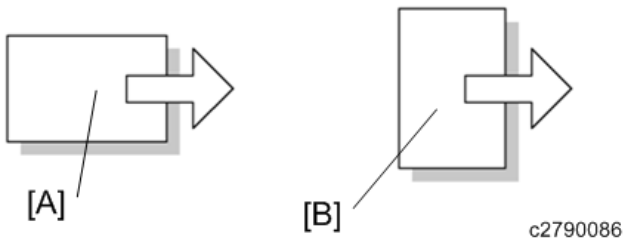
本機器內的鋰電池如果更換不正確型號會有爆炸的危險。
只能使用相同或製造商推薦同等類型的電池進行更換。
請依製造商說明書處理用過之廢棄電池。

Symbols, Abbreviations and Trademarks

Symbols, Abbreviations

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:

Symbol	What it means
	Clip ring
	Screw
	Connector
	Clamp
	E-ring
	Flat Flexible Cable
	Timing Belt
SEF	Short Edge Feed
LEF	Long Edge Feed
K	Black
C	Cyan
M	Magenta
Y	Yellow
B/W, BW	Black and White
FC	Full color



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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  Microsoft® Windows® 7 Home Premium
  Microsoft® Windows® 7 Professional
  Microsoft® Windows® 7 Ultimate
  Microsoft® Windows® 7 Enterprise
- The product names of Windows 10 are as follows:
  Microsoft® Windows® 10 Home Premium
  Microsoft® Windows® 10 Pro
  Microsoft® Windows® 10 Enterprise
  Microsoft® Windows® 10 Education
- The product names of Windows Server 2008 are as follows:
  Microsoft® Windows Server® 2008 Standard
  Microsoft® Windows Server® 2008 Enterprise
- The product names of Windows Server 2008 R2 are as follows:
  Microsoft® Windows Server® 2008 R2 Standard
  Microsoft® Windows Server® 2008 R2 Enterprise
- The product names of Windows Server 2012 are as follows:
  Microsoft® Windows Server® 2012 Foundation
  Microsoft® Windows Server® 2012 Essentials
  Microsoft® Windows Server® 2012 Standard
- The product names of Windows Server 2012 R2 are as follows:
  Microsoft® Windows Server® 2012 R2 Foundation
  Microsoft® Windows Server® 2012 R2 Essentials
  Microsoft® Windows Server® 2012 R2 Standard
- The product names of Windows Server 2016 are as follows:
  Microsoft® Windows Server® 2016 Standard
  Microsoft® Windows Server® 2016 Datacenter
  Microsoft® Windows Server® 2016 Essentials
  Microsoft® Windows Server® 2016 MultiPoint® Premium Server

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1. Product Information

Main Machine, Option, Consumables

Model Names

Main Machine

Item	Code	Remark
RICOH Pro L5130	M0BX-17, 27	New
RICOH Pro L5160	M0BY-17, 27	New
RICOH Pro L5130 Printer Stand	M0BX-57, 67	New
RICOH Pro L5160 Printer Stand	M0BY-57, 67	New

Option

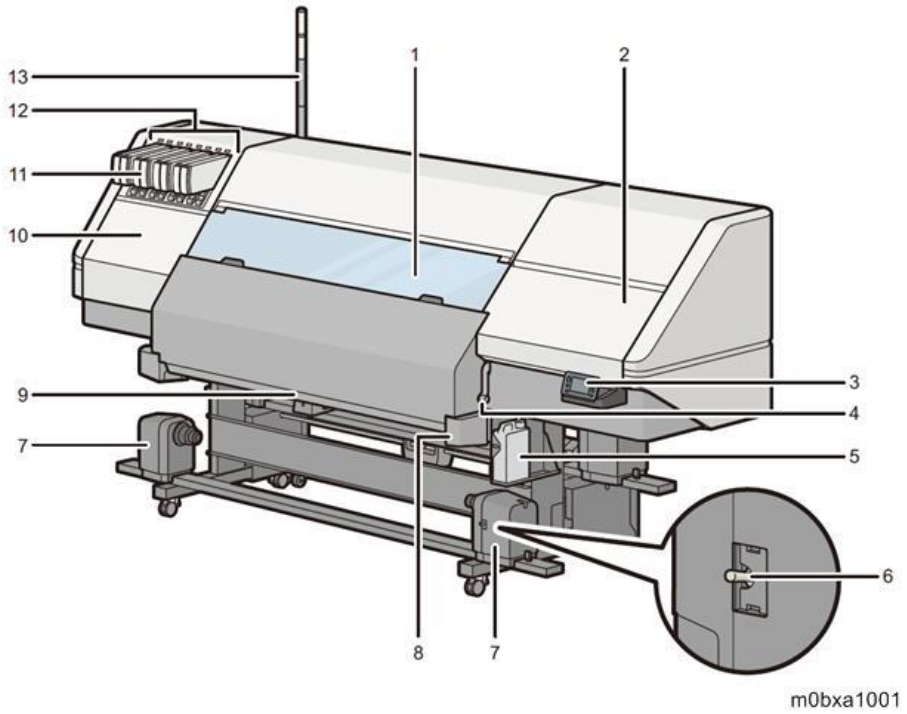
Item	Code	Remark
RICOH Attention Light Type C2	M539-20	New

Consumables

Item	Code	Remark
RICOH Pro AR Ink Cartridge Black L5160	M965-20	New
RICOH Pro AR Ink Cartridge Cyan L5160	M965-21	New
RICOH Pro AR Ink Cartridge Magenta L5160	M965-22	New
RICOH Pro AR Ink Cartridge Yellow L5160	M965-23	New
RICOH Pro AR Ink Cartridge White L5160	M965-26	New
RICOH Pro AR Ink Cartridge Black L5160 H	M965-29	New
RICOH Pro AR Ink Cartridge Cyan L5160 H	M965-30	New
RICOH Pro AR Ink Cartridge Magenta L5160 H	M965-31	New
RICOH Pro AR Ink Cartridge Yellow L5160 H	M965-32	New
RICOH Pro AR Ink Cartridge White L5160 H	M965-33	New
RICOH Maintenance Kit Type C2	M966-00	New
RICOH Cleaning Cartridge Type C2	M966-01	New
RICOH Waste Ink Bottle Type C2	M966-02	New
RICOH Cleaning Stick Type C2	M966-03	New
RICOH Displacement Cartridge Type C2	M966-04	New
RICOH Flushing Cartridge Type C2	M966-05	New

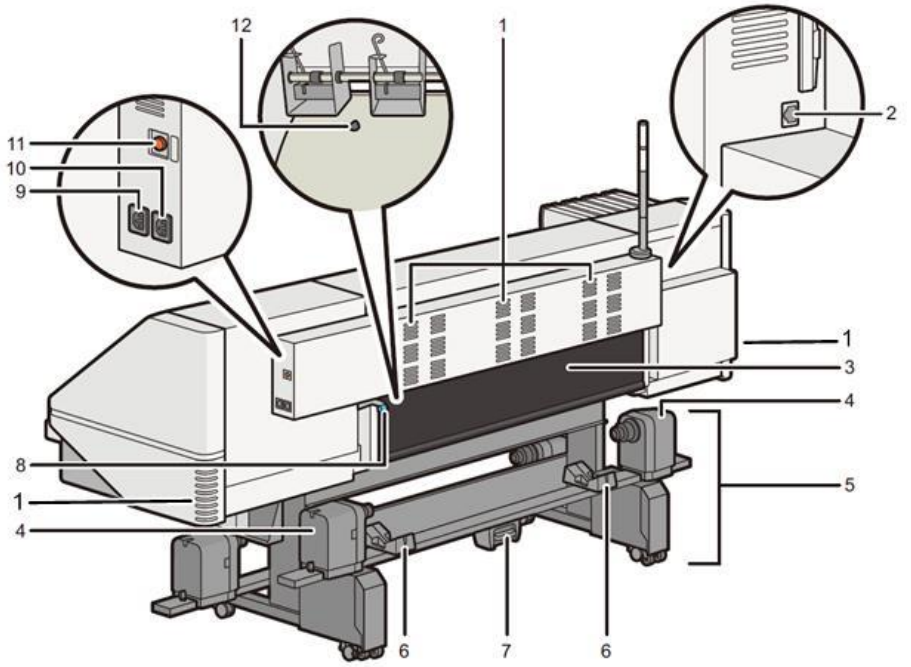
Configuration

Front View



No.	Name
1	Middle cover
2	Right front cover
3	Operation panel
4	Media holding lever (front)
5	Waste ink bottle
6	Roll-up switch
7	Roll core holder
8	Media cutter
9	Media output location
10	Left front cover
11	Ink cartridge
12	Ink indicator
13	Attention light (option)

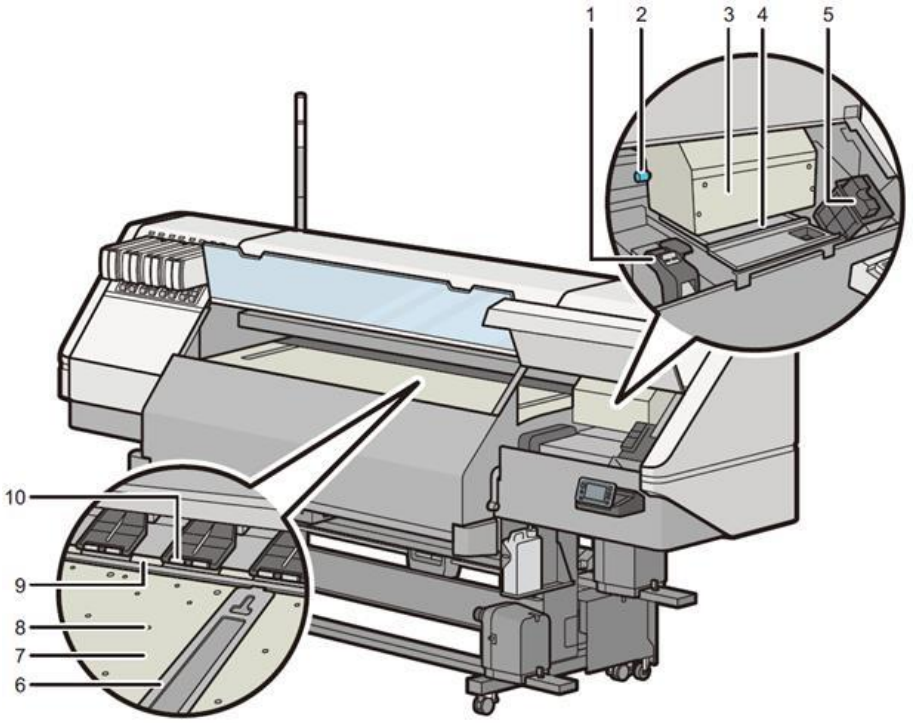
Rear/Side View



m0bxa1002

No.	Name
1	Vents
2	Ethernet port
3	Pre-heater cover
4	Roll holder
5	Roll feed unit
6	Media support
7	Handle
8	Media holding lever (back)
9	Power inlet 1
10	Power inlet 2
11	Main power switch
12	Media sensor

Inside View



m0bxa1003

No.	Name
1	Nozzle cleaning cartridge
2	Head height adjustment knob
3	Carriage
4	Capping station
5	Flushing cartridge
6	Media guide
7	Platen
8	Vacuum hole
9	Registration roller
10	Pinch roller

Guidance for Those Who Are Familiar with Predecessor Products

Comparison to Pro L4130/L4160

	Pro L4160/L4130 (4color model)	Pro L5160/L5130 (4color model)
Basic Spec		
Ink Type	Latex	Latex
Ink Color	CMYK (OrGr/W)	CMYK (+W)
Technology	Piezo Gen5	Piezo Gen5
Resolution	Up to 1200 x 1200 dpi	Up to 1200 x 1200 dpi
Cutting Plotter	No	No
Daily Maintenance		
Head Maintenance	Daily	1/year

	Pro L4160/L4130 (4Color model)	Pro L5160/L5130 (4Color model)	Pro L5160/L5130 (4C+ White model)
Basic Spec			
Dimension WxDxH (mm)	2,879 x 854 x 1,435 mm	3,300 x 1,000 x 1,500 mm	3,300 x 1,000 x 1,500 mm
Weight (kg)	240 kg (529 lbs)	380 kg (837.9 lbs)	380 kg (837.9 lbs)
Durability	5 years	5 years	5 years
Power Source	AC 100 to 120 V: 1,440W x 2 AC 220 to 240 V: 1,800W x 2	AC 208 to 240 V: 16A 50/60Hz x 2 AC 220 to 240 V: 16A 50/60Hz x 2	AC 208 to 240 V: 16A 50/60Hz x 2 AC 220 to 240 V: 16A 50/60Hz x 2
Interface	USB2.0	Ethernet (1000BASE-T/100BASE-TX)	Ethernet (1000BASE-T/100BASE-TX)
Head Height	Default, +0.5 mm, +1.0 mm	Default, +0.5 mm, +1.0 mm, +2.0 mm	Default, +0.5 mm, +1.0 mm, +2.0 mm
Media Thickness	Up to 0.3 mm	Up to 0.5 mm	Up to 0.5 mm
Media Weight	Up to 25 kg (55 lbs)	Up to 55 kg	Up to 55 kg
Left/Right end print Margin	15 mm (default)	15 mm (default)	15 mm (default)
Daily Maintenance			
Head Maintenance	Daily	1 / year	1 / year
Print Speed			

	Pro L4160/L4130 (4Color model)	Pro L5160/L5130 (4Color model)	Pro L5160/L5130 (4C+ White model)
4 pass	33.1 m2/h (356.1 sqf/h) (900 x 600 dpi) * Max Print Speed	-	-
6 pass	18.2 m^2/h (195.9 sqf/h) (1200 x 900 dpi)	46.7 m^2/h (502.7 sqf/h) (5160) 41.4 m^2/h (445.6 sqf/h) (5130) (600 x 450 dpi) * Max Print Speed	24.9 m^2/h (268.0 sqf/h) (5160) 22.2 m^2/h (239.0 sqf/h) (5130) (600 x 900 dpi)
8 pass	13.8 m^2/h (148.5 sqf/h) (1200 x 1200 dpi)	32.5 m^2/h (349.8 sqf/h) (5160) 28.9 m^2/h (311.1 sqf/h) (5130) (600 x 600 dpi)	18.9 m^2/h (203.4 sqf/h) (5160) 16.9 m^2/h (181.9 sqf/h) (5130) (600 x 900 dpi)
12 pass	11.0 m2/h (118.4 sqf/h) (900 x 900 dpi) * Standard	25.0 m^2/h (269.1 sqf/h) (5160) 22.3 m^2/h (240.0 sqf/h) (5130) (600 x 900 dpi) * Standard	12.9 m^2/h (138.9 sqf/h) (5160) 11.6 m^2/h (124.9 sqf/h) (5130) (600 x 900 dpi)
16 pass	6.6 m^2/h (71.0 sqf/h) (1200 x 1200 dpi)	15.4 m^2/h (165.8 sqf/h) (5160) 13.8 m^2/h (148.5 sqf/h) (5130) (600 x 1200 dpi)	8.7 m^2/h (93.6 sqf/h) (5160) 7.8 m^2/h (84.0 sqf/h) (5130) (600 x 900 dpi)
32 pass	-	8.7 m^2/h (93.6 sqf/h) (5160) 7.8 m^2/h (84.0 sqf/h) (5130) (1200 x 1200 dpi)	4.1 m^2/h (44.1 sqf/h) (5160) 3.7 m^2/h (39.8 sqf/h) (5130) (600 x 900 dpi)
White (Single)	-	-	7.7 m^2/h (82.9 sqf/h) (5160) 7.0 m^2/h (75.3 sqf/h) (5130) (600 x 900 dpi)
White (4C -> W)	1.9 m^2/h (20.5 sqf/h)	-	6.2 m^2/h (66.7 sqf/h)

	Pro L4160/L4130 (4Color model)	Pro L5160/L5130 (4Color model)	Pro L5160/L5130 (4C+ White model)
	(900 dpi)		(5160) 5.6 m^2/h (60.3 sqf/h) (5130) (600 x 900 dpi)
White (W -> 4C)	1.9 m^2/h (20.5 sqf/h) (900 dpi)	-	4.4 m^2/h (47.4 sqf/h) (5160) 4.0 m^2/h (43.1 sqf/h) (5130) (600 x 900 dpi)
White (4C -> W -> 4C)	-	-	3.8 m^2/h (40.9 sqf/h) (5160) 3.4 m^2/h (36.6 sqf/h) (5130) (600 x 900 dpi)

Characteristics between AR1 and AR2

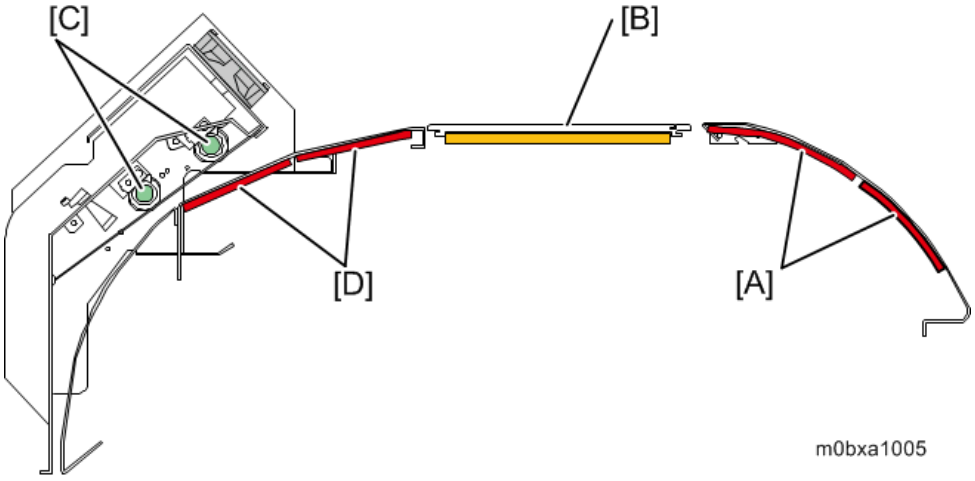
- □: Advantage
- x : Disadvantage
- - : Equal

		AR1(Pro L4160/L4130) ink	AR2(Pro L5160/L5130) ink* * Target	Remark
Density	Black	x	□	CMM on
Chroma	Cyan	x	□	CMM on
	Magenta	-	-	CMM on
	Yellow	□	x	CMM on
Lightness	Cyan	-	-	CMM on
	Magenta	□	x	CMM on
	Yellow	-	-	CMM on
Gamut		x	□	CMM on
Glossiness (20°)	Black	□	x	CMM on
	Cyan	x	□	CMM on
	Magenta	x	□	CMM on
	Yellow	□	x	CMM on
Graininess	Black	x	□	CMM on
	Cyan	x	□	CMM on
	Magenta	-	-	CMM on

		AR1(Pro L4160/L4130) ink	AR2(Pro L5160/L5130) ink* * Target	Remark
	Yellow	-	-	CMM on
White Opacity		-	-	4C+W
Beading		-	-	
Blur		-	-	
Banding		-	-	
Adhesion		-	-	
Scratch Resistance		-	-	
Weather Resistance		-	-	

No drying time, secondary processing

- Pre-heater [A], Print heater [B], Cure heater [C] and Post heater [D] are equipped on the platen. The Pre-heater is used for pre-heating of the media prior to printing to prevent rapid changes in temperature. The Print heater improves the image quality in printing. The Post heater and drying-heater dries ink after printing.
- New Latex inks, immediately fixation and curing. It can be moved forward to the secondary processing, such as lamination.



Comparison of Laminating work time

Latex ink does not require long drying time after printing, therefore operator can immediately move forward to next process. (Exam. Laminating)

New Feature

Operation panel of machine

4.3 inch touch panel will be standard feature for Pro L5160/L5130 and tiltable up to 90°. It enables you to operate Ko-P1 more intuitively.



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The intuitive 4.3 inch operation panel will be standard for Ko-P1, and some hard keys assist to access to the functions smoothly. Also, it improves customer usability and total productivity.

Waiting



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Printing



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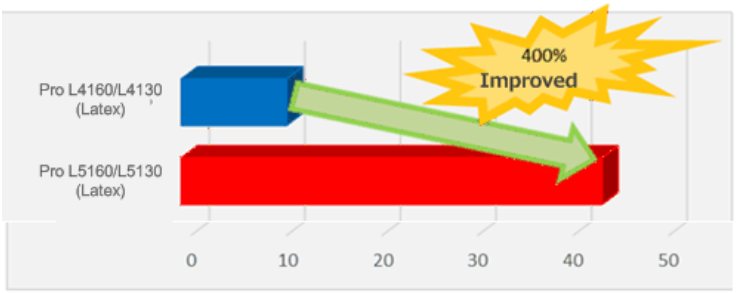
No	Hard Key/ Button	Function/ Feature Descriptions
1	Online/ Offline	When you would like to start printing after ripped data are sent, you switch to "Online" mode. And, at "Offline", you can change a variety of device settings.
2	Lighting	Turn on and off internal LED lamp (refer to page.37)
3	Energy Saver	When you don't use devices, the energy consumption turns into quite low.
4	User Tools	Change the device setting such as IP address, languages, and so on.
5	Maintenance	You can access to the function list to clean print heads and keep the quality.
6	Standard Procedure	Each conditions for printing are adjusted under this hard keys.
7	Supply Remaining	Every inks and other essential supplies enable to monitor with visualized icons.
8	Heater Setting	Pre, Print, Post, and Fan heater are adjusted separately.
9	Origin Setting/ Cut	You can adjust the origins to print and cut media after pushing the button.
10	Job Status	When printing, you can monitor job status like profile data and media length etc.

2nd Generation AR ink

- 2nd Generation AR ink enable you to get outstanding productivity.
- 4Color and 4Color+ White printing are available for Pro L5160/L5130.
- At 4Color, the productivity for “Outdoor High Speed” is 44.0 m^2/h (473sqf/h).
- At 4Color, the productivity for “Indoor Standard” is 25.1 m^2/h (270sqf/h).
- White single layer is 7.3 m^2/h (81.7sqf/h), available only for 4Color+ White.

Outdoor High Speed

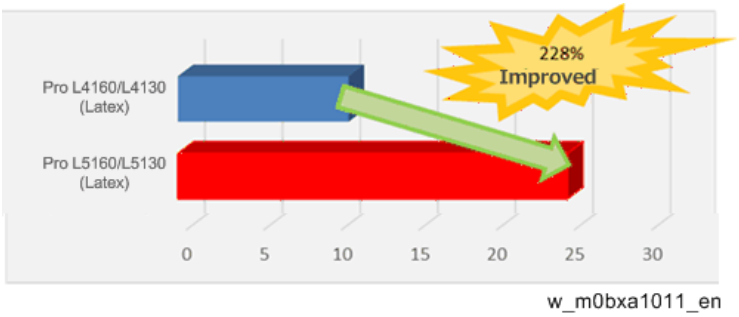
	4C	6C	Target Quality
Pro L5160/L5130	44.0 m^2/h (473 sqf/h)	N/A	Outdoor High Speed
Pro L4160/L4130	11.0 m^2/h (118 sqf/h)	5.6 m^2/h (60.2 sqf/h)	Standard



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Indoor Standard

	4C	6C	Target Quality
Pro L5160/L5130	25.1 m^2/h (270 sqf/h)	N/A	Indoor Standard
Pro L4160/L4130	11.0 m^2/h (118 sqf/h)	5.6 m^2/h (60.2 sqf/h)	Standard

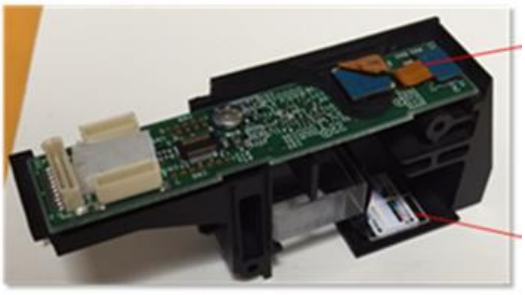


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Note

Detail productivity will be updated.

Colorimetric Sensor



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The detail function is below.

Function		Description
Correction of dot positioning	Scan	• Measure the gap at each print heads with a test chart • Adjust the ink drop timing automatically
	Feed	• Measure the gap between the target and reference line with a test chart • Give the feedback about the measured gap and adjust paper feed automatically
Detection of nozzle		• Detect missing nozzles with a test pattern and order to clean

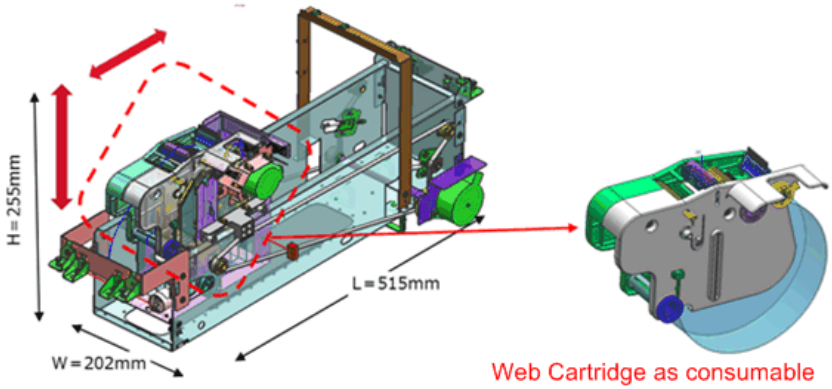
Function		Description
blocking		• Register the blocked nozzles automatically with other healthy nozzles after they aren't recovered through the cleaning

Cleaning Cartridge

Cleaning Cartridge enables you to relief from the daily maintenance.

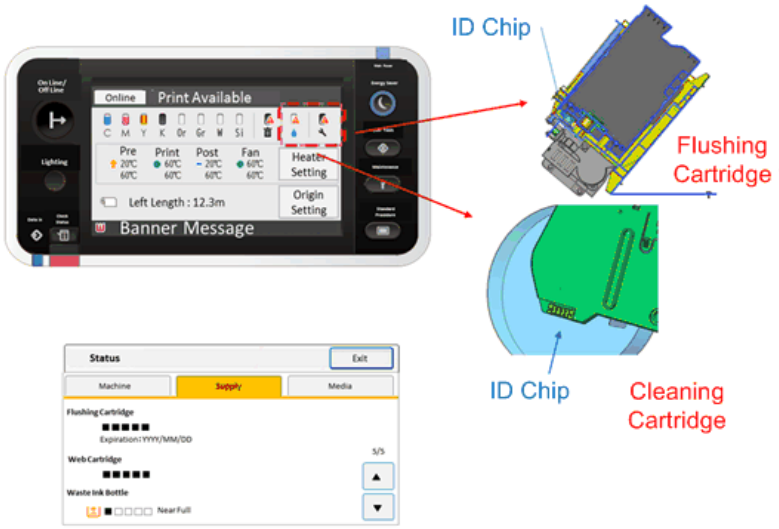
Note

Yearly maintenance should be required on APV basis.



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It cleans every print heads while moving from the back to the front of print heads. 1.5m web lasts 1month and a half on APV basis with rolling web after it wipes out and becomes dirty.



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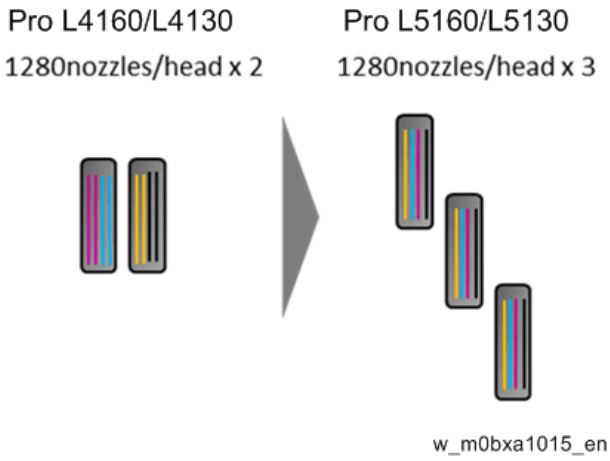
Cleaning cartridge and Flushing Cartridge has IC chip and can be monitored about the remaining with new operation touch panel.

Enhanced Gen5 print head and improved jetting technology

Excellent Image Quality with New Ricoh High-speed Print Heads

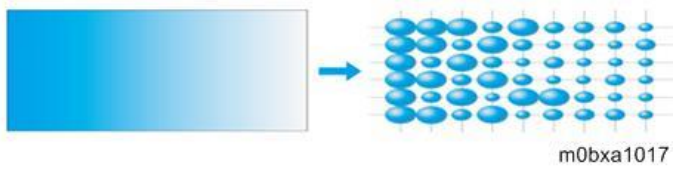
- Arranged in a single line with four rows of 320 nozzles per head (Same as Pro L4160/L4130)
- 3 x stagger heads per 1 printer

- Total 3840 nozzles per 1 printer

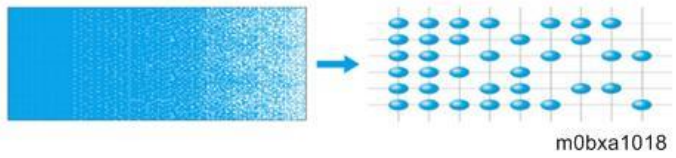


Multiple Drop Sizes with a Minimum Size of 5pl

- The function of Multi jetting provides 3 different drop sizes at once. The drop sizes of ink from the print head can be selected to a minimum of 5pl to suit for various media or density.
- At Pro L5160/L5130, three types of controlled wave form differs from droplet sizes in accordance with productivities.
  - WF1 is formed at 6pass and 8pass, and covers with bigger droplets to achieve high productivity.
  - WF2 is formed at 12pass or later and covers with smaller droplets to achieve precise image quality.
  - WF3 is for white printing.
- Droplet size of each wave form is below.
  - WF1 : 6.5pl, 13pl, 19pl
  - WF2 : 5pl, 6.5pl, 13pl
  - WF3 : 6.5pl, 13pl, 19pl
- Multiple dot



- Conventional dot



Usability Improvement

Automatically ink fulfill system (4-color mode)

Two ink cartridges per color can be set in 4-color mode. when an ink-end, another same color cartridge

automatically starts supplying ink to prevent the printer from stopping

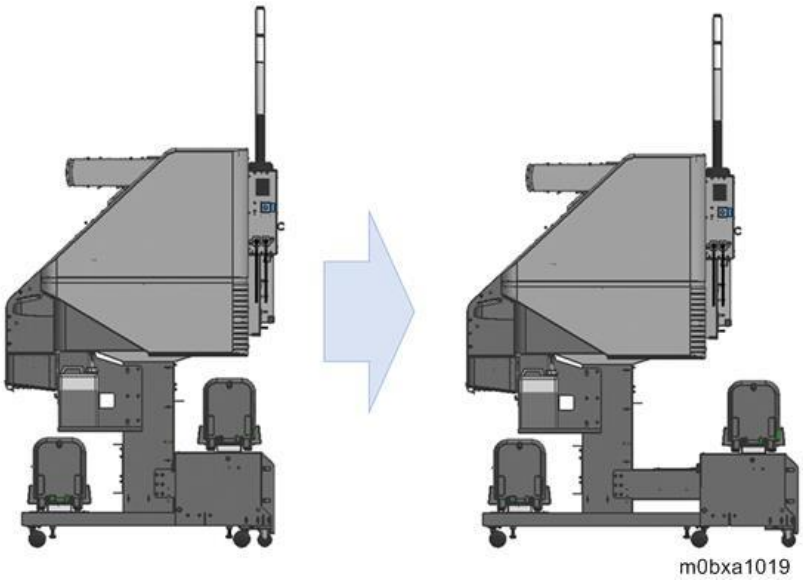
Web wipe unit

Web wipe unit enables you to relief from the daily maintenance. And, it provides you stable print qualities by wiping out inks sticking around print heads.

Easy Media Setting

(Slider of Roll Feed Unit)

Roll Feed Unit can be slide at 250mm and makes customers easier to load media to media support. Customers can also see the proper position of media support even with heavier media.

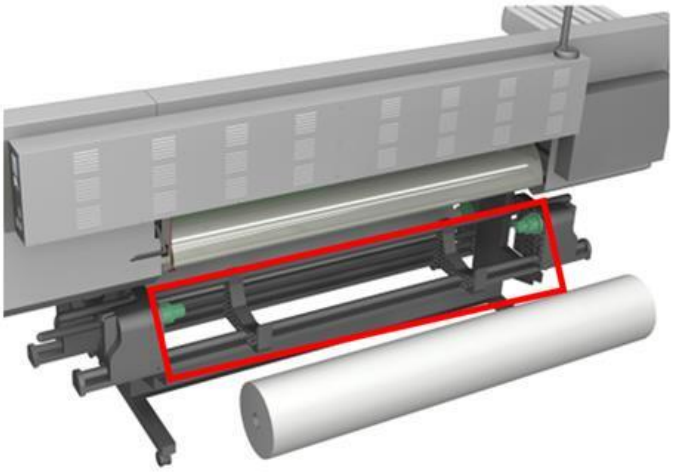


(Media Support for temporary media stand)

Media support is newly embedded to help you lifting heavy media, up to 55kg (121lbs) to set media more easily.

Roll to Sheet Cutting

- At each ripping data, you can select to cut automatically. It enables you to shift to next process effectively.
- Also, with cutter blade installed after post/ fan heater, printings aren’t needed to move back to the platen for cutting and you can get the stable outputs and shorten the delivery.



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Note

Some of media are uncuttable with this function.

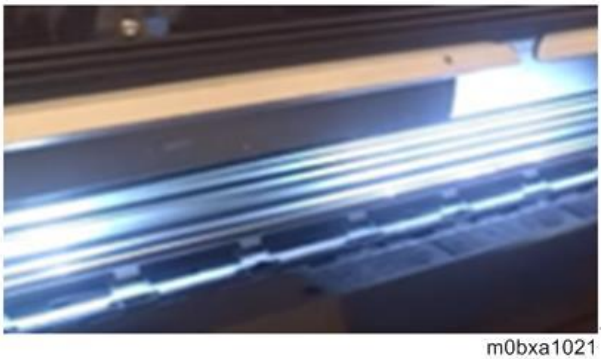
Visualization of customer productivity

Attention Light (Option)

You can find out troubles more easily even when you are far away from Pro L5160/L5130 and operate another devices.

Internal LED Lamp

You can monitor the image quality and find out troubles easily even while printing.



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Web Image Monitor

Note

All user interface image design are tentative and subject to change.

User interface has newly been developed for usability improvement. For example, you can check all printer status at merged “Home” page easily by moving “Device Setting” page, which is usually set at the left side, to the upper switching tub.

Displacement Cartridge for white

You can switch “White” ink to “Displacement Cartridge” when you don’t utilize white ink for printing. It operates like white inks for ink circulation and keeps you utilizing white inks longer.

2. Installation

Installation Condition

Installation Environment

⚠CAUTION

Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.

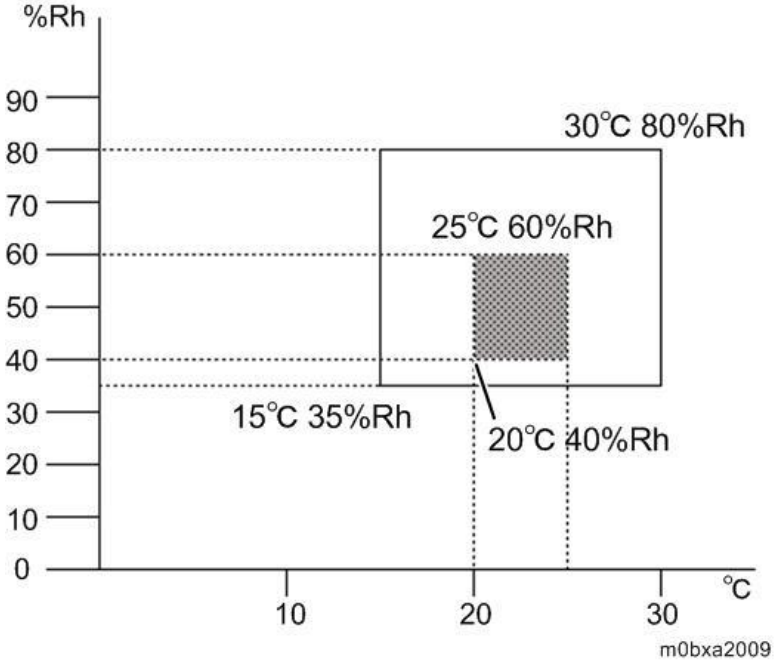
Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.

Make sure the room where you are using the machine is well ventilated and spacious. Good ventilation is especially important when the machine is used heavily.

Do not obstruct the machine's vents. Doing so risks fire caused by overheated internal components.

The gray-colored area in the figure shows the recommended temperature and humidity range of the operating environment.

- Temperature: 15-30°C (59-86°F) (Recommended range: 20-25°C (68-77°F))
- Humidity: 35-80% (Recommended range: 40-60%)
- Altitude: 2,000 m (approx. 6,561.7 ft.) or less



Place the machine in a stable place where the floor is strong enough to withstand a load of 1,800 N/m^2 or more.

If the machine is placed somewhere where the conditions are different from those recommended, a failure may occur. Avoid the following environments when locating the machine:

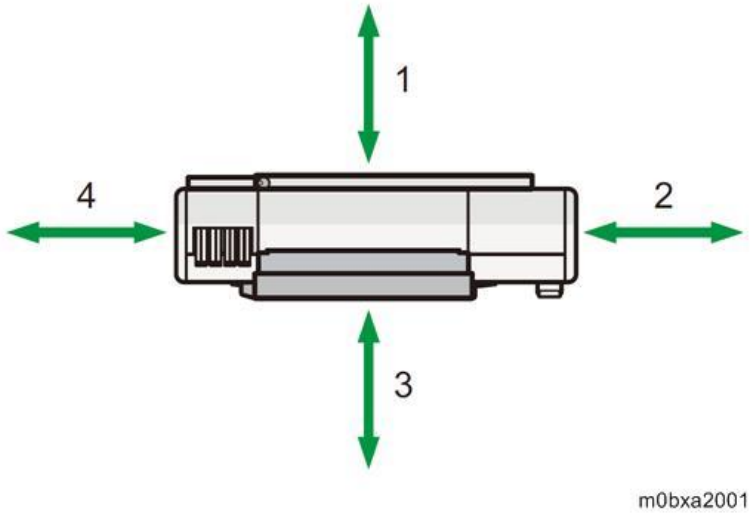
- Low temperature and humidity or high temperature and humidity
- Places exposed to direct sunlight
- Places close to heaters, air conditioners, or humidifiers
- Places subject to frequent strong vibration

- Places with poor ventilation
- Dusty areas
- Places close to an oil heater or machine generating ammonia, such as a diazo copy machine

Precautions for users of ultrasonic-type humidifiers

Do not use an ultrasonic-type humidifier near this product.
Chlorine or mineral components atomized by an ultrasonic-type humidifier may adhere to the electronic components inside the product, causing it to malfunction.

Installation Location



1. Rear: 1,000 mm (approx. 39.4 inches) or more
2. Right: 500 mm (approx. 19.7 inches) or more
3. Front: 1,000 mm (approx. 39.4 inches) or more
4. Left: 500 mm (approx. 19.7 inches) or more

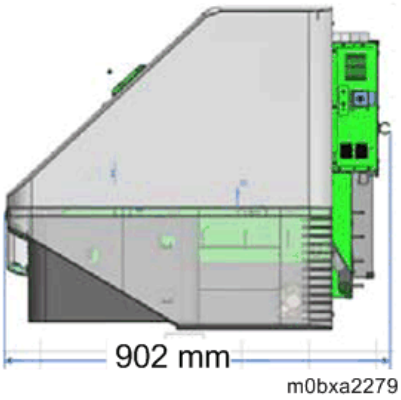
External Dimension when the Machine is Packed

	Width	Depth	Height	Mass
Pro L5130	3,450 mm (135.83")	1,120 mm (44.09")	1,544 mm (60.79")	512 kg or less (1128.77 lb)
Pro L5160	3,450 mm (135.83")	1,120 mm (44.09")	1,544 mm (60.79")	525 kg or less (1157.47 lb)

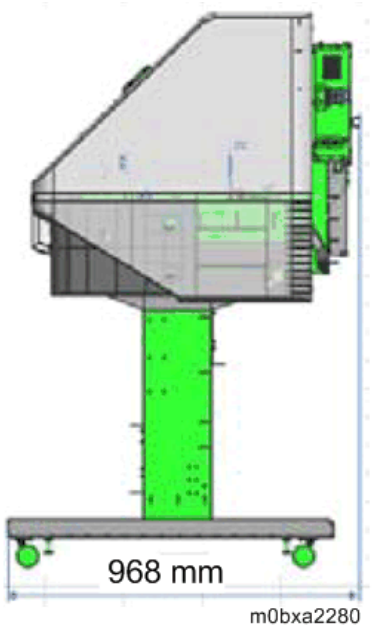
Machine Dimension

	Width	Depth	Height
Pro L5130	3,050 mm (120.08")	1,000 mm (39.37")	1,500 mm (59.06")
Pro L5160	3,300 mm (129.92")	1,000 mm (39.37")	1,500 mm (59.06")

Unpacked State



Unpacked State with Printer Stand



Level Standard

Place the machine on a level surface.

The machine must be level within 5 mm (approx. 0.197 inch): both front to rear and left to right.

Power Source

The machine has two power cords. Each power cord plug must be connected to a different power source that has an independent circuit breaker.

- EU/AP: AC220-240 V, 16 A, 50/60 Hz (These values are for one power cord only.)
- NA: AC208-240 V, 16 A, 50/60 Hz (These values are for one power cord only.)
  For users in Norway, this product is also designed for an IT power distribution system with phase-to-phase voltage of 230 V.

Be sure to connect the power cord to a power source as above.

⚠CAUTION

The capacity of power in this machine is 32 A and 6,000 W with both cords combined. Connect each cord to separate power sources with independent breakers. If you connect to an electrical outlet that is connected to the same breaker, the breaker may cut off power.

Installation Overview

This machine can be used with 4C (C, M, Y, K) or 4C+W (C, M, Y, K, W) ink configuration. But the machine is in the state of 4C model with the factory-default setting. Therefore, if the customers use the machine in the state of 4C+W model, the setting needs to be changed to 4C+W model when installing the machine.

Confirm the ink configuration that customer uses, and install as the following flow chart.

Installation Flow

No.	Operation Item	4C	4C+W
1	Unpacking Procedure	✓	✓
2	Installing the Printer Stand	✓	✓
3	Connecting Printer Stand with the Main Unit by Using Grips or a Forklift	✓	✓
4	Removing Exterior Orange Tapes	✓	✓
5	Removing the Left Front Cover, Left Side Upper Cover, Left Side Lower Cover, and Rear Left Cover • Removing Exterior Orange Tapes • Removing the Left Front Cover • Removing the Left Side Upper Cover • Removing the Left Side Lower Cover • Removing the Rear Left Cover	✓	✓
6	Installing the Left Bottom Cover	✓	✓
7	Removing the Right Side Upper Cover, Right Side Lower Cover, and Rear Right Cover • Removing the Right Side Upper Cover • Removing the Right Side Lower Cover • Removing the Rear Right Cover • Removing the Supporting Screws from the Carriage Unit	✓	✓
8	Removing the Supporting Screws from the Carriage Unit	✓	✓
9	Installing the Right Bottom Cover	✓	✓
10	Installing the Operation Panel	✓	✓
11	Removing the Sealing Screw from the Ink Receiving Port	✓	✓
12	Removing the Supporting Sponge from the Carriage Unit	✓	✓

No.	Operation Item	4C	4C+W
13	Removing the Protecting Seat of the Middle Cover	✓	✓
14	Installing Post Guide Plate and Cutter Unit	✓	✓
15	Installing the Cure Heater	✓	✓
16	Attaching the Media Holding Lever	✓	✓
17	Removing the Bracket Used for the Bar to Carry	✓	✓
18	Installing the Roll Holder/Roll Core Holder	✓	✓
19	Installing the Waste Ink Bottle	✓	✓
20	Level Adjustment	✓	✓
21	Paper Feed/Roll-up Alignment Adjustment	✓	✓
22	Measuring the Head Height and the Jam Detection Feeler Height	✓	✓
23	Installing the Power Cord and its Bracket	✓	✓
24	Attaching the Ink Cartridge Decal	✓	✓
25	Setting the Ink Cartridges to the Machine and the Flow of Initial Filling	✓	✓
26	Installing the Nozzle Cleaning Cartridge	✓	✓
27	Installing the Flushing Cartridge	✓	✓
28	Filling the Cleaning Liquid/ Discharging the Filling Liquid	✓	✓
29	Changing Color Variation SP *1	-	✓
30	Changing the Joints of Branch Section and Connecting Circulation Tubes *1	-	✓
31	Attaching the Circulation Tubes to Head Tank *1	-	✓
32	Initial Ink Filling	✓	✓
33	Damper Air Purge	✓	✓
34	Setting the Media	✓	✓
35	Nozzle Check Pattern Printing/Checking	✓	✓
36	Colorimetric Sensor Adjustment: Adjustment of Sub-scan Direction Feed Amount	✓	✓
37	Colorimetric Sensor Adjustment: Auto Gap Adjustment	✓	✓
38	Date Settings	✓	✓
39	Time Zone/Summer Time Settings	✓	✓
40	Network Setup	✓	✓
41	@Remote Settings	✓	✓
42	RIP Server Setup	✓	✓
43	SMC Report (Storing the Setting Value of SP Code)	✓	✓
44	Updating the Firmware	✓	✓
45	Checking the Output	✓	✓
46	Moving the Machine	✓	✓
47	Attention Light Type C2 (option)	✓	✓
48	Operation Instruction	✓	✓

*1: Operation for 4C+W model. The factory default setting is for 4C model. If customers use the

machine in the state of 4C+W model, the setting needs to be changed to 4C+W model when the machine is installed.

Main Machine Installation

Important

Installation procedure must be done by seven people until they completes assembling the printer stand and the main unit. When setting the main unit to the printer stand without a forklift, eight people are needed.

The rest procedures are done by two customer engineers.

When doing the following installation procedure, wear gloves and goggles.

- Installing the Waste Ink Bottle
- Damper Air Purge

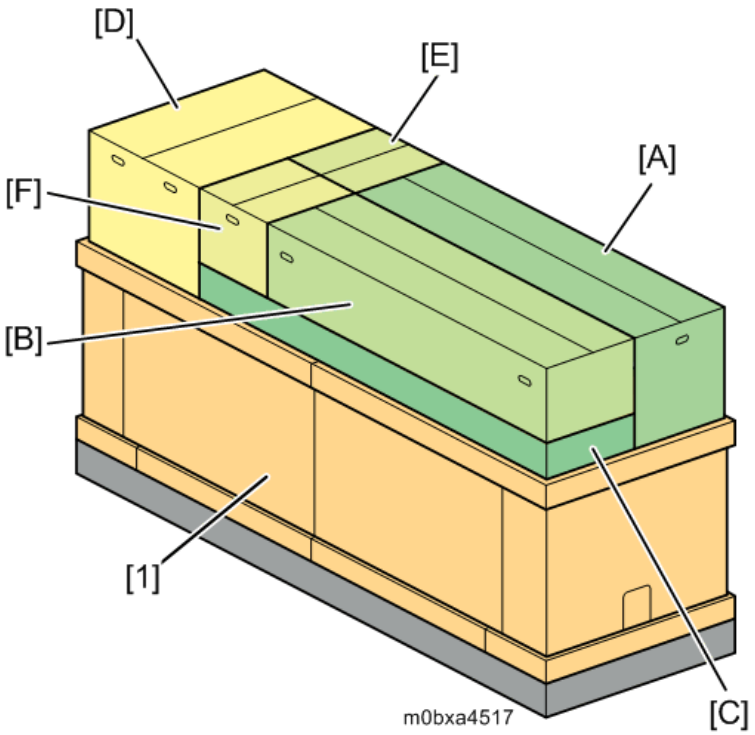
Unpacking Procedure

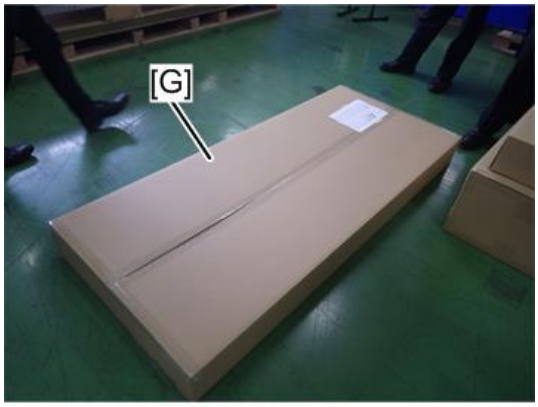
What You Need

- Scissors or Cutter
- Gloves
- Hexagonal wrench (2 mm (approx. 0.08 inch))
- Level
- Adjustable wrench (19 mm (approx. 0.75 inch))

Accessory Boxes

The main unit and the accessories are packed in the carton boxes and carried-in the customer site as shown below.



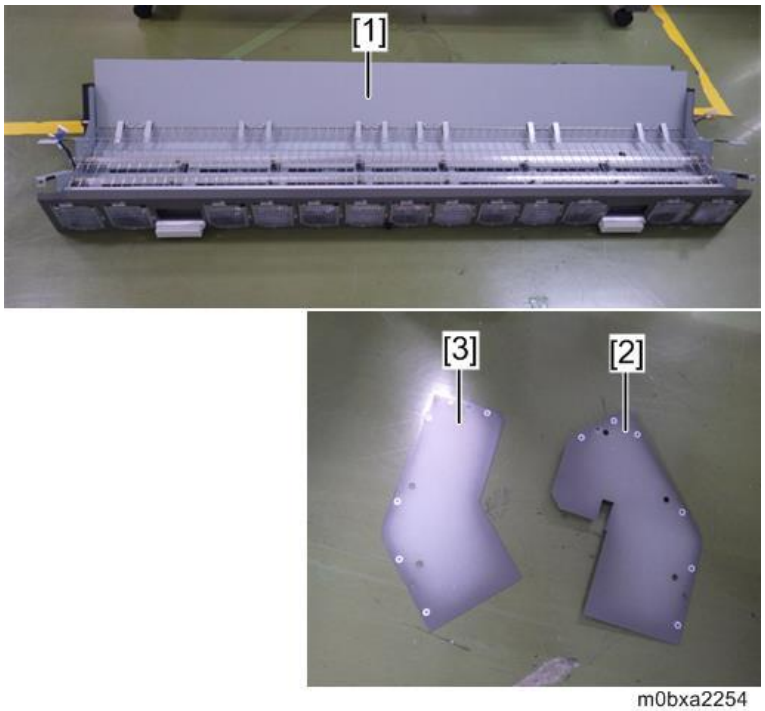


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No.	Main contents in the accessory box
[1]	Plotter Unit
[A]	Cure Heater
[B]	Post Guide Plate/Cutter Unit
[C]	Roll Feed/Roll-up Unit Stays
[D]	Plotter Right Lower/Left Lower Cover, Paper Feed Caster Units
[E]	Roll Holder/Roll Core Holder
[F]	Media Bench, Paper Feed Support Stay
[G]	Printer Stand

Main Unit Accessory List

Cure Heater [A]



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No.	Description	Q'ty	
		L5130	L5160
1	Cure Heater:160	0	1
	Cure Heater:130	1	0
2	Right Cover for Side Plate	1	1
3	Left Cover for Side Plate	1	1

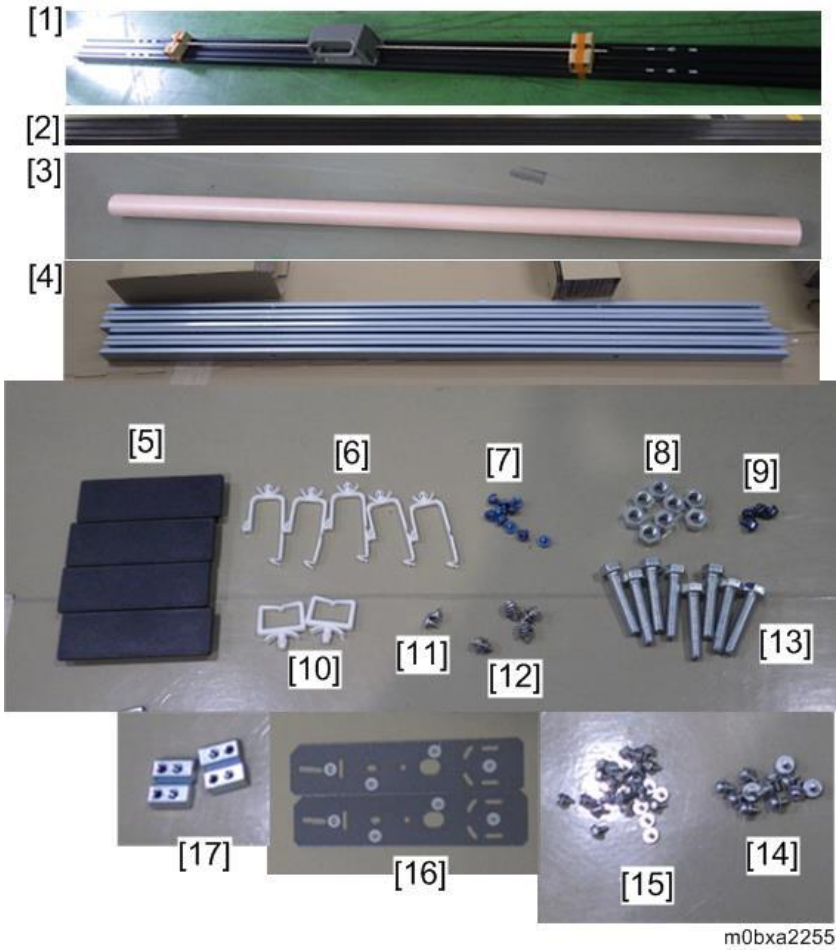
Post Guide Plate/Cutter Unit [B]



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No.	Description	Q’ty	
		L5130	L5160
1	Post Guide Plate/Cutter:160	0	1
	Post Guide Plate/Cutter:130	1	0

Roll Feed/Roll-up Unit Stays, Paper Feed Caster Unit [C]



No.	Description	Q'ty	
		L5130	L5160
1	Roll Feed Unit Stay:160	0	1
	Roll Feed Unit Stay:130	1	0
2	Roll-up Unit Stay:160	0	1
	Roll-up Unit Stay:130	1	0
3	Roll Core:160	0	1
	Roll Core:130	1	0
4	Stay 2	4	4
5	CAP:STAY:GUIDE:FLANGE	4	4
6	CLAMP:LWS-2218A	5	5
7	TAPPING SCREW - M3X6	32	32
8	HEXAGONAL NUT:M8	8	8
9	TAPPING SCREW - M4X8	14	14
10	CLAMP - WS-4W	2	2
11	SCREW:M3:DIA4X5.6	2	2
12	SCREW:SPRING WASHER:ROUND POINT:M4X10	4	4

No.	Description	Q'ty	
		L5130	L5160
13	HEXAGONAL BOLT:M8X40	8	8
14	SCREW:POLISHED ROUND:M4X8 *1	8	8
15	HEXAGONAL BOLT:DOUBLE SCREW:M4X12	30	30
16	Platen Adjustment Plate (Front/Rear)	2	2
17	NUT:LOCK:M4	4	4
-	HEXAGON SOCKET HEAD CAP BOLT:SW-W:M4X8:BLACK	4	4
-	BOLT - M3X8	8	8
-	WASHER DIA3	8	8
-	TAPPING SCREW:ROUND POINT:4X10	1	1

*1: Four of this screws are provided in another bag. They are used for fixing the adjustment plate to the roll-up unit stay.

Plotter Right Lower/Left Lower Cover [D]

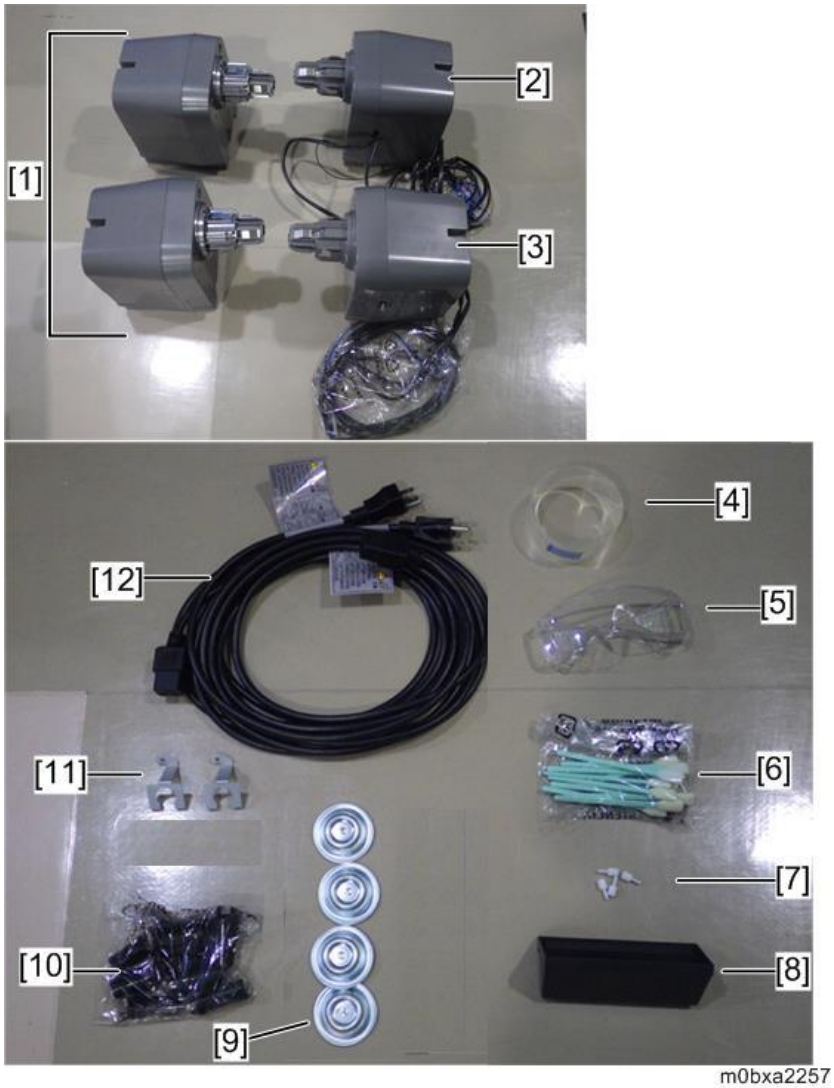


m0bxa2256

No.	Description	Q'ty	
		L5130	L5160
1	Plotter Left Lower Cover	1	1
2	Plotter Right Lower Cover	1	1
3	Ink Cartridge Decal	1	1
4	GLOVE	2	2
5	Nozzle Cleaning Cartridge	1	1
6	Paper Feed Right Stand	1	1
7	Paper Feed Left Stand	1	1
-	RIP	1	1
-	Manuals	1	1

No.	Description	Q'ty	
		L5130	L5160
-	Protection sheet for attaching the paper feed support stay	1	1

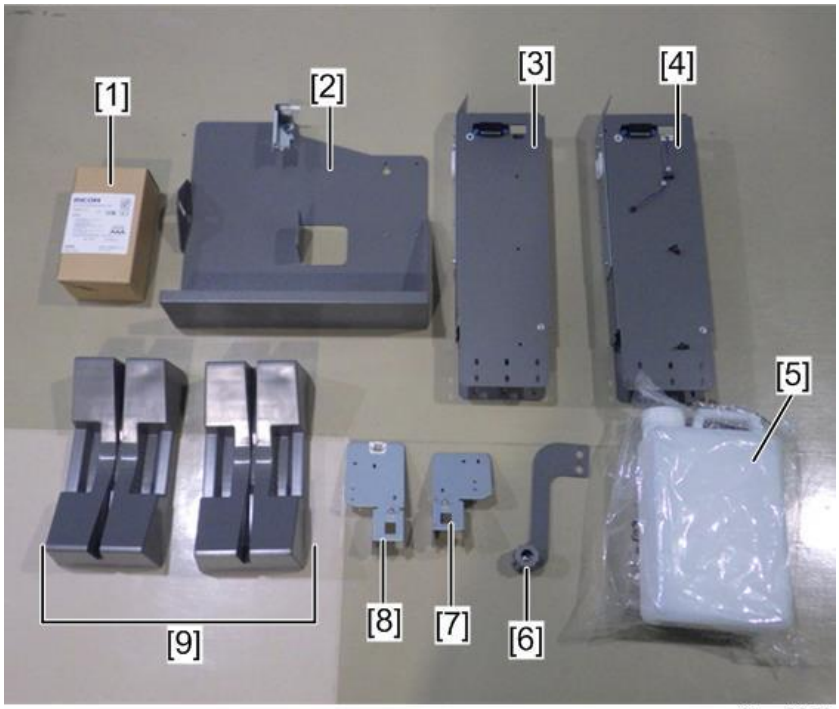
Roll Holder/Roll Core Holder [E]



No.	Description	Q'ty	
		L5130	L5160
1	Driven Holder	2	2
2	Drive Roll Holder	1	1
3	Drive Roll Core Holder	1	1
4	SHEET:ADJUSTMENT:TRANSPORT UNIT	1	1
5	Protective Glasses	1	1
6	CLEANING-STICK	12	12
7	Sealing Materials for Channel	4	4
8	TRAY:WASTE FLUID:AIR OUT	1	1
9	HOLDER:STAND	4	4

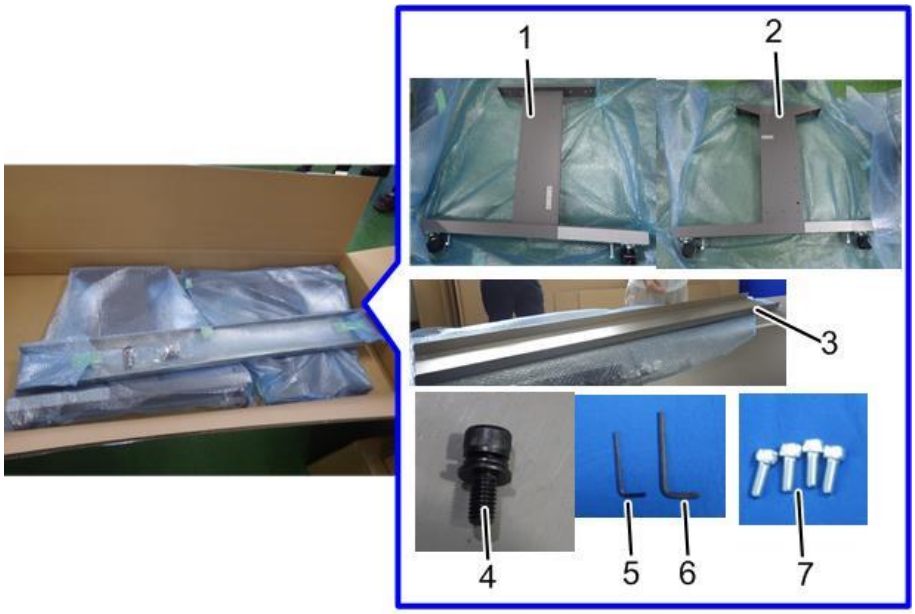
No.	Description	Q'ty	
		L5130	L5160
10	Ink Replacement Jigs	8	8
11	PLATE:POWER SUPPLY CORD:INLET	2	2
12	POWER SUPPLY CODE:250V:15A:DOM	2	2

Media Bench/Paper Feed Support Stay [F]



No.	Description	Q'ty	
		L5130	L5160
1	Maintenance Kit	1	1
2	Waste Ink Bottle Holder	1	1
3	Media Bench (Left)	1	1
4	Media Bench (Right)	1	1
5	Waste Ink Bottle	1	1
6	Lever	1	1
7	Cure Heater Side Plate (Right)	1	1
8	Cure Heater Side Plate (Left)	1	1
9	Temporary Placing Table	2	2

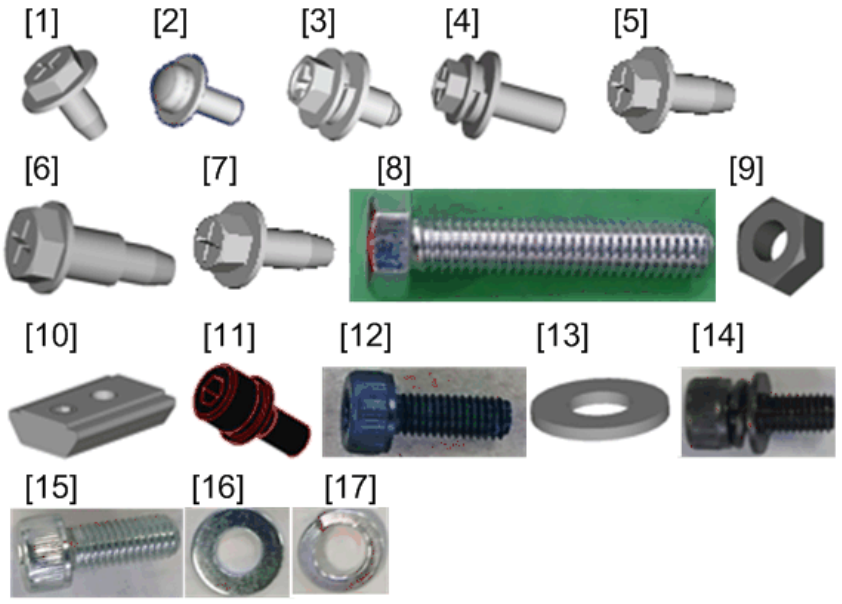
Printer Stand [G]



m0bxa2208

No.	Description	Q'ty	
		L5130	L5160
1	Frame (Left)	1	1
2	Frame (Right)	1	1
3	Stay:130	2	0
	Stay:160	0	2
4	HEXAGON SOCKET HEAD CAP BOLT:SW-W:M5X12	16	16
5	Allen Wrench:4	1	1
6	Allen Wrench:6	1	1
7	Hexagon Socket Head Cap Bolt:M8X20	4	4
-	SPRING WASHER:DIA8	4	4
-	WASHER DIA8	4	4
-	ALLEN KEY: 2.5	1	1
-	ALLEN KEY: 3	1	1

Screws Set



m0bxa2307

No.	Name	Part Number	Q'ty	Use
1	TAPPING SCREW:ROUND POINT:3X6	04543006	32	Main machine operation panel [2] Post-heater bracket [8] Cure heater cover [12] Media holding lever [2] Roll/Roll core holder harness [8]
2	SCREW:POLISHED ROUND:M4X8	09514008	8	Paper feed caster unit [8]
3	SCREW:SPRING WASHER:ROUND POINT:M4X10	G8327900	4	Stay of the drawer lever of roll feed unit [4]
4	HEXAGONAL BOLT:DOUBLE SCREW:M4X12	08010237	30	Paper feed support plate [24] Waste ink bottle bracket [6]
5	TAPPING SCREW - M4X8	04544008	14	Post heater [2] Cure heater [4] Right bottom cover [4] Left bottom cover [4]
6	SCREW:M3:DIA4X5.6	AA143542	2	Fixing the left side lower cover [1] Fixing the right side lower cover [1]
7	TAPPING SCREW:ROUND POINT:4X10	04544010	1	Fixing the left side lower

2.Installation

No.	Name	Part Number	Q'ty	Use
				cover [1]
8	HEXAGONAL BOLT:M8X40	05880400	8	Attaching the Grip [8]
9	HEXAGONAL NUT:M8	07100080N	8	Attaching the Grip [8]
10	Nut Lock M4	MBY2614	4	Roll feed stay [2] Roll-up stay [2]
11	HEXAGON SOCKET HEAD CAP BOLT:SW-W:M4X8:BLACK	M1384949	4	Attaching roll-up stay bracket [4]
12	BOLT - M3X8	05930080	8	Fixing roll-up stay to the stand [8]
13	WASHER DIA3	07010030	8	Fixing roll-up stay to the stand [8]
14	Hex Bolt SW-W:M5X12	M4482966	16	Attaching the stand stay [16]
15	Hex Bolt M8X20	M0BY1173	4	Fixing the main machine and the printer stand [4]
16	Washer dia8	07010080N	4	Fixing the main machine and the printer stand [4]
17	Spring washer dia8	07030080N	4	Fixing the main machine and the printer stand [4]

Transport and carrying

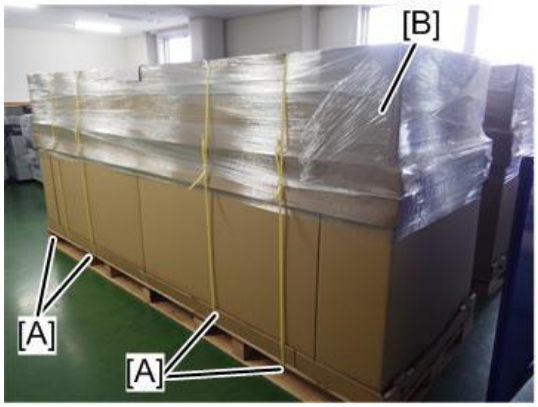
1. When transporting the machine, insert the forks of the hand forklift [A] into the pallet and move it to the place for unpacking.



m0bxa2010

Unpacking the Main Unit

1. Cut the tapes [A] and remove the packing materials [B].



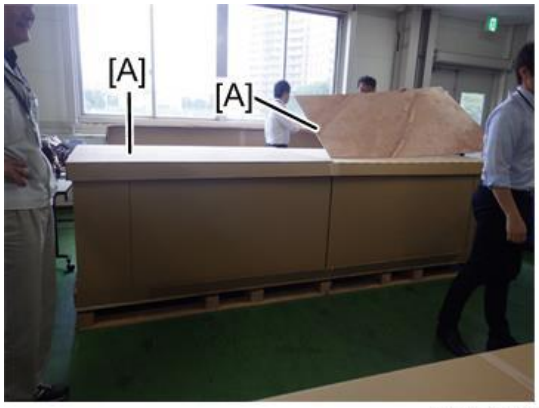
m0bxa2011

2. Lay the upper side cardboard box [A] that accessories are in on the floor.



m0bxa2013

3. Remove the thin wooden board [A].



m0bxa2014

4. Remove the cardboard [A] and the side cardboard [B].

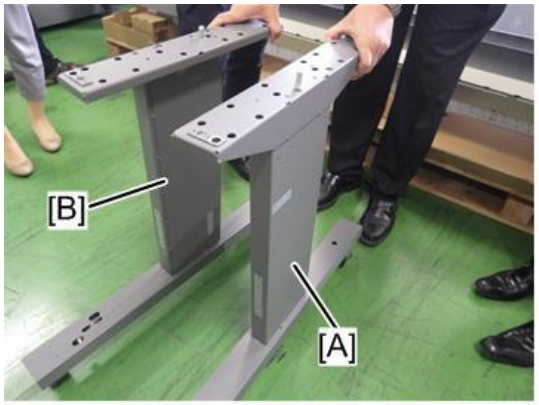


m0bxa2015

Installing the Printer Stand

Assembling the Printer Stand

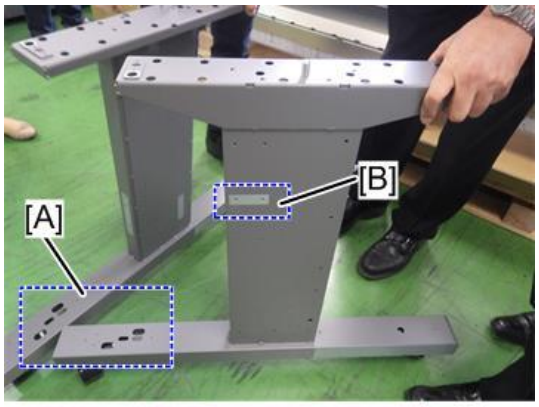
1. Stand the frames [A] and [B].



m0bxa2019

Note

Stand the two frames with the metal plates [B] facing outward in a state where one sides [A] of the stays, which have multiple screw holes, are located on the machine front side.



m0bxa2020

2. Attach the screws with washers to the holes of the rear side of the frame.

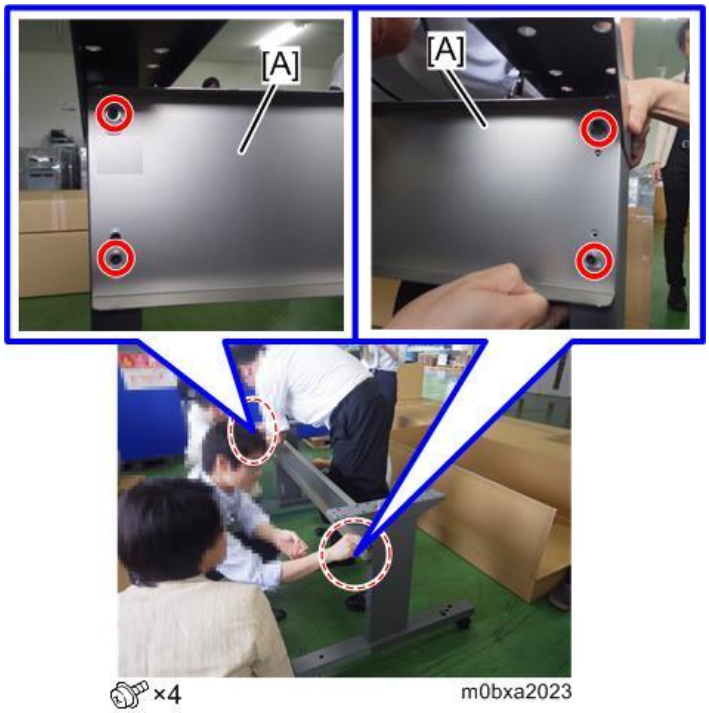


3. Hook the stay [A] to the screws with washers attached to on the frame in step 3.

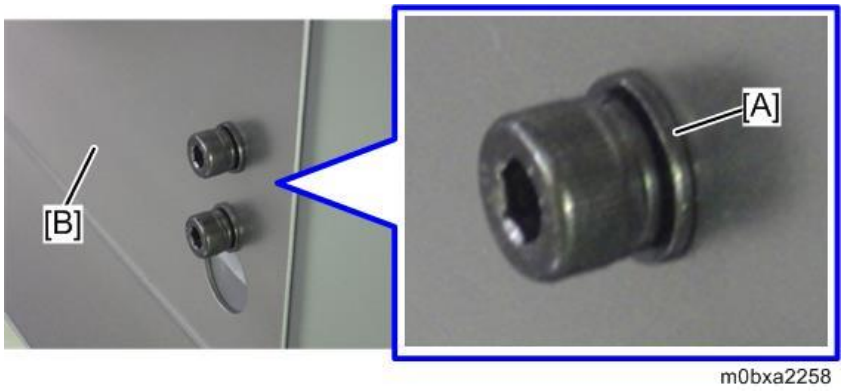
4. Temporarily tighten the screws to fix the stay.

Note

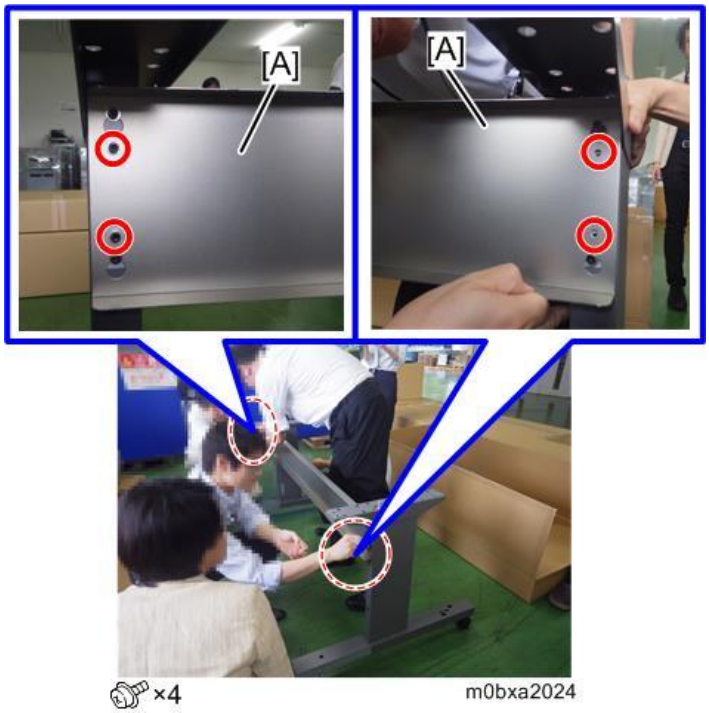
Check if the hung stay [A] is distorted or deformed, and then tighten the left and right screws evenly to fix the stay.



When attaching the stay [B], the washer [A] is located outside of the stay.



5. Temporarily fix the both sides of the stay [A]. (Hexagon Socket Head Cap Bolt:M8X20)

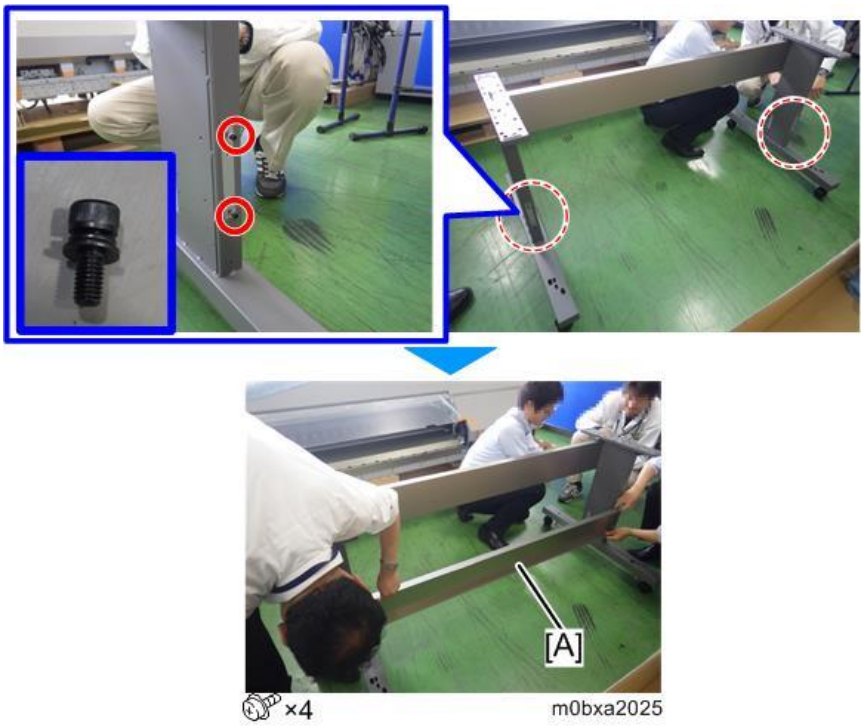


6. Similarly attach the screws with washers to the front side of the frame, and hook the stay [A] to the screws with washers.

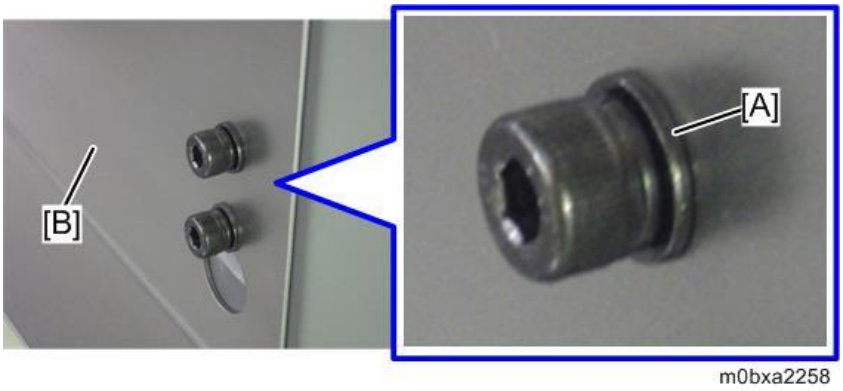
7. Temporarily tighten the screws to fix the stay.

Note

Check if the hung stay [A] is distorted or deformed, and then tighten the left and right screws evenly to fix the stay.



When attaching the stay [B], the washer [A] is located outside of the stay.

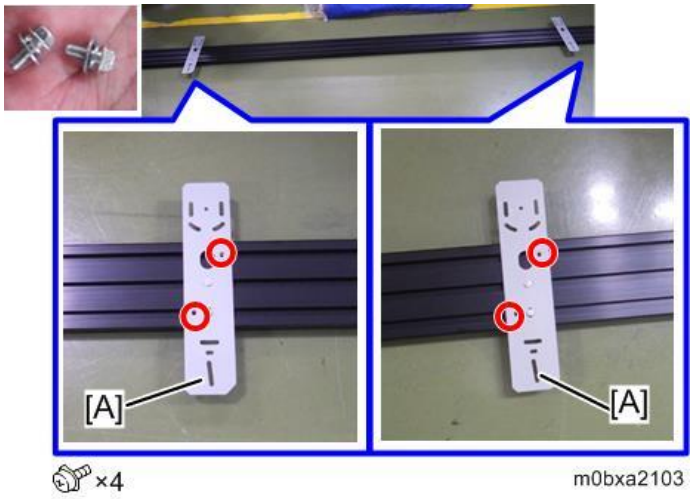


8. Temporarily fix the both sides of the stay.



9. Attach the brackets [A] to the both sides of the roll-up unit stay that is not equipped with the handle

to draw. (Hexagon Socket Head Cap Bolt:M4X8)

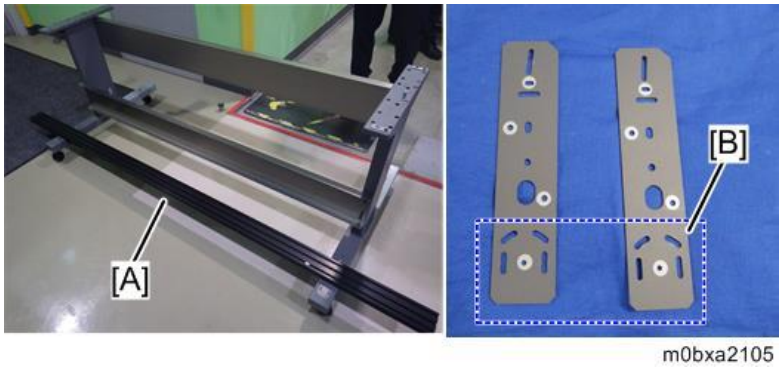


Note

When attaching the brackets, make sure that the left and right brackets are the same direction.

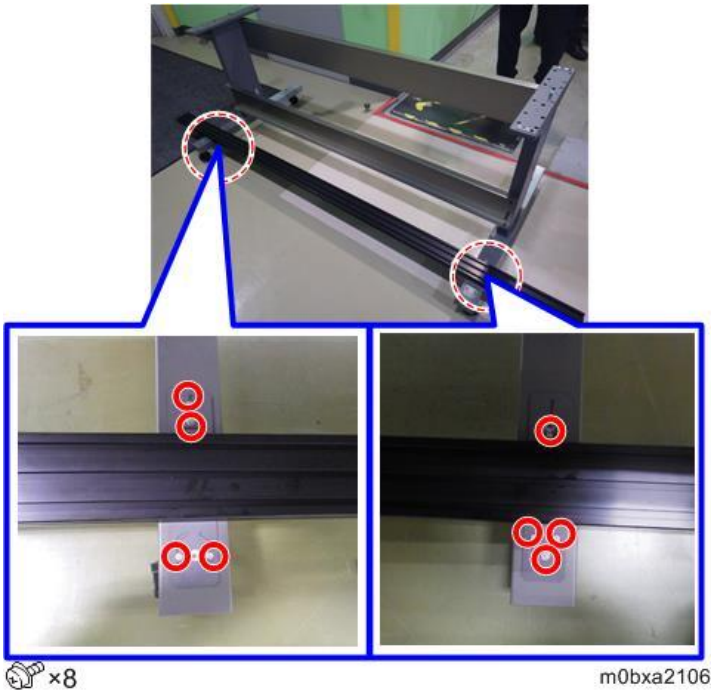


10. Turn the stay [A] upside down, and then place the stay on the printer stand so that the sides [B] of the brackets are positioned on the front side of the machine.



11. Fix the brackets on the printer stand. Combine the hexagon socket head cap bolt (M3X8) with the

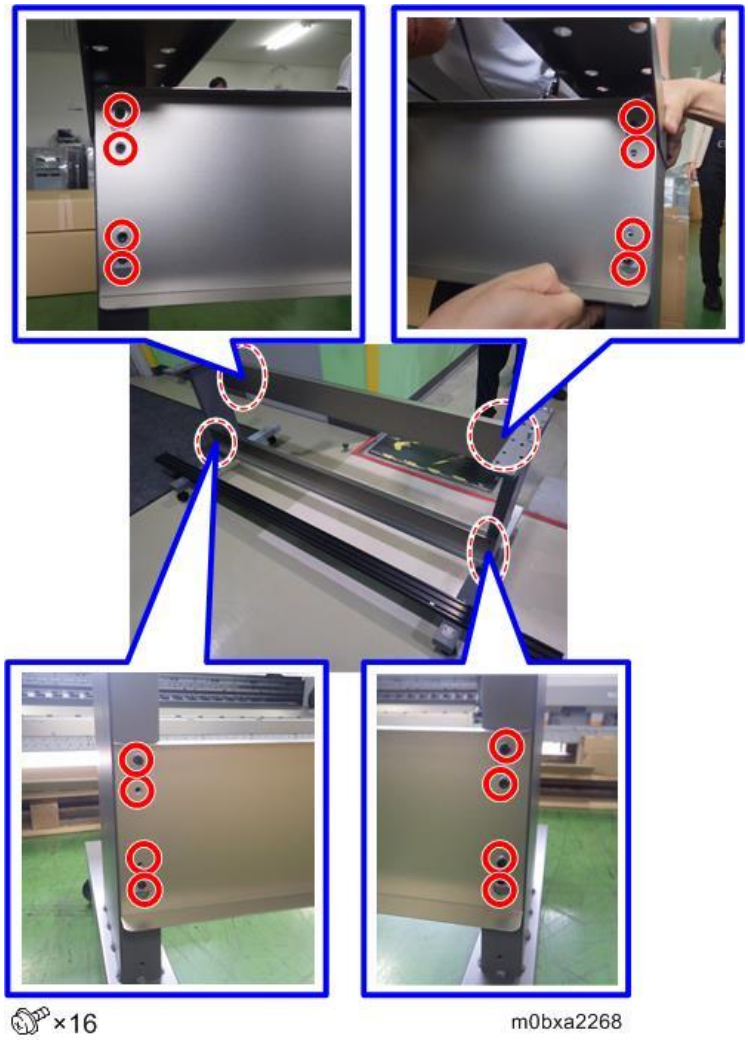
washer dia3, and then use them to fix the brackets.



Note

- You must attach the washer dia3.

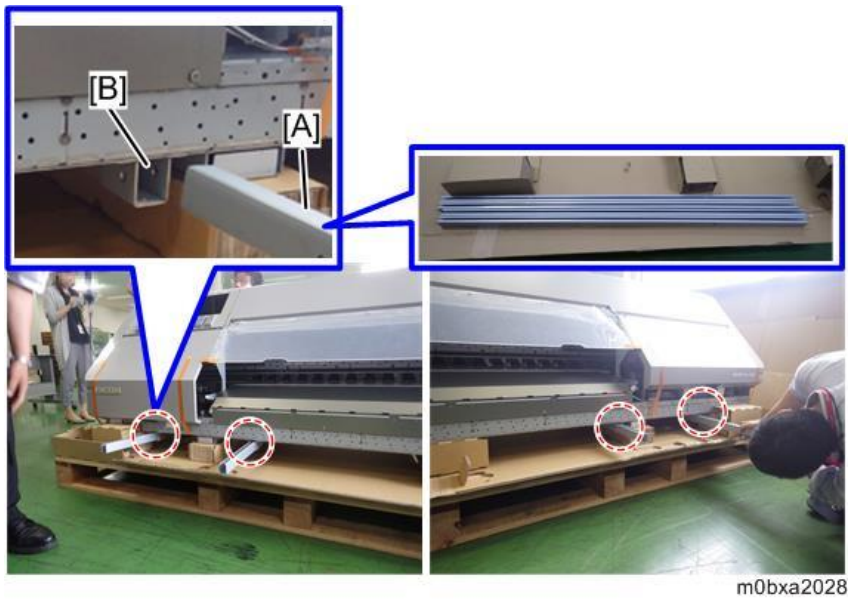
12. Tighten the screws that are temporarily fixed in each position.



Connecting Printer Stand with the Main Unit by Using Grips or a Forklift

Manual Assembly

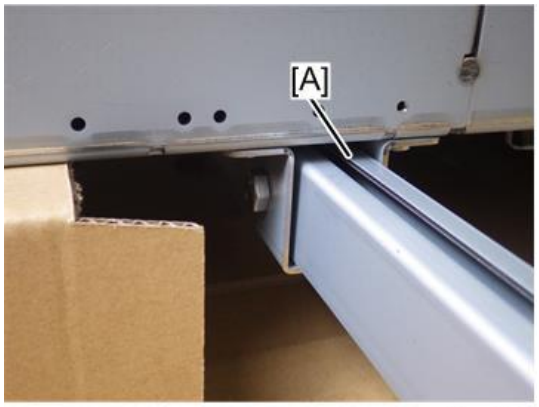
1. Insert the four stays [A] into the bracket [B] of the lower side of the main unit.



m0bxa2028

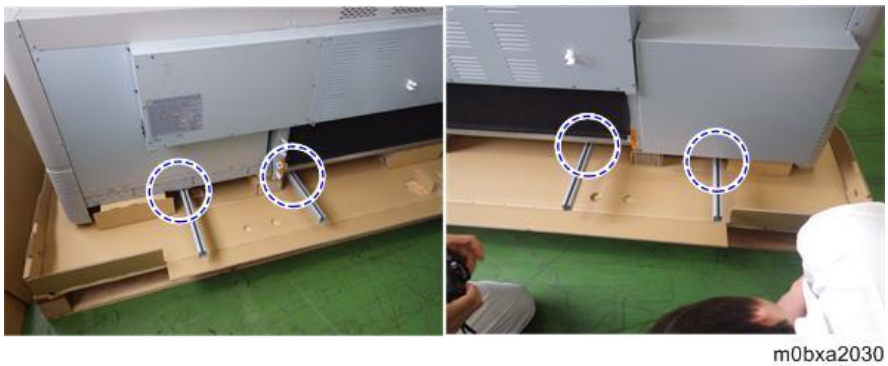
Note

Make sure that the groove [A] of the stay is upward.



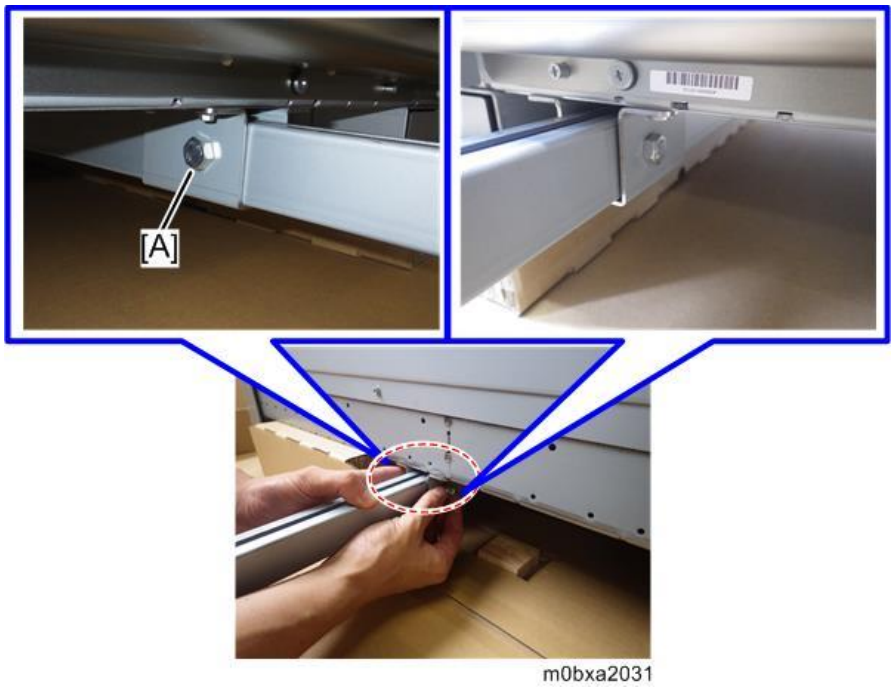
m0bxa2029

2. Confirm that the stays appear from the rear side of the machine.



m0bxa2030

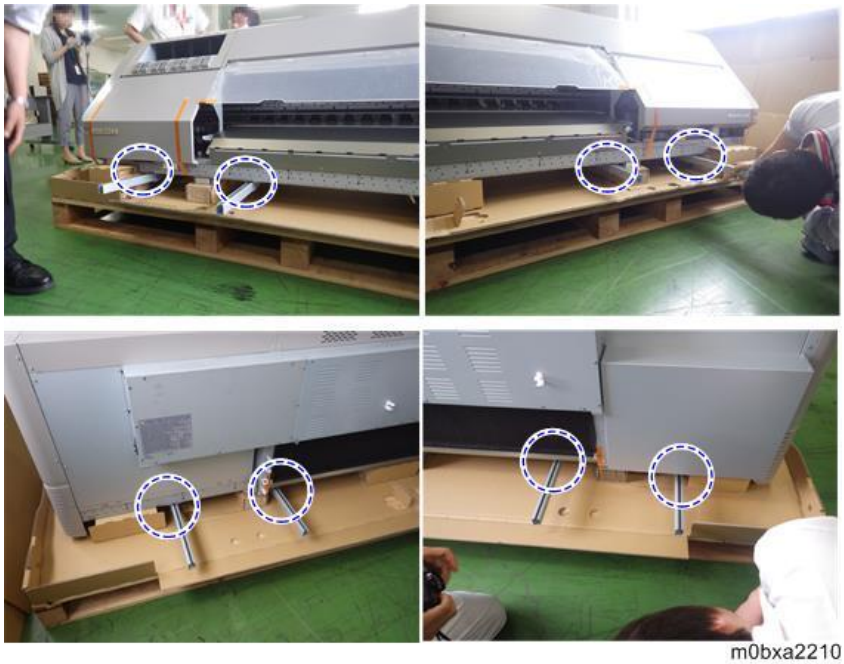
3. Fix the inserted stay with bolt and nut [A]. (HEXAGONAL BOLT:M8X40) (HEXAGONAL NUT:M8)



m0bxa2031

Note

Fix all the eight points with bolts and nuts.



m0bxa2210

4. Hold the stays [A] of the main unit [B] and lift it by seven people, and then pull the pallet [C] away.

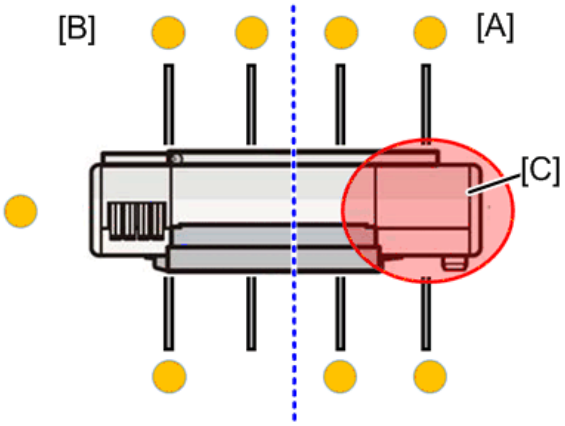


m0bxa2032

Important

Four people hold the right side [A] and three people hold the left side [B].

The main machine is heavy because it includes the carriage unit and the maintenance unit.

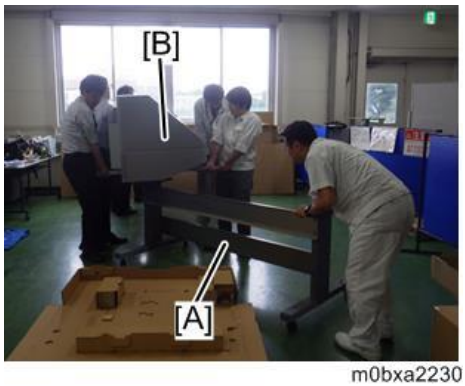


m0bxa2272

Note

When pulling the pallet away, be careful not to strike it on person legs.

5. Place the printer stand [A] under the main unit [B].

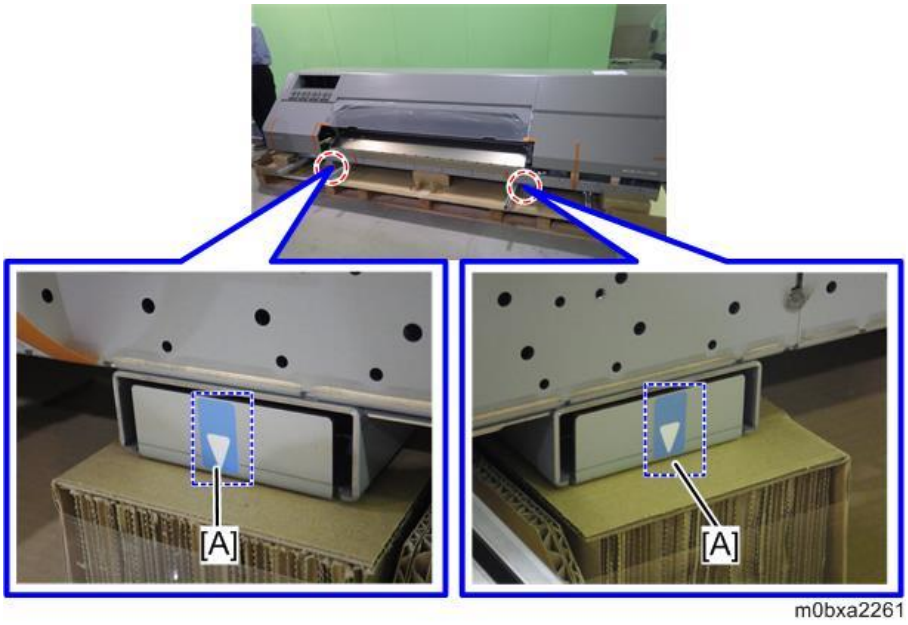


m0bxa2230

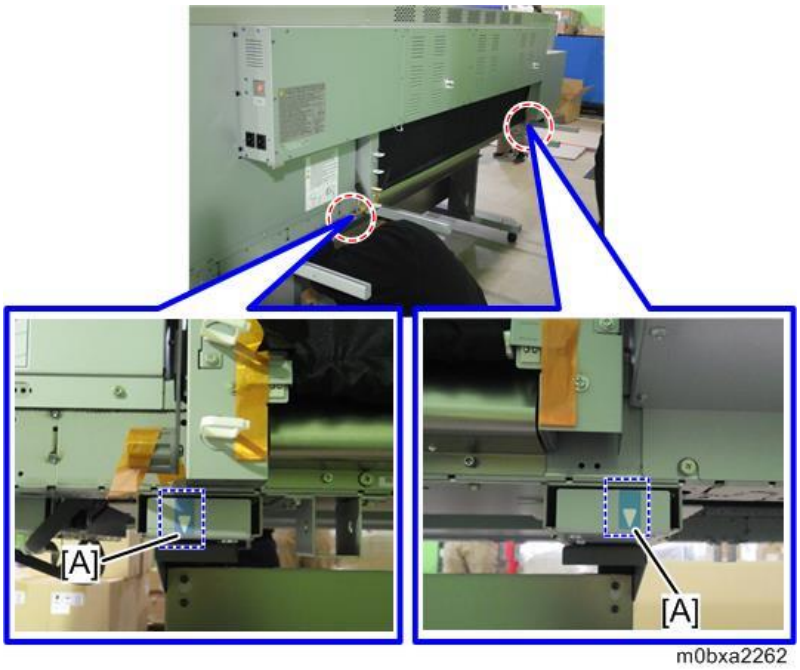
Note

- The marks [A] of the lower side of the main machine show the position of the positioning pin for the printer stand.

  Front side

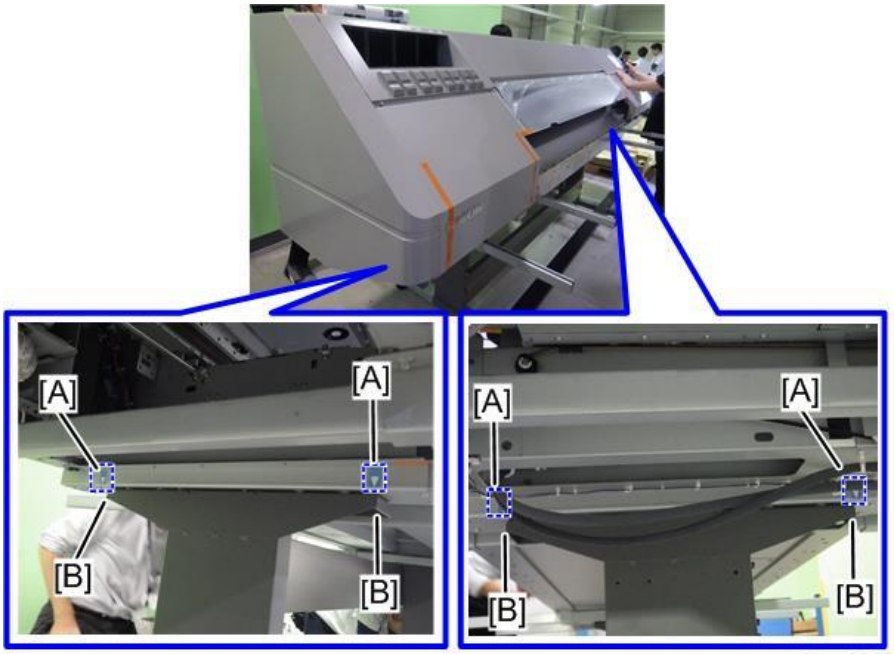


- **Rear side**



- When connecting the printer stand to the main machine, align the marks [A] at the bottom

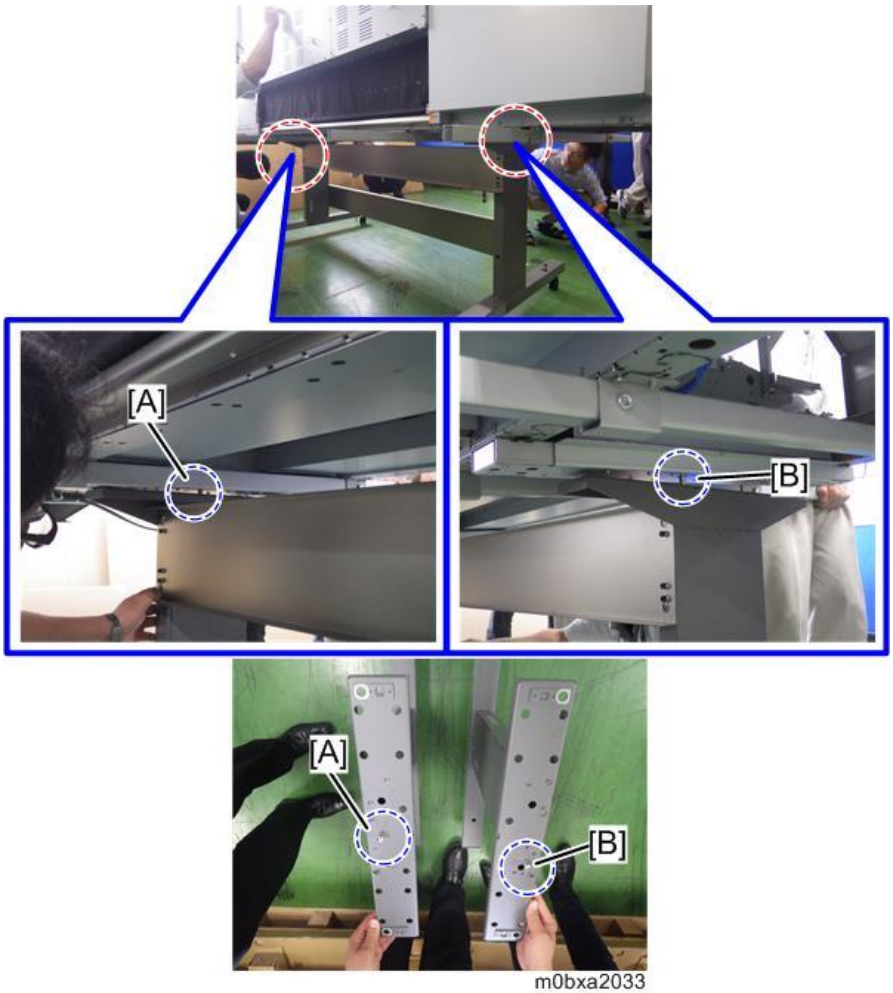
of the main machine with the both edges [B] of the printer stand.



m0bxa2267

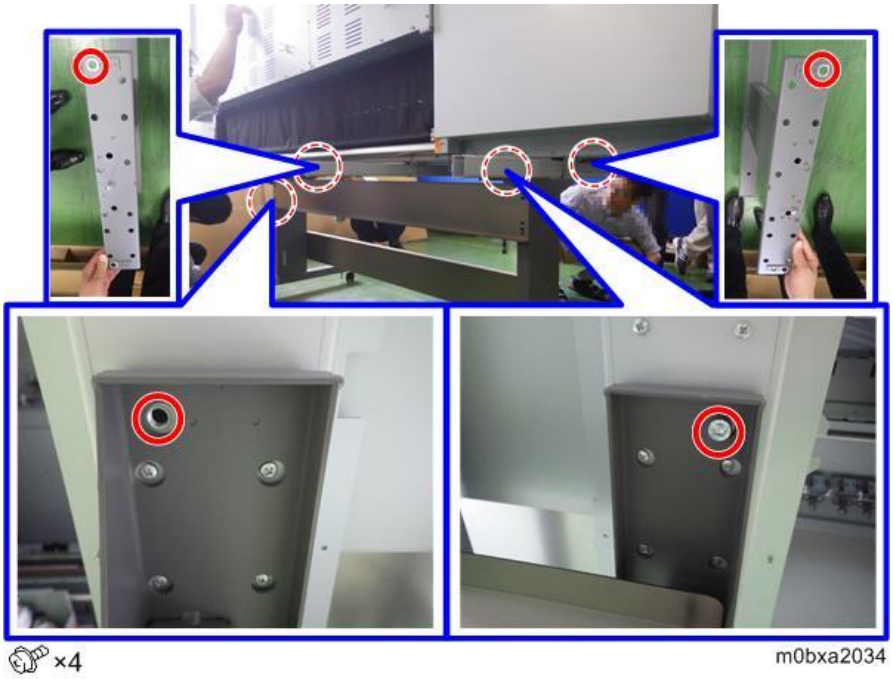
- The long hole is at the left side of the bottom side of the main machine.

6. Insert the positioning pins [A] and [B] of the printer stand into the holes of the bottom side of the main unit.



m0bxa2033

7. Fix the main unit and the printer stand with the screws with washers. (M8X20) (SPRING WASHER:DIA8) (WASHER DIA8)



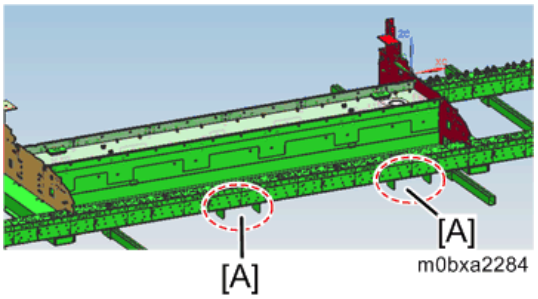
8. Remove the bolts and the nuts, and the four stays from the main machine.

Note

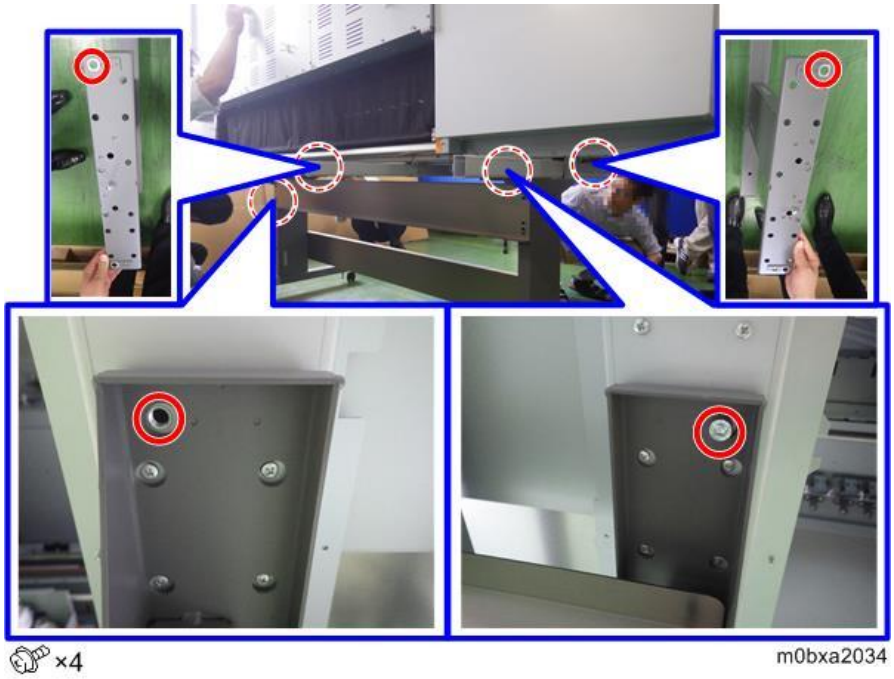
Ask the customer to store the stays used for connection between the main machine and the printer stand, for use when the machine needs to be transported.

Forklift Assembly

1. Lift the main machine by inserting the forks of the forklift into the brackets [A], and then lay it on the printer stand.

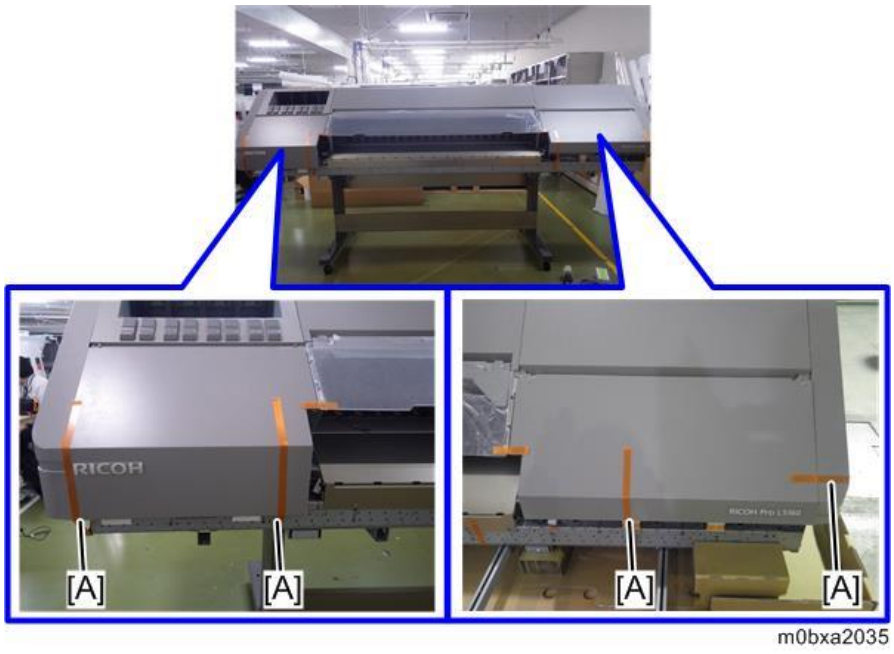


2. Fix the main machine and the printer stand with the screws with washers.

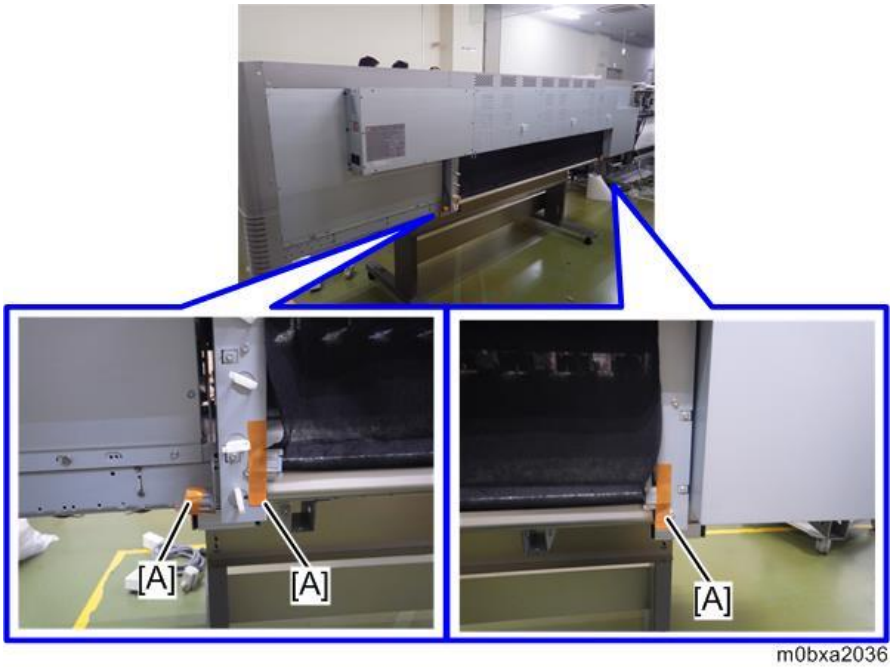


Removing Exterior Orange Tapes

1. Remove the orange tapes [A] from the front side of the main unit.



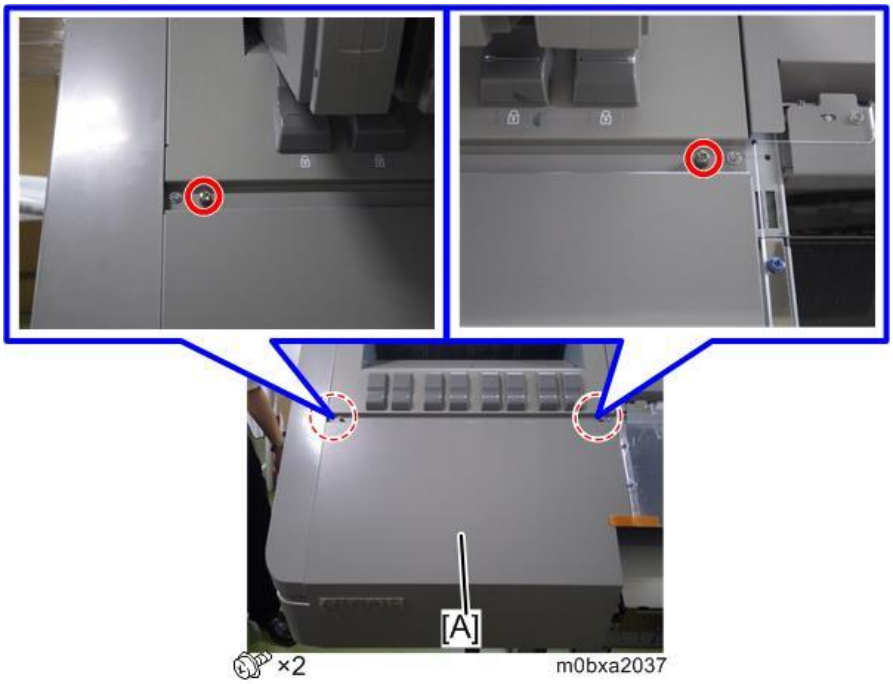
2. Remove the orange tapes [A] from the rear side of the main unit.



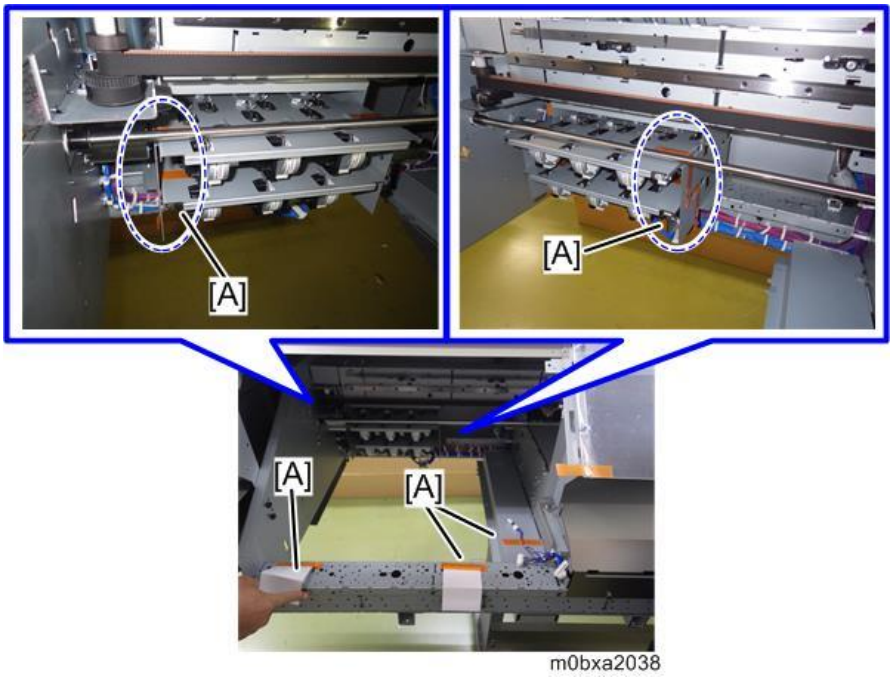
Installation for the Left Side of the Main Unit

Removing the Left Front Cover

1. Remove the left front cover [A].

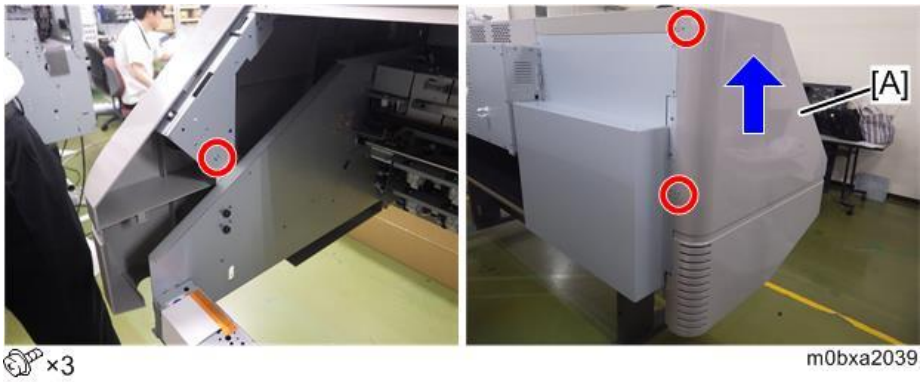


2. Remove the orange tapes [A] from the main unit.



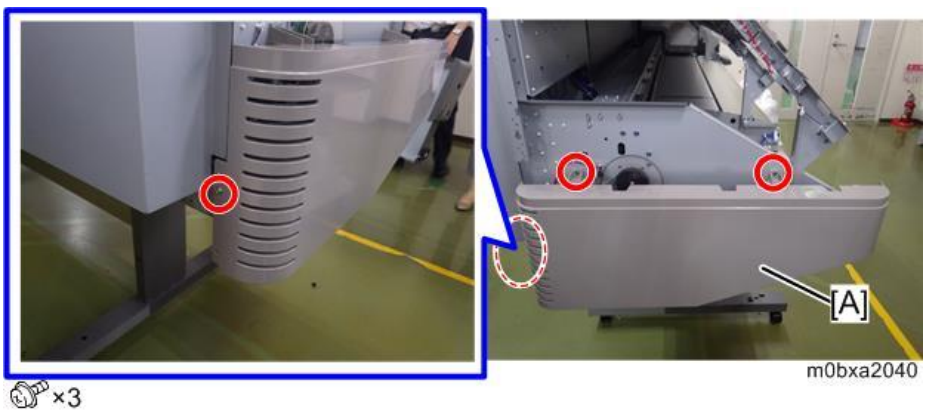
Removing the Left Side Upper Cover

1. Remove the left side upper cover [A].



Removing the Left Side Lower Cover

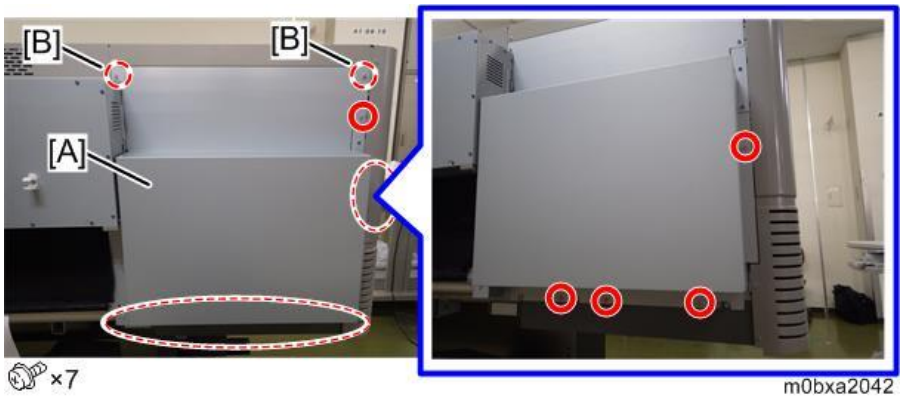
1. Remove the left side lower cover [A].



Removing the Rear Left Cover

1. Remove the rear left cover [A].

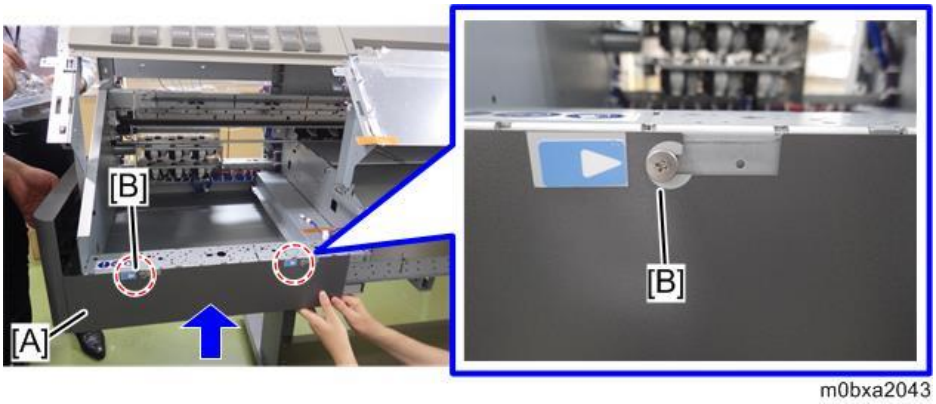
When removing the rear left cover, loosen the screws [B].



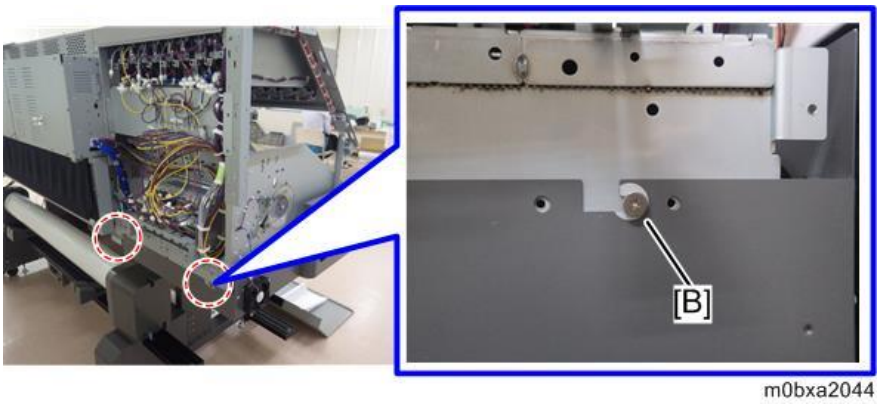
Installing the Left Bottom Cover

1. Attach the left bottom cover [A] from the lower side, and then hook the cutouts onto the stepped screws [B] of the main unit.

- Front side

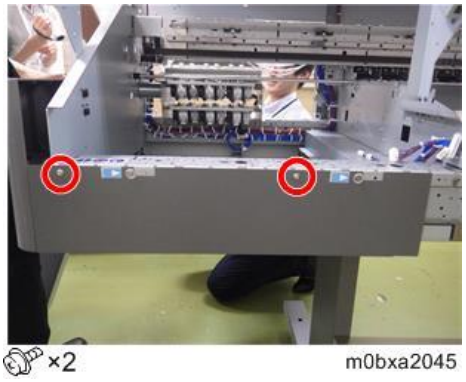


- Rear side

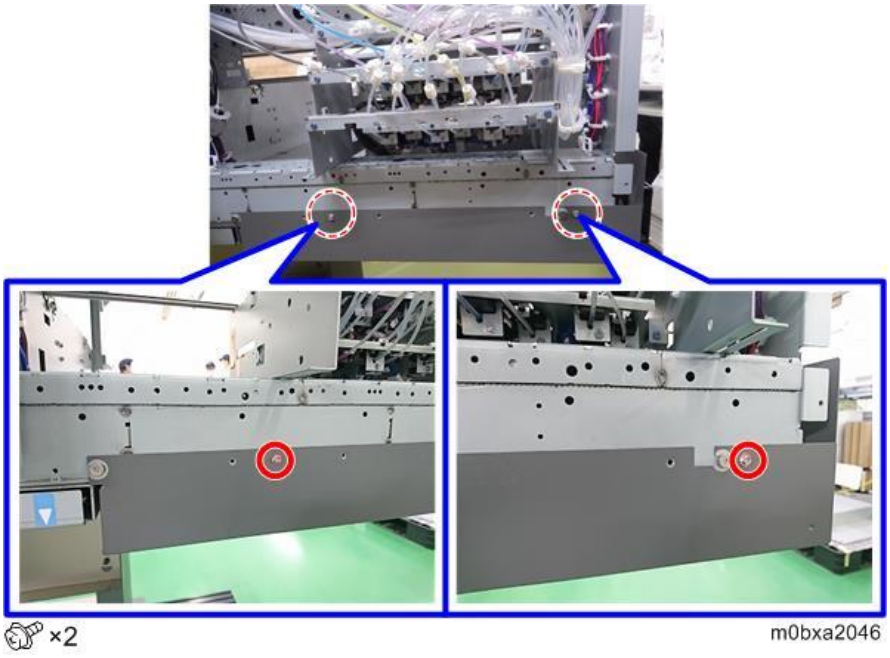


2. Fix the left bottom cover. (TAPPING SCREW:4X8)

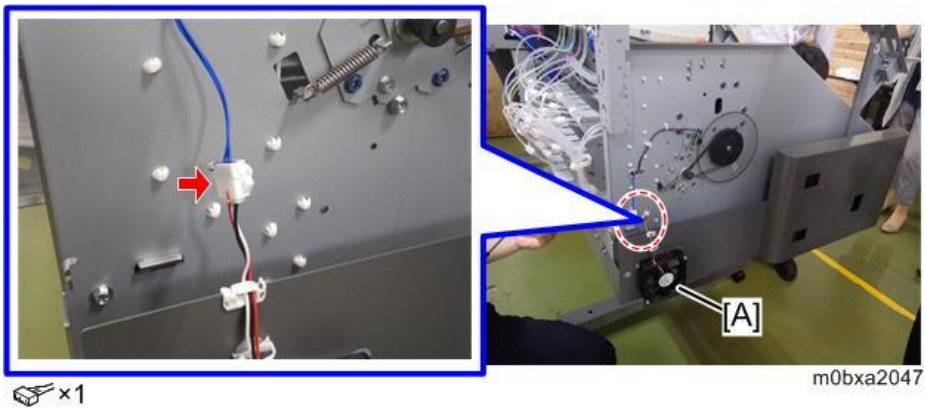
- Front side



- Rear side



3. Connect the connector of the internal ventilation fan [A].

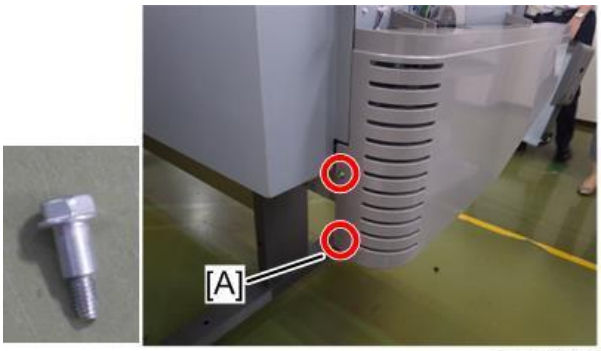


4. Reattach the removed covers.

If your customer uses the machine in the state of 4CW (C, M, Y, K, W), which is ink components type, reattach only the left side lower cover. (Do not reattach the left front cover, the left side upper cover, the rear left cover)

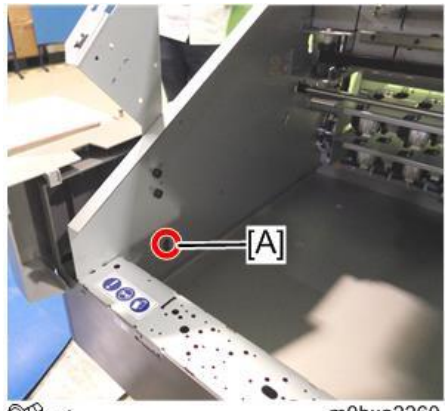
Note

When installing the left side lower cover, use the stepped screw provided with the main machine to retain the position [A]. (SCREW:M3:DIA4X5.6)



m0bxa2041

When attaching the left side lower cover, fix the position [A] with the screw. (TAPPING SCREW:ROUND POINT:4X10)



m0bxa2260

Installation for the Right Side of the Main Unit

Removing the Right Side Upper Cover

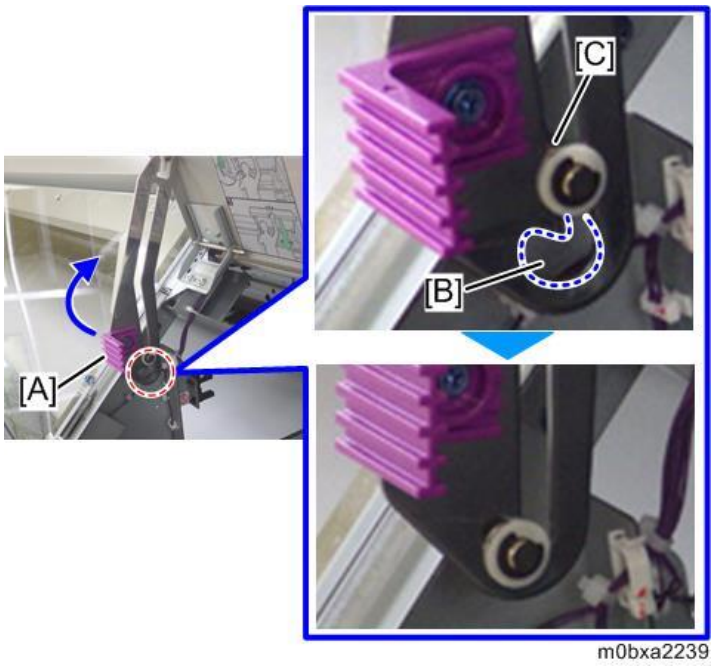
1. Open the right front cover [A].



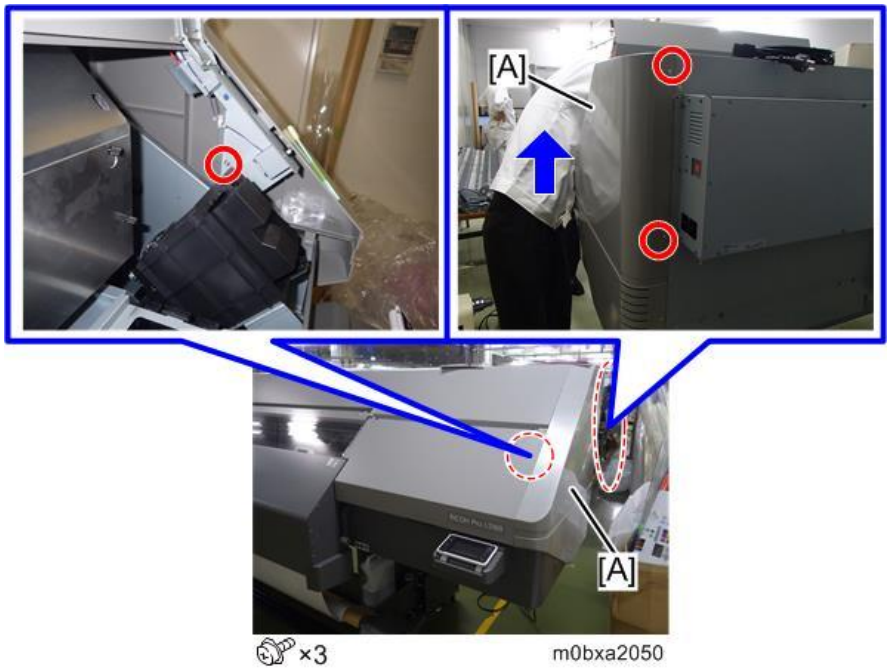
m0bxa2048

Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.

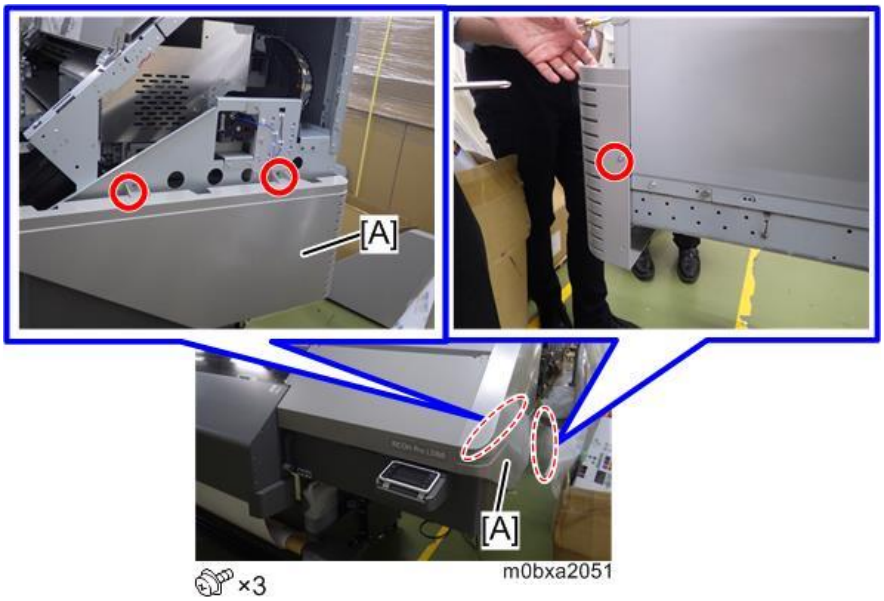


2. Remove the right side upper cover [A].



Removing the Right Side Lower Cover

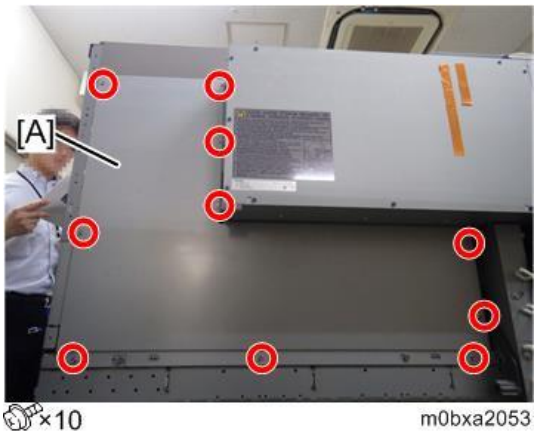
1. Remove the right side lower cover [A].



Removing the Rear Right Cover

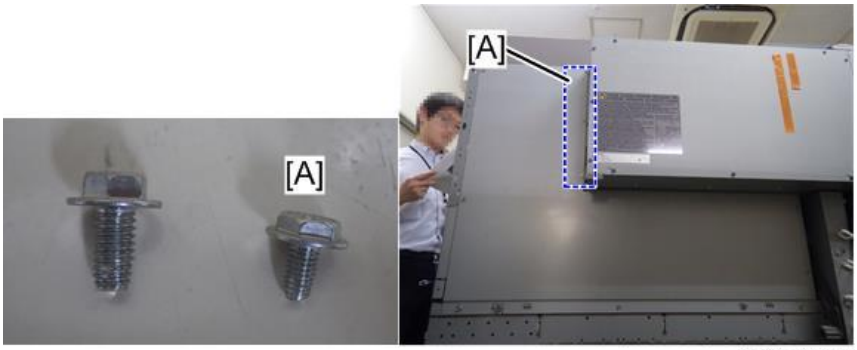
1. Remove the rear right cover [A].

- Pro L5160



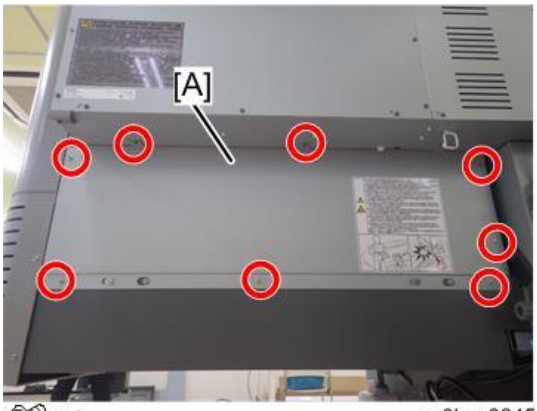
Note

The screw used for the position [A] is different from other nine screws. When installing the rear right cover, make sure to use the correct screw for the position [A].



m0bxa2054

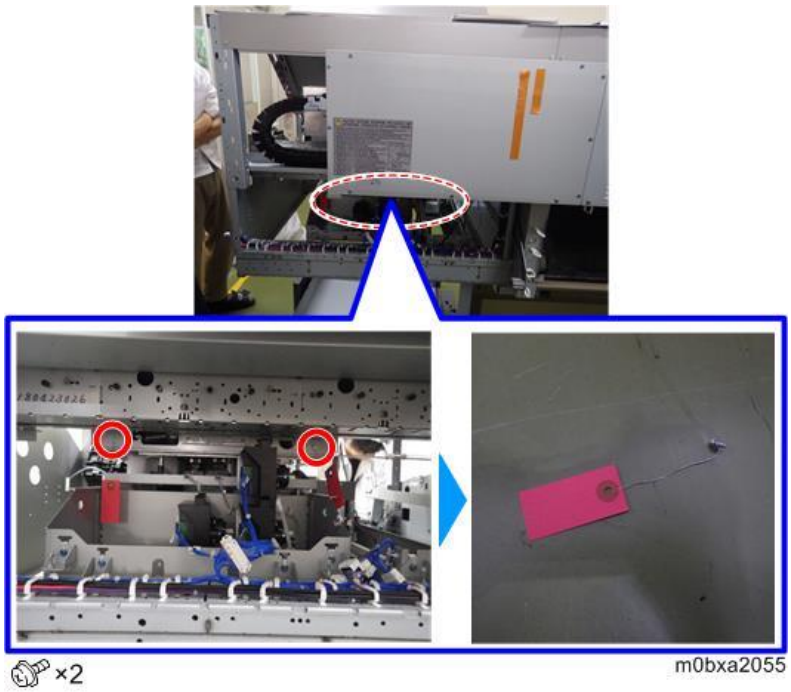
- Pro L5130



×8 m0bxa2245

Removing the Supporting Screws from the Carriage Unit

1. Removing the supporting screws with the red tags from the carriage unit.


×2 m0bxa2055

Note

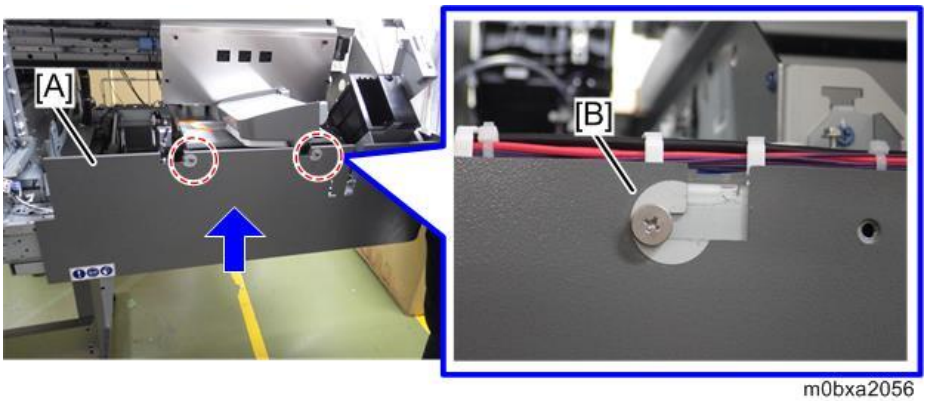
Ask the customer to store the supporting screws. These screws are used when the main machine

needs moving.

Installing the Right Bottom Cover

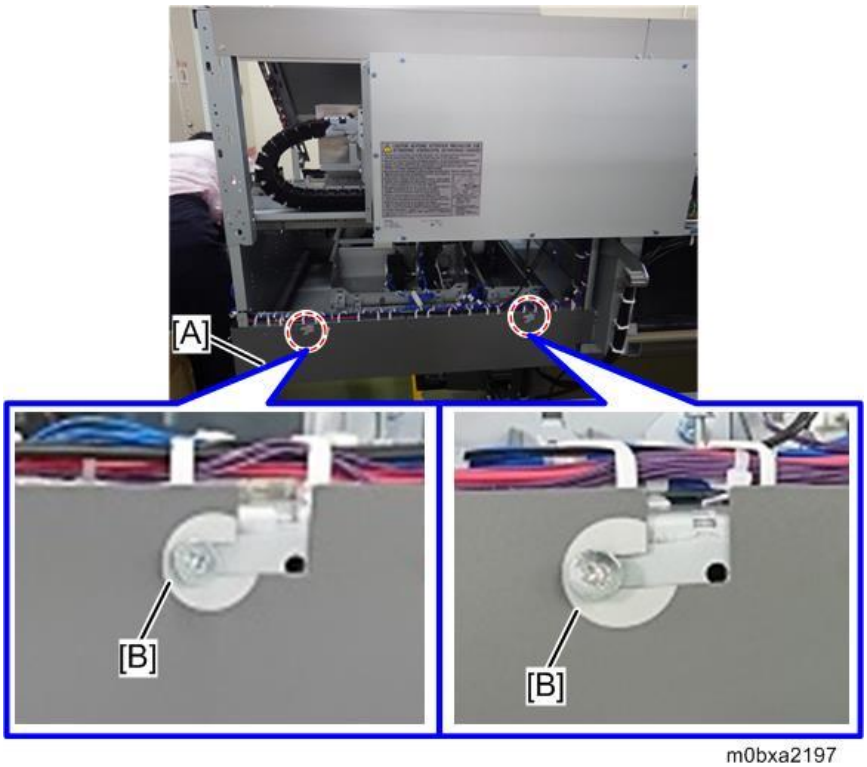
1. Attach the right bottom cover [A] from the lower side, and then hook the cutouts onto the stepped screws [B].

- Front side



m0bxa2056

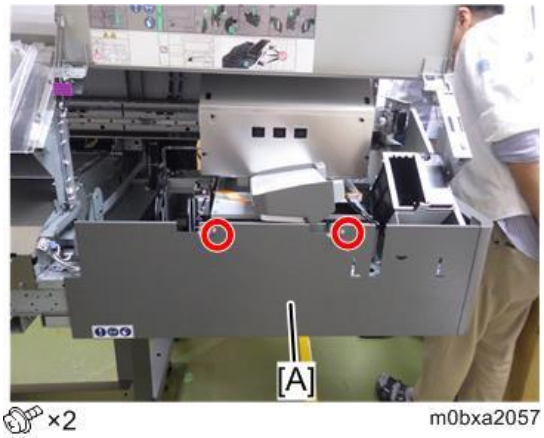
- Rear side



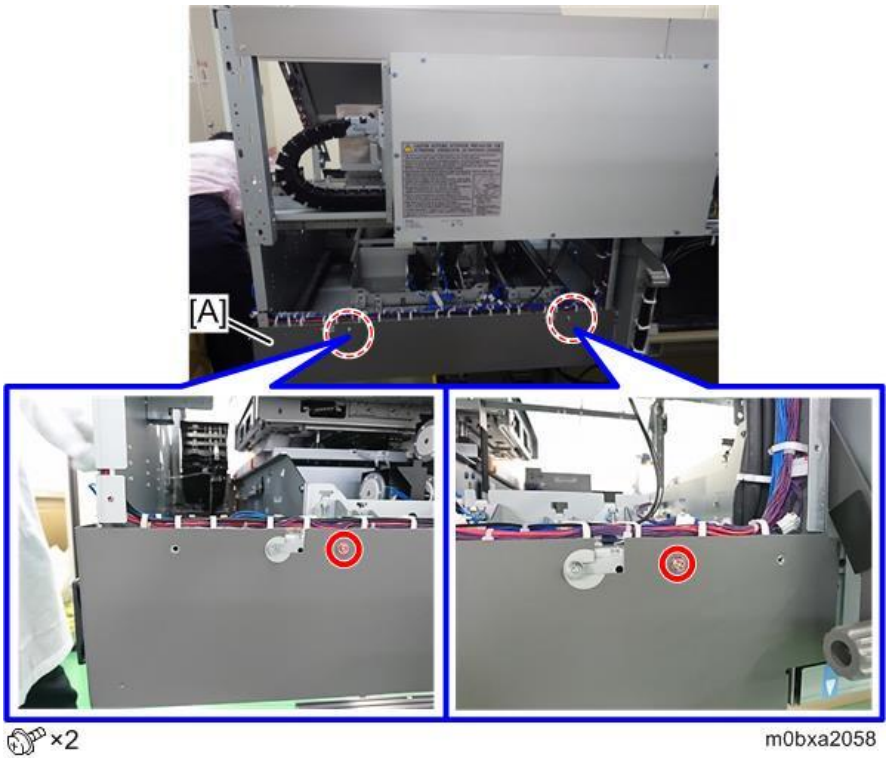
m0bxa2197

2. Fix the right bottom cover [A]. (TAPPING SCREW - M4X8)

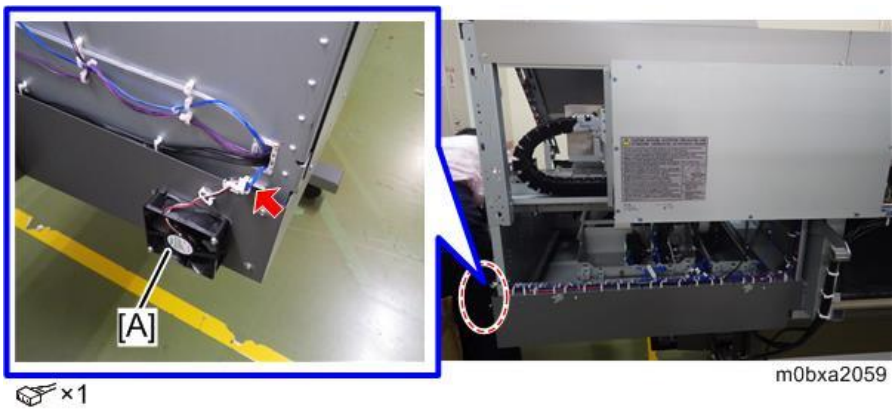
- Front side



- Rear side



3. Connect the connector of the internal ventilation fan [A].

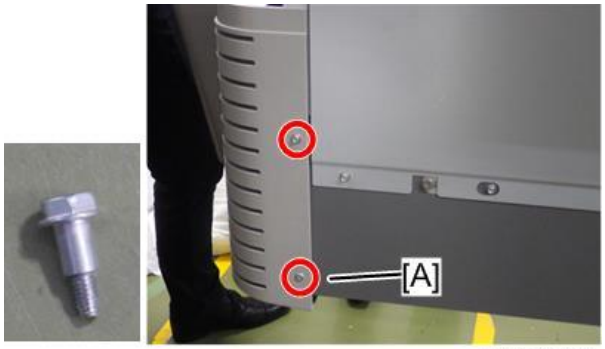


4. Reattach the removed covers.

If your customer uses the machine in the state of 4CW (C, M, Y, K, W), which is ink components type, reattach the right side lower cover, the rear right cover. (Do not reattach the right side upper cover)

Note

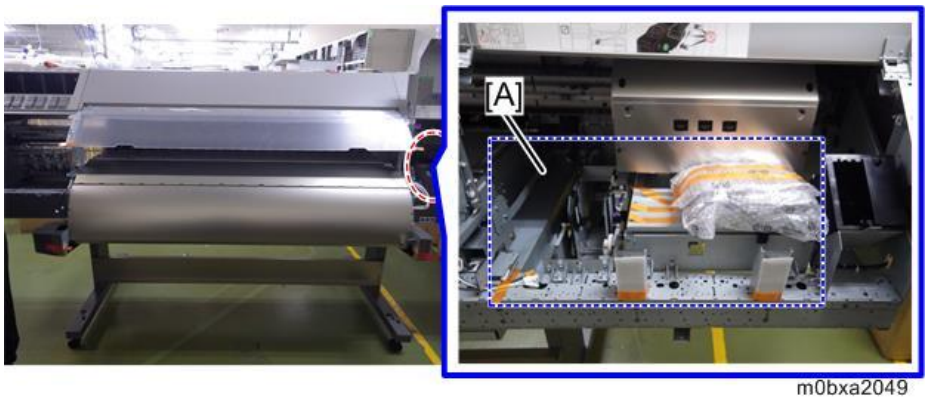
When installing the right side lower cover, use the stepped screw to retain the position [A]. (SCREW:M3:DIA4X5.6)



m0bxa2052

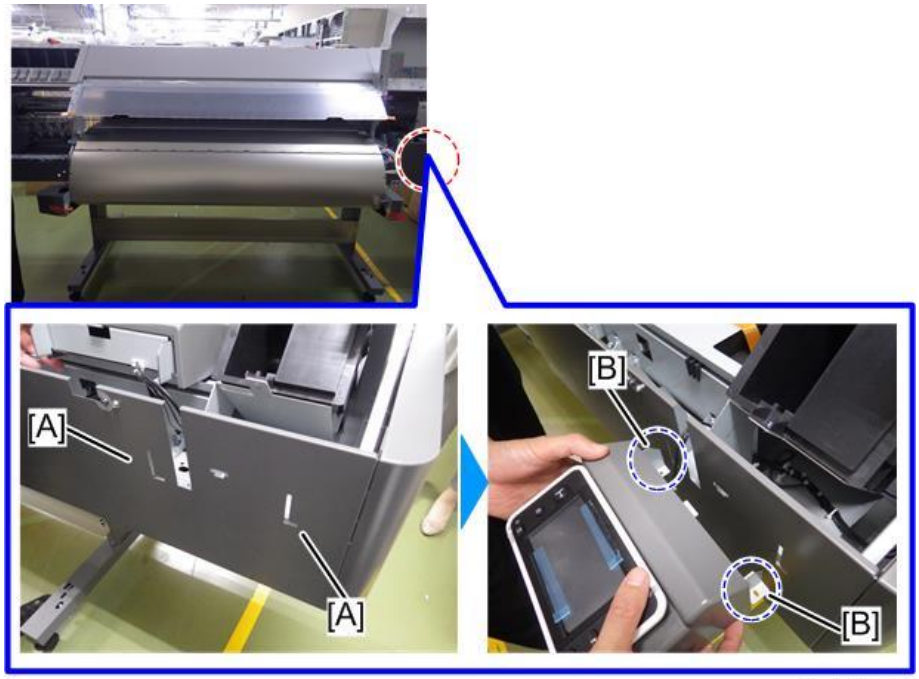
Installing the Operation Panel

1. Remove the orange tapes [A] from the right side of the main unit.



m0bxa2049

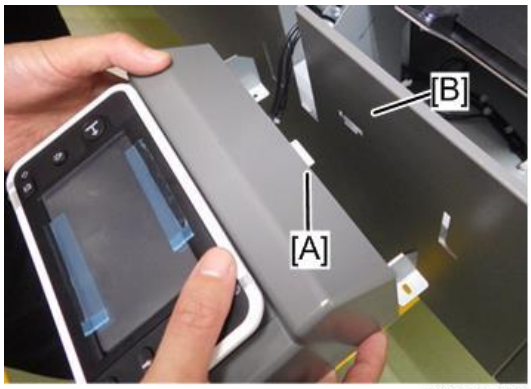
2. Hook the brackets [B] of the operation panel into the cutouts [A] of the main unit.



m0bxa2060

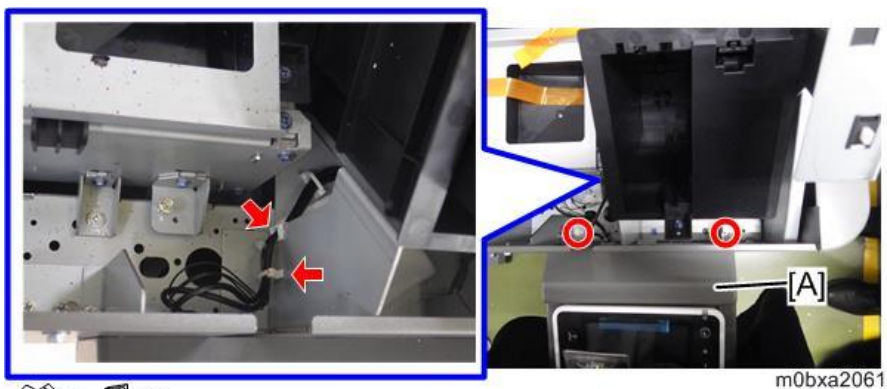
Note

The operation panel is retained by inserting the hook [A] at the center of the operation panel into the cutout [B] of the cover.



m0bxa2269

3. Fix the operation panel [A]. (TAPPING SCREW Round Point 3X6)

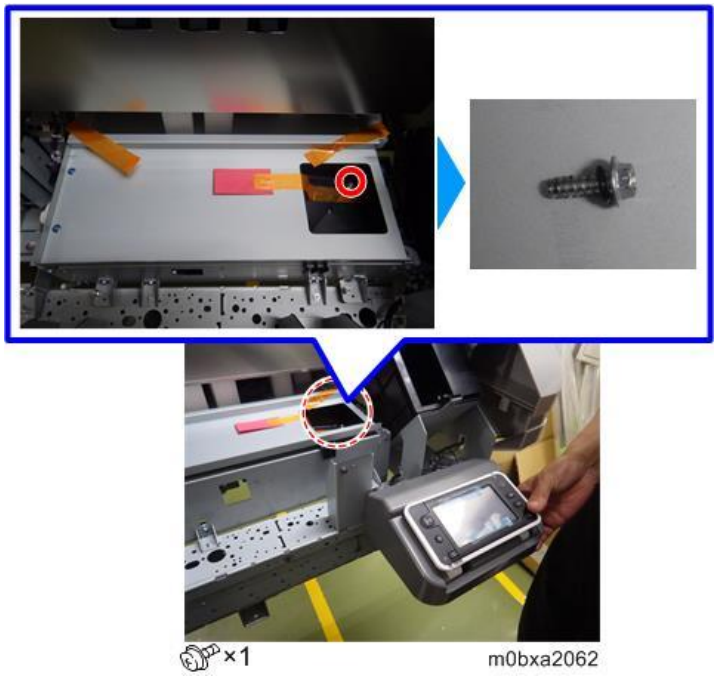


m0bxa2061

×2 ×2

Removing the Sealing Screw from the Ink Receiving Port

1. Remove the sealing screw with a red tag from the ink receiving port.

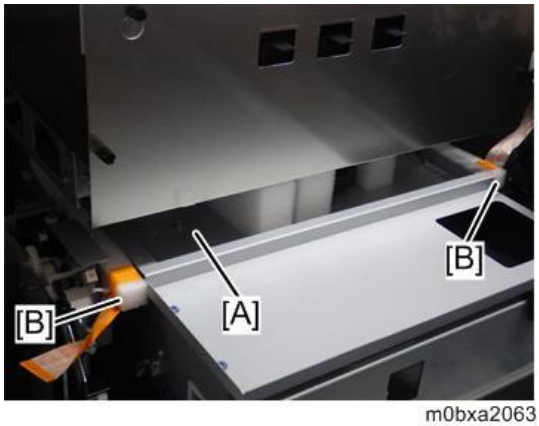


Removing the Supporting Sponge from the Carriage Unit

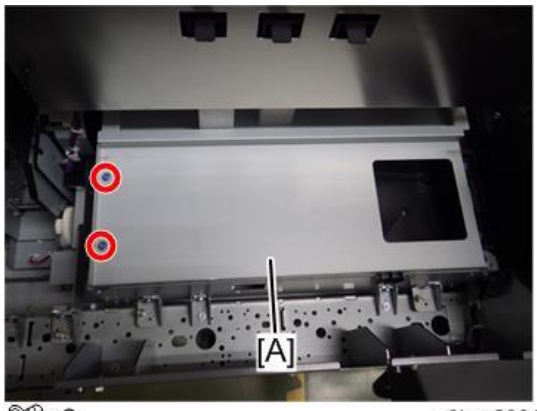
Note

Ask the customer to store the removed supporting sponges for use when the machine needs to be transported.

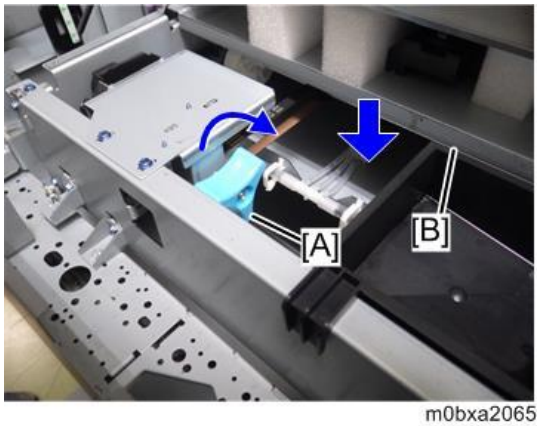
1. Remove the supporting sponges [B] from the both sides of the capping unit [A].



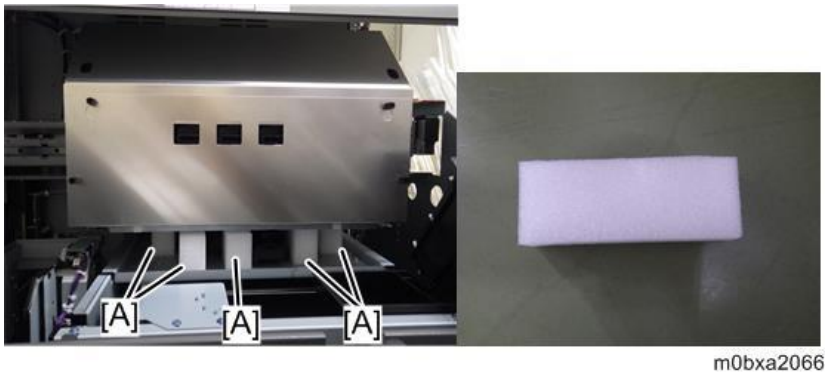
2. Remove the ink receiving port upper cover [A].



3. Rotate the handle [A] forward to lower the capping unit [B].



4. Remove the supporting sponges [A].



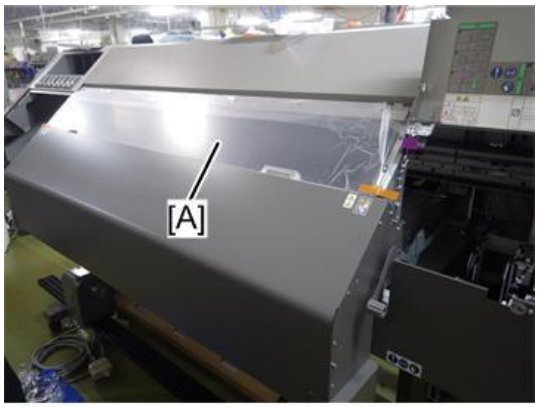
5. Turn the handle to raise the cap unit, and then cap the print heads.

Note

The link mechanism on the left side of the capping station is positioned at the highest position.

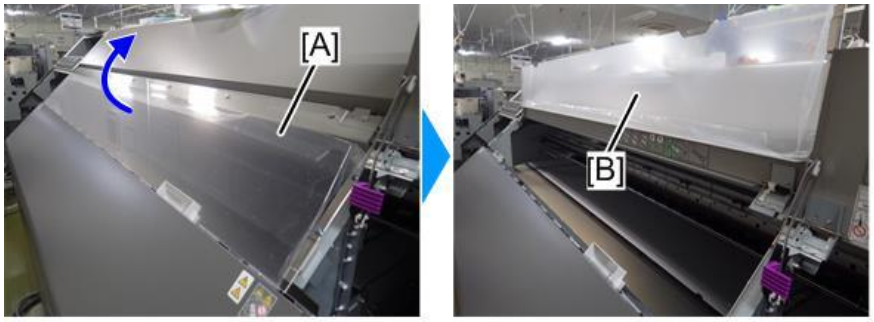
Removing the Protecting Seat of the Middle Cover

1. Peel the protecting seat of the middle cover [A] off the front side of the main unit.



m0bxa2067

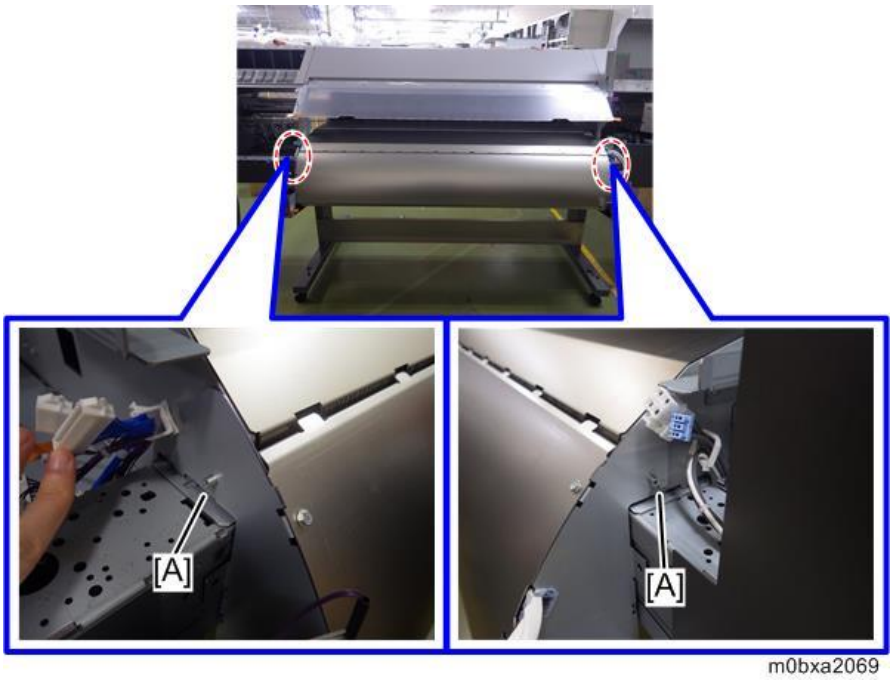
2. Open the middle cover [A], and then peel the protecting seat of the middle cover [B] off the inside of the middle cover.



m0bxa2068

Installing Post Guide Plate and Cutter Unit

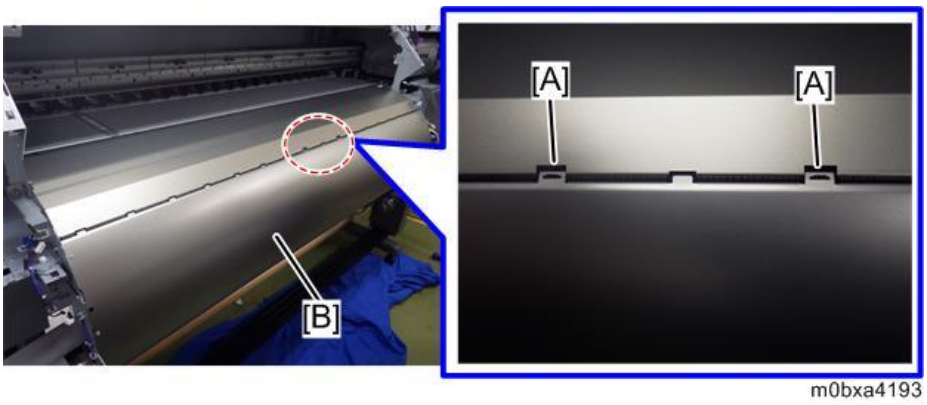
1. Hook the cutouts of the post guide plate and cutter unit onto the projections [A] of the main unit.



m0bxa2069

Note

Set the hooks [A] at the center of the post guide plate and cutter unit to attach the post guide plate and cutter unit [B] to the main unit.

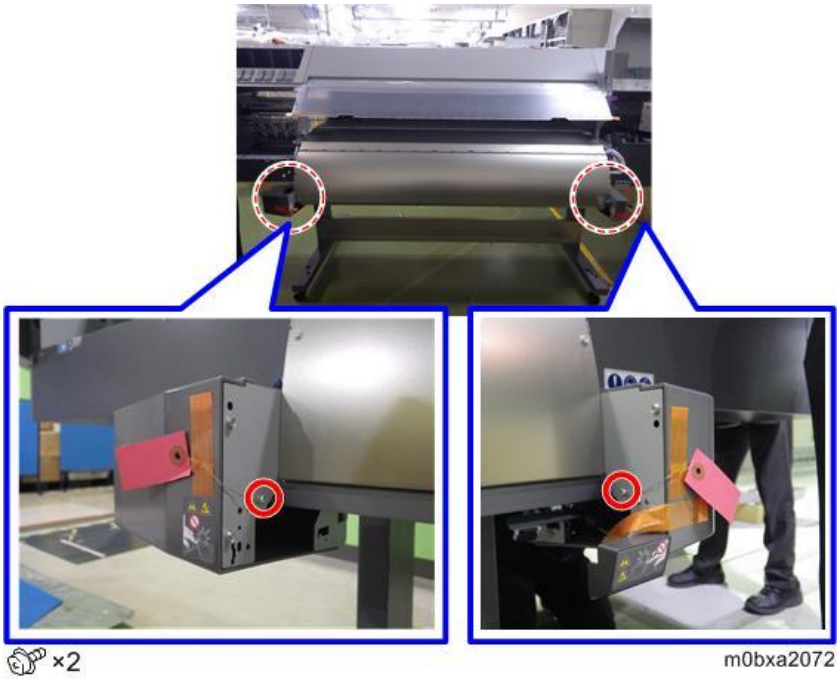


m0bxa4193

2. Fix the post guide plate and cutter unit. (TAPPING SCREW:4X8)



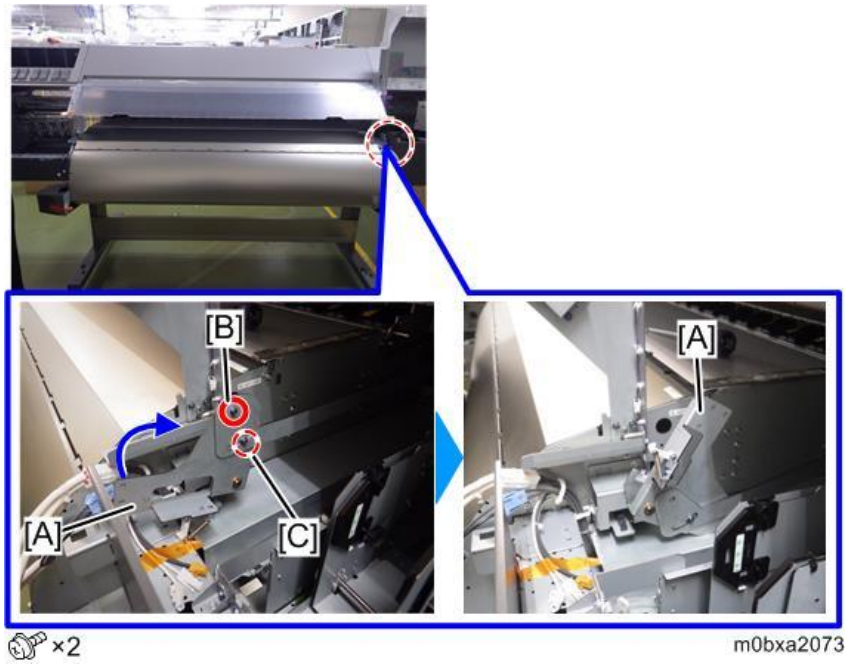
3. Remove the orange tapes and the screws with the red tags.



Installing the Cure Heater

1. Remove the screw [B] and loosen the screw [C] to move the media holding lever [A] towards the

inside of the main unit.

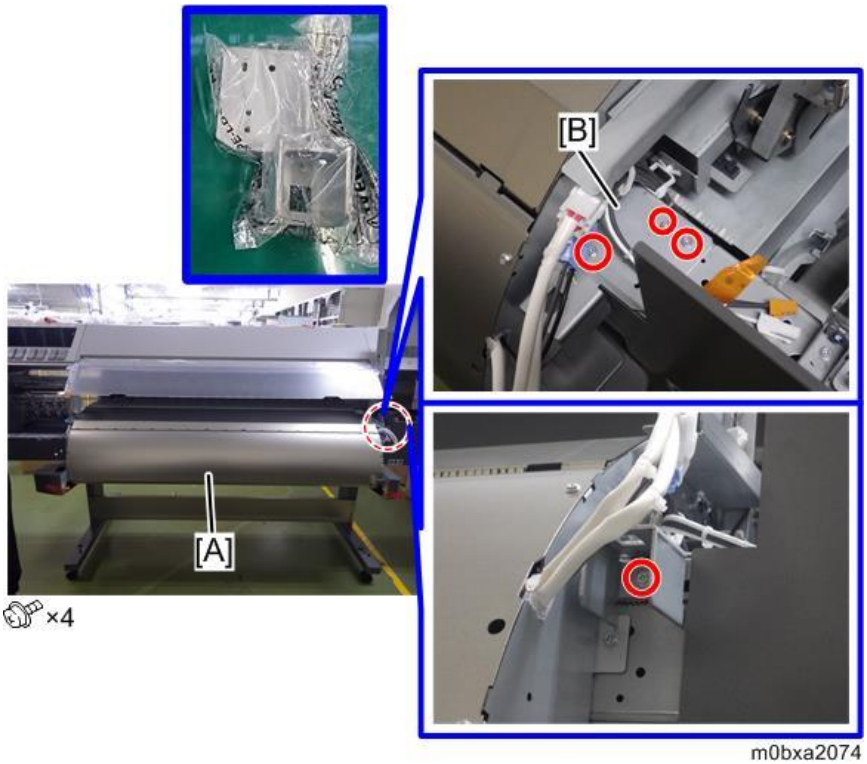


Note

Since the screw [B] is a stepped screw, be careful not to reattach the wrong screw.

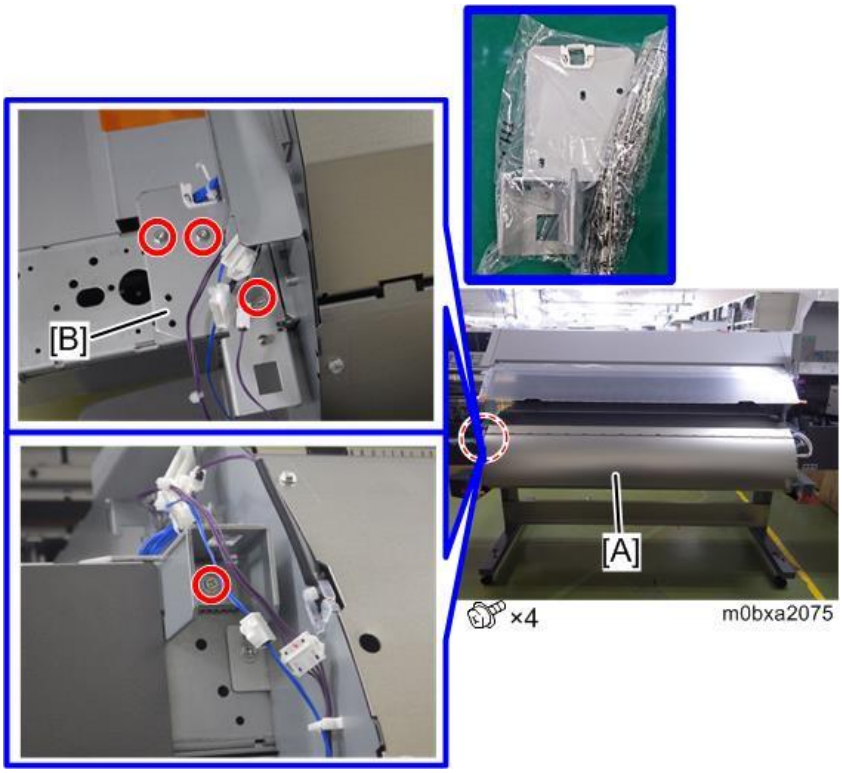
2. Attach the brackets [B] to the left and right side of post heater [A]. (TAPPING SCREW:ROUND POINT:3X6)

- Right side



2.Installation

- Left side

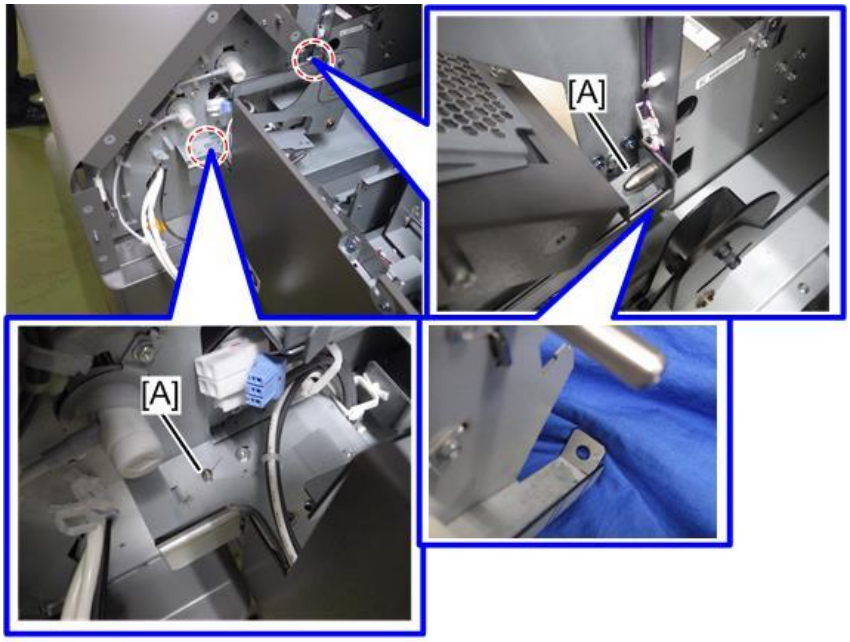


3. Attach the cure heater [A] to the main unit.



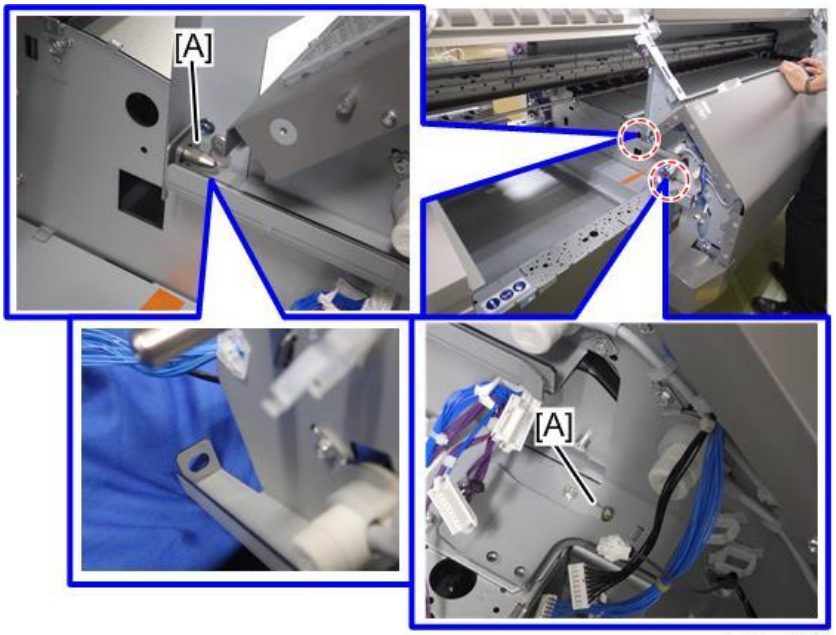
4. Set the cure heater to the main unit by inserting the positioning pins [A] of the main unit into the pinholes of the cure heater.

- Right side



m0bxa2078

- Left side



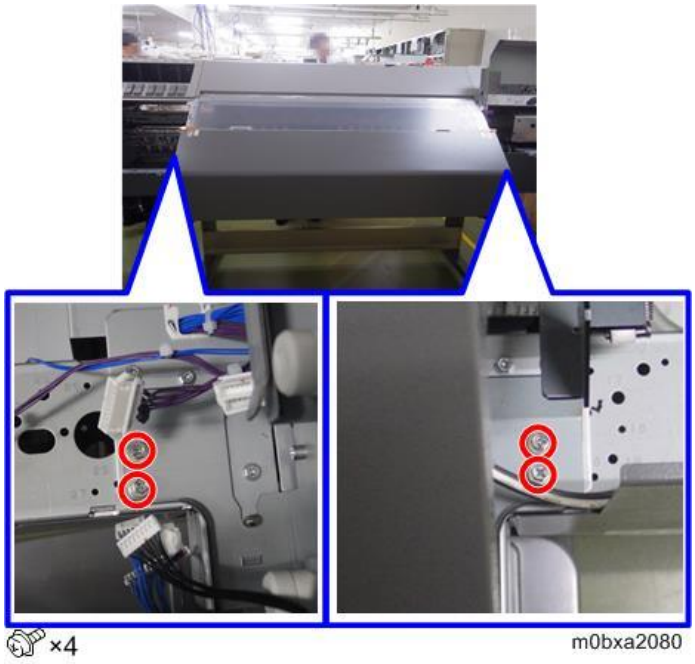
m0bxa2079

Note

When attaching the cure heater to the main unit, make sure to prevent harnesses from being caught between them.

After attaching the cure heater, check if harnesses are caught.

5. Fix the cure heater. (TAPPING SCREW:4X8)

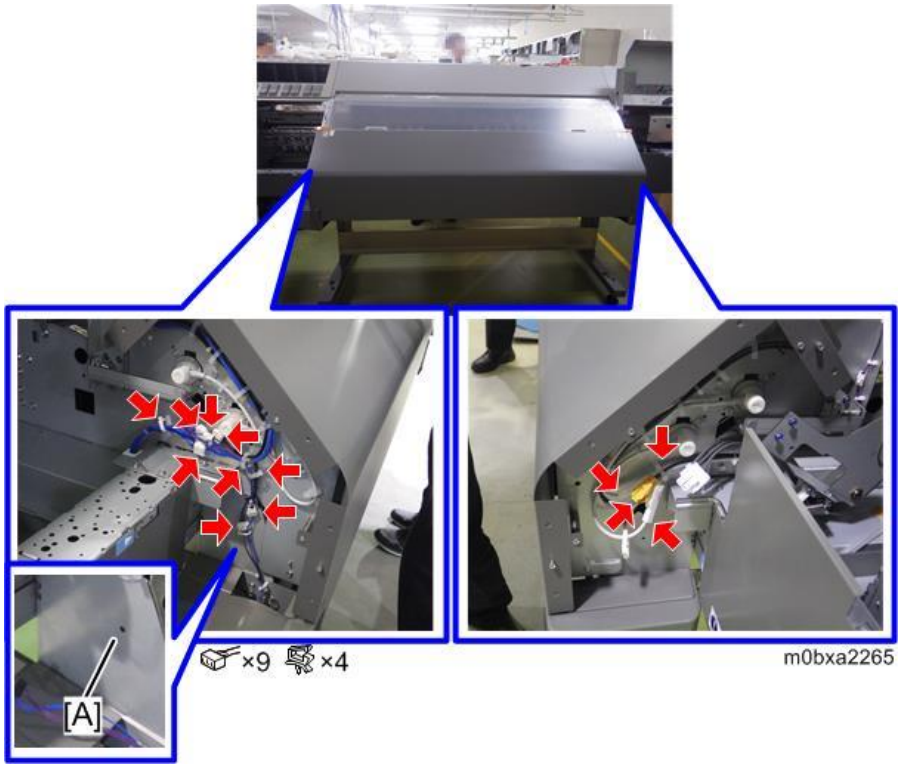


6. Remove the tape [A] from the harnesses.



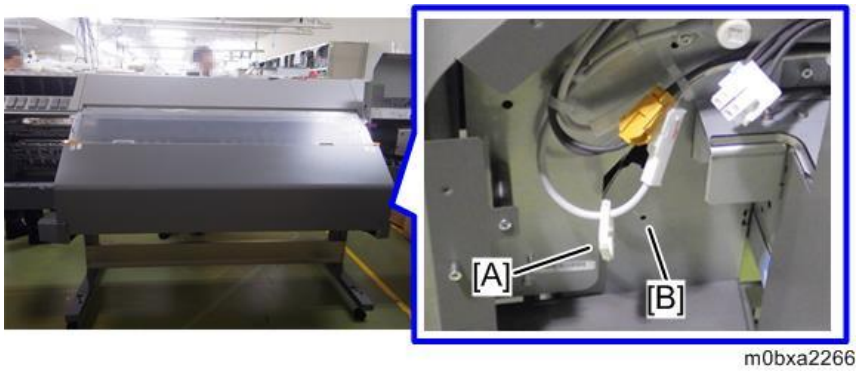
7. Set the clamp attached to the harness to the hole [A], connect the connectors, and then route the

harnesses as shown below.



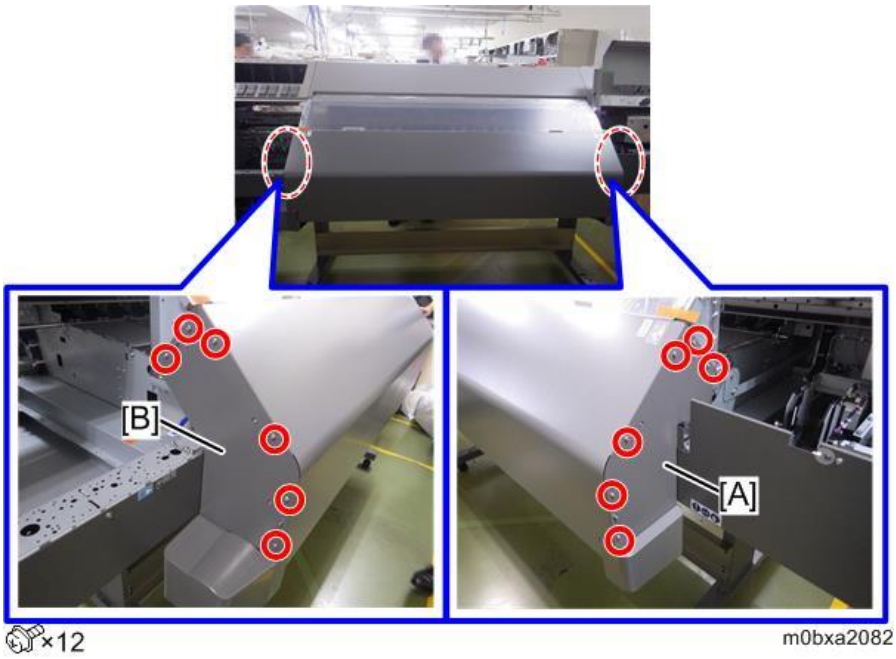
Note

If the harness on the right side of the cure heater is slackened, set the clamp [A] to the hole [B] to fix the harness.



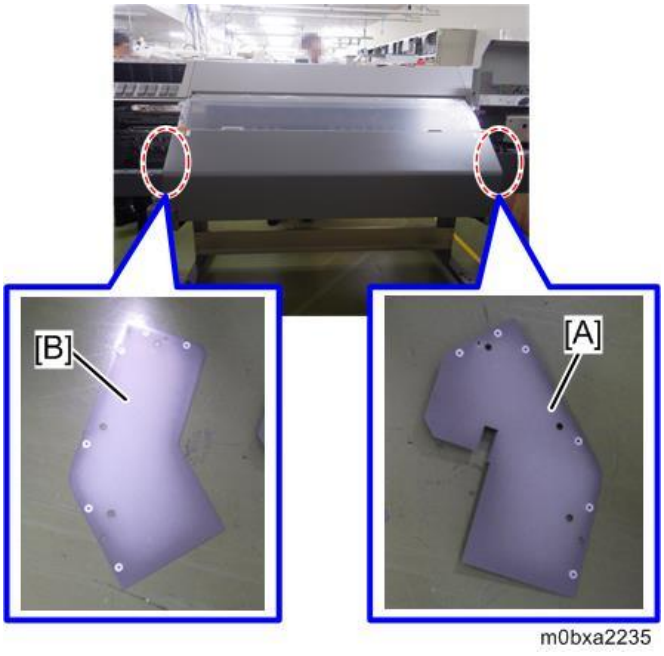
8. Attach the right side plate [A] and the left side plate [B] to the cure heater. (TAPPING SCREW

Round Point 3X6)



Note

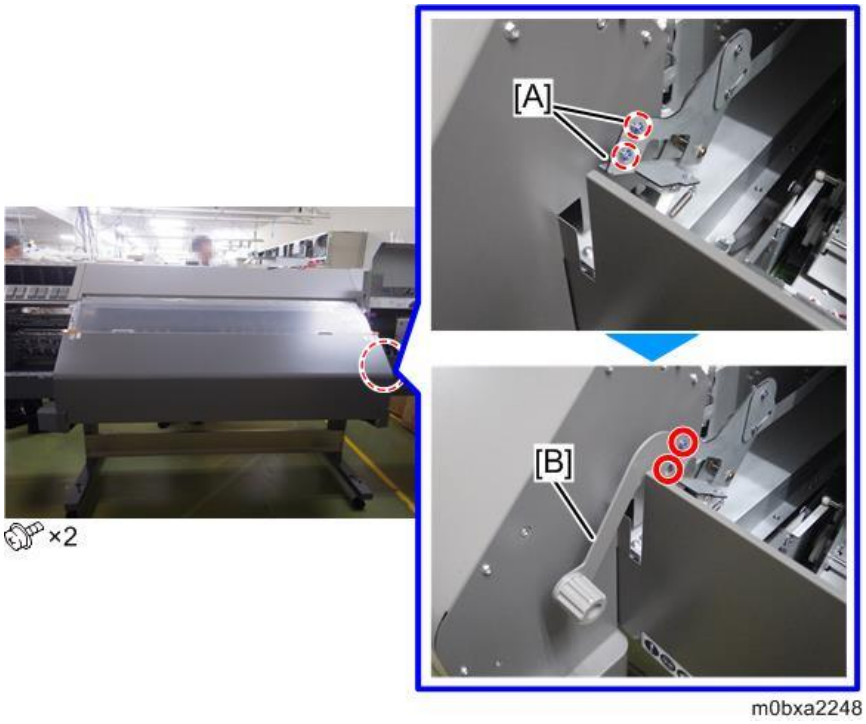
Attach the right side plate and the left side plate to each position correctly because they are different in shape.



Attaching the Media Holding Lever

1. Fix the lever with the screws [A] temporarily, attach the media holding lever [B], and then tighten

the screws to fix it. (TAPPING SCREW - M3X6)



Note

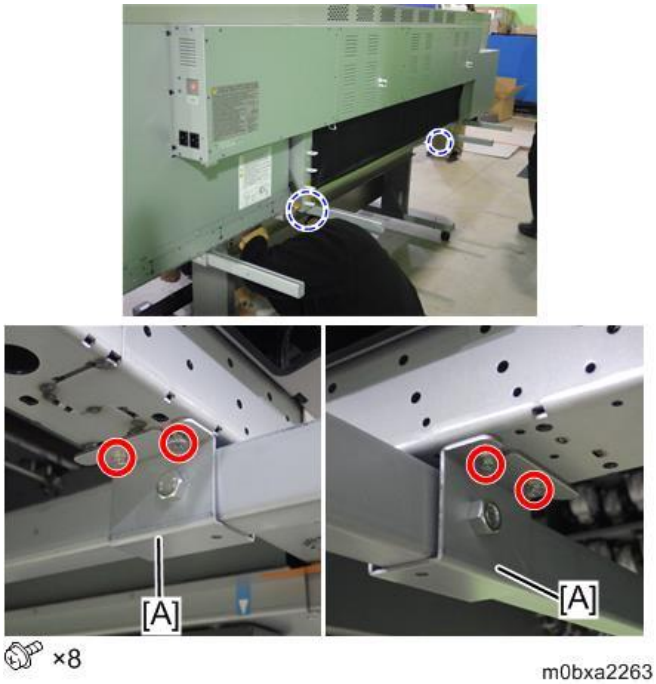
- The screw [A] is a stepped screw. When reattach the screw, carefully tighten it.



Removing the Bracket Used for the Bar to Carry

1. Remove the two brackets [A] used for connecting the printer stand with the main machine, from the

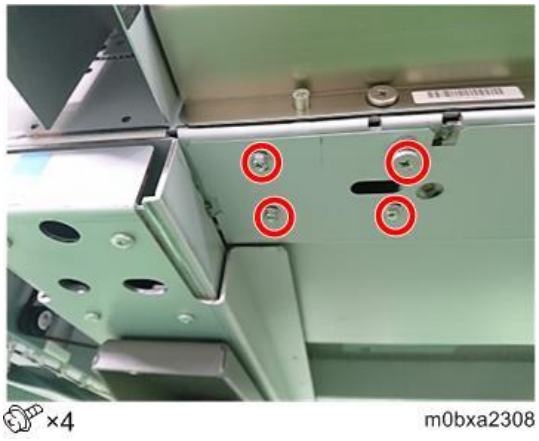
center of the rear side.



Note

- Ask the customers to store the removed brackets.

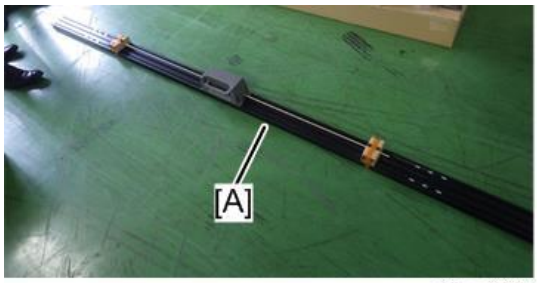
2. Return the screws that used to attach the bracket to the original position.



Installing the Roll Holder/Roll Core Holder

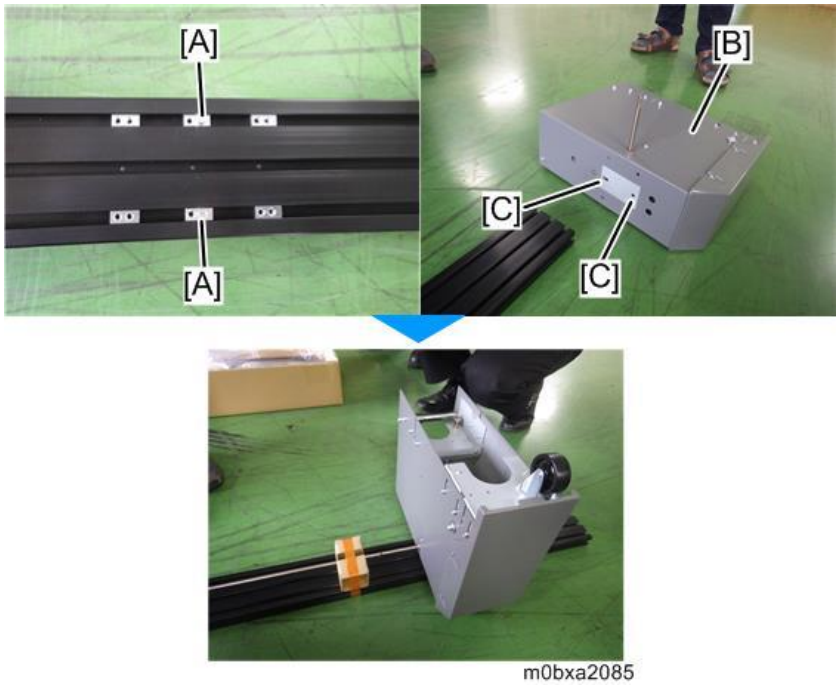
Installing the Roll Holder

1. Lay the stay [A] on the floor as shown below.



m0bxa2084

2. Set the paper feed caster unit [B] to the right side of the stay by inserting the projections [A] of the right side of the stay to the pinholes [C] of the paper feed caster unit.

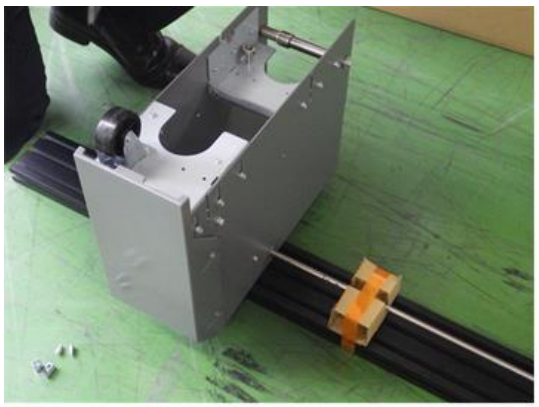


m0bxa2085

Note

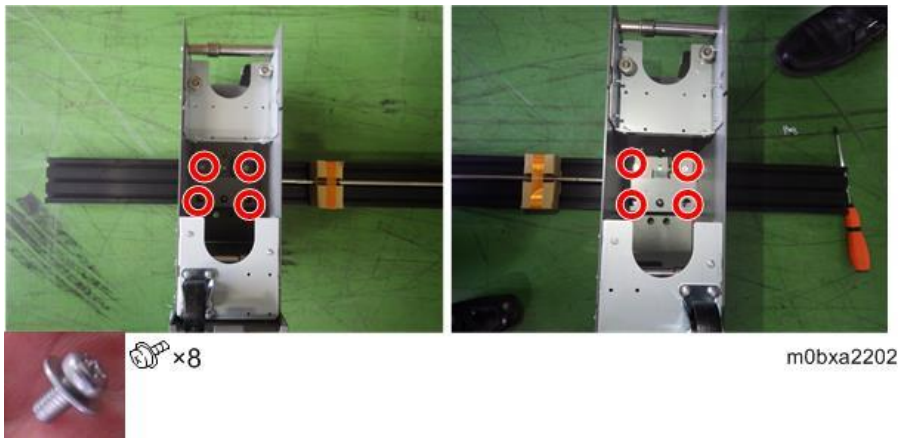
When setting the paper feed caster unit on the stay, make sure that the wheels of the paper feed caster unit are positioned on the front side.

3. Similarly set the holes of the paper feed caster unit to the projections of the left side of the stay.



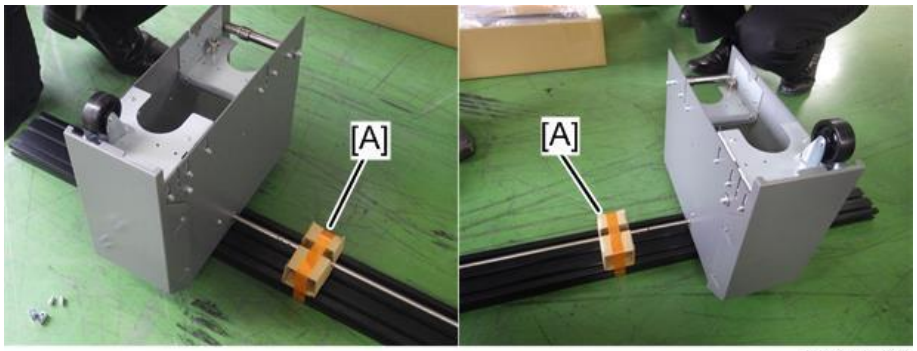
m0bxa2086

4. Fix the paper feed caster units on the stay. (SCREW:POLISHED ROUND:M4X8)



m0bxa2202

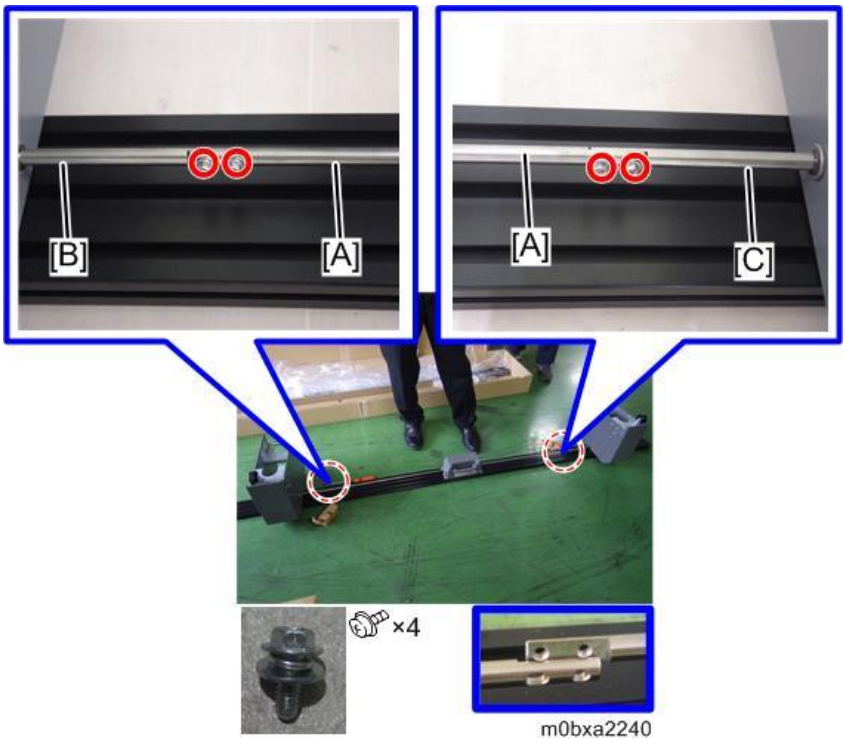
5. Remove the retainers [A].



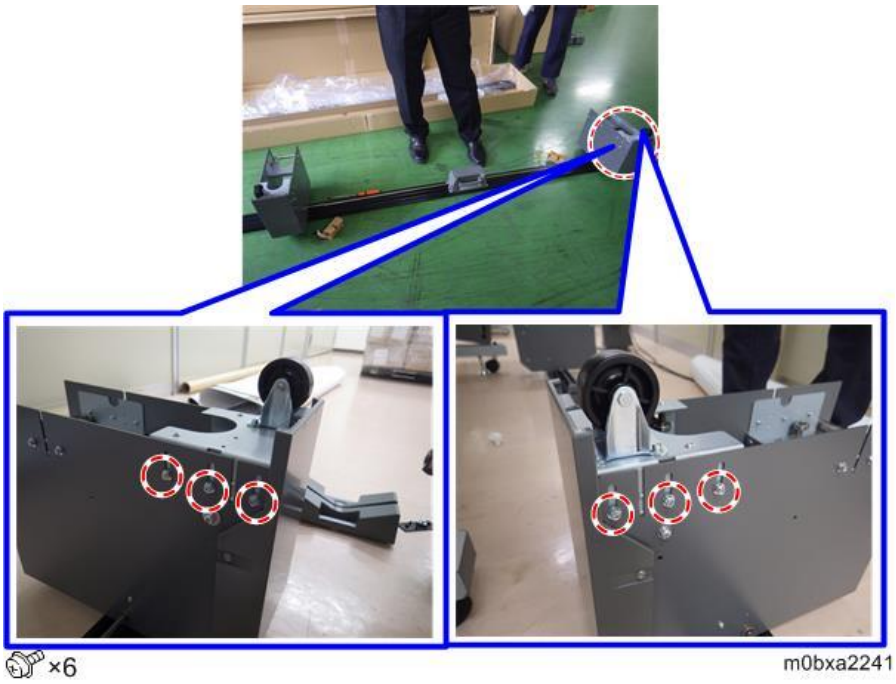
m0bxa2087

6. Fix the support shafts [B] and [C] to the shaft [A] of the stay. (SCREW:SPRING WASHER:ROUND POINT:M4X10)

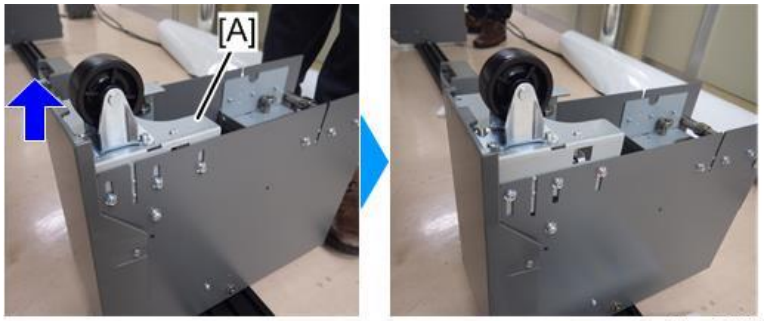
Put the screws in the stay from the side with the lever (non-threaded side), and then fix the stay.



7. Loosen the screws of the caster unit.



8. Pull out the caster unit [A] fully.



m0bxa2242

9. Tighten the screws of the caster unit.

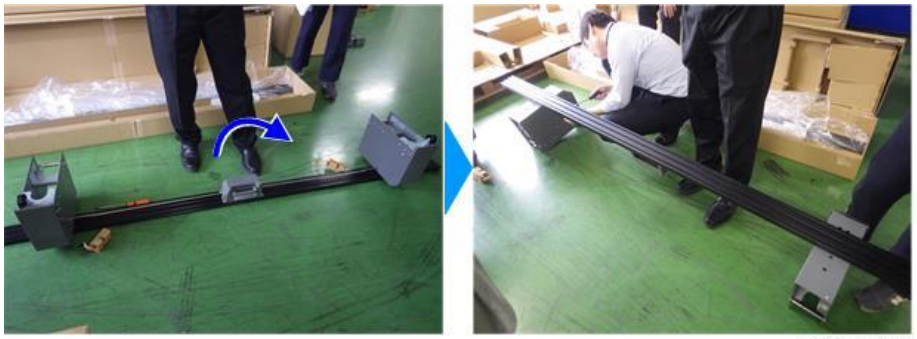


m0bxa2243

10. Install the other roll holder in the same way.

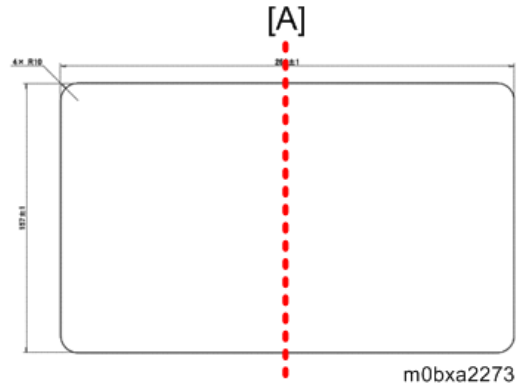
Loosen the screws of the caster unit, pull out it fully, and then tighten the screws of it.

11. Turn the stay with the paper feed caster units upside down.



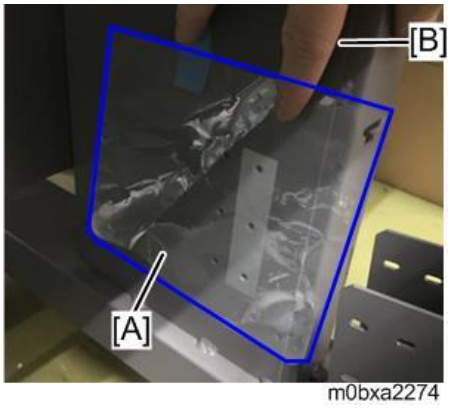
m0bxa2088

12. Cut the protection sheet along the center broken line [A].



13. Attach the protection sheet [A] to the printer stand [B].

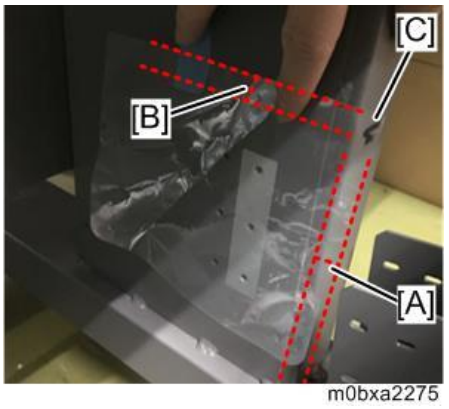
The picture below shows inside. Also attach it to the outside in the same way.



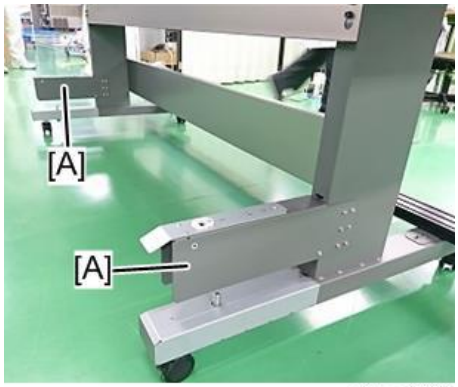
Note

[A]: The right end of the sheet is out of the front side of the stand and the extra length is 10 to 15 mm. (approx. 0.394 to 0.591 inch)

[B]: The upper end of the sheet exceeds the height of the T-shaped hole [C] by 5 to 10 mm. (approx. 0.197 to 0.394 inch)



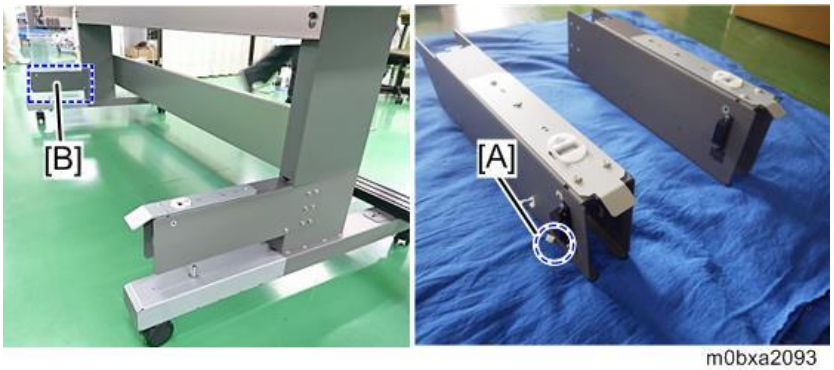
14. Attach the paper feed support stays [A] to the printer stand.



m0bxa2092

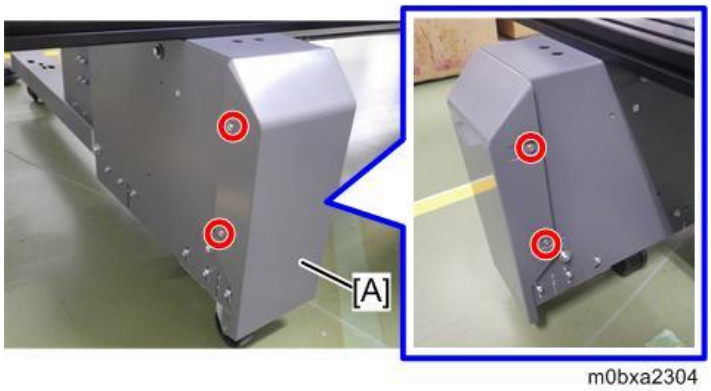
Note

- Attach the paper feed support stay with the harness [A] to the rear left side [B] of the main unit.



m0bxa2093

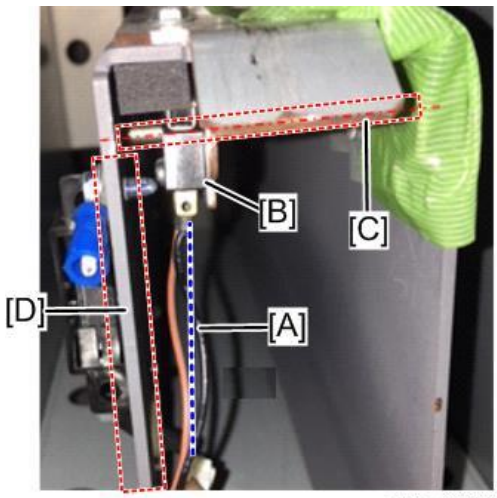
15. Remove the paper feed stand front cover [A].



m0bxa2304

Note

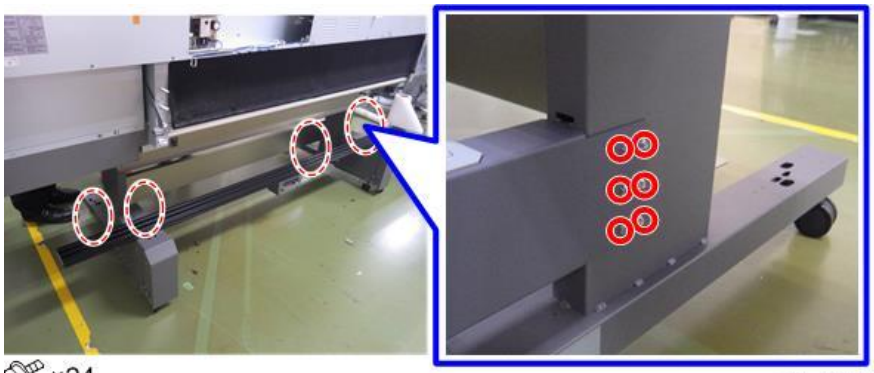
- Bend the harness [A] so that the harness is under the roll feed unit set switch [B]. Prevent the harness touching the shaft [C] and the bracket [D].



m0bxa2247

16. Remove the protection sheet attached to the printer stand.

17. Fix the inside and outside of the paper feed support stays (left/right) with the screws.
(HEXAGONAL BOLT:DOUBLE SCREW:M4X12)



m0bxa2095

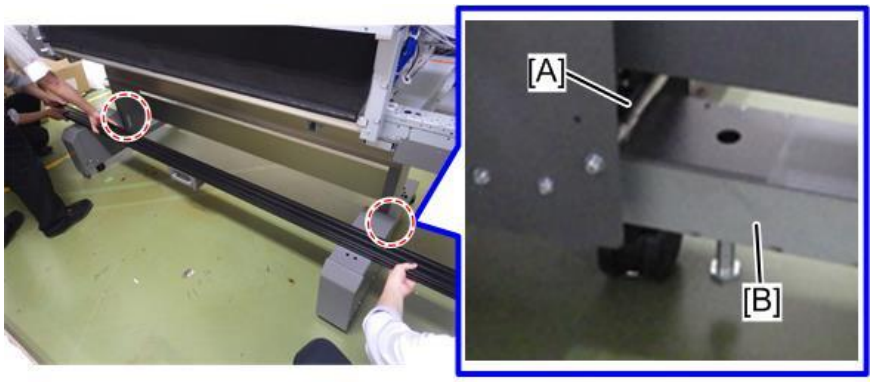
Note

The screw [A] of the left side of the main unit is fastened with the ground cable of the roll holder. Temporarily fix the screw to the position [B] for fixing the ground cable of the roll core holder with it later.



m0bxa2096

18. Insert the legs [B] of the printer stand under the pole section [A] of the paper feed caster unit.



m0bxa2090

Note

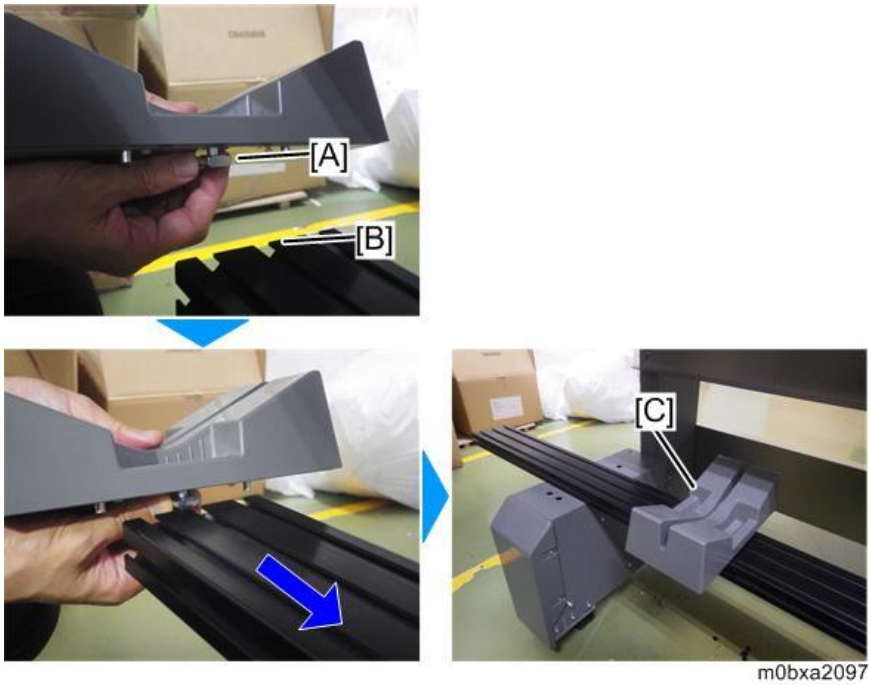
- The stopper magnet can interfere with the paper feed stand. Insert the leg while shifting it to the left side seen from the rear side of the main machine.



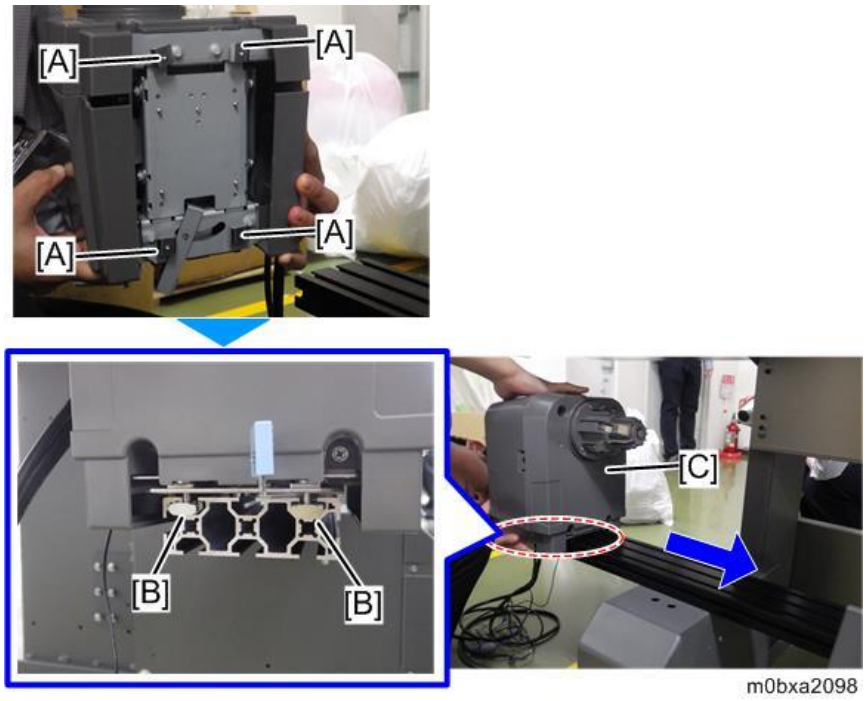
m0bxa4344

19. Insert the nut [A] of the media support [C] into the groove [B] of the left edge of the stay, and then slide the media support towards the right. Attach the media support on the right edge of the stay in

the same way.



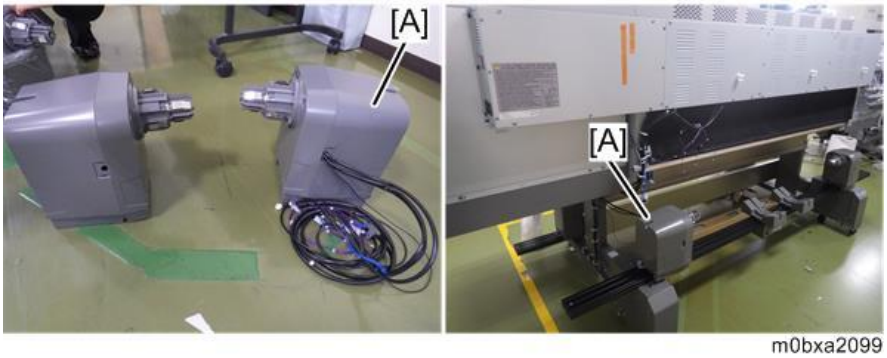
20. Insert the nuts [A] of the roll holder [C] into the grooves [B] of the left edge of the stay, and then slide the roll holder towards right to install the roll holder on the left side of the stay.



Note

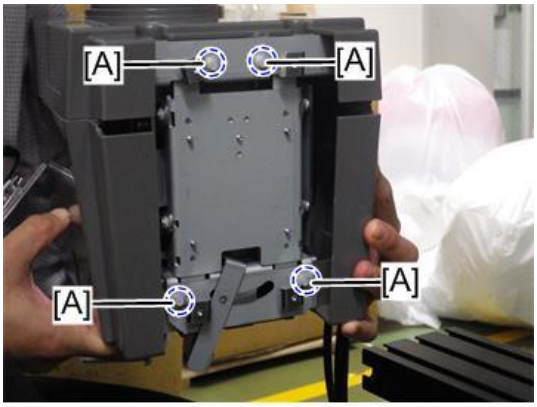
- Attach the roll holder [A] which has the harness and no switches to the rear left side of the

stay.



m0bxa2099

- Carefully attach the roll holder not to drop the small white rubbers [A] attached on the bottom of the holder. The absence of the rubber might lower the power of fixing the holder to the stay.



m0bxa2292

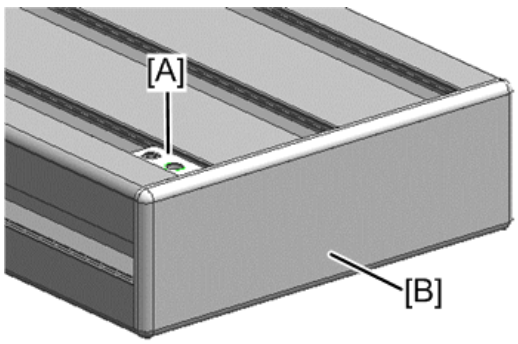
21. In the same way, attach the other roll holder to the right of the stay.

Note

The two holders that have no harness are compatible with each other. Therefore, either holder can be attached to the edge of the stay.

22. Attach the retaining part (nut) [A] to the one side of the groove of the stay, and then attach the end cap [B].

In the same way, attach the retaining part and the end cap to the other side of the groove of the stay.

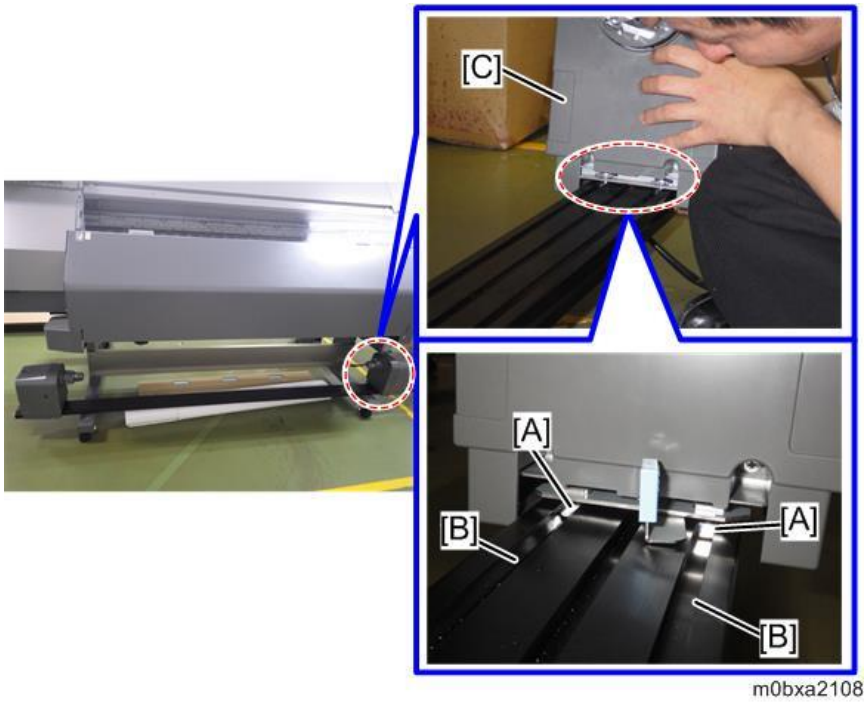


m0bxa2276

23. Clean the grooves of the stay, and then check if there is no dust on the groove.

Installing the Roll Core Holder

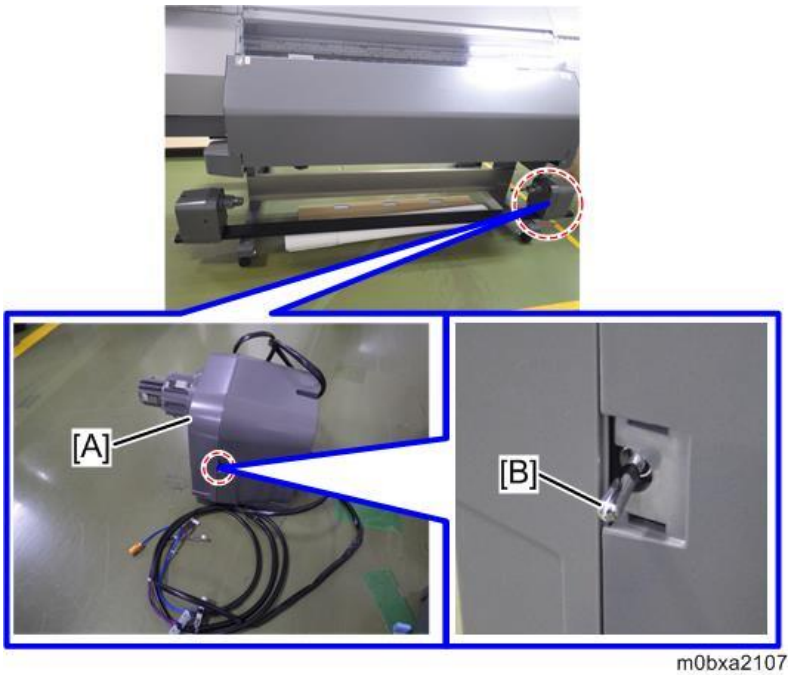
1. Insert the nuts [A] of the roll core holder [C] into the grooves [B] from the right edge of the stay, and then slide the roll core holder towards left to install the holder on the right side of the stay.



m0bxa2108

Note

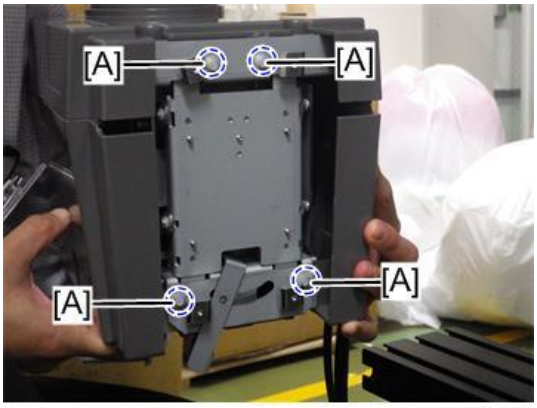
- Attach the roll core holder [A] with the harness and switch [B] to the right side of the stay.



m0bxa2107

- Carefully attach the roll core holder not to drop the small white rubbers [A] attached on the bottom of the holder. The absence of the rubber might lower the power of fixing the holder

to the stay.

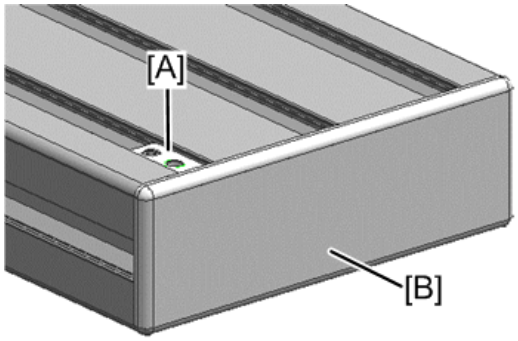


m0bxa2292

2. Attach the other roll core holder to the left side of the stay, in the same way.

3. Attach the retaining part (nut) [A] to the one side of the groove of the stay, and then attach the end cap [B].

In the same way, attach the retaining part and the end cap to the other side of the groove of the stay.

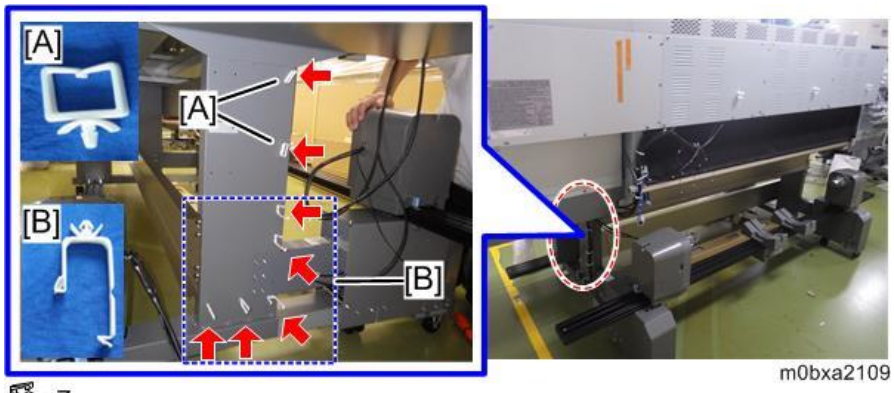


m0bxa2276

4. Clean the grooves of the stay, and then check if there is no dust on the groove.

Connecting the Connectors between the Roll Holders and Machine

1. Attach the clamps [A] and [B] to the right side of the printer stand.

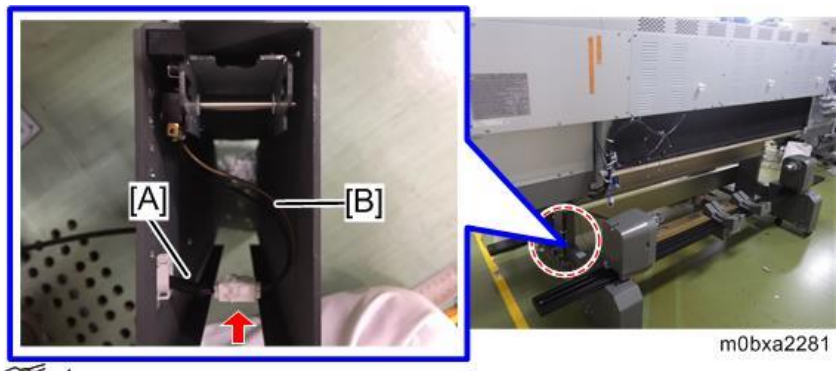


m0bxa2109

×7

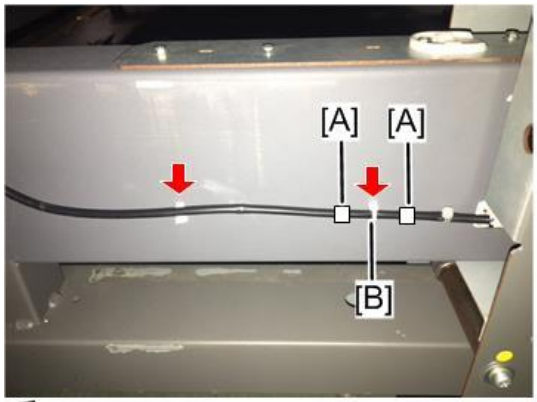
2. Connect the harness connector [A] of the roll holder to the connector [B] of the paper feed support

stay.



×1

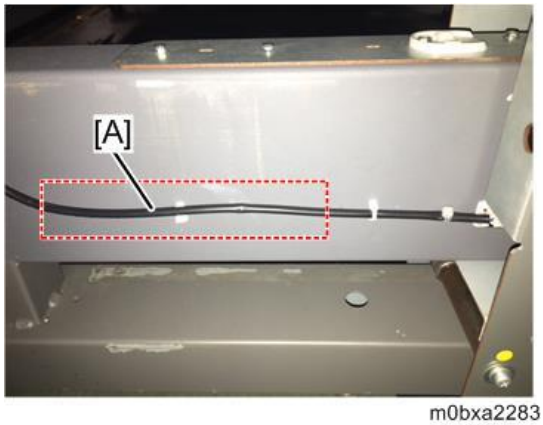
3. Fix the harness with the binds [A] and the clamp [B] so that the clamp is sandwiched between the binds.



×2

Note

Route the harness around the area [A], removing the slack.

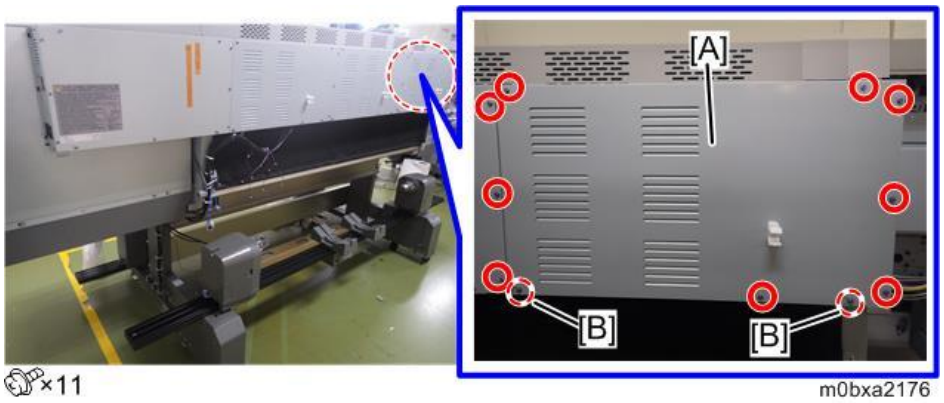


4. Fix the ground cable of the roll core holder to the position [A].



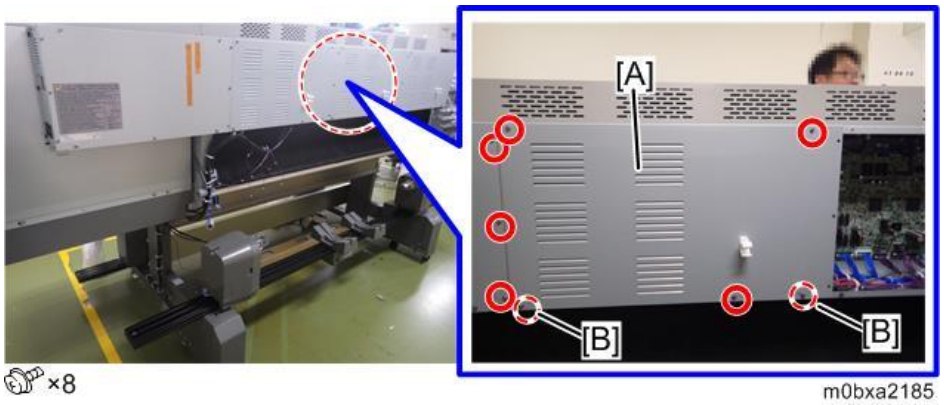
5. Remove the controller box right cover 1 [A].

When removing the controller box right cover 1, loosen the screws [B].



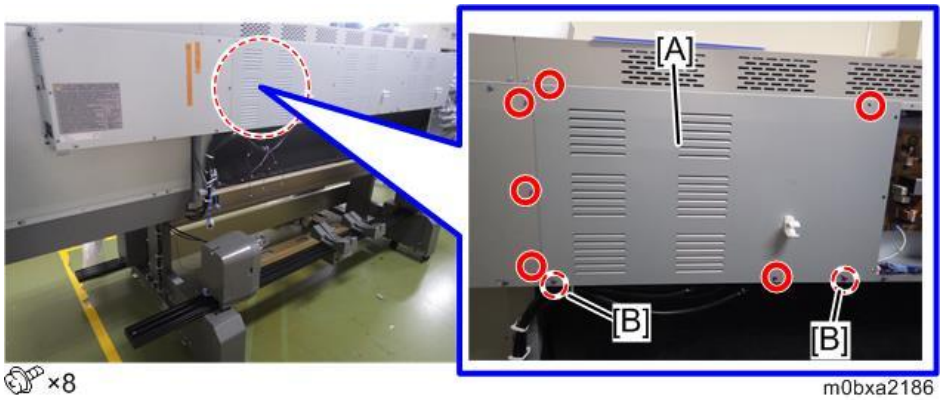
6. Remove the controller box right cover 2 [A].

When removing the controller box right cover 2, loosen the screws [B].



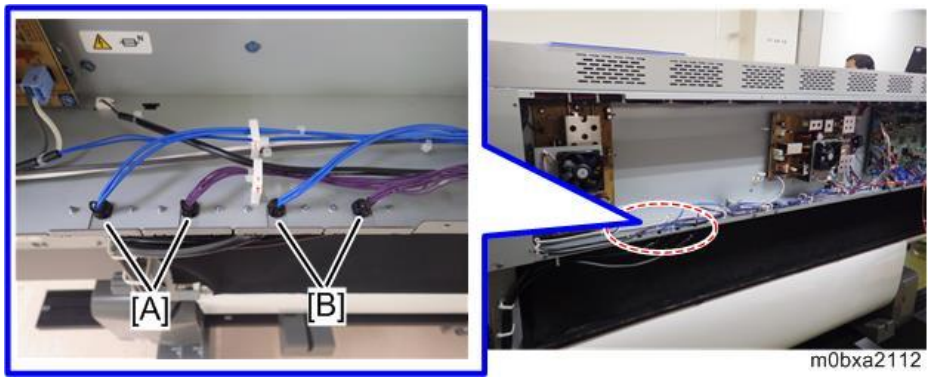
7. Remove the controller box right cover 3 [A].

When removing the controller box right cover 3, loosen the screws [B].

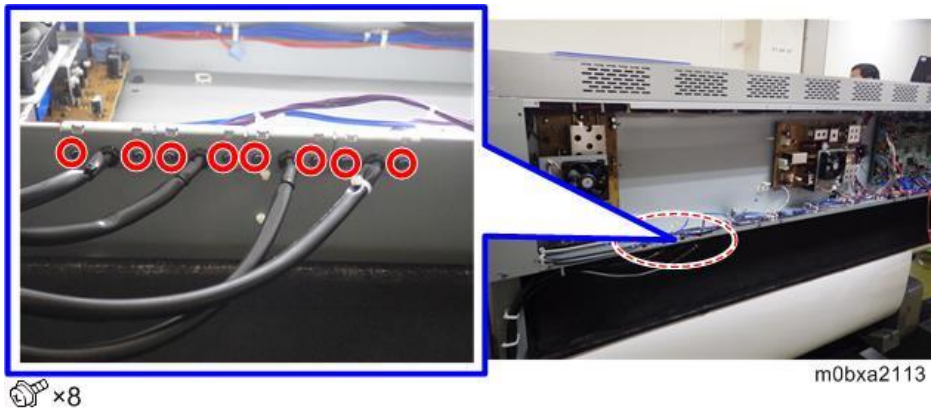


8. Attach all the four harness brackets of the roll holder and the roll core holder to the main unit as shown below.

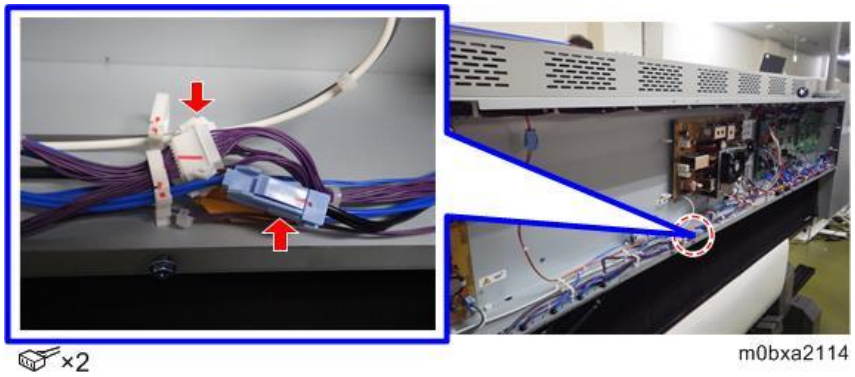
- [A] : harness brackets of the roll holder
- [B] : harness brackets of the roll core holder



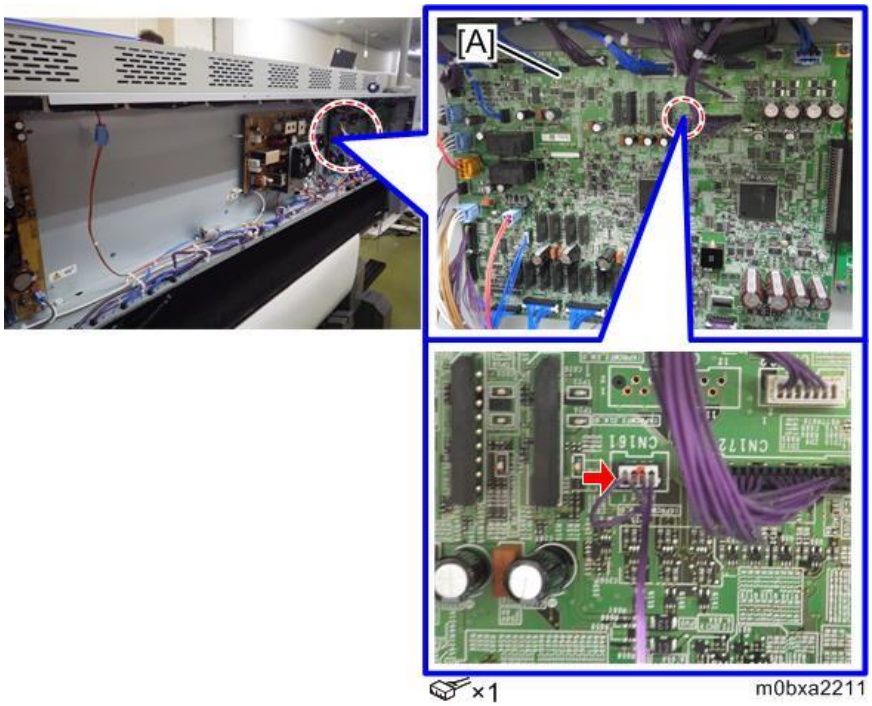
9. Fix the four harness brackets from underside. (TAPPING SCREW - M3X6)



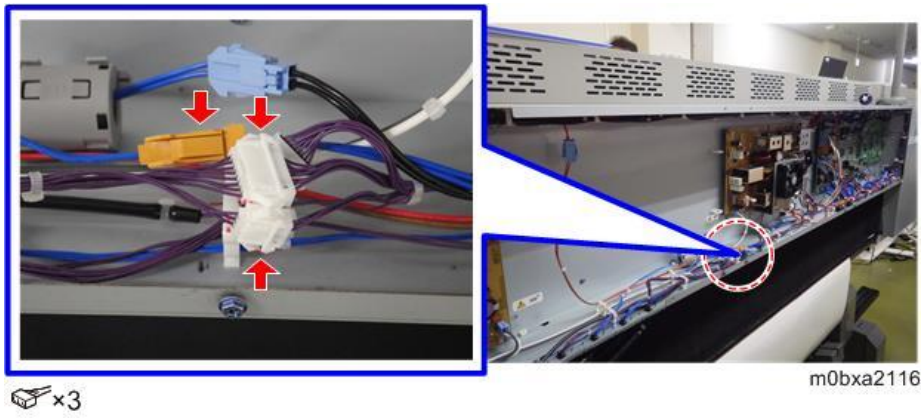
10. Connect the harnesses of the roll holder to the harnesses inside of the controller box.



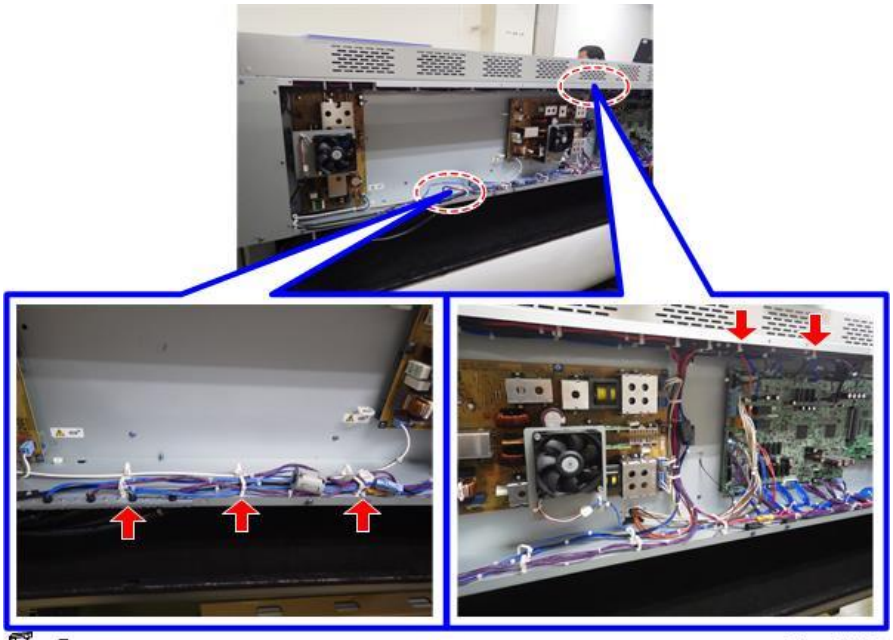
11. Connect the harness of the roll holder (connector for the roll feed unit set switch) to CN161 on the IOB [A].



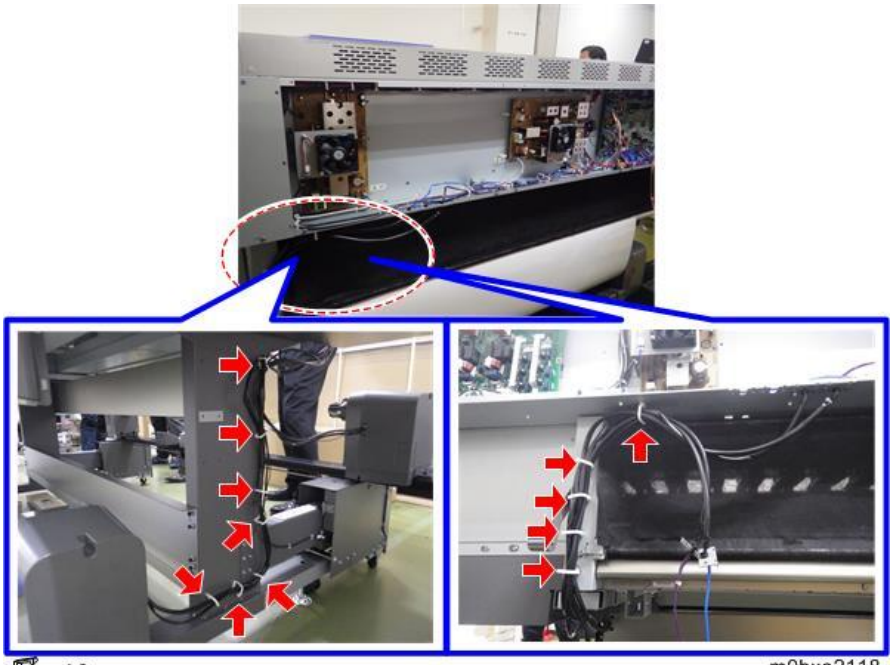
12. Connect the harnesses of the roll core holder to the harnesses inside of the controller box.



13. Secure the harnesses of the roll holder and the roll core holder with clamps.



×5 m0bxa2117

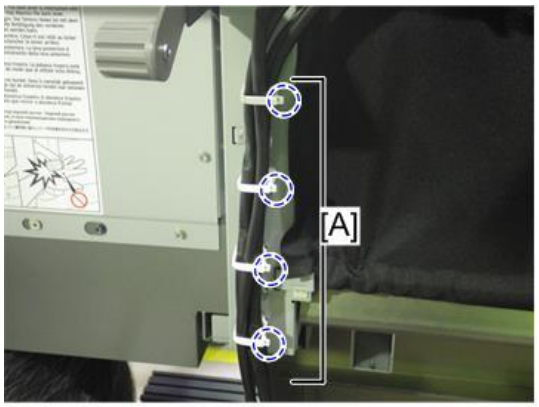


×12 m0bxa2118

Note

Make sure that the snap-fits [A] of the clamps face inside of the machine.

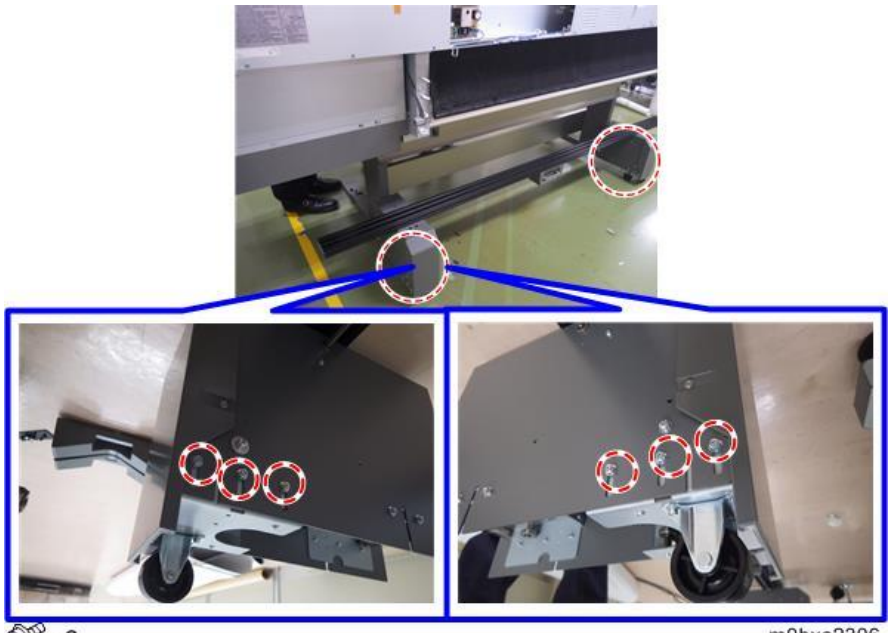
2.Installation



m0bxa2259

14. Reattach the controller box right cover 1, 2, 3.

15. Loosen the screws of the caster unit, raise the casters to the highest position, and then tighten the screws.



×6

m0bxa2306

Installing the Waste Ink Bottle

1. Insert the screw into the printer stand. (HEXAGONAL BOLT:DOUBLE SCREW:M4X12)



×1

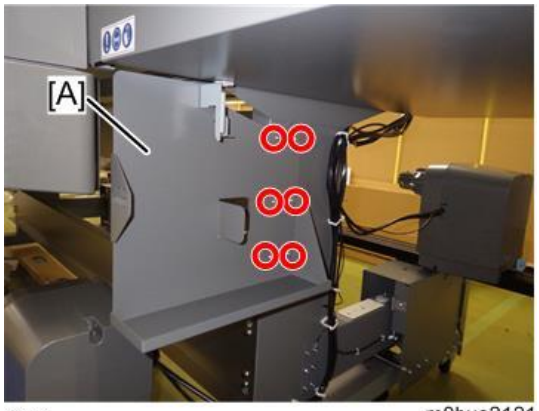
m0bxa2119

2. Hook the screw hole of the waste ink bottle holder [A] to the screw.



m0bxa2120

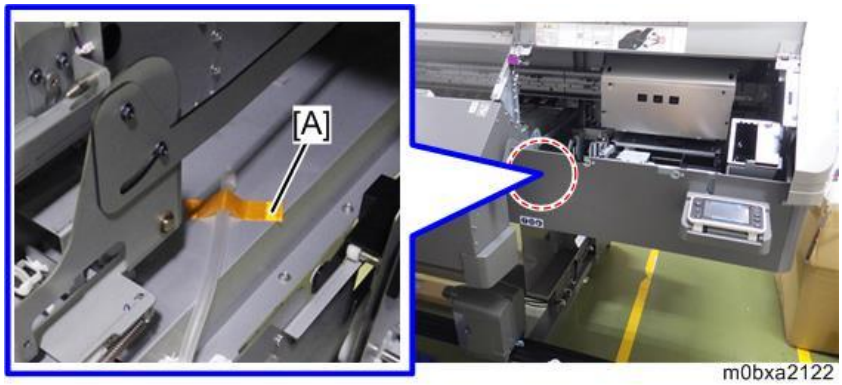
3. Fix the waste ink bottle holder [A]. (HEXAGONAL BOLT:DOUBLE SCREW:M4X12)



m0bxa2121

×6

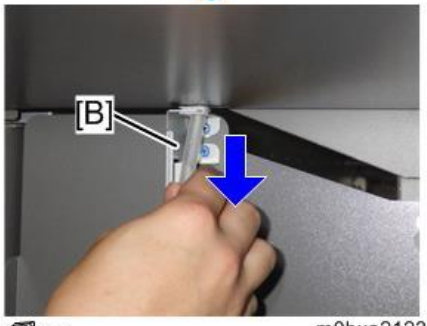
4. Remove the tape [A] fixing the waste ink tube.



m0bxa2122

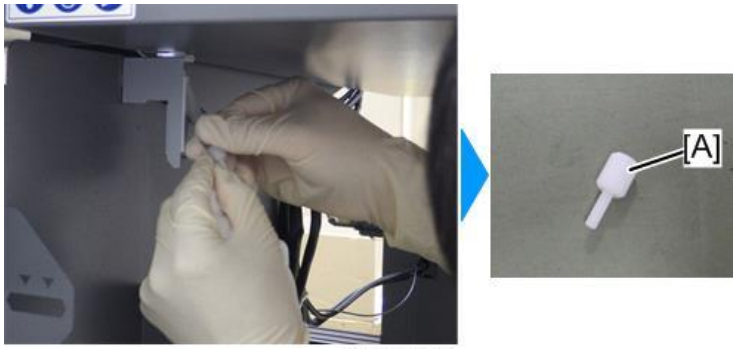
5. Pull out the waste ink tube [B] through the hole of the right bottom cover [A].





×1 m0bxa2123

6. Wear gloves, and then remove the cap [A] from the tip of the waste ink tube.



m0bxa2125

Note

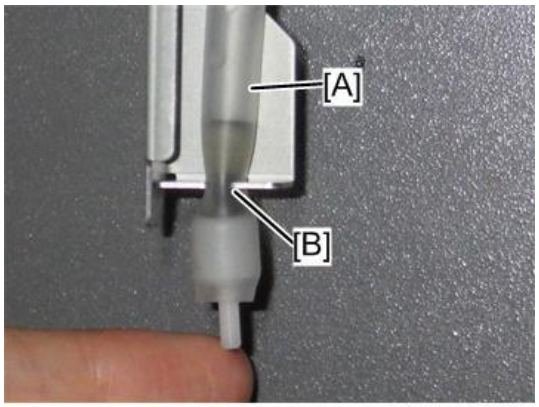
- Be careful not to drop cleaning liquid.



m0bxa2126

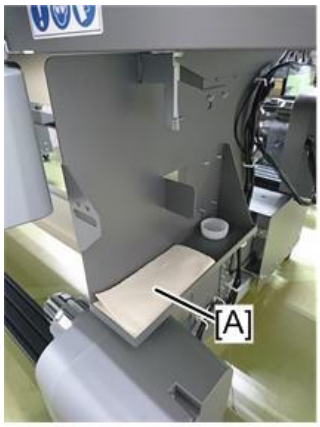
- Ask the customer to store the removed cap.

7. Insert the waste ink tube [A] into the notch [B] of the bracket.



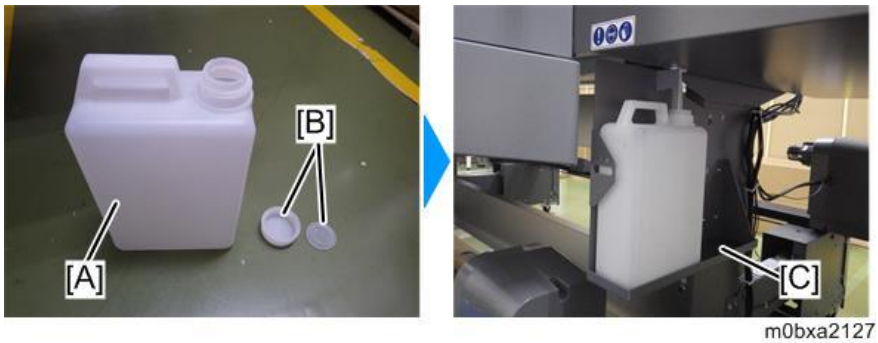
m0bxa2124

8. Lay a paper [A] on the bottom section of the waste ink bottle holder.



m0bxa2271

9. Remove the lids [B] of the waste ink bottle [A], and then set the waste ink bottle to the waste ink bottle holder [C].



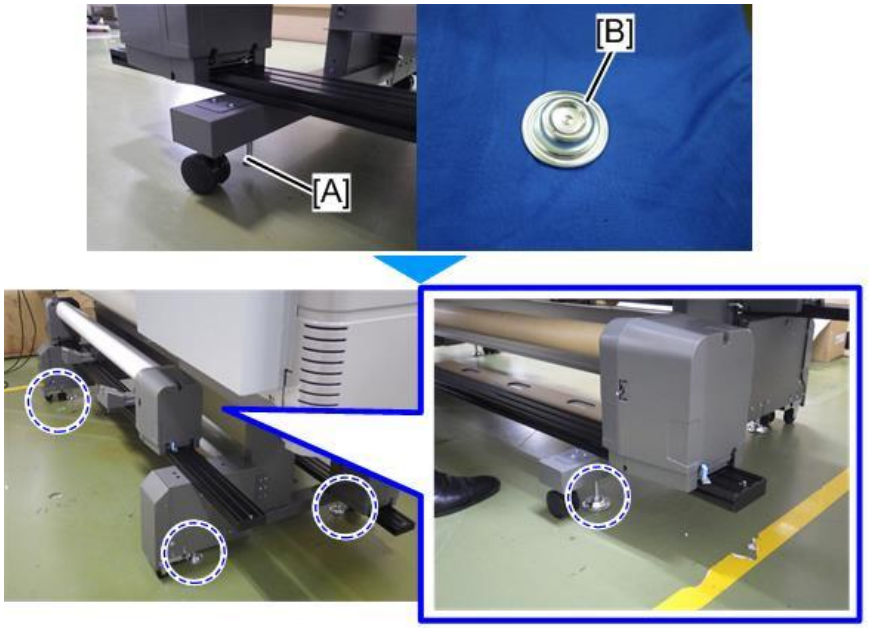
m0bxa2127

Note

- Ask the customer to store the lids of the waste ink bottle.
- Check if the waste ink tube curves. If the tube is curved, ink is not discharged properly into the waste ink bottle and ink may overflow.
- Make sure that the waste ink tube is inserted into the mouth of the waste ink bottle.

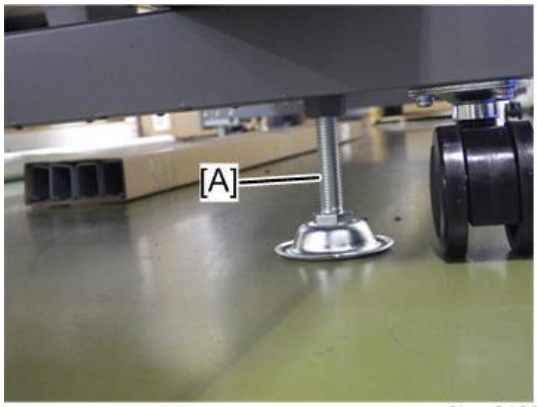
Level Adjustment

1. Place the four leveling shoes [B] under the bolts [A] of four corners of the machine.



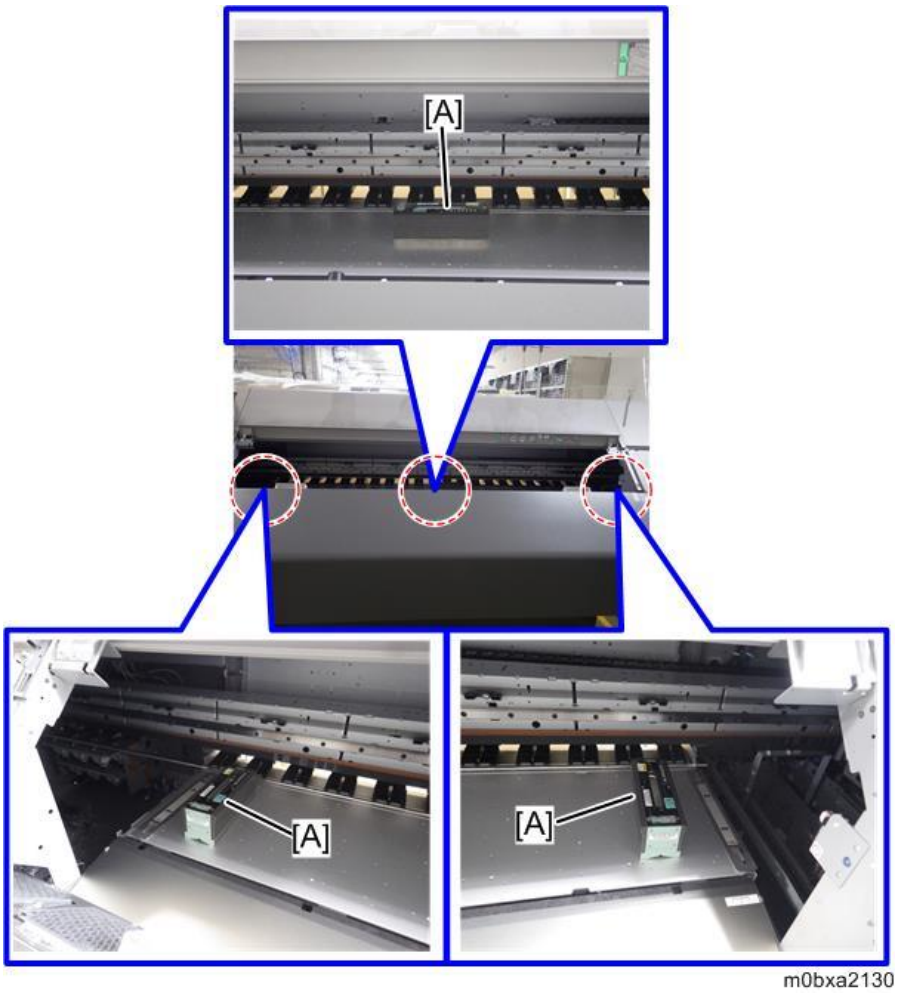
m0bxa2128

2. Turn the nut to lower the bolt [A] until the bolt reaches the leveling shoe and the caster leaves the floor.



m0bxa2129

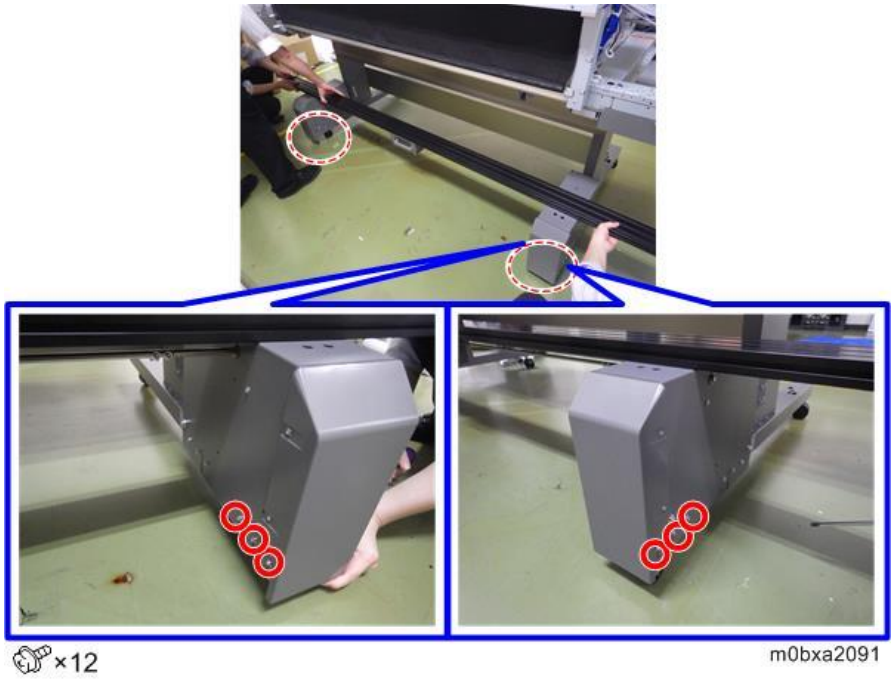
3. Place the level [A] on the platen (left side, center, and right side) and check the level.



4. Adjust the height of the each bolt to level the unit within the extent of 0.15 to 1,000 mm (approx. 0.006 to 39.370 inches).

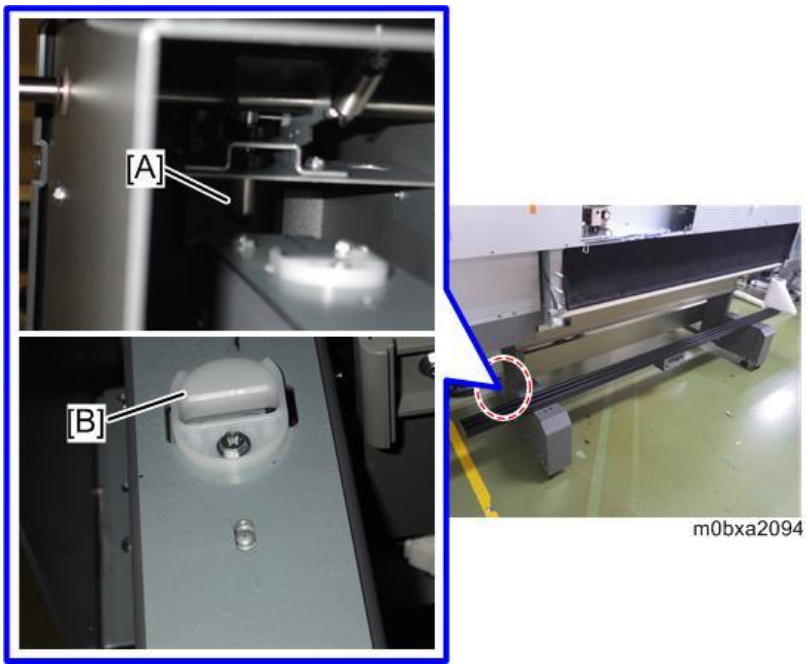
5. Loosen the adjustment screws when the caster unit is set to the main machine, and then adjust the height of the casters so that all of the casters touch the ground.

6. After adjusting the height, tighten all of the adjustment screws.



Note

- Paper feed caster unit attached to the printer stand can be drawn toward you and set to the deeper position.
- Check that the paper feed caster unit can be pushed and pulled smoothly. Also open the cover at the front side of the stand at the left side of the paper feed caster unit, and make sure that the projection [A] inside the roll holder pushes the part [B] of the paper feed support stay when setting the caster unit to the rear.

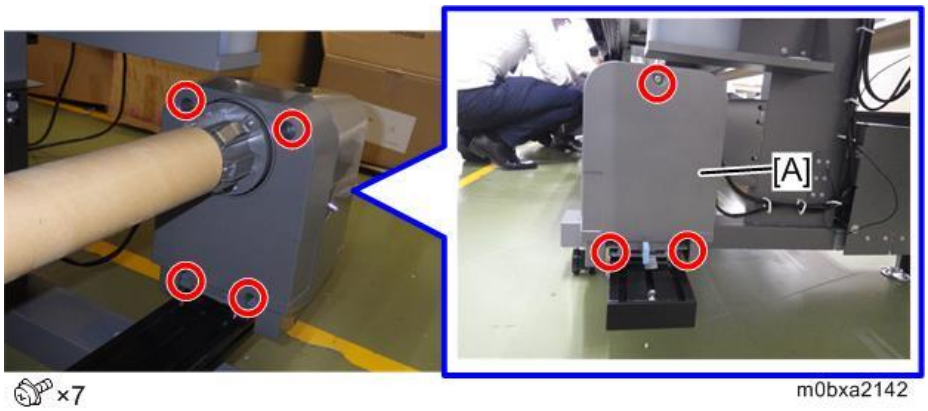


Paper Feed/Roll-up Alignment Adjustment

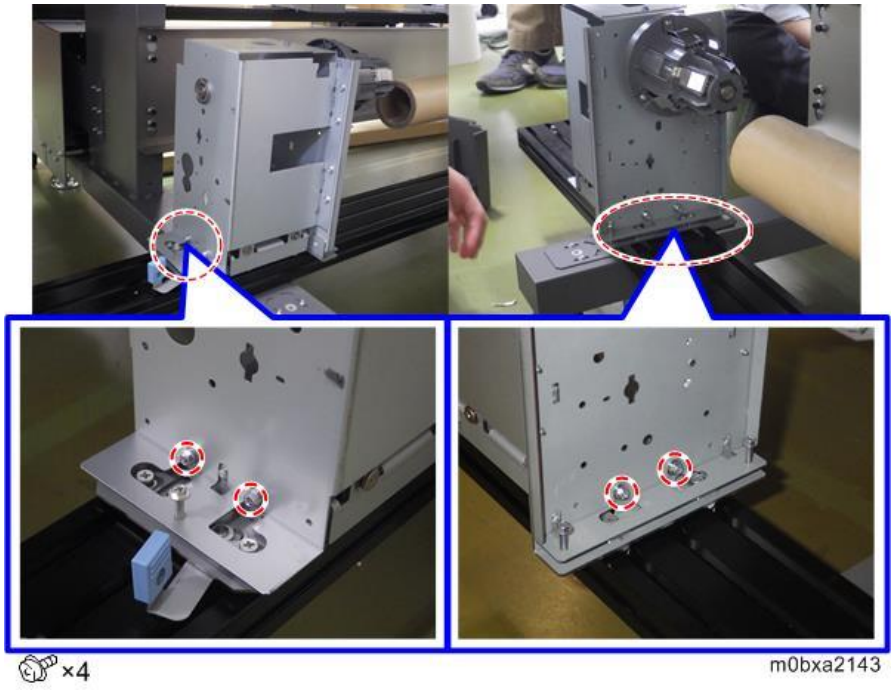
This section explains how to adjust the height of the roll holders and the roll core holders. Firstly adjust the roll holders.

The Adjustment of roll holders and roll core holders can be done in the same way unless the difference is especially described in these procedures.

1. Make sure that the caster unit is set to the main machine. (Set the caster unit to the deepest position.)
2. Remove the exterior cover [A] of the holder.

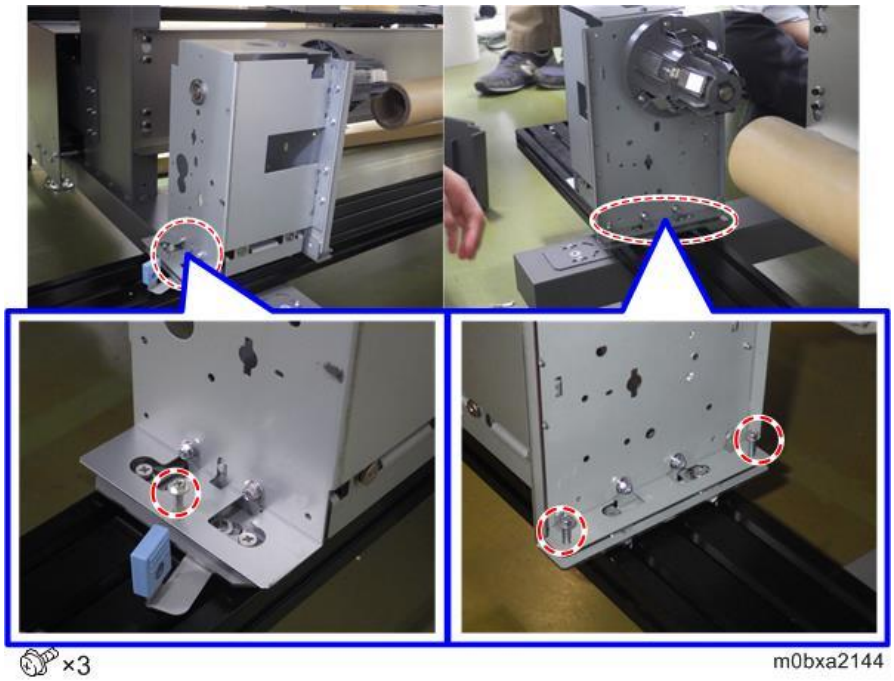


3. Loosen the screws.

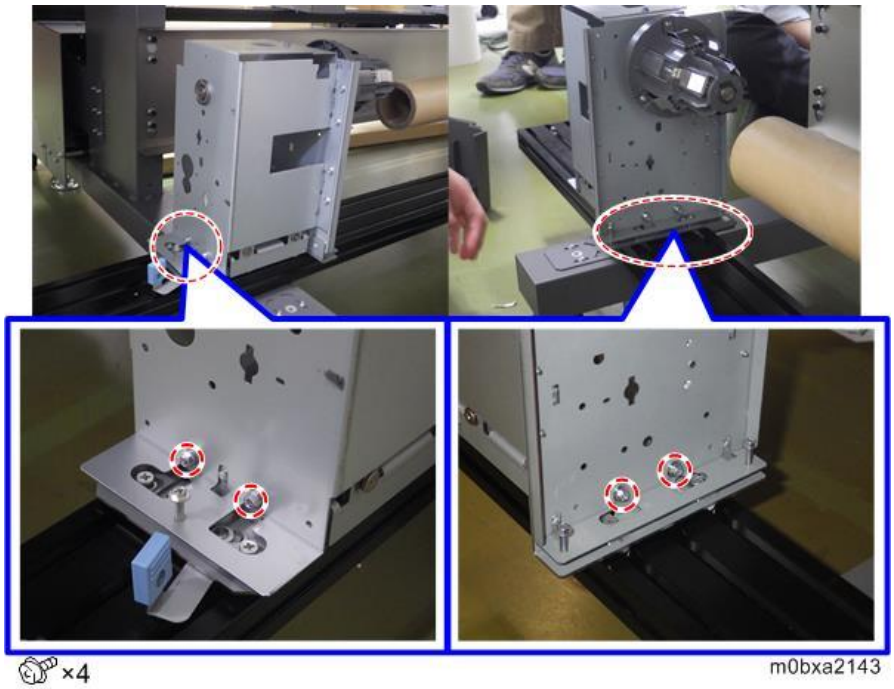


4. Rotate the three adjustment screws evenly to lower the adjustment position to the lowest. A turn

counterclockwise lowers the holder by 0.7 mm (approx. 0.028 inch).



5. Tighten the loosened screws tightly.



6. When adjusting the alignment of paper feed side, open the pre-heater cover [A] and secure it with

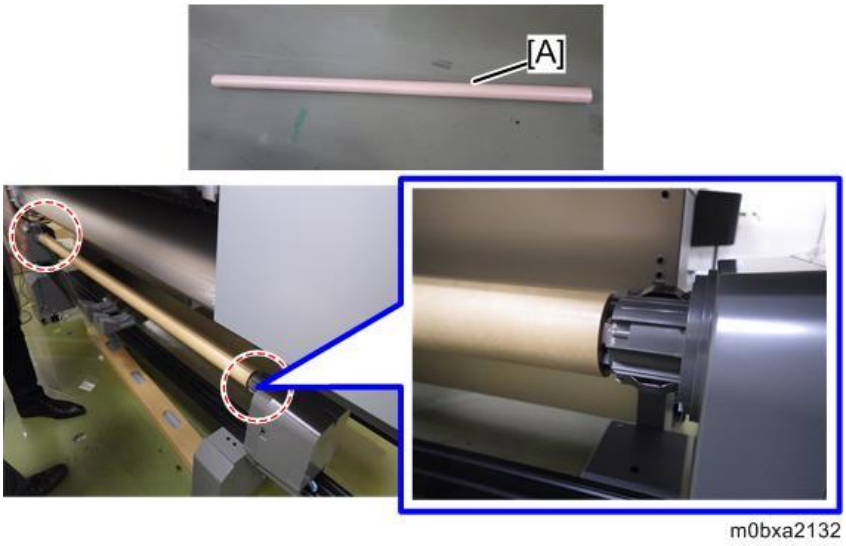
the clamp [B].



m0bxa2131

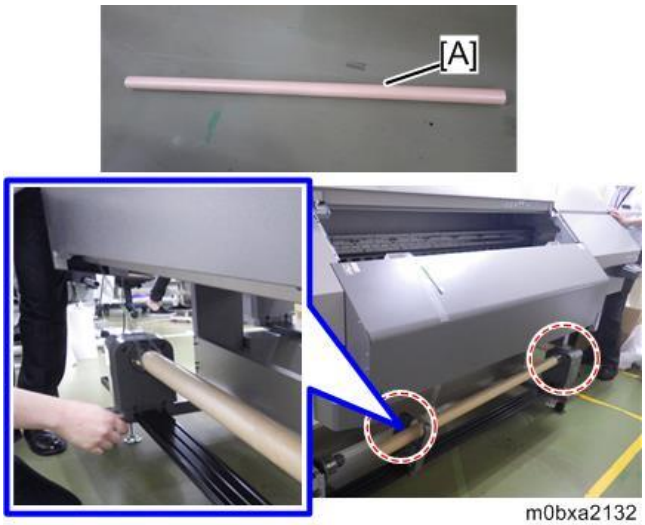
7. Set the roll core [A] to the holder.

- Paper feed side



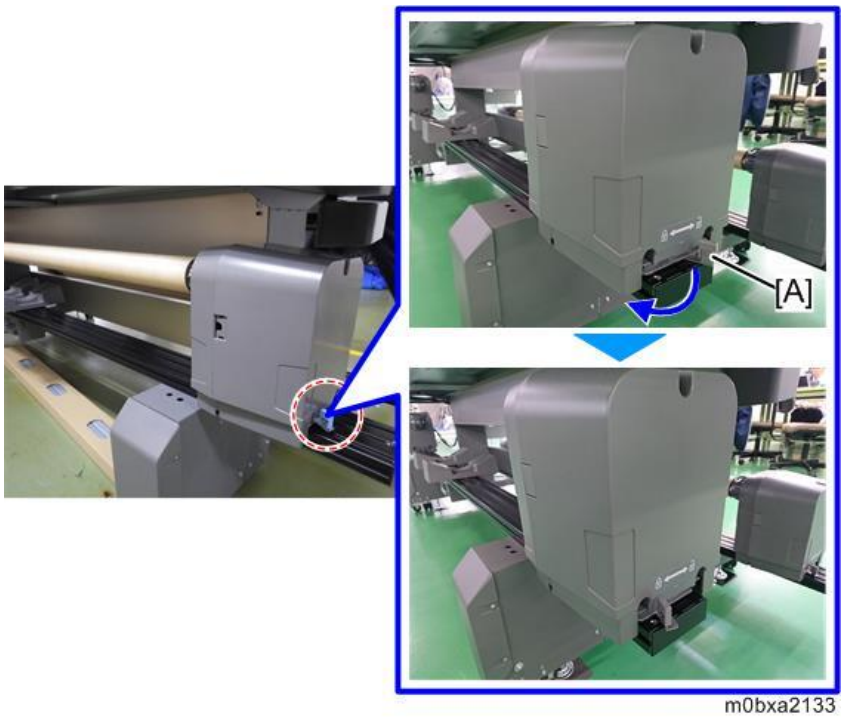
m0bxa2132

- Roll-up side



m0bxa2132

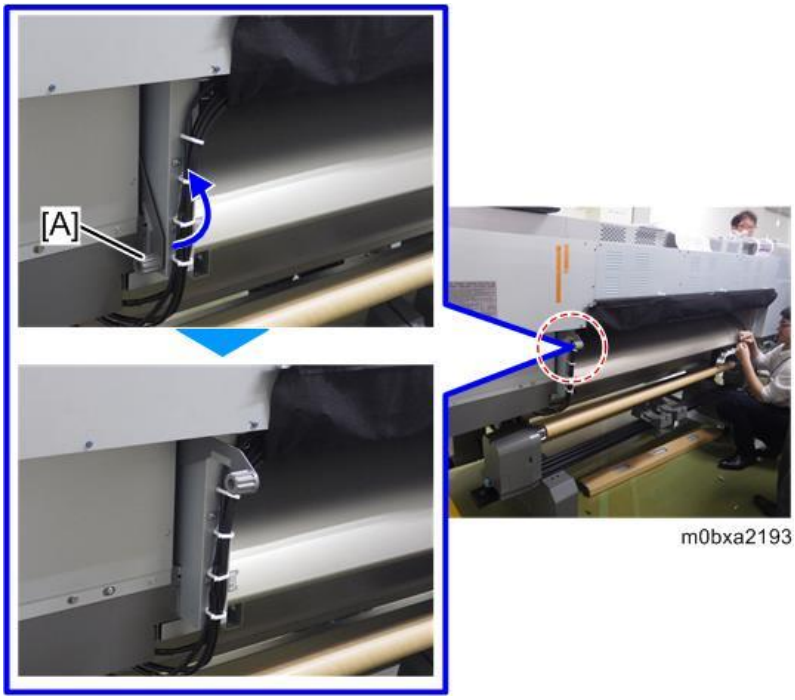
8. Lock the holding lever [A] of the roll holder.



m0bxa2133

9. If the media holding lever [A] is lowered, raise the lever.

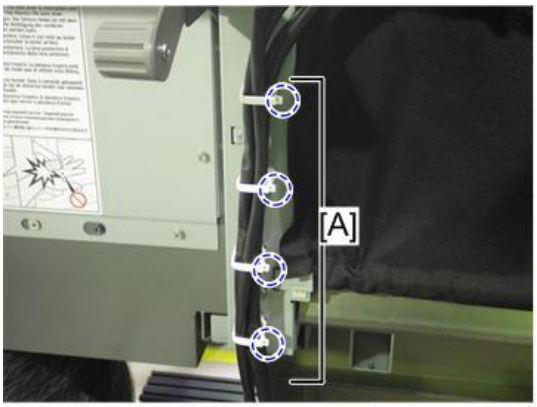
- Paper feed side



m0bxa2193

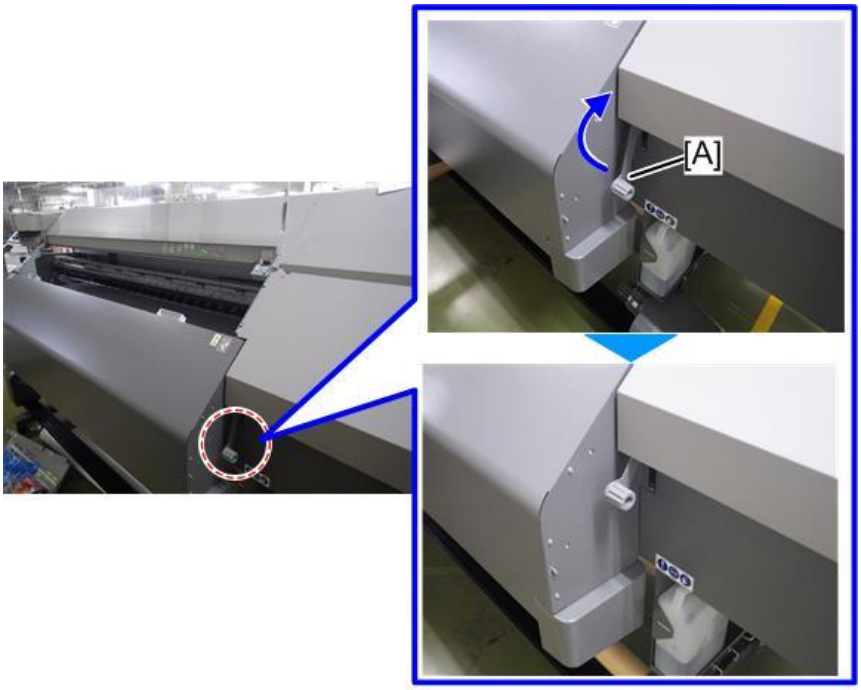
Note

Make sure that the snap-fits [A] of the clamps face inside of the machine.



m0bxa2259

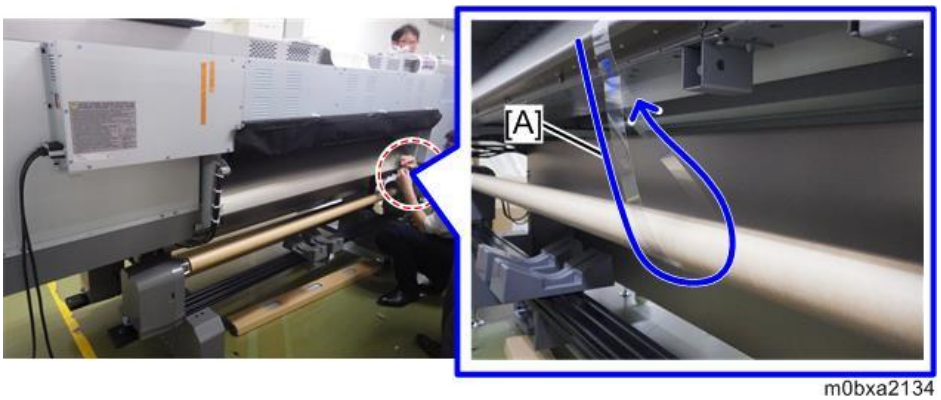
- Roll-up side



m0bxa2194

10. Wind the provided film tape around the right edge of the roll core.

- Paper feed side



m0bxa2134

- Roll-up side

  Pass the film tape from right side of the platen, and then wind the film tape around the roll core.

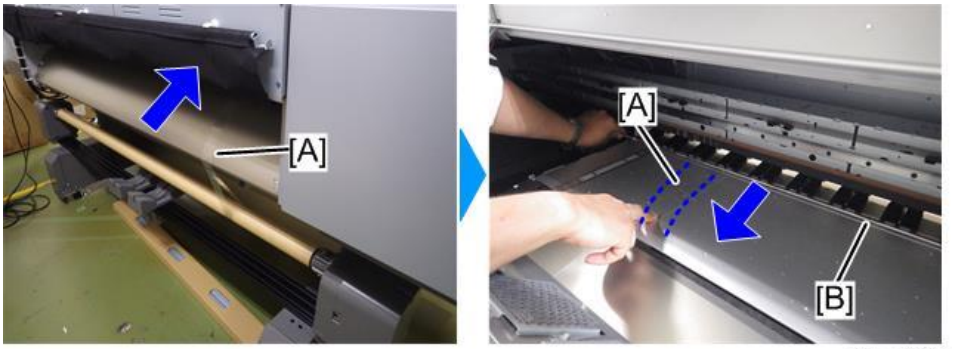


m0bxa2145

11. Pass the film tape [A] under the registration roller [B].

- Paper feed side

  Pass the film tape [A] under the registration roller [B], and then pull it out over the platen.



m0bxa2135

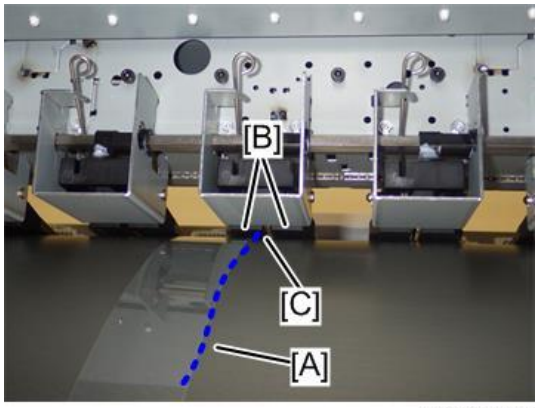
- Roll-up side

  Pass the film tape [A] under the registration roller [B] and pull it out from the paper feed side.



m0bxa2192

12. Set an edge [A] of the film tape to the position [C] between the two registration idle rollers [B].

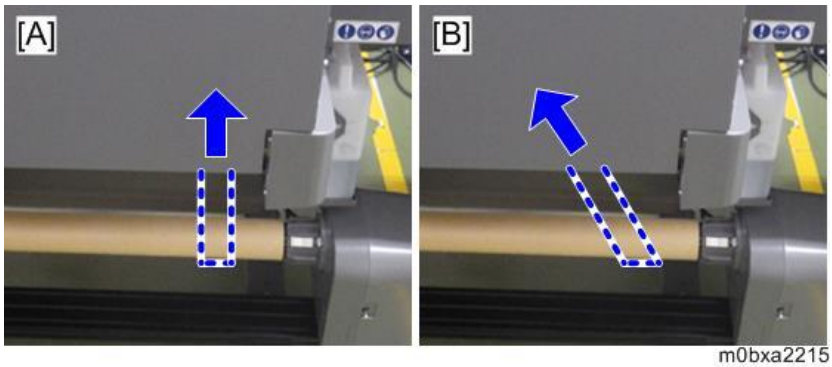


m0bxa2136

13. Move the film tape so that it is vertical to the roll core.

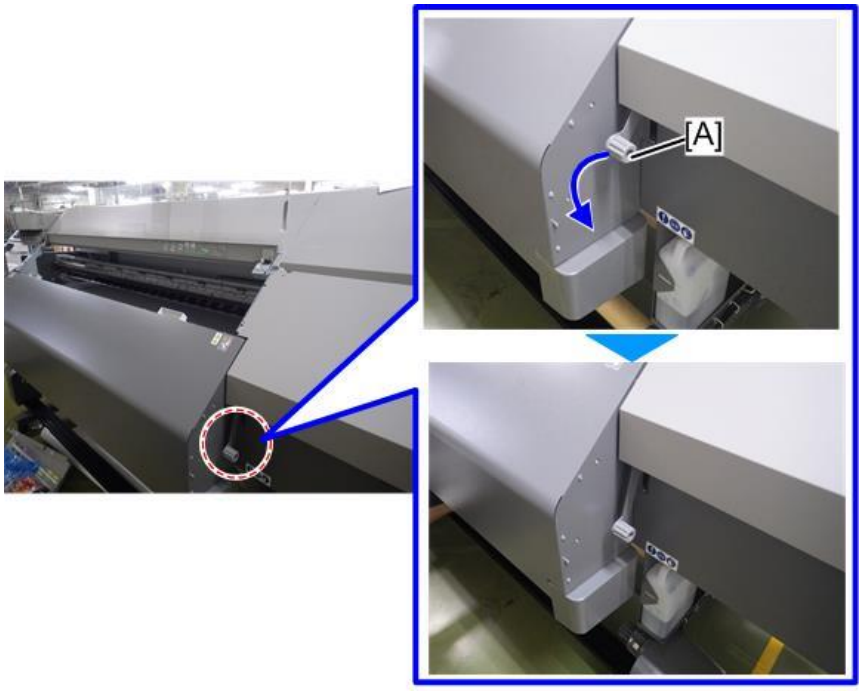
[A]: Good (Vertical to the roll core)

[B]: Not Good (Not vertical to the roll core)



m0bxa2215

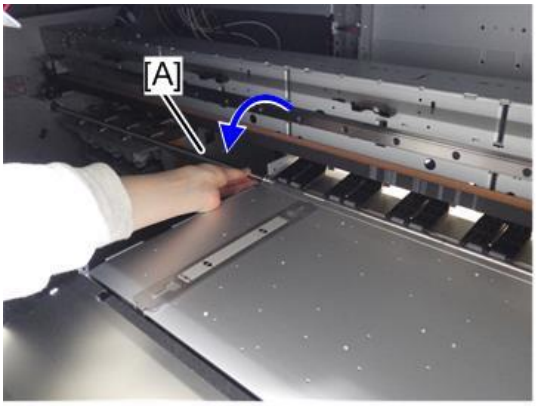
14. Lower the media holding lever [A] of the front side of the main unit to fix the film tape so that it is parallel to the platen.



m0bxa2196

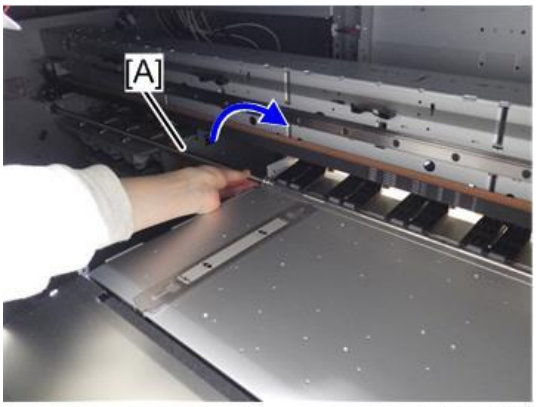
15. Rotate the registration roller [A] by holding the edge of the roller to scratch the film tape.

- Paper feed side



m0bxa2137

- Roll-up side

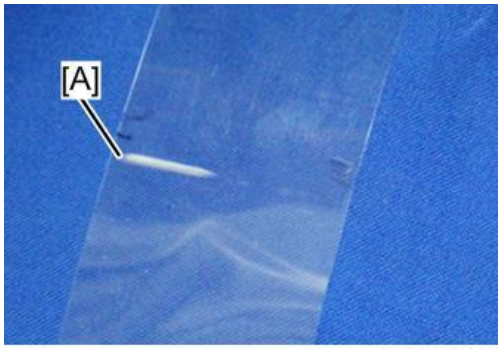


m0bxa2191

Note

When the registration roller is rotated, the registration idle roller scratches the film tape.

16. Confirm that there is a scratch [A] on the film tape.



m0bxa2138

17. Raise the media holding lever.

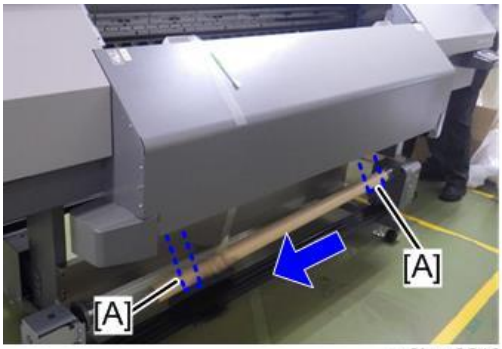
18. Slide the film tape [A] to the left side of the roll core.

- Paper feed side



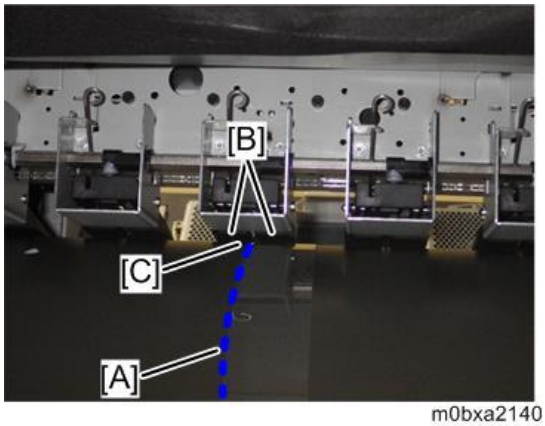
m0bxa2139

- Roll-up side



m0bxa2218

19. Set the edge [A] of the non-scratched side of the film tape to the position [C] between the two registration idle rollers [B].

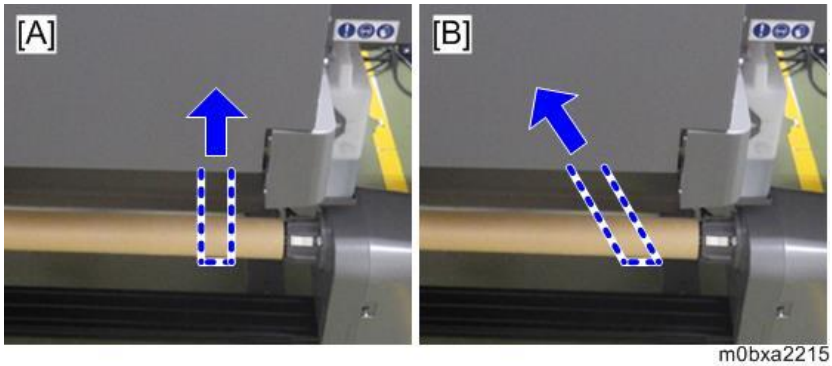


m0bxa2140

20. Move the film tape so that it is vertical to the roll core.

[A]: Good (Vertical to the roll core)

[B]: Not Good (Not vertical to the roll core)

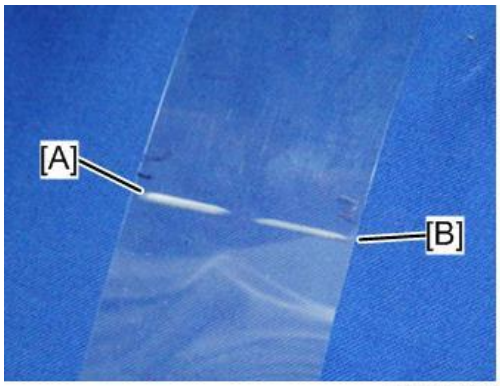


m0bxa2215

21. Lower the media holding lever.

22. Rotate the registration roller by holding the edge of the roller to scratch the film tape.

23. Measure the height difference of the left scratch [A] and the right scratch [B] with a scale.

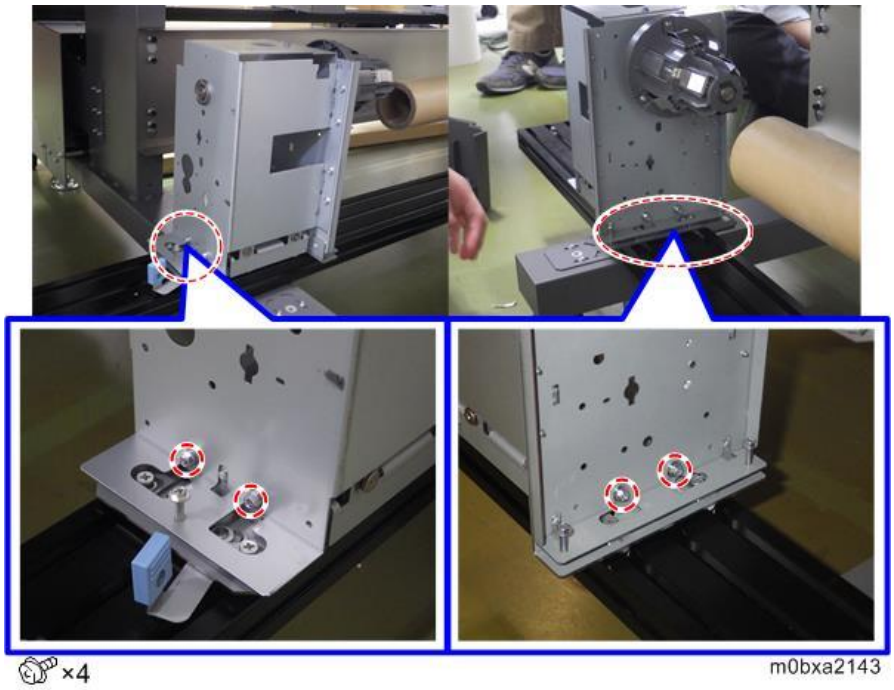


m0bxa2141

Note

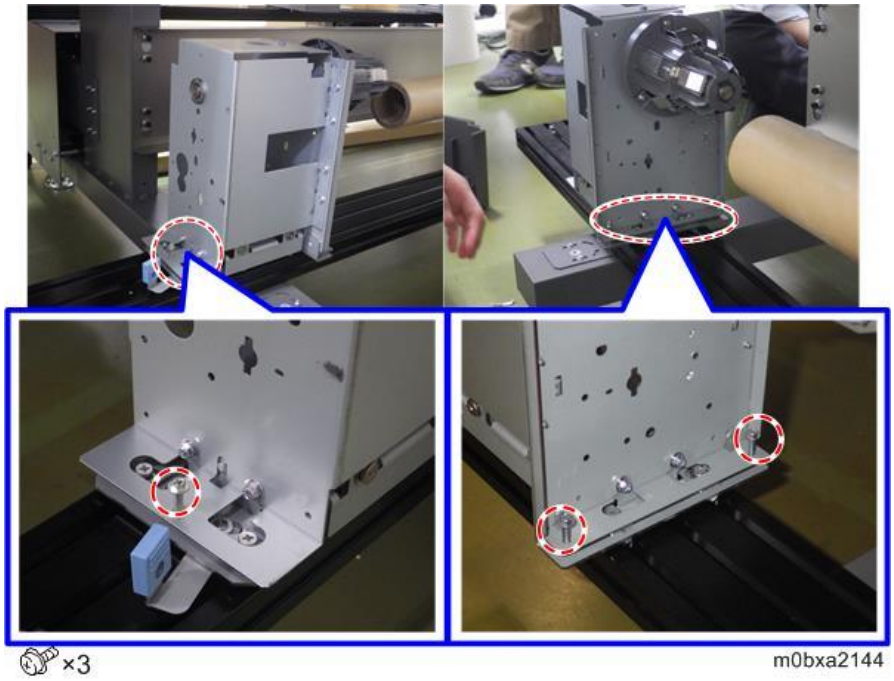
- If the height distance is within 1 mm (approx. 0.039 inch), adjustment is not required (there is no need to do procedure 24 - 27). Attach the exterior covers of the holder.
- If the height distance is longer than 1 mm (approx. 0.039 inch), adjust the height.
- If the height distance is longer than 1 mm (approx. 0.039 inch), proceed to the next step to adjust the height of the holder. One holder whose a scratch on the film is positioned higher than that of the other holder needs to be raised because the scratch at a higher position on the film tape means that the path is longer and its holder is lower.

24. Loosen the screws of the holder which needs to be adjusted (the holder which has the higher scratch).

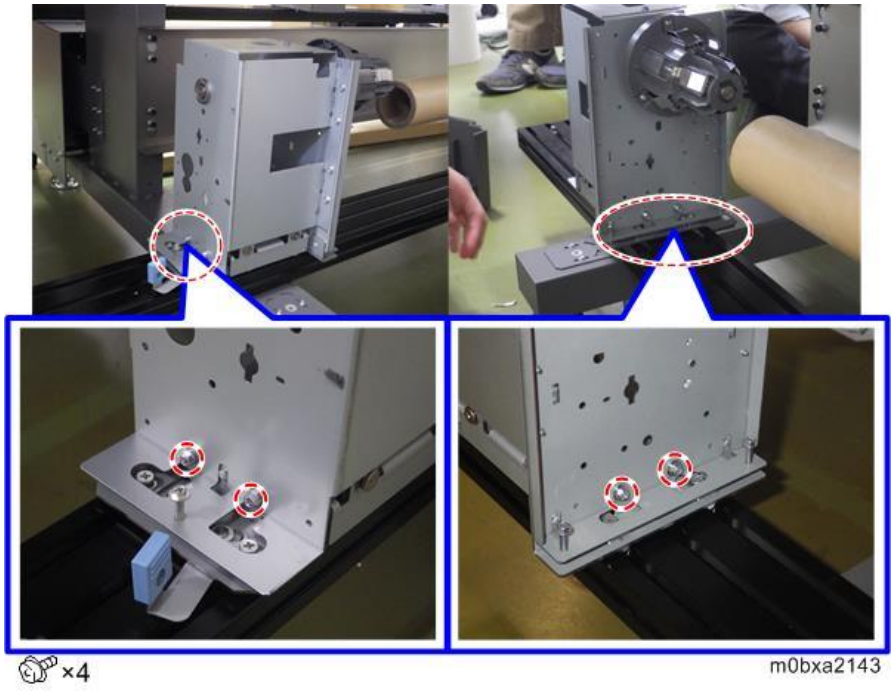


m0bxa2143

25. Rotate the three adjustment screws evenly to adjust the height. A turn clockwise raises the holder by 0.7 mm (approx. 0.028 inch).
Check the deviation between the metal plates with a scale and adjust it to be within 1 mm (approx. 0.039 inch).



26. After adjusting the height, tighten the loosened screws tightly.



27. Scratch the left and right edge of the film tape again, Confirm that the height difference of the left scratch and the right scratch is 1 mm or less (approx. 0.039 inch or less).

28. Reattach the exterior covers of the holder.

Measuring the Head Height and the Jam Detection Feeler Height

Measuring the Head Height

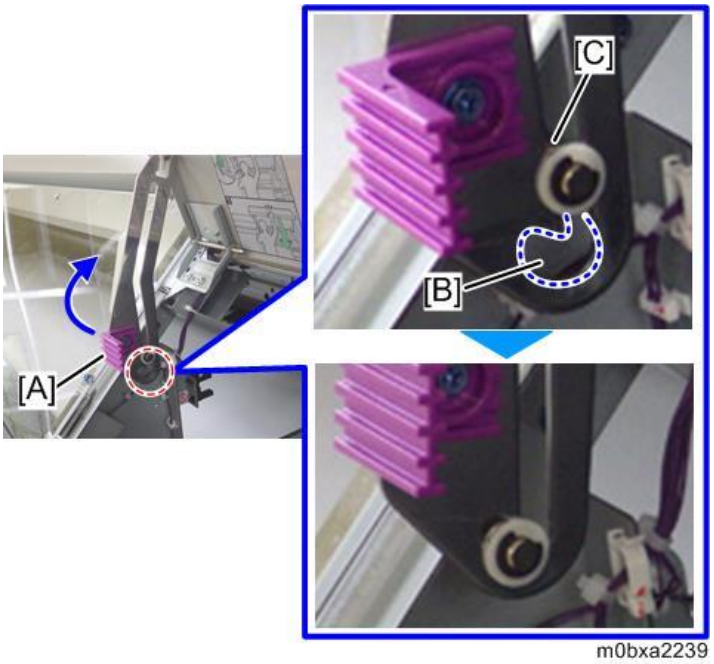
1. Open the right front cover [A].



m0bxa2048

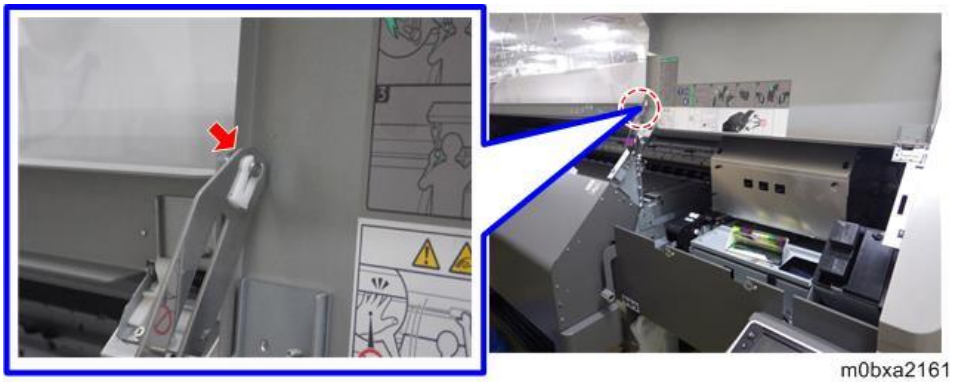
Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



m0bxa2239

2. Remove the clip of the right front cover.

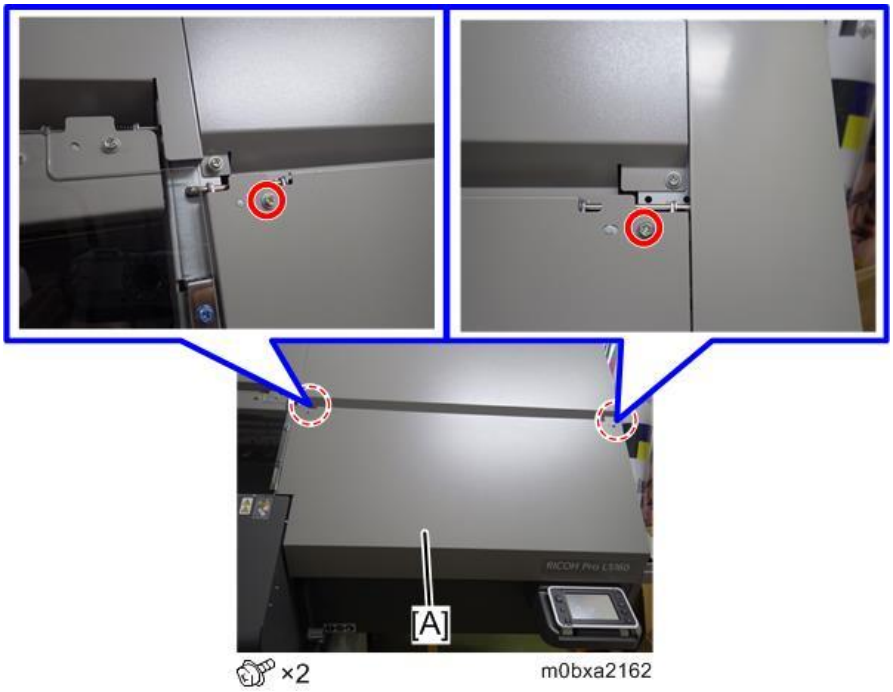


m0bxa2161

×1

3. Close the right front cover.

4. Remove the right front cover [A].

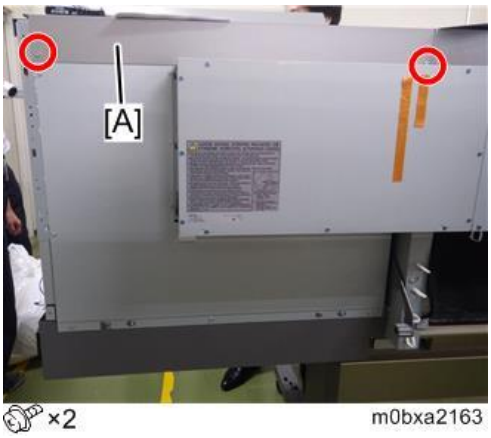


5. Remove the right upper cover [A].

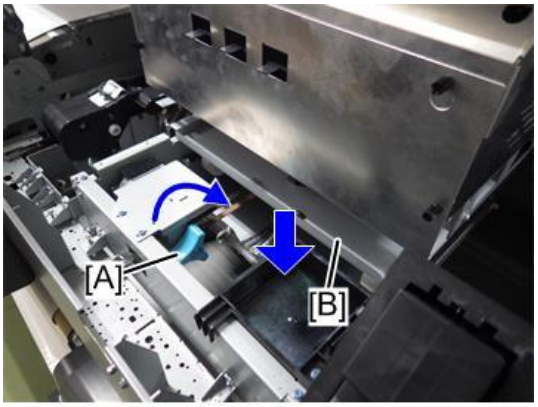
- Front side, Upper side



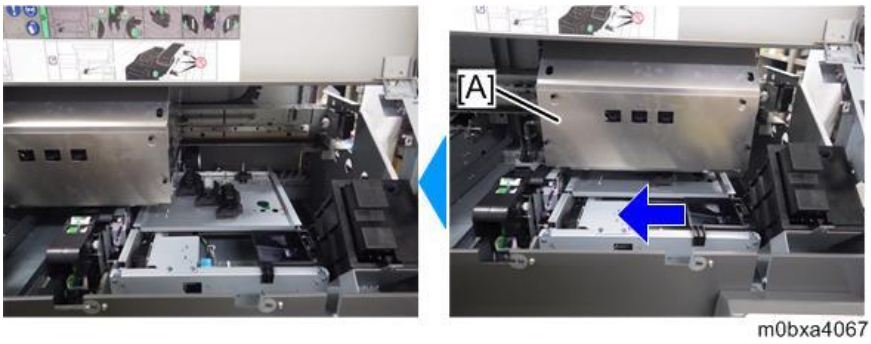
- Rear side



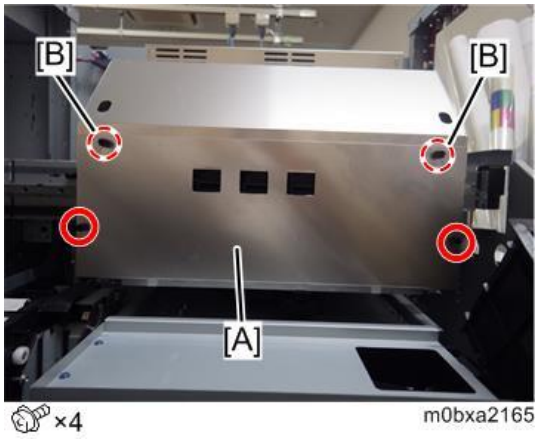
6. Turn the handle [A] to lower the cap unit [B].
(Change the state of decap)



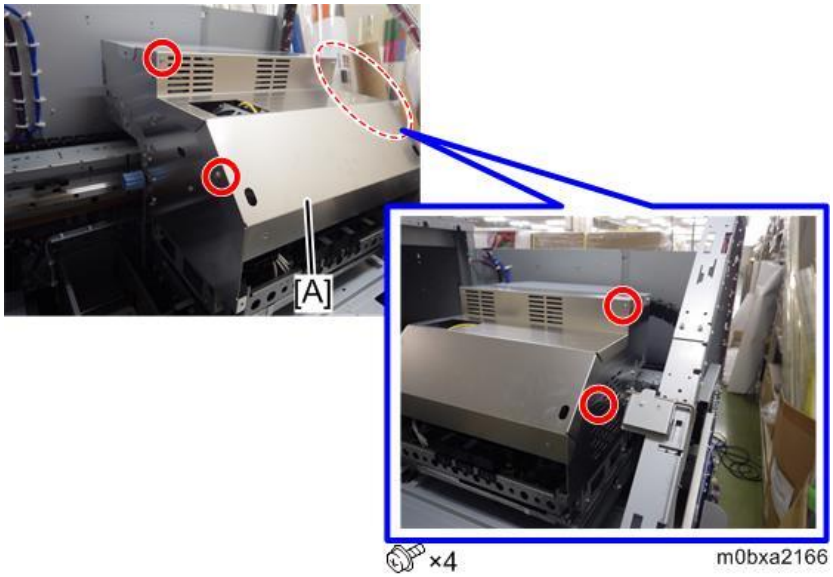
7. Move away the carriage [A] to the center of the main machine.



8. Remove the carriage front lower cover [A].
When removing the carriage front cover, loosen the screws [B].

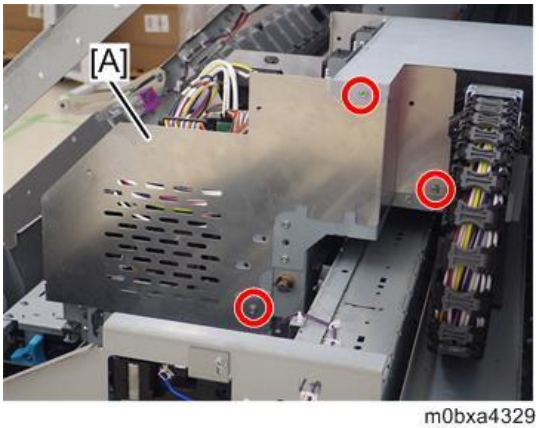


9. Remove the carriage front cover [A].

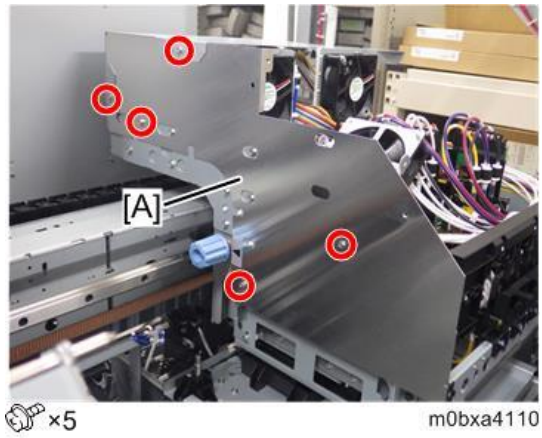


10. Remove the carriage covers [A] at the left and right side.

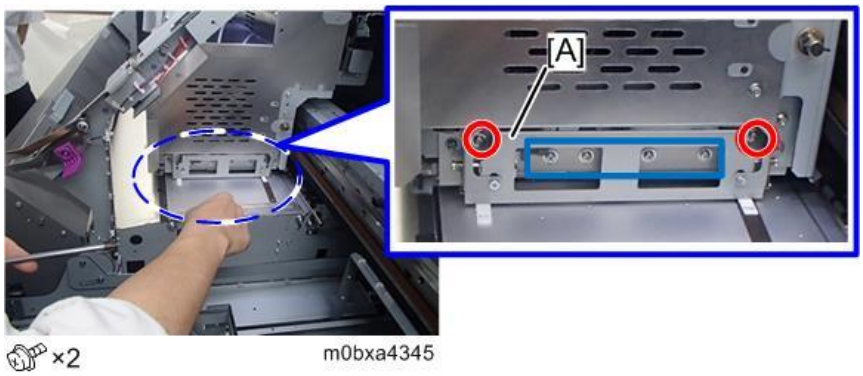
- Right side



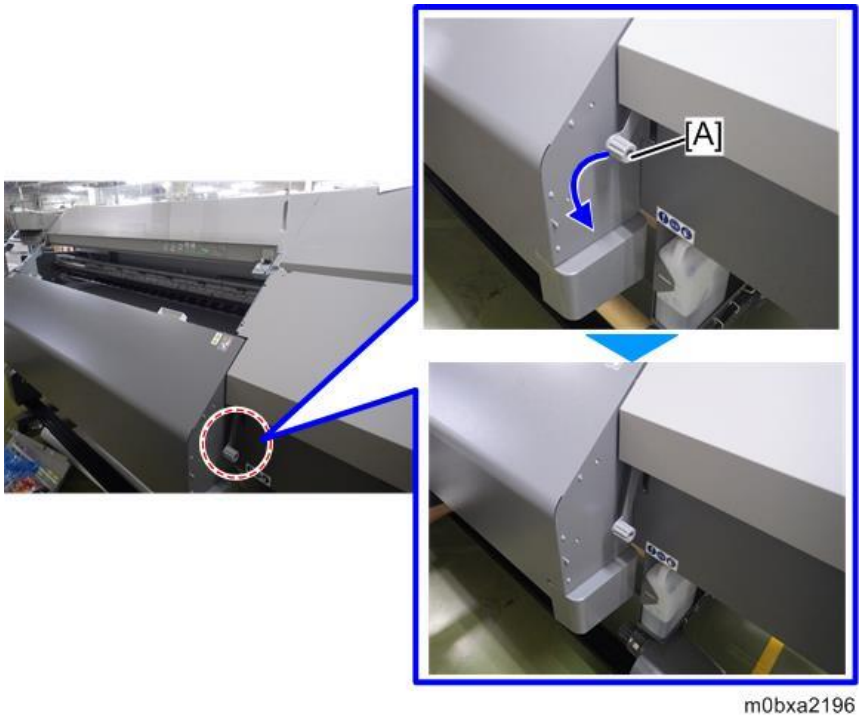
- Left side



11. Loosen the two screws, and then move the left and right jam detection feelers to the highest position.



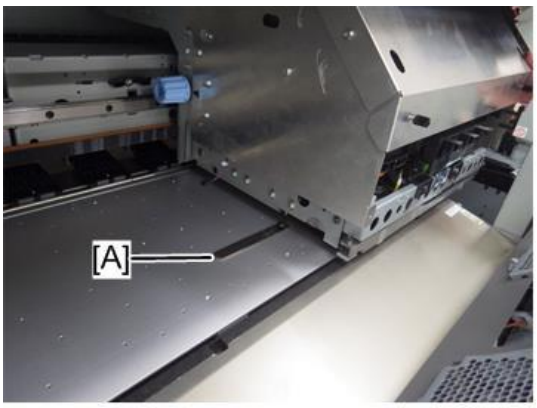
12. If the media holding lever is raised, lower it.



13. Measure the distance between the platen and the surface of each head nozzle at the three points of the platen (right edge, middle, left edge) by the gap gauge to make sure that they are within the

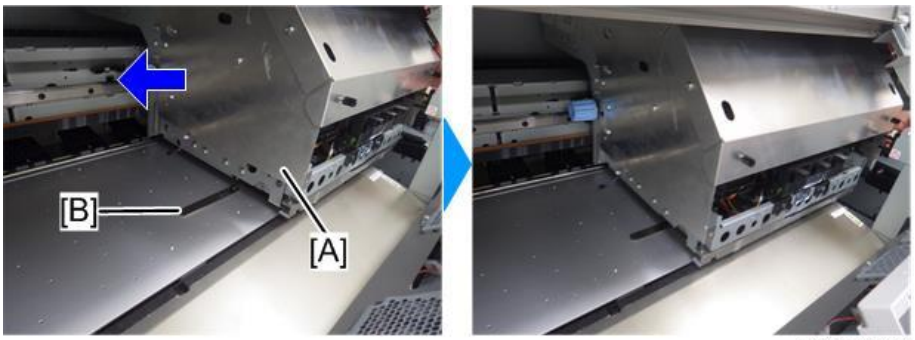
extent of 1.8 ± 0.2 mm (approx. 0.071 ± 0.008 inch).

1. Put the gap gauge (1.8 mm (approx. 0.071 inch)) [A] on the platen.



m0bxa4311

2. Move the carriage to the center of the platen to pass the carriage above the gap gauge.



m0bxa4312

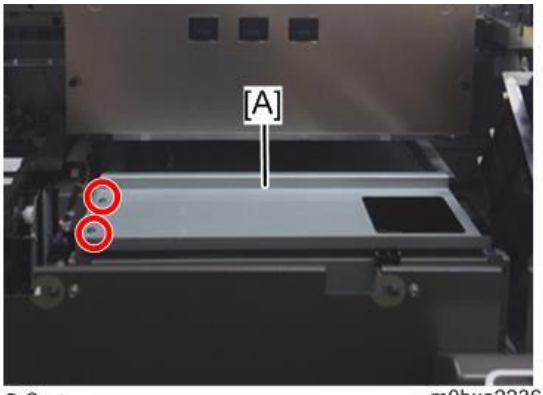
3. Check if the gap gauge is out of position.
4. Place the gap gauge (1.9 mm (approx. 0.075 inch)), and slide the carriage. Make sure that the gauge is shifted from the original position.

14. If the value is not within the extent of the reference value (1.8±0.2 mm (approx. 0.071 ± 0.008 inch)), perform Print Head Height Adjustment.

15. Attach the left and right jam detection feelers.

16. Attach the left and right carriage covers.

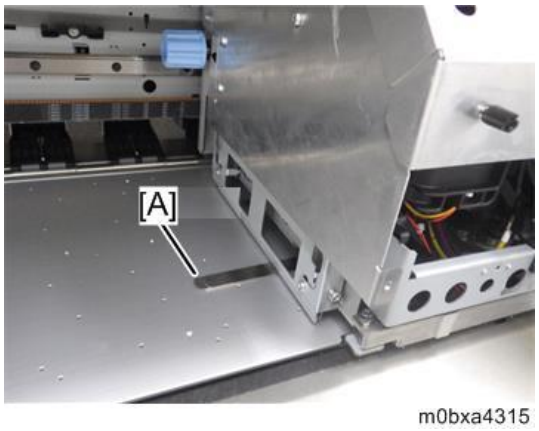
17. Reattach the ink receiving port upper cover [A].



×2 m0bxa2236

Measuring the Jam Detection Feeler Height

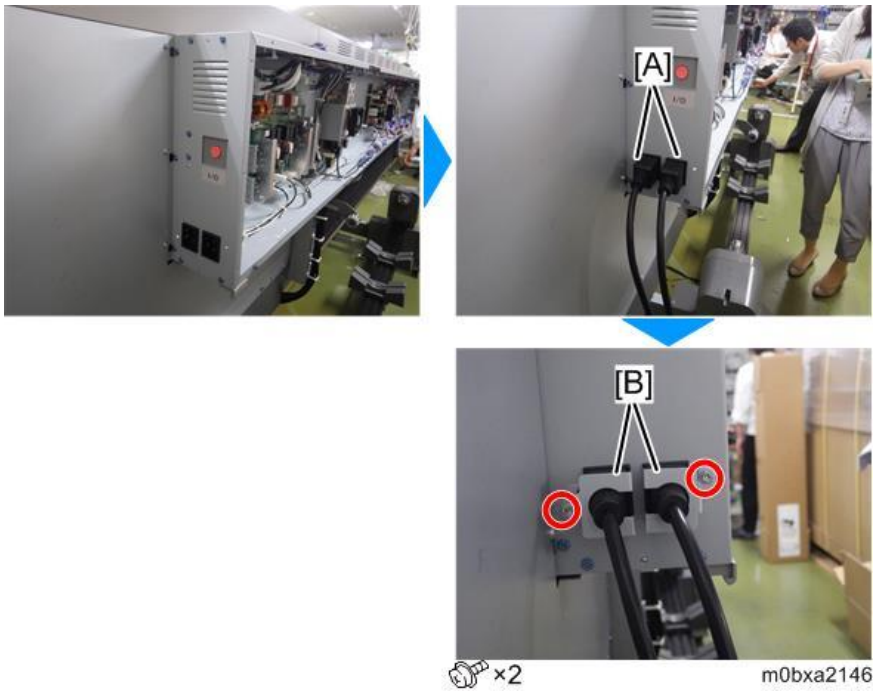
1. Put the gap gauge (1.6 mm (approx. 0.063 inch)) [A] on the platen, pass the carriage above the gap gauge, and then check if the gap gauge is out of position.



2. If the gap gauge is moved, perform Jam Detection Feeler Height Adjustment.

Installing the Power Cord and its Bracket

1. Attach the two power cords [A] to the main unit and fix them with the brackets [B]. (TAPPING SCREW:4X8)



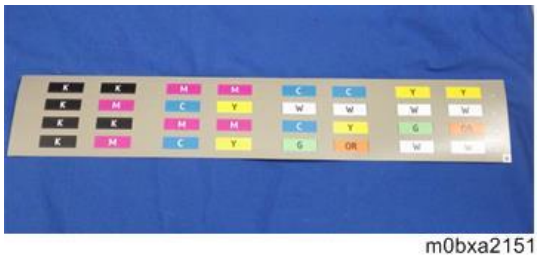
Attaching the Ink Cartridge Decal

The ink combinations that can be used with this machine are as follows:

- 4C: Cyan, magenta, yellow, and black ink cartridges X2 of each
- 4C+W: Cyan, magenta, yellow, and black ink cartridges X1, and white ink cartridges X4

Set the ink cartridges in order from the left side of the machine. Attach the ink cartridge decal on the

machine according to the model type shown below.



m0bxa2151

Model type	Ink configuration							
4C	K	K	M	M	C	C	Y	Y
4C+W	K	M	C	Y	W	W	W	W

1. Attach the decal [B] so that its lower edges align with the cutouts [A] of the main unit.



m0bxa2152

Setting the Ink Cartridges to the Machine and the Flow of Initial Filling

The Flow of Initial Filling

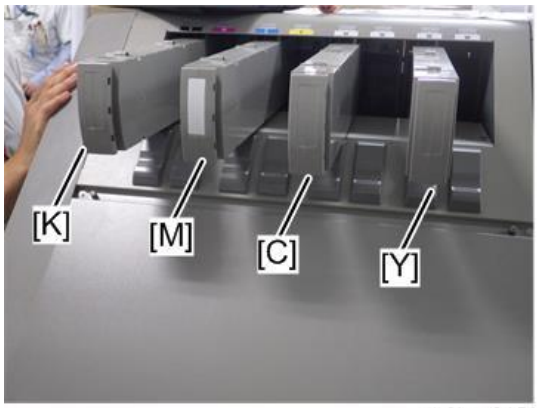
No.	
1	Set 4C cartridges, a flushing cartridge, a web cartridge, and then turn the power on.

No.	
2	Empty the waste ink bottle.
3	Set the waste ink count to 0. (SP7-962-012)
4	Fill the cleaning liquid. (SP2-012-006) To execute the SP, select "1".
5	Set initial operation setting value to 1. (SP2-012-001)
6	Remove the cartridge.
7	Set the jig used for discharging liquid, and then close the cartridge lock.
8	Discharge the filling liquid. (SP2-012-002) To execute the SP, select "7" for all heads.
9	Remove the jig used for discharging liquid.
10	Insert the ink cartridges.
11	Fill the liquid. (SP2-012-003) To execute the SP, select "7" for all heads.
12	Rewrite the air purge flag. (SP2-012-004) To execute the SP, select "7" for all heads.
13	Open the front cover, open the air purge port of H1, set the tray, and then close the front cover.
14	Perform air purge for H1. (SP2-012-005) To execute the SP, select "1" for head 1.
15	Open the front cover, close the air purge port of H1, remove the tray, and then close the front cover.
16	Perform head cleaning for H1. (SP2-010-001) To execute the SP, select "1" for head 1.
17	Open the front cover, open the air purge port of H2, set the tray, and then close the front cover.
18	Perform air purge for H2. (SP2-012-005) To execute the SP, select "2" for head 2.
19	Open the front cover, close the air purge port of H2, remove the tray, and then close the front cover.
20	Perform head cleaning for H2. (SP2-010-001) To execute the SP, select "2" for head 2.
21	Open the front cover, open the air purge port of H3, set the tray, and then close the front cover.
22	Perform air purge for H3. (SP2-012-005) To execute the SP, select "4" for head 3.
23	Open the front cover, close the air purge port of H3, remove the tray, and then close the front cover.
24	Perform head cleaning for H3. (SP2-010-001) To execute the SP, select "4" for head 3.

Note

When you cannot perform this procedure normally, refer to "Troubleshooting Information When Performing Initial Filling and Full Auto Cleaning".

1. Set the four ink cartridges to the main unit as shown below.

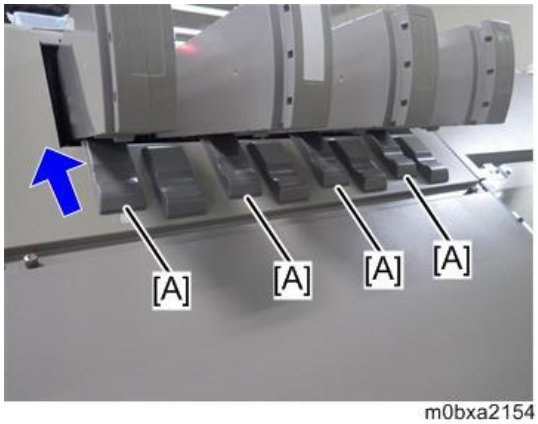


m0bxa2153

Note

- Set the ink colors as the picture shown above for both 4C and 4C+W model.
- The machine is in the state of 4C model with the factory-default setting. If the customers use the machine in the state of 4C+W model, the setting needs to be changed to 4C+W model when installing the machine (Installation for 4C+W Model). In this step, ink cartridges need to be set in the ink configuration for 4C model, because the machine is in the state of 4C model (factory-default setting) when installing the filling liquid.

2. Move the lock lever [A] upward so that the main unit recognizes the ink cartridges.

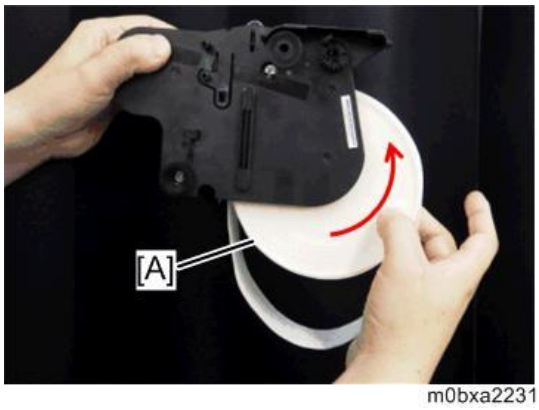


m0bxa2154

Installing the Nozzle Cleaning Cartridge

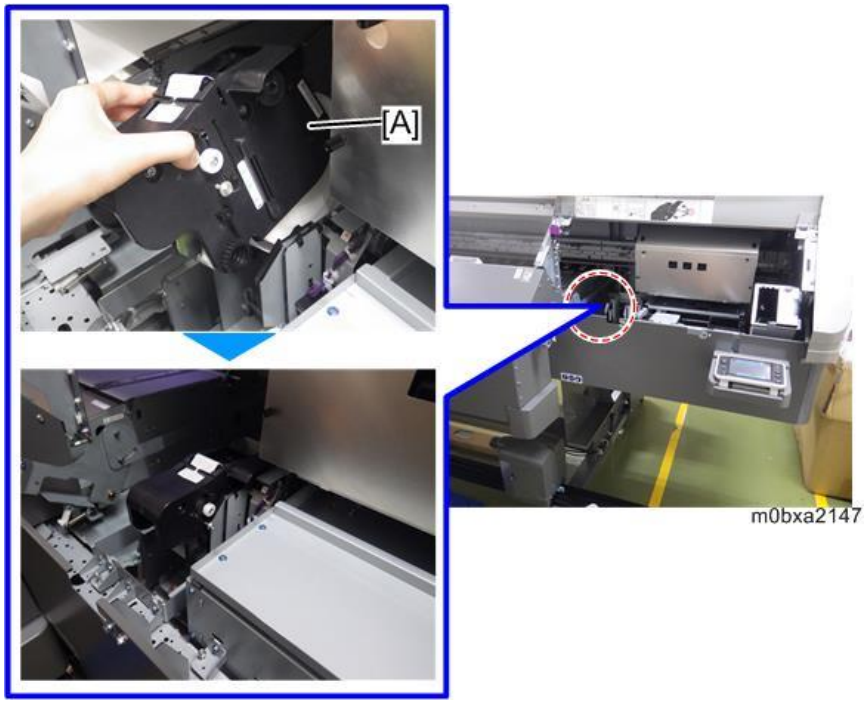
Important

When replacing the nozzle cleaning cartridge, roll up the absorbent roll by rotating it by hand to prevent the absorbent roll from slackening.



m0bxa2231

1. Set the nozzle cleaning cartridge [A].

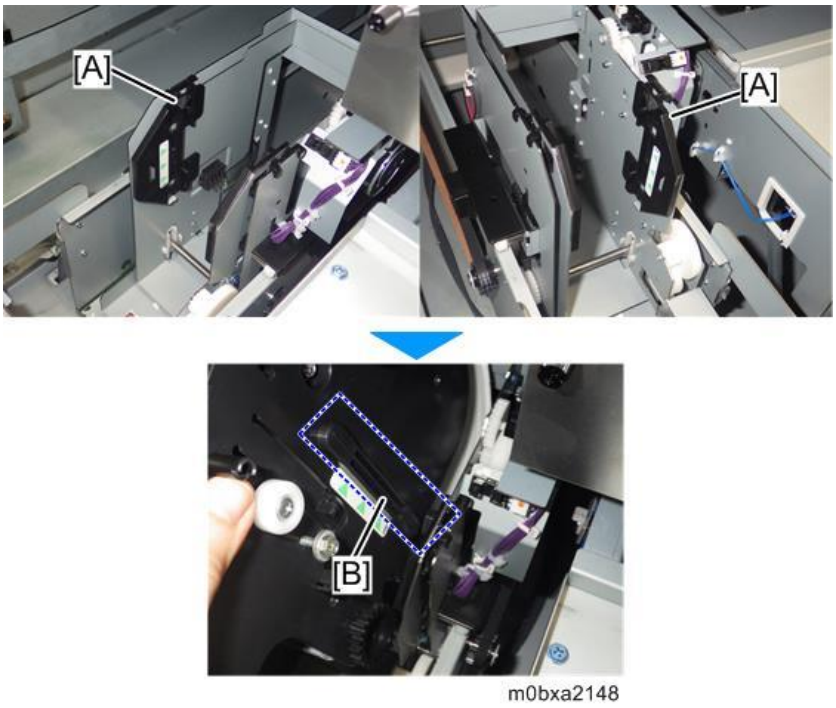


m0bxa2147

Note

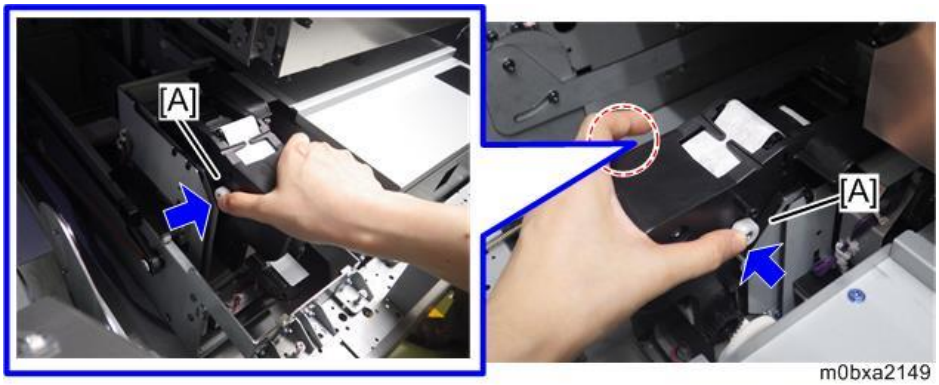
- When setting, insert the projections [A] of the nozzle cleaning cartridge into the grooves

[B].



m0bxa2148

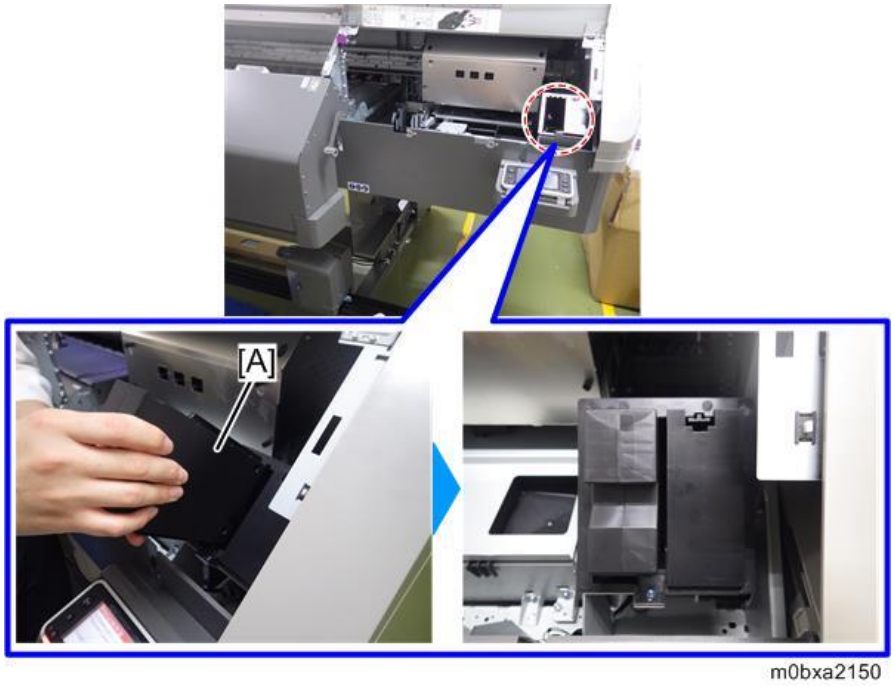
- Push the both side knobs [A] of the nozzle cleaning cartridge while removing.



m0bxa2149

Installing the Flushing Cartridge

1. Set the flushing cartridge [A].



Filling the Cleaning Liquid/ Discharging the Filling Liquid

When the machine is transported from the factory, the filling liquid is filled into the ink supply path.
This section explains how to fill the cleaning liquid for print head and discharge the filling liquid in the ink supplying tube.

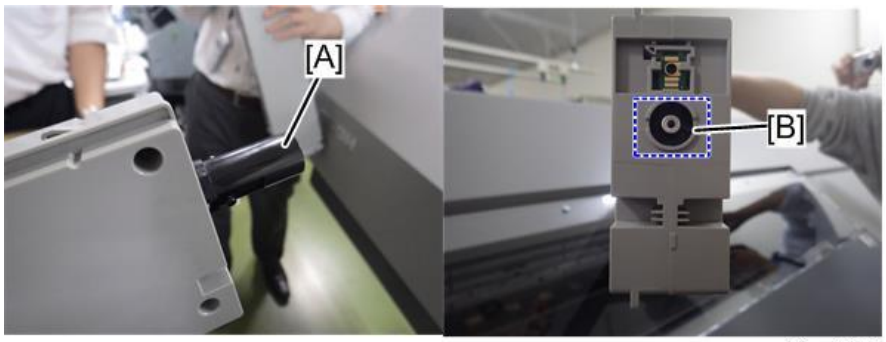
Filling the Cleaning Liquid

1. Turn the main switch on.
2. Set SP2-012-006 (Execute Cleaning Liquid Filling) to 1 to feed the cleaning liquid.

Discharging the Filling Liquid

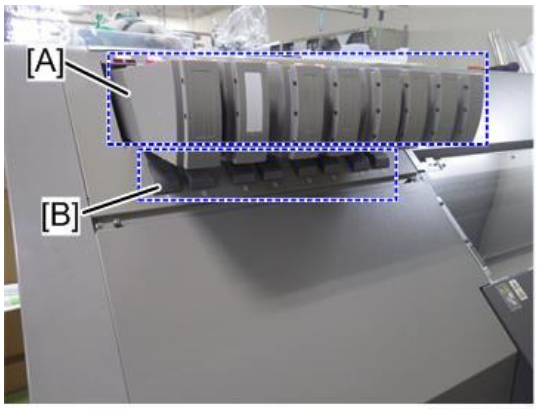
1. Set SP2-012-001(Initial Operation Setting) to 1.
2. Remove the ink cartridges.

3. Attach the ink replacement jigs [A] to the eight ink cartridges [B].



m0bxa2155

4. Set the eight ink cartridges [A] to the main unit and move the lock lever [B] upward.



m0bxa2156

5. Set SP2-012-002 (Execute Filling Liquid Extraction 1) to 7, and then execute it to discharge the cleaning liquid.

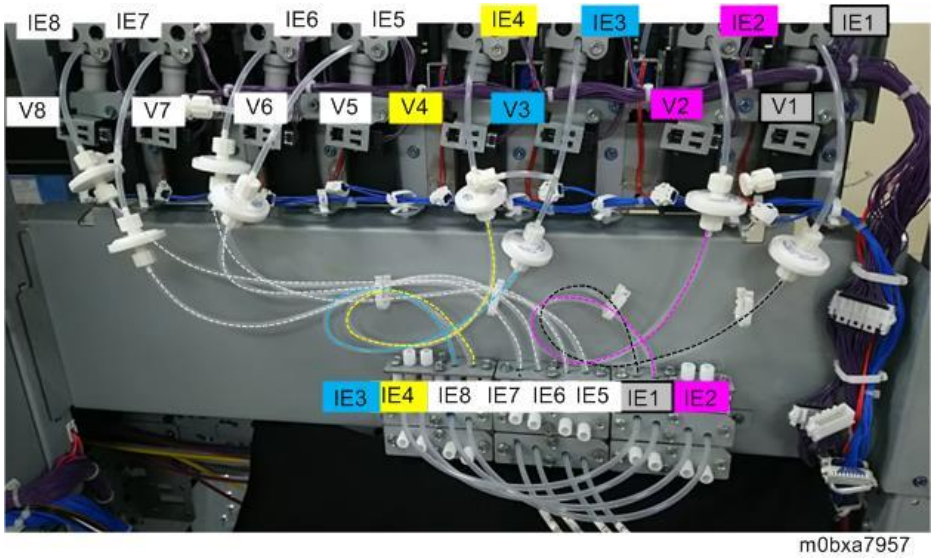
Installation for 4C+W Model

The machine is in the state of 4C model with the factory-default setting. Therefore, if the customers use the machine in the state of 4C+W model, the setting needs to be changed to 4C+W model during installation. This section explains how to change the machine settings for the 4C+W model.
Skip this section when customers use the machine in the state of 4C model, and proceed to Initial Ink Filling.

Changing Color Variation SP

1. Set SP5-882-002 (Machine Information: Ink Set) to 3, and then set the color configuration.
2. Turn the main switch off.

4C+W



V: Solenoid Valve

IE: Ink End Detection

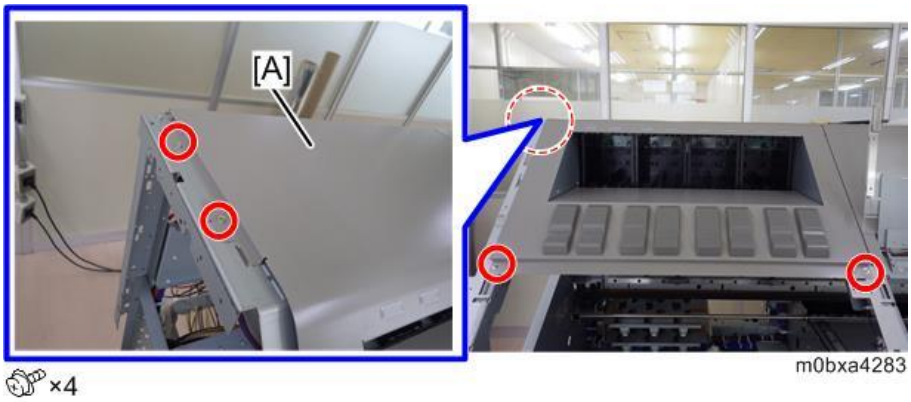
Note

When installing, make sure to insert tubes and stoppers correctly.

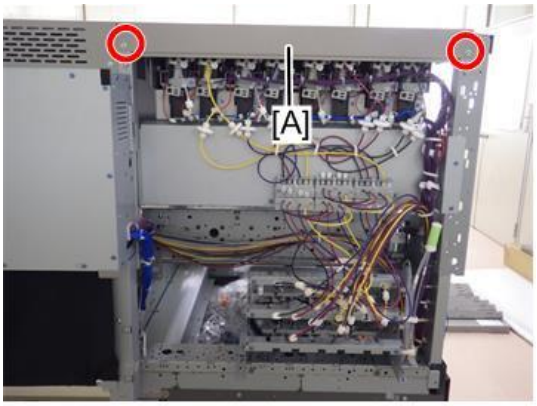
When routing tubes, be careful not to bend the tubes or make scratches on the tubes.

1. Remove the screws from the left upper cover [A].

- Front side, Top

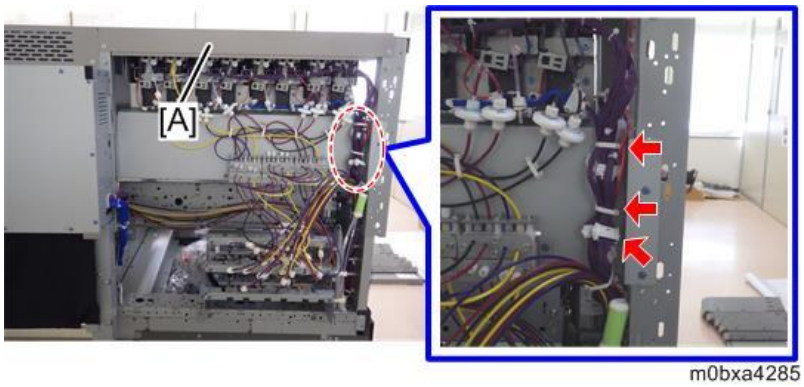


- Rear side



m0bxa4284

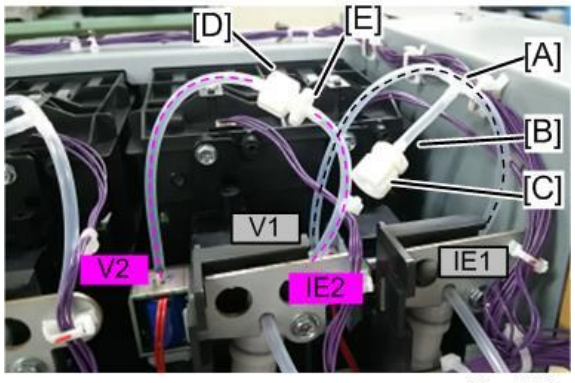
2. Remove the left upper cover [A].



m0bxa4285

3. Prepare the instruction sheet for changing the joints provided with the machine.
4. Attach the sealing materials (MTLLP-2) [C] to the joint [B] branching from the T-shaped joint [A].
5. Connect the joint [D] of the tube extending from the solenoid valve [V2] and the joint [E] of the tube extending from the ink end detection [IE2].

   The picture below shows the solenoid valve V1/V2.



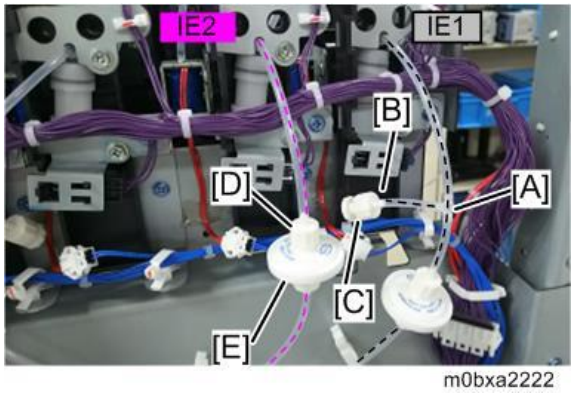
m0bxa2220

Note

Connect tubes of the other solenoid valves (V3/V4, V5/V6, and V7/V8) in the same procedure.

6. Attach the sealing materials (FTLLP-1) [C] to the joint [B] branching from the T-shaped joint [A].
7. Connect the joint [D] of the tube extending from the ink end detection [IE2] and the joint of the filter

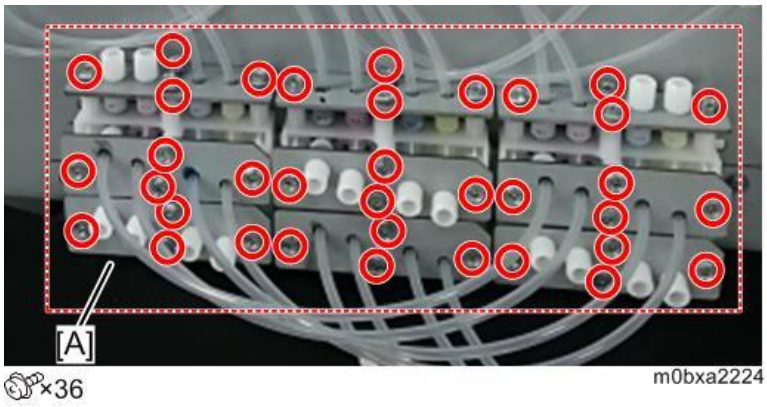
upper side [E].



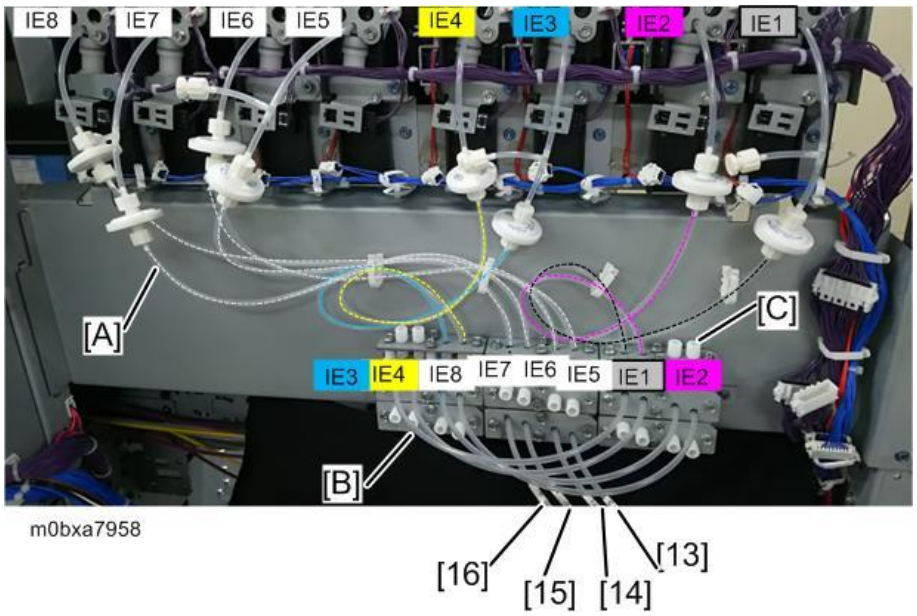
Note

Connect tubes of the other ink end detections (IE3/IE4, IE5/IE6, and IE7/IE8) in the same procedure.

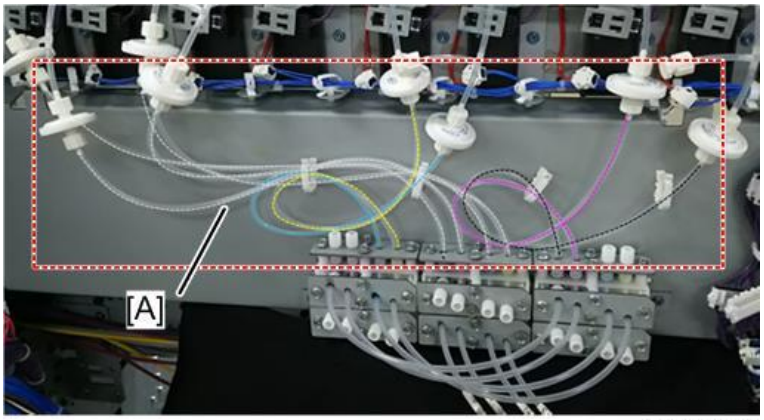
8. Loosen all the screws retaining the joint branch unit [A] by rotating about from one to one and half times with a driver.



9. Connect the eight tubes for solenoid valve [A], the four tubes for joint section [B], the circulation tubes [13] - [16], and the 16 stoppers for joint section [C] as shown below.

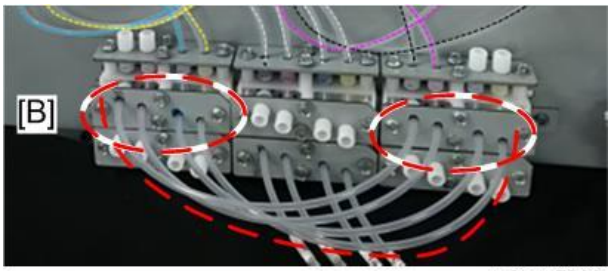


- The eight tubes for solenoid valve [A]



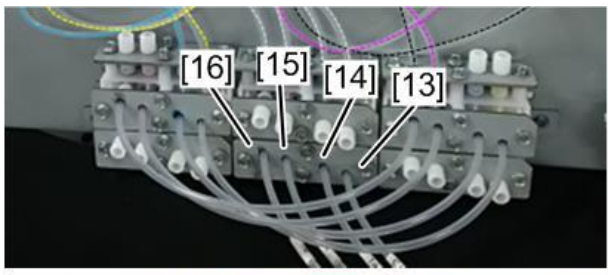
m0bxa7959

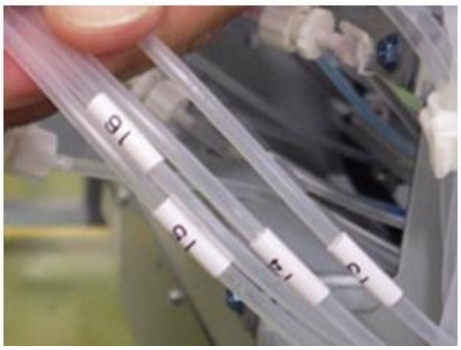
- The four tubes for joint section [B]



m0bxa7960

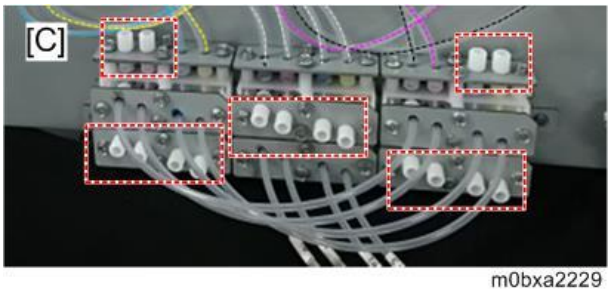
- The circulation tubes [13] - [16]
  The tube number (No.13, 14, 15, 16) is written on each circulation tube. Connect the circulation tubes to the ports according to the number in the picture [B] above.





m0bxa7961

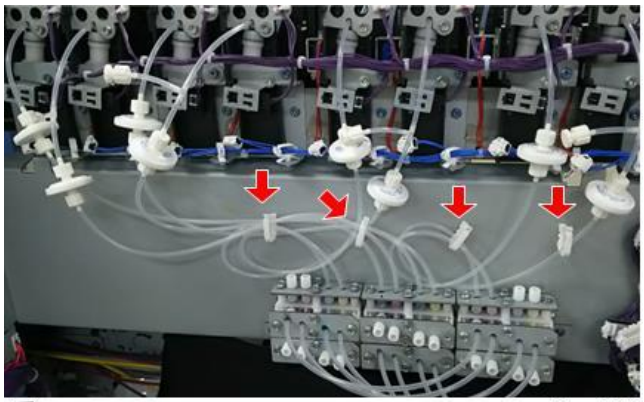
- The 16 stoppers for joint section [C]



m0bxa2229

10. Tighten all the loosen screws in step 6.

11. Fix the tubes.


×4 m0bxa2228

Note

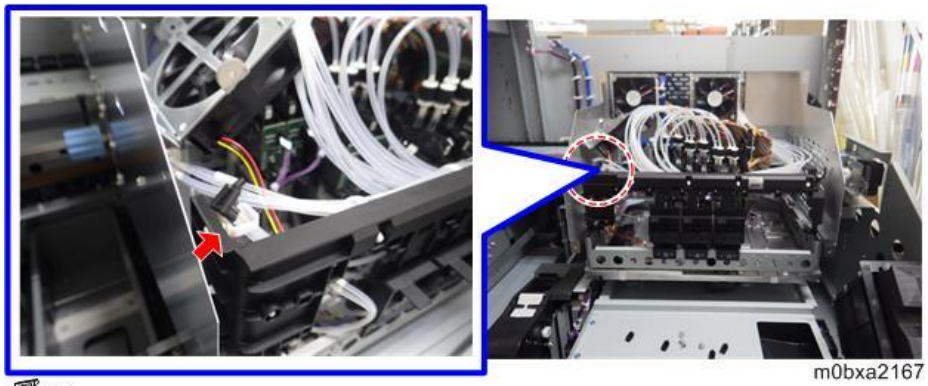
Be careful not to bend the tubes.

12. Attach the left upper cover.

13. Attach the rear left cover.

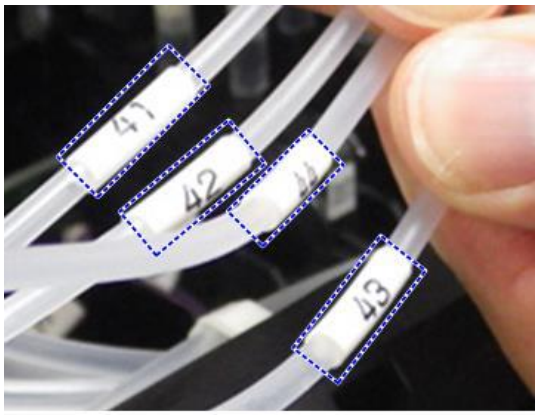
Attaching the Circulation Tubes to Head Tank

1. Release the circulation tubes for white ink from the clamp.


×1 m0bxa2167

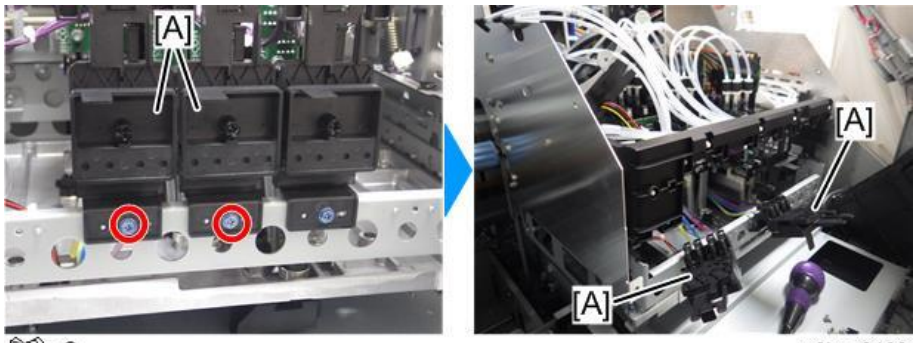
Note

The tube number (No.41, 42, 43, 44) is written on each circulation tube.



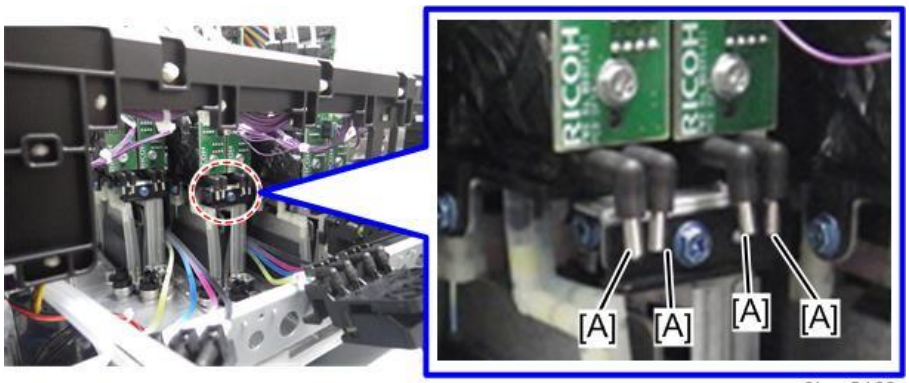
m0bxa2214

2. Remove the port brackets [A] for air purge of head 1 and 2.



m0bxa2168

3. Remove the four rubber stoppers [A] from the circulation ports for head 2.

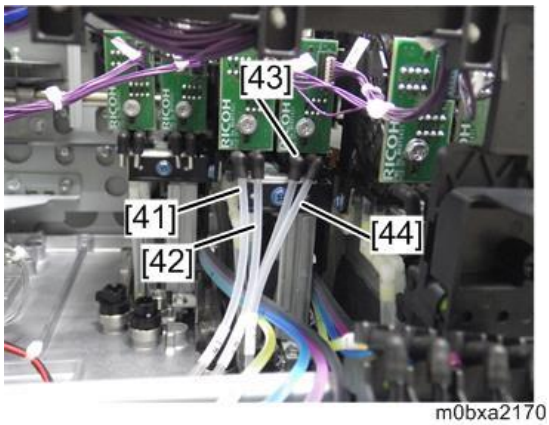


m0bxa2169

Note

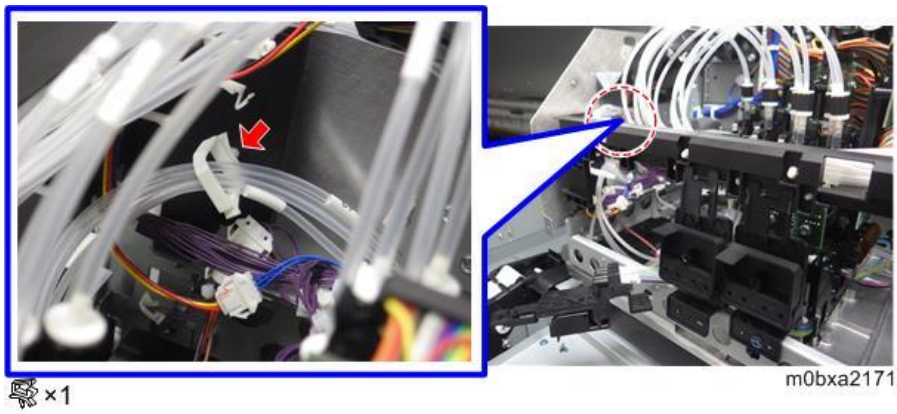
- Ask the customers to store the removed rubber stoppers.

4. Attach the circulation tubes (No.41 to 44) to the circulation ports as shown below.



m0bxa2170

5. Secure the circulation tubes with the clamp.


×1
m0bxa2171

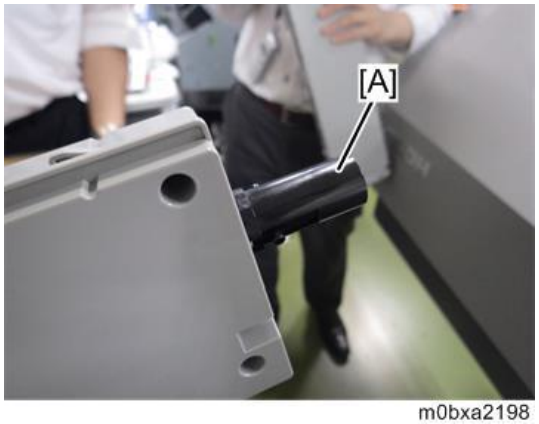
6. Reattach the removed covers.

7. Turn the main power on.

Initial Ink Filling

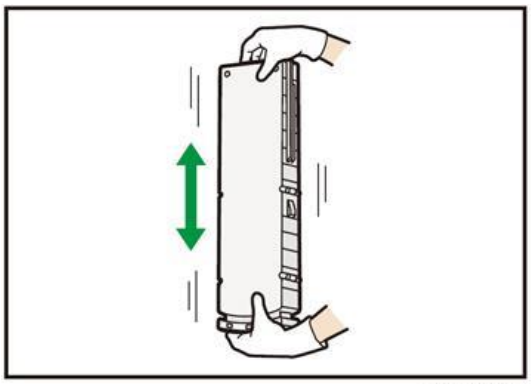
1. Remove the ink cartridges from the main unit.

2. Remove the ink replacement jigs [A] from the ink cartridge.



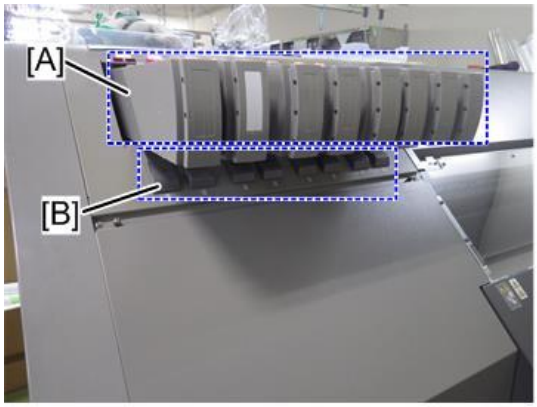
m0bxa2198

3. Shake each ink cartridge up and down strongly more than 40 times.



m0bxa2209

4. Set the eight ink cartridges [A] to the main unit, and then move the lock lever [B] upward.



m0bxa2156

Note

Set the each color ink cartridge to the correct position according to the ink configuration that your customer chooses. Refer to Attaching the Ink Cartridge Decal.

5. Set SP2-012-003 (Execute Ink Filling) to 7, and then execute it to fill the ink into the machine.

Damper Air Purge

This section explains how to discharge unnecessary air inside the damper from the air purge ports of the carriage.

Air purging discharges unnecessary ink and air mixed inside the print heads from the air purge ports of the carriage.

⚠CAUTION

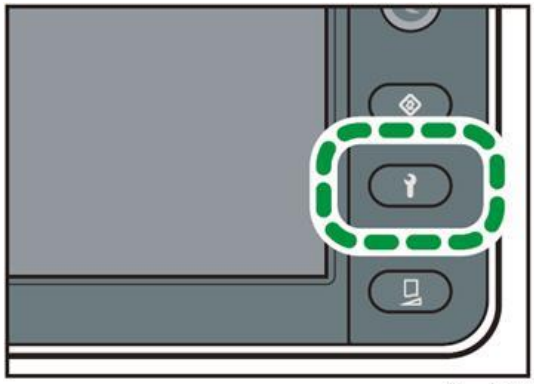
Wear gloves before working.

Important

If the display panel is idle for 10 minutes or more, maintenance work will be canceled, and the panel will return to the home screen. If this occurs, the process will need to be performed again from the beginning.

Do not place any object on the platen as the carriage moves there.

1. Press the [Maintenance] key.



m0bxa2900

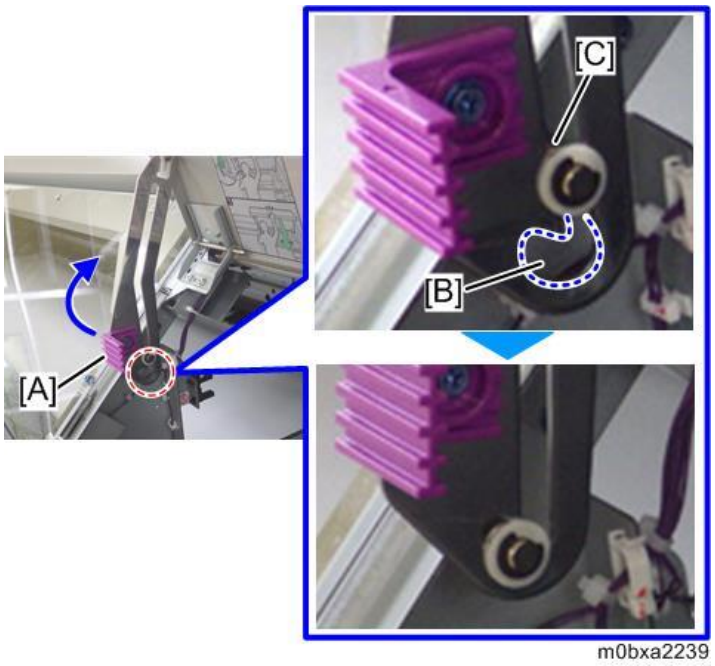
2. Press [▼].
3. Press [Special Maintenance].
4. Press [Air Purge].
5. Select a print head to be performed from [Head 1], [Head 2], or [Head 3].
6. Press [Execute].
7. Confirm a message on the operation panel, and then open the right front cover [A].



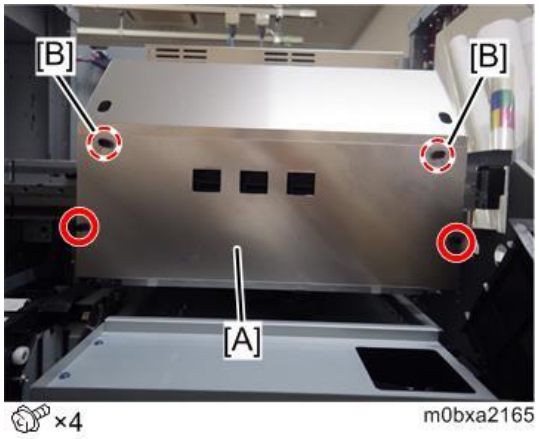
m0bxa2048

Note

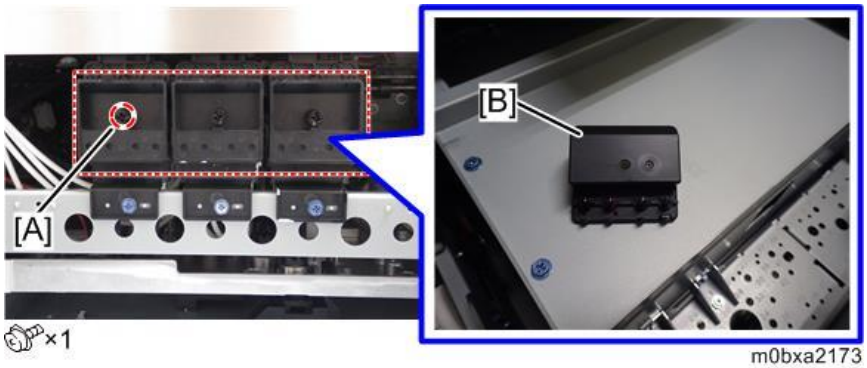
Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



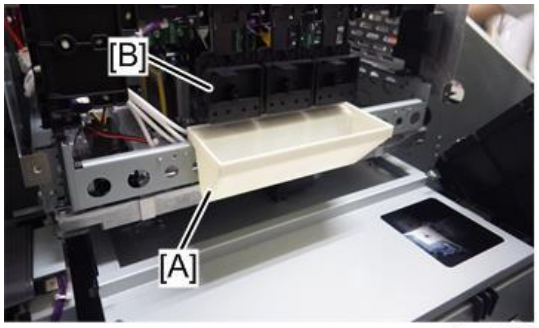
8. Remove carriage front lower cover [A].
When removing the carriage front lower cover, loosen the screws [B].



9. Loosen the screw [A] that secures the port cover of the print head used for air purging, and then remove the port cover [B].



10. Attach the air purge tool [A] under the port [B].
Hook the air purge tool to the edge of the front side of the carriage.



m0bxa2172

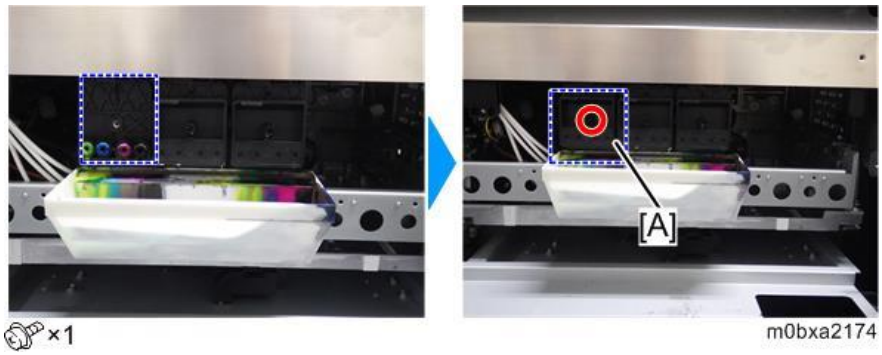
11. Close the right front cover.

12. Press [Execute].
Ink is discharged in the air purge tool. Wait until a completion message appears on the operation panel.

13. Open the right cover.

14. If ink drips from the ports, wipe it off using a dry cloth.

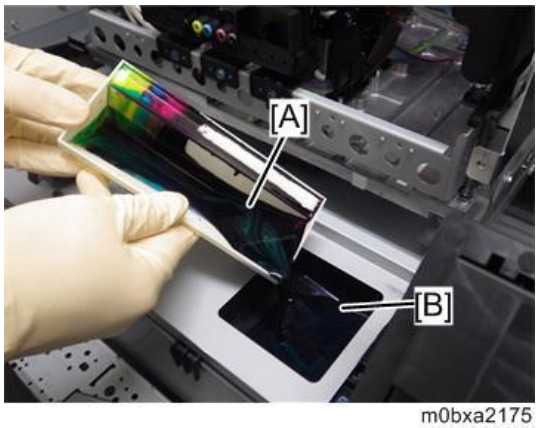
15. Attach the port cover [A], and then secure it with the screw.



m0bxa2174

16. Remove air purge tool from the carriage.
Be careful not to spill ink.

17. Pour the ink [A] from air purge tool into the ink receiver [B].



m0bxa2175

Note

When performing air purge for another print head, pour the discharged ink into the ink receiver every time air purge finishes to prevent the ink from spilling when carriage moves.

18. Reattach the carriage front lower cover.

19. Close the right front cover.
20. Press [Confirm].
    Head cleaning is executed automatically. Wait until a completion message appears on the operation panel.
21. Press [Confirm].
    Repeat this procedure from Step 1 if you perform air purging for another print head.
    In the initial filling, perform air purge on all the print heads.

Note

- When the air purge tool is removed, ink may leak. Place a paper towel near the port before the work.
- Air purging is performed for one print head. You cannot perform air purging for multiple print heads.
- Use a paper towel to remove ink from the used air purge tool, and then ask the customer to store the tool.

The air purge can be performed by SP mode

1. Set SP2-012-004 to 7, and then execute it to rewrite all air purging flags of the print heads.
2. Perform Steps 7-11 of "Damper Air Purge".
3. Execute SP2-012-005 to perform the air purge.
   - H1: Set the SP value to 1, and then execute it.
   - H2: Set the SP value to 2, and then execute it.
   - H3: Set the SP value to 4, and then execute it.
4. Perform Steps 13-19 of "Damper Air Purge".
5. Execute SP2-010-001 to perform the head cleaning.
   - H1: Set the SP value to 1, and then execute it.
   - H2: Set the SP value to 2, and then execute it.
   - H3: Set the SP value to 4, and then execute it.

Setting the Media

When setting the media, explain the following three points to the customer.

- The post heater and pre-heater have a scale display on top. Use this scale as a guide when setting media.
- Do not force the edges of the media to fit the 0 position on the scale. Set the media so that it is uniformly taut.
- Hold down the edges of the media or the roll core holder by hand and insert the media straight.

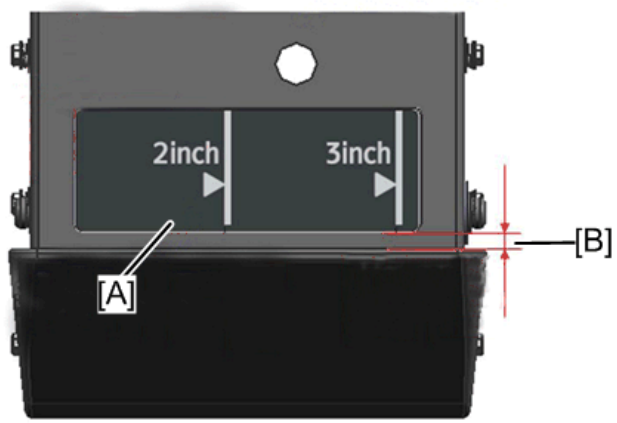
Refer to "Setting Media", Operating Instructions.

Attaching the Positioning Decal

1. Align the end of the media with the scale 0, and set the media.

2. Attach the positioning decal [A] so that it aligns with▽decal of the roll holder.

- [B]: 3±3 mm (approx. 0.118 ± 0.118 inch)



m0bxa2270

Nozzle Check Pattern Printing/Checking

Performing Test Printing

Print a nozzle check pattern and check whether there are discharge defects such as nozzle clogging (blurring or drop-out of printing).

You cannot print a test pattern on narrow media. When performing test printing, use media that has a width of 420 mm (approx. 16.5 inches) or more.

Important

When using roll media, rewind the roll media and make sure there is no warping before printing. Failure to do so may cause defects in image quality.

⚠CAUTION

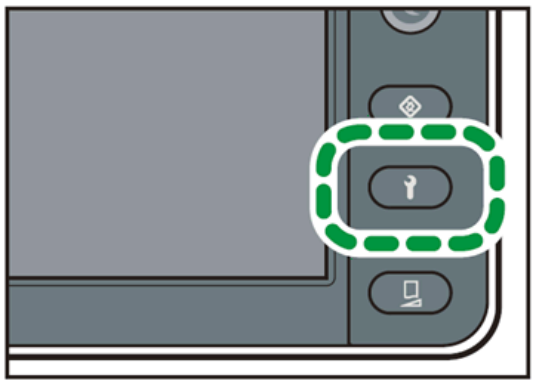
Never open the middle cover or raise the lever during printing. Opening the cover or raising the lever will abort printing.

1. Check that the media is set.

2. Change the print origin.

For details, see "Changing Print Origin", Operating Instructions.

3. Press the [Maintenance] key.



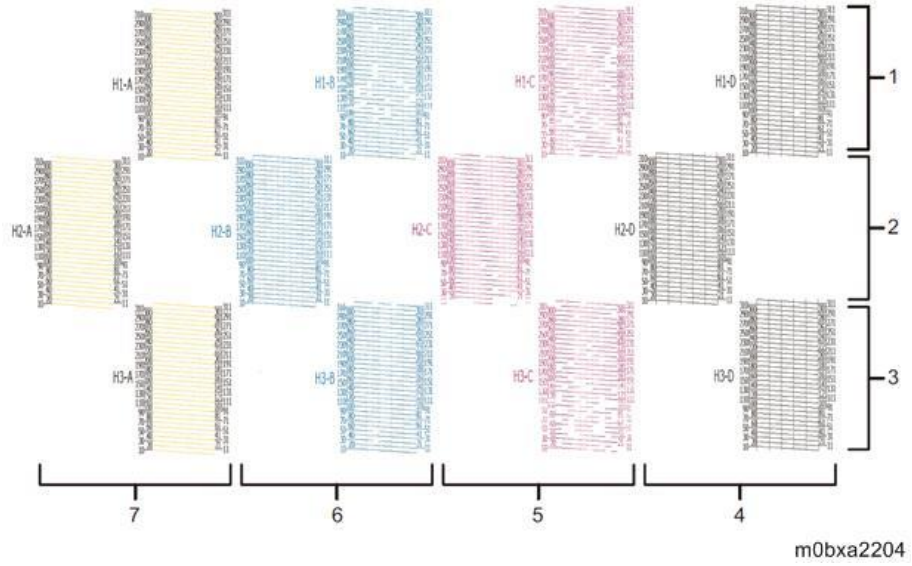
m0bxa2900

4. Press [Print Test].
5. Press [Execute].
6. Check the printed result of the nozzle check. (How to Read the Printing Result)
7. If problems occur, perform head cleaning. (Performing Head Cleaning)
8. Press [End].

Note

It is not reflected in the result of the test print even when [Nozzle Recovery] is set to [ON]. When checking the print result in which the clogged nozzle is recovered, print a recovery check pattern by using the RIP software. For details, see "Functions on the Main Menu", RIP Setting Guide.

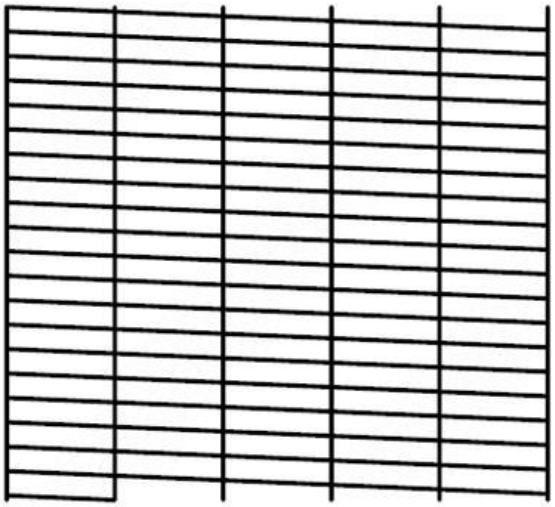
How to Read the Printing Result



1. Print head 1
2. Print head 2
3. Print head 3
4. Nozzle D column
5. Nozzle C column
6. Nozzle B column
7. Nozzle A column

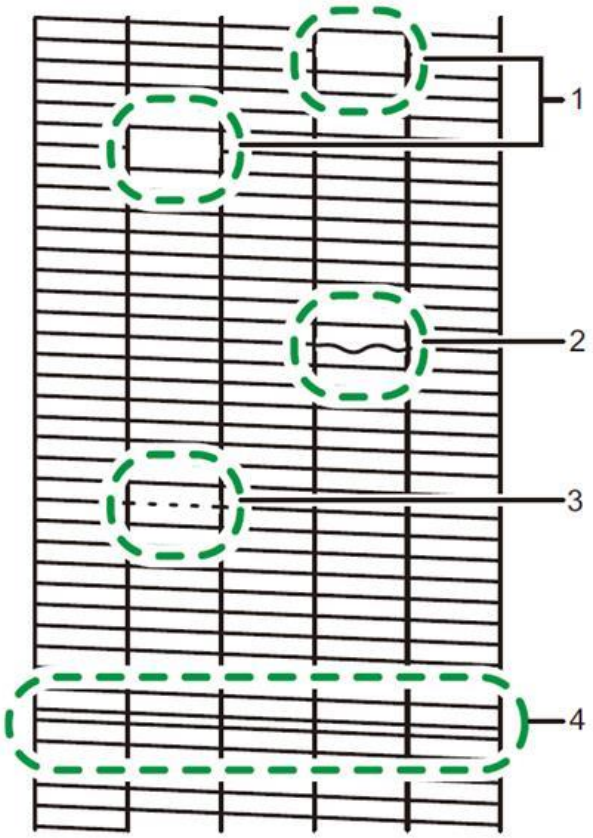
Check the position of the print heads where discharge defects such as clogging nozzles in the nozzle check pattern have occurred. Check the print heads with discharge defects by referring to the following illustration.

Normal printing result



m0bxa2205

When there are discharge defects in the heads

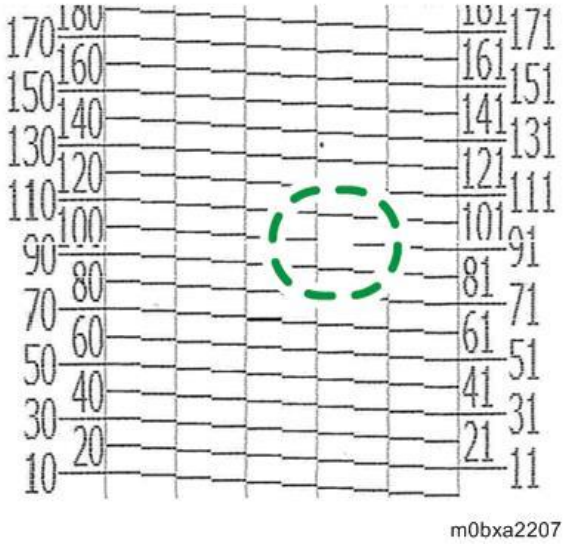


m0bxa2206

1. Nozzle clogging has occurred.
2. The nozzle check pattern is wave-like.
3. The nozzle check pattern is intermittent.
4. The intervals in the nozzle check pattern are not equal. (Bending lines have occurred.)

Check the clogged nozzle number. The numbers on the left and right of the test pattern are used for

determining which nozzle is clogged. For example, if nozzle clogging is in the location shown in the following illustration, count left from nozzle number 91 to determine that the clogged nozzle is on nozzle number "94".



About Head Cleaning

Important

- Head cleaning consumes ink. Perform this function only when necessary.
- Perform no other operations during head cleaning.
- Cleaning may be incomplete if ink in a cartridge gets too low or runs out during cleaning.
- An error will occur and head cleaning will not be possible if:
  - There is a misfeed.
  - One of the machine's covers is open.
  - The machine is performing maintenance operations.
  - The machine has run out of ink.
  - The waste ink bottle is full.
  - The service call icon is displayed on the display panel.
  - The machine has run out of the cleaning liquid.
  - Nozzle cleaning cartridge is empty.

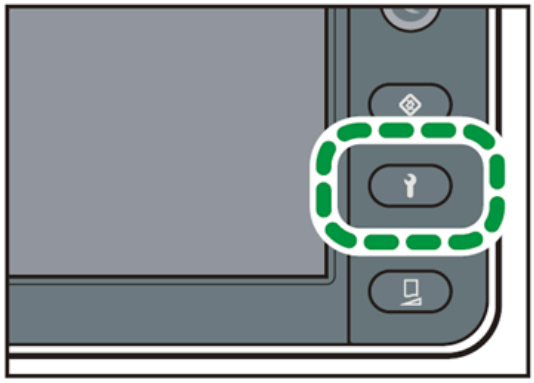
There are two types of head cleaning. Perform head cleaning according to the result of test printing.

- Nozzle Cleaning: Low
  If there are bending lines or clogged nozzles in the test printing result, perform Nozzle Cleaning: Low.
- Nozzle Cleaning: High
  If there are missing lines or ink has mixed, perform Nozzle Cleaning: High. If media jam or a long time decap happens, also perform Nozzle Cleaning: High. Let the customer know these adjustments. Nozzle Cleaning: High cleans the print heads more powerfully than Nozzle Cleaning: Low. The ink consumption for Nozzle Cleaning: High is greater than that of Nozzle Cleaning: Low.

If the printing problem is still not resolved even after performing Nozzle Cleaning: Low three times, perform Nozzle Cleaning: High. If the problem is still not resolved, see "When You Want to Clear Nozzle Clogging", Operating Instructions.

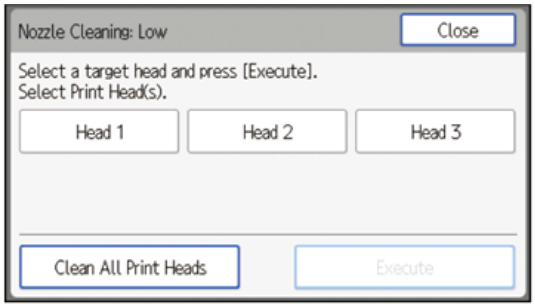
Performing Head Cleaning

1. Press the [Maintenance] key.



m0bxa2900

2. Press [Nozzle Cleaning].
3. Press [Nozzle Cleaning: Low] or [Nozzle Cleaning: High].
4. Select which print heads to clean from [Head 1], [Head 2], or [Head 3], and then press [Execute].
   You can select multiple print heads simultaneously. To perform all print heads, press [Clean All Print Heads].



w_m0bxa2901_en

5. After the message is displayed, press [Execute].
   Head cleaning will be performed.
6. Press [Confirm].
7. Press [Close].
8. Perform test printing again to check the printing result.
   Perform cleaning and test printing repeatedly until the printing result is normal.

Colorimetric Sensor Adjustment

Adjustment of Sub-scan Direction Feed Amount

⚠CAUTION

Never open the middle cover or raise the lever during printing. Opening the cover or raising the lever

will abort printing.

This section explains how to adjust the media feed quantity if image quality defects such as horizontal misalignments or image surface irregularities occur.

Important

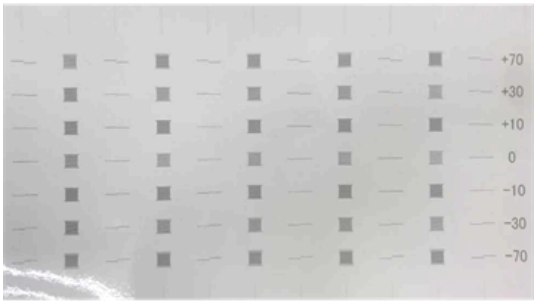
- Before adjusting the sub-scan direction feed amount, perform head cleaning. (Performing Head Cleaning)

  Check for the following:

  - There is no media floating or skewing.
  - The heaters reach a temperature appropriate for use.
- Printing the test pattern consumes ink. Perform this function only when necessary.
- Perform no other operations while the test pattern is printing.
- An error will occur and test pattern will not print if:
  - There is a misfeed.
  - One of the machine's covers is open.
  - The machine is performing maintenance operations.
  - The machine has run out of ink.
  - The machine has run out of media.

Note

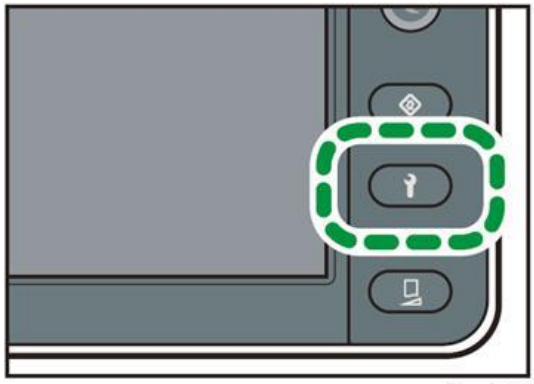
- This section explain how to adjust the media feed quantity. When adjusting the media feed quantity manually, refer to Operating Instructions.
- The machine prints the test pattern of the media feed adjustment, and then adjusts the media feed quantity automatically.
- When adjusting the white ink head (head 2), perform the adjustment manually.
- The pattern for manual adjustment:



m0bxa2285

1. Check that the media is set.

2. Press the [Standard Procedure] key.


m0bxa2900

3. Press [Media Feed Adjustment].

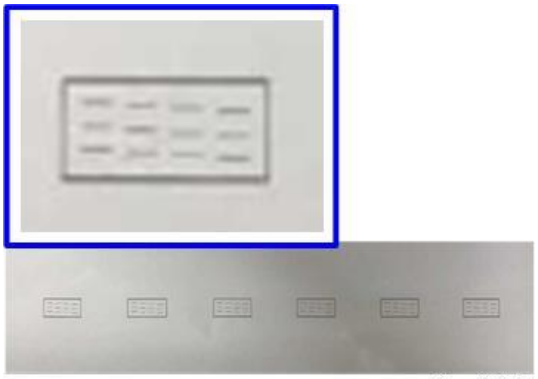
4. Press [Auto].

5. When using the machine in 4C condition, select from [6 Pass] or [8 Pass / 12 Pass / 16 Pass / 32 Pass].

When using the machine in 4C+W condition, select from [6 Pass], [8 Pass / 12 Pass / 16 Pass], or [32 Pass / 12 Pass (White)].

6. Press [Execute].

The test pattern of the media feed adjustment is printed, and then the media feed quantity adjustment is performed.


m0bxa2277

7. Press [Confirm].

8. Press [End].

9. If auto adjustment is failed, adjust the sub-scan direction feed amount manually.

NG	 m0bxa2249
OK	 m0bxa2250

NG	 m0bxa2251

Auto Gap Adjustment

⚠CAUTION

Never open the middle cover or raise the lever during printing. Opening the cover or raising the lever will abort printing.

This section explains how to correct misalignment of the ink dropping position. You can reduce misaligned verticals or blurred colors.

Adjust the drop position if:

- You have changed the thickness of media or the height of the print heads.
- Bidirectional printing produces misaligned verticals or blurred colors.

Important

Before auto gap adjustment, perform head cleaning. (Performing Head Cleaning)

- Printing the test pattern consumes ink. Perform this function only when necessary.
- Perform no other operations while the test pattern is printing.
- An error will occur and test pattern will not print if:
  - There is a misfeed.
  - One of the machine's covers is open.
  - The machine is performing maintenance operations.
  - The machine has run out of ink.
  - The machine has run out of media.

Note

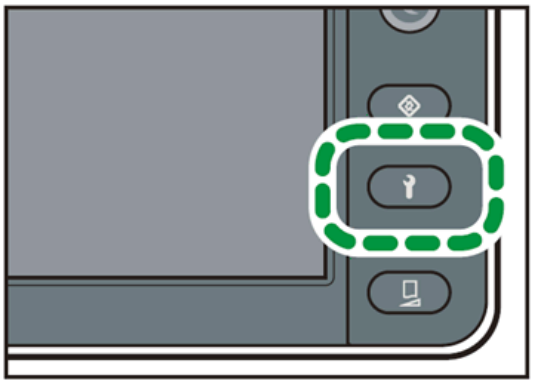
- This machine cannot adjust the drop position automatically for transparent media. Adjust the drop position manually. For details, see "Adjusting the Drop Position Manually", Operating Instructions.
- This machine also cannot adjust the print head 2 for white ink automatically. Adjust the print head 2 for white ink manually.

- The pattern for manual adjustment



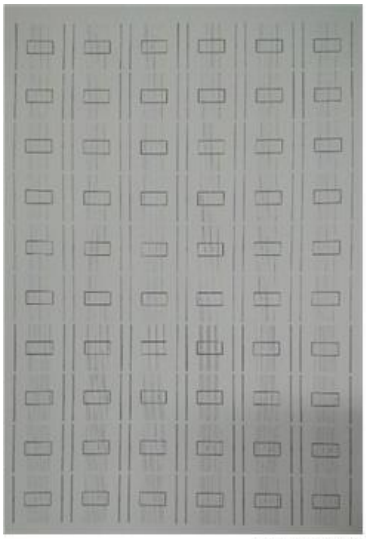
m0bxa2286

1. Check that the media is set.
2. Press the [Standard Procedure] key.



m0bxa2900

3. Press [Head Height].
4. Select the height of the print heads from [Default], [+1], [+2], [+3] depending on the thickness of the media.
5. Press [Drop Position Adjustment].
6. Press [Auto].
7. Select a print mode from [6 Pass / 8 Pass], [12 Pass], [16 Pass], or [32 Pass].
   If the ink configuration used for the machine is 4C+W, select [12 Pass (White)].
8. Press [Execute].
   The test pattern of the drop position adjustment is printed, and then drop position adjustment is performed.



m0bxa2278

9. Press [Confirm].
10. Press [End].

How to adjust the drop position using SP mode without using [Drop Position Adjustment] in UP mode

By adjusting the drop position using SP mode, you can automatically adjust the drop position for all the head heights (default, +1, +2, +3) in each print mode (6/8/16/32/12/12 (white) pass) at a time, without printing the test pattern of the drop position adjustment.

⚠CAUTION

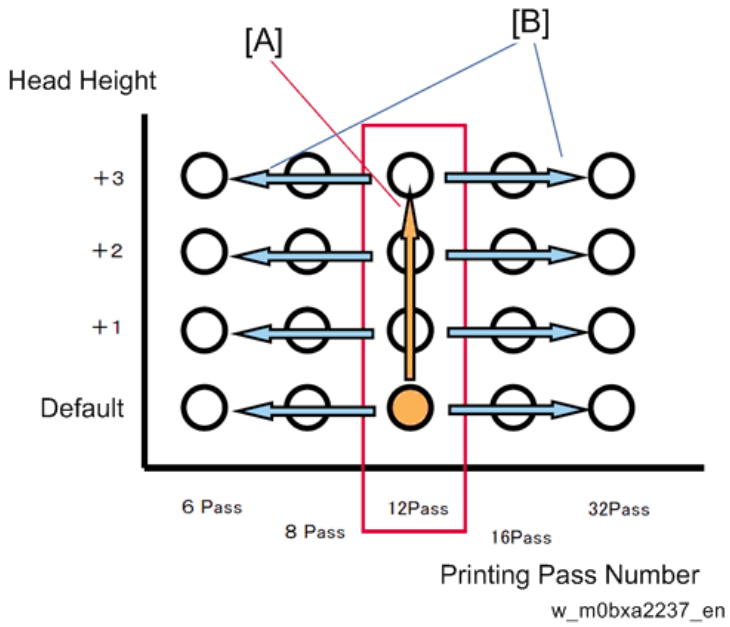
The setting values determined in this adjustment are overwritten on the setting values for each head height in each print mode which has been determined by [Drop Position Adjustment] in UP mode.

1. Check the head height after drop position adjustment.
   1. Press the [Standard Procedure] key > [Head Height].
   2. Check the head height. ([Default], [+1], [+2], [+3])
2. Enter the SP mode. Select the appropriate SP from SP3-260-001, 002, 003, or 004, depending on the head height checked in step 1, and then execute it.
   The machine calculates the adjustment values for each head height in 12 pass or 12 pass (White). Then the calculated adjustment values are set on the machine automatically.
3. Execute SP3-261-001.
   The machine calculates the adjustment values for each head height in other passes (6/8/16/32 (/12) pass) using the adjustment values for each head height in 12 pass or 12 pass (White) determined in step 2 as a reference. Then the calculated adjustment values are set on the machine automatically.

Note

When the machine is used in the state of 4C+W, the machine calculates the adjustment values for each head height in other passes (6/8/12/16/32 pass) using the adjustment values for each head height in 12 pass (White) as a reference.

- 4C

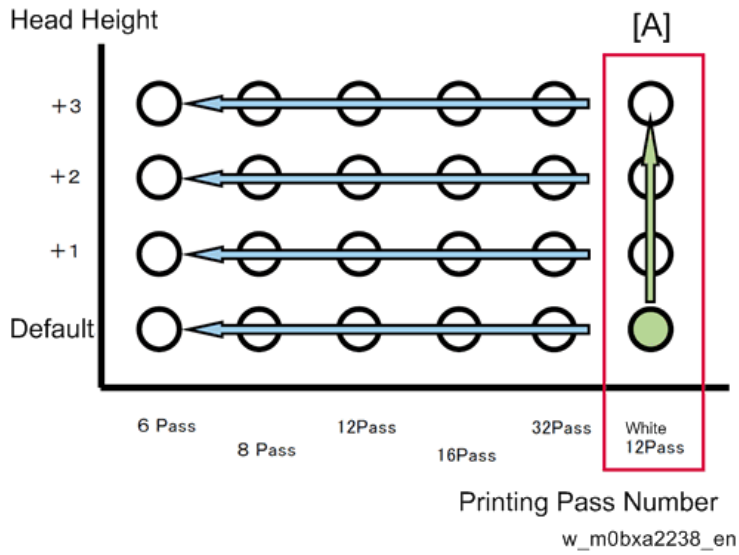


[A]: Select one of the following SPs, and then execute it. The figure above shows the condition when executing SP3-260-001.

- SP3-260-001 (When [Default] is selected in [Head Height].)
- SP3-260-002 (When [+1] is selected in [Head Height].)
- SP3-260-003 (When [+2] is selected in [Head Height].)
- SP3-260-004 (When [+3] is selected in [Head Height].)

[B]: When executing SP3-261-001 in the state of 4C, the machine calculates the adjustment values for each head height in other passes (6/8/16/32 pass) using the adjustment values for each head height in 12 pass as a reference.

- 4C+W



[A]: When executing SP3-260-001, 002, 003, or 004, in the state of 4C+W, the machine calculates the adjustment values for each head height in 12 pass (White). Then the machine calculates the

adjustment values for each head height in other passes (6/8/12/16/32 pass) using the adjustment values for each head height in 12 pass (White) by executing SP3-261-001.

Performing the Connection Methods

⚠CAUTION

- Never open the center cover or raise the lever during printing. Opening the cover or raising the lever will abort printing.

Important

- You cannot print a test pattern on narrow media. When performing the connection methods, use media that has a width of 297 mm (approx. 11.7 inches) or more.
- Printing the test pattern consumes ink. Perform this function only when necessary.
- Perform no other operations while the test pattern is printing.
- An error will occur and test pattern will not print if:
  - There is a misfeed.
  - One of the machine's covers is open.
  - The machine is performing maintenance operations.
  - The machine has run out of ink.
  - The machine has run out of media.

Note

- Before adjusting, ensure that there is no media floating or skewing. If such issues occur, feed the media from the [Origin Setting] screen to reset the media or to resolve the skewing.
- Before adjusting, ensure that the heaters reach a temperature appropriate for use.
- If nozzle clogging or bending lines occur, the machine cannot perform the adjustment successfully. We recommend performing head cleaning before adjusting.
- This machine cannot perform the connection methods for the print heads automatically for transparent media. Perform the connection methods manually. For details, refer to the operating instructions.
- When using white ink, you cannot perform the connection methods for the print heads. Set [Print Head Alignment] and [Media Feed Correction] to [Off].

Performing the Connection Method for the Media Feed

When the black streaks appear on an area where the uneven density is reduced after performing the [Media Feed Adjustment], carry out the following procedure.

1. Press the [Standard Procedure] key.
2. Press [Selected Setting for Head Alignment].
3. Press [Media Feed Correction].
4. Press [Media Feed Correction].
5. Press [On].
6. Press [Close] twice.

7. Press [End].

The connection method for the media feed will be applied to the first printing job after these settings are configured.

Changing the Connection Method Level for the Media Feed

To make further adjustment, carry out the following procedure.

1. Press the [Standard Procedure] key.

2. Press [Selected Setting for Head Alignment].

3. Press [Media Feed Correction].

4. Press [Level Setting].

5. (Only when the ink configuration is 4C+W) Select the print layer that you want to change the connection method level for the media feed.

6. Select the print mode that you want to change the connection method level for the media feed.

7. Select the adjustment level from [Level 0], [Level 1], [Level 2], and [Level 3].

8. Press [Close].

When the ink configuration is 4C, press [Close] three times.

When the ink configuration is 4C+W, press [Close] five times.

9. Press [End].

The connection method for the media feed will be applied to the first printing job after these settings are configured.

When the problem persists, repeat the abovementioned procedure again. If the problem still persists after repeating the procedure, increase the print resolution or select unidirectional printing.

Date Settings

When installing the machine, sets the date/time settings by a customer engineer.

1. Turn the main power ON, and then enter the SP mode.
2. Set the date in SP5-302-003 (Set Time Set Date).
3. Set the time in SP5-302-004 (Set Time Set Time).

Note

The customer can reset only the time setting.

Time Zone/Summer Time Settings

Time Zone/Summer Time Settings is done by customer engineers when installing the machine.

1. Turn on the main power, and then enter the SP mode.
2. Set the time zone/summer time using the following SPs.

Setting Value when the Machine is Shipped from the Factory

Items	SP Number	Unit	NA	EU
Set Time (Time Difference)	SP5-302-2	-	-300 (NY)	+60 (Paris)
Daylight Saving Time Setting	SP5-307-1	-	1 (Valid)	1 (Valid)
Daylight Saving Time Rule Set (Start)	SP5-307-3	Month	March	March
		Number of Times	2	Final time (4 or 5)
		Day	Sunday	Sunday
		Start Time	AM 2:00	AM 0:00
Daylight Saving Time Rule Set (End)	SP5-307-4	Month	November	October
		Number of Times	1	Final time (4 or 5)
		Day	Sunday	Sunday
		End Time	AM 2:00	AM 1:00
Daylight Saving Time Switching Time	SP5-307-4	Minute	60	60

Network Setup

For details, refer to Operating Instructions.

@Remote Settings

Note

- Prepare and check the following check points before you visit the customer site. For details, ask the @Remote key person.

Check points before making @Remote settings

1. The setting of SP5816-201 in the mainframe must be "0".
2. Print the SMC with SP5992-001 and then check if a device ID2 (SP5811-003) must be correctly programmed.
   - 6 spaces must be put between the 3-digit prefix and the following 8-digit number (e.g. xxx_____xxxxxxxx).
   - ID2 (SP5811-003) and the serial number (SP5811-001) must be the same (e.g. ID2: A01_____23456789 = serial No. A0123456789)
3. The following settings must be correctly programmed.
   - Proxy server IP address (SP5816-063)
   - Proxy server Port number (SP5816-064)
   - Proxy User ID (SP5816-065)
   - Proxy Password (SP5816-066)
4. Get a Request Number

Execute the @Remote Settings

1. Enter the SP mode.
2. Input the Request number which you have obtained from @Remote Center GUI, and then enter [OK] with SP5816-202.
3. Confirm the Request number, and then click [EXECUTE] with SP5816-203.
4. Check the confirmation result with SP5816-204.

Value	Meaning	Solution/ Workaround
0	Succeeded	-
3	Communication error (proxy enabled)	Check the network condition.
4	Communication error (proxy disabled)	Check the network condition.
5	Proxy error (authentication error)	Check Proxy user name and password.
8	Other error	See "SP5816-208 Error Codes" below this.
9	Request number confirmation executing	Processing… Please wait.
11	Already registered	-

5. Make sure that the screen displays the Location Information with SP5816-205 only when it has been input at the Center GUI.
6. Click [EXECUTE] to execute the registration with SP5816-206.
7. Check the registration result with SP5816-207.

Value	Meaning	Solution/ Workaround
0	Succeeded	-
1	Request number error	Check the request number again.
2	Already registered	Check the registration status.
3	Communication error (proxy enabled)	Check the network condition.
4	Communication error (proxy disabled)	Check the network condition.
5	Proxy error (Authentication error)	Check Proxy user name and password.
8	Other error	See "SP5816-208 Error Codes" below this.
9	Request number confirmation executing	Processing… Please wait.
11	Already registered	-
12	Parameter error	-

8. Exit the SP mode.

SP5816-208 Error Codes

Caused by Operation Error, Incorrect Setting

Code	Meaning	Solution/ Workaround
-12003	Attempted registration without execution of a confirmation and no previous registration.	Perform Confirmation before attempting the Registration.
-12004	Attempted setting with illegal entries for certification and ID2.	Check ID2 of the mainframe.
-12005	@Remote communication is prohibited. The device has an Embedded RC gate-related problem.	Make sure that "Remote Service" in User Tools is set to "Do not prohibit".
-12006	A confirmation request was made after the confirmation had been already completed.	Execute registration.
-12008	Certification Error	Try to do the procedure again.
-12009	Certification Error	Try to do the procedure again.
-12010	The certification area is not initialized.	Initialize the certification area.

Error Caused by Response from GW URL

Code	Meaning	Solution/ Workaround
-2387	Not supported at the Service Center	
-2389	Database out of service	
-2390	Program out of service	
-2391	Two registrations for the same mainframe	Check the registration condition of the mainframe
-2392	Parameter error	

Code	Meaning	Solution/ Workaround
-2393	External RCG not managed	
-2394	Mainframe not managed	
-2395	Box ID for external RCG is illegal.	
-2396	Mainframe ID for external RCG is illegal.	
-2397	Incorrect ID2 format	Check the ID2 of the mainframe.
-2398	Incorrect request number format	Check the Request No.

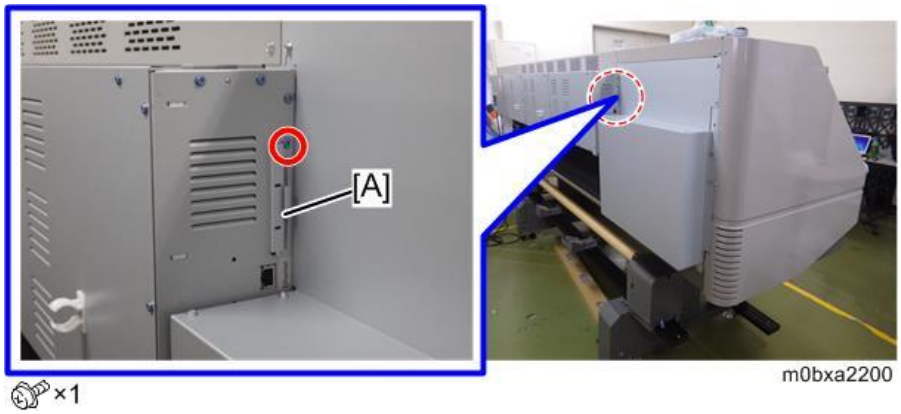
RIP Server Setup

Installing the Software

1. Connect the USB hardware key (hardware key) to the USB port of the computer.
2. Connect the USB flash drive to another USB port which differs from the USB port used by the hardware key.
   Autostart may appear asking what you would like to do with the files. Click the folder icon to continue.
3. Open the USB flash drive through the explorer, and then double-click "Install_ONYX.exe".
4. Click [Install].
5. Check the agreement on the end user license contract (EULA), and click [Yes].
6. Click [OK] to install the driver of the hardware key.
   Wait for a while.
   Depending on the environment of the computer you use, Microsoft Visual C++ 2015 Redistributable is installed.
7. Select the folder you store.
   If you want to install the software into another hard drive, change only the first letter of the path. Do not change the name of the folder.
   Example: C:Onyx18 -> D:Onyx18
8. Check used printer in the [Printers] area at the lower right part of the window.
9. Click [Install] to start installation.
   Wait for a while.
   The web browser starts and the explanation of UAC and administrator authority is displayed, close the browser.
10. After installation has been completed, click [Finish].
    RIP-Queue starts automatically.
11. If registration wizard of myonyx appears and if you want to register, click [Next]. If you need not do, click [Cancel].
12. Select [TCP/IP Printer] in [Configure Printer Port] window, and then click [Configure].
13. Input the IP address of the printer or the host name in [IP address].
14. Make sure that [Port Number:] is <Port52026>.
15. Click [Test] for connection test.
    When the computer is normally connected to the printer, a dialog message [Valid IP Address Found] is displayed.
    If the connection test is failed, change the state of the operation panel so that a message [Ready] is displayed, and then retry the connection test.
16. Click [OK] twice.
    Installation of RIPCenter/PosterShop is completed.

SMC Report (Storing the Setting Value of SP Code)

1. Turn off the main power.
2. Remove the SD card slot cover [A].



3. Insert the SD card into the SD card slot [A], and then turn on the main switch.



Note

- Do not use the SD card that formatted for forced installation.
- Do not use the SD card which the firmware update file is in.

4. Enter the SP mode.
5. Execute SP5-992-001 (SP Text Mode: All (Data List)) to store a list of the SP code settings in the SD card for future reference.
6. Turn off the main power.
7. Remove the SD card from the SD card slot.

Note

The customer engineer keeps and carries this SD card which stores the list of the SP code settings.

Updating the Firmware

When installing the machine, make sure to install the latest firmware. (Firmware Update (SD card))

Checking the Output

Media output can be done via RIP software by operating user's PC.

The conditions are as follows:

Image Data

Use the image data in the USB provided for installing Onyx-RIP.

- "Onyx Quality Test" in "\Install\Samples"



Printing Mode

Resolution (Standard and High Resolution)

Printing Media

PVC – Avery Dennison EU MPI 3000 Gloss White Recommendation

Profile

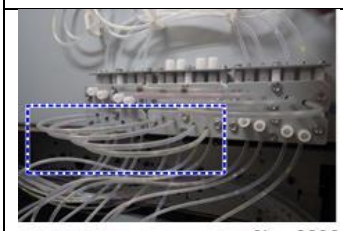
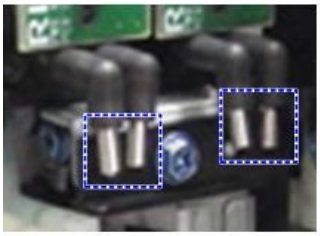
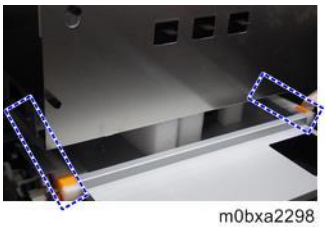
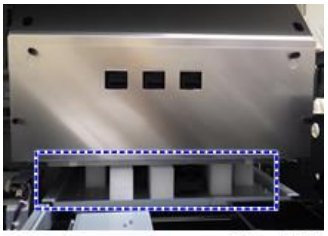
Outputs the data using any profiles depending on the media the customer uses.

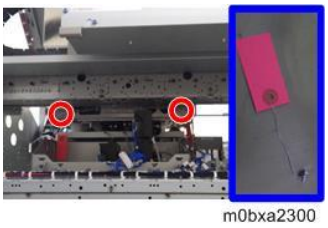
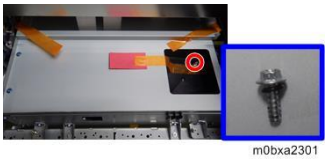
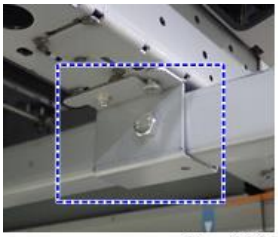
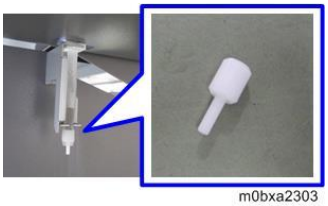
Note

- If black streaks are conspicuous on the outputted image, we recommend turning on Media Feed Correction.
- For detail settings procedure, refer to user manual.

Items to be Stored in Customer's Place

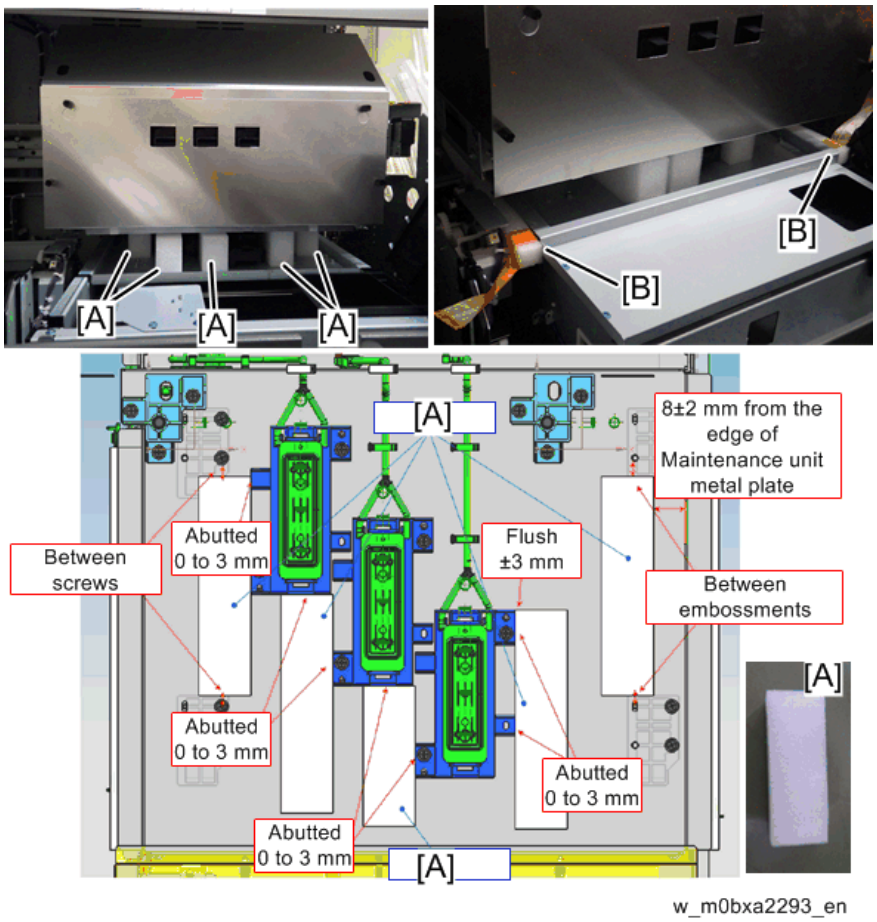
Ask the customer to store the following items.

Picture	Parts Name	Q'ty	Use
 m0bxa2295	Ink replacement jigs	8	Replacing white ink, changing color
 m0bxa2296	Removed tubes (When 4C+W machine is installed.)	4	Changing color (4C+W ->4C)
 m0bxa2311	Rubber stoppers for circulation section of the print head2. (When 4C+W machine is installed.)	4	Changing color (4C+W ->4C)
 m0bxa2297	Sealing materials for channel (When 4C machine is installed.)	4	Changing color (4C ->4C+W)
 m0bxa2298	Supporting sponges for fixing capping station	2	Moving the machine
 m0bxa2299	Supporting sponges for fixing the carriage unit	4 (long) 1 (short)	Moving the machine

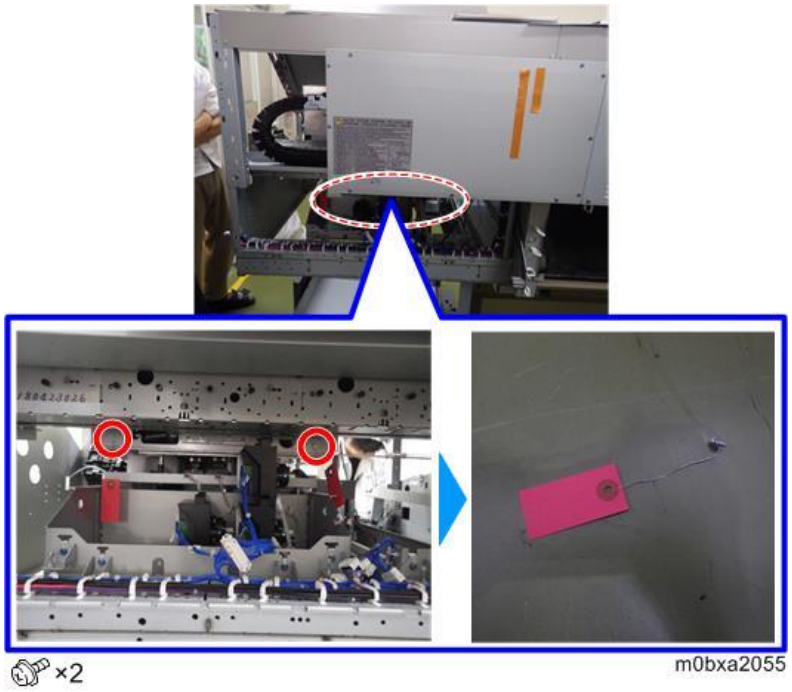
Picture	Parts Name	Q'ty	Use
 m0bxa2300	Screws for fixing the carriage unit	2	Moving the machine
 m0bxa2301	A sealing screw with a ring for waste ink tray	1	Moving the machine
 m0bxa2302	Brackets for supporting the stay	2	Moving the machine
 m0bxa2303	A cap for waste ink tube	1	Moving the machine
 m0bxa2305	Lids of the waste ink bottle	2	Moving the machine
 m0bxa2310	A blind cover for the attention light section (when installing option)	1	A cover when the attention light is not used

Moving the Machine

When moving this machine, attach the supporting sponges [A] [B] and the screws for fixing the carriage unit.



w_m0bxa2293_en



m0bxa2055

If the machine is transported:

- Disassemble the machine and pack it in the box used in delivery.
- When the bottle is completely or nearly filled with the waste ink and if the machine is tilted or moved greatly, the waste ink may spill from the bottle. Before moving the machine, replace the bottle with new one or empty the bottle by removing the content to another bottle.
- When moving the machine, make sure to raise the position of the paper feed caster unit. When the machine passes through the slope or bumpy road, its casters may be twisted or broken. When transporting the machine through the bumpy road, lay a mat.

If the machine is moved within the room or to another room in the same building:

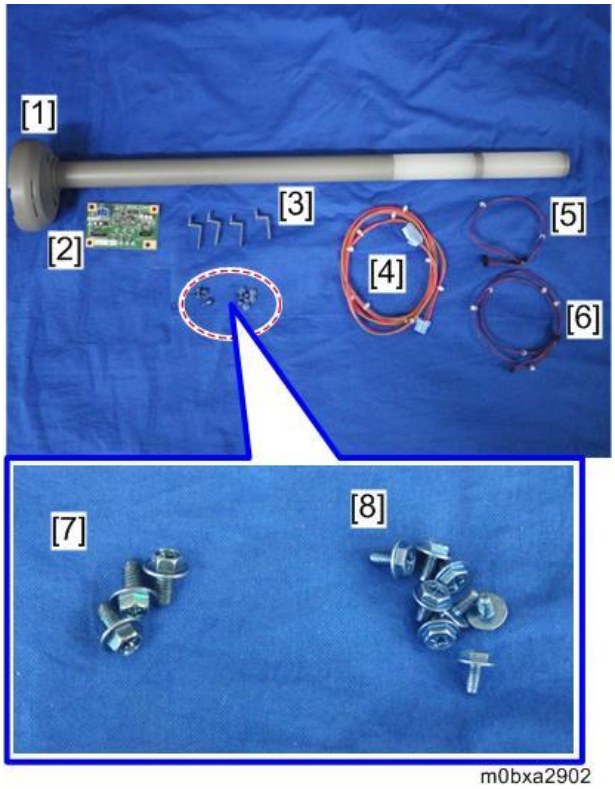


Do not incline the machine when moving. Inclining the machine may cause ink leaking, resulting in machine malfunction.

- Several people are needed for moving the machine.
- Move the machine by holding the handle of the lower side of the plotter unit.
- It is not necessary to remove the ink cartridges from the machine.

Attention Light Type C2 (option)

Accessory list



No.	Description	Q'ty
1	Status Lamp	1
2	PIB	1
3	Stand	4
4	Harness: Power	1
5	Harness : Short	1
6	Harness: Long	1
7	Tapping Screw - M4X8	3
8	Tapping Screw - M3X6	8

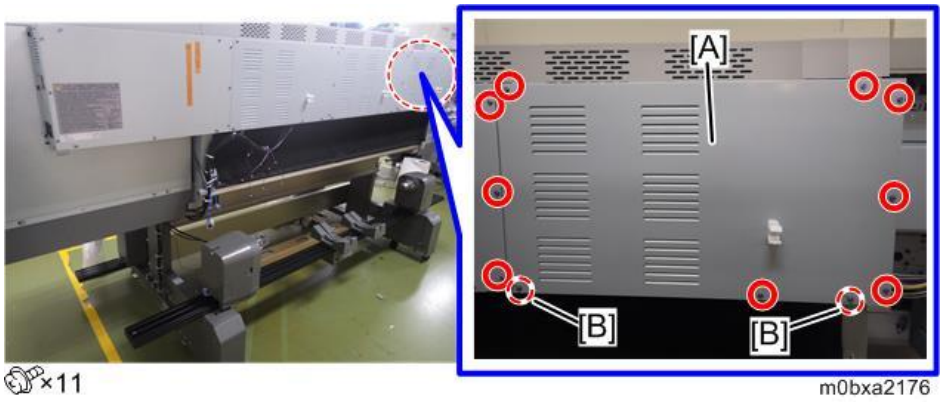
Installation Procedure

⚠CAUTION

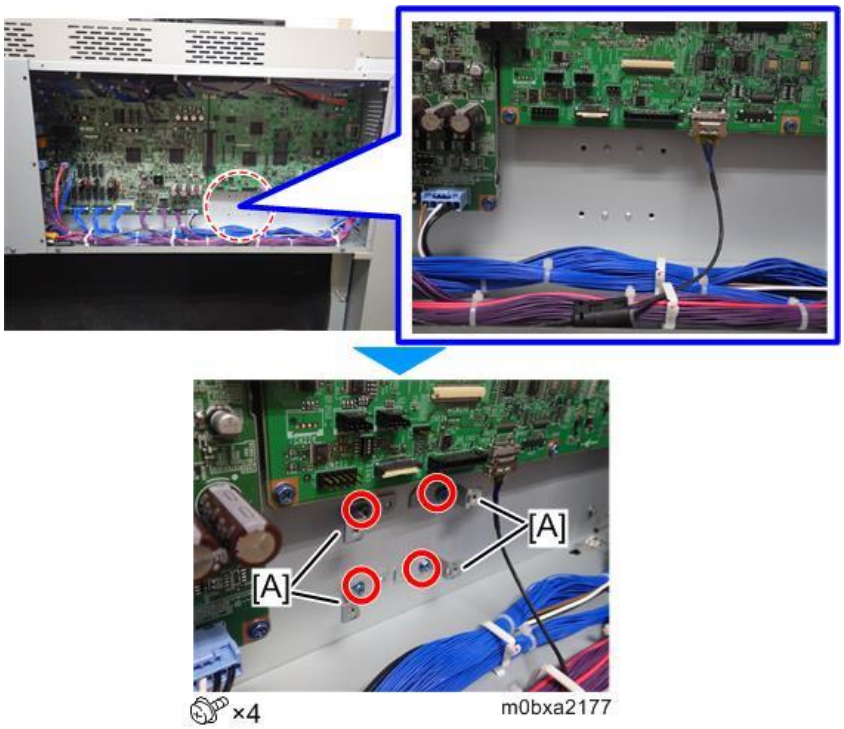
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before doing the following procedure. Doing the following procedure in an energized state constitutes an electric shock hazard and could cause a malfunction.
- After the power plug is unplugged, residual charge may still be left in the PSU. Be careful not to touch the PSU while operating the machine.

2.Installation

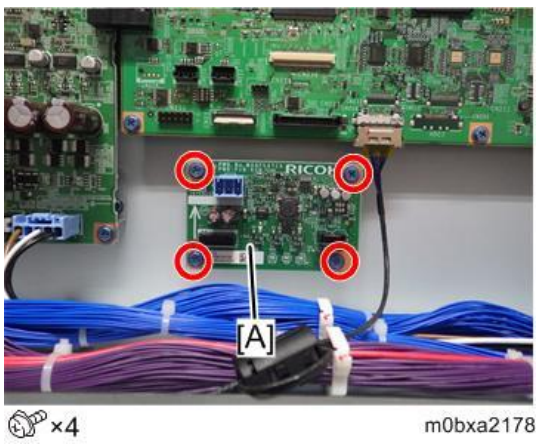
1. Remove the controller box right cover 1 [A] of the rear side of the main unit.
When removing the controller box right cover 1, loosen the screws [B].



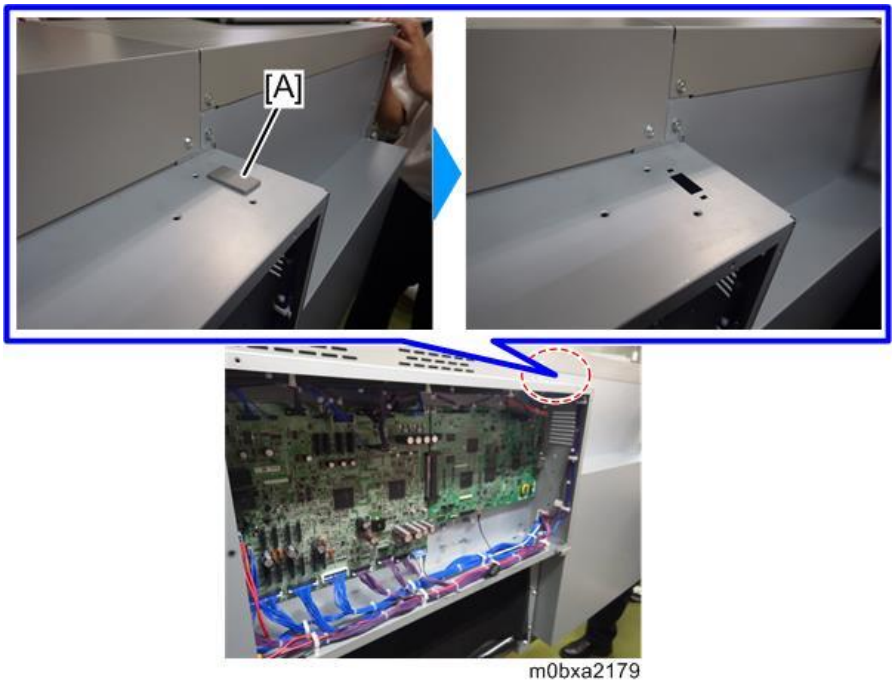
2. Attach the four stands [A] inside the controller box. (TAPPING SCREW - M3X6)



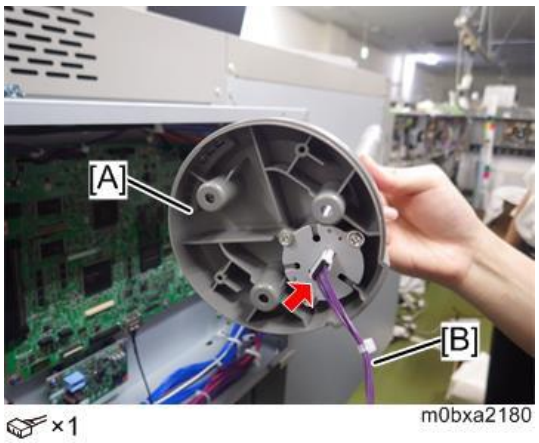
3. Attach the PIB [A] to the stands. (TAPPING SCREW - M3X6)



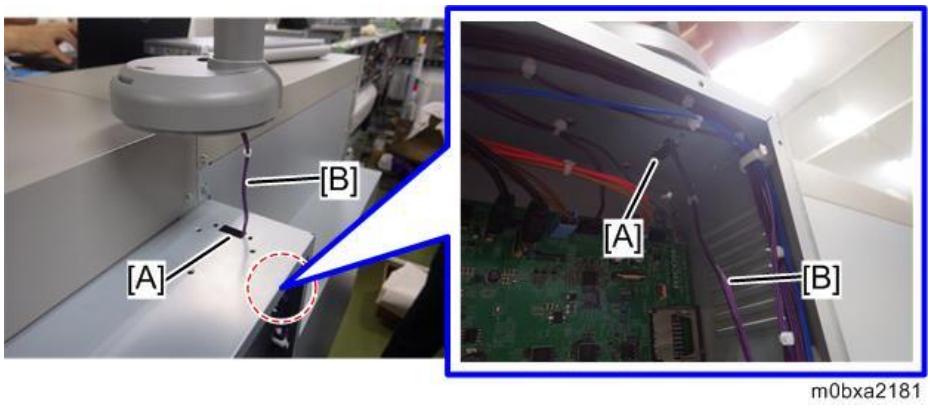
4. Remove the cap [A].



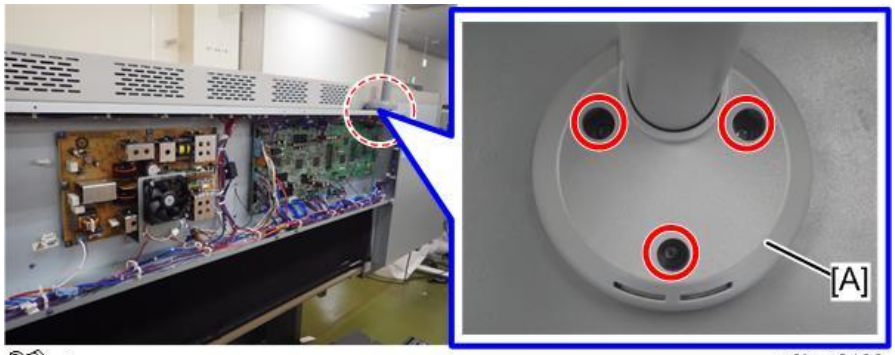
5. Connect the long purple harness (640mm) [B] to the attention light [A].



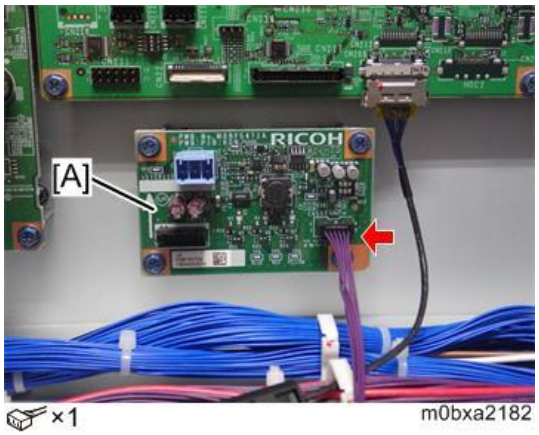
6. Pass the harness [B] through the cutout [A] of the upper side of the controller box.



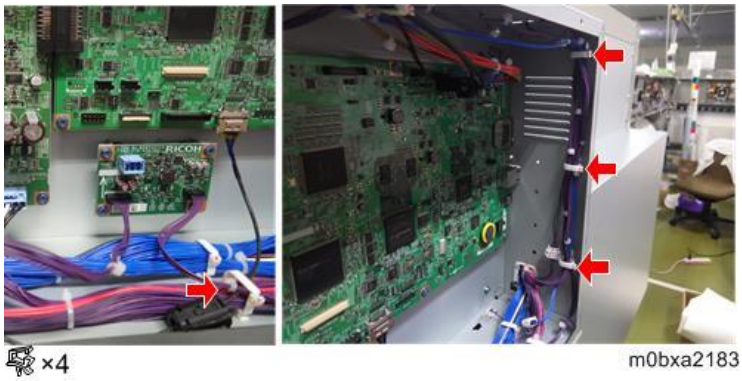
7. Attach the attention light [A] to the main unit.



8. Connect the harness, passed through the cutout in Step 6, to CN551 on the PIB [A]. (TAPPING SCREW - M4X8)

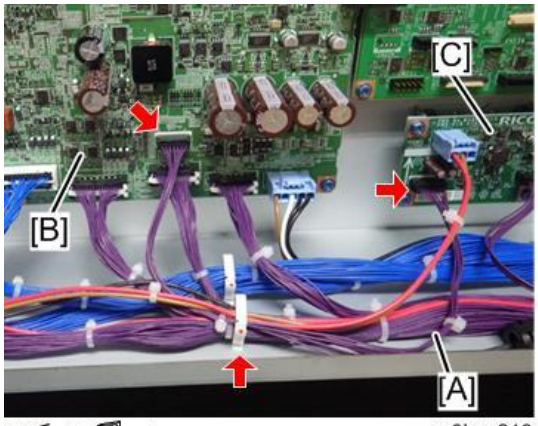


9. Route the harness and secure it with the clamps as shown below.



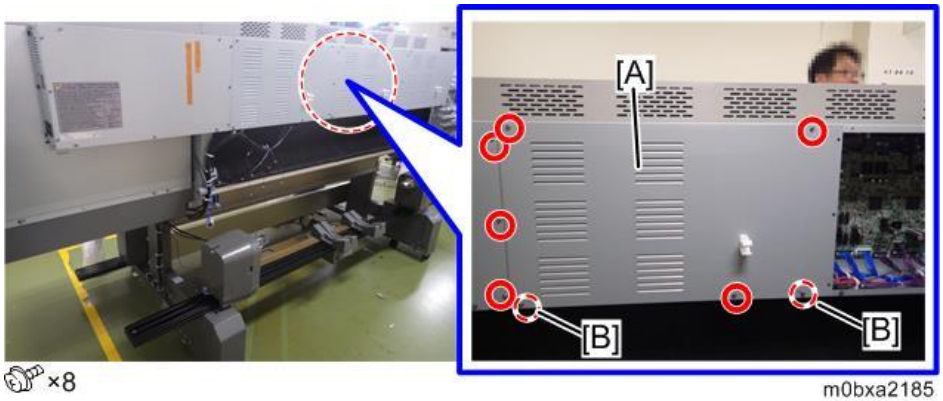
10. Connect the short purple harness [A] to CN151 on the IOB [B] and CN550 on the PIB [C], and then

secure the harness with the clamps.



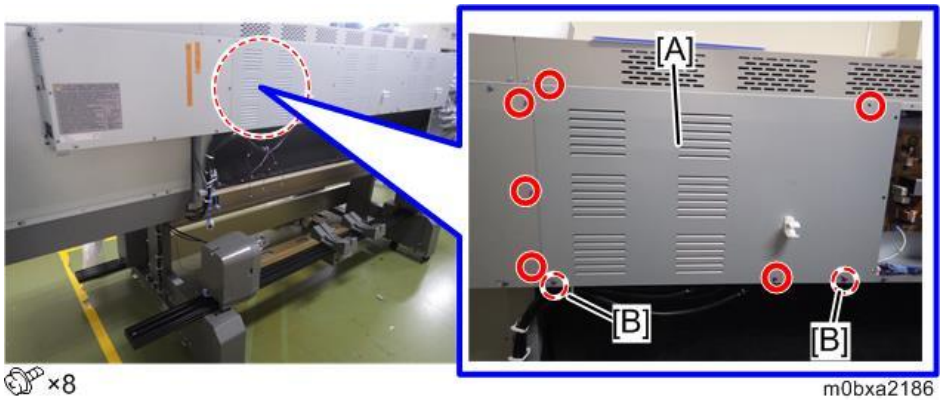
11. Remove the controller box right cover 2 [A].

When removing the controller box right cover 2, loosen the screws [B].



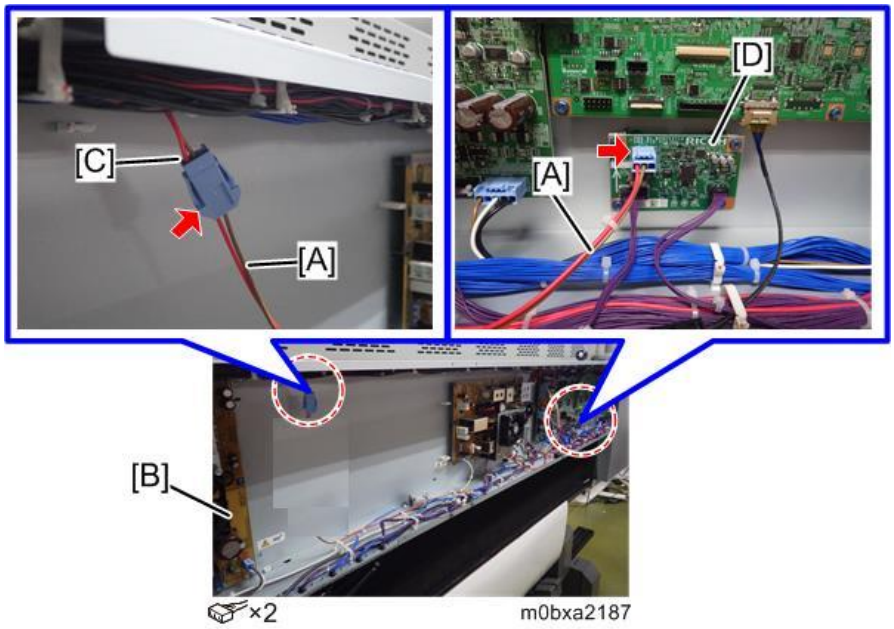
12. Remove the controller box right cover 3 [A].

When removing the controller box right cover 3, loosen the screws [B].

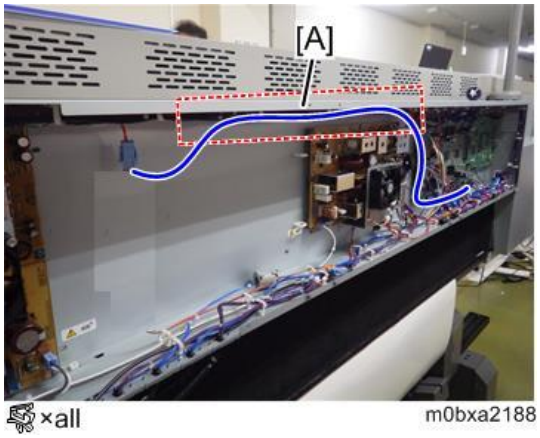


13. Connect the red harness for the power [A] to the harness [C], which is connected to the PSU 5V

[B], and CN552 on the PIB [D].



14. Route the harness and secure it with the clamps [A] as shown below.



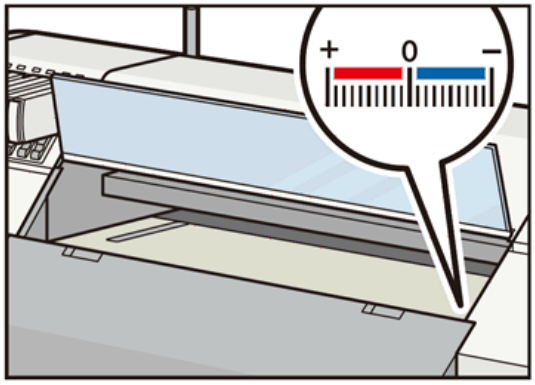
15. Reattach the controller box right cover 1, 2, 3.

Operation Instruction

Explain the following contents to customers.

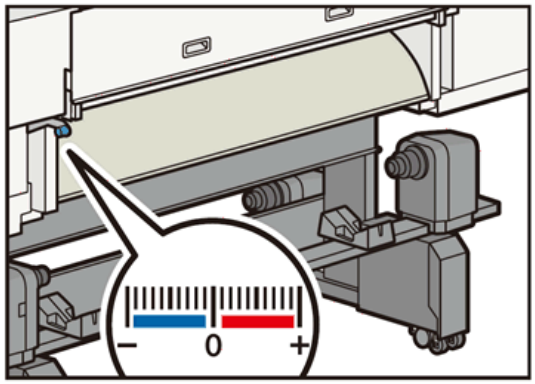
About Usage

- How to open the right front cover. (Especially how to release the fall prevention rock) (Removing the Right Side Upper Cover)
- How to set the cartridge. (Installation)
- How to set the media. (Setting the Media)
  Especially explains the following:
  - Align the front scale with the rear scale.
    - Scale on the post-heater



m0bxa2287

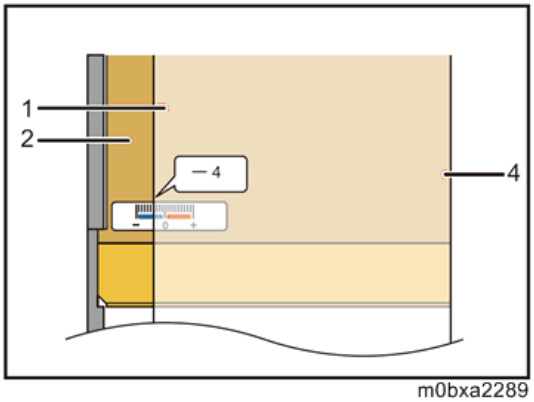
    - Scale on the pre-heater



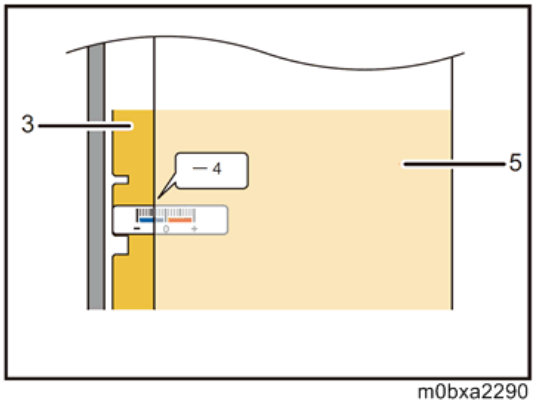
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  - Do not try to adjust the media to zero by force.

- If it is −4 on the pre-heater scale



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m0bxa2290

1. Media
2. Post-heater
3. Pre-heater
4. Adjust according to the pre-heater scale.
5. The value when placed in a straight line. Do not try to adjust the media to zero by force.

- Make sure to push the media holding lever in.
- If printing operation suspends due to ink end, and restarts after replacing ink cartridge, regular printing quality cannot be ensured.
- When using the heavy media and rolling-up it more than 30 m without cutting, it might not be rolled up any more. Remove the rolled-up media, and then set the media again.
- After setting the pre-heater cover, push the both edge of the cover to check if the cover closes. If the cover floats, it may open during operation and printing.

- How to use the roll-up holder. (Refer to the operating instructions.)
- How to use RIP and printing. (RIP Server Setup)
- How to check the machine state. (Operation panel of machine)
- How to reset the waste ink bottle counter. (Refer to the operating instructions.)
- How to change the suction power. (Refer to the operating instructions.)
- How to use the cutter. (Refer to the operating instructions.)
- Power (Always running. Auto maintenance is performed while you do not use. If you leaves the

machine, Set sleep mode, not off.) (Refer to the operating instructions.)

- When the roll holder moves while setting the media, hold the roll holder. Or, put back the roll holder after setting the media.

Wastes

When dumping used ink cartridges, used cleaning cartridges, used flushing liquid cartridges, waste ink, request disposal contractor to do so.

Image Quality Adjustment

- Media feed adjustment (Auto/Manual)
  (Auto adjustment: refer to Adjustment of Sub-scan Direction Feed Amount. Manual Adjustment: Refer to the operating instructions.)
- Head gap adjustment (Auto/Manual), white ink adjustment (manual only)
  (Auto adjustment: refer to Auto Gap Adjustment. Manual Adjustment: Refer to the operating instructions.)
- In auto adjustment, detection error could occur when using the media with its surface being uneven, transparent, or colored.
  To prevent detection error, use smooth media for auto adjustment (ex.PVC). If you cannot replace the media, select the manual adjustment.
- Adjustment of feed amount correction as solution for banding. (Belt-like Uneven Density Appears)
- When performing feed adjustment immediately after re-winding the media, output the nozzle check pattern, and then perform the feed adjustment.
  This is because the feed adjustment may be performed incorrectly at the point that media is once fed and returned, which results in poor printing quality.
- When black streaks appears at the time that uneven density improves after performing the [Media Feed Adjustment] against uneven density, perform [Media Feed Correction]. (Performing the Connection Methods)

Related to Maintenance

- Regular Maintenance
  - Everyday: Shake the white ink cartridges. (Only 4C+W)
  - Check before using, and then clean when it is dirty: Media guides (If dust or ink is adhered to the media guides, following problems may occur)
    - Fall of ink, nozzle clogging
    - Media jam
    - Media may not be fed successfully when printing
    - Dust may affix onto the nozzles and cause the machine to be unable to print successfully.
  - Every 1.5 months: Cleaning the discharging path and caps

    - Once a year: Cleaning the area around heads
- Head cleaning (About Head Cleaning)
- Nozzle maintenance (Refer to the operating instructions.)
- Ink refreshing ("Cleaning When Changing the Color" included in Full Auto Cleaning at Changing Color)
- Air purge (Damper Air Purge)
- Caution for auto maintenance: Ink cartridge (both cartridges of each color end.), flushing liquid cartridges and cleaning cartridges end, the machine will stop.
- If drop-out of printing occurs, perform the following;
  Nozzle Cleaning: Low 3 times -> Nozzle Cleaning: High 1 time -> Special Maintenance (Nozzle cleaning -> ink refresh -> air purge -> cleaning the nozzle surface)
  If drop-out of printing occurs after performing the maintenance above, call the service.
- When the machine is not going to be used for a long period of time, make sure to check that there is enough ink or flushing liquid left in ink cartridge, cleaning cartridge, or flushing cartridge (they are not near end). Also check that there is enough space in the waste ink bottle.
  When the machine has run out of ink or the waste ink bottle has being full, auto maintenance function is not performed successfully. If the auto maintenance function does not run, a dried print head may cause nozzles to clog or components of white ink may settle, possibly leading to damage.
  If the power is going to be turned off for a week or more (when the auto maintenance function does not run), replace the white ink with the displacement liquid. Then replace the displacement liquid with the white ink when using the machine again. Normally, it takes time to complete the replacement of white ink with displacement liquid. Therefore, perform ink refreshing when you need displacement immediately. However, ink refreshing consumes a lot of white ink.

Others

If the machine might be moved in the future, store the sponges for supporting carriage unit, screws for fixing the carriage unit, and ink replacement tool for discharging the filling liquid.

3. Replacement and Adjustment

Notes on the Main Power Switch

Push Switch

The main power button of this machine has been changed to a push-button switch (push button) from the conventional rocker switch. The push switch has characteristics and specifications different from the rocker switch. Care must be taken when replacing and adjusting parts.

Characteristics of the Push Switch (DC Switch)

Power is supplied to the machine even when the main power switch is turned OFF.

The push switch in this machine uses DC (direct current). Therefore, if the AC power cord is connected to an electrical outlet, power is supplied to the controller board, the operation unit and other modules even when the main power is turned OFF. When replacing the controller board and the operation unit in this state, it will damage these boards and other electrical components.
So, when performing maintenance work such as replacing parts, in addition to turning off the main power with the push switch, always unplug the AC power cord.

When you disconnect the power cord from the AC wall outlet, inside the machine there is still residual charge.

When you disconnect the power cord from the AC wall outlet, inside the machine for a while there is still residual charge. Therefore, if you remove boards in this state, it can cause a blown fuse or memory failure.

- How to remove the residual charge inside the machine
  After you unplug the power cord from the AC wall outlet, in order to remove the residual charge from inside the machine, be sure to press the main power switch. Thus, the charge remaining in the machine is released, and it is possible to remove boards.

When you reconnect the AC power cord into an AC wall outlet, the machine will start automatically.

In order to remove the residual charge, push the main power switch while you disconnect the AC power cord. At that time, the power ON flag inside the machine is set. Therefore, after you finish work on the machine and reconnect the power cord to the AC, even if you do not press the main power switch, the machine will start automatically and the moving parts will begin to move. **When working on moving parts, be careful that fingers or clothes do not get caught.**

Note

- Automatic restart deals with cases when you accidentally unplugged the AC power cord or unexpected power outages. By keeping the power flag ON, after the resumption of power, the

machine will start up automatically.

In rare cases, when you reconnect the AC power cord to a power outlet, the machine does not start automatically. In this case, the machine has not failed. The cause is due to the timing of releasing the residual charge. If you press the main power switch while the residual charge was already released, the power ON flag will not be set. At this time, start the machine manually by pressing the main power switch.

Shutdown Method

1. Press the main power switch [A] on the left side of the machine.
2. Take out the power cord
3. Wait 3 minutes (this is the time required if you will remove the rear cover and access the interior of the machine, to take out the controller board for example).

Note: If some LEDs on any of the boards are blinking or lit, current is still flowing.

After the shutdown process, the main power is turned off automatically.



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When the shutdown is complete:

Main power LEDs: Off

Note

- To start the machine, press the main power switch. However, if you press the main power switch between the beginning and the end of a shutdown, the machine will not start.

Forced Shutdown

In case normal shutdown does not complete for some reason, the machine has a forced shutdown function.

To make a forced shutdown, press and hold the main power switch for 6 seconds.

In general, do not use the forced shutdown.

Important

- Forced shutdown may damage the hard disk and memory, and can cause damage to the machine. Use a forced shutdown only if it is unavoidable.

General Precautions

Important

Do not remove the screws coated by a locking agent.

Special Tools

The following special tools should be prepared for maintenance of this model in the field.

Unique or Common:

U: Unique for this model

C: Common with listed model

No.	Part Number	Description	Q'ty	Unique or Common
1	M1539310	HEX WRENCH:2.5MMX262MM WITH BALL POINT	1	C (General)
2	M0BX5912	Service Slot Board (ENG)	1	U
3	M0BX5913	Service Slot Board (MSDC)	1	U
4	J0894721	BOTTLE:M-BT2:EXP:ASS'Y	1	U
5	M0BX9350	FW UPDATE CABLE: COLORIMETRIC SENSOR	1	U
6	M0BY3478	SERVICE PARTS:HEAD:ASSY	1	U
7	M0BY3200	SERVICE PARTS:SYRINGE_KIT* Note: Compatible with M1533053	1	U
8	M0BY7800	PACK:ONYX:RIP:ASS'Y	1	U
9	B6455030	SD Card 2GB	1	C (General)
10	B6455040	SD Card 8GB	1	C (General)
11	B6455060	SD Card 16GB	1	C (General)
12	-	LEVEL (with minimum accuracy of 0.15mm/m)	1	C (General)

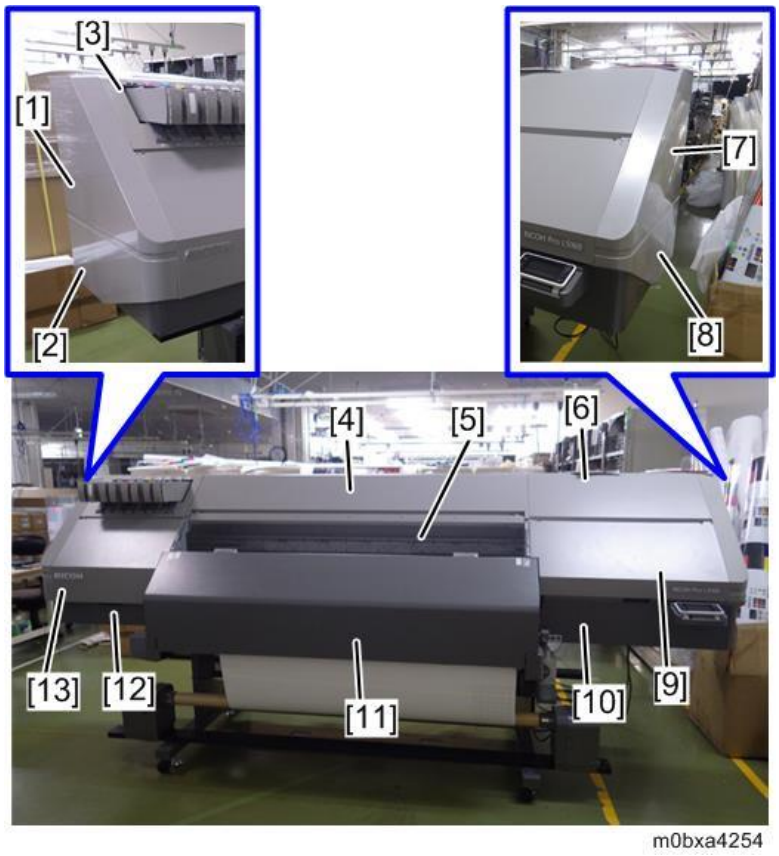
Common Procedures

⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before removing the covers. Removing the covers in an energized state constitutes an electric shock hazard and could cause a malfunction.
- After the power plug is unplugged, residual charge may still be left in the PSU. Be careful not to touch PSU while operating the machine.

Exterior Cover Layout

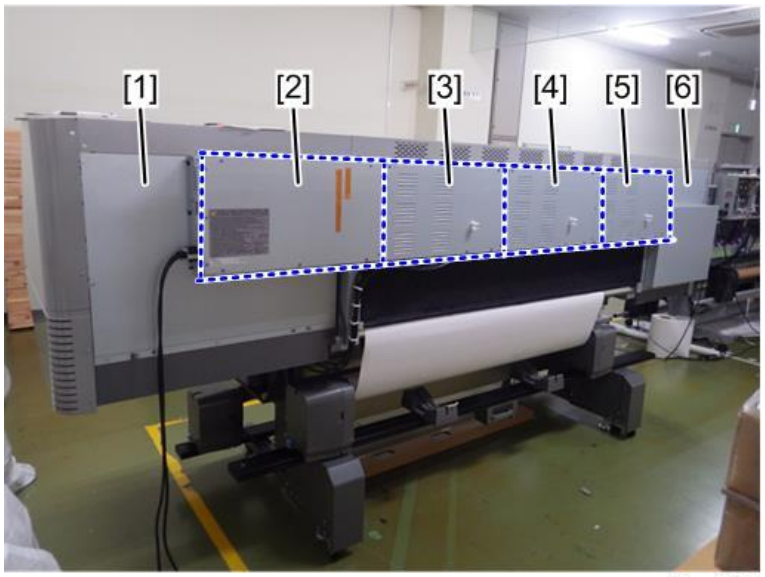
Front side



No.	Part Name	Screw Qty.	Remarks
1	Left side upper cover	Remove: 3	Before removing the left side upper cover, remove the left front cover.
2	Left side lower cover	Remove: 5	Before removing the left side lower cover, remove the left front cover and the left side upper cover.
3	Left upper cover	Remove: 9	Before removing left upper cover, remove the covers as shown below. • Left front cover • Left side upper cover

No.	Part Name	Screw Qty.	Remarks
			• Rear left cover
4	Top cover	Remove: 5	Before removing the top cover, remove the covers as shown below. • Right front cover • Right side upper cover • Rear left cover • Right upper cover • Left front cover • Left side upper cover • Rear right cover • Left upper cover
5	Middle cover	-	-
6	Right upper cover	Remove: 6	Before removing the right upper cover, remove the covers as shown below. • Right front cover • Right side upper cover
7	Right side upper cover	Remove: 3	-
8	Right side lower cover	Remove: 4	Before removing the right side lower cover, remove right side upper cover.
9	Right front cover	Remove: 2	Before removing the right front cover, remove the retaining rings at the stopper section.
10	Right bottom cover	Remove: 4	Before removing the right bottom cover, remove the covers as shown below. • Right side upper cover • Right side lower cover • Rear right cover
11	Cure heater cover	Remove: 10	-
12	Left bottom cover	Remove: 4	Before removing the left bottom cover, remove the covers as shown below. • Left side upper cover • Left side lower cover • Rear left cover • Rear front cover
13	Left front cover	Remove: 2	-

Rear side



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No.	Part Name	Screw Qty.	Remarks
1	Rear right cover	• Pro L5160 Remove:10 • Pro L5130 Remove:8	-
2	Controller box left cover	Remove: 9 Loosen: 2	-
3	Controller box right cover 3	Remove: 9 Loosen: 2	-
4	Controller box right cover 2	Remove: 9 Loosen: 2	-
5	Controller box right cover 1	Remove: 9 Loosen: 2	-
6	Rear left cover	Remove: 5 Loosen: 2	-

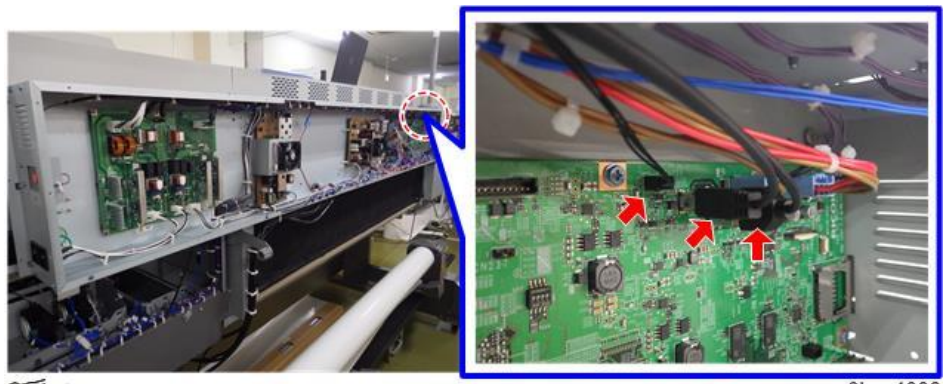
Operation Panel Unit

⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before removing the covers. Removing the covers in an energized state constitutes an electric shock hazard and could cause a malfunction.
- After the power plug is unplugged, residual charge may still be left in the PSU. Be careful not to touch PSU while operating the machine.

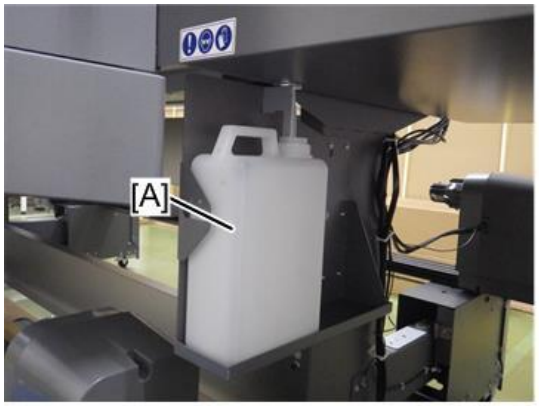
Operation Panel

1. Remove the right side upper cover. (Removing the Right Side Upper Cover)
2. Remove the right side lower cover. (Removing the Right Side Lower Cover)
3. Remove the rear right cover. (Removing the Rear Right Cover)
4. Remove the controller box right cover 1-3 on the rear side of the main unit. (Connecting the Connectors between the Roll Holders and Machine)
5. Disconnect the connectors of the operation panel unit on the GAU.



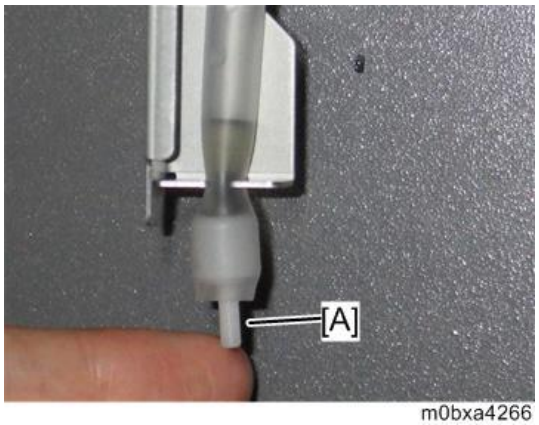
m0bxa4003

6. Remove the waste ink bottle [A], and then close the lid.

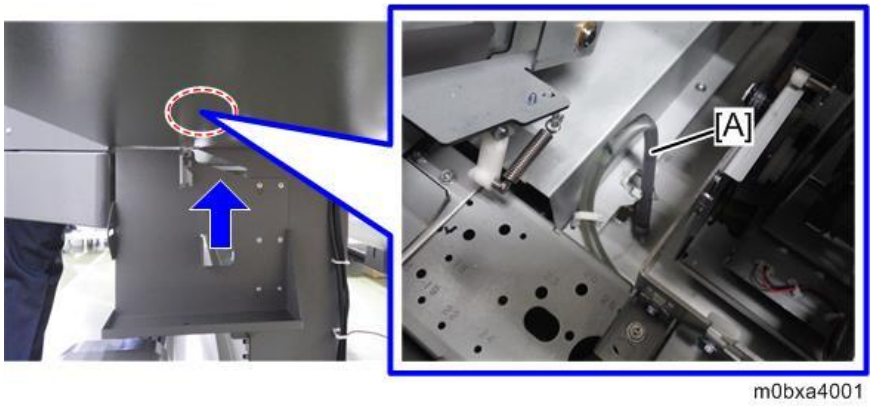


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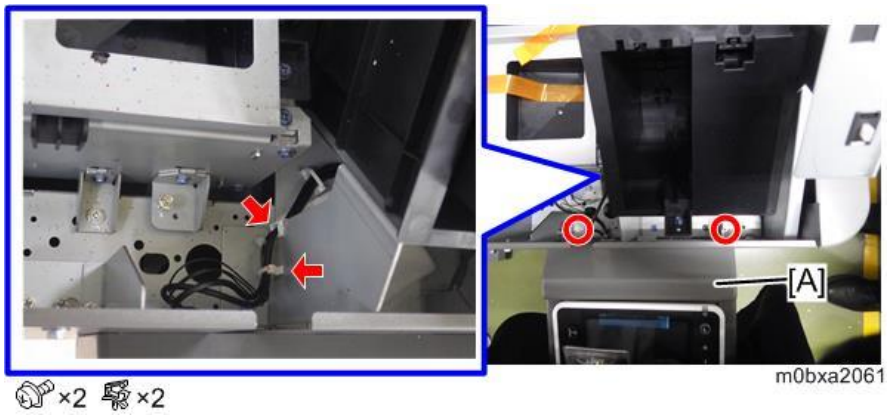
7. Insert the cap [A] into the waste ink tube.



8. Pull up the waste ink tube [A] to the inside of the main unit through the hole of the right bottom cover.

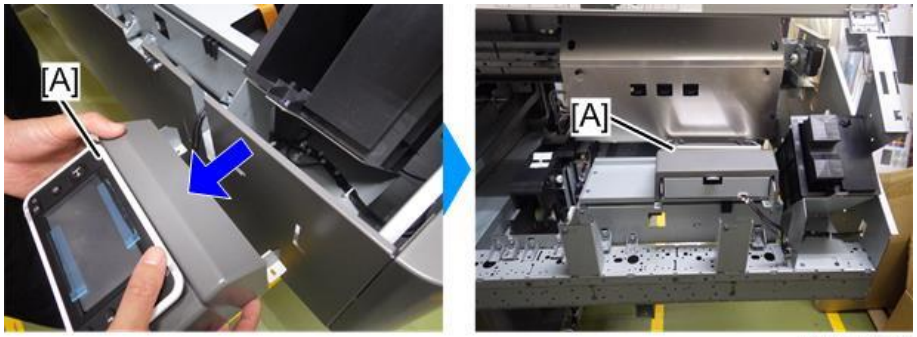


9. Remove the screws which fix the operation panel unit [A].



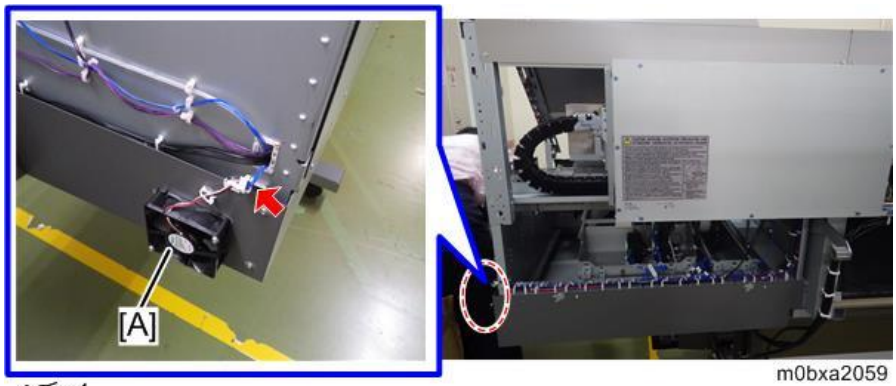
10. Remove the operation panel unit [A] from the cutouts of the right bottom cover, and then lay it on

the ink receiving port cover.



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11. Disconnect the connector of the internal ventilation fan [A].

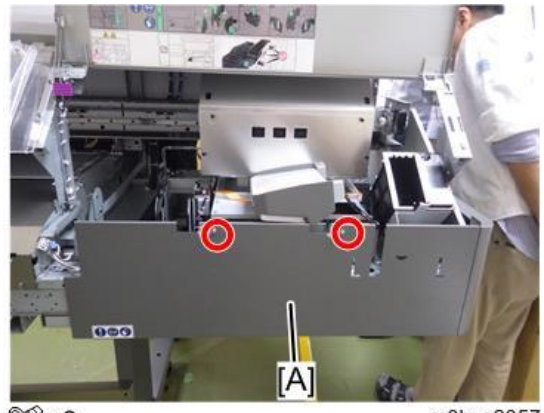


×1

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12. Remove the right bottom cover.

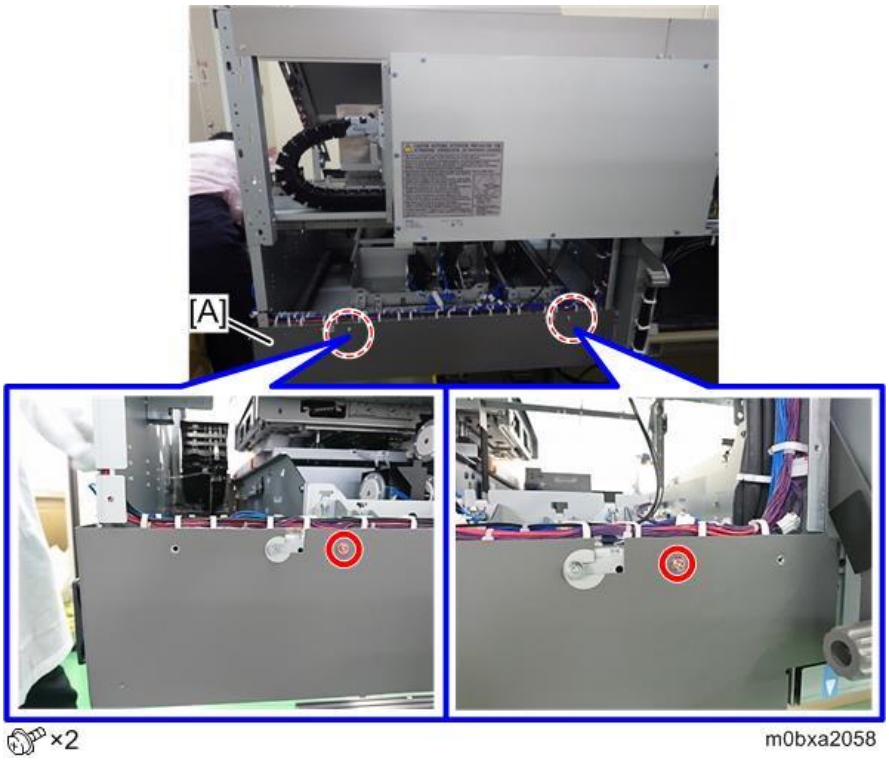
- Front side



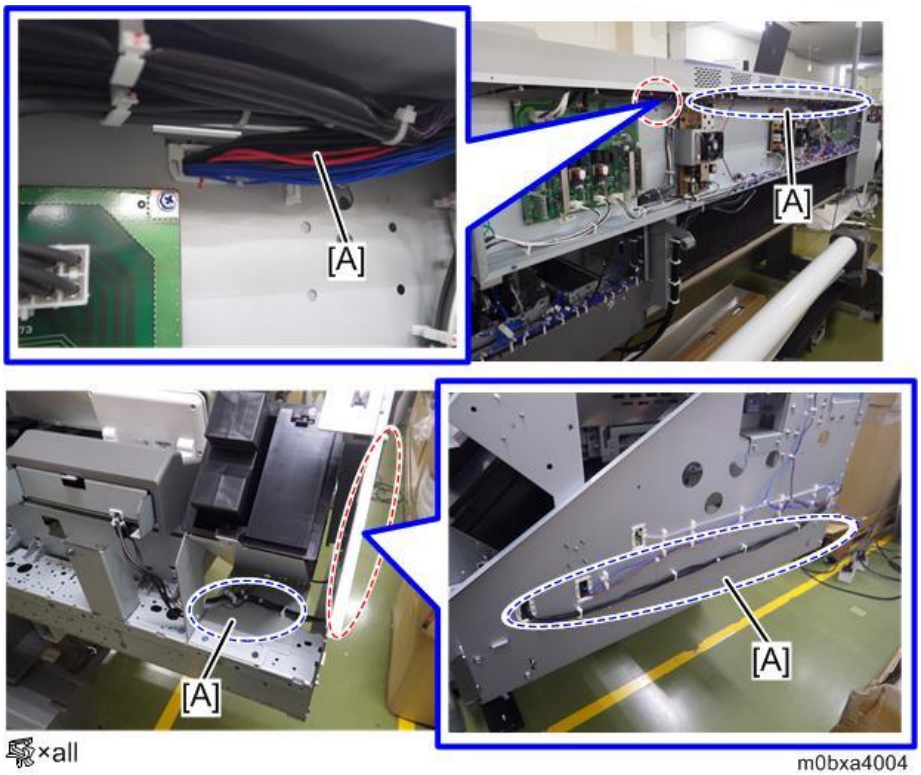
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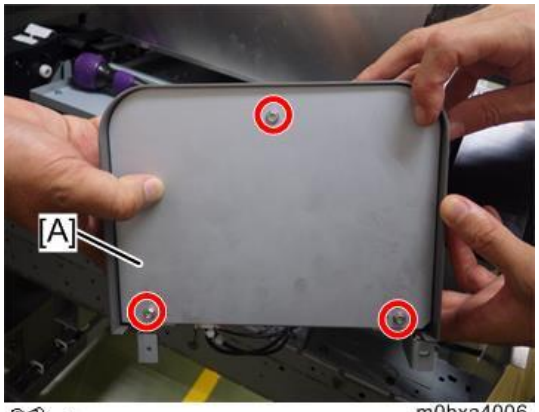
- Rear side



13. Open the clamps to release the harnesses [A].

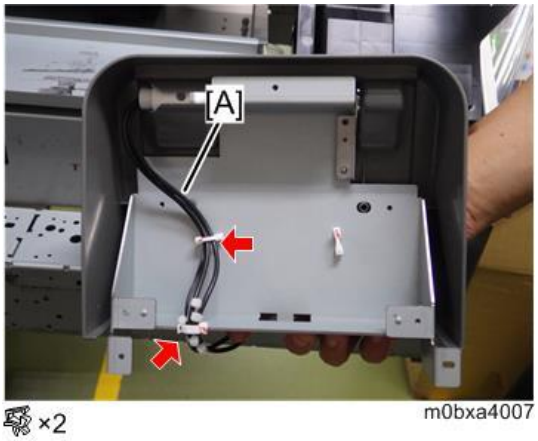


14. Remove the fixing screws from the rear side [A] of the operation panel unit.

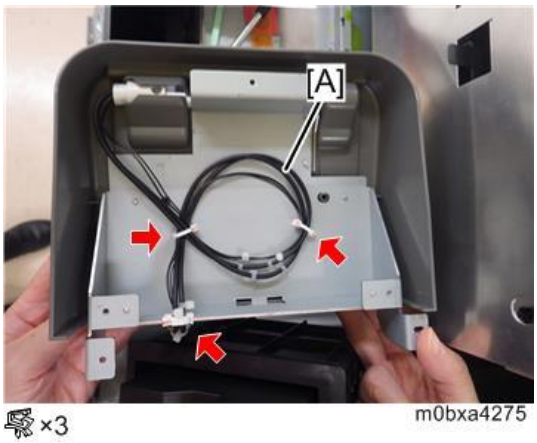


15. Open the clamps to release the harnesses [A].

- Pro L5160



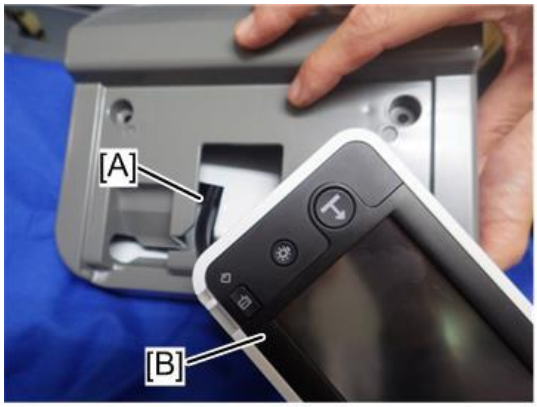
- Pro L5130



16. Remove the fixing screws from the top side of the operation panel unit.



17. Pull out the harnesses [A] from the cutout of the bracket and remove the operation panel [B].



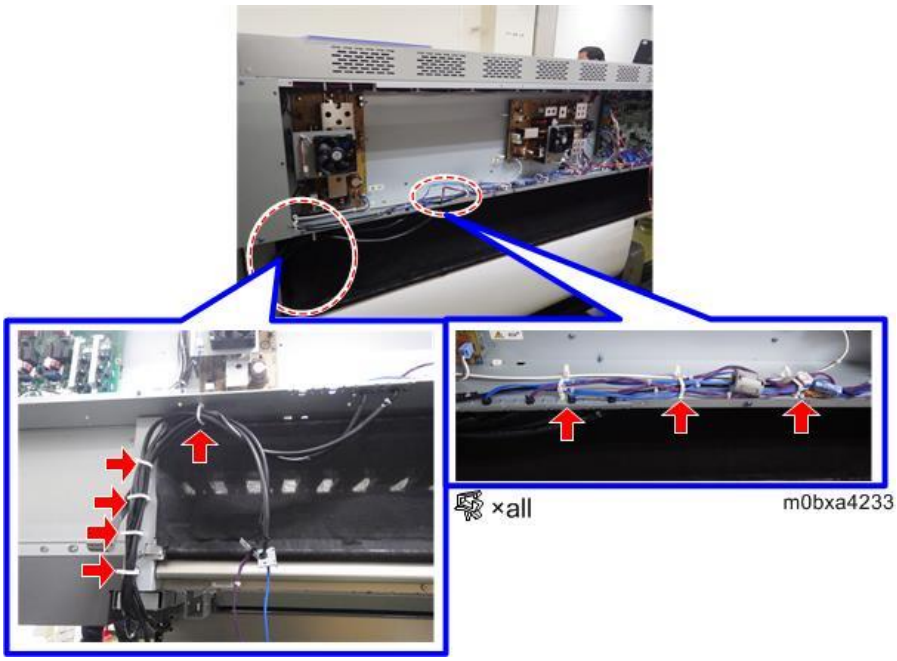
Paper Feed Section

⚠CAUTION

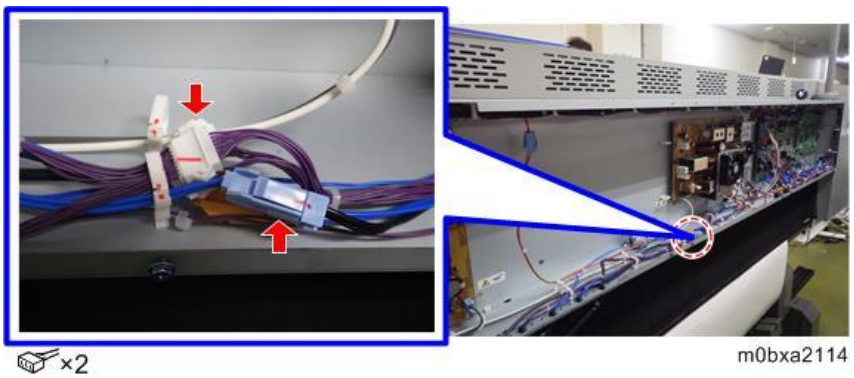
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before removing the covers. Removing the covers in an energized state constitutes an electric shock hazard and could cause a malfunction.
- After the power plug is unplugged, residual charge may still be left in the PSU. Be careful not to touch PSU while operating the machine.

Roll Holder

1. Remove the controller box right cover 1-3 on the rear side of the main unit.(Connecting the Connectors between the Roll Holders and Machine)
2. Open the clamps to release the harnesses.

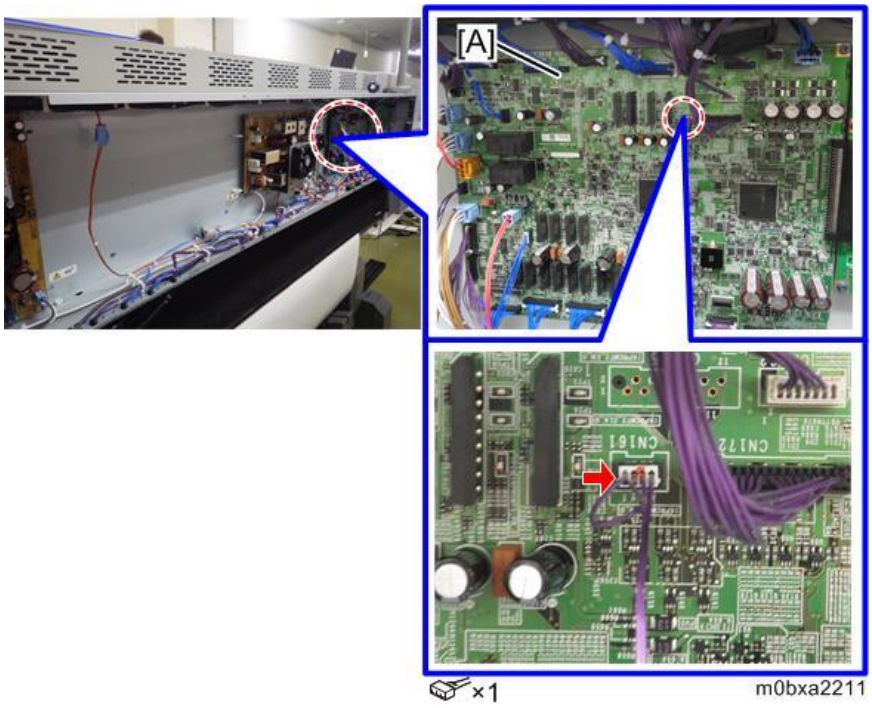


3. Disconnect the connectors of the roll holder.

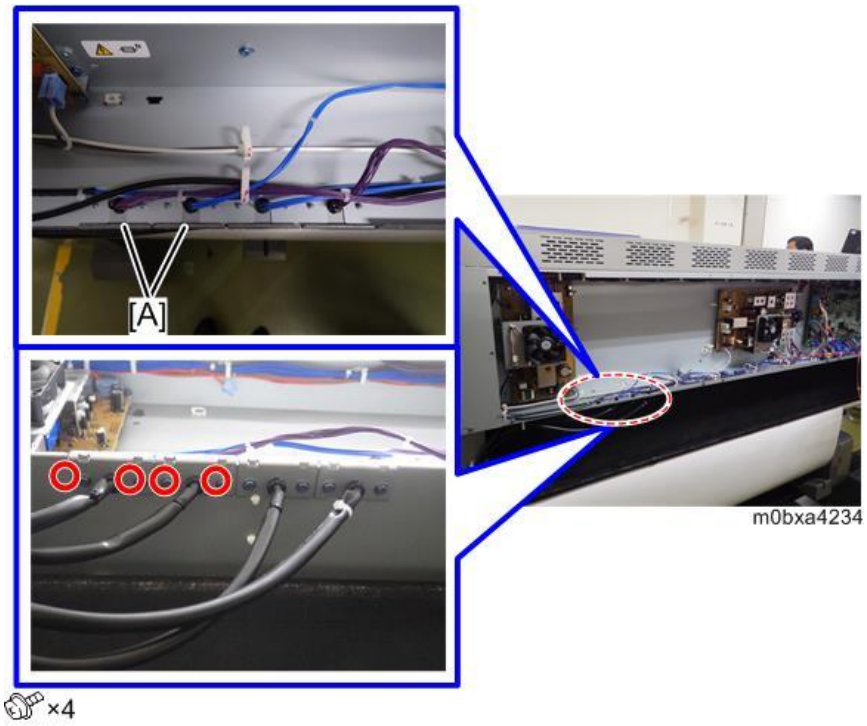


4. Remove the connector (the connector for the roll feed unit set switch) connected to CN161 on the

IOB [A].

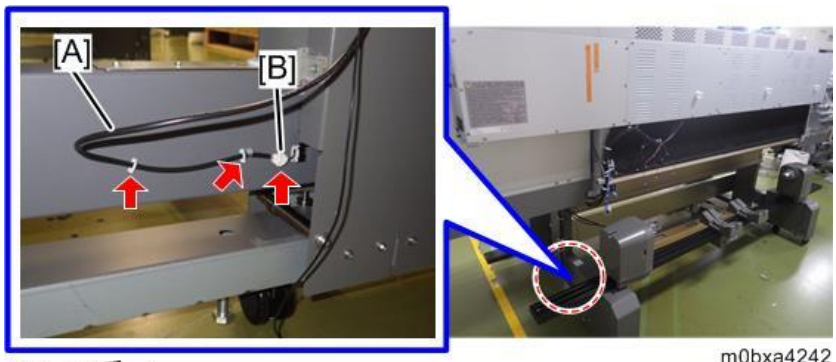


5. Remove the brackets [A].

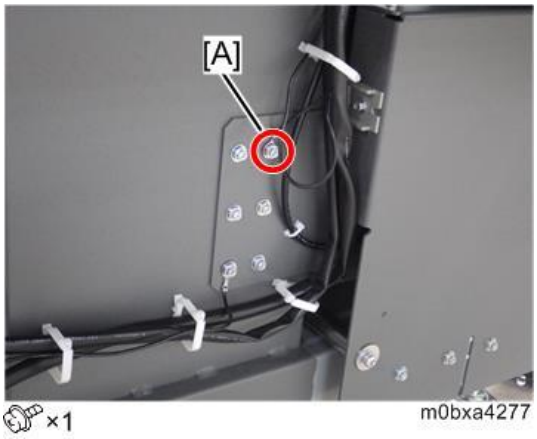


6. Disconnect the harness connector [A] of the roll holder from the connector [B] of the paper feed

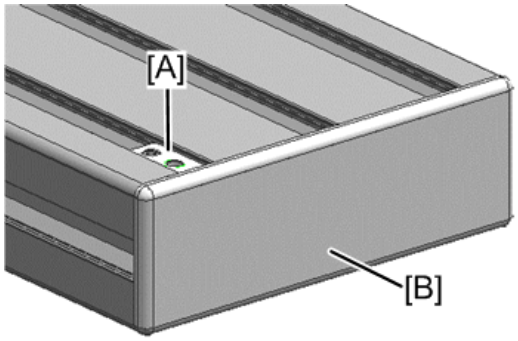
support stay.



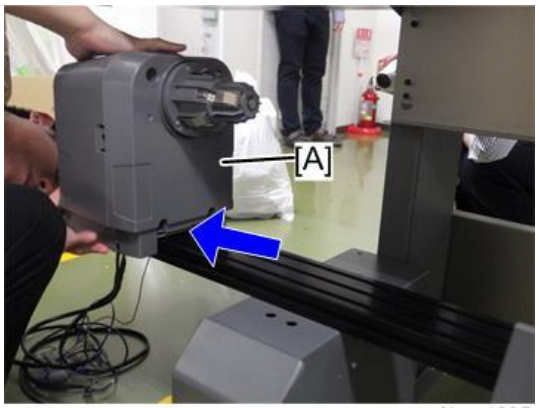
7. Remove the ground cable [A].



8. Remove the end caps [B] from the both sides of the stay, and then remove the retaining parts [A].



9. Remove the roll holders [A] from the both sides of the stay.
(The picture below shows the one side of the stay.)



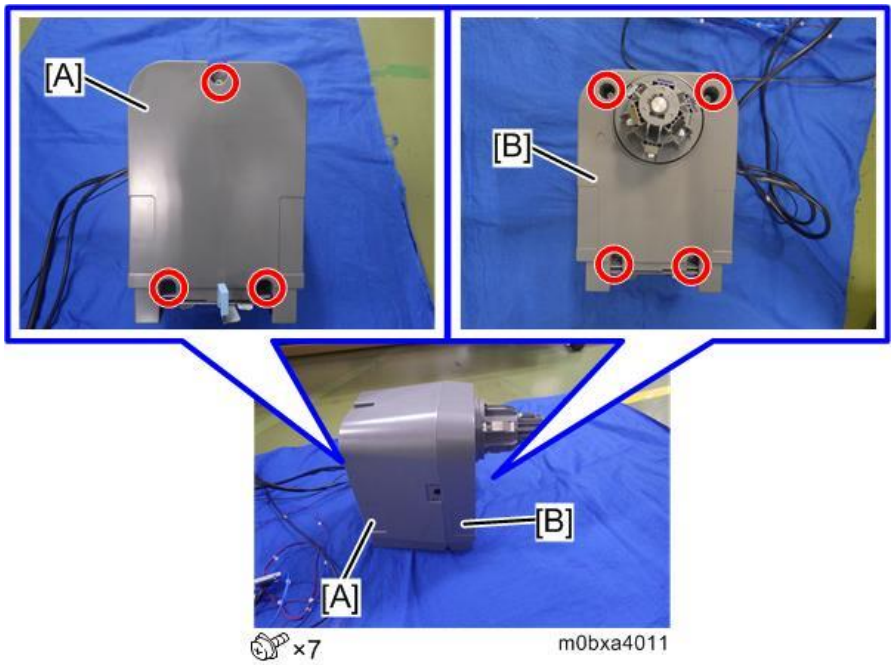
m0bxa4235

10. After replacing the roll holders, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Paper Feed Motor

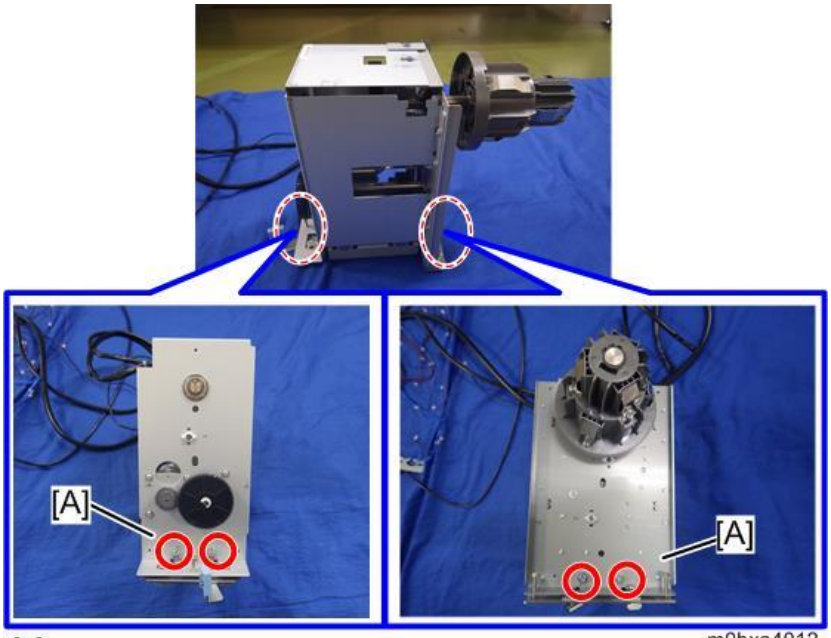
1. Remove the roll holder. (Roll Holder)

2. Remove the exterior covers [A] and [B].

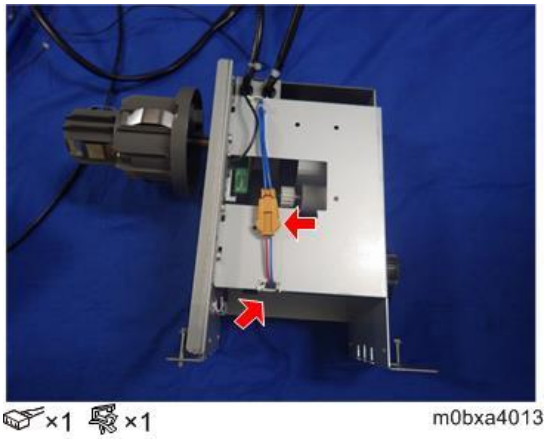


m0bxa4011

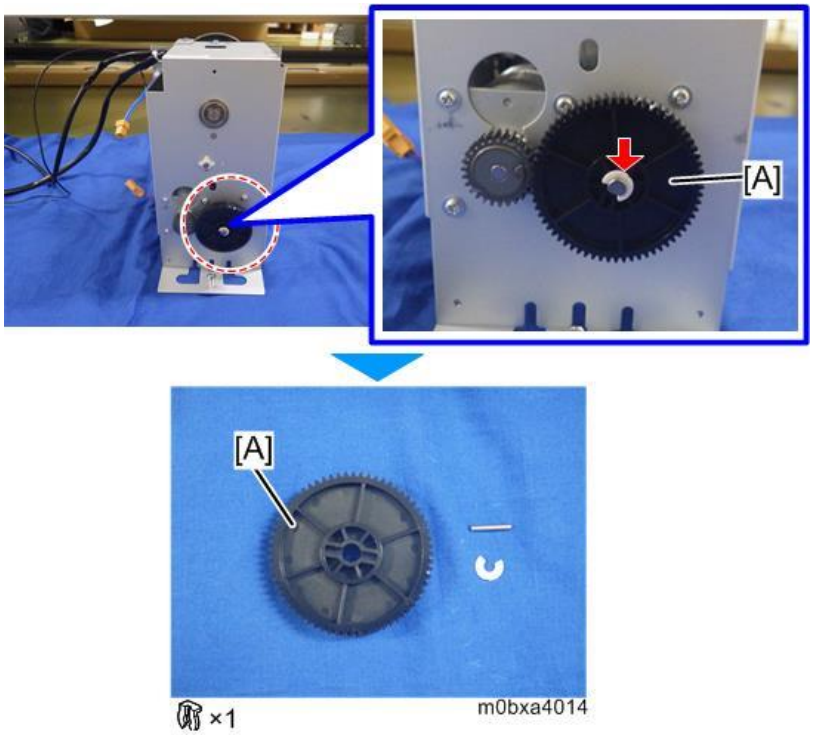
3. Remove the fixing screws from the support plate [A].



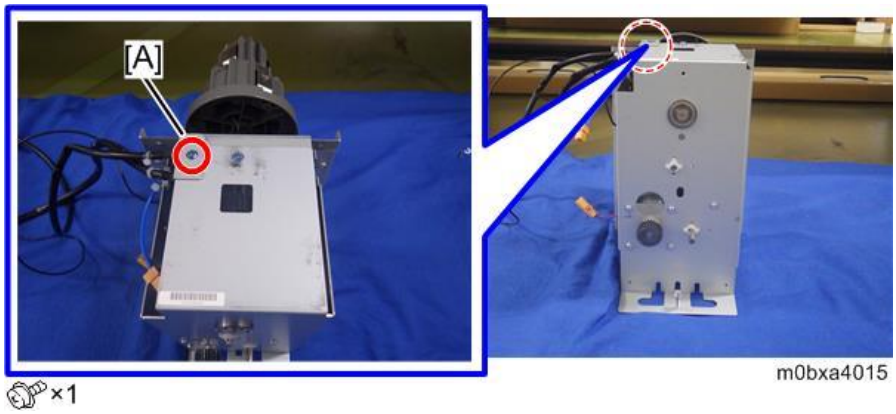
4. Remove the connector and clamp.



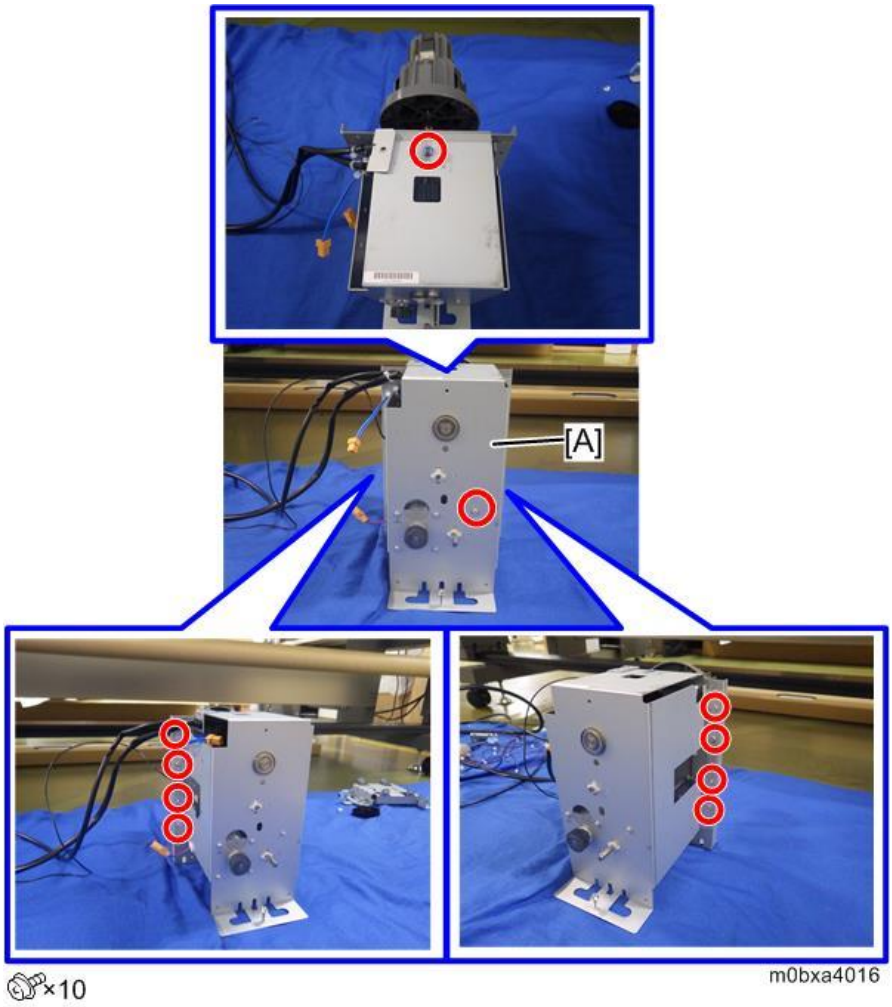
5. Remove the gear [A].



6. Remove the harness bracket [A].



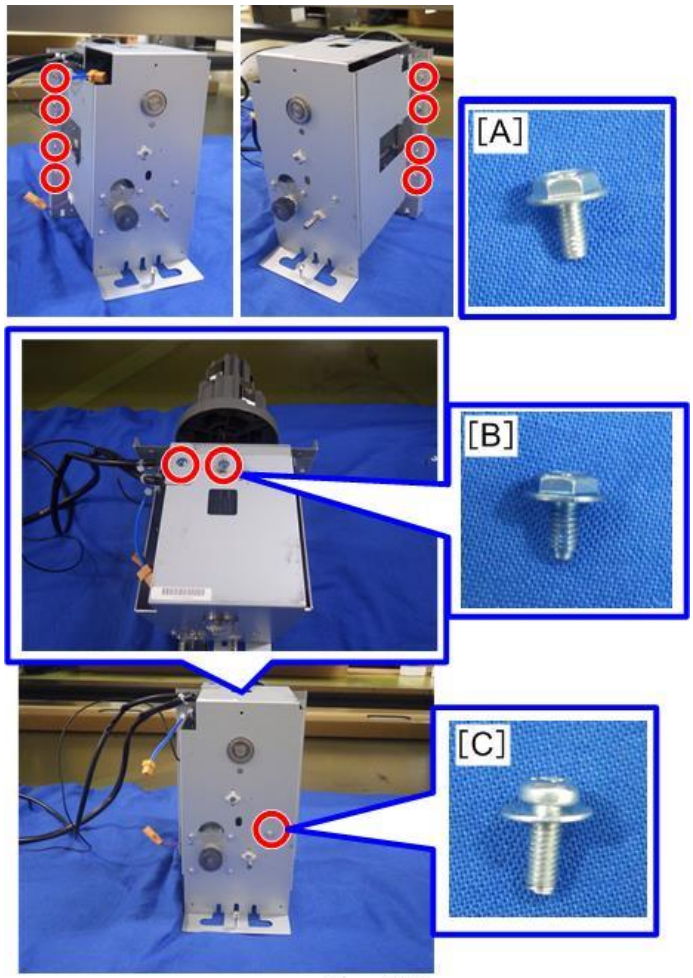
7. Remove the fixing screws from the support plate [A].



Note

When attaching the support plate, make sure to use the correct screws for each position.

- [A] : M3X6
- [B] : M3X6 (Round point)
- [C] : M3X8



m0bxa4018

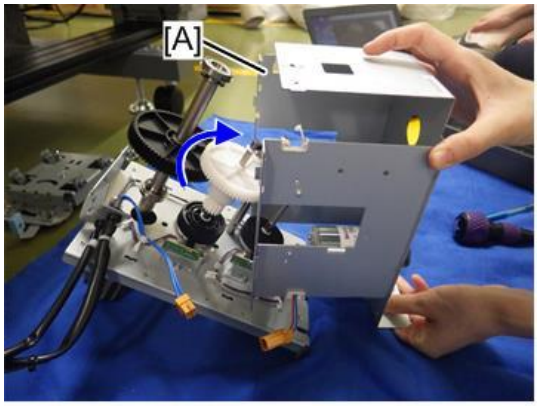
Fasten the screw with the earth cable at the position [A].



×1

m0bxa4019

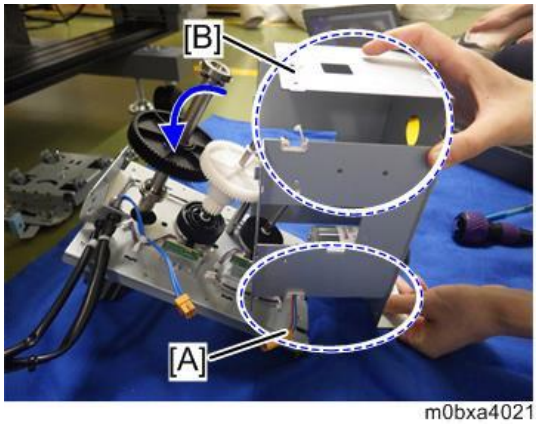
8. Remove the support plate [A] by moving it in the direction of the arrow.



m0bxa4020

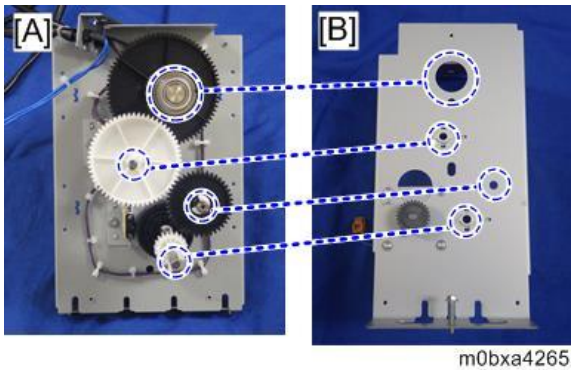
Note

When installing the support plate, cover the bracket with the support plate from the bottom side [A], and then attach the upper side [B] as shown below by the arrow.



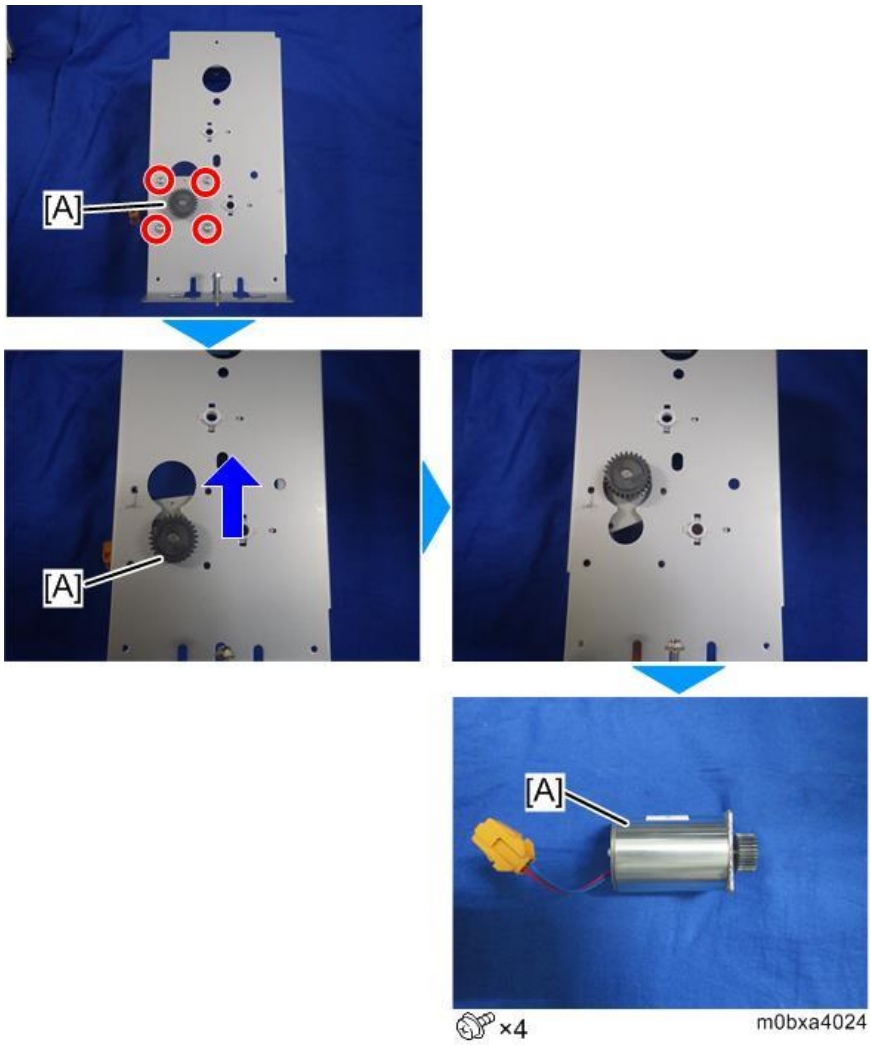
m0bxa4021

When installing the support plate, make sure that the shafts [A] fit into the cutouts [B] of the support plate.



m0bxa4265

9. Remove the paper feed motor [A].

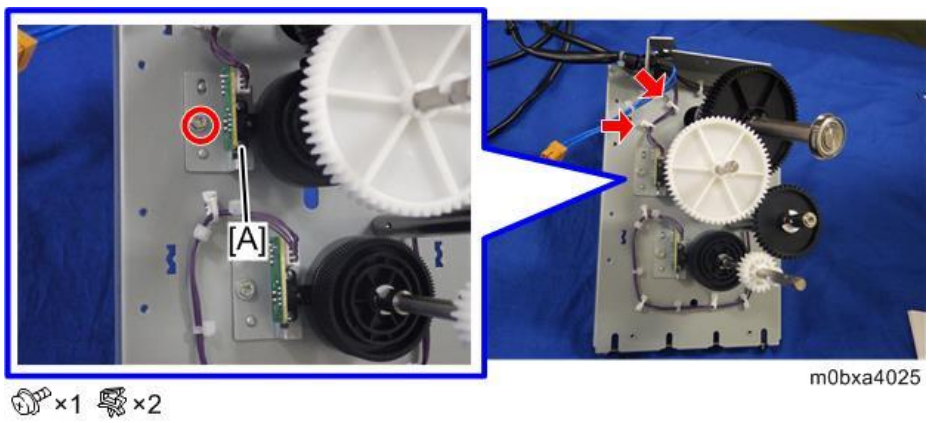


10. After replacing the roll holders, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

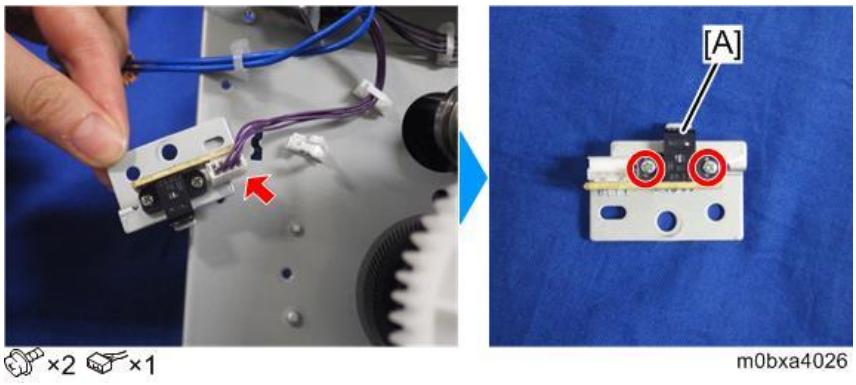
Roll Paper Residual Amount Encoder Sensor

1. Remove the support plate of the roll holder. (Paper Feed Motor)

2. Remove the roll paper residual amount sensor [A] with the bracket.



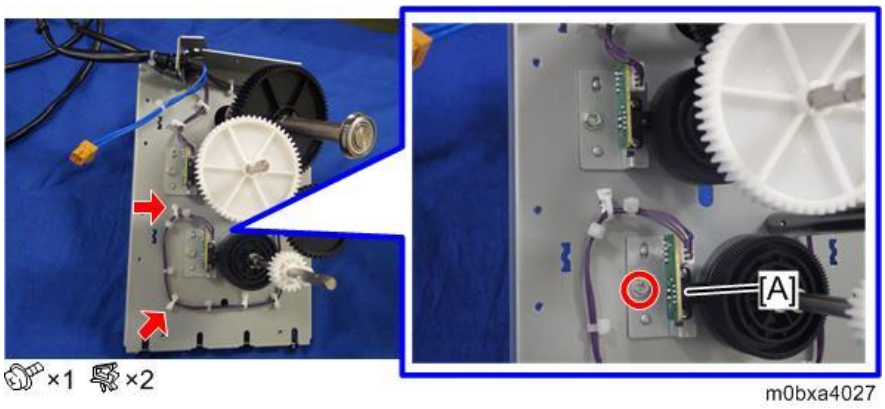
3. Remove the roll paper residual amount sensor [A] from the bracket.



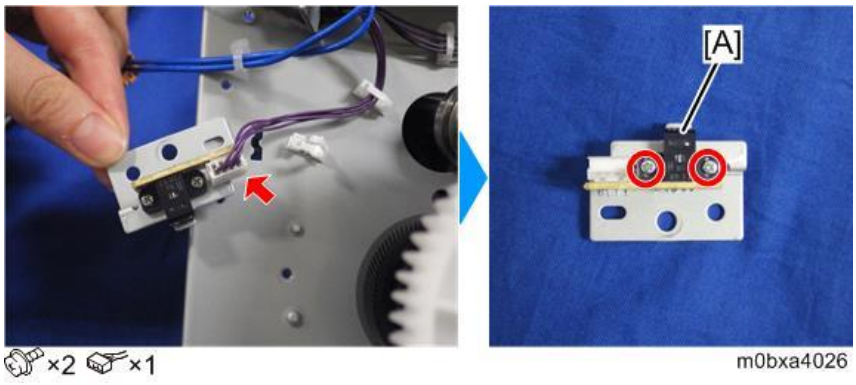
4. After replacing the roll holders, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Paper Feed Encoder Sensor

1. Remove the support plate of the roll holder. (Paper Feed Motor)
2. Remove the paper feed encoder sensor [A] with the bracket.



3. Remove the paper feed encoder sensor [A] from the bracket.



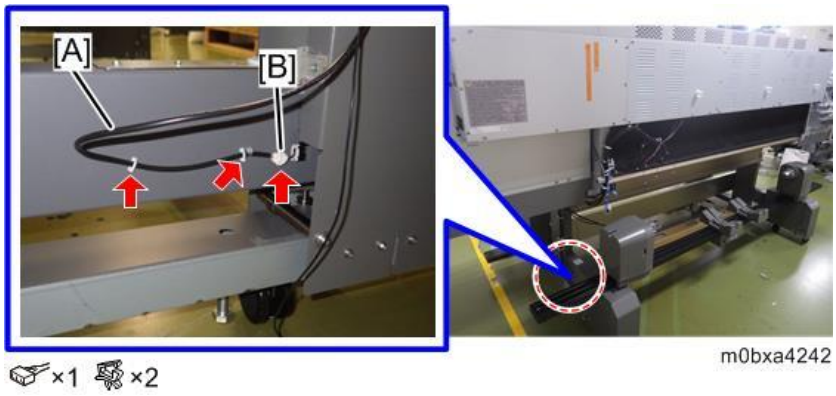
4. After replacing the roll holders, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Roll Feed Unit Set Switch

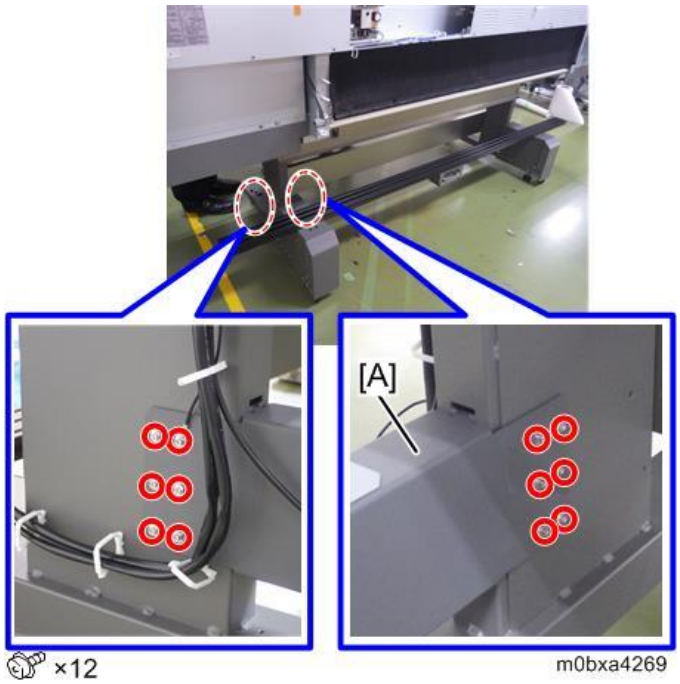
1. Hold the handle [A] and pull out the roll feed unit [B].



2. Disconnect the harness connector [A] of the roll holder from the connector [B] of the paper feed support stay.



3. Remove the screws from the inside and outside of the paper feed support stay [A].

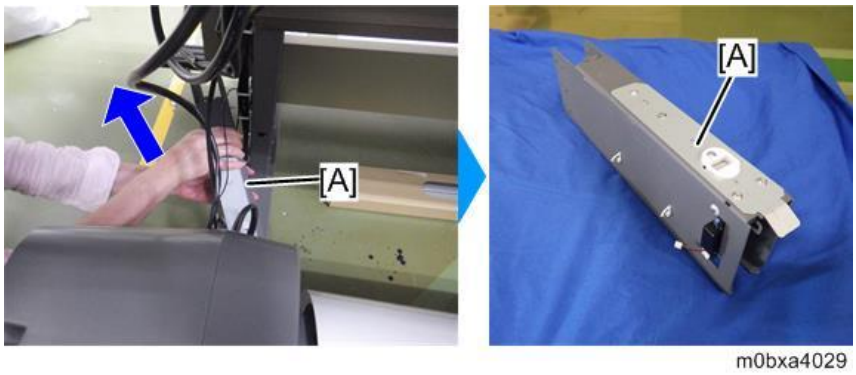


Note

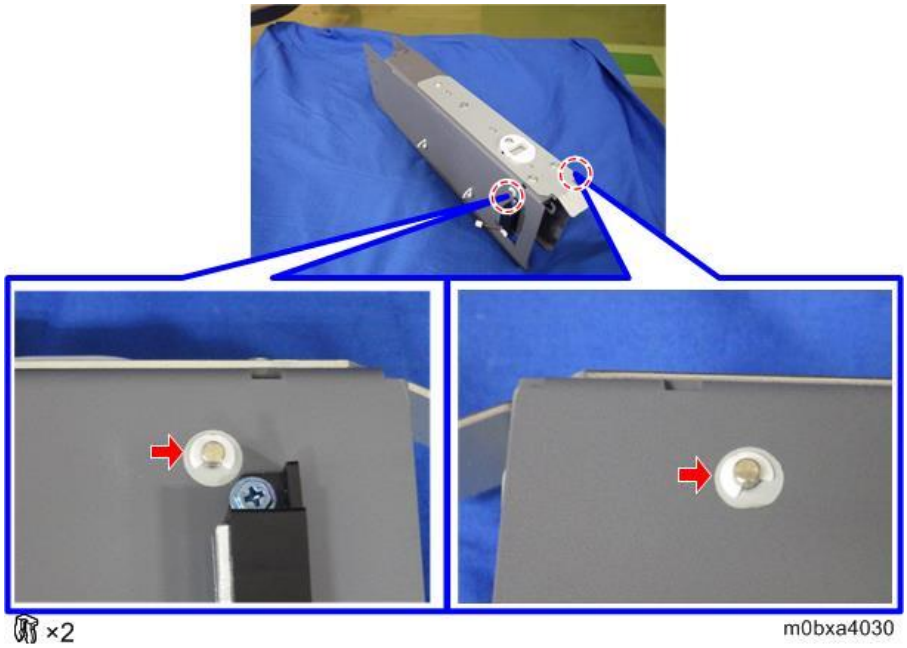
Fasten the screw [A] on the outside of the paper feed support stay with the earth cable of the roll feed unit.



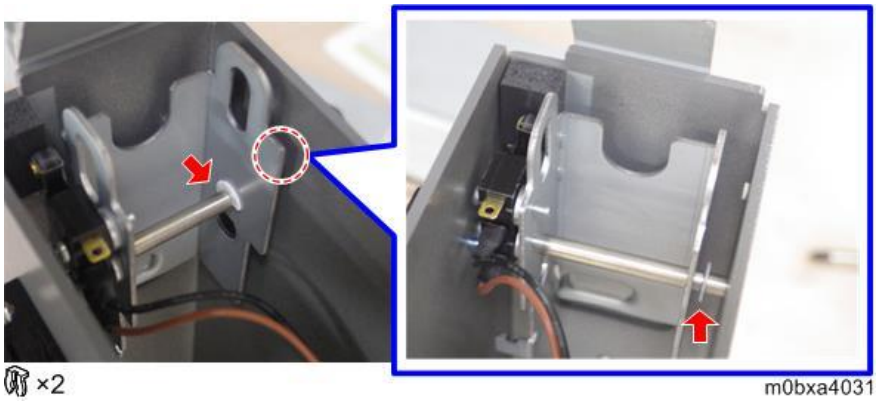
4. Remove the paper feed support stay [A].



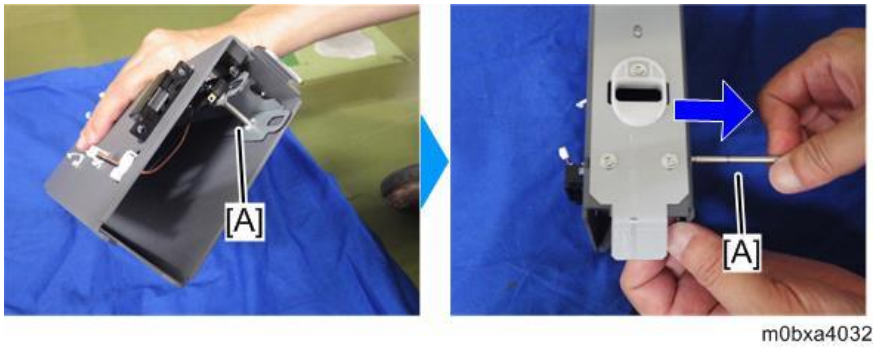
5. Remove the snap rings.



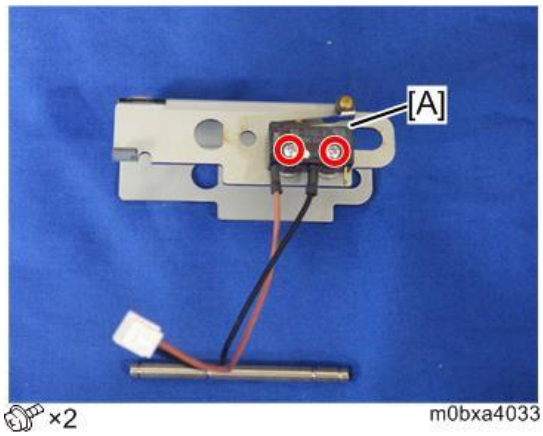
6. Remove the snap rings inside the paper feed support stay.



7. Pull out the pin [A].



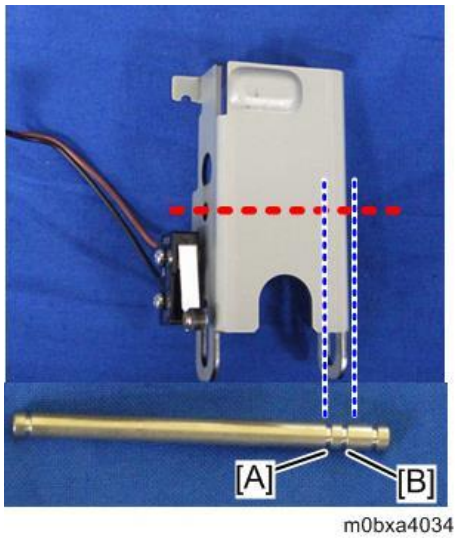
8. Remove the roll feed unit set switch [A].



Note

When attaching the roll feed unit set switch, set the hole of the bracket to the position between the grooves [A] and [B] of the pin.

The groove [A] is positioned inside the bracket. The groove [B] is positioned outside the bracket.

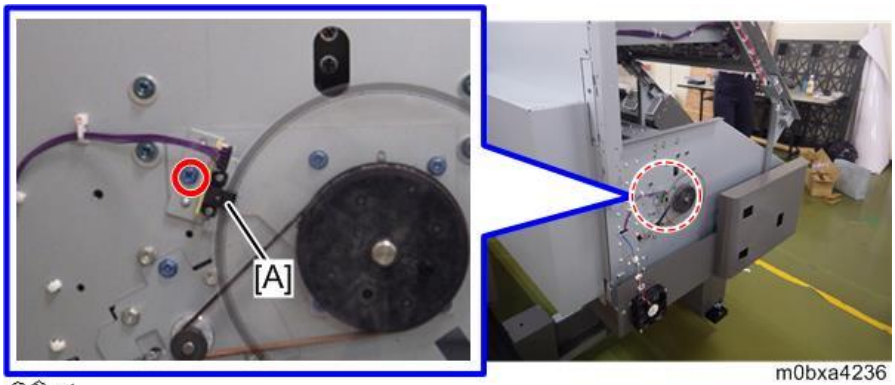


9. After replacing the roll holders, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Media Transport Unit

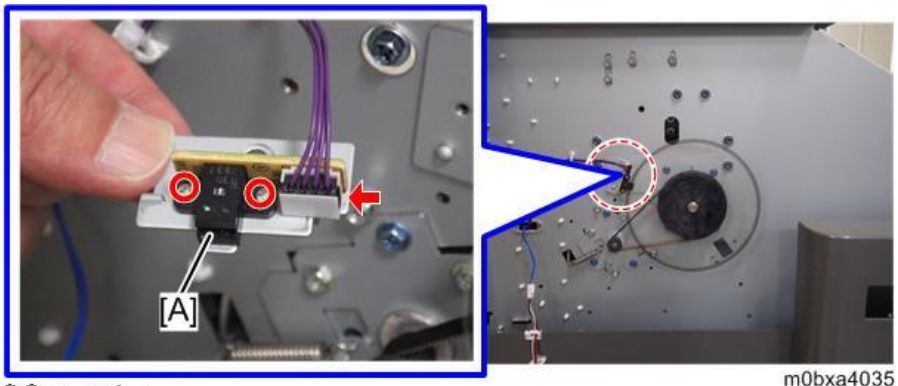
Sub Scan Encoder Sensor/Encoder

1. Remove the left side upper cover. (Removing the Left Side Upper Cover)
2. Remove the left side lower cover. (Removing the Left Side Lower Cover)
3. Remove the sub scan encoder sensor [A] with the bracket.



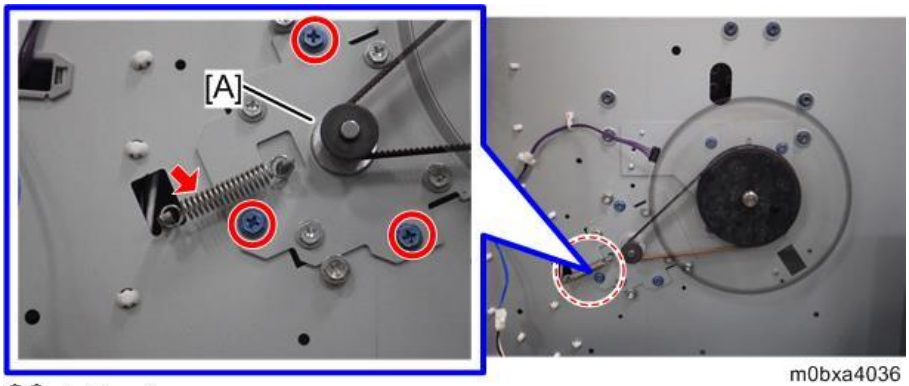
×1

4. Remove the sub scan encoder sensor [A] from the bracket.



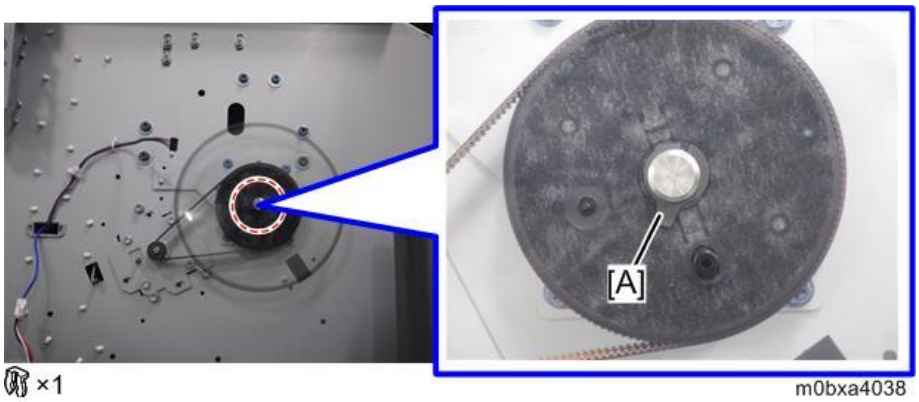
×2 ×1

5. Remove the screws and the spring to release the sub scan motor [A].

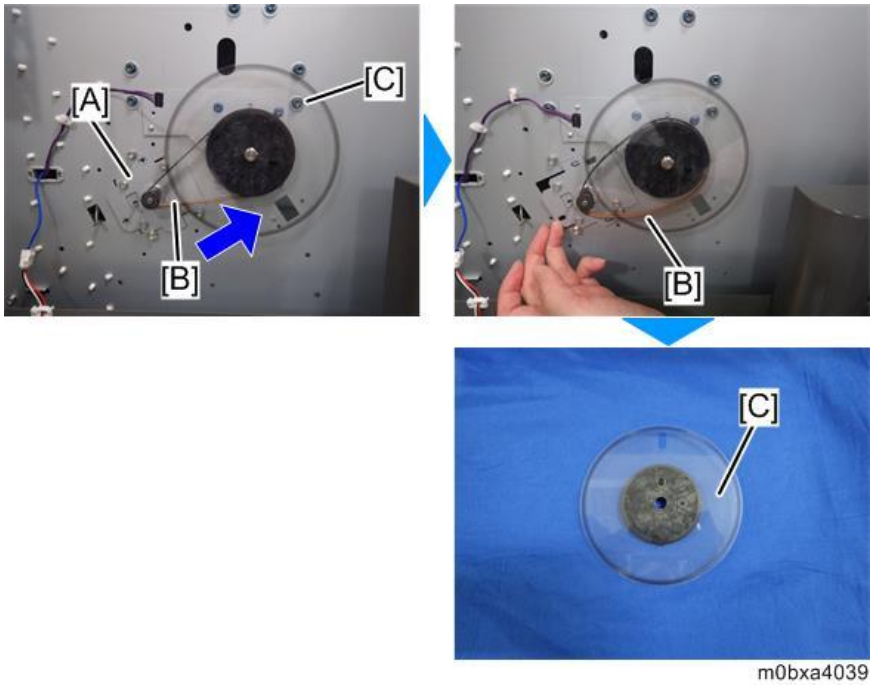


×3 ×1

6. Remove the snap ring [A] from the sub scan encoder.

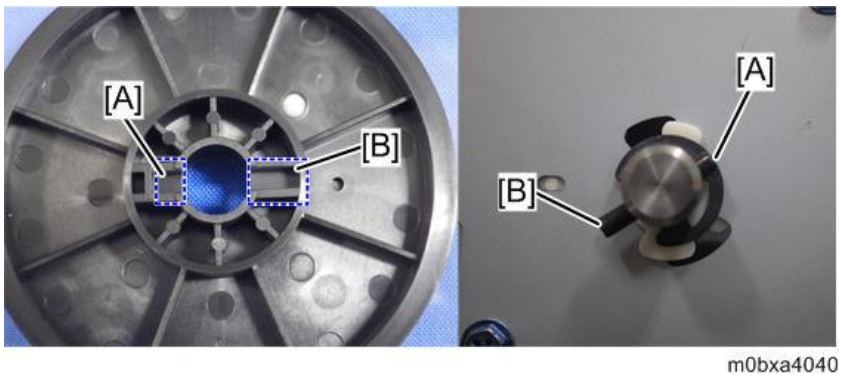


7. Move the sub scan motor [A] with the bracket in the direction of the arrow to loosen the timing belt [B], and then remove the encoder [C].



Note

When attaching the sub scan encoder, set the depressions [A] [B] of the rear side of the encoder to the pins [A] and [B].



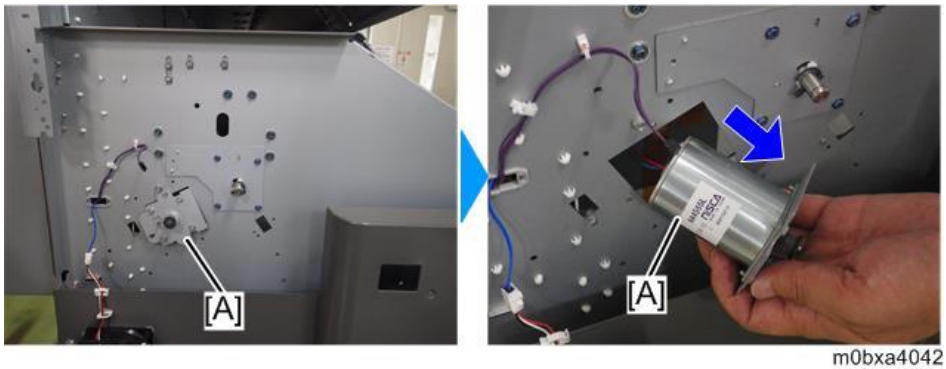
Sub Scan Motor

1. Remove the sub scan encoder sensor and the sub scan encoder (Sub Scan Encoder Sensor/Encoder)
2. Disconnect the connector of the sub scan motor.



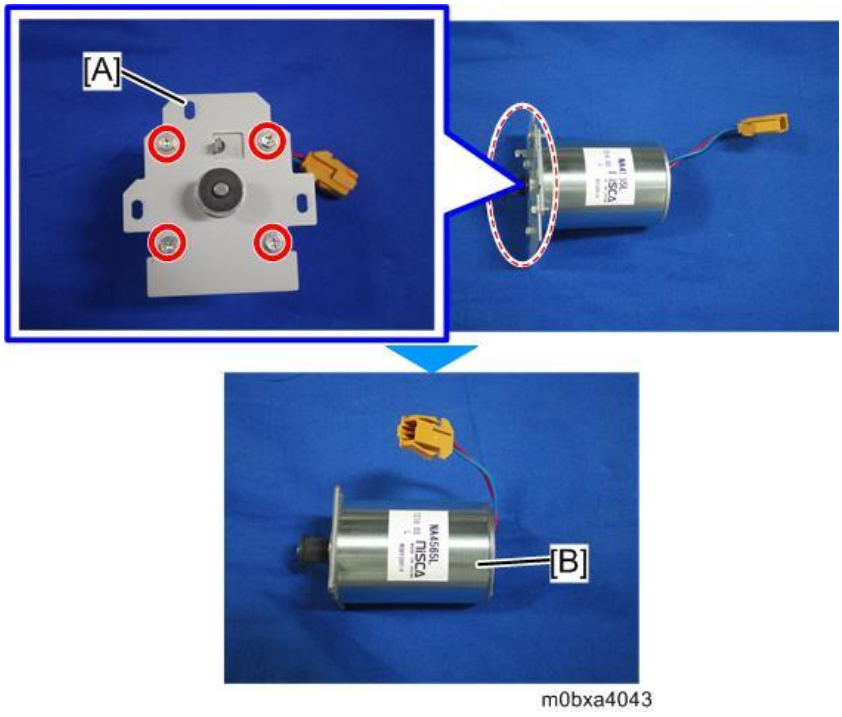
m0bxa4041

3. Pull out the sub scan motor [A] with the bracket.



m0bxa4042

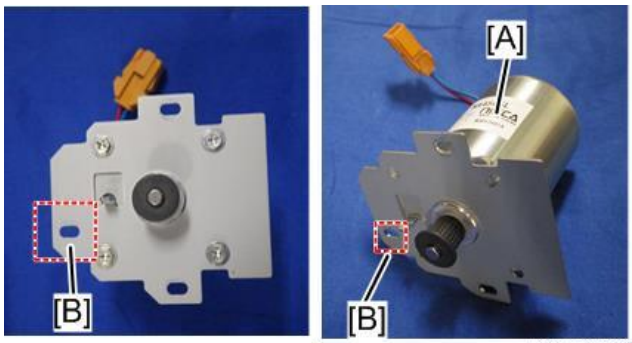
4. Remove the sub scan motor [B] from the bracket [A].



m0bxa4043

Note

When attaching the sub scan motor to the bracket, the hole [B] of the bracket is on the left lower side of the motor label [A].



m0bxa4044

Front Registration Sensor

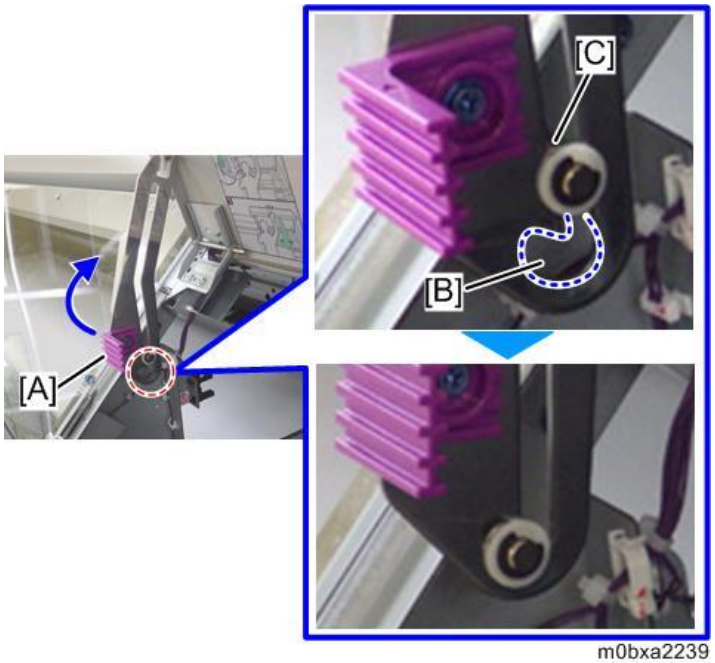
1. Open the right front cover [A].



m0bxa2048

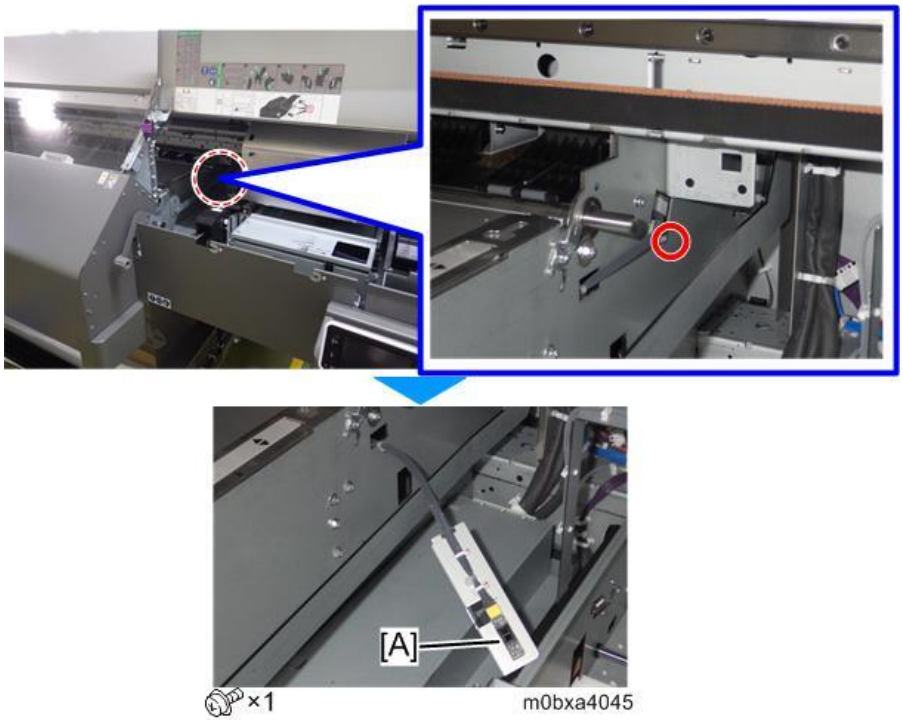
Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.

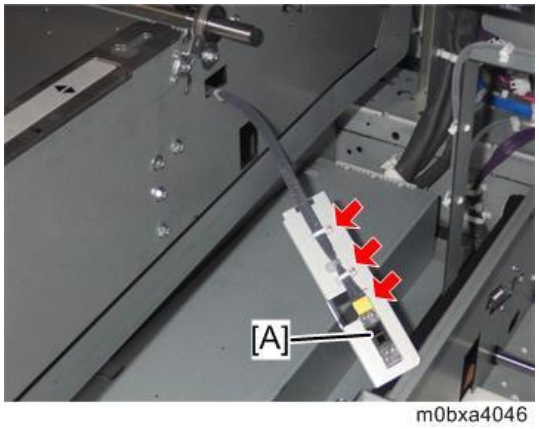


m0bxa2239

2. Remove the front registration sensor [A] with the bracket.



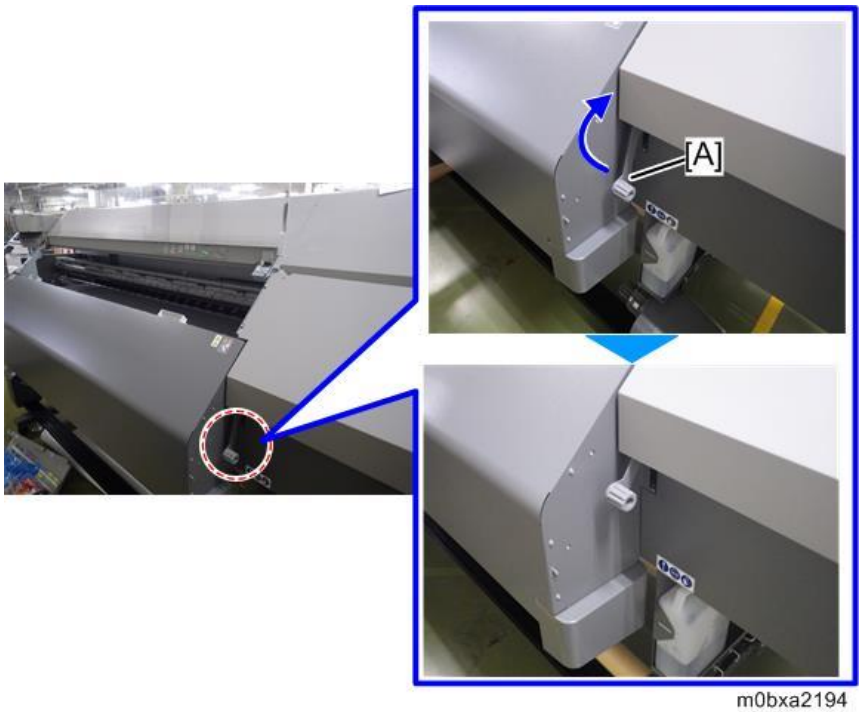
3. Remove the front registration sensor [A] from the bracket.



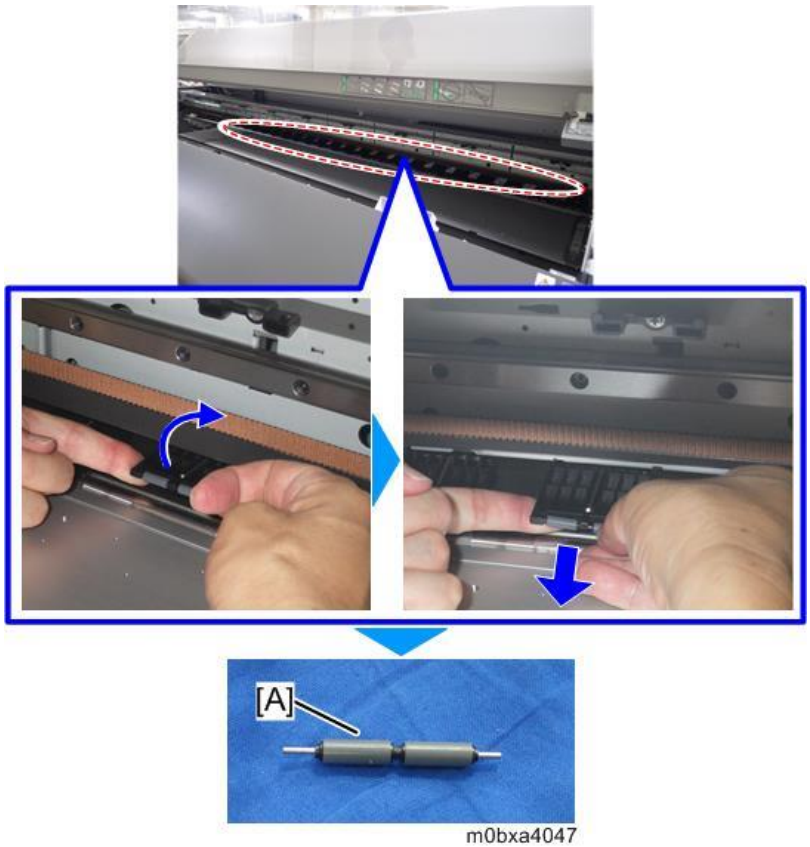
Pinch Roller

1. Open the middle cover.

2. Raise the media holding lever [A].



3. Raise the arm of the pinch roller [A], and then push down it to remove.



Registration Pressure Release Sensor

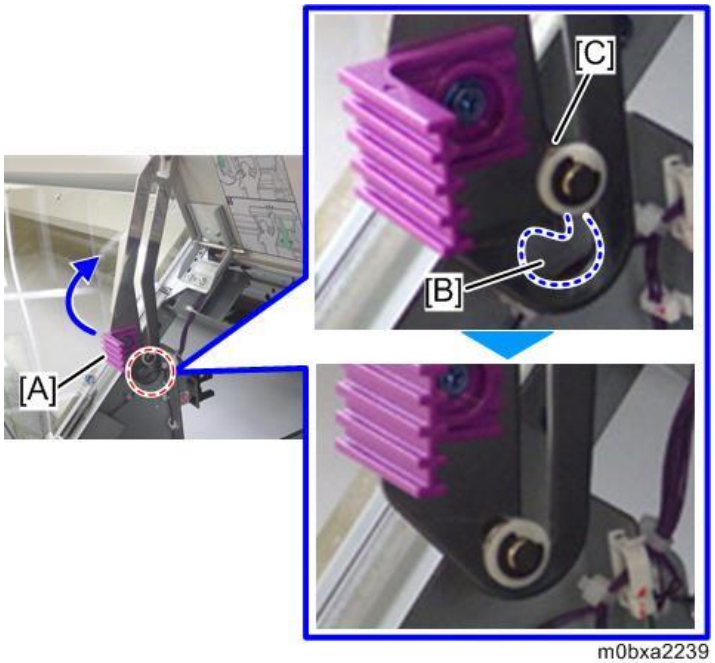
1. Open the right front cover [A].



m0bxa2048

Note

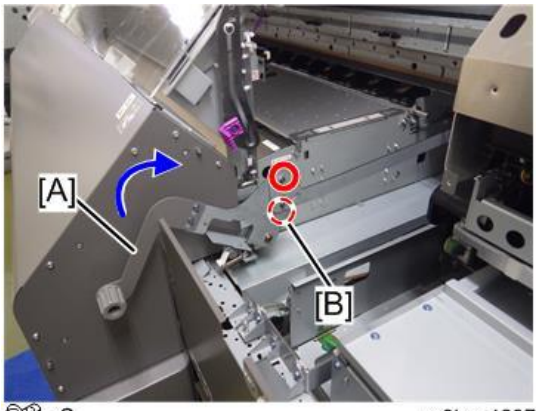
Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



m0bxa2239

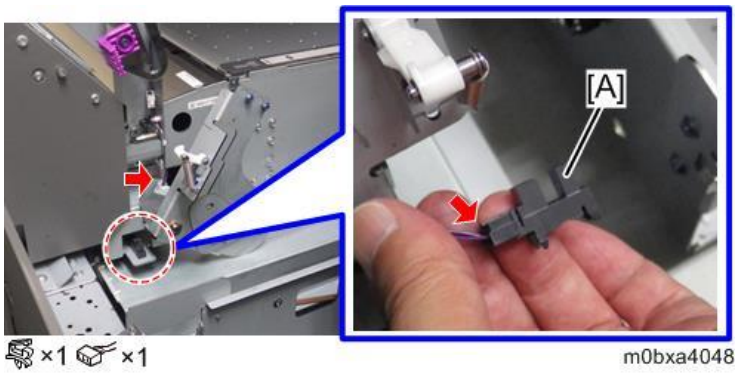
2. Move the media holding lever [A] to the inside of the main unit.

When moving the media holding lever, loosen the screw [B].



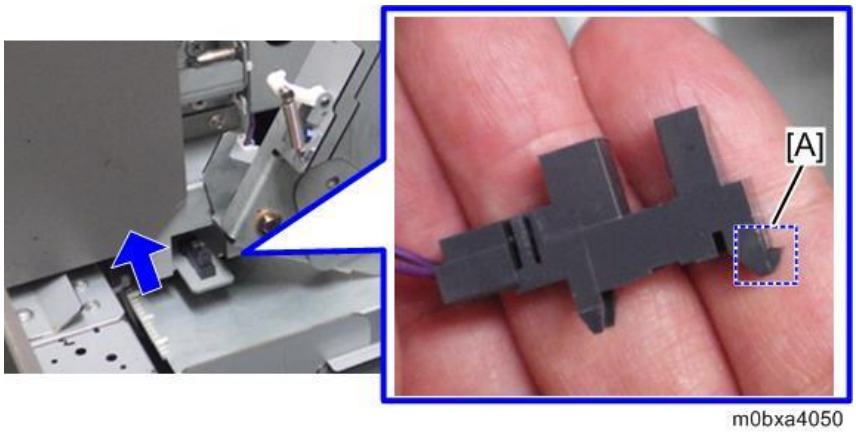
×2 m0bxa4237

3. Remove the registration pressure release sensor [A].



Note

Remove the hook [A] of the registration pressure release sensor when removing it.



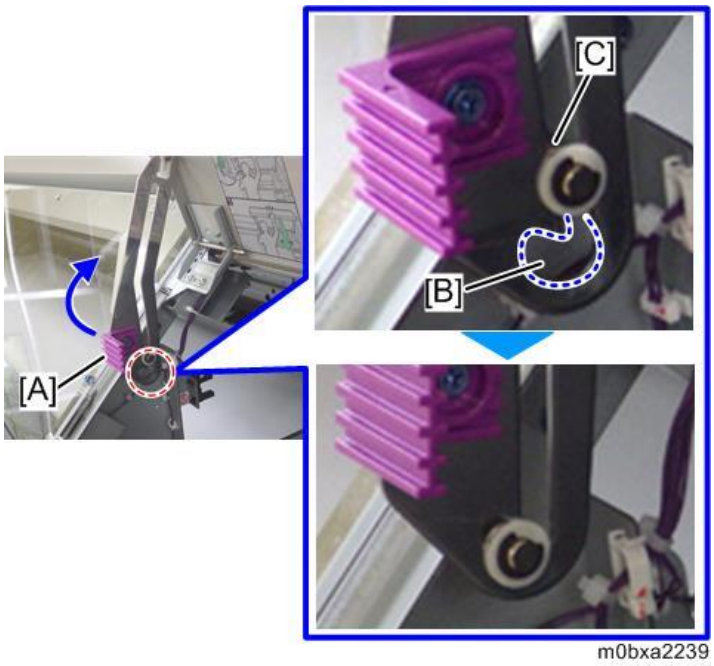
Port Cover Detection Sensor

1. Open the right front cover [A].

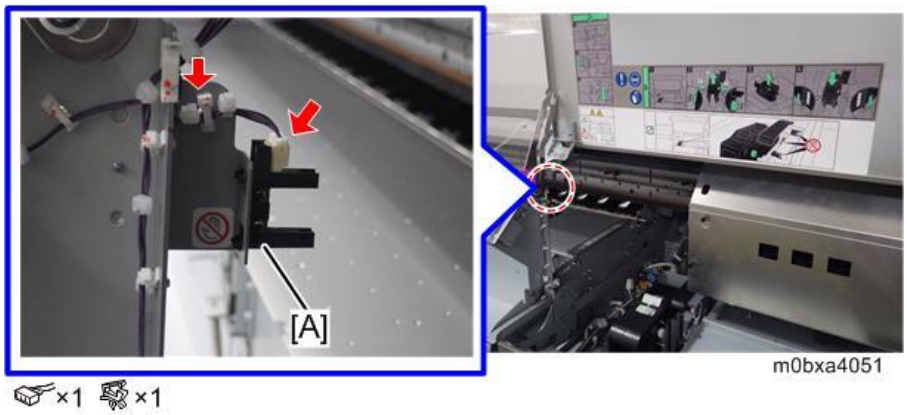


Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



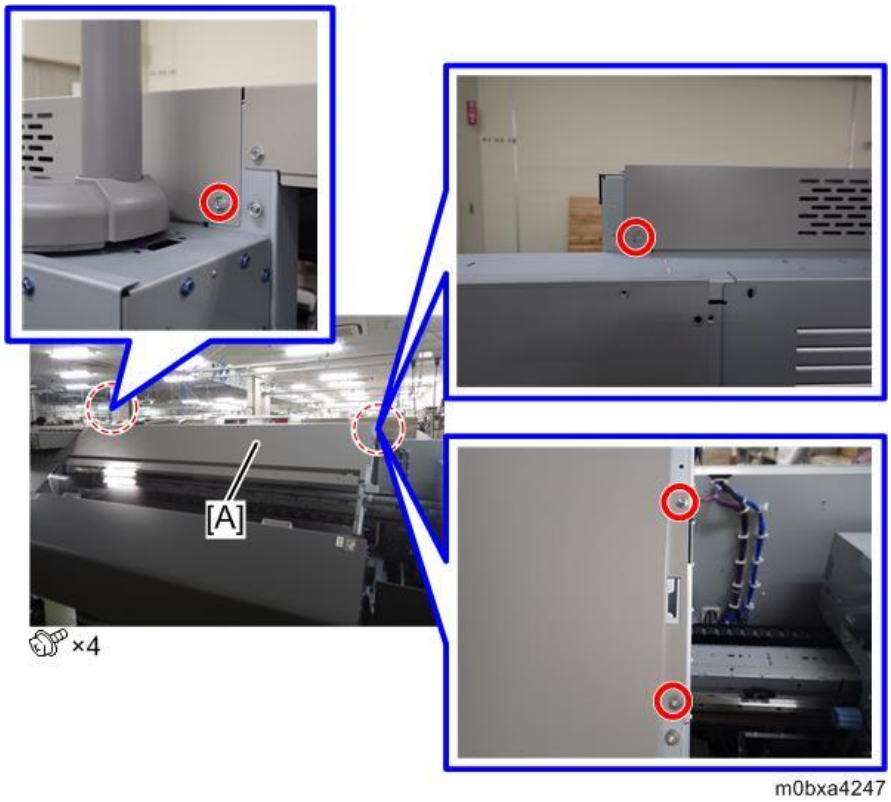
2. Remove the port cover detection sensor [A].



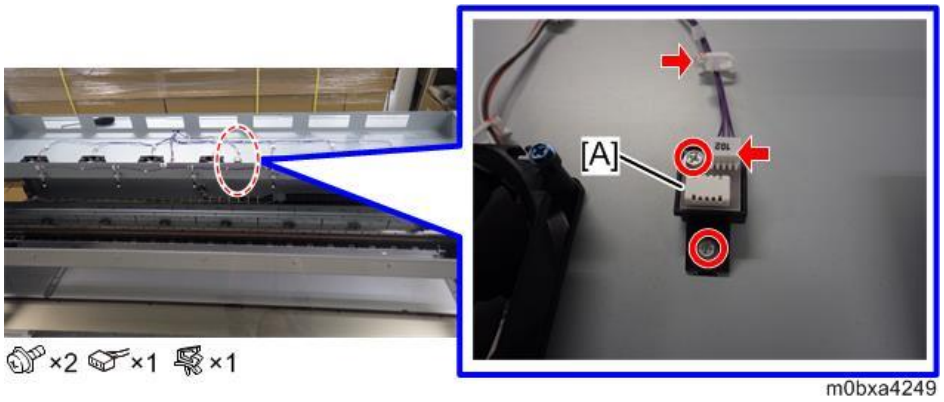
Temperature and Humidity Sensor

1. Remove the right side upper cover. (Removing the Right Side Upper Cover)
2. Remove the right side lower cover. (Removing the Right Side Lower Cover)
3. Remove the right upper cover. (Measuring the Head Height)

4. Remove the top cover [A].



5. Remove the temperature and humidity sensor [A].



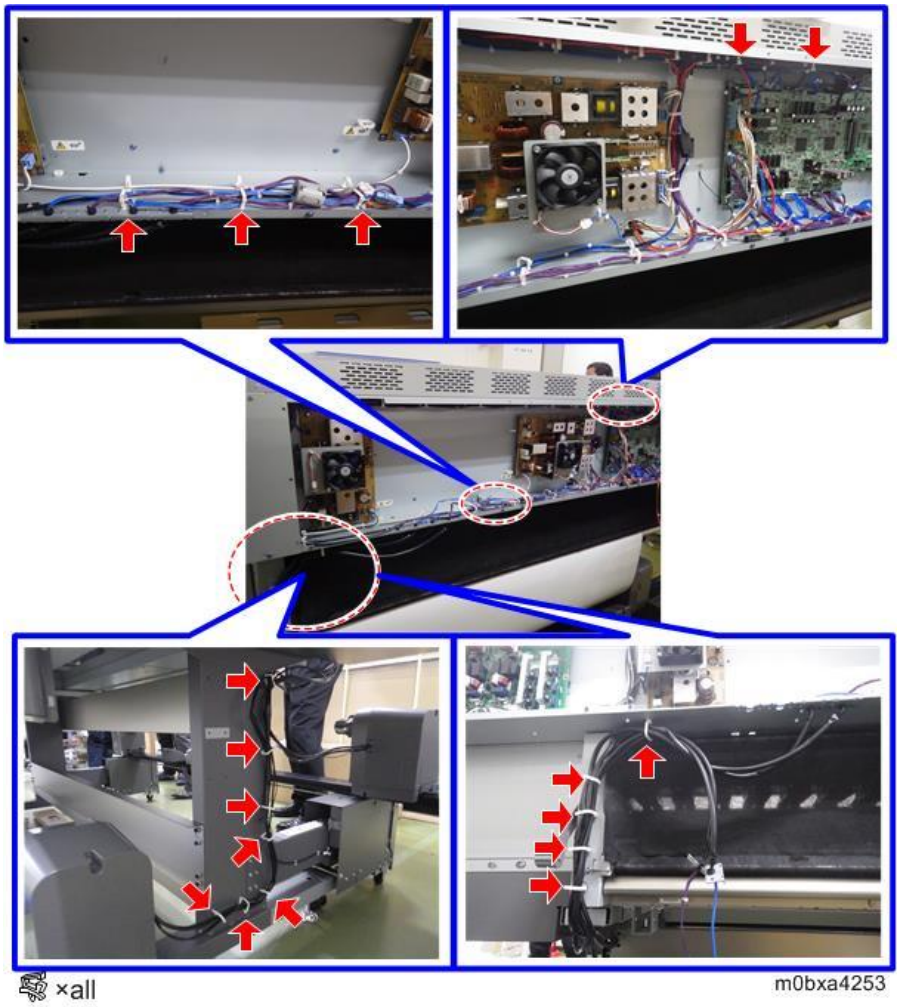
Roll-up Section

⚠CAUTION

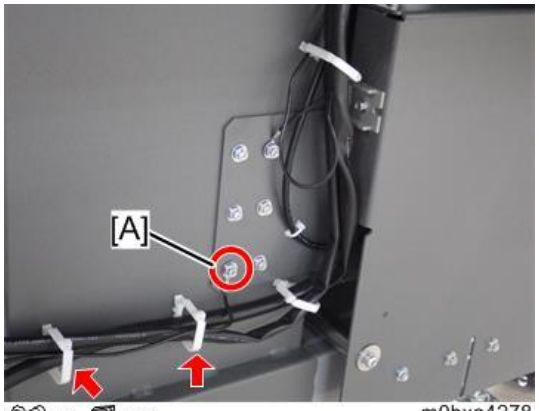
- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before removing the covers. Removing the covers in an energized state constitutes an electric shock hazard and could cause a malfunction.
- After the power plug is unplugged, residual charge may still be left in the PSU. Be careful not to touch PSU while operating the machine.

Roll Core Holder

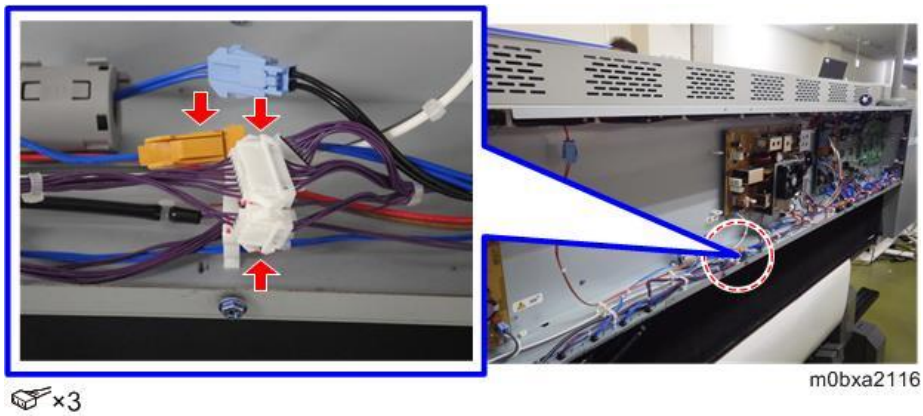
1. Remove the controller box right cover 1-3. (Connecting the Connectors between the Roll Holders and Machine)
2. Release the harnesses.



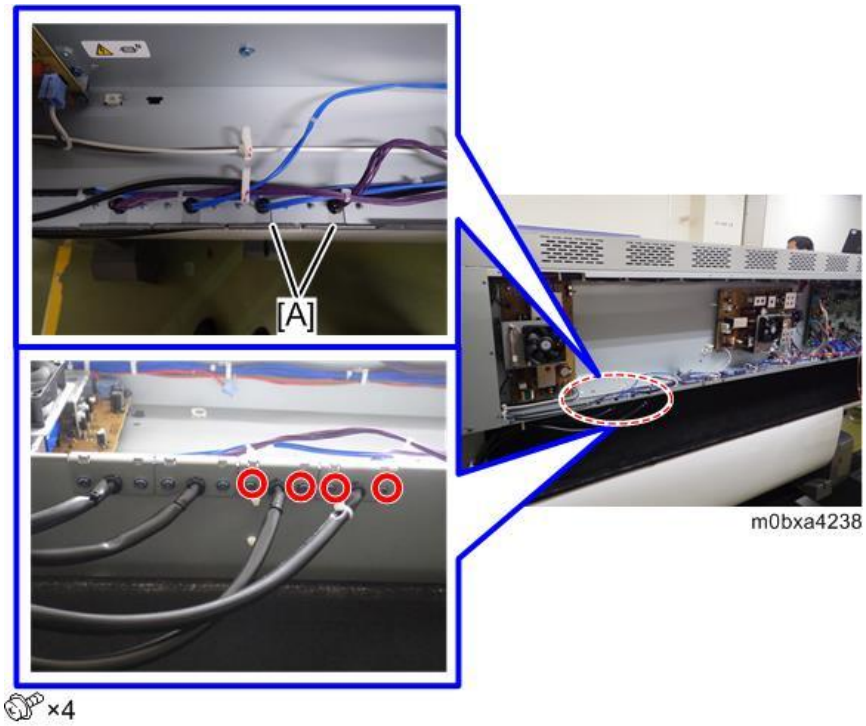
3. Remove the ground cable [A].



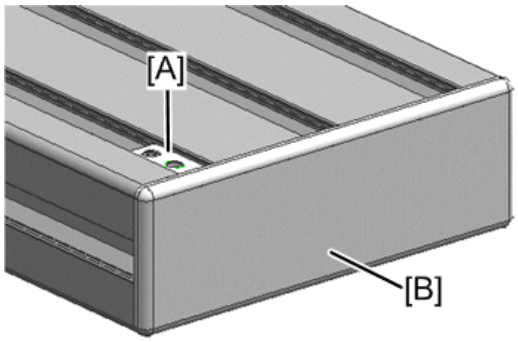
4. Disconnect the connectors of the roll core holder.



5. Remove the brackets [A].

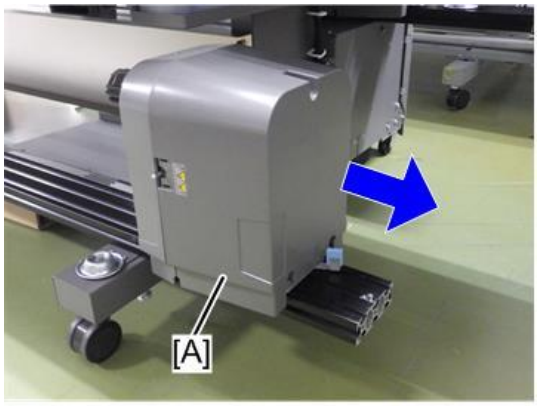


6. Remove the end caps [B] from the both sides of the stay, and then remove the retaining parts [A].



m0bxa2276

7. Remove the roll core holders [A] from the both edges of the stay.
(The picture below shows the one side of the stay.)



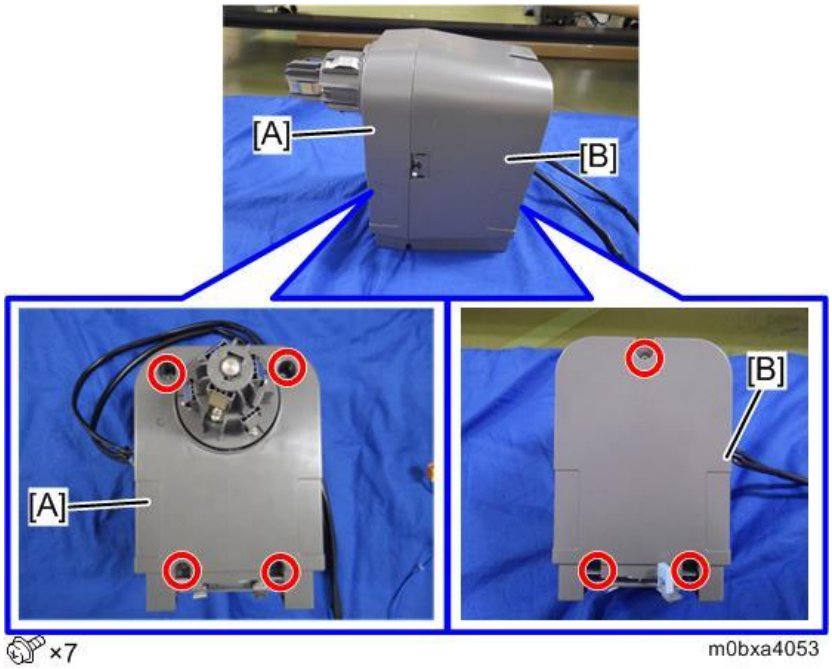
m0bxa4263

8. After replacing the roll core holder, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Paper Output Motor

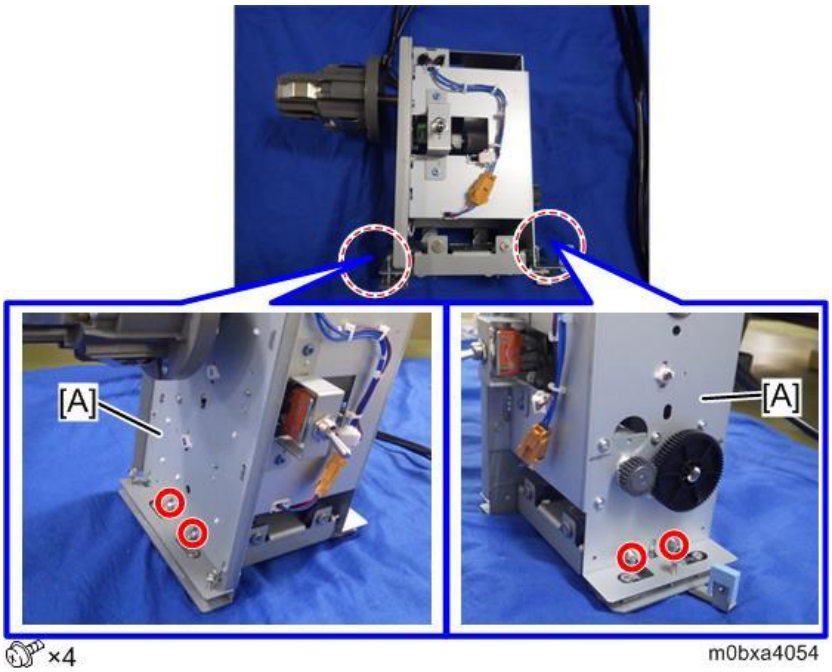
1. Remove the roll core holder. (Roll Core Holder)

2. Remove the exterior covers [A] and [B] of the roll core holder.

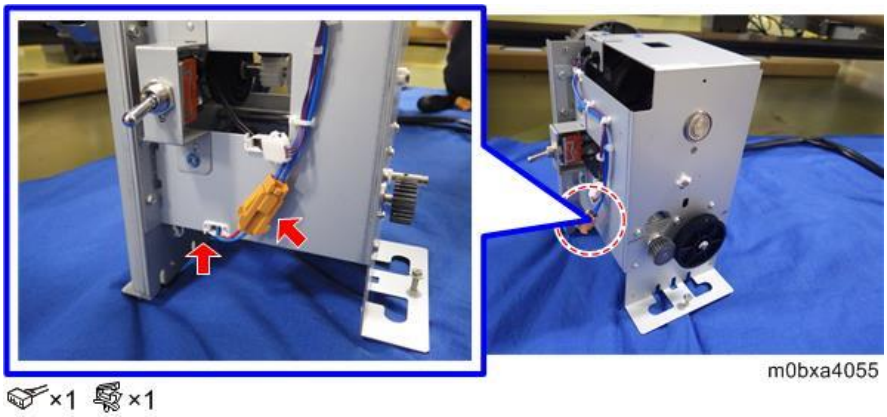


m0bxa4053

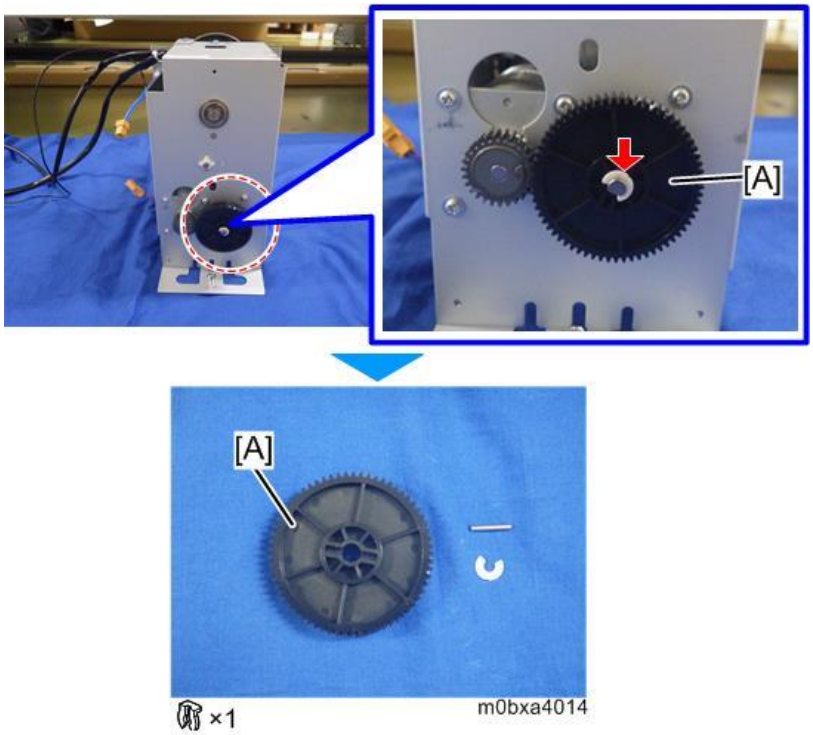
3. Remove the fixing screws from the support plate [A].



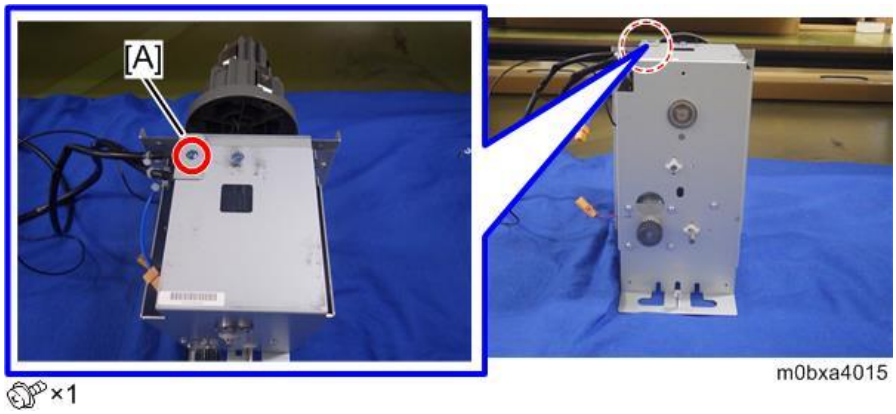
4. Remove the connector.



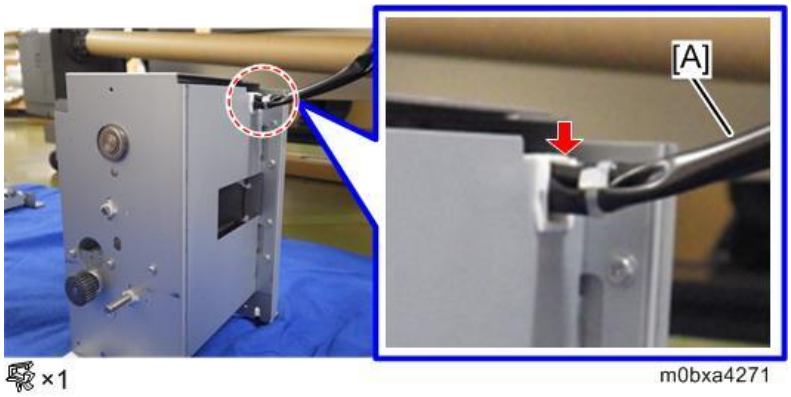
5. Remove the gear [A].



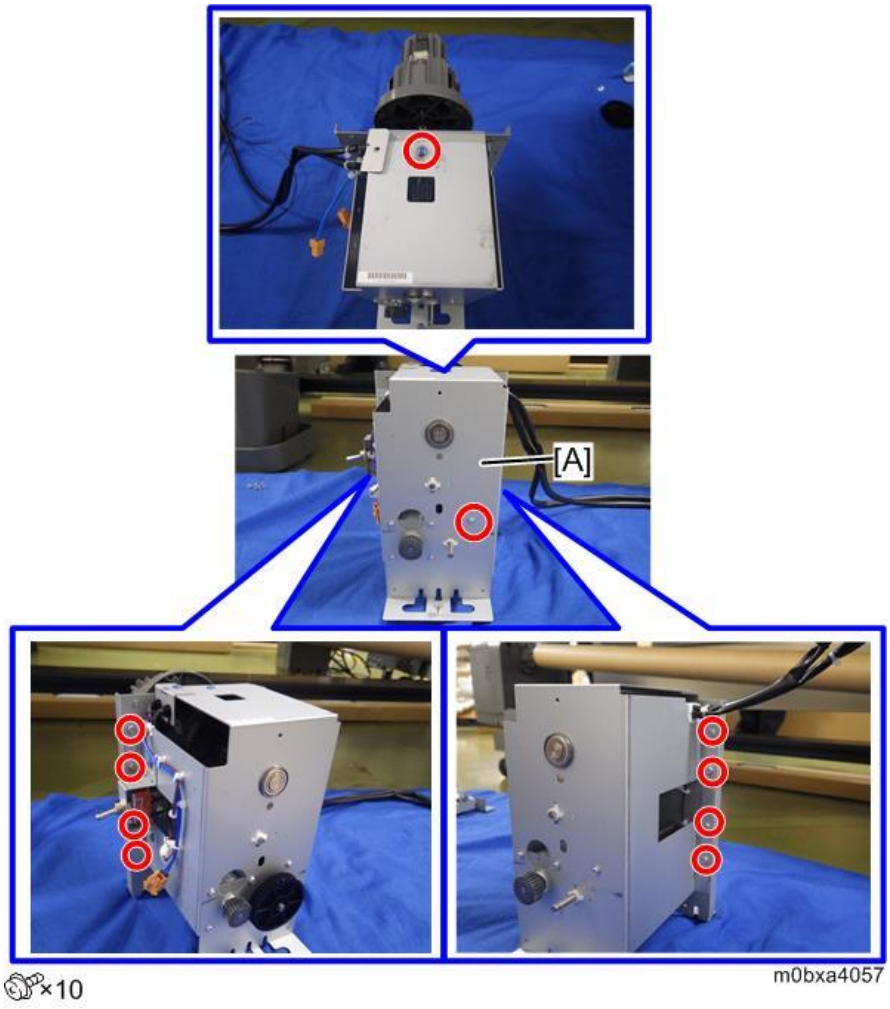
6. Remove the harness bracket [A].



7. Remove the harness [A].



8. Remove the fixing screws from the support plate [A].

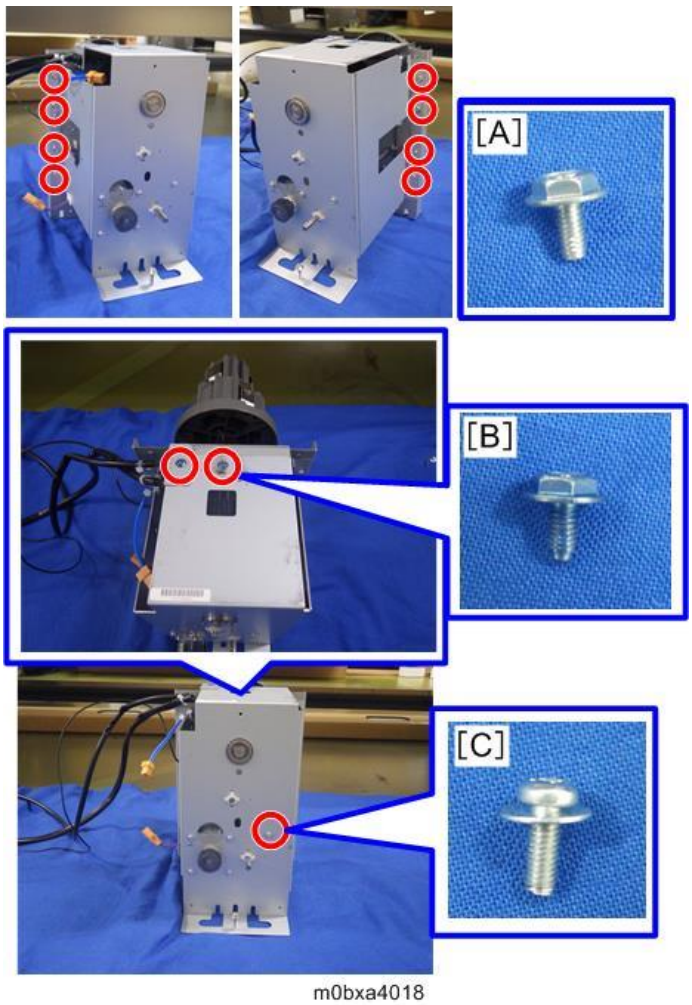


Note

When attaching the roll core holder, make sure to use the correct screw for each position.

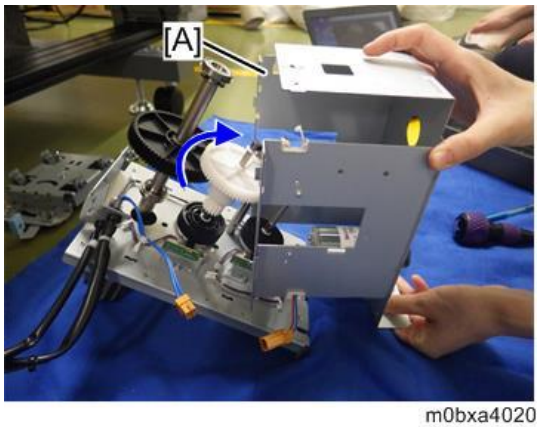
- [A] : M3X6
- [B] : M3X6 (Round point)

- [C] : M3X8



m0bxa4018

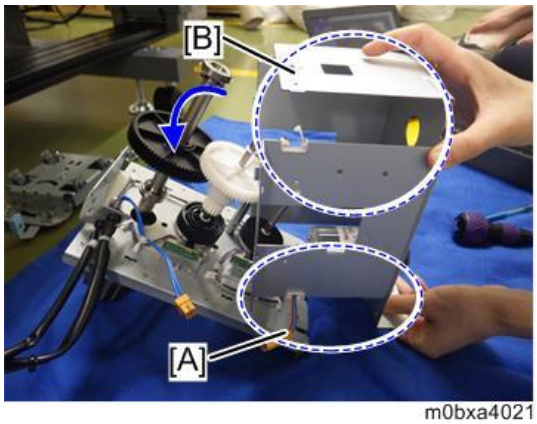
9. Remove the support stay [A] by moving it in the direction of the arrow.



m0bxa4020

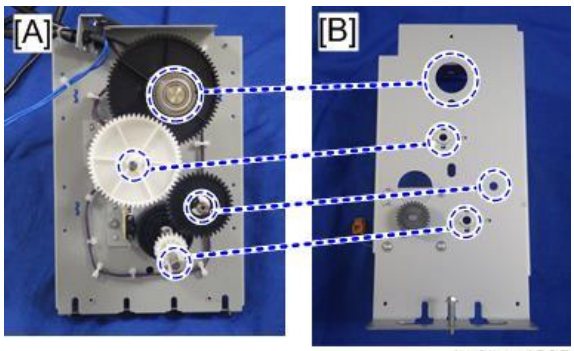
Note

When installing the support plate, cover the bracket with the support plate from the bottom side [A], and then attach the upper side [B] as shown below by the arrow.



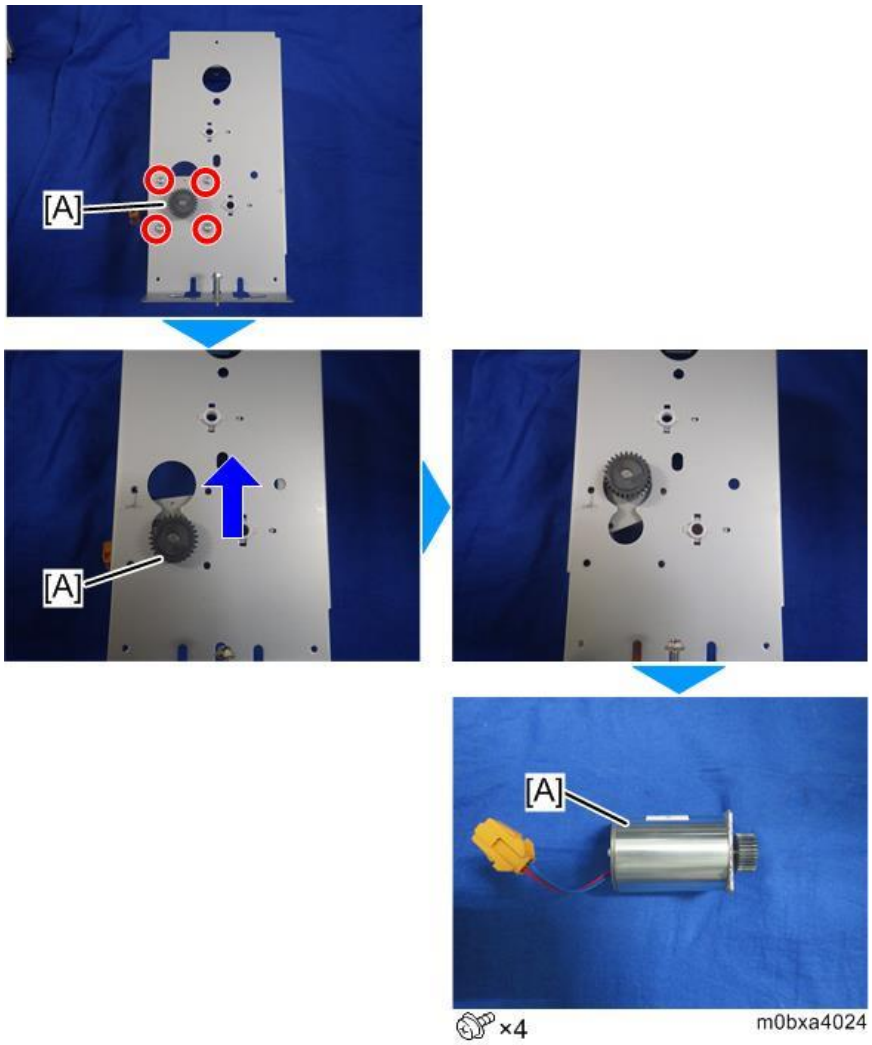
m0bxa4021

When installing the support plate, make sure that the shafts [A] fit into the cutouts [B] of the support plate.



m0bxa4265

10. Remove the paper output motor [A].

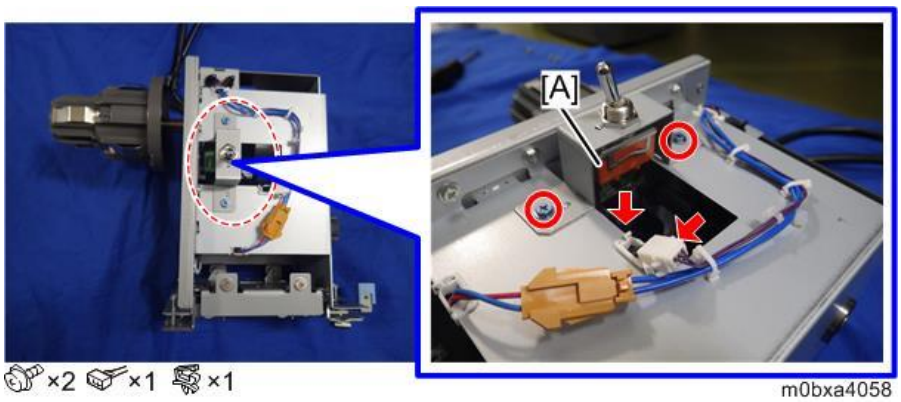


11. After replacing the paper output motor, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Roll-up Switch

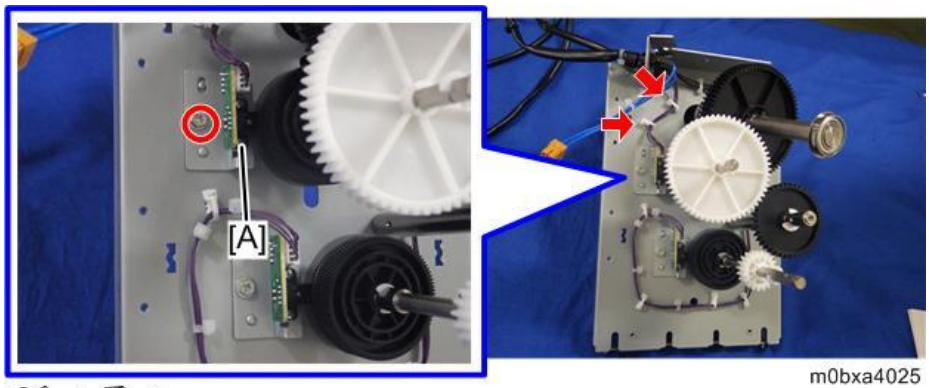
1. Remove the exterior covers of the roll core holder. (Paper Output Motor)

2. Remove the roll-up switch [A].

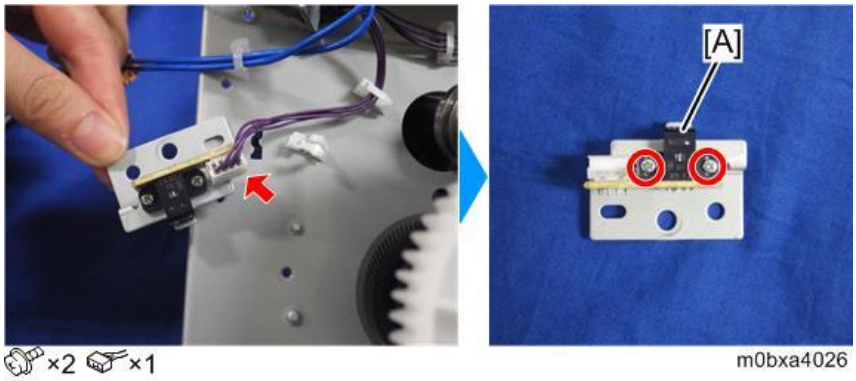


Paper Exit Rotary Encoder Sensor

1. Remove the support plate from the roll core holder. (Paper Output Motor)
2. Remove the paper exit rotary encoder sensor [A] with bracket.



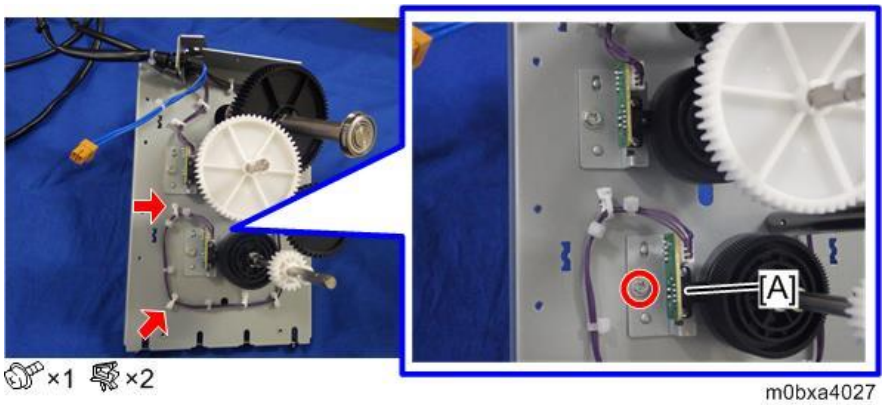
3. Remove the paper exit rotary encoder sensor [A].



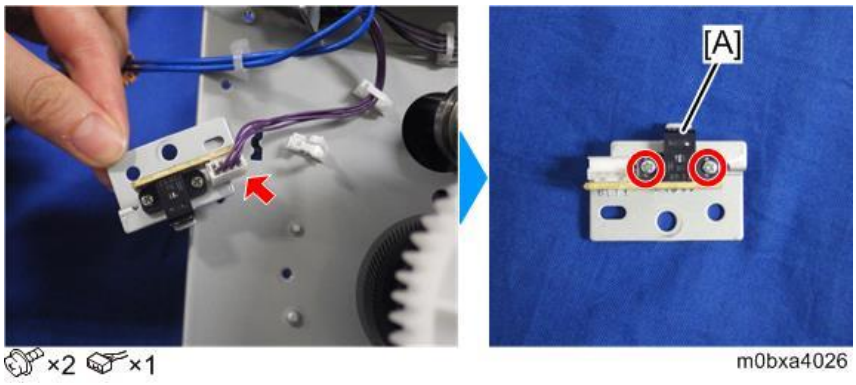
4. After replacing the paper exit rotary encoder sensor, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

Roll-up Encoder Sensor

1. Remove the support plate from the roll core holder. (Paper Output Motor)
2. Remove the roll-up encoder sensor [A] with bracket.



3. Remove the roll-up encoder sensor [A].

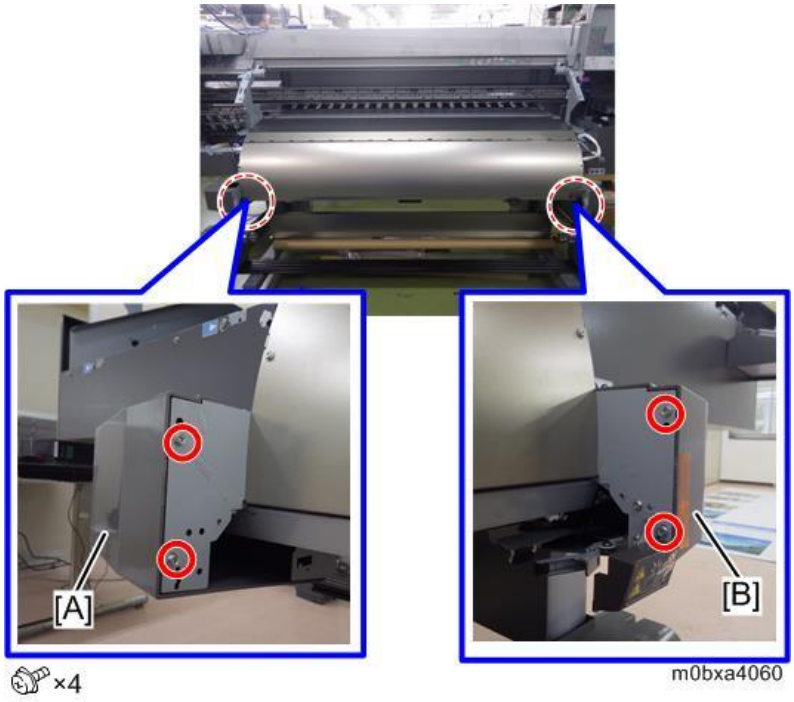


4. After replacing the roll-up encoder sensor, adjust paper feed alignment. (Paper Feed/Roll-up Alignment Adjustment)

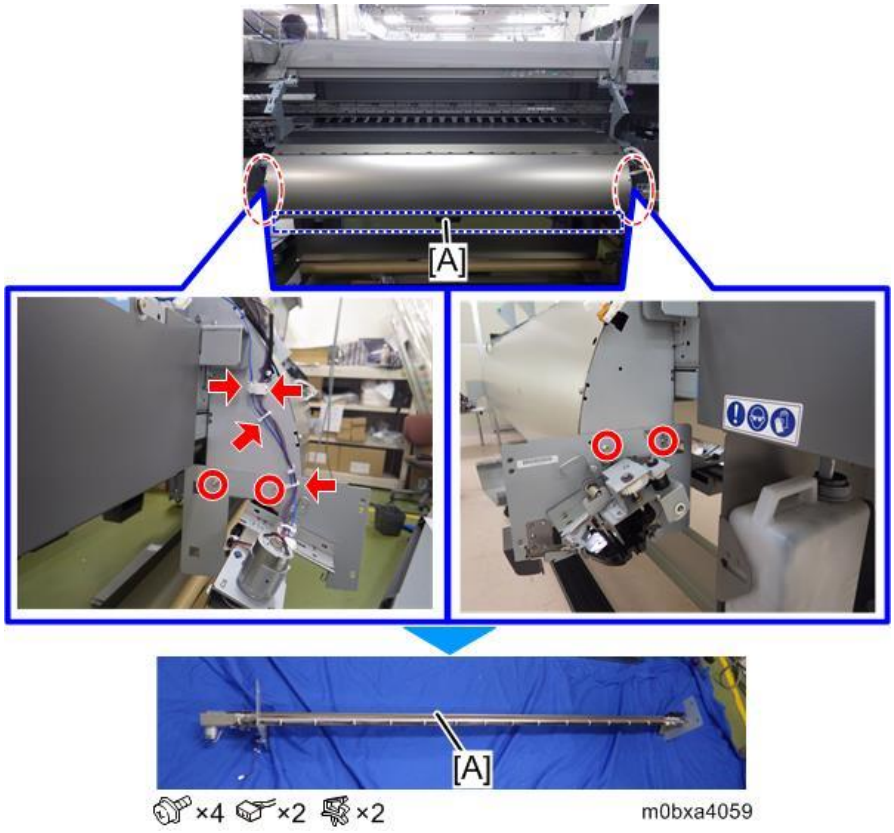
Media Cutter

Media Cutter

1. Remove the cure heater. (Cure Heater)
2. Remove the left cover [A] and the right cover [B] of the media cutter.

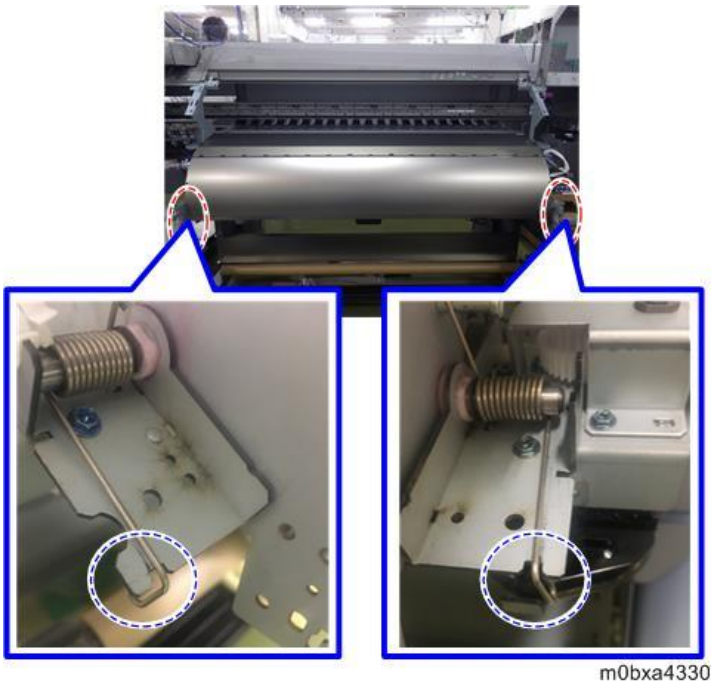


3. Remove the media cutter [A] from the left side first.



Note

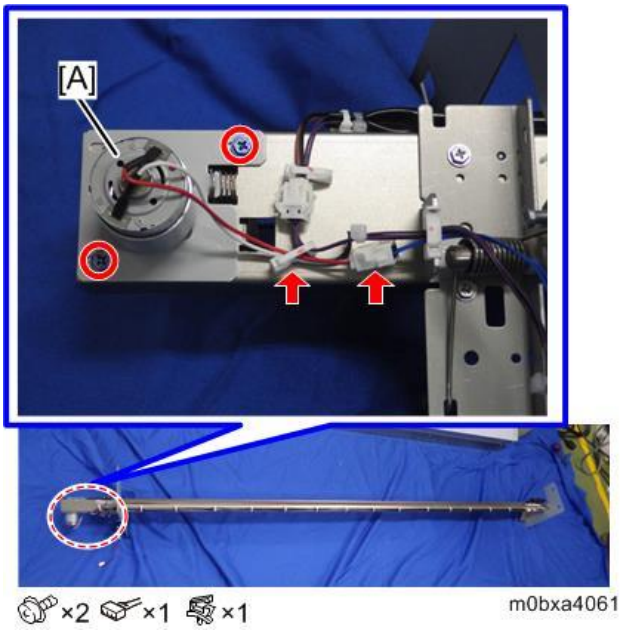
When attaching the media cutter, hook the hooks of the left and right torsion springs onto the grooves of the brackets.



m0bxa4330

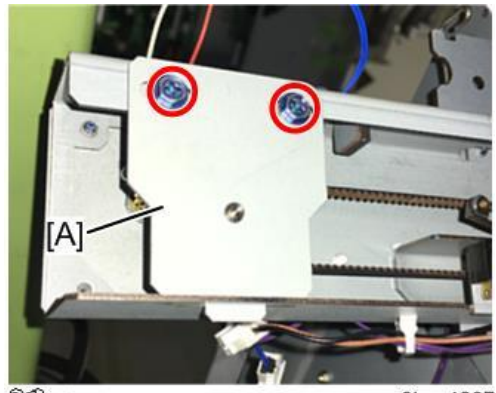
Media Cutter Motor

1. Remove the media cutter. (Media Cutter)
2. Remove the screws, the connector, and the clamp of the media cutter motor [A].

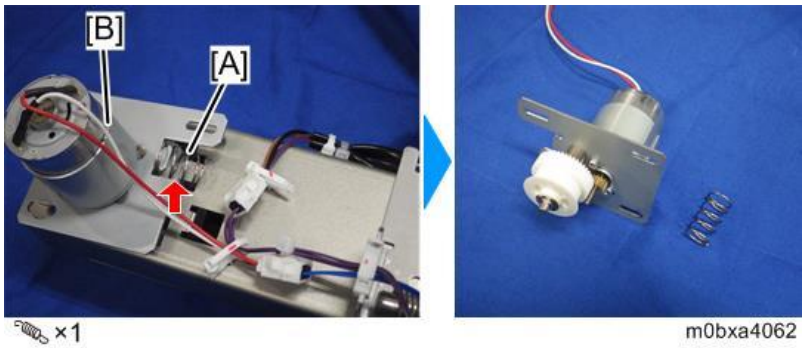


m0bxa4061

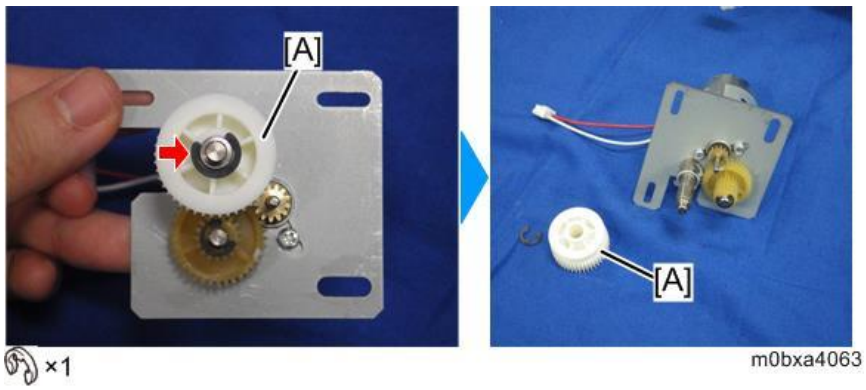
3. Remove the bracket [A].



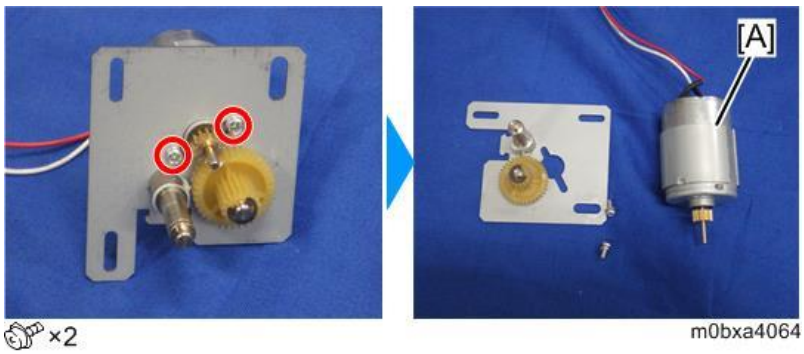
4. Remove the spring [A], and then remove the media cutter motor [B] with the bracket.



5. Remove the gear [A].

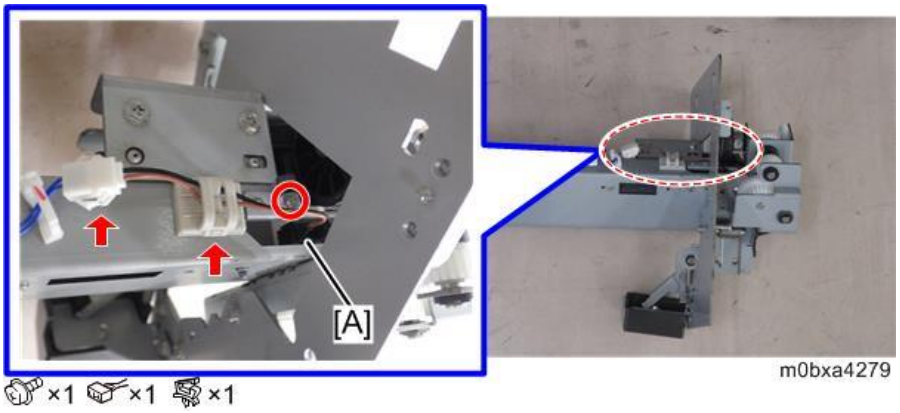


6. Remove the media cutter motor [A].

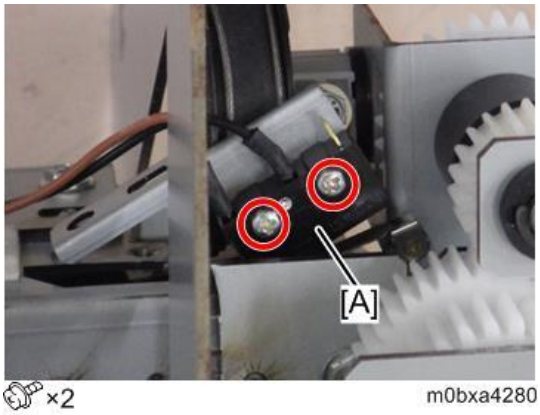


Media Cutter Switch (Right)

1. Remove the media cutter. (Media Cutter)
2. Remove the media cutter switch (Right) [A] with the bracket.

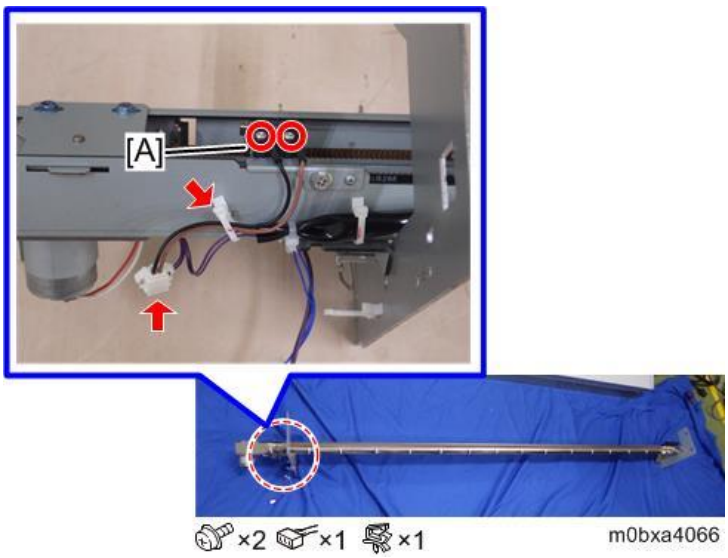


3. Remove the media cutter switch (Right) [A].



Media Cutter Switch (Left)

1. Remove the media cutter. (Media Cutter)
2. Remove the media cutter switch (Left) [A].



Carriage Unit

⚠CAUTION

Turn the power OFF before removing the screws inside the carriage. Otherwise, the circuit in the carriage will shorts if you touch the circuit board with driver.

Moving Away the Carriage Unit

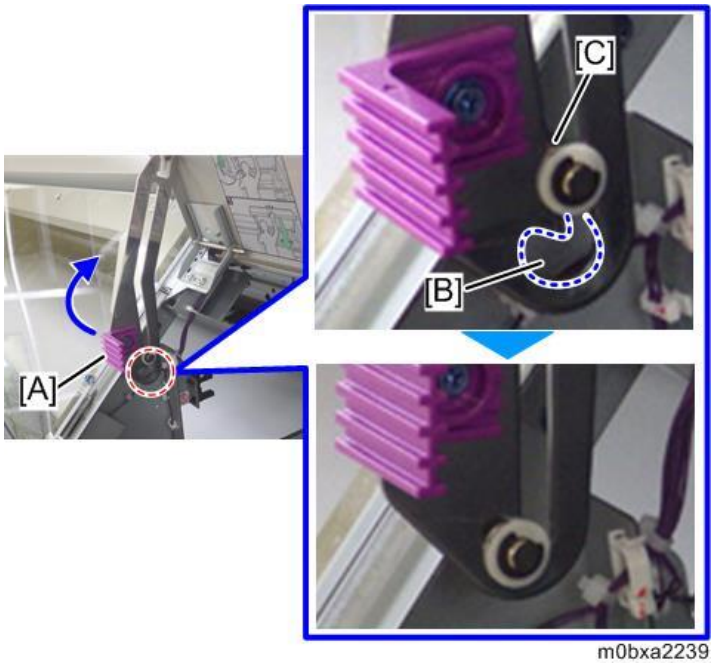
1. Open the right front cover [A].



m0bxa2048

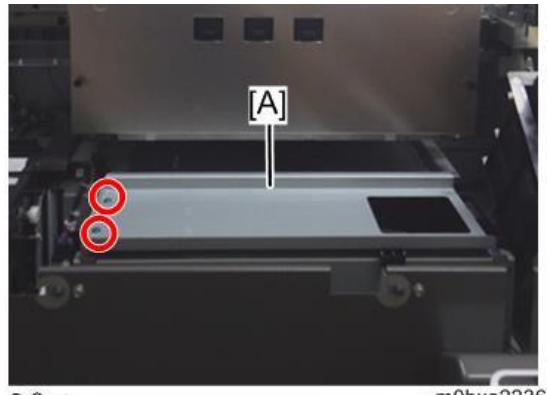
Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.

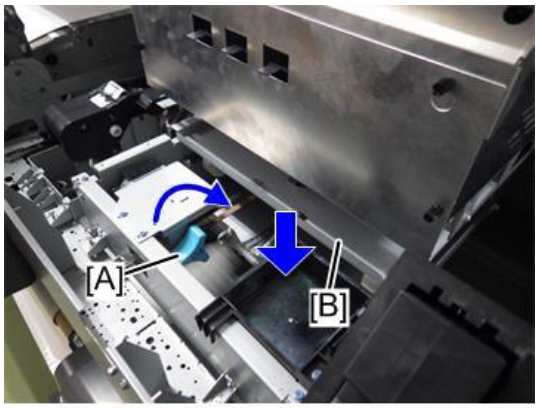


m0bxa2239

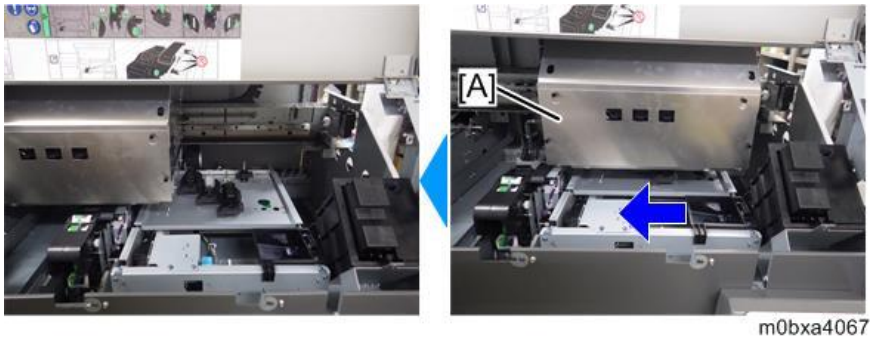
2. Remove the ink receiving port upper cover [A].



3. Rotate the handle [A] forward to lower the cap unit [B] for decap.



4. Move the carriage [A] to the middle position of the main unit.



Print Head Unit

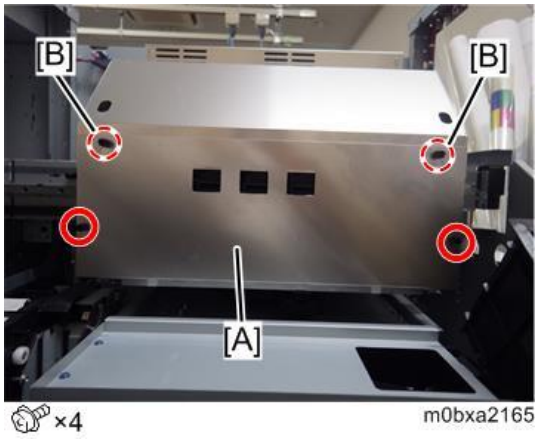
Note

Wear gloves when you perform the following operation.

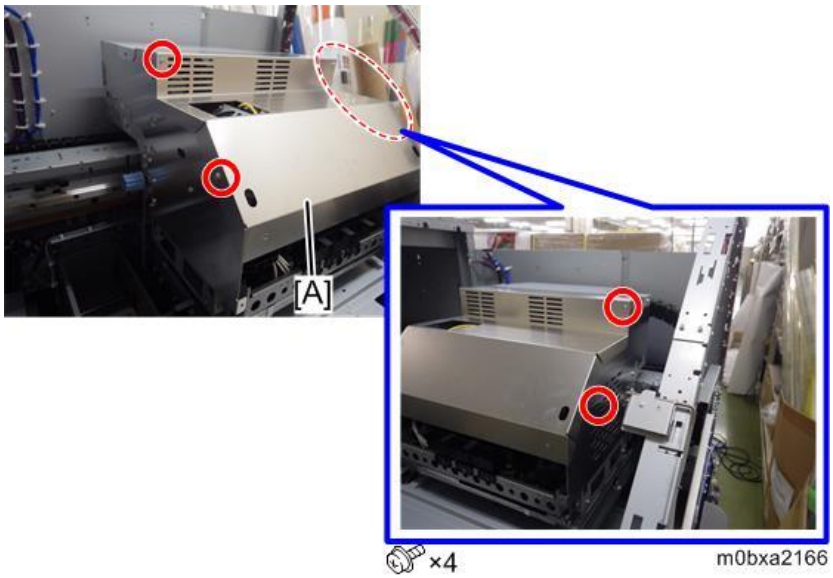
Work before Replacing the Print Head Unit

1. Turn the main power ON.
2. Enter the SP mode, input "9" for SP2-012-001, and then execute it.
   The automatic maintenance after startup will be restricted.
3. Turn the main power OFF.

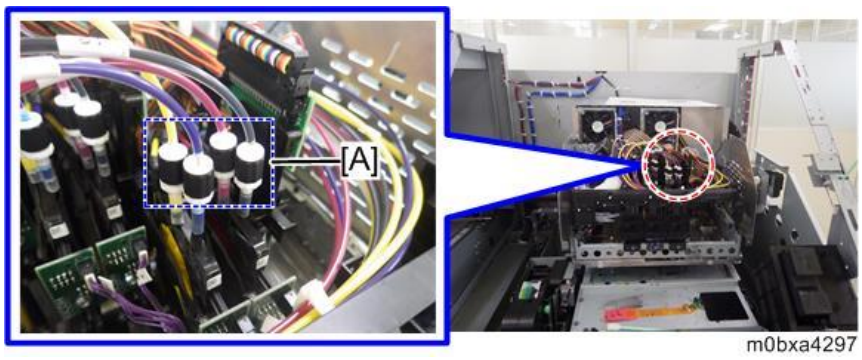
4. Remove the right upper cover. (Measuring the Head Height)
5. Remove the carriage front lower cover [A].
   When removing the carriage front lower cover, loosen the screws [B].



6. Remove the carriage front cover [A].



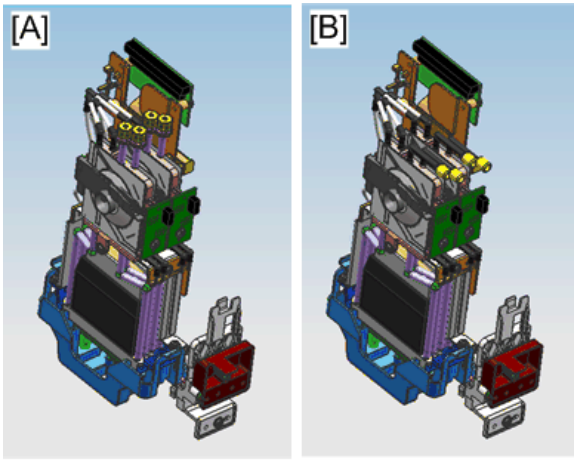
7. Remove the fittings [A] right above the damper.
   If the machine is a 4C+W machine, also remove the circulation tube, and then cap the circulation tube to prevent ink from leaking.



Note

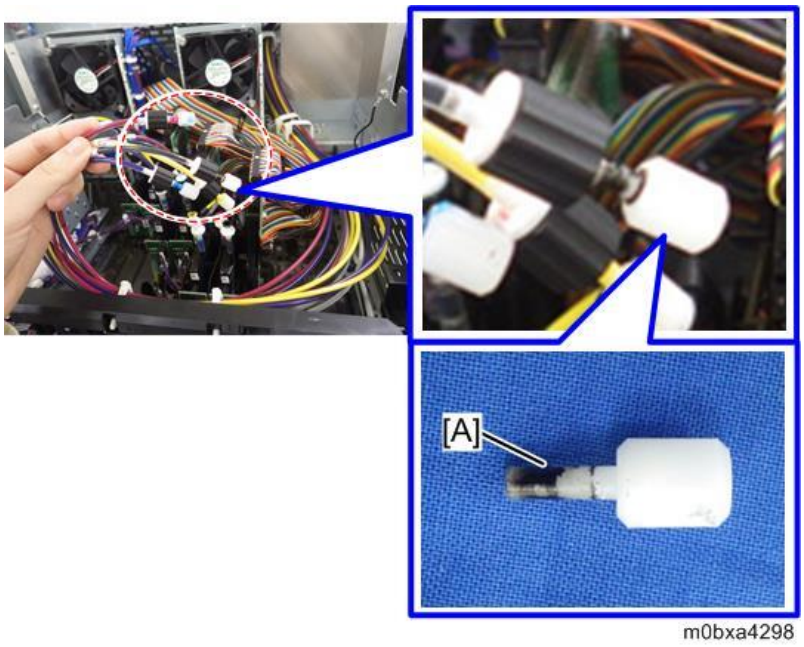
- The shape of the fittings will change for design change.

[A]: Before, [B]: After



m0bxa4341

8. To prevent ink from leaking, attach the cap [A] to each tube on the main machine side.

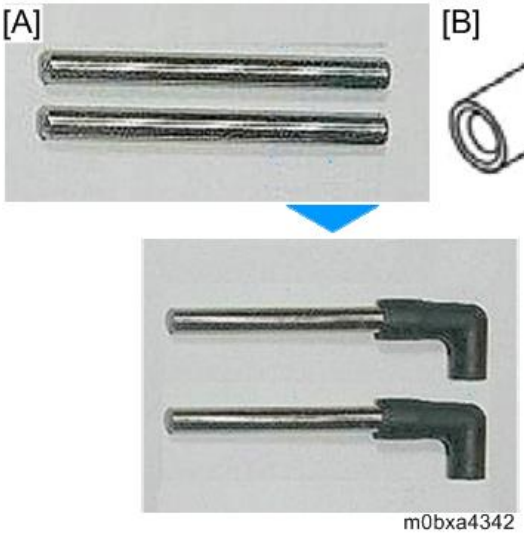


m0bxa4298

Note

- When replacing the white heads, seal the heads that white circulation tubes are removed from. The four pins are combined with the four tubes and they are used to seal the heads.

The other four pins are used to seal the removed white circulation tubes.



m0bxa4342

- The cap is changed to the one in the below picture after the design change.



m0bxa4343

9. Only attach the right front cover.

Removing Ink from the Print Head Unit to Be Replaced

1. Turn the main power ON.

2. Enter the SP mode, input the appropriate number for SP2-010-008 (Special Maintenance Ink Suction Sequence) and execute it.

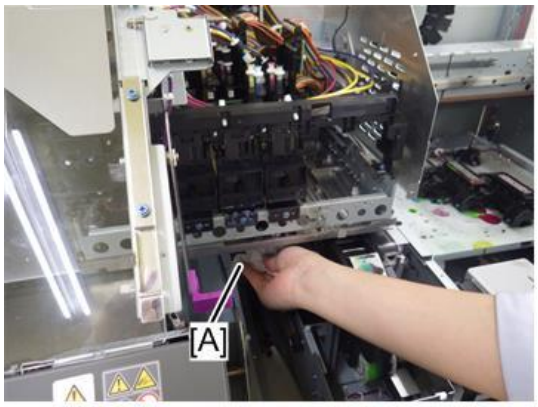
- Input "1" for ink suction operation of H1.
- Input "2" for ink suction operation of H2.
- Input "4" for ink suction operation of H3.

For ink suction operations of multiple heads, input the sum of the numbers. For example, if ink suction operations are required for H1 and H3, the number to be inputted is 5 (1+4=5).

3. When finished, turn the main power OFF.

4. Decap the carriage unit, and move the carriage unit to the center of the main unit. (Moving Away the Carriage Unit)

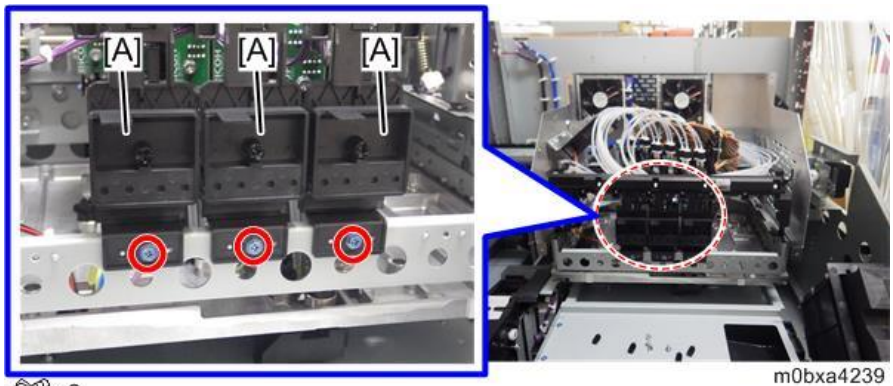
5. Wipe the ink on the nozzle surface using nonwoven cloth [A].



m0bxa4299

How to Replace the Print Head Unit

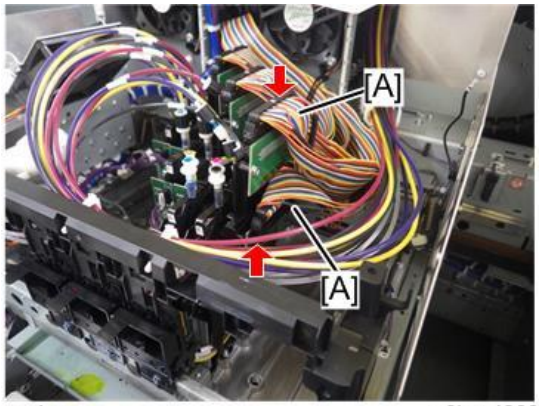
1. Remove the port brackets [A] for air purging in front of the print head unit.



×3

m0bxa4239

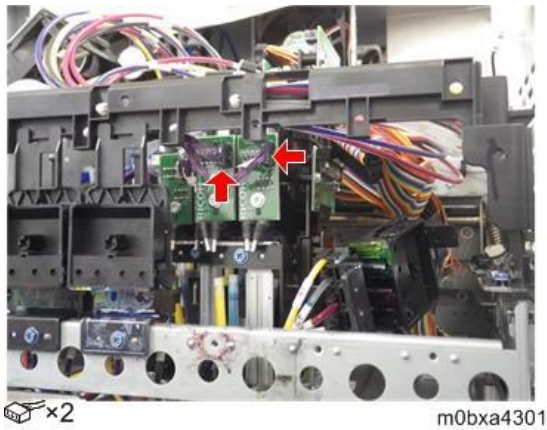
2. Remove the HDC cables [A] connected to the print head unit.



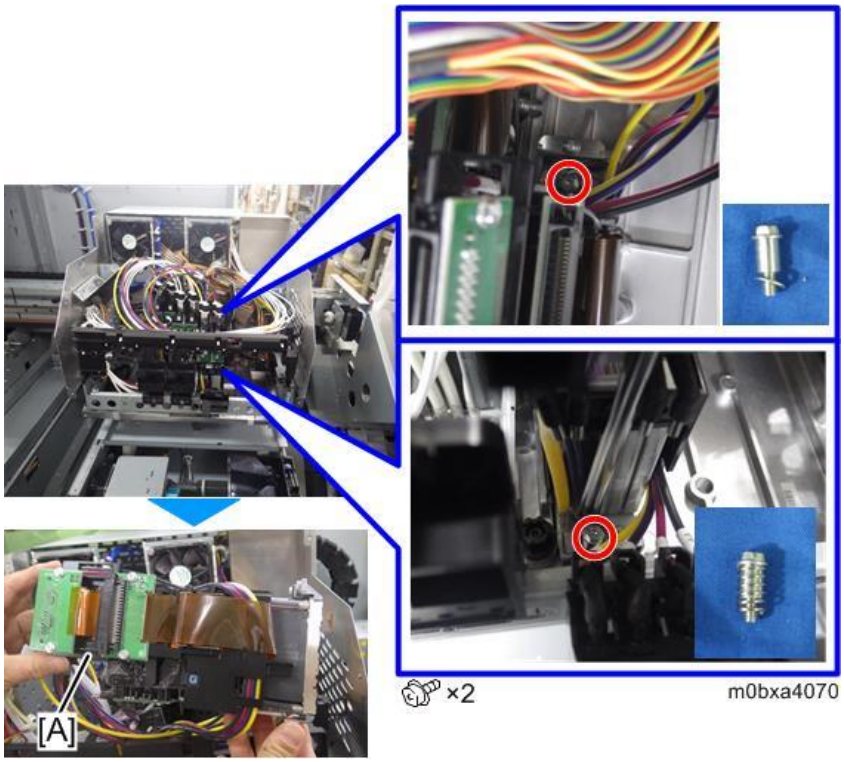
×2

m0bxa4300

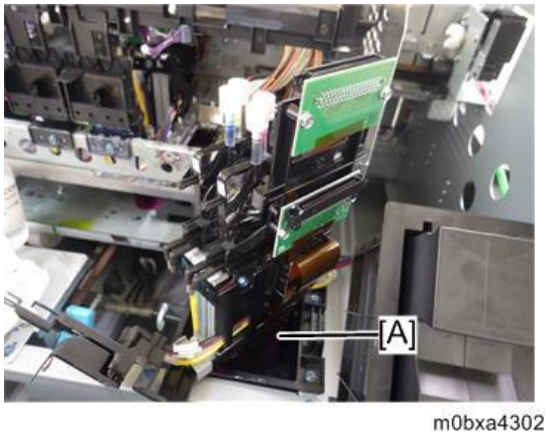
3. Disconnect the connectors that are connected to the damper sensor board (DFSB).



4. Remove the print head unit [A].

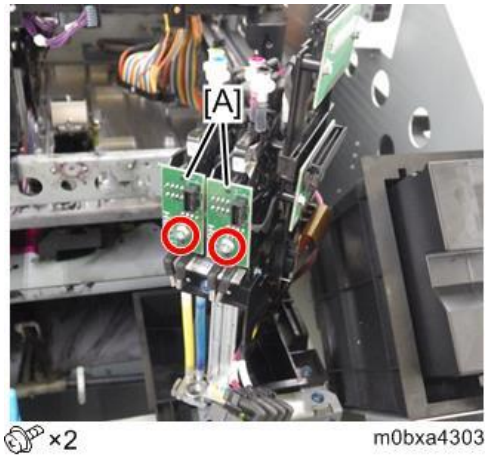


5. Because ink will drop from the print head unit, place the print head unit above the ink receiving port [A].

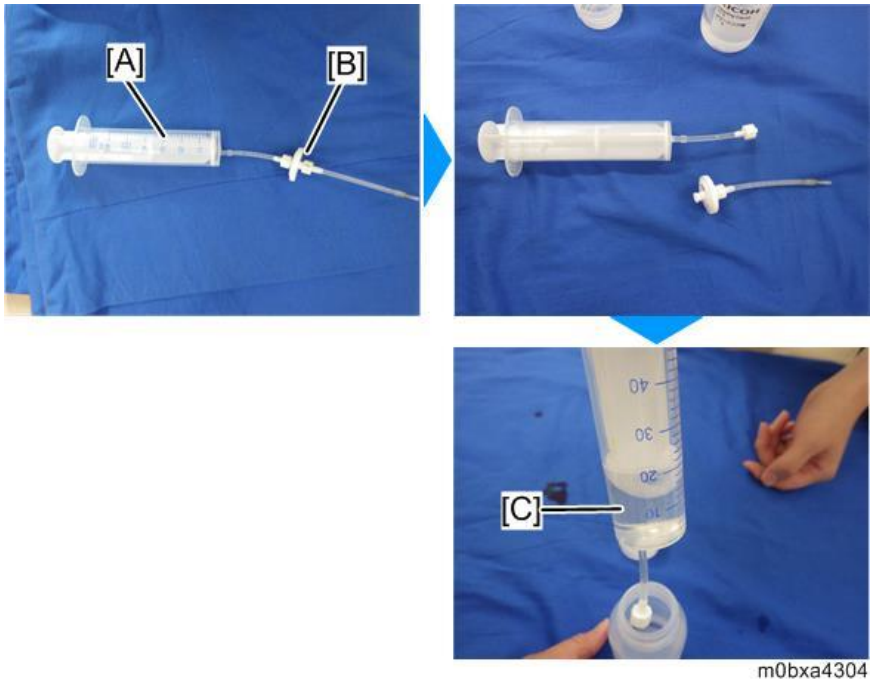


6. Remove the damper sensor board (DFSB) [A] from the print head unit.

The removed damper sensor board (DFSB) must be attached to the new print head unit in step 12.

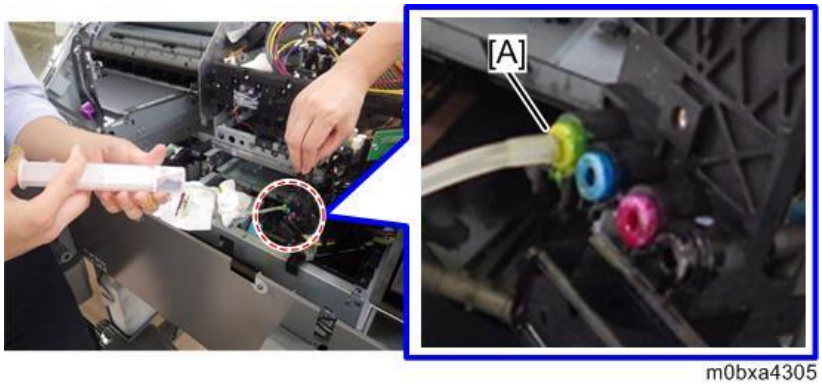


7. Remove the filter [B] from the syringe [A], and then suck in the cleaning liquid [C] 20 cc per port. Attach the removed filter.



8. Make sure that the damper entrance is sealed.

9. Put in the cleaning liquid from the air purging port [A] of the damper of the new print head unit using the syringe and dampen the inner surface.



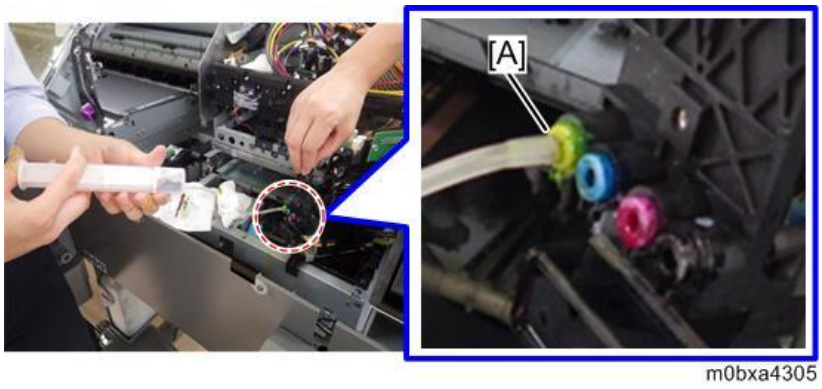
Note

The injection speed of the cleaning liquid must be 0.5 cc per second or slower.

10. In the same way of step 7, suck in 20 ml per port of air with the syringe, and then reattach the removed filter.

11. Make sure that the damper entrance is sealed.

12. Put in air from the air purging port [A] of the damper of the new print head unit using the syringe to push out the cleaning liquid.



m0bxa4305

Note

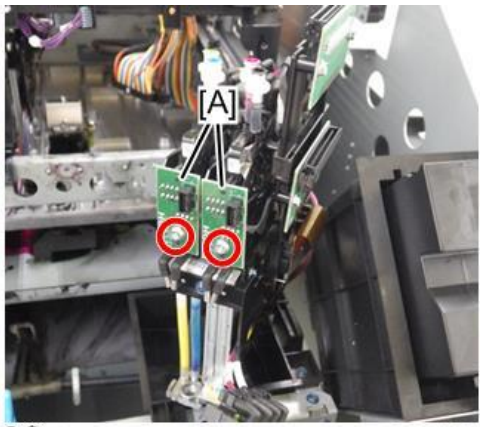
Make sure that the damper entrance is sealed.

The injection speed of the air must be 0.5 ml per second or slower.

13. Repeat steps 7 through 10 for each air purging port.

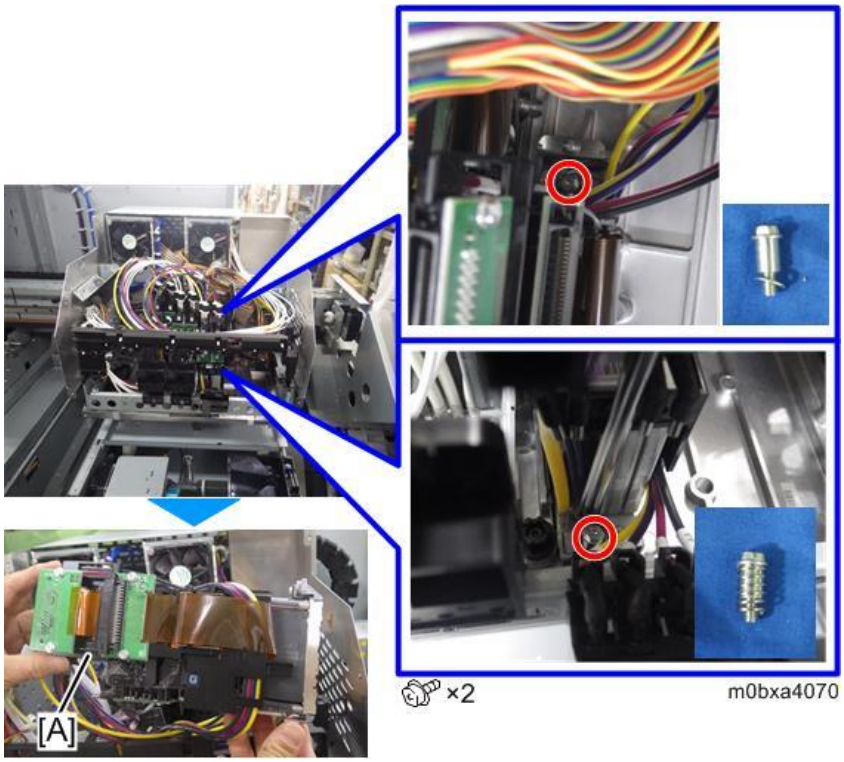
Each print head unit has four ports.

14. Attach the damper sensor board (DFSB) [A] removed in step 6 to the new print head.



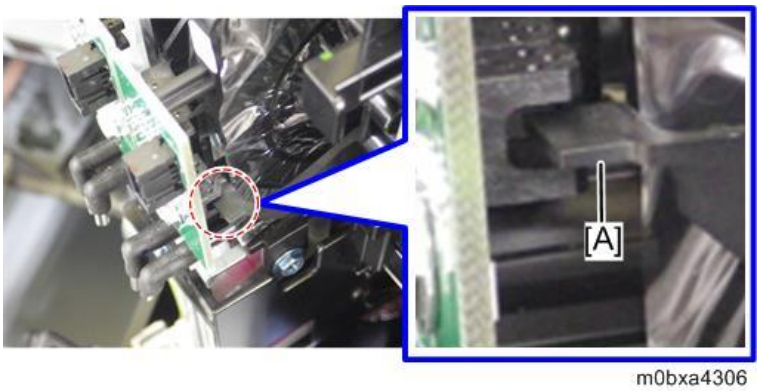
×2 m0bxa4303

15. Install the new print head unit [A] in the machine.

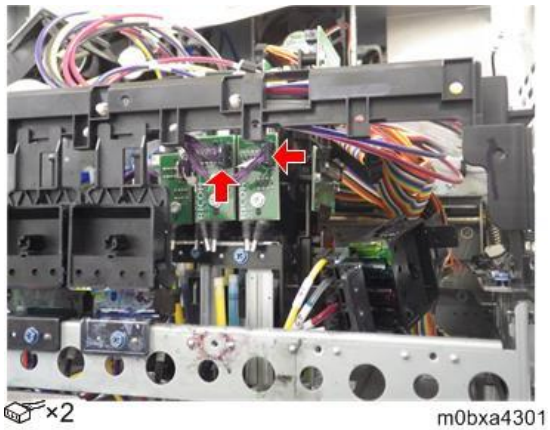


Note

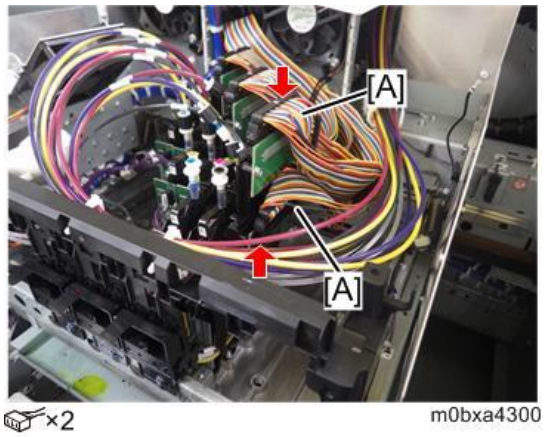
- When returning the screws, hold the driver with three fingers and tighten the screw. Do not tighten them excessively.
- Make sure the feeler [A] is in place.



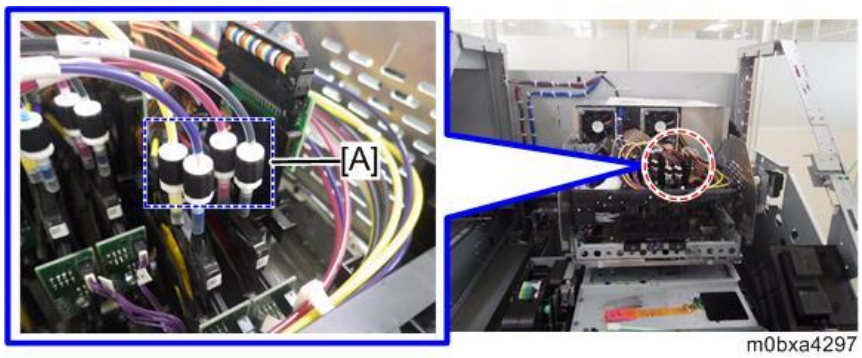
16. Connect the connectors to the damper sensor board (DFSB).



17. Connect the HDC cables.



18. Attach the tubes [A] to the fittings right above the damper.
If the machine is a 4C+W machine, also attach the circulation tube.



Filling Ink

1. Turn the main power ON.

2. Enter the SP mode, input the appropriate number for SP2-400-001 (NV Clear at Head Replacement) and execute it.

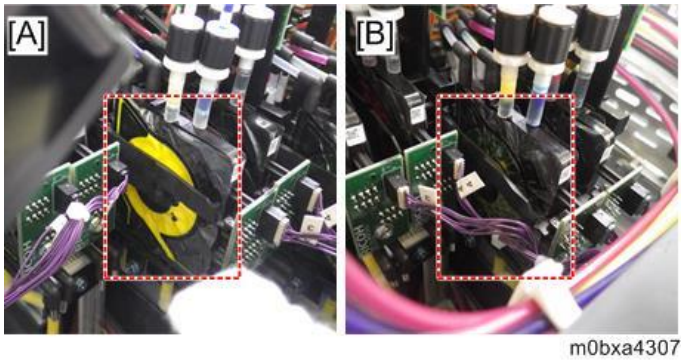
- Input "1" when replacing H1.
- Input "2" when replacing H2.
- Input "4" when replacing H3.

When replacing multiple heads, input the sum of the numbers. For example, when replacing H1 and H3, the number to be inputted is 5 (1+4=5).

Note

The air purge time change flag (SP2-270-***) for the print head you specify will be "1".

3. Press the [Maintenance] key.
4. Press [Special Maintenance].
5. Press [Air Purge].
6. Select a print head to be performed from [Head 1], [Head 2], or [Head 3].
   When the air purge maintenance is completed, the value of SP2-012-001, which has been changed in step 2 of "Work before Replacing the Print Head Unit", will be changed to "0".
7. Repeat steps 3 through 6 until the damper is filled with ink. Make sure you visually check the damper.
   [A]: OK
   [B]: NG



m0bxa4307

Adjustment after Replacing the Print Head Unit

⚠CAUTION

If you adjust the machine in the power on state, insulate the driver for adjusting head position from the machine. Touching the driver to the circuit board of the damper sensor may blow fuses of the HDC and result in short.

Important

If white ink is used, the Head Inclination and Sub Scan Deviation of Head 2 must be adjusted manually by checking the printed image according to "Manual Adjustment of the Head Position".

After replacing the print head unit, perform the necessary adjustments in the following order.

- Nozzle check
- Adjustment of Sub-scan Direction Feed Amount
- Measuring Head Inclination (Absolute)
- Measuring Head Inclination (Measuring Sub Scan Deviation)
- Drop Position Adjustment

1. Make sure the following conditions are met.
   - Make the machine ready to print.

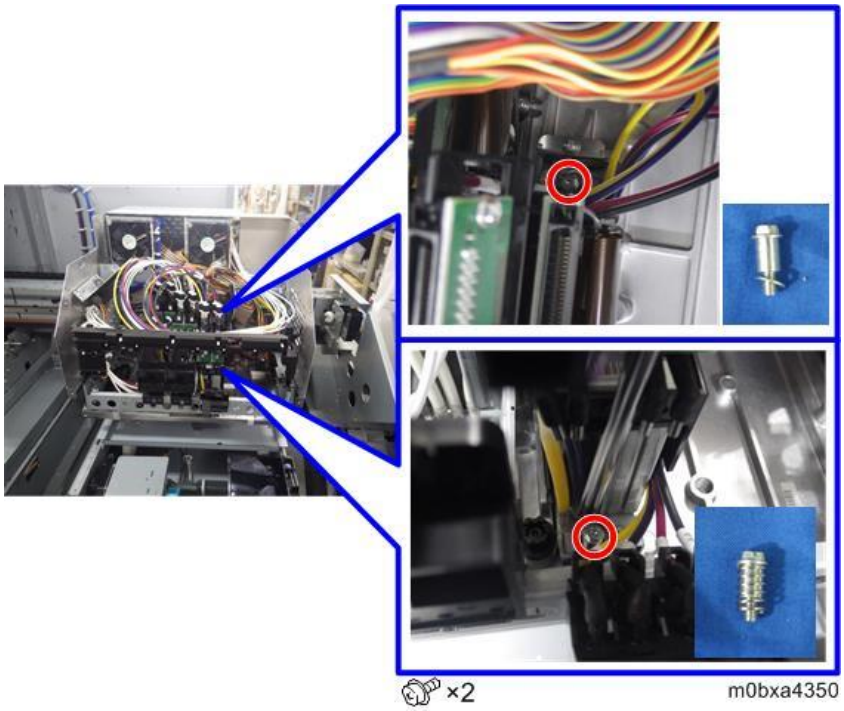
- A coated paper or a glossy paper is recommended. (PVC also can be used.)
  Set the heaters to 20 degrees, the cure heater to zero degree, and then turn off.
- When using cockling media cockled by heat like a coated paper or a glossy paper, set SP1-100-010 to 0, and then return the value to the original value after adjusting.
- The media width must be 420 mm or wider.
- Media skew affects the results of the adjustment. So we recommend the adjustment in the condition of roll to cut without setting the media to the roll-up section.
- Cut the media frequently. If the machine is transported with the end of the paper touching the floor, transport skew or meanders may be caused.
- Dots may move and combine on the impermeable media, which causes the wide range of the measured value. Using permeable media is recommended.

2. Perform nozzle check (Nozzle Check Pattern Printing/Checking).
3. Perform Adjustment of Sub-scan Direction Feed Amount (Adjustment of Sub-scan Direction Feed Amount).

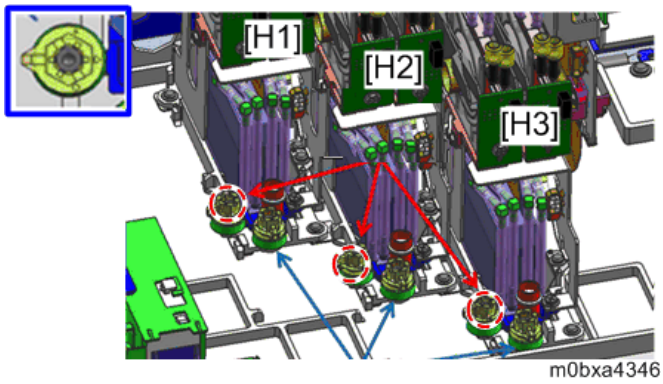
Adjusting Head Inclination

1. Execute head cleaning. (About Head Cleaning)
2. Enter the SP mode, and then execute SP5-922-001 (Measuring Head Inclination Absolute).
   Colorimetric sensor reads the inclination of the three heads.
   If the error (read value is -5000) occurs, it can be caused by outputting the pattern exceeding the extent that the sensor can measure.
   Adjust the tilt of the head manually so that the pattern is within the extent. The results are displayed in the following SP (Head Inclination Value).
   SP3-175-004 (Head1 (Cal. by Skew/MainScan Deviation))
   SP3-175-005 (Head2 (Cal. by Skew/MainScan Deviation))
   SP3-175-006 (Head3 (Cal. by Skew/MainScan Deviation))

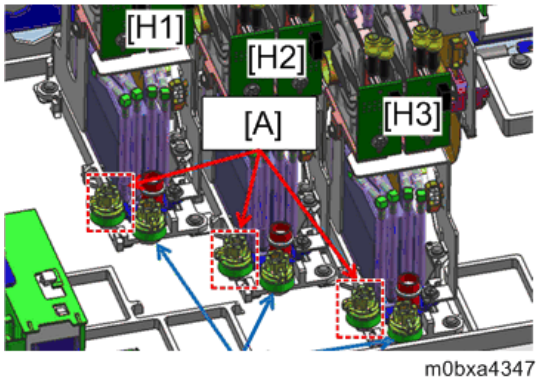
3. Loosen the screws fixing the print heads.



4. Loosen the hex screws (2.5 mm) in the cams.



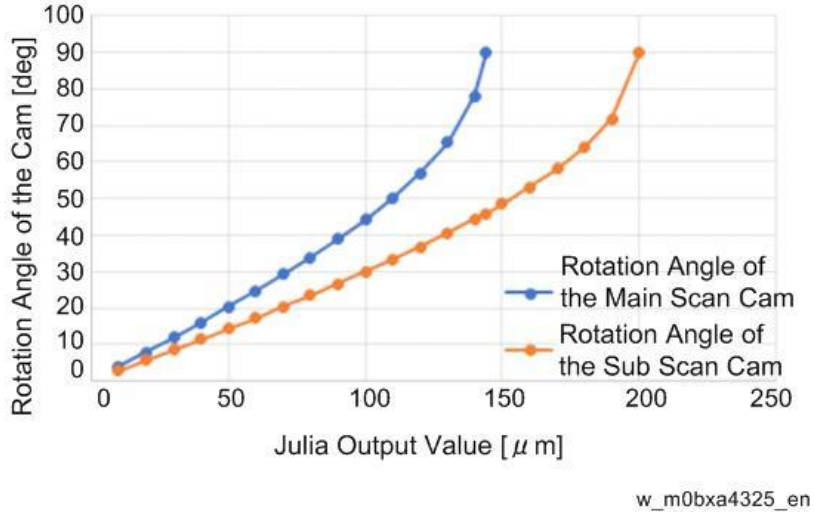
5. Rotate the adjustment cam [A] to adjust the head inclination.



Refer to the following table for the rotation angle of the cam.

Rotation angle (degree)	Moving distance (μm)
10	4
20	8
30	12.1

Rotation angle (degree)	Moving distance (μm)
40	16.2
50	20.4
60	24.8
70	29.3
80	34
90	38.9
100	44.3
110	50.2
120	57
130	65.3
140	78.1
144	90



Adjust the head inclination so that the value displayed on the operation panel reaches ±10 μm.

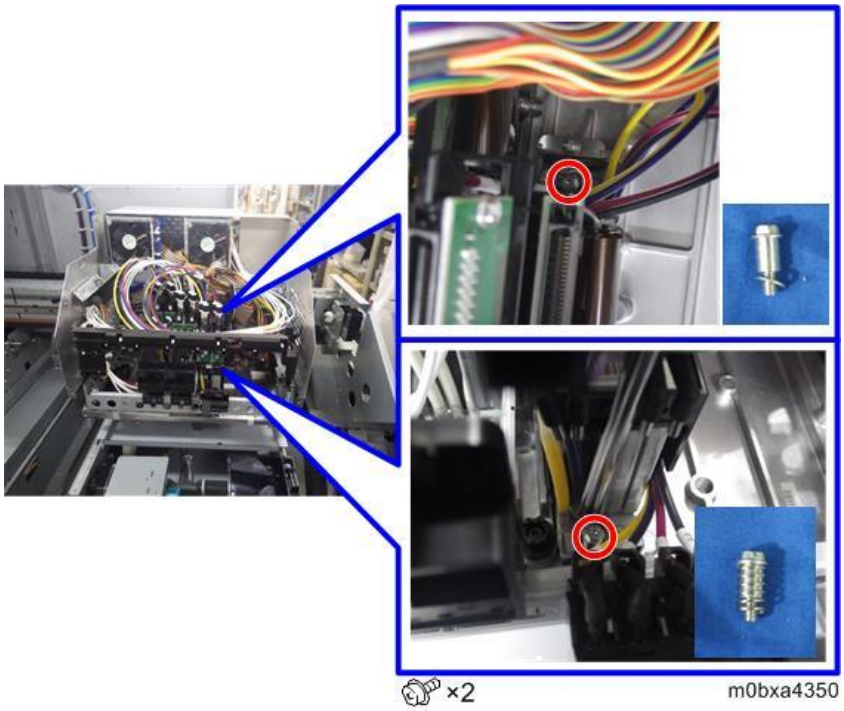
6. Tighten the screws loosened in step 3 and 4.

Adjusting Head Position in the Direction of Sub Scan

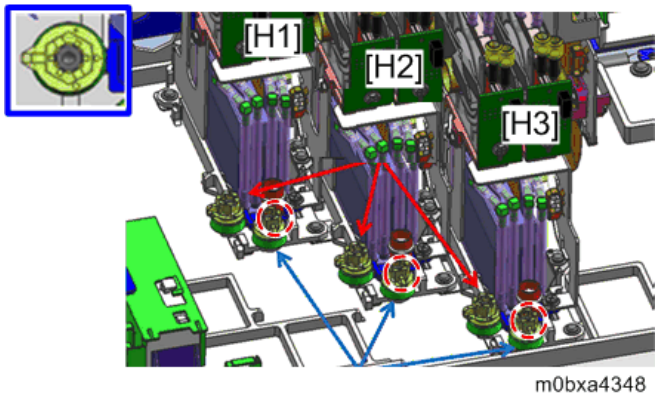
1. Execute head cleaning. (About Head Cleaning)

2. Execute SP5-922-003 (Measuring Head Inclination Measuring Sub Scan Deviation).
The results are displayed in the following SP (Head Sub Scan Displacement). SP3-175-010 (Measured Displacement Amount (Head1-Head2))
SP3-175-011 (Measured Displacement Amount (Head1-Head3))

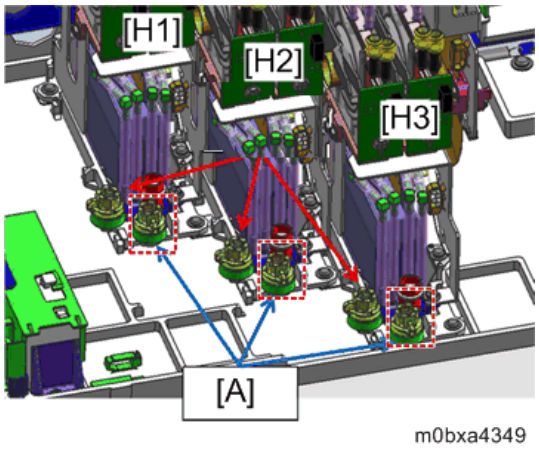
3. Loosen the screws fixing the print heads.



4. Loosen the hex screws (2.5 mm) in the cams.



5. Adjust the head position until the value displayed on the operation panel turns ± 10μm. Rotate the sub scan direction head position adjustment cam [A] to adjust the head position.



For the rotation angle of the cam, refer to the following table and the graph in the step 5, Adjusting

Head Inclination.

Rotation angle (degree)	Moving distance (μm)
10	2.8
20	5.7
30	8.6
40	11.5
50	14.4
60	17.4
70	20.4
80	23.5
90	26.7
100	30
110	33.3
120	36.8
130	40.5
140	44.4
150	48.5
160	53.1
170	58.2
180	64.1
190	71.8
200	90

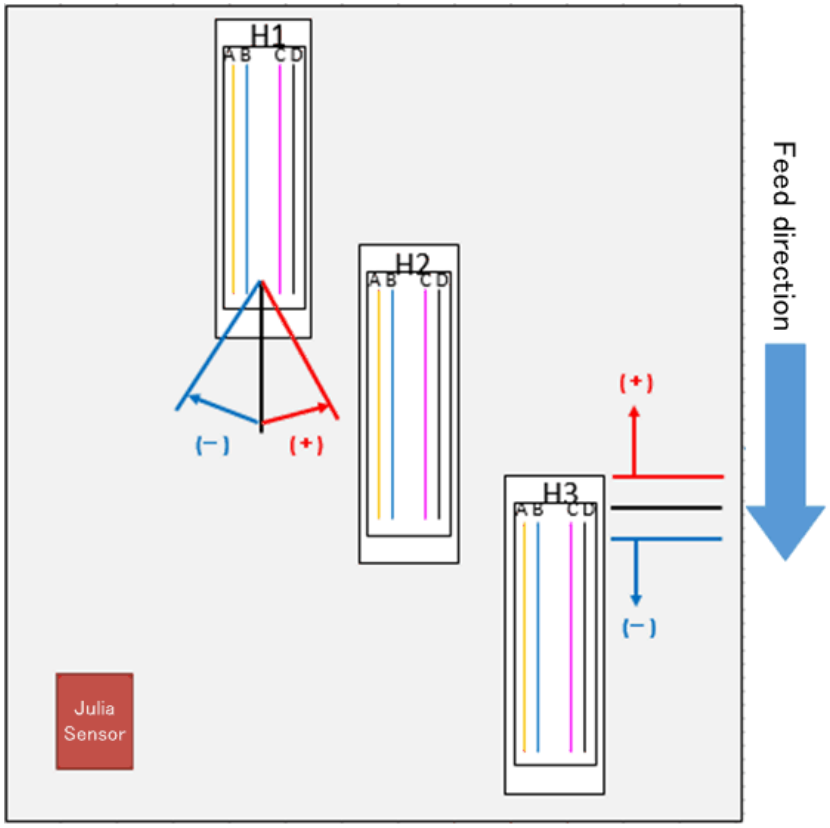
6. Tighten the screws loosened in step 3 and 4.

7. Check the inclination again using SP3-175-004, 005, and 006.

*The colorimetric sensor has a repeatability error by about ± 10μm. If the value is once adjusted within± 10μm, the value within ± 20μm may appear on the display as a result of re-reading. Target value is ± 20μm in the checking procedure.

*If the displayed value appears strange, execute head cleaning, and then execute the print/scan process again.

Head Inclination Direction and the Sign of the Displayed Number



w_m0bxa4518_en

The Sign of Head Inclination

+: The print head is inclined to the right from the rotation center of the print head to the transportation direction axis line. (Counterclockwise)

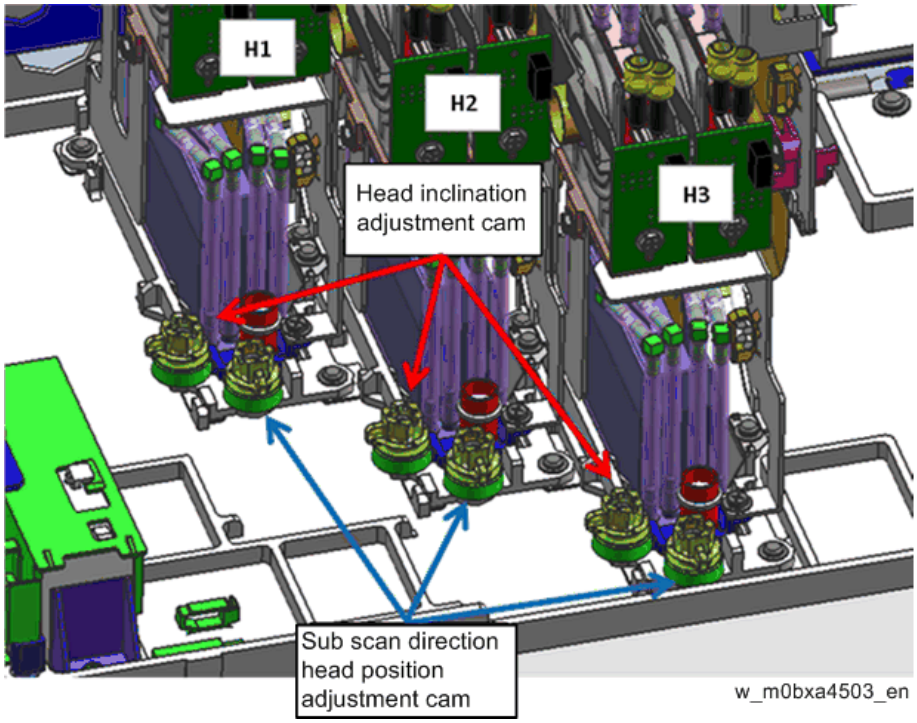
-: The print head is inclined to the left from the rotation center of the print head to the transportation direction axis line. (Clockwise)

The Sign of Sub Scan Direction Head Movement

+: When the downstream print head is shifted to the direction closer to the upstream print head. (Overlapping between the two print heads is too big.)

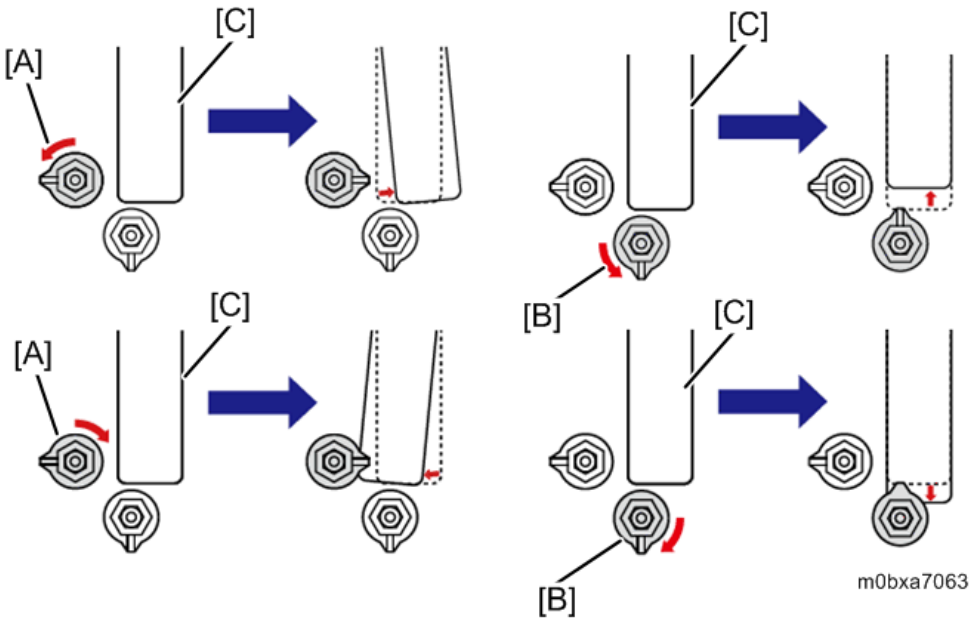
-: When the downstream print head is shifted to the direction away from the upstream print head. (Overlapping between the two print heads is too small.)

Locations of the head inclination adjustment cams and the sub scan direction head position adjustment cams



Head Moving Direction by Using Cam

For the rotation angle of the cam and moving distance, refer to the graph in the step 3, Adjusting Head Inclination, and also refer to the graph in the step 3, Adjusting Head Position in the Direction of Sub Scan.



- [A], [B]: Cam
- [C]: Head

Manual Adjustment of the Head Position

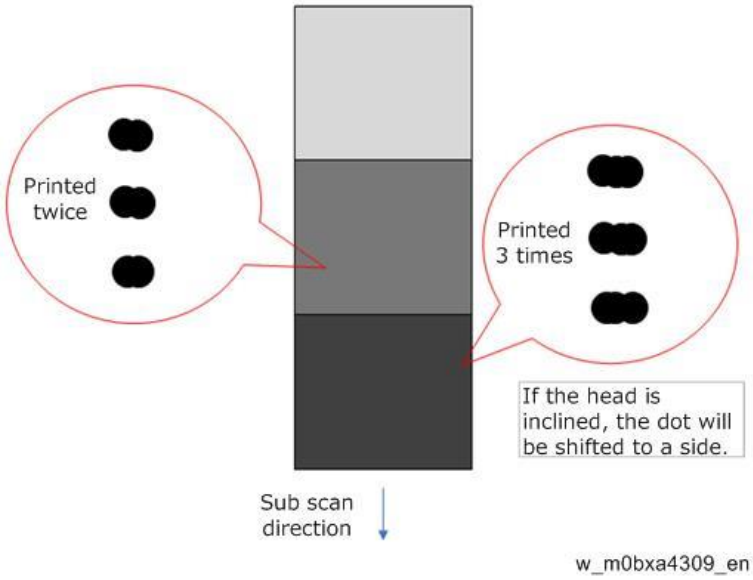
Important

The colorimetric sensor cannot detect the head position of the white ink head (Head 2).

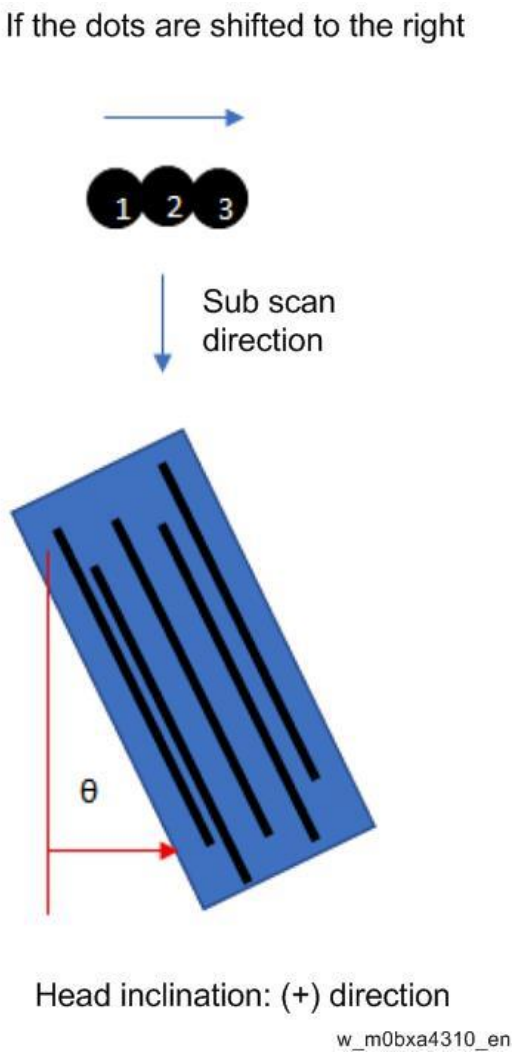
Check the printed image to determine the head position, and then adjust it.
It is recommended that you adjust Head 1 and Head 3 using the colorimetric sensor and manually adjust Head 2 only.
The media must be changed according to the target head during adjustment.

Head Inclination Adjustment

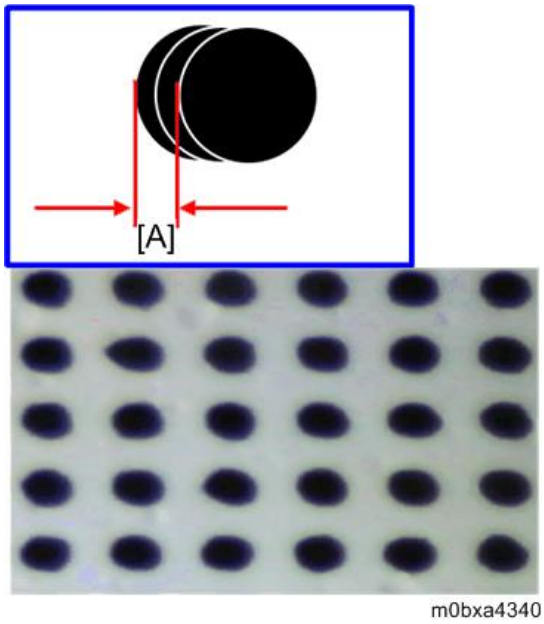
1. Make sure the following conditions are met.
   - Make the machine ready to print.
   - Use a media on which the dots will not be blurred, for example glossy paper or PVC. For white ink adjustment, use PET (media that enables you to see the white ink, such as transparent media).
   - The media width must be 420 mm or wider.
2. Execute head cleaning. (About Head Cleaning)
3. Print the nozzle check pattern to make sure there are no defects in heads 1-3. (Nozzle Check Pattern Printing/Checking)
4. Execute SP5-922-004 from the operation panel.
5. After the execution is completed, check the printed image and adjust the head inclination according to "Measuring Head Inclination (Absolute) (Adjustment after Replacing the Print Head Unit)".
   Because the amount of inclination is not displayed, determine the amount of adjustment by looking at the image.
   - The printed image
     The following image is printed for each head.



   - Directions of dot shifting and head inclination
     In the figure above, the lightest patch is printed once, the center patch is printed twice, and the darkest patch is printed three times. Check all patches in order and determine in which direction the dots are shifted.

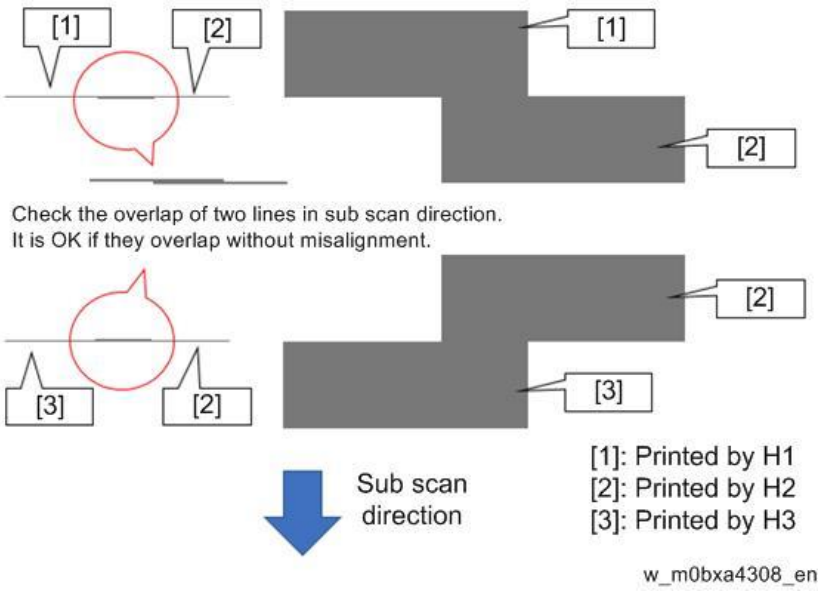


6. Repeat steps 2 - 5 until the dots printed by the target head are aligned.
Allowable range of head inclination is follows: the part [A] is 20μm or less.
Actual dot photograph (3 dots overlap) in case of 15μm head inclination.



Sub Scan Direction Head Position Adjustment

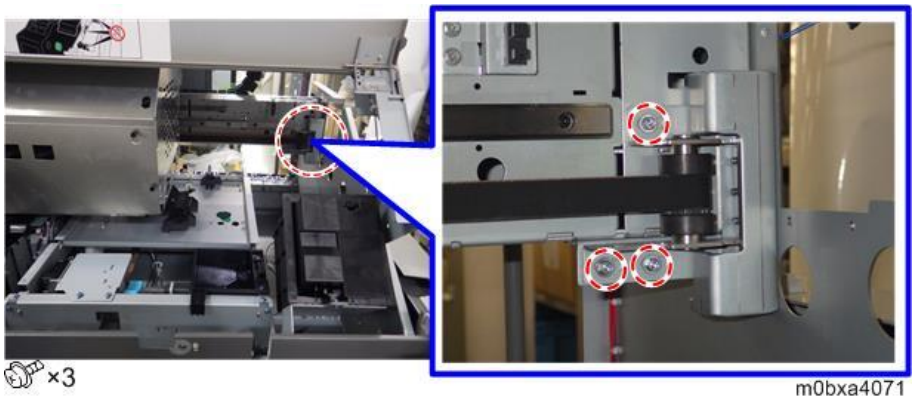
1. Make sure the following conditions are met.
   - Make the machine ready to print.
   - Use a media on which the dots will not be blurred, for example coated paper, glossy paper or PVC. For white ink adjustment, use PET (media that enables you to see the white ink, such as transparent media).
   - The media width must be 420 mm or wider.
2. Execute head cleaning. (About Head Cleaning)
3. Print the nozzle check pattern to make sure there are no defects in heads 1-3. (Nozzle Check Pattern Printing/Checking)
4. Execute SP5-922-005 from the operation panel.
5. After the execution is completed, check the printed image and adjust the head position according to "Measuring Head Inclination (Measuring Sub Scan Deviation) (Adjustment after Replacing the Print Head Unit)". Because the amount of inclination is not displayed, determine the amount of adjustment by looking at the image.
   - Printed image



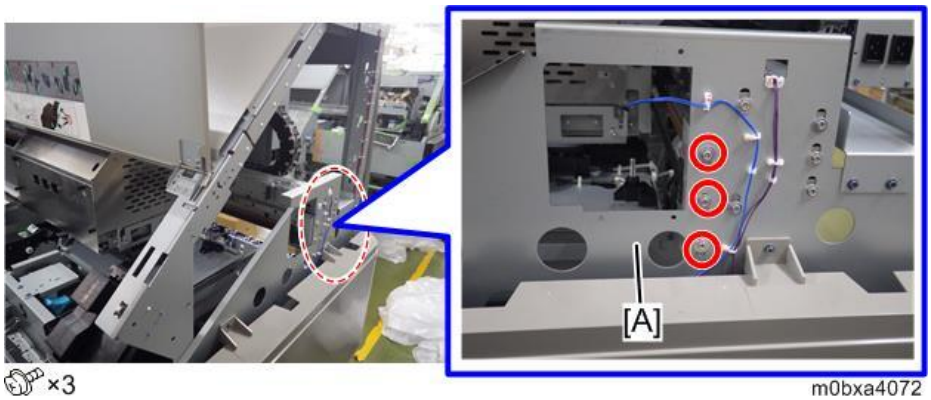
   - If the line printed by H2 is shifted to the (+) side in the sub scan direction, move H2 in the (+) direction using the cam.
   - The amount of line misalignment cannot be confirmed with the unaided eye. Use a magnifier or a similar tool to magnify the printed image.
   - First align Heads 1 and 2, and then Heads 2 and 3.
   - Adjustment is complete when there are no misalignment between Heads 1 and 2 and between Heads 2 and 3.
6. Repeat steps 2 to 5 until the heads are aligned.

Carriage Drive Belt

1. Remove the rear right cover. (Removing the Rear Right Cover)
2. Remove the carriage rising motor with the bracket. (Carriage Motor)
3. Loosen the screws.

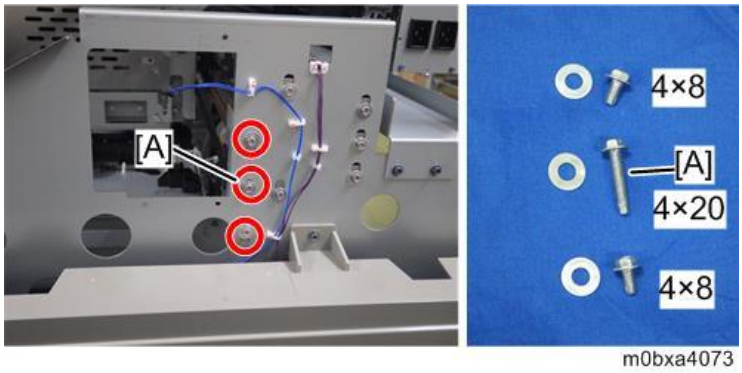


4. Remove the fixing screws [A] from the right side plate.

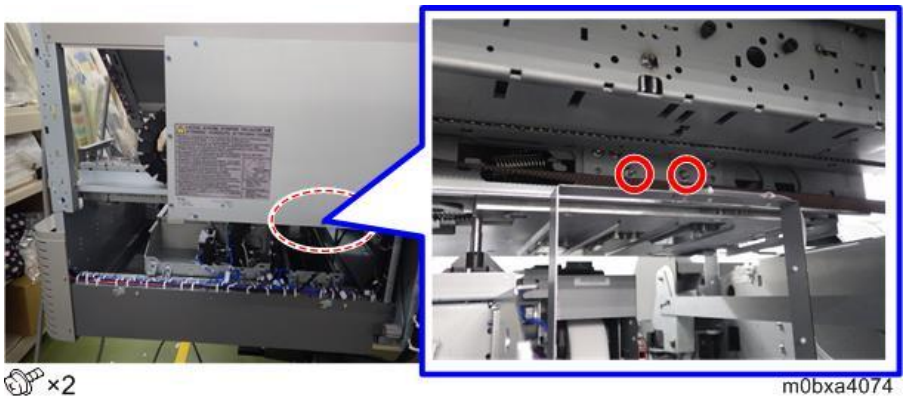


Note

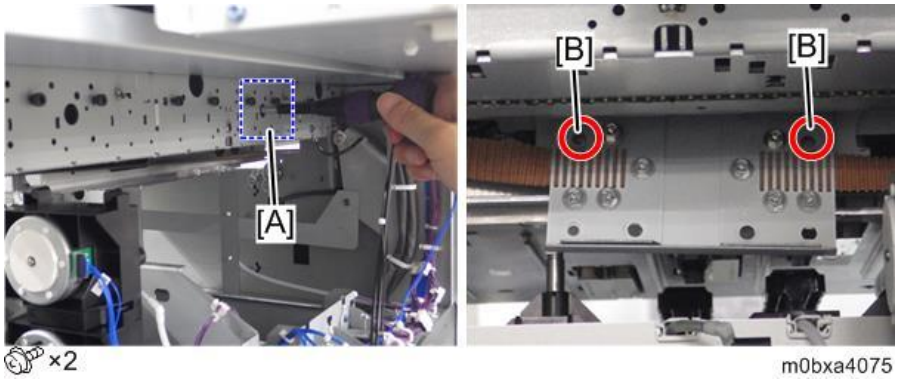
The screw [A] is different in size from other screws. When installing, make sure to use the correct screw [A].



5. Remove the screws from the rear side.

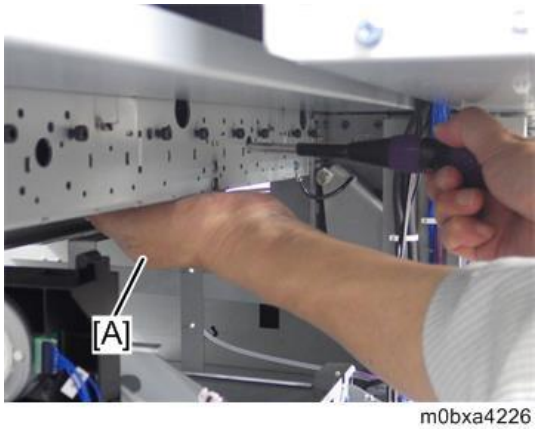


6. Inserting the driver into the hole [A] of the bracket, and then remove the screws [B].

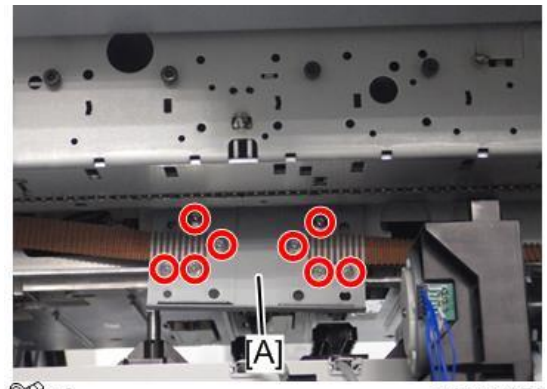


Note

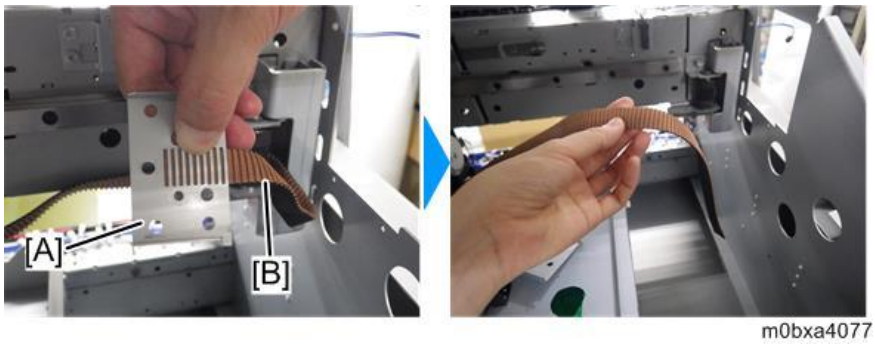
Receive the removed screw by hand [A] to prevent dropping it inside the main unit.



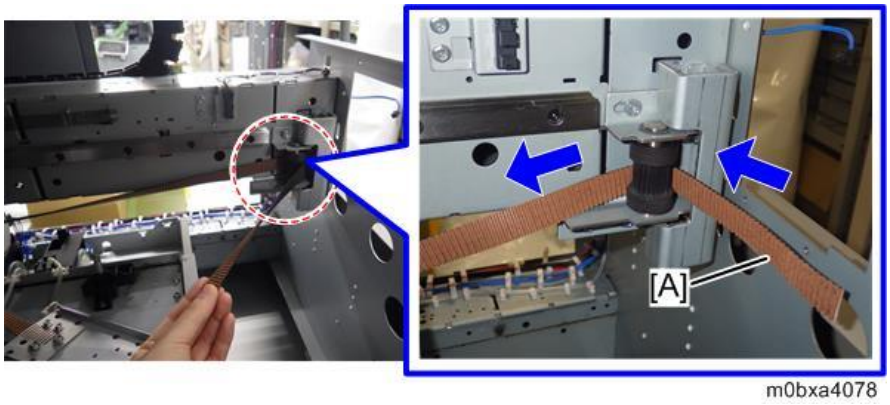
7. Remove the screws of the bracket [A].



8. Remove the screws loosened in step 3, and then remove the bracket [A] and carriage drive belt [B].

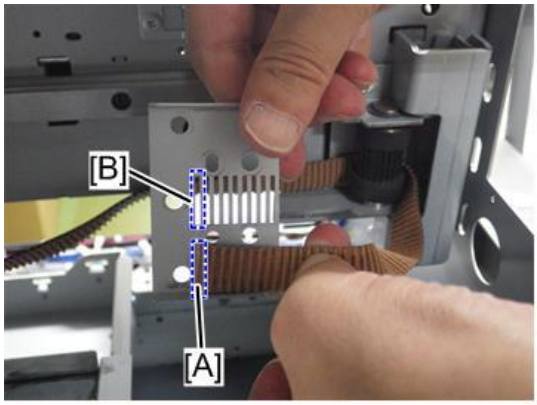


9. Remove the carriage drive belt [A].



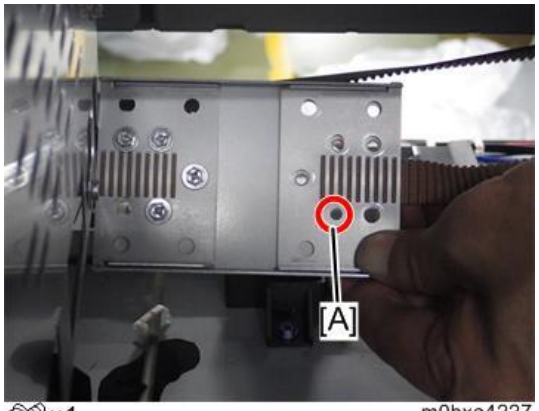
Note

When attaching the carriage drive belt, align the edge [A] of the carriage drive belt with the oblong hole [B] of the bracket.



m0bxa4079

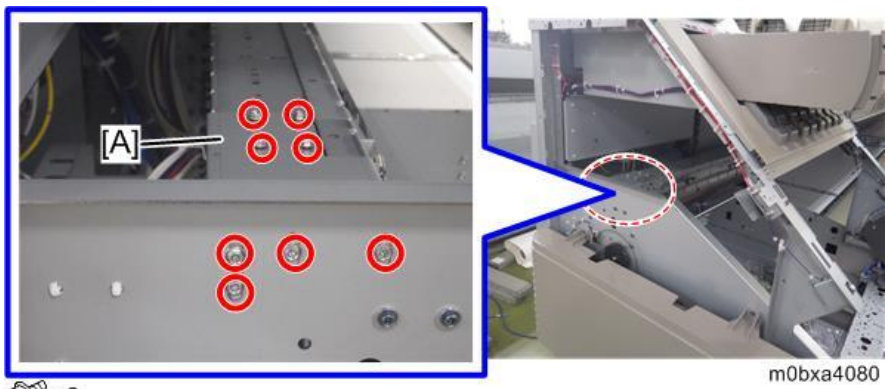
Before attaching the carriage drive belt, temporarily fix the carriage drive belt to the position [A].



×1 m0bxa4227

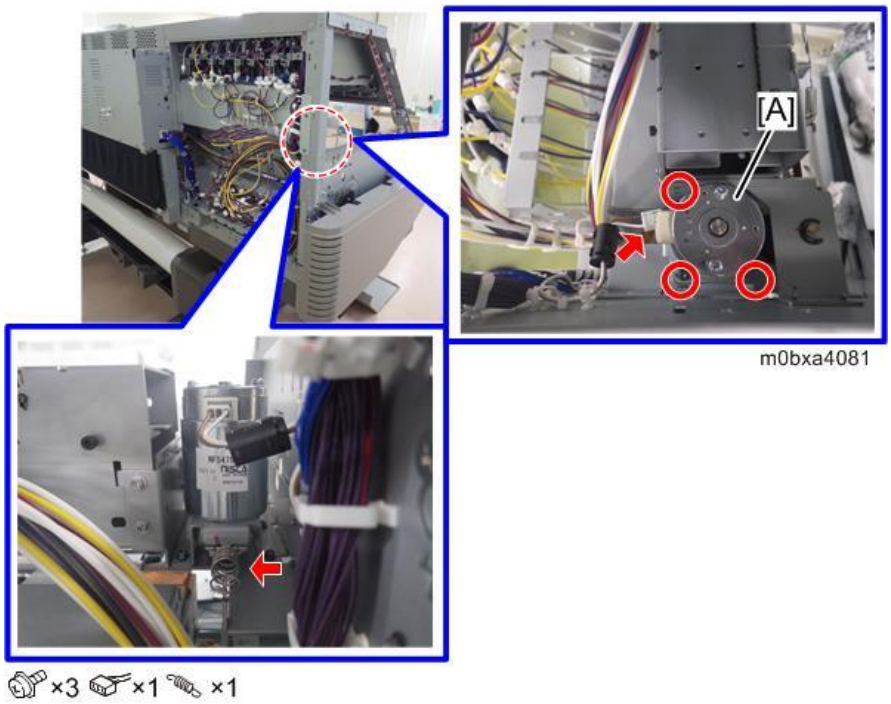
Carriage Drive Motor

1. Remove the rear left cover. (Removing the Rear Left Cover)
2. Remove the left side upper cover. (Removing the Left Side Upper Cover)
3. Remove the stay [A].

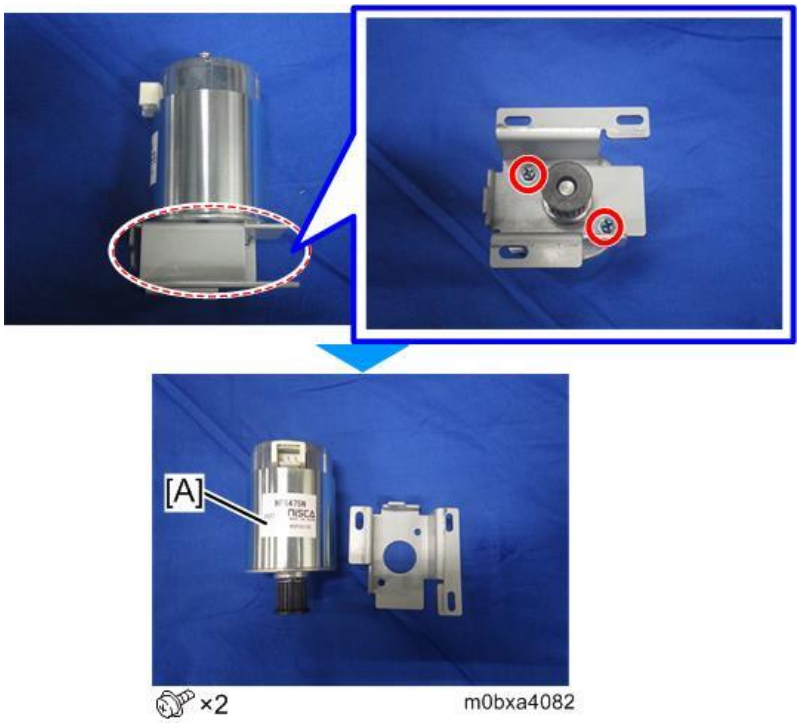


×8 m0bxa4080

4. Remove the carriage drive motor [A] with the bracket.



5. Remove the carriage drive motor [A] from the bracket.

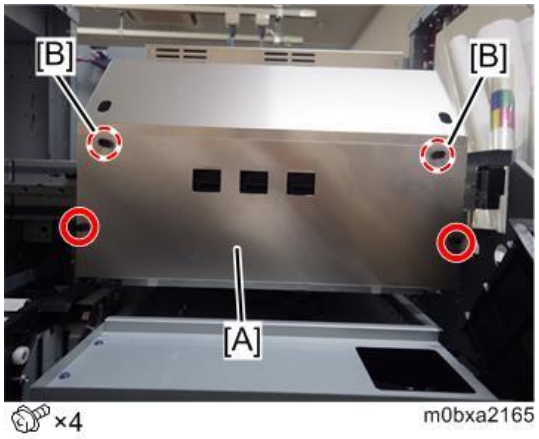


Circulation Solenoid

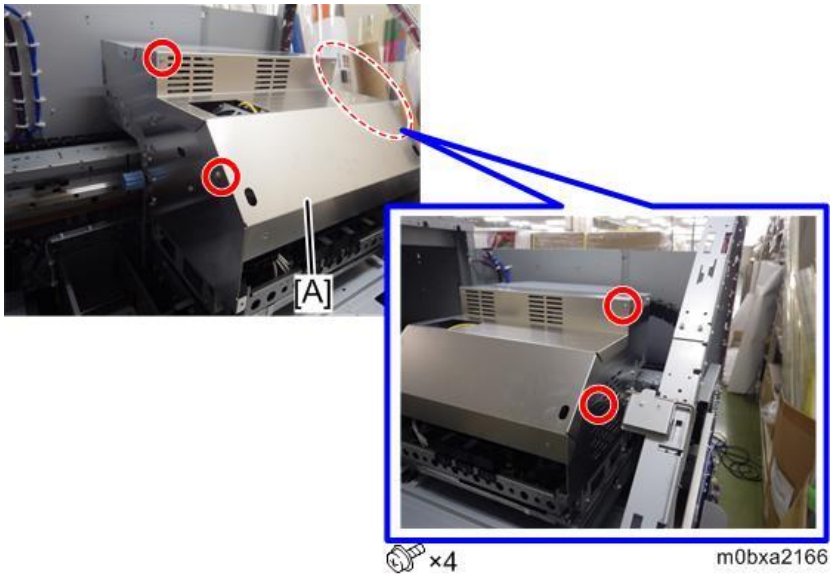
1. Remove the right upper cover. (Measuring the Head Height)

2. Remove the carriage front lower cover [A].

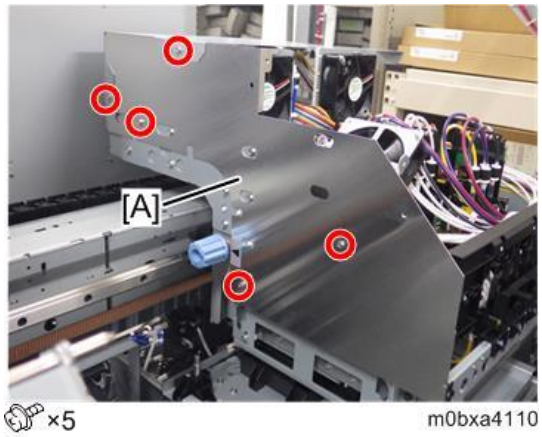
When removing the carriage front lower cover, loosen the screws [B].



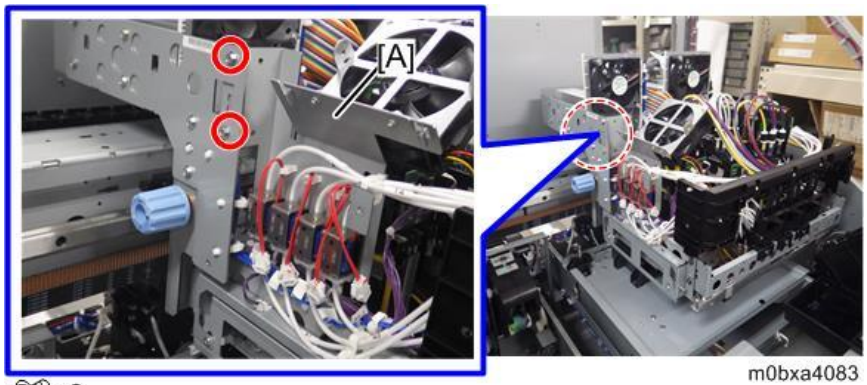
3. Remove the carriage front cover [A].



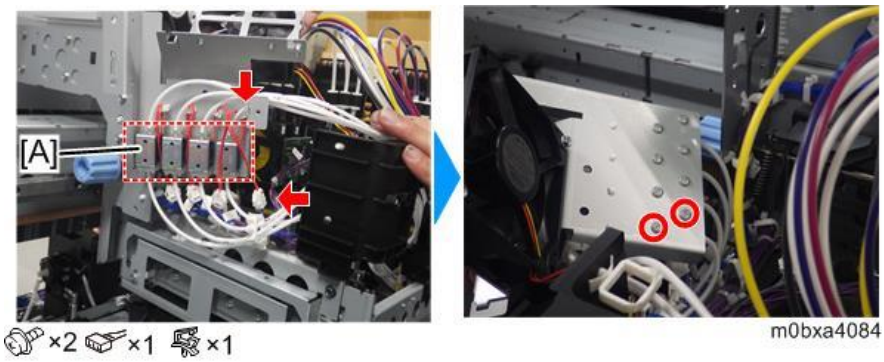
4. Remove the carriage left cover [A].



5. Remove the screws from the bracket [A] of the circulation solenoid.



6. Open the clamp and disconnect the connector, and remove the screws from the bracket [A], and then remove the circulation solenoid [B].

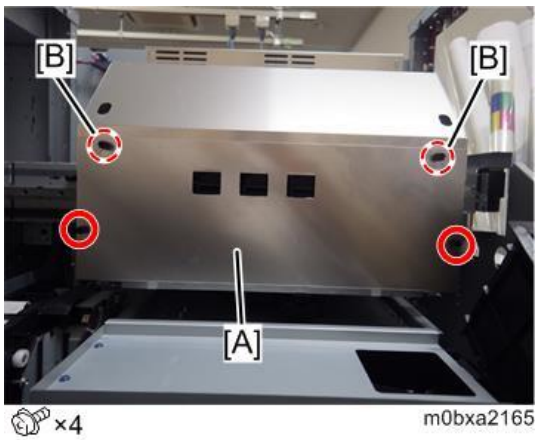


Colorimetric Sensor

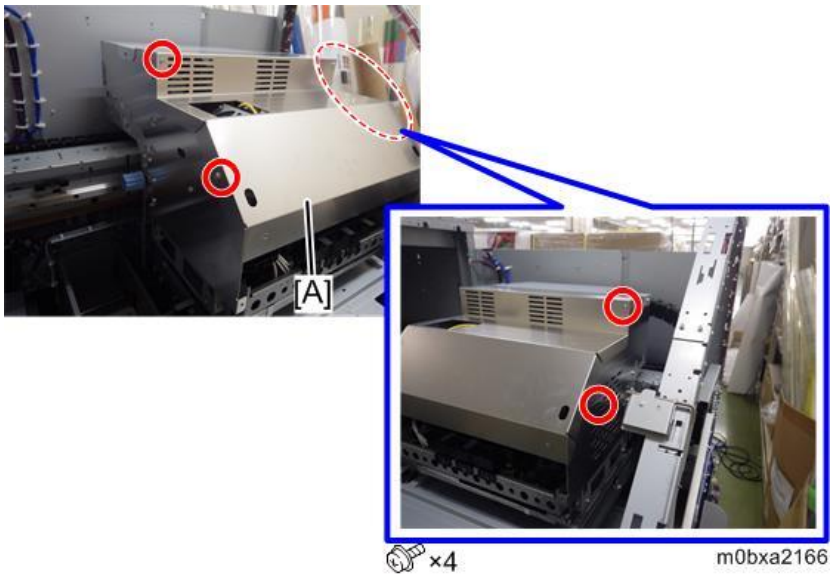
1. Remove the right upper cover. (Measuring the Head Height)

2. Remove the carriage front lower cover [A].

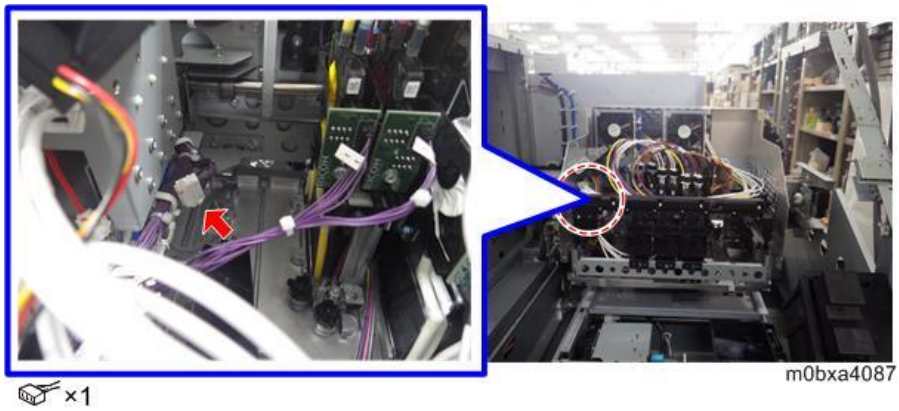
When removing the carriage front lower cover, loosen the screws [B].



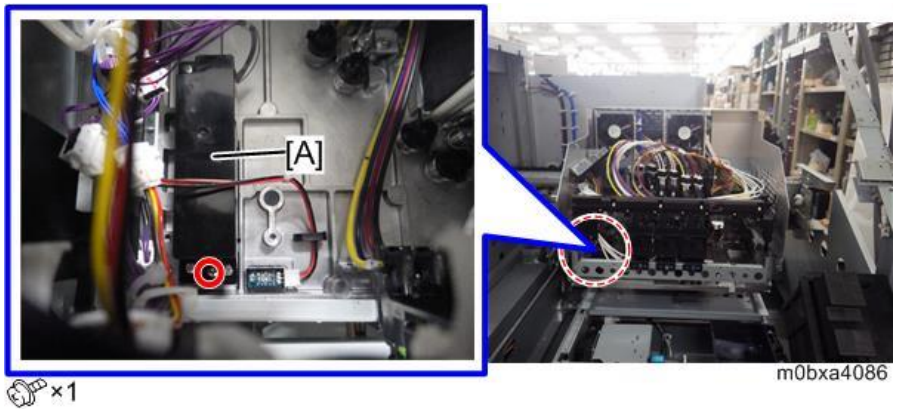
3. Remove the carriage front cover [A].



4. Disconnect the connector.



5. Remove the colorimetric sensor [A] with the cover.



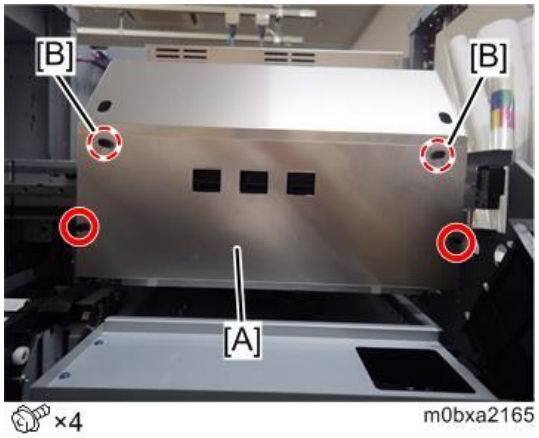
Main Scan Position Adjustment

Adjust the position of the main scan after replacing or removing the colorimetric sensor.

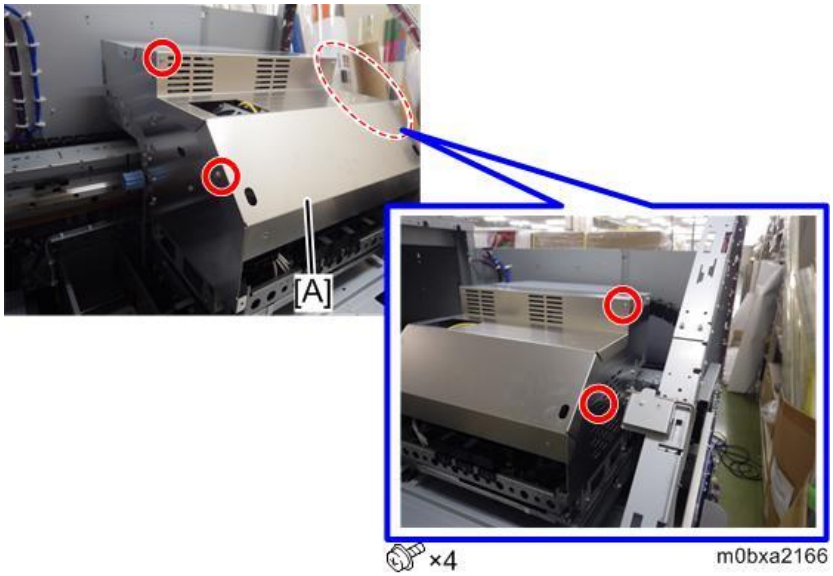
Execute SP5-921-001 (Carriage Position Adjustment Colorimetric Sensor Read Position).

Paper Edge Sensor

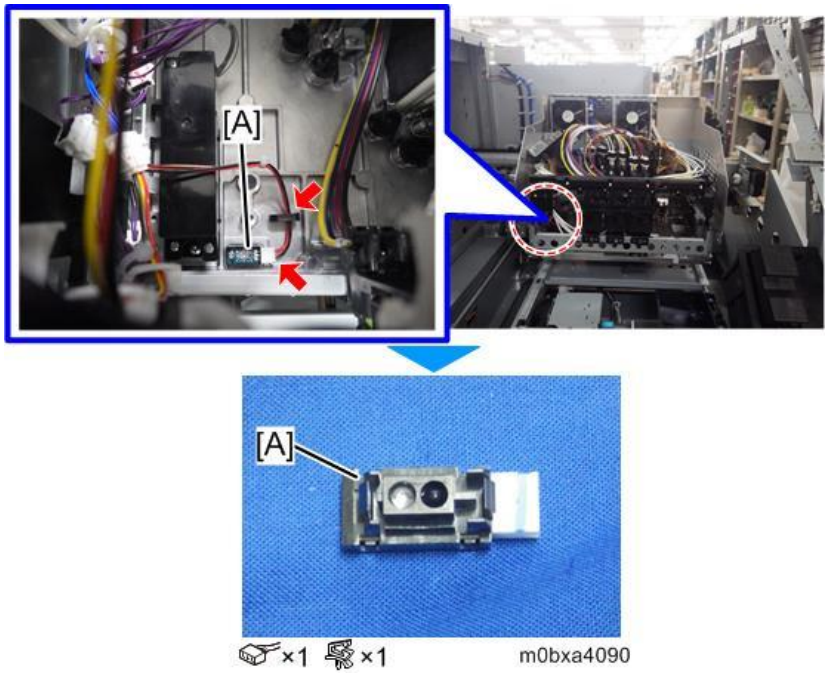
1. Remove the right upper cover. (Measuring the Head Height)
2. Remove the carriage front lower cover [A].
   When removing the carriage front lower cover, loosen the screws [B].



3. Remove the carriage front cover [A].



4. Remove the paper edge sensor [A].

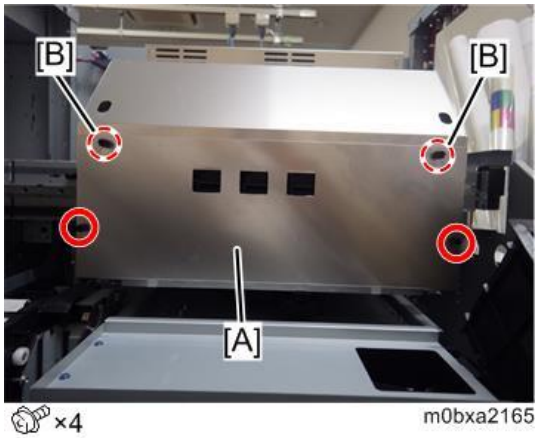


Main Scan Encoder Sensor

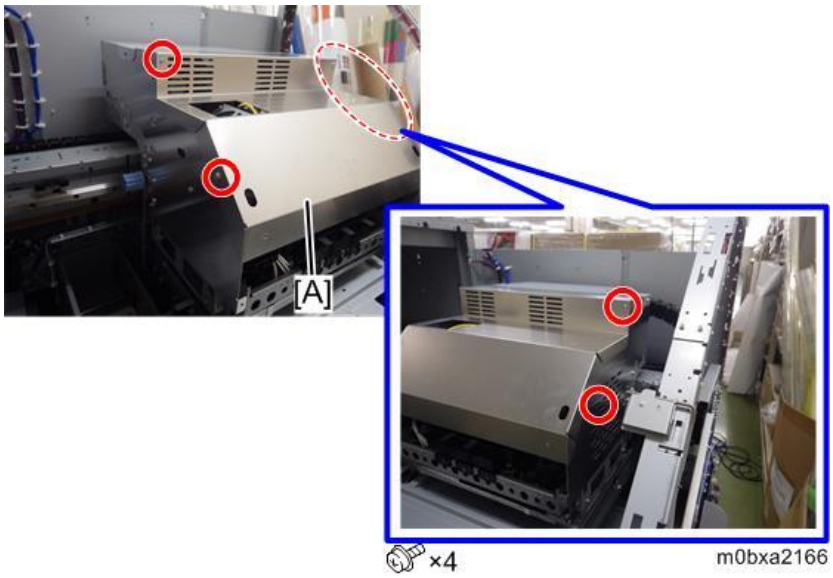
1. Remove the right upper cover. (Measuring the Head Height)

2. Remove the carriage front lower cover [A].

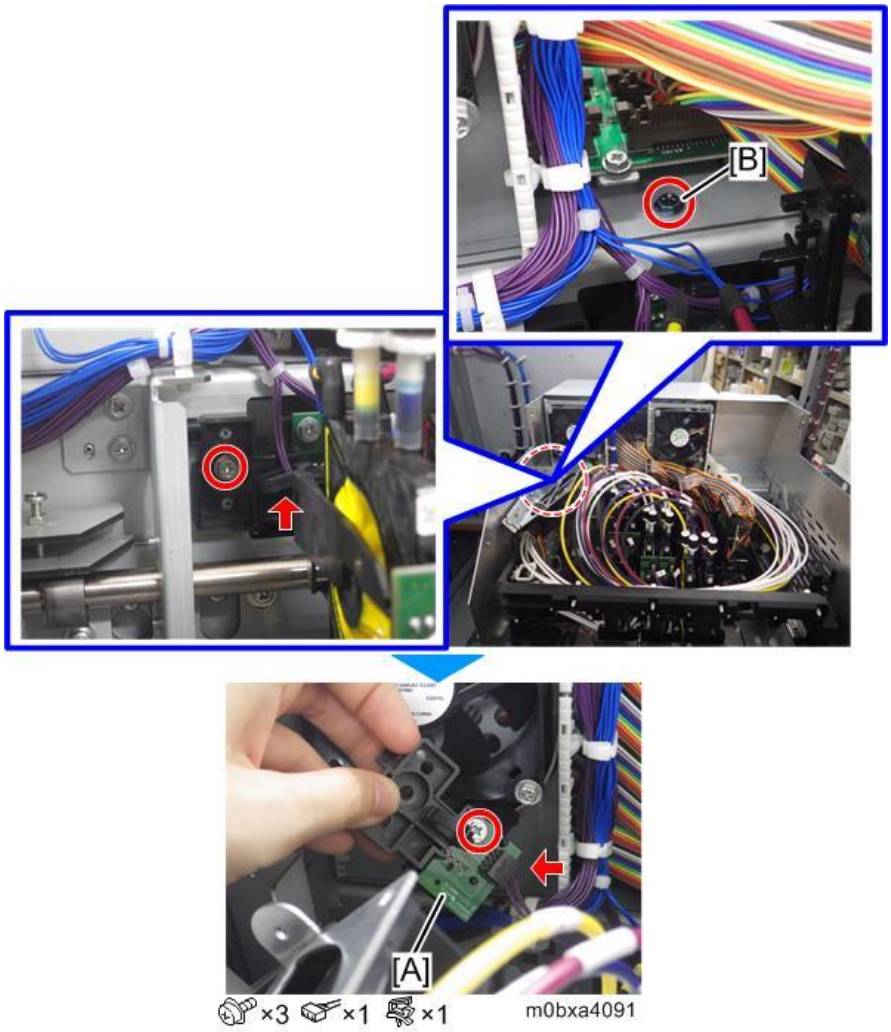
When removing the carriage front lower cover, loosen the screws [B].



3. Remove the carriage front cover [A].



4. Remove the main scan encoder sensor [A].



Note

- When attaching the main scan encoder sensor, install the sensor and the holder in the carriage, and then tighten the screw [B].

- After replacing the main scan encoder sensor, make sure that the main scan encoder sheet is inserted into the slit of the main scan encoder sensor.

Main Scan Encoder Sheet

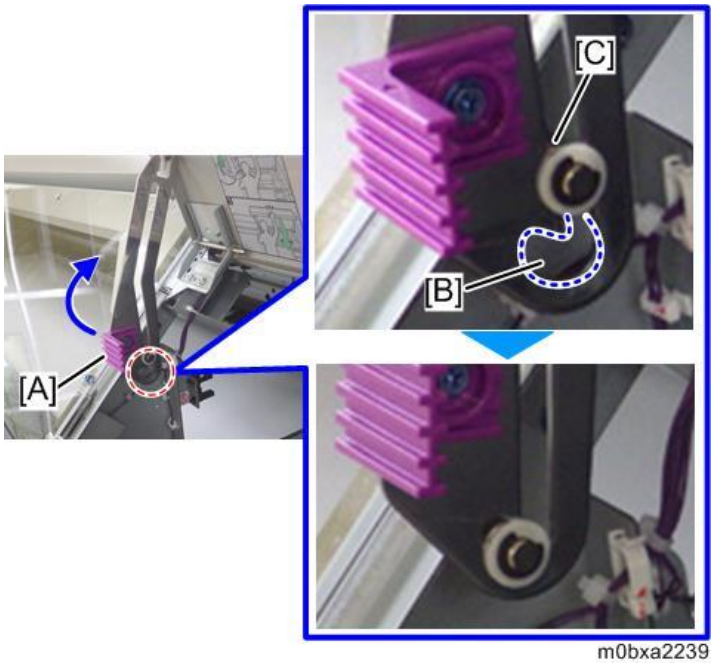
1. Remove the left front cover. (Removing the Left Front Cover)
2. Open the right front cover [A].



m0bxa2048

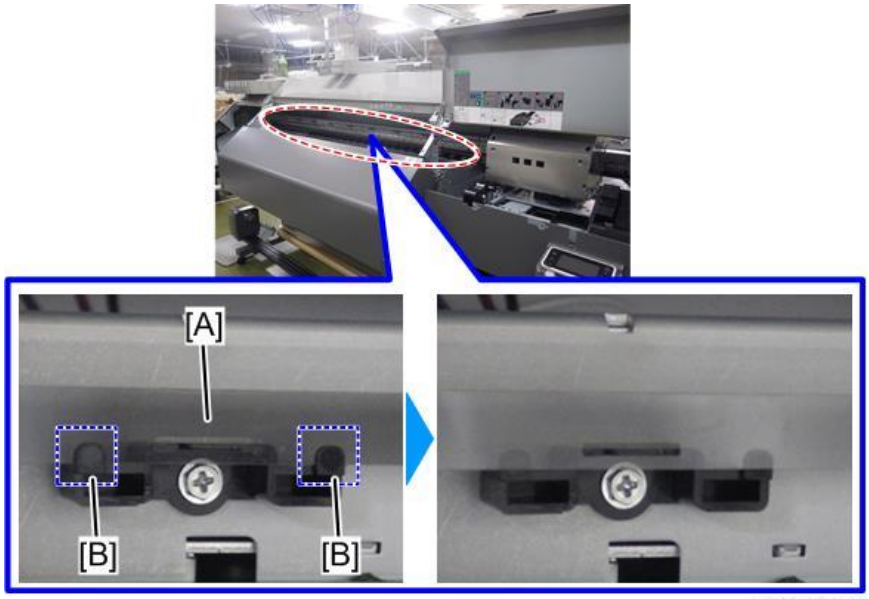
Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



m0bxa2239

3. Detach the main scan encoder sheet [A] from the holder [B].

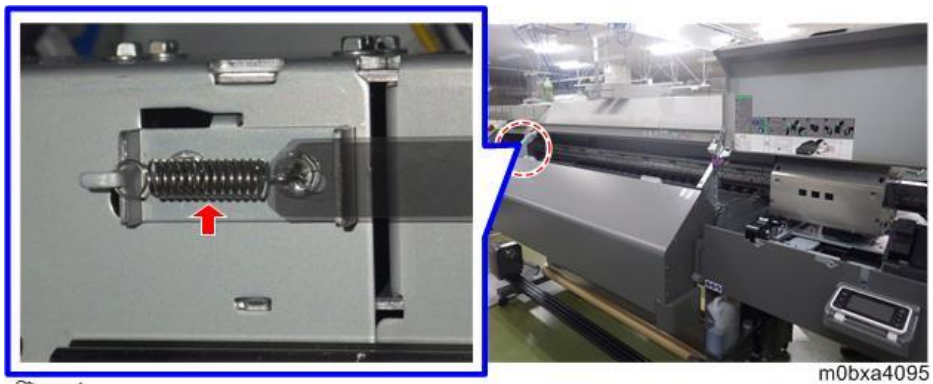


m0bxa4094

Note

- When attaching the main scan encoder sheet, prevent the sheet from touching the guide rail. Otherwise the sheet gets oil stain.

4. Remove the spring at the left edge of the main scan encoder sheet.



m0bxa4095

Note

Don't tense the spring excessively, or the main encoder sheet may break.

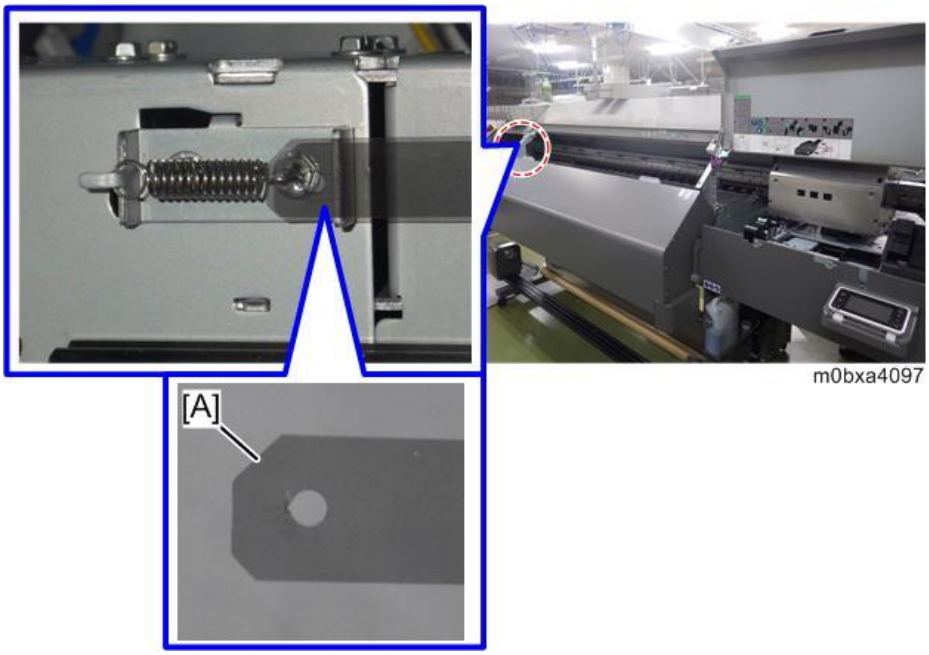
5. Remove the main scan encoder sheet from the hook [A] at the right edge.



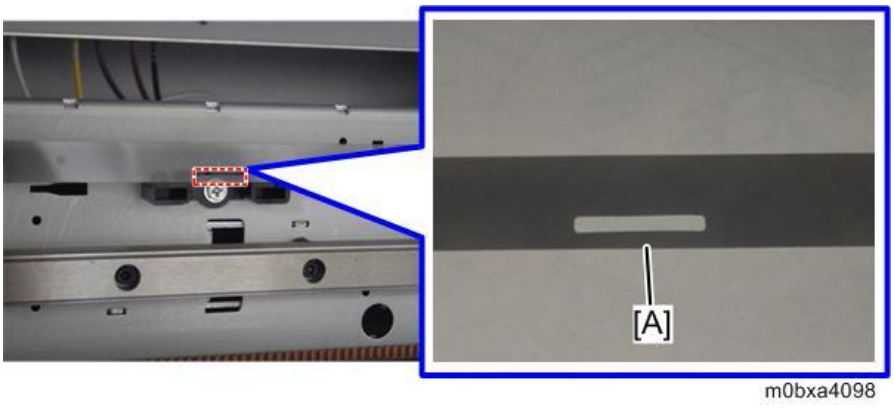
m0bxa4096

Note

- When installing the main scan encoder sheet, set the sheet to the holder so that the cutout part [A] of the sheet is positioned at the left upper side, and then hook the spring into the hole of the sheet.



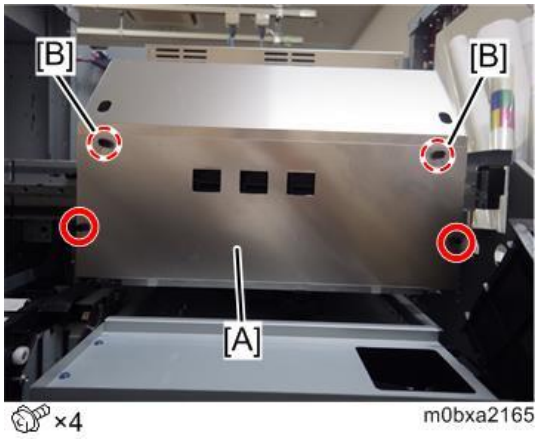
- The cutout [A] of the main scan encoder sheet is positioned at the lower side. Make sure that the cutout [A] is inserted into the holder.



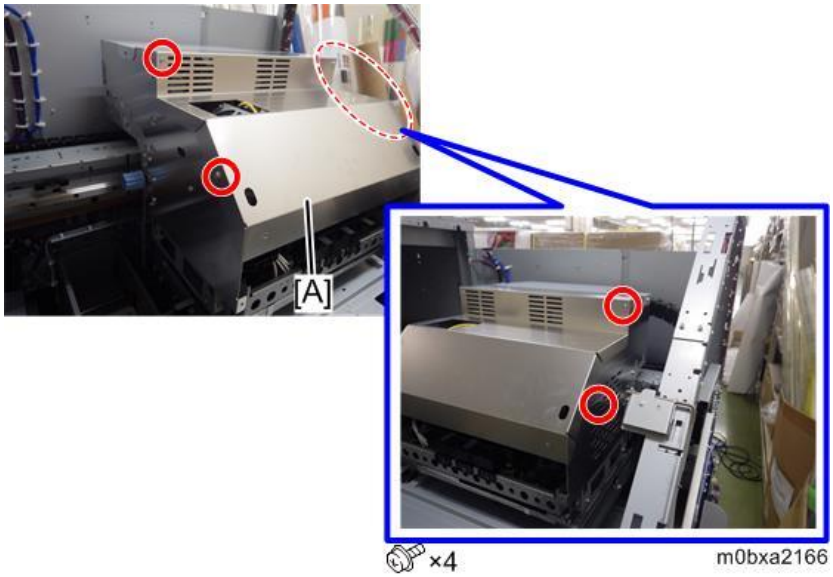
- The new main scan encoder sheet has the protection sheet. Peel off the protection sheet before installing it.
- After replacing the main scan encoder sheet, make sure that the main scan encoder sheet is inserted into the slit of the main scan encoder sensor.
- After attaching the main scan encoder sheet, check if the sheet has oil stain or scratches.

HDC (Head Control Board)

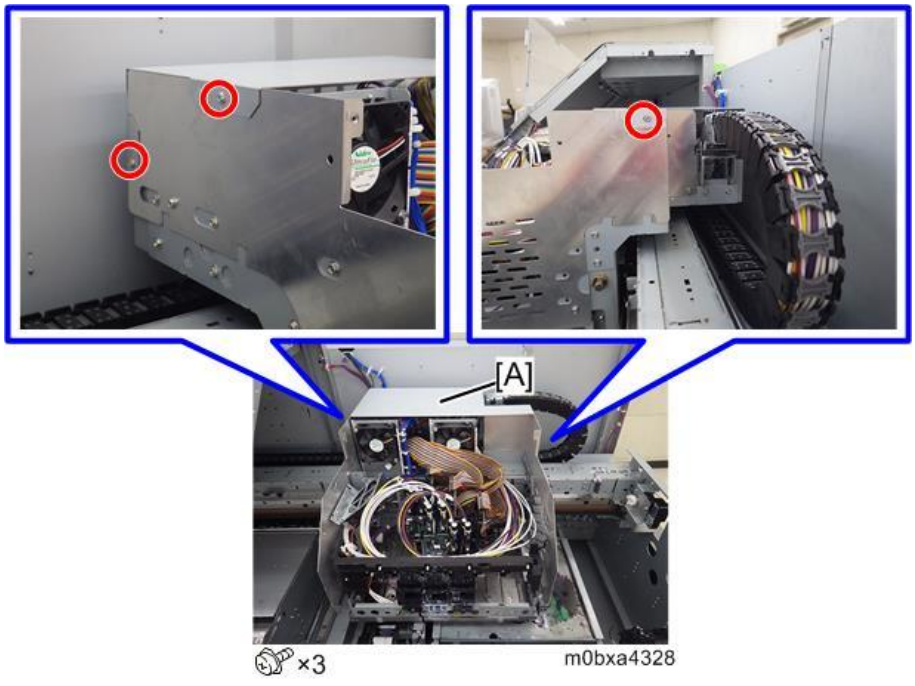
1. Remove the right upper cover. (Measuring the Head Height)
2. Remove the carriage front lower cover [A].
   When removing the carriage front lower cover, loosen the screws [B].



3. Remove the carriage front cover [A].



4. Remove the carriage rear cover [A].



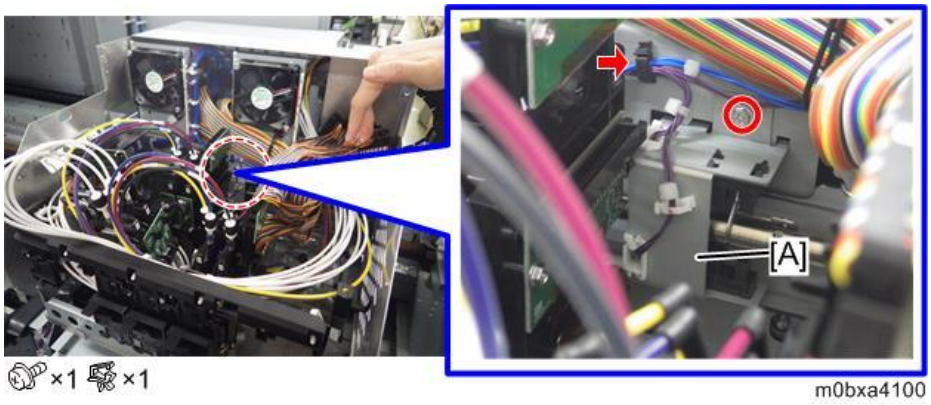
5. Remove the HDC (head control board) [A].



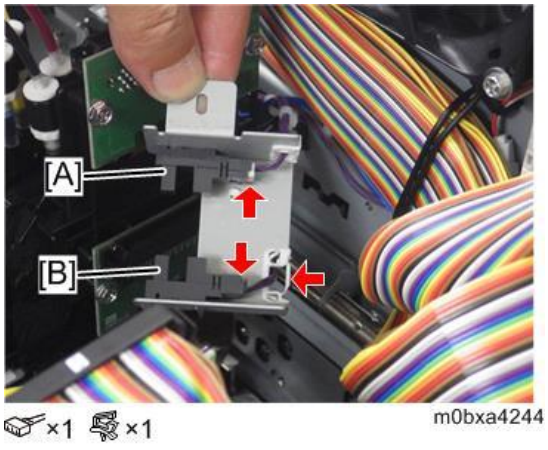
Carriage Rising Sensor 1 and 2

1. Remove the print head unit 2. (Print Head Unit)

2. Remove the carriage rising sensor 1 and 2 [A] with the bracket.



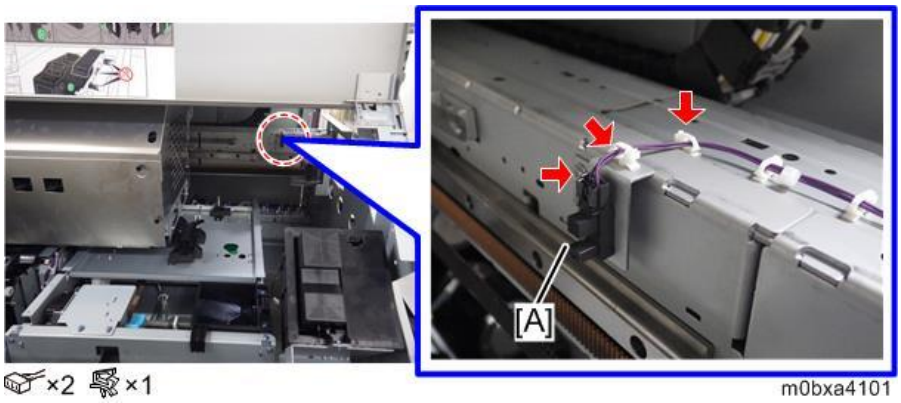
3. Remove the carriage rising sensor 1 [A] and carriage rising sensor 2 [B].



Carriage Home Position Sensor

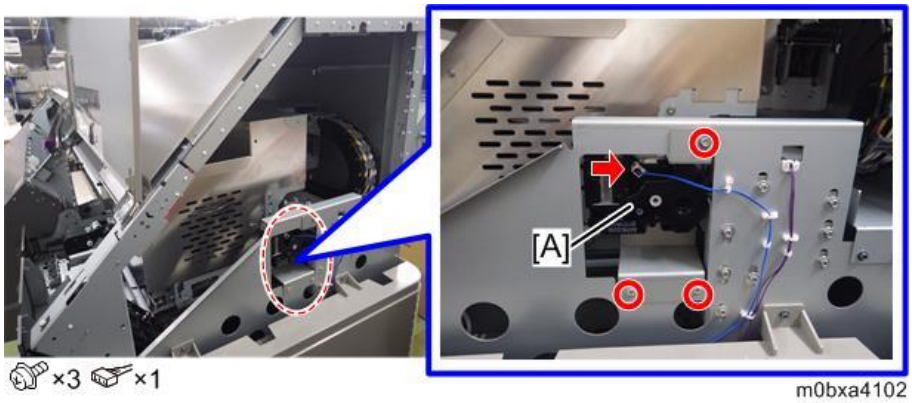
1. Move away the carriage unit. (Moving Away the Carriage Unit)

2. Remove the carriage home position sensor [A].

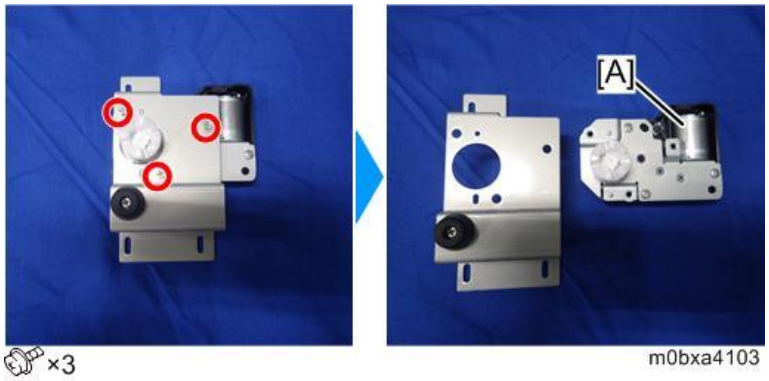


Carriage Motor

1. Remove the right side upper cover. (Removing the Right Side Upper Cover)
2. Remove the carriage motor with the bracket [A].



3. Remove the carriage motor [A].

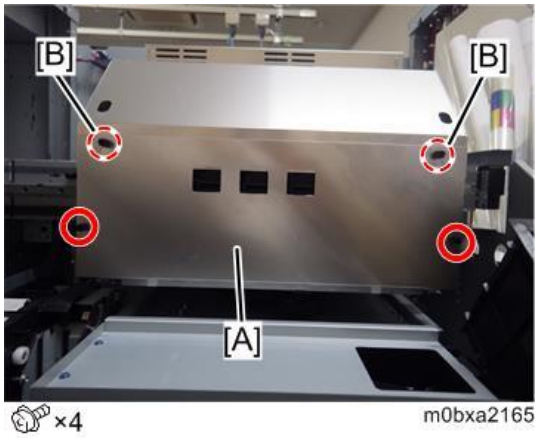


Carriage Jam Sensor

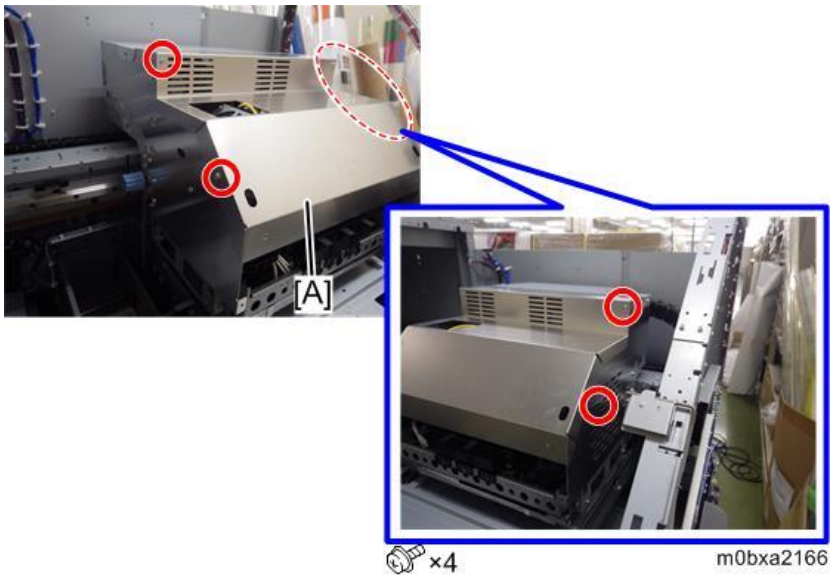
Carriage Jam Sensor (Right)

1. Remove the right upper cover. (Measuring the Head Height)
2. Move away the carriage unit. (Moving Away the Carriage Unit)
3. Remove the carriage front lower cover [A].

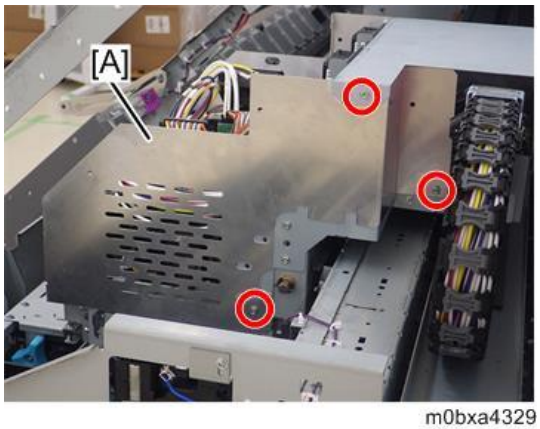
When removing the carriage front lower cover, loosen the screws [B].



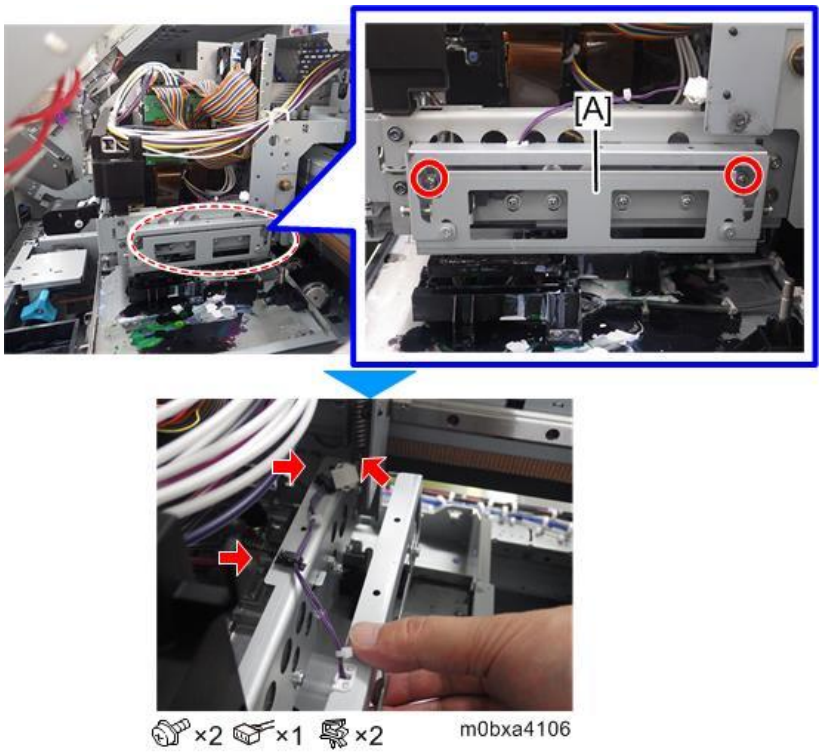
4. Remove the carriage front cover [A].



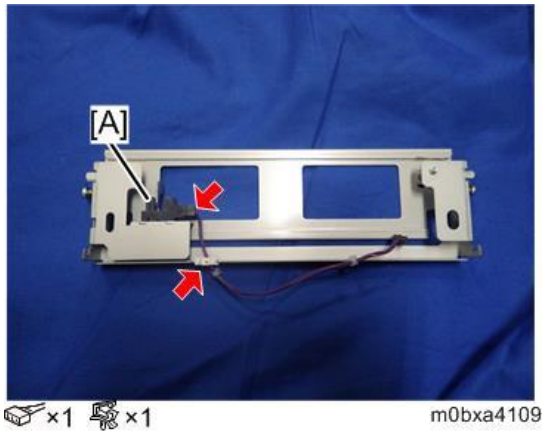
5. Remove the carriage right cover [A].



6. Remove the carriage jam sensor (right) [A] with the feeler.



7. Remove the carriage jam sensor (right) [A].



Note

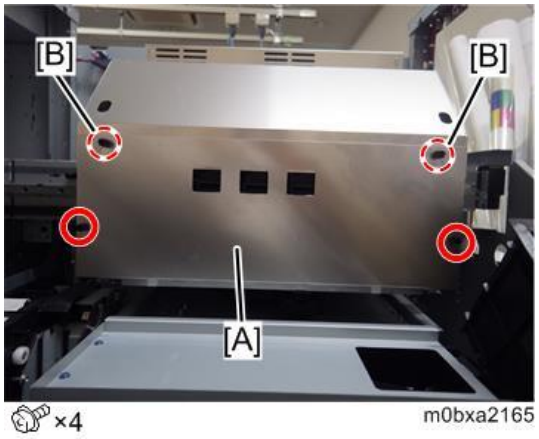
After replacing the sensor, adjust the gap between the jam detection feeler and the platen by the extent of 1.8 ± 0.2 mm (approx. 0.071 ± 0.008 inch). (Jam Detection Feeler Height Adjustment)

Carriage Jam Sensor (Left)

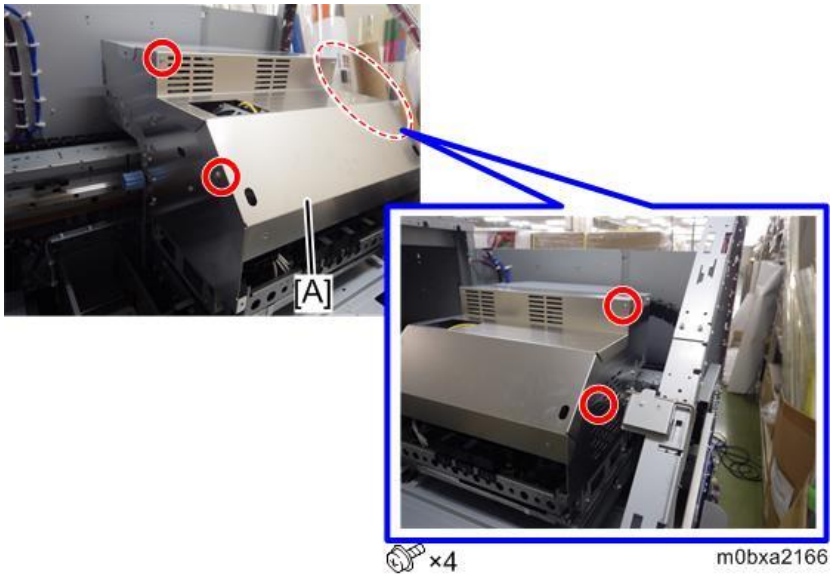
1. Remove the right upper cover. (Measuring the Head Height)

2. Remove the carriage front lower cover [A].

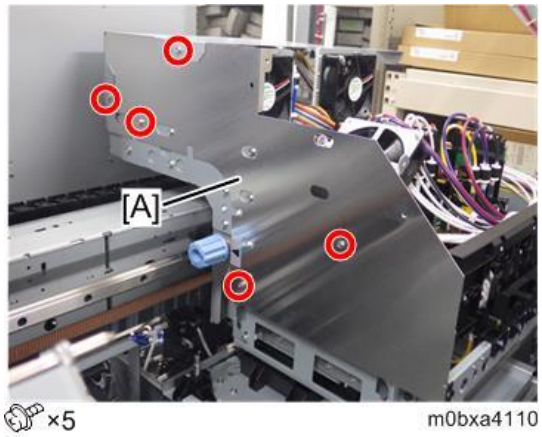
When removing the carriage front lower cover, loosen the screws [B].



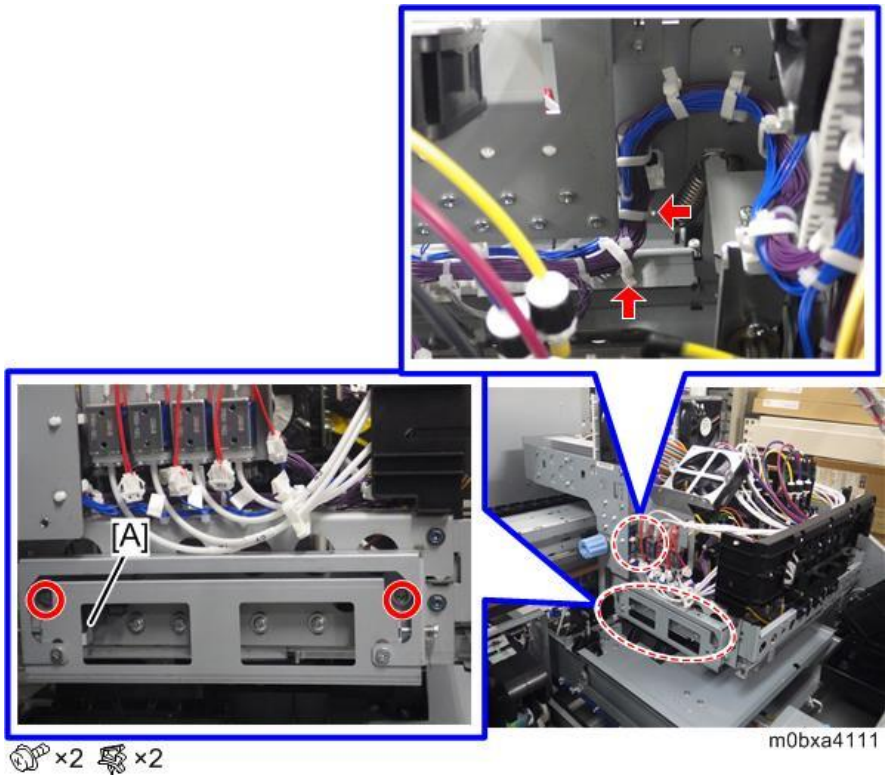
3. Remove the carriage front cover [A].



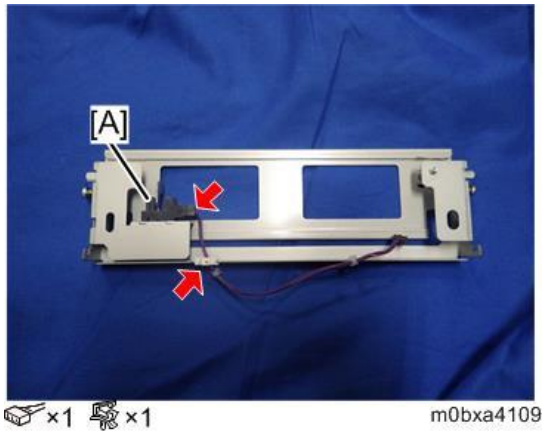
4. Remove the carriage left cover [A].



5. Remove the carriage jam sensor (left) [A] with the feeler.



6. Remove the carriage jam sensor (left) [A].



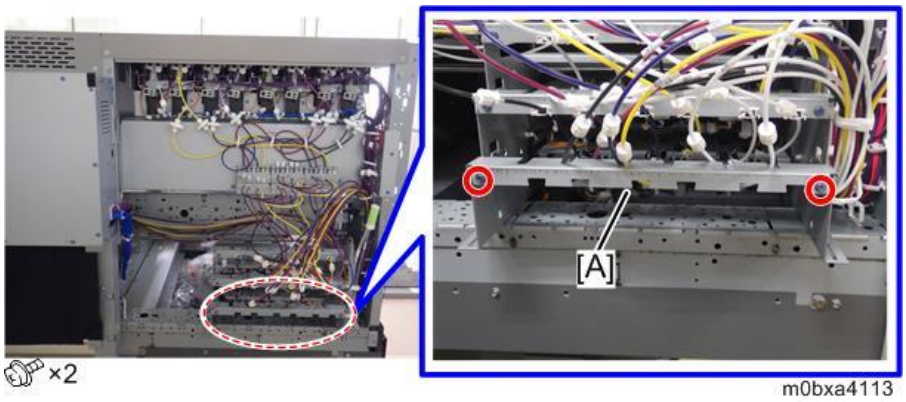
Note

After replacing the sensor, adjust the gap between the jam detection feeler and the platen by the extent of 1.8±0.2 mm (approx. 0.071 ± 0.008 inch). (Jam Detection Feeler Height Adjustment)

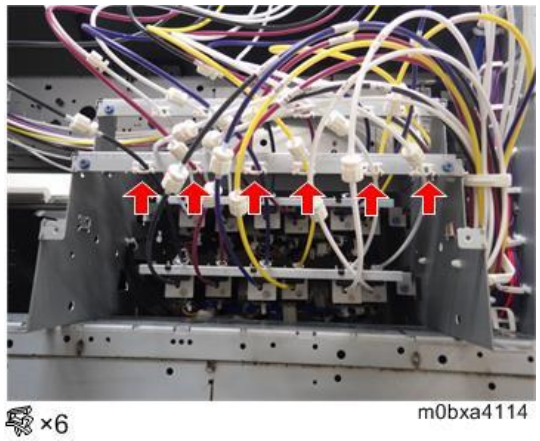
Ink Supply Unit

Supply Unit Pump

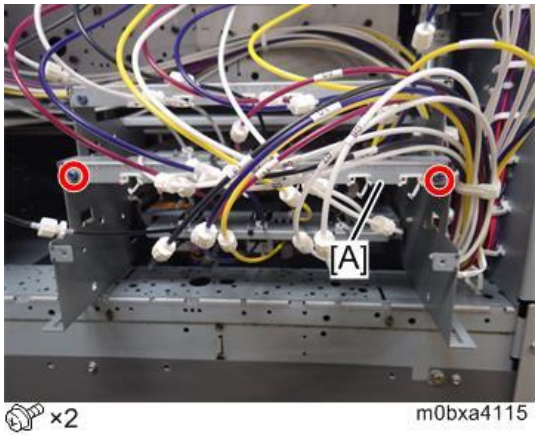
1. Remove the rear left cover. (Removing the Rear Left Cover)
2. Remove the lower bracket [A].



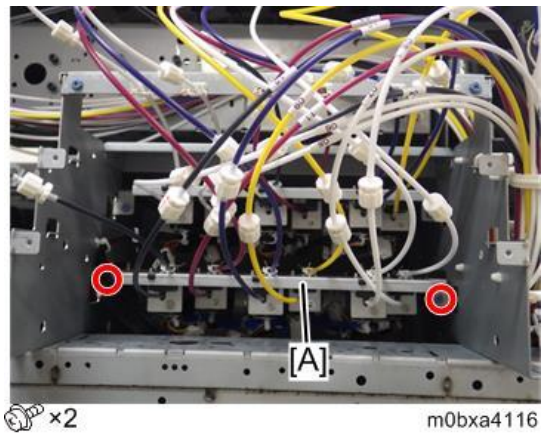
3. Open the clamps to release the harness attached to the middle stage.



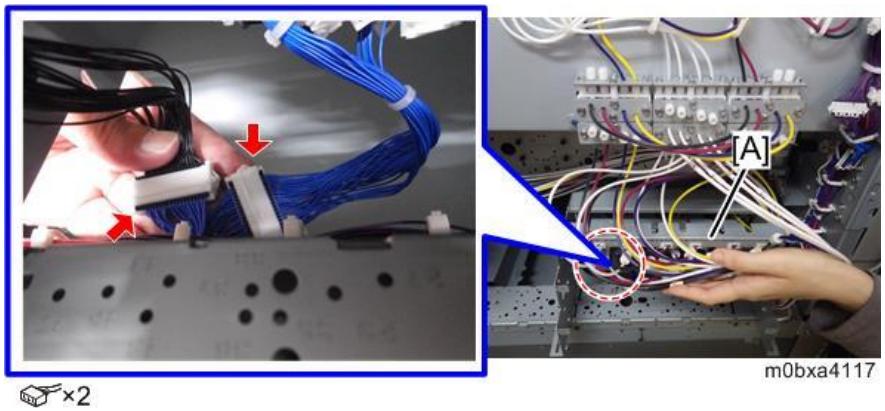
4. Remove the bracket [A] attached to the middle stage.



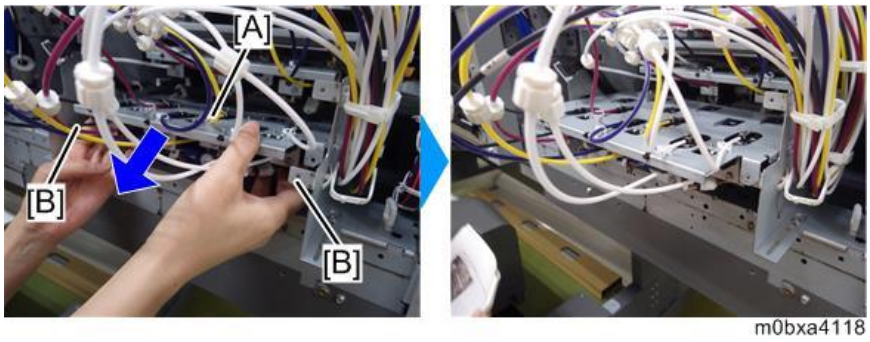
5. Remove the fixing screws from the base [A].



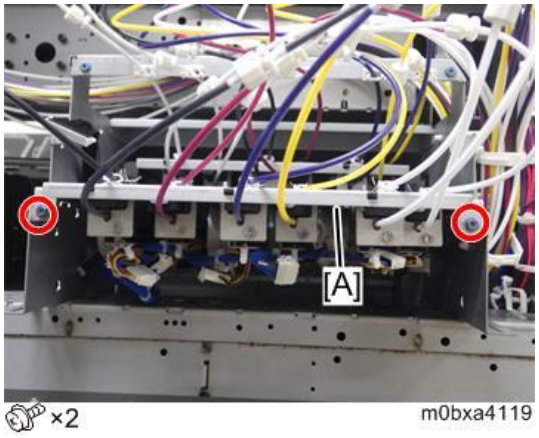
6. Pull out the base [A], and then disconnect the connectors.



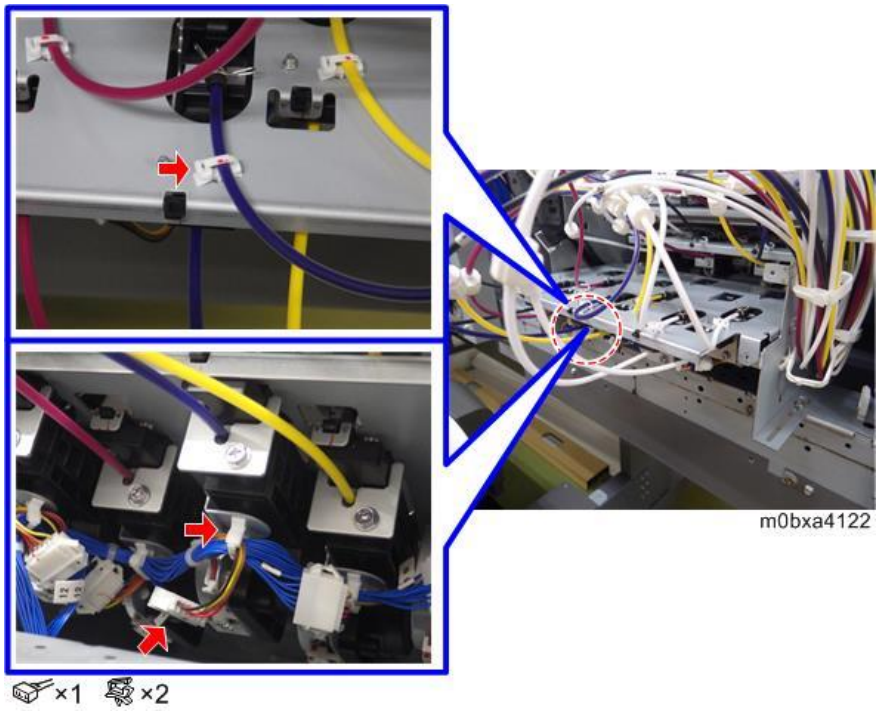
7. Lay the base [A] on the both side boards [B].



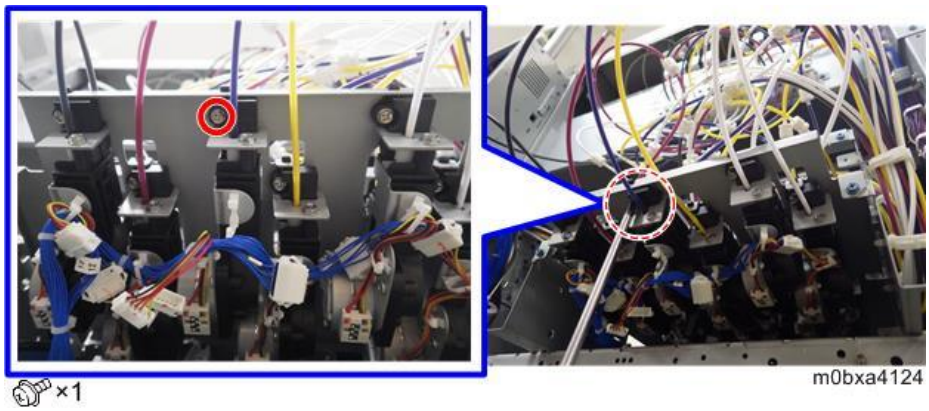
8. Hold the base [A] temporarily in the space.



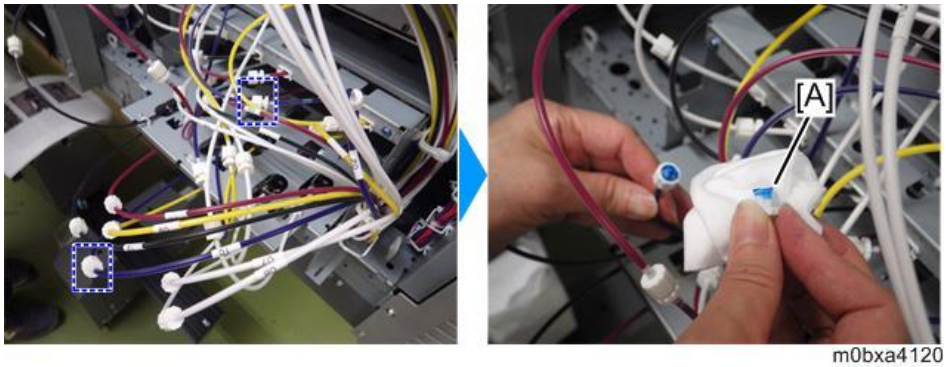
9. Remove the connector and the clamps of the supply unit pump that need to be replaced.



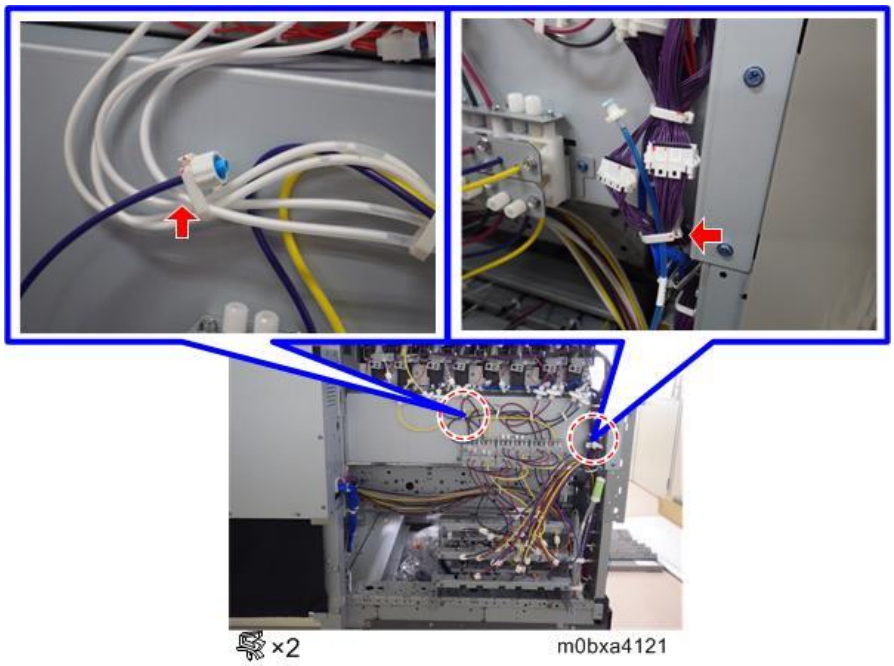
10. Remove the fixing screws of the supply unit pump that need to be replaced from underside.



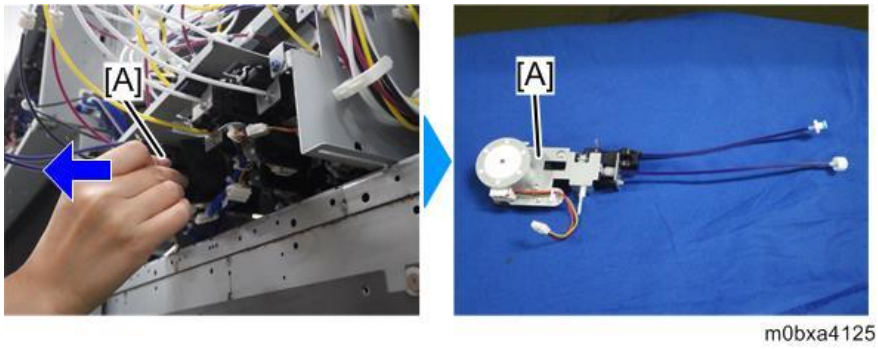
11. Disconnect the assembling section [A] of the ink tube of the supply unit pump that need to be replaced.



12. Fix the ink tubes with the clamps with their ink tube ports turning upward.



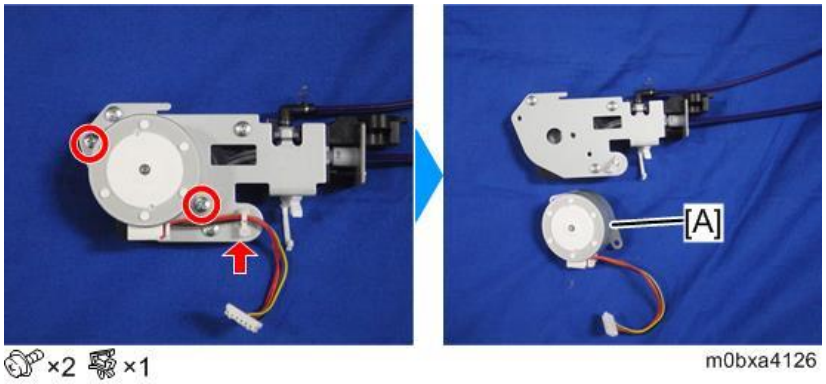
13. Pull out the supply unit pump [A].



Supply Motor

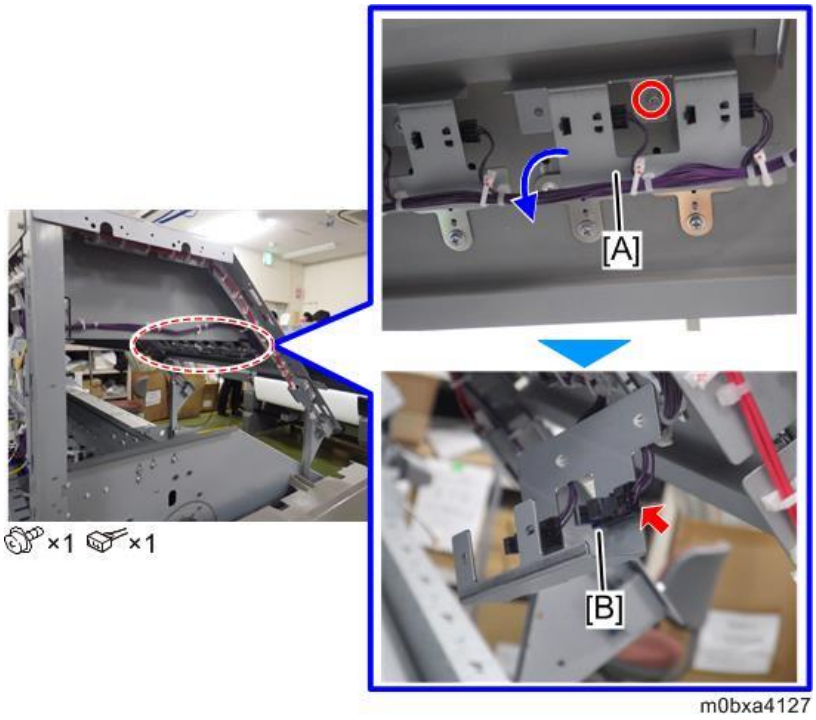
1. Remove the supply unit pump. (Supply Unit Pump)

2. Remove the supply motor [A].



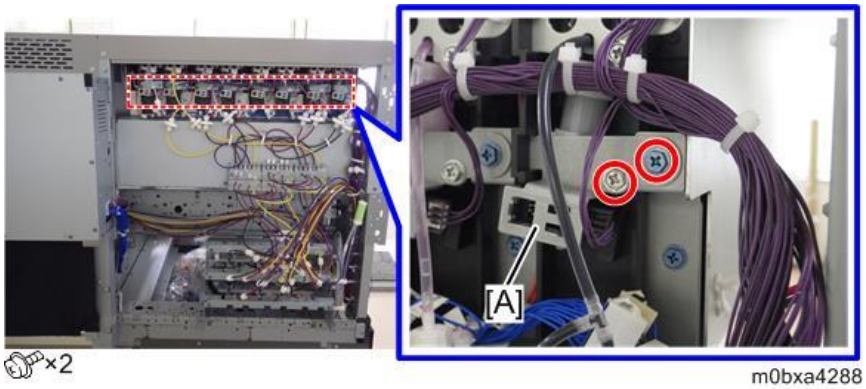
Ink Cartridge Lock 1-8

1. Remove the left side upper cover. (Removing the Left Side Upper Cover)
2. Remove the bracket [A], and then remove the ink cartridge lock [B].

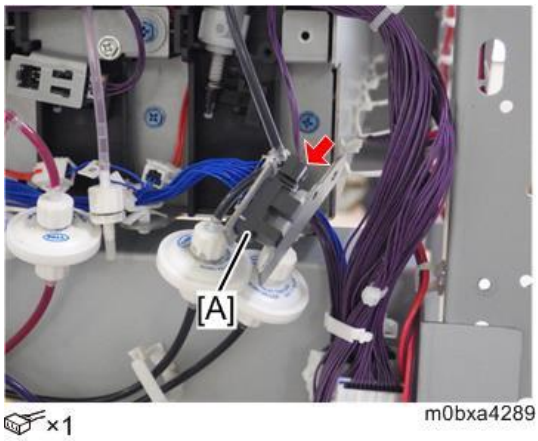


Ink End Sensor 1-8

1. Remove the rear left cover. (Removing the Rear Left Cover)
2. Remove the ink end sensor [A] with the bracket.



3. Remove the ink end sensor [A].



Ink Supply Solenoid 1-8

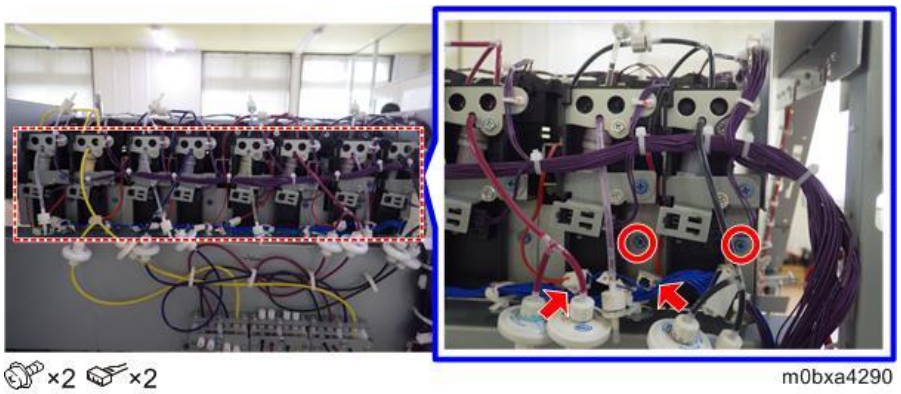
1. Remove the left front cover. (Removing the Left Front Cover)

2. Remove the left side upper cover. (Removing the Left Side Upper Cover)

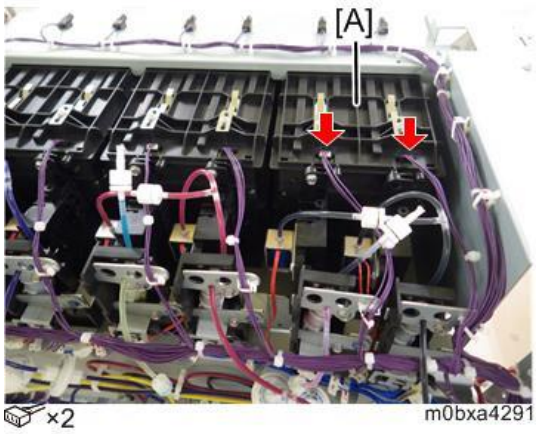
3. Remove the rear left cover. (Removing the Rear Left Cover)

4. Remove the left upper cover. (Changing the Joints of Branch Section and Connecting Circulation Tubes)

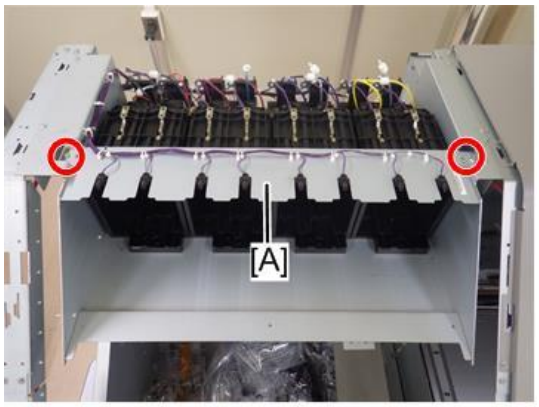
5. Remove the screws and disconnect the connectors from rear side.



6. Disconnect the connectors of the holder [A].

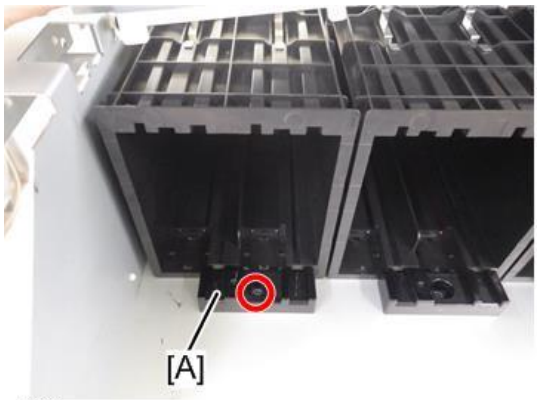


7. Remove the bracket [A].



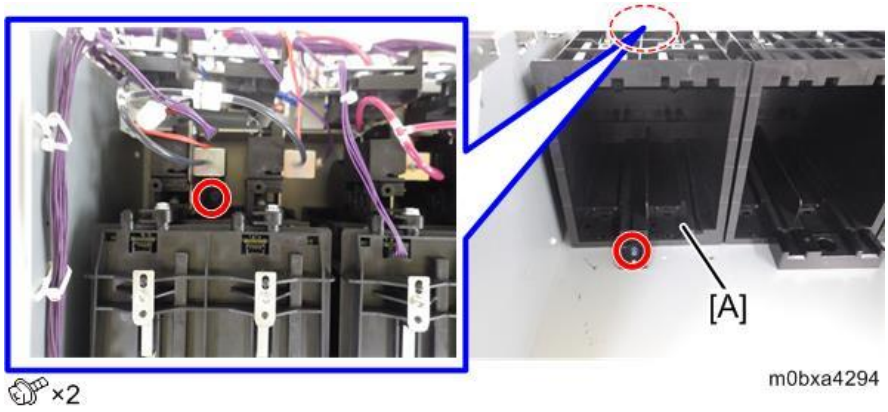
m0bxa4292

8. Remove the stopper [A].



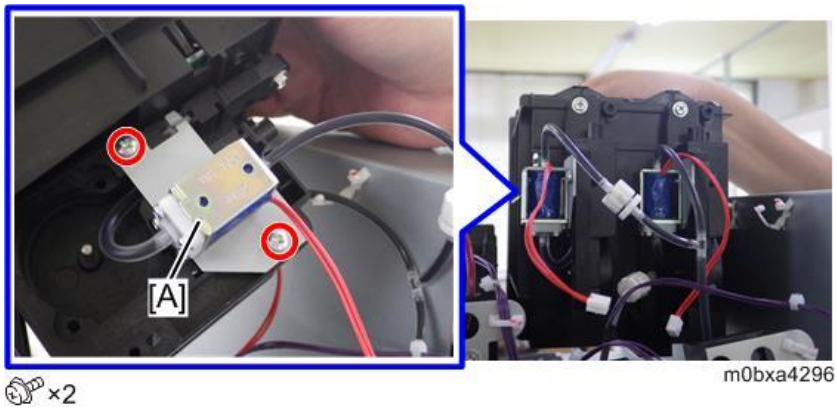
×1 m0bxa4293

9. Remove the holder [A].



×2 m0bxa4294

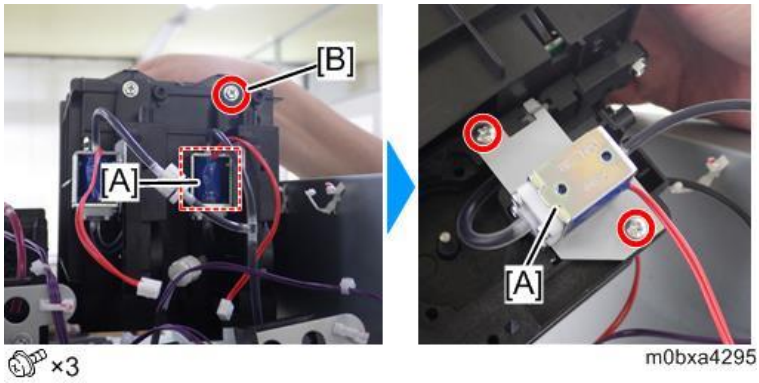
10. Remove the ink supply solenoid [A].



×2

Note

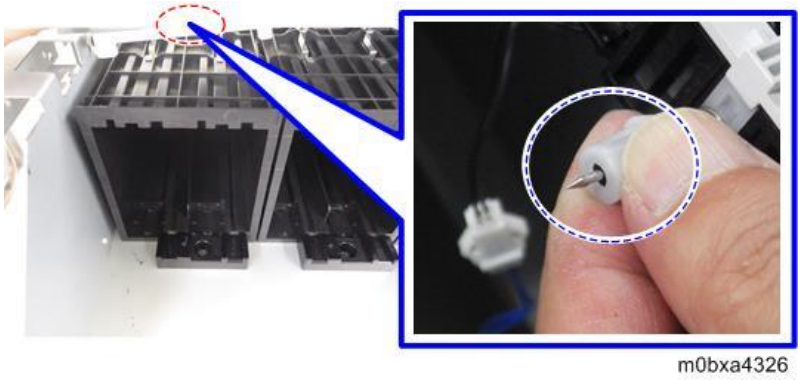
When removing the ink supply solenoid attached to the position [A], remove the screw [B], and then remove the ink supply solenoid [A].



×3

Note

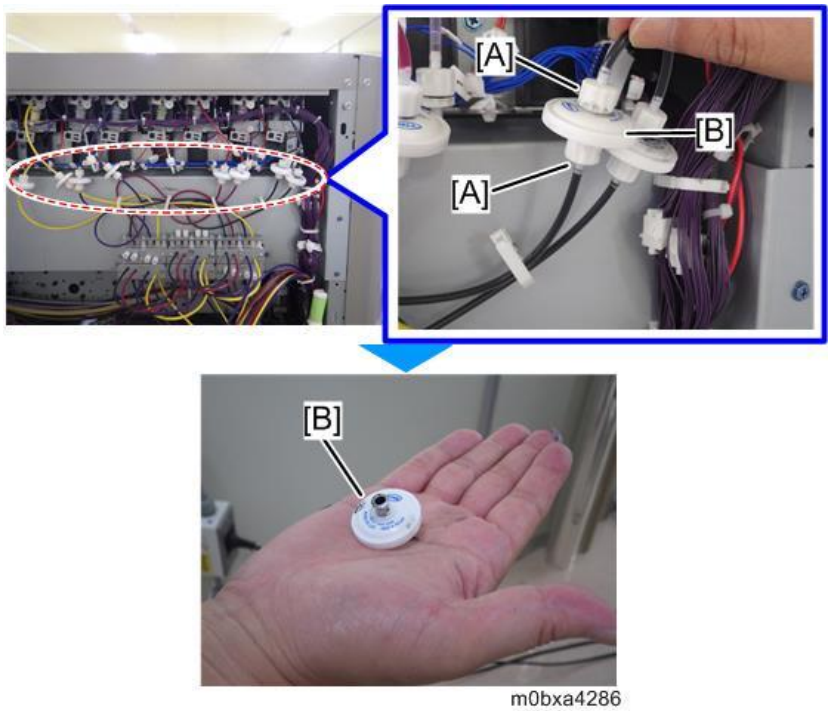
When attaching the holder, insert the wire into the hole of the cap, and then make sure to set the ink cartridge properly.



Filter

1. Remove the rear left cover. (Removing the Rear Left Cover)

2. Remove the cap [A], and then remove the filter [B].



m0bxa4286

3. Attach the filter with the printed side of the filter facing upwards.



m0bxa4287

Procedure of Color Change

Full Auto Cleaning at Changing Color

What You Need

Parts	Q'ty	Note
Displacement liquid cartridge	8	
Ink replacement jigs	8	
Tubes	4	Only used in case of 4C+W -> 4C
Sealing materials for channel	4	Only used in case of 4C -> 4C+W

Cleaning When Changing the Color

The Flow of Full Auto Cleaning

No.	
1	Set 4C cartridges, a flushing cartridge, a cleaning cartridge, and then turn the power on.
2	Empty the waste ink bottle.
3	Set the waste ink count to 0. (SP7-962-012)
4	Press full auto cleaning. (SP2-100-003) To execute the SP, select "7" for all heads.
5	Remove the cartridge.
6	Set the jig used for discharging liquid, set the cartridge again, and then close the cartridge lock.
7	Discharge the filling liquid. (SP2-012-002) To execute the SP, select "7" for all heads.
8	Remove the jig used for discharging liquid.
9	Set the displacement liquid cartridge, and then close the cartridge lock.
10	Fill the liquid. (SP2-012-003) To execute the SP, select "7" for all heads.
11	Remove the cartridge.
12	Set the jig used for discharging liquid, set the cartridge again, and then close the cartridge lock.
13	Discharge liquid again. (SP2-012-002) To execute the SP, select "7" for all heads.
14	Remove the jig used for discharging liquid.
15	Set the displacement liquid cartridge, and then close the cartridge lock.
16	Fill the liquid again. (SP2-012-003) To execute the SP, select "7" for all heads.
17	Rewrite the air purge flag. (SP2-012-004) To execute the SP, select "7" for all heads.
18	Open the front cover, open the air purge port of H1, set the tray, and then close the front cover.
19	Perform air purge for H1. (SP2-012-005) To execute the SP, select "1" for head 1.
20	Open the front cover, close the air purge port of H1, remove the tray, and then close the front cover.
21	Perform head cleaning for H1. (SP2-010-001) To execute the SP, select "1" for head 1.
22	Open the front cover, open the air purge port of H2, set the tray, and then close the front cover.
23	Perform air purge for H2. (SP2-012-005) To execute the SP, select "2" for head 2.
24	Open the front cover, close the air purge port of H2, remove the tray, and then close the front cover.

No.	
25	Perform head cleaning for H2. (SP2-010-001) To execute the SP, select "2" for head 2.
26	Open the front cover, open the air purge port of H3, set the tray, and then close the front cover.
27	Perform air purge for H3. (SP2-012-005) To execute the SP, select "4" for head 3.
28	Open the front cover, close the air purge port of H3, remove the tray, and then close the front cover.
29	Perform head cleaning for H3. (SP2-010-001) To execute the SP, select "4" for head 3.

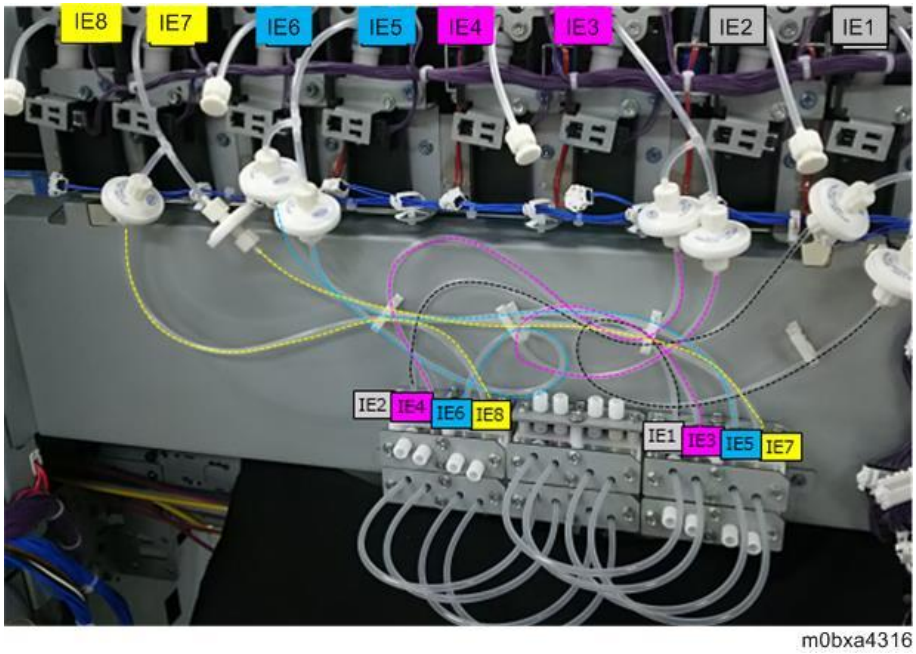
Note

When you cannot perform this procedure normally, refer to "Troubleshooting Information When Performing Initial Filling and Full Auto Cleaning".

Tubes Connection Procedure for the 4C Model

The procedures for changing the ink combination from 4C+W model to 4C model are as follows:

4C Model



IE: Ink End Detection

Note

When installing, make sure to insert tubes and stoppers correctly.

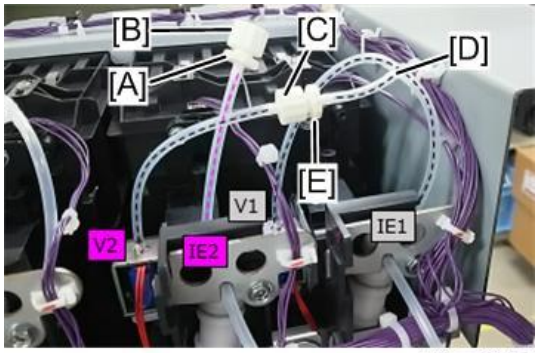
When routing tubes, be careful not to bend the tubes or make scratches on the tubes.

1. Remove the rear left cover. (Removing the Rear Left Cover)
2. Remove the left upper cover [A]. (Changing the Joints of Branch Section and Connecting Circulation Tubes)

3. Attach the sealing materials (MTLLP-2) [B] to the joint [A] of the tube extending from the ink end detection [IE2].

4. Connect the joint [E] branching from the T-shaped joint [D] and the joint [C] of the tube extending from the solenoid valve [V2].

The picture below shows the solenoid valve V1/V2.



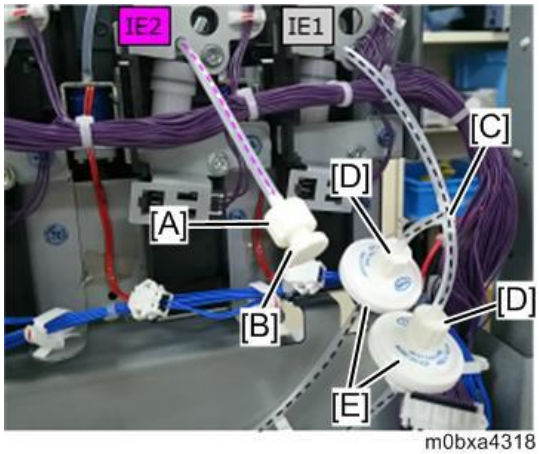
m0bxa4317

Note

Connect tubes of the other solenoid valves (V3/V4, V5/V6, and V7/V8) in the same procedure.

5. Attach the sealing materials (FTLLP-1) [B] to the joint [A] of the tube extending from the ink end detection [IE2].

6. Connect the joint [D] branching from the T-shaped joint [C] and the joint of the filter upper side [E].



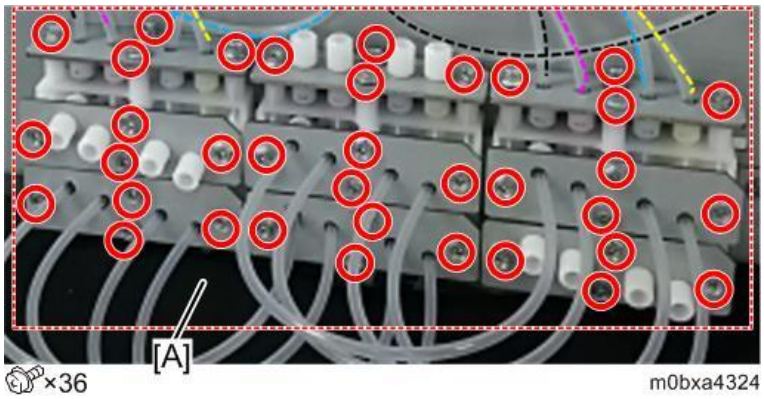
m0bxa4318

Note

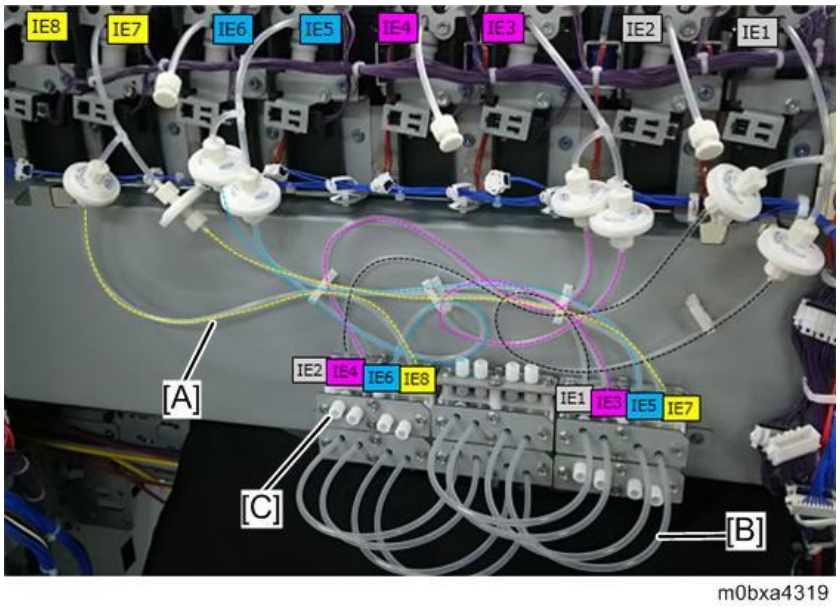
Connect tubes of the other ink end detections (IE3/IE4, IE5/IE6, and IE7/IE8) in the same procedure.

7. Loosen all the screws retaining the joint branch unit [A] by rotating about from one to one and half

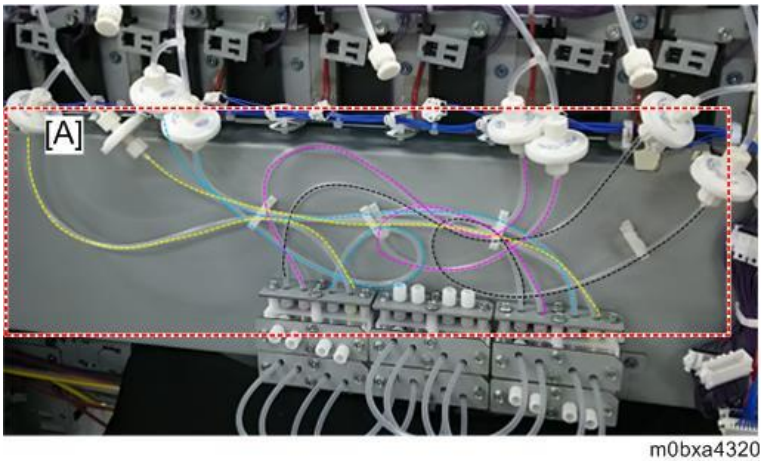
times with a driver.



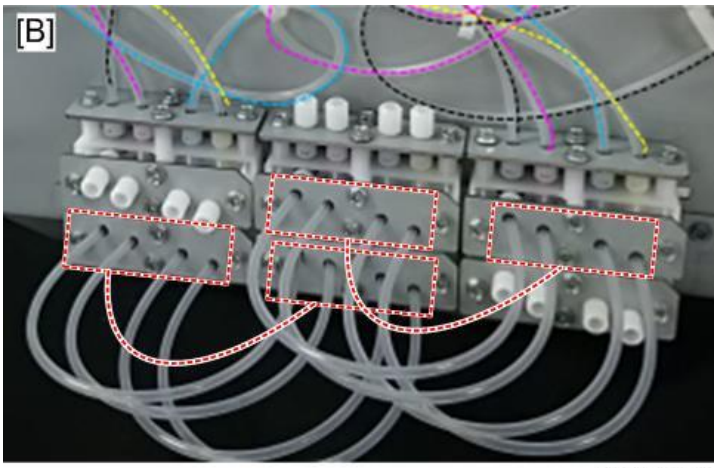
8. Connect the eight tubes for solenoid valve [A], the eight tubes for joint section [B], and the 12 stoppers for joint section [C] as shown below.



- The eight tubes for solenoid valve [A]

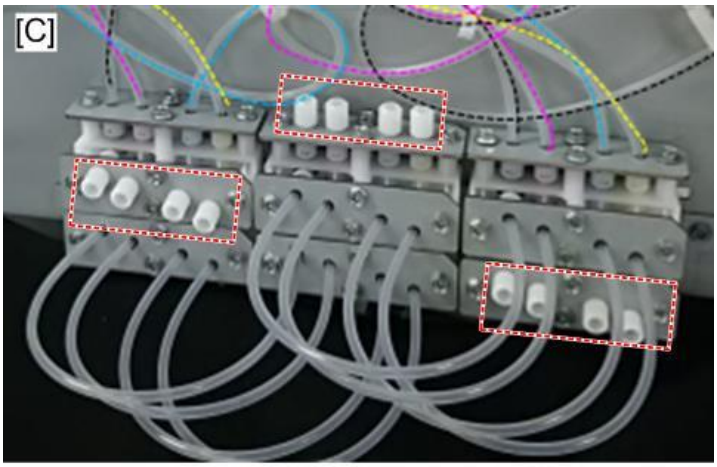


- The eight tubes for joint section [B]



m0bxa4321

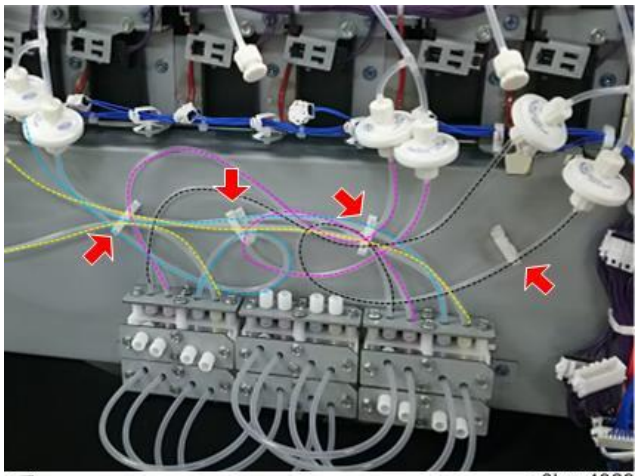
- The 12 stoppers for joint section [C]



m0bxa4322

9. Tighten all the loosen screws in step 7.

10. Fix the tubes.



×4 m0bxa4323

Note

Be careful not to bend the tubes.

11. Attach the left upper cover.

12. Attach the rear left cover.

Maintenance Unit

Nozzle Cleaning Cartridge Driving Unit

Important

Do not loosen the screws coated by a locking agent.

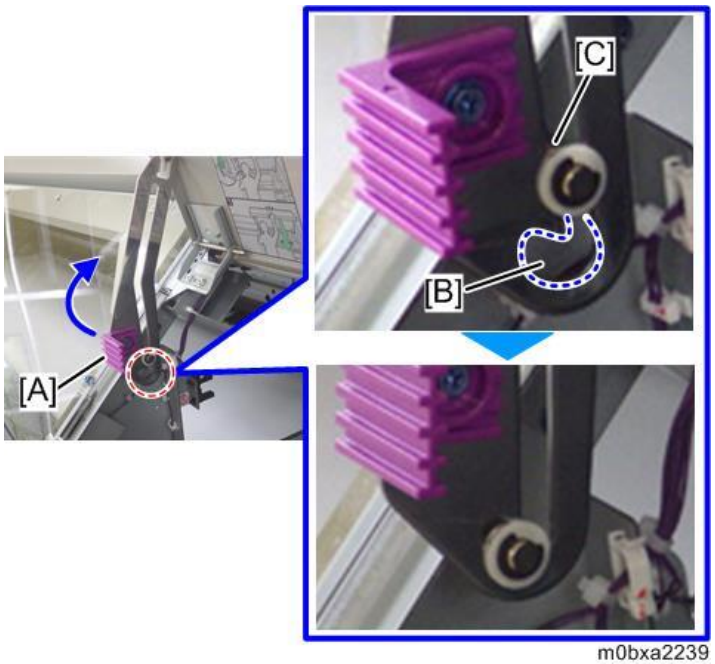
1. Remove the rear right cover (Removing the Rear Right Cover)
2. Open the right front cover [A].



m0bxa2048

Note

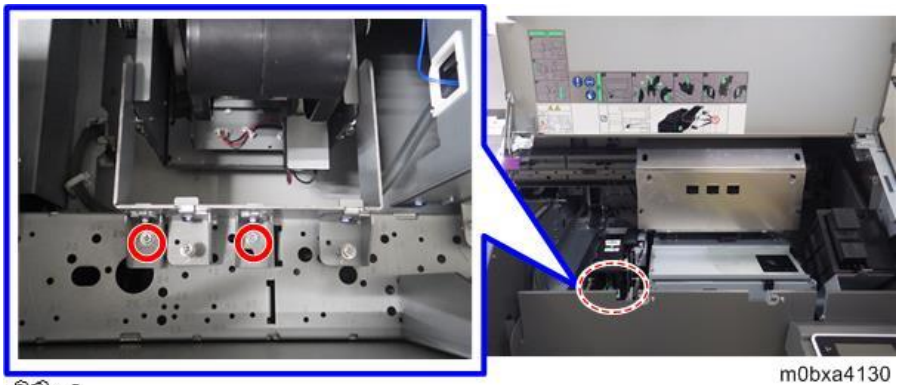
Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



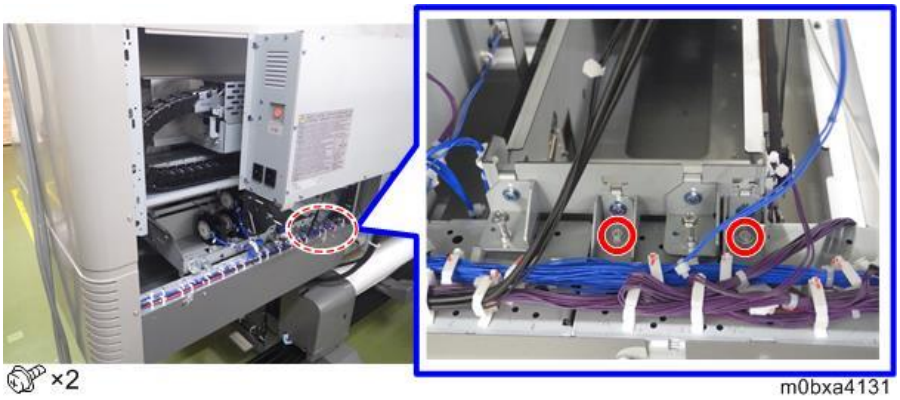
m0bxa2239

3. Remove the nozzle cleaning cartridge.
4. Remove the fixing screws from the front side of the base of the nozzle cleaning cartridge driving

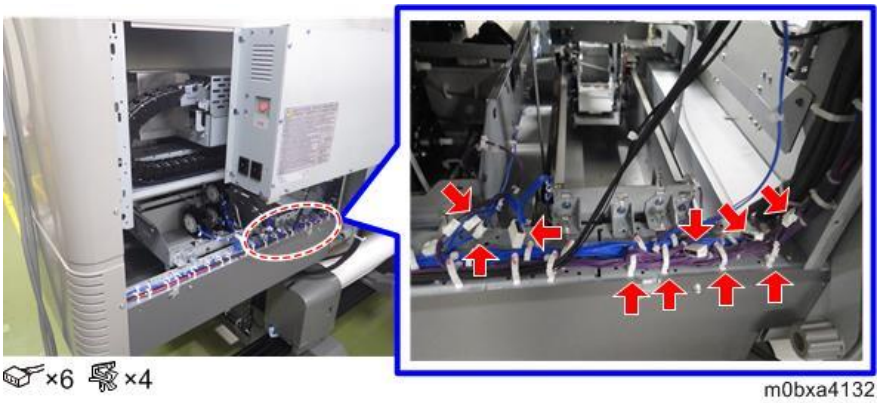
unit.



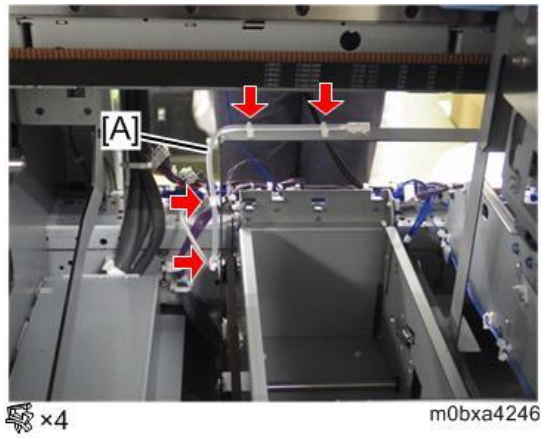
5. Remove the fixing screws from the rear side of the base of the nozzle cleaning cartridge driving unit.



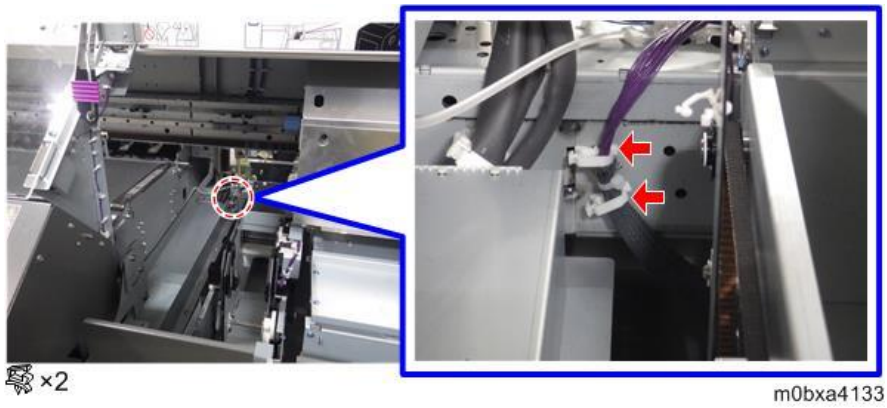
6. Disconnect the connecters connected to the nozzle cleaning cartridge driving unit, and then release the clamps.



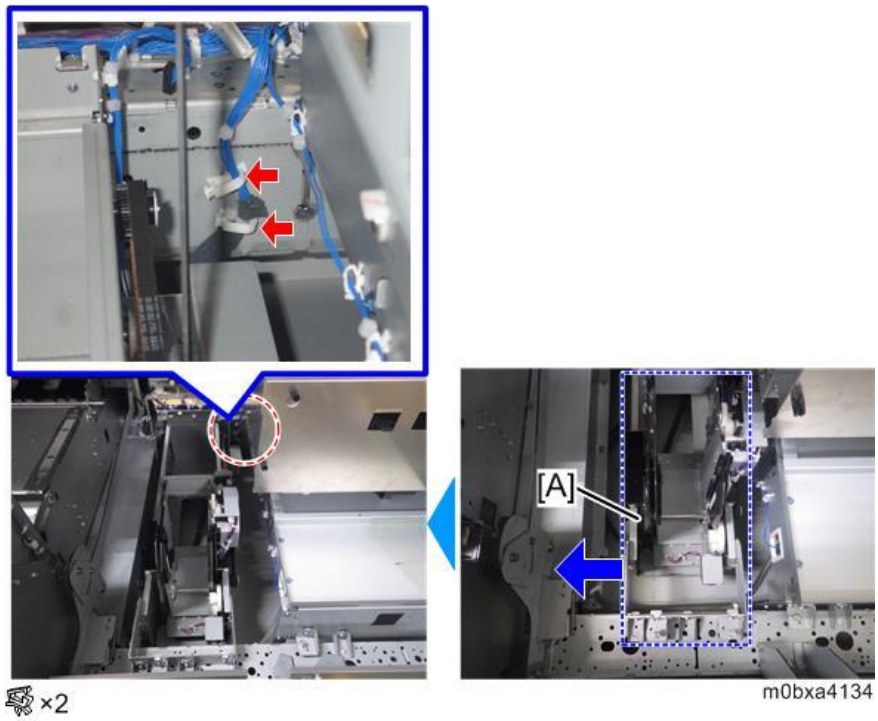
7. Remove the tube [A] for cleaning liquid.



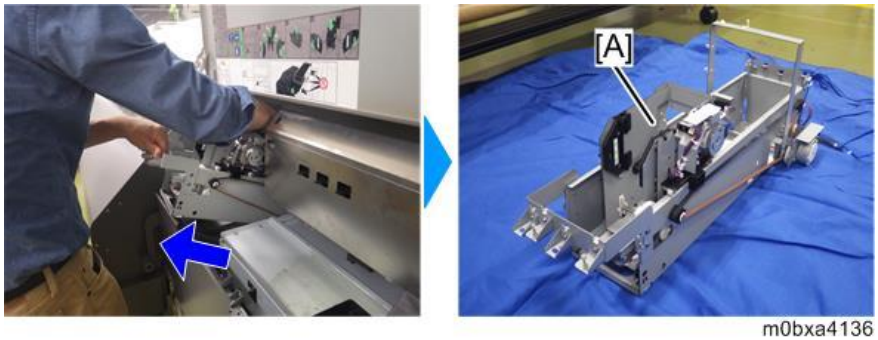
8. Release the clamps of the front side.



9. Move the nozzle cleaning cartridge driving unit [A] to the left side by holding the base, and then release the clamps.



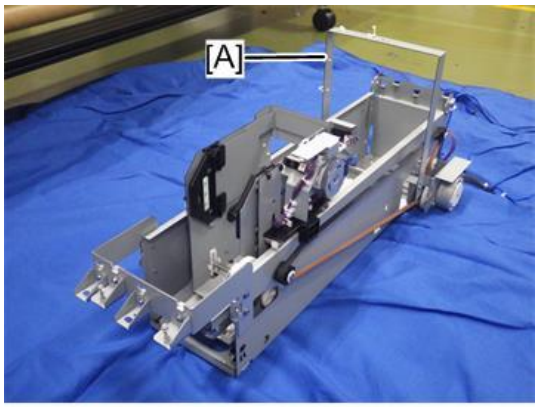
10. Remove the nozzle cleaning cartridge driving unit [A] with the base.



m0bxa4136

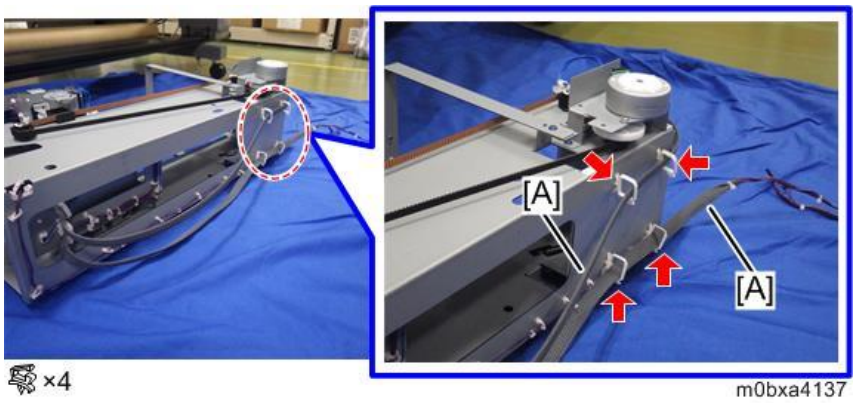
Note

When removing the nozzle cleaning cartridge driving unit [A] with the base, do not hold the cleaning liquid stand [A]. Otherwise the stand may be deformed.



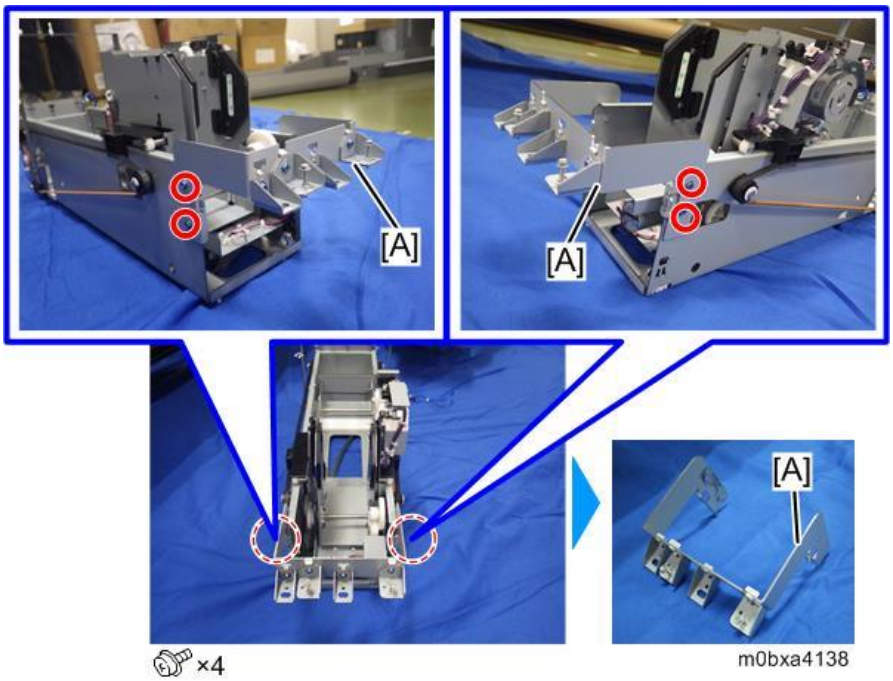
m0bxa4332

11. Remove the harness [A].

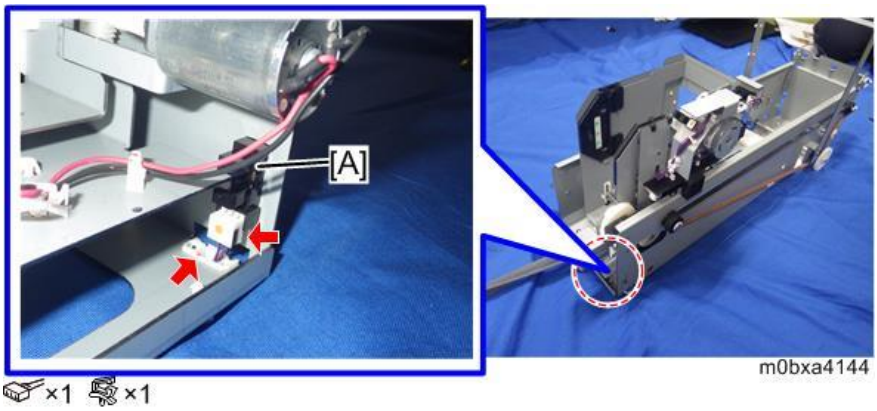


m0bxa4137

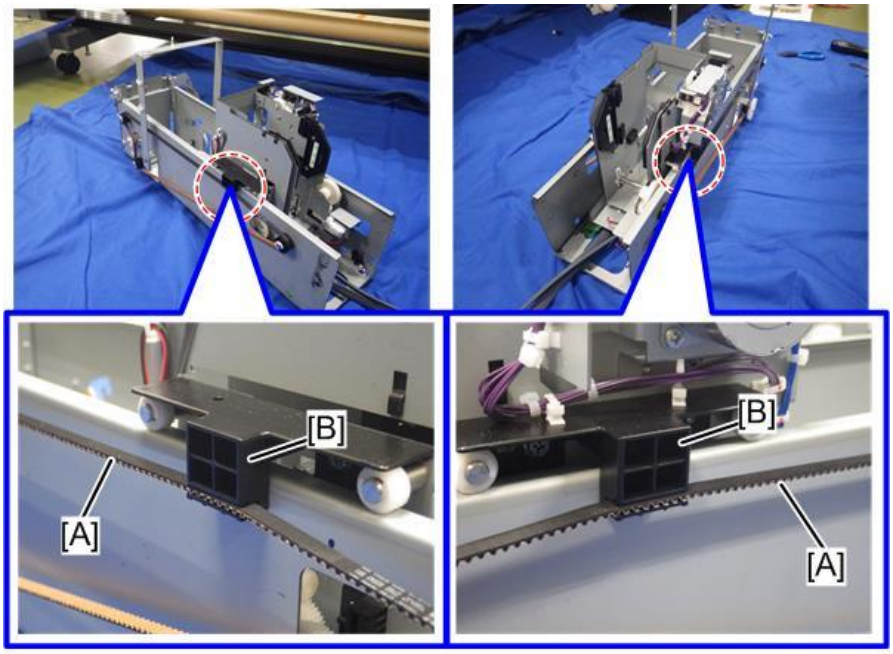
12. Remove the front part [A] of the stay.



13. Remove the web front/rear HP sensor [A].

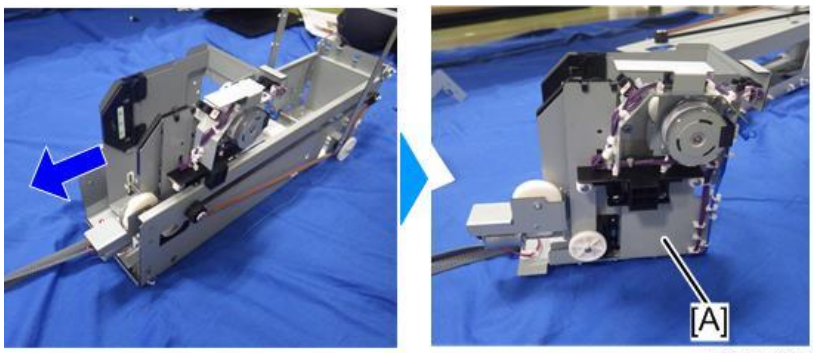


14. Remove the timing belts [A] from the sliders [B].



m0bxa4139

15. Remove the nozzle cleaning cartridge driving unit [A].

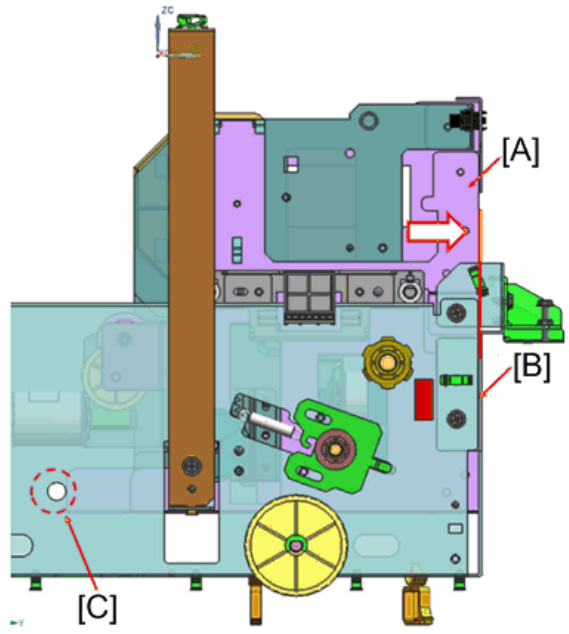


m0bxa4140

Attaching the Timing Belt

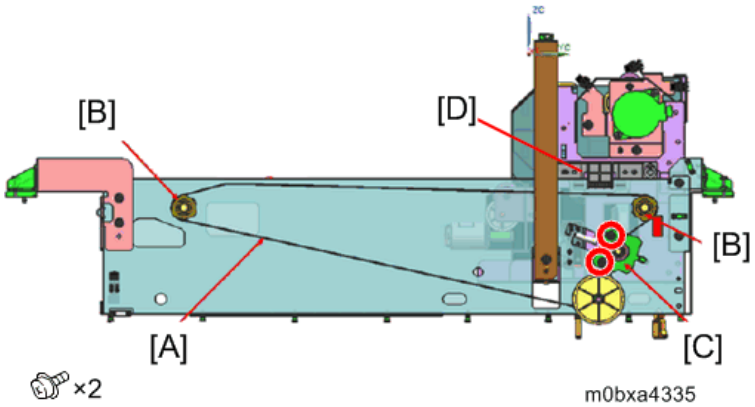
1. Push the web slide section [A] against the end [B] of the right side of the base, insert the Φ8 shaft

into the hole [C].



m0bxa4334

2. Hook the timing belt [A] onto the two pulleys [B] and the tensioner [C]. Insert the timing belt into the section [D] of the slider, and then fix it with screws.

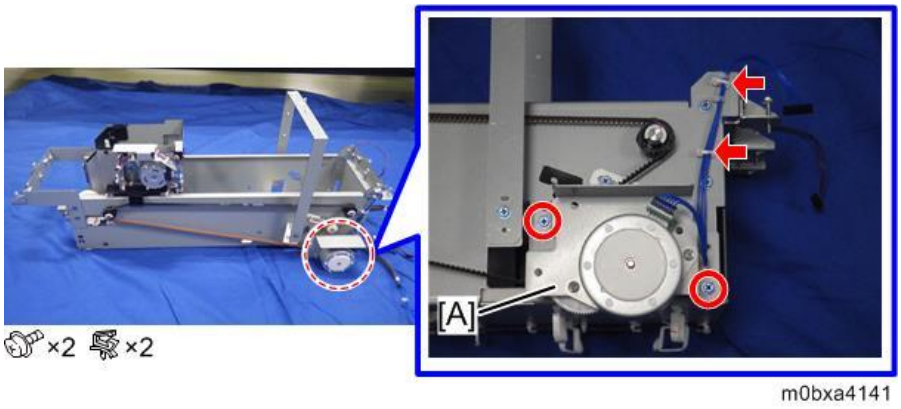


m0bxa4335

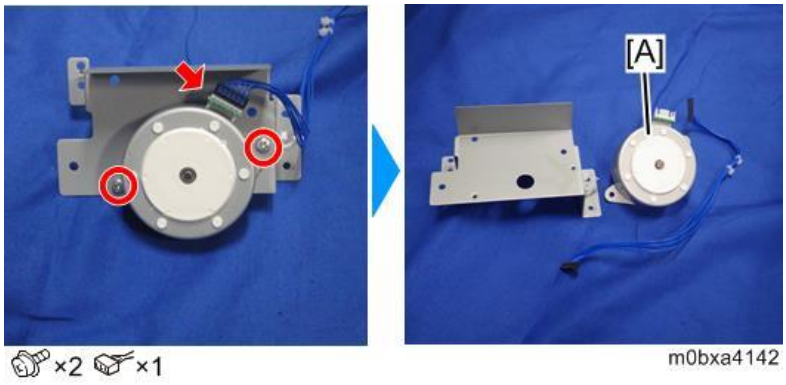
Maintenance Unit Web Shift Motor

1. Remove the nozzle cleaning cartridge driving unit by holding the base. (Nozzle Cleaning Cartridge Driving Unit)

2. Remove the maintenance unit web shift motor [A] with the bracket.

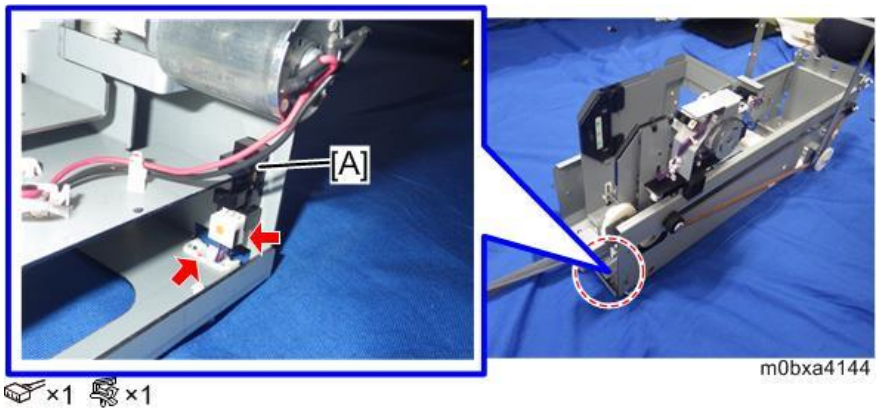


3. Remove the maintenance unit web shift motor [A].



Web Front/Rear HP Sensor

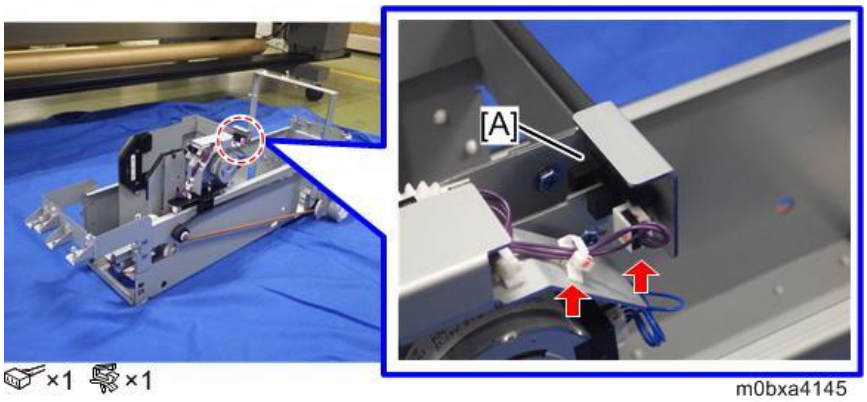
1. Remove the nozzle cleaning cartridge driving unit with the base. (Nozzle Cleaning Cartridge Driving Unit)
2. Remove the web front/rear HP sensor [A].



Web Up/Down HP Sensor

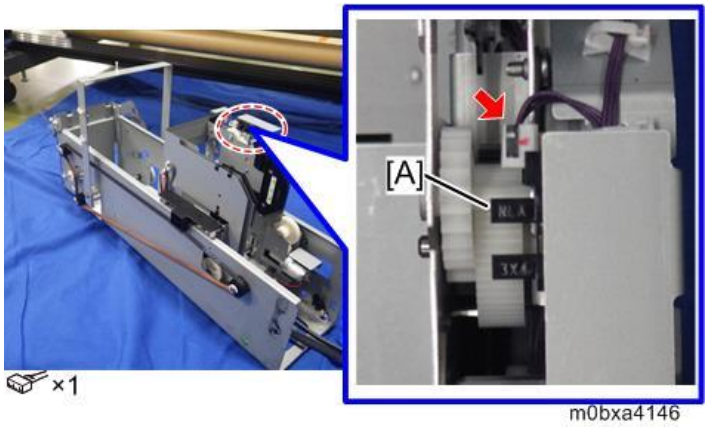
1. Remove the nozzle cleaning cartridge driving unit with the base. (Nozzle Cleaning Cartridge Driving Unit)

2. Remove the web up/down HP sensor [A].



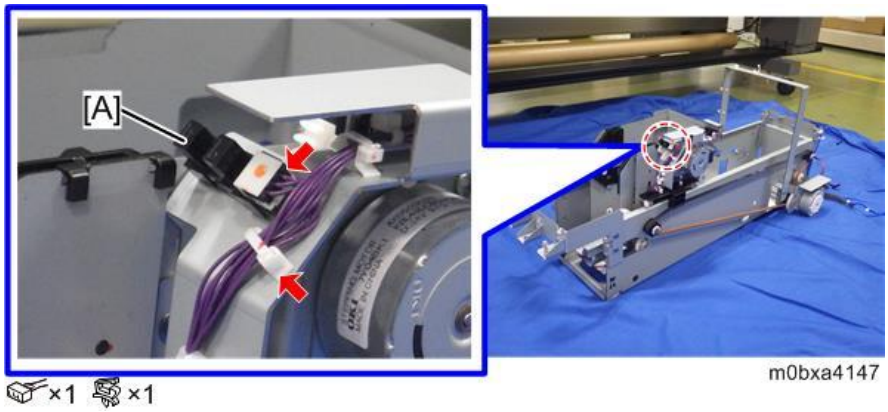
Blade Wiper HP Sensor

1. Remove the nozzle cleaning cartridge driving unit with the base. (Nozzle Cleaning Cartridge Driving Unit)
2. Remove the blade wiper HP sensor [A].



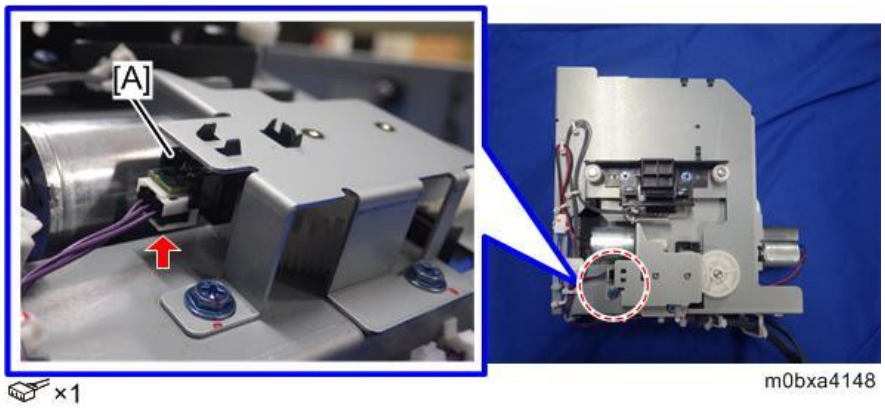
Maintenance Unit Web Encoder Sensor

1. Remove the nozzle cleaning cartridge driving unit with the base. (Nozzle Cleaning Cartridge Driving Unit)
2. Remove the maintenance unit web encoder sensor [A].



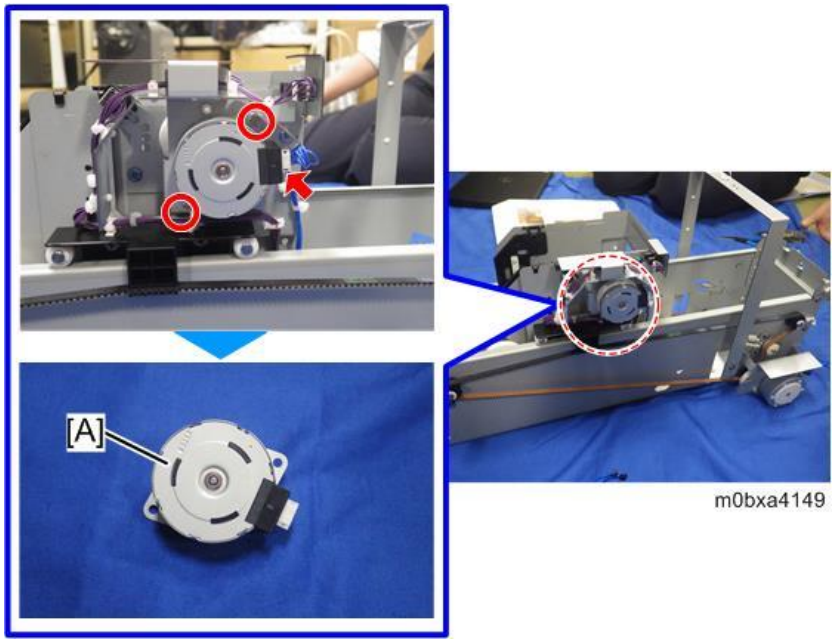
Maintenance Unit Web Adjust Sensor 2

1. Remove the nozzle cleaning cartridge driving unit. (Nozzle Cleaning Cartridge Driving Unit)
2. Remove the maintenance unit web adjust sensor [A].



Maintenance Unit Wiper Motor

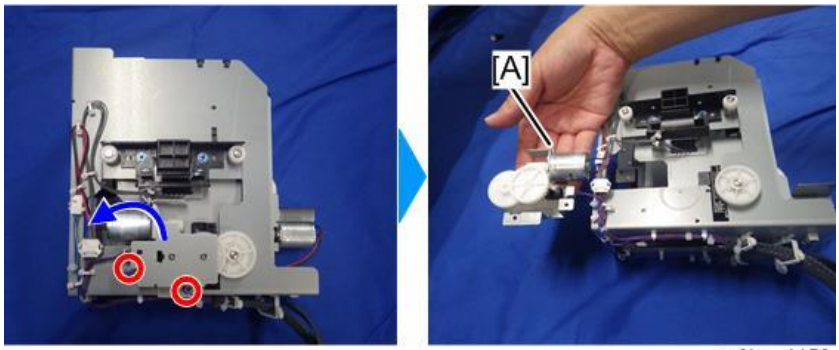
1. Remove the nozzle cleaning cartridge driving unit with the base. (Nozzle Cleaning Cartridge Driving Unit)
2. Remove the maintenance unit wiper motor [A].



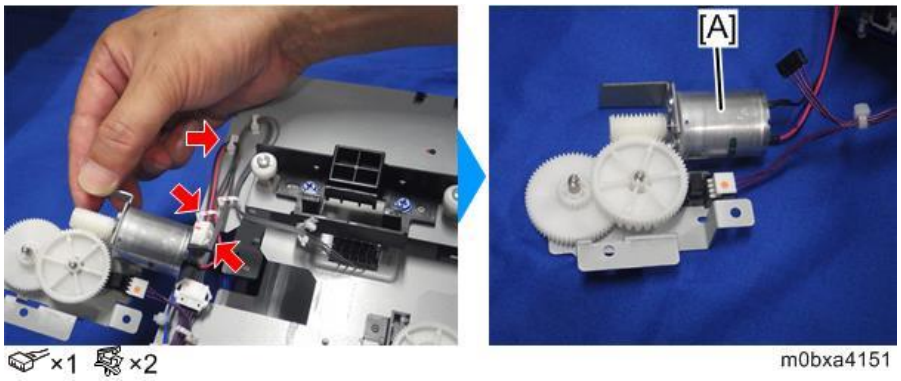
Maintenance Unit Web Adjust Motor

1. Remove the nozzle cleaning cartridge driving unit. (Nozzle Cleaning Cartridge Driving Unit)

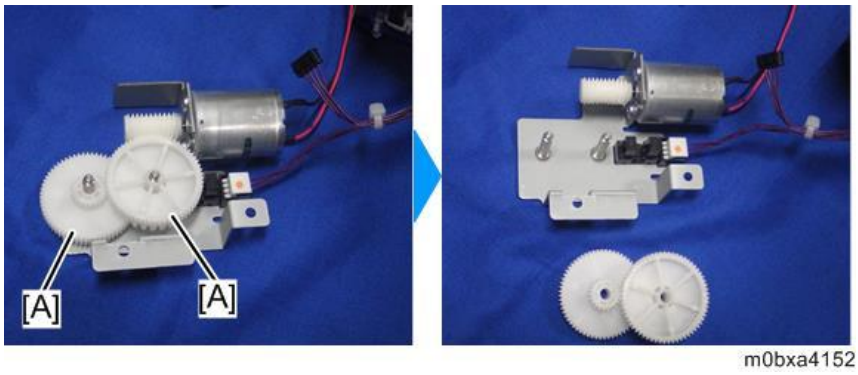
2. Remove the bracket [A].



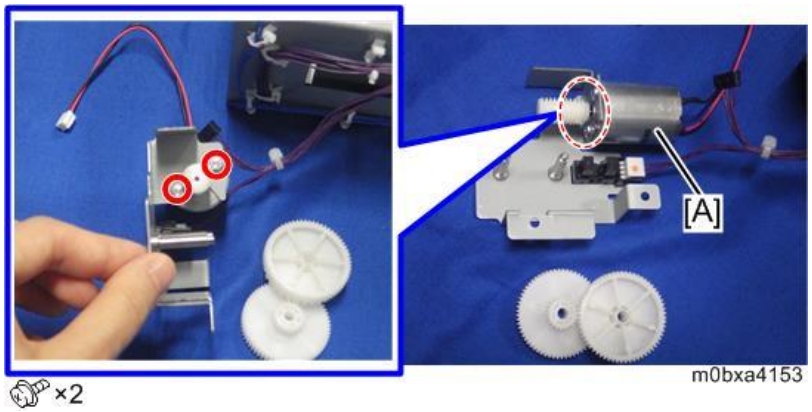
3. Remove the connector and the clamps of the maintenance unit web adjust motor [A].



4. Remove the gears [A].

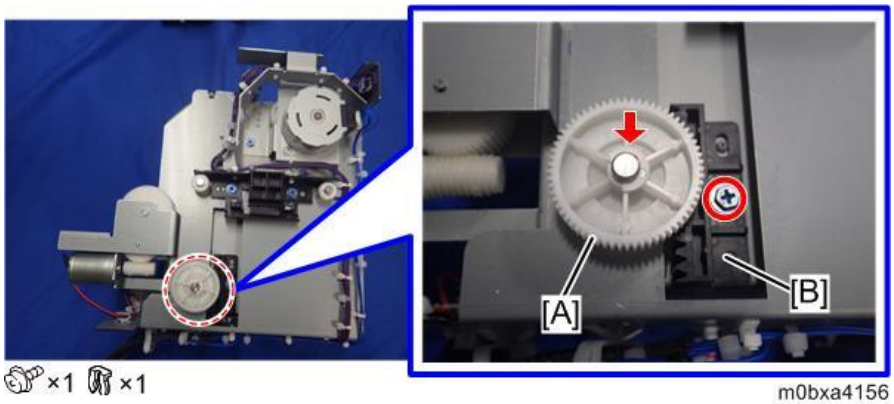


5. Remove the maintenance unit web adjust motor [A].



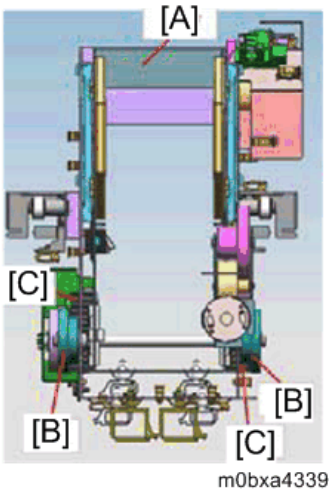
Maintenance Unit Web Supply Motor

1. Remove the nozzle cleaning cartridge driving unit. (Nozzle Cleaning Cartridge Driving Unit)
2. Remove the gear [A] and rack gear [B].

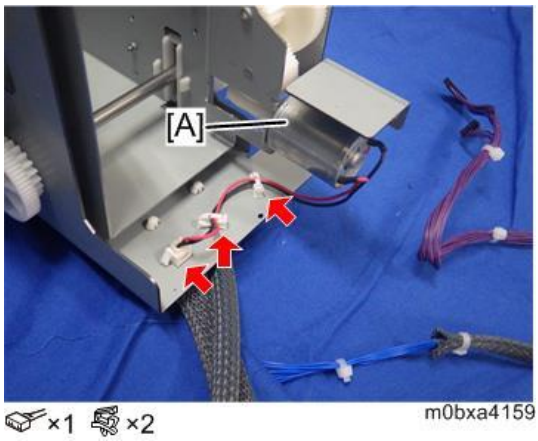


Note

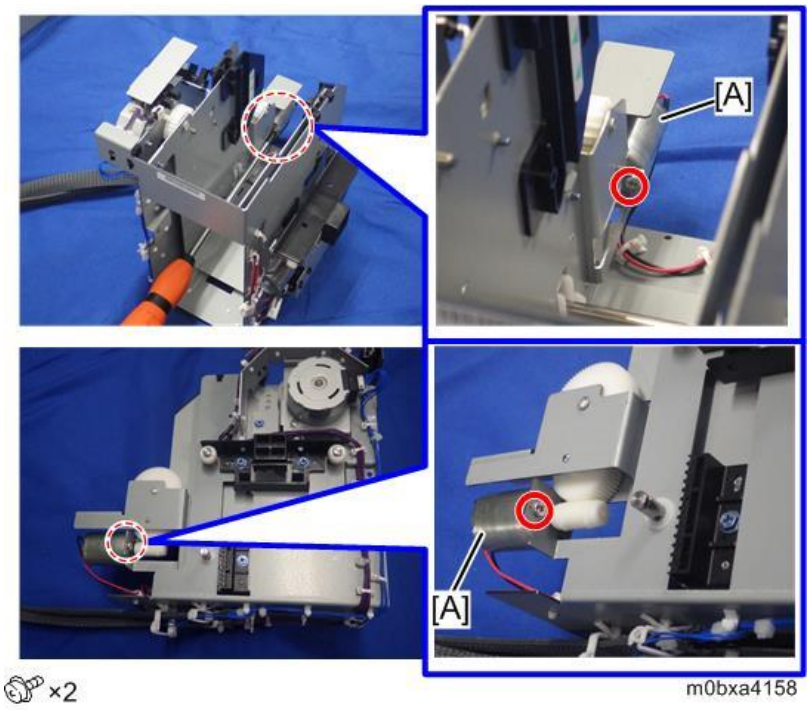
- When attaching the rack gear [C], engage the teeth of the gear [B] with that of the rack gear [C] so that the holder [A] is horizontal.



3. Remove the connector and the clamps of the maintenance unit web supply motor [A].



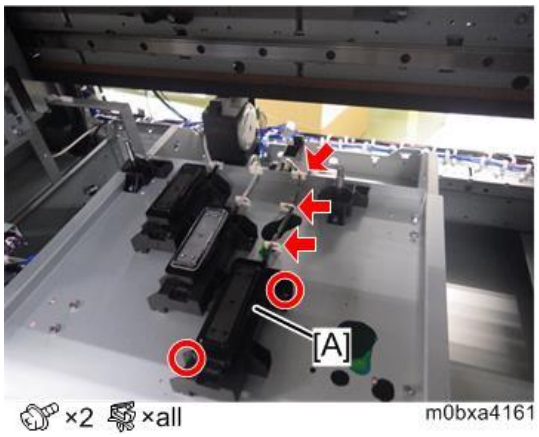
4. Remove the maintenance unit web supply motor [A].



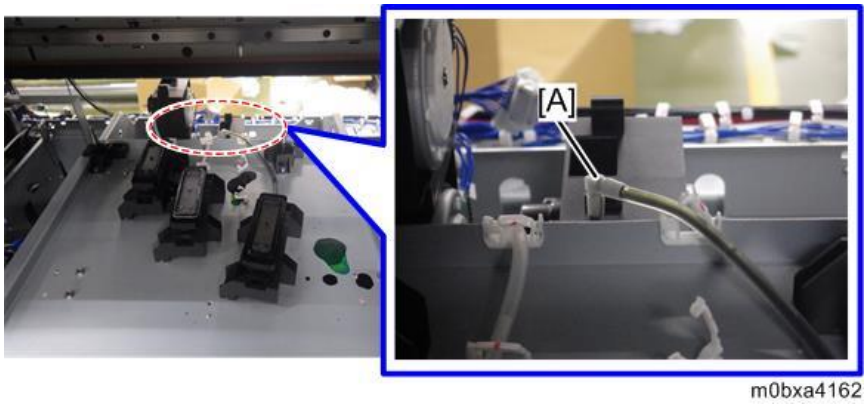
CAP

1. Move away the carriage unit. (Moving Away the Carriage Unit)

2. Remove the cap [A].

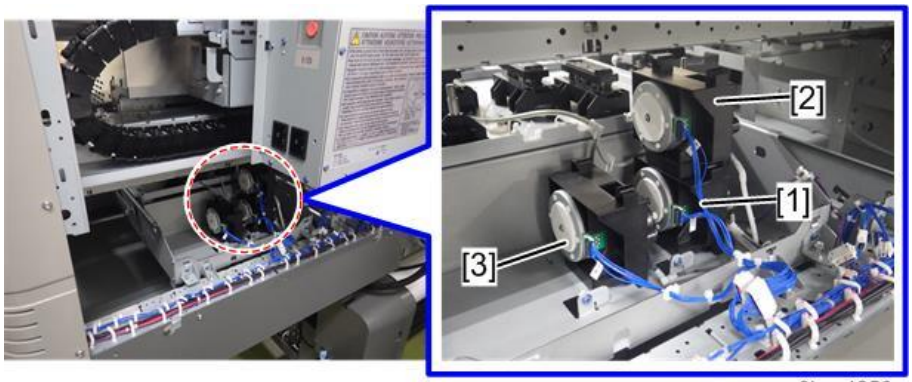


3. Disconnect the joint [A] of the tube connected to the maintenance unit ink collection motor.



Maintenance Unit Ink Collection Pump Unit/Maintenance Unit Ink Collection Motor 1-3

Maintenance Unit Ink Collection Motor 1-3 Layout



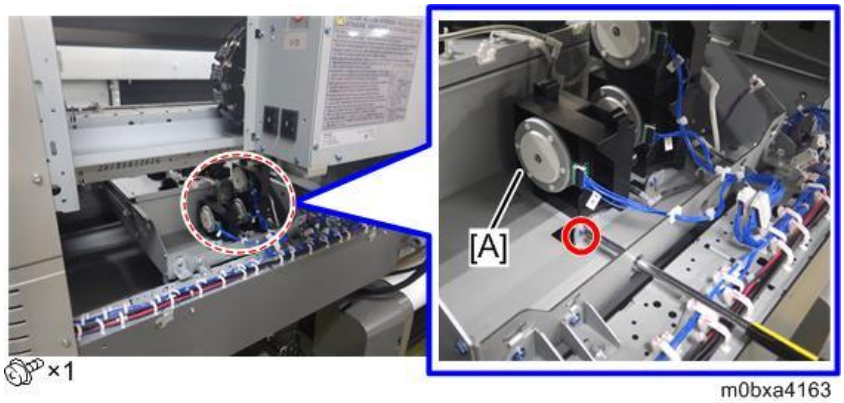
m0bxa4256

[1]: Maintenance unit ink collection motor 1

[2]: Maintenance unit ink collection motor 2

[3]: Maintenance unit ink collection motor 3

1. Remove the rear right cover. (Removing the Rear Right Cover)
2. Remove the maintenance unit ink collection pump unit [A].



m0bxa4163

Note

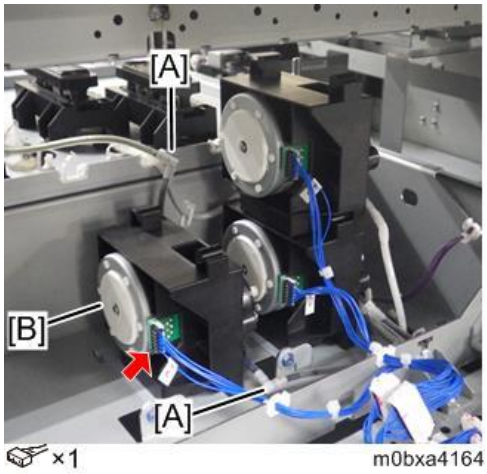
When removing the screws, insert the driver into the hole [A] of the bracket.



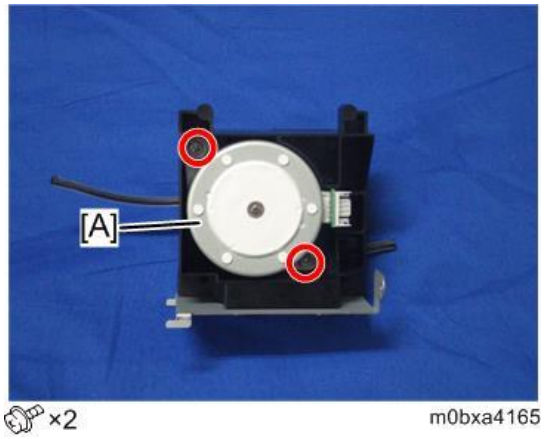
m0bxa4257

3. Disconnect the joint [A] of the tubes, and then remove the maintenance unit ink collection pump

unit [B].



4. Remove the maintenance unit ink collection motor [A].



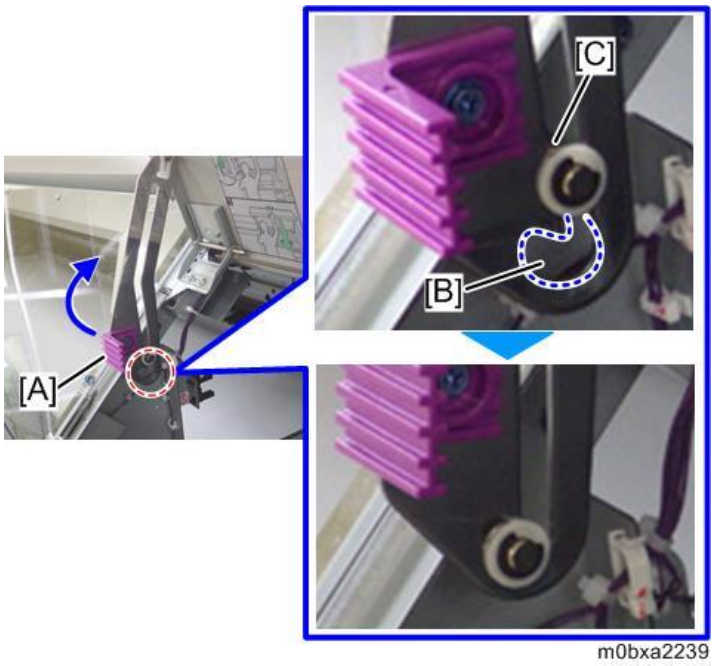
Maintenance Unit Cleaning Liquid Supply Motor

1. Remove the rear right cover. (Removing the Rear Right Cover)
2. Open the right front cover [A].

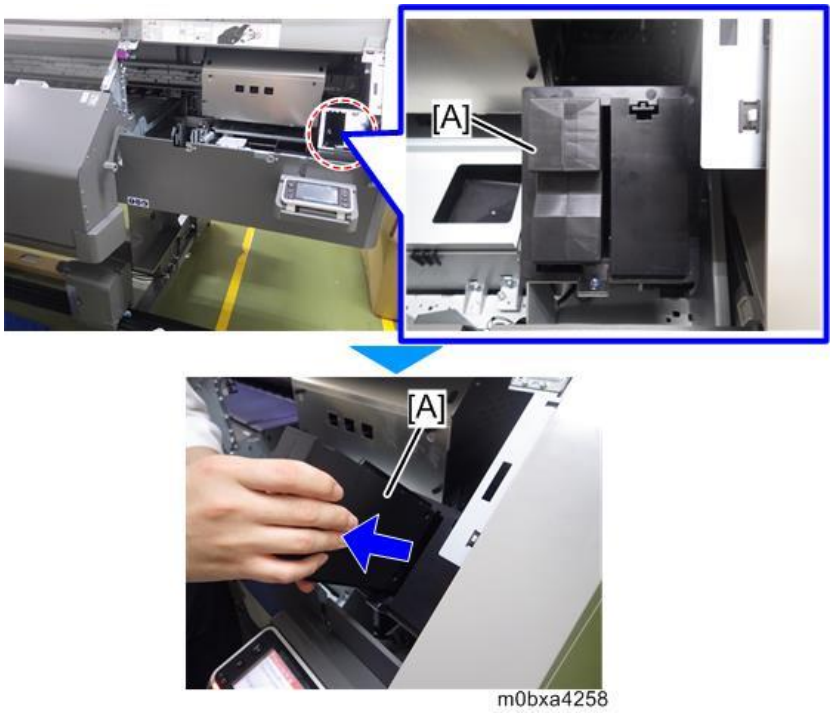


Note

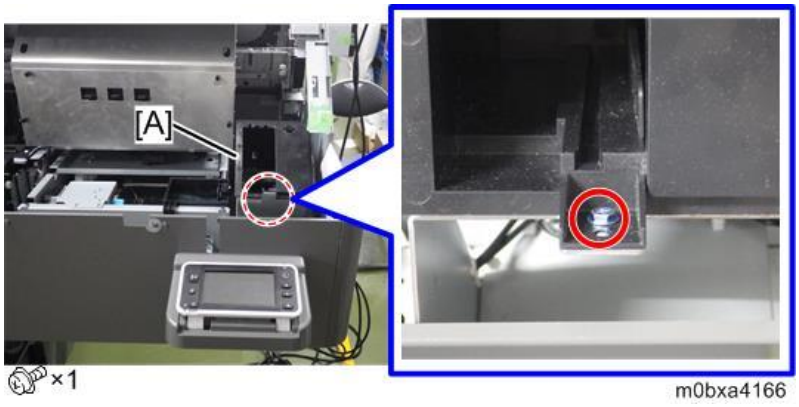
Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



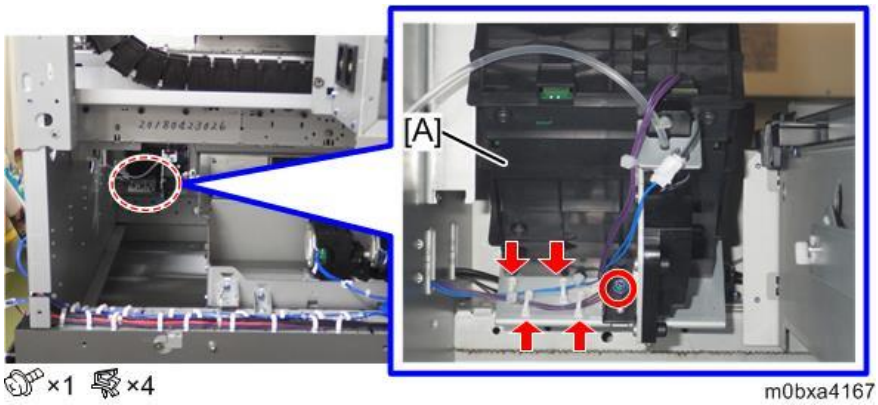
3. Remove the flushing cartridge [A].



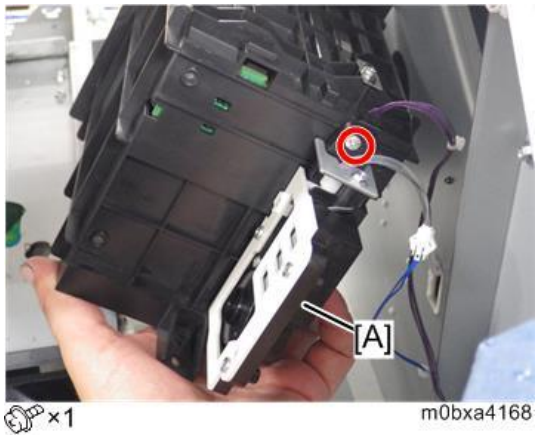
4. Remove the screw from the flushing cartridge holder [A].



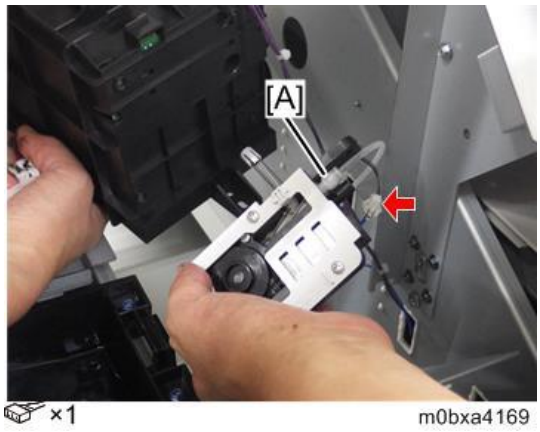
5. Release the clamps and remove the screw of the flushing cartridge holder [A].



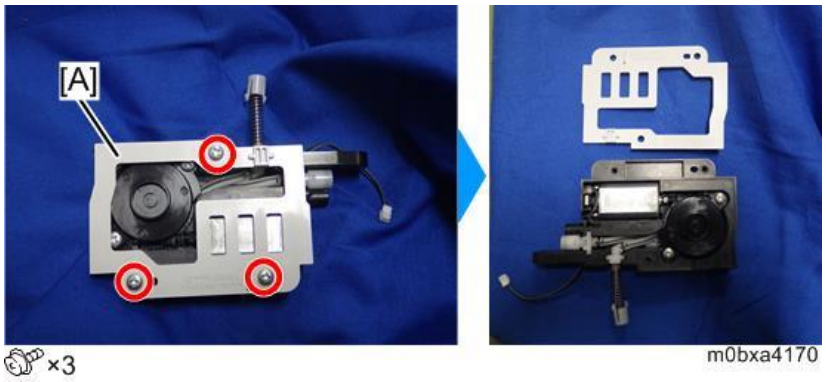
6. Remove the maintenance unit cleaning liquid supply motor [A] with the flushing cartridge holder.



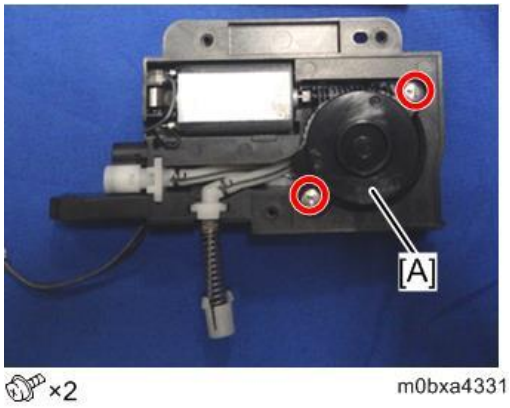
7. Remove the tube [A] and the connector.



8. Remove the bracket [A].



9. Remove the cover [A], and then remove the maintenance unit cleaning liquid supply motor [A].



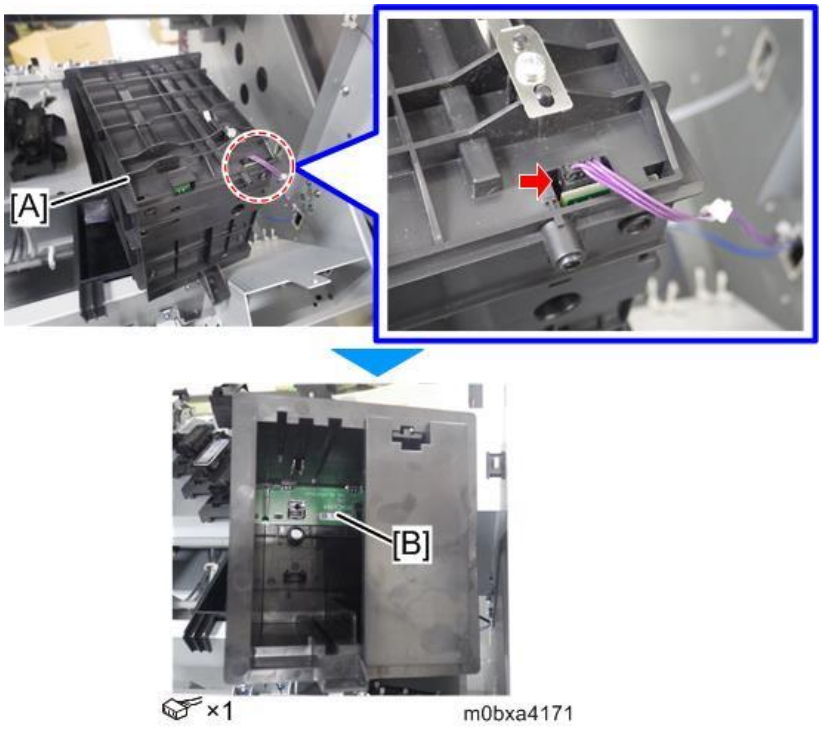
Important

When attaching the maintenance unit cleaning liquid supply motor, make sure to insert the wire [B] into the hole of the cap [A].



Cleaning Liquid Set Sensor

1. Remove the maintenance unit cleaning liquid supply motor [A] with bracket. (Maintenance Unit Cleaning Liquid Supply Motor)
2. Remove the cleaning liquid set sensor [B] from the flushing cartridge holder [A].



Maintenance Unit Lift Motor

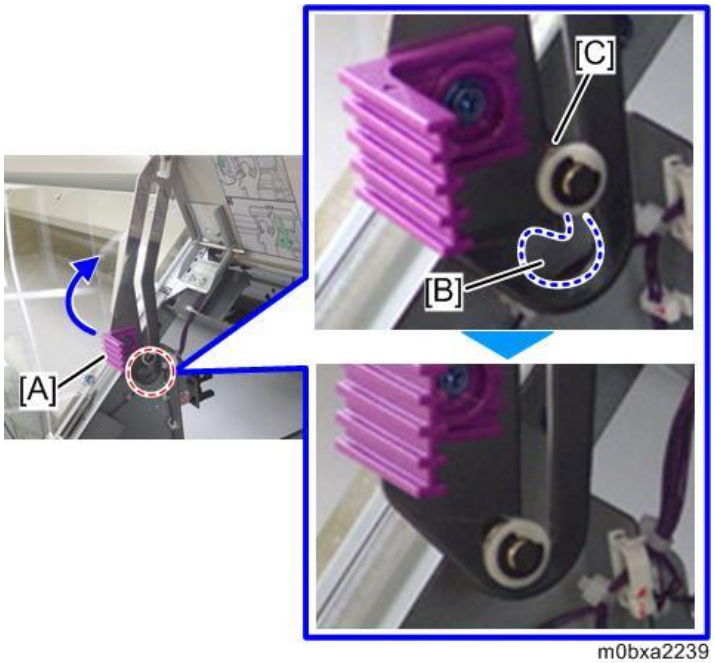
1. Open the right front cover [A].



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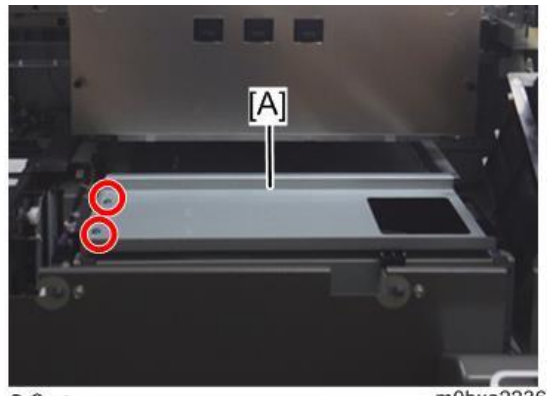
Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



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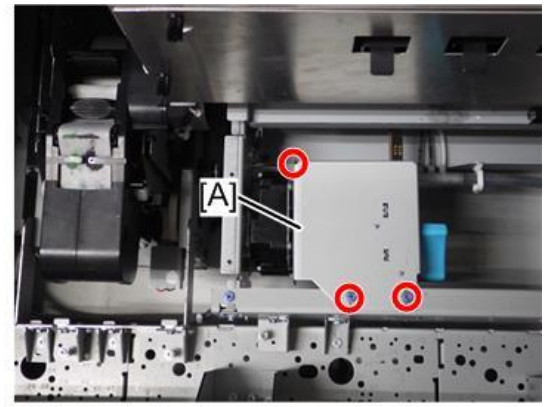
2. Remove the ink receiving port upper cover [A].



×2

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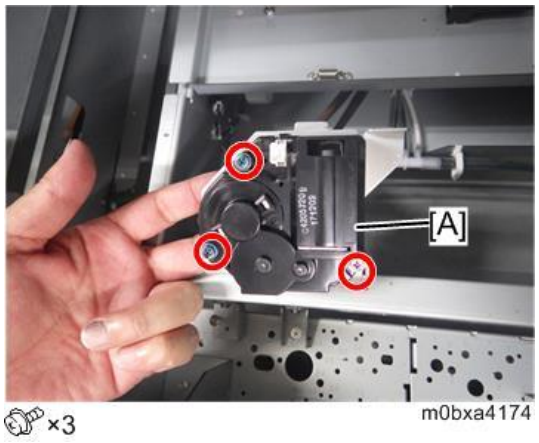
3. Remove the screws from the bracket [A].



4. Detach the spring.



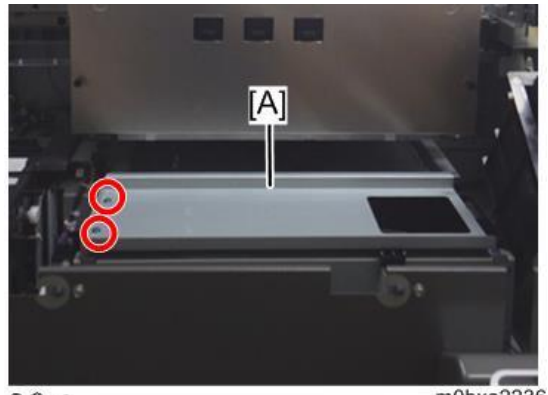
5. Remove the maintenance unit lift motor [A].



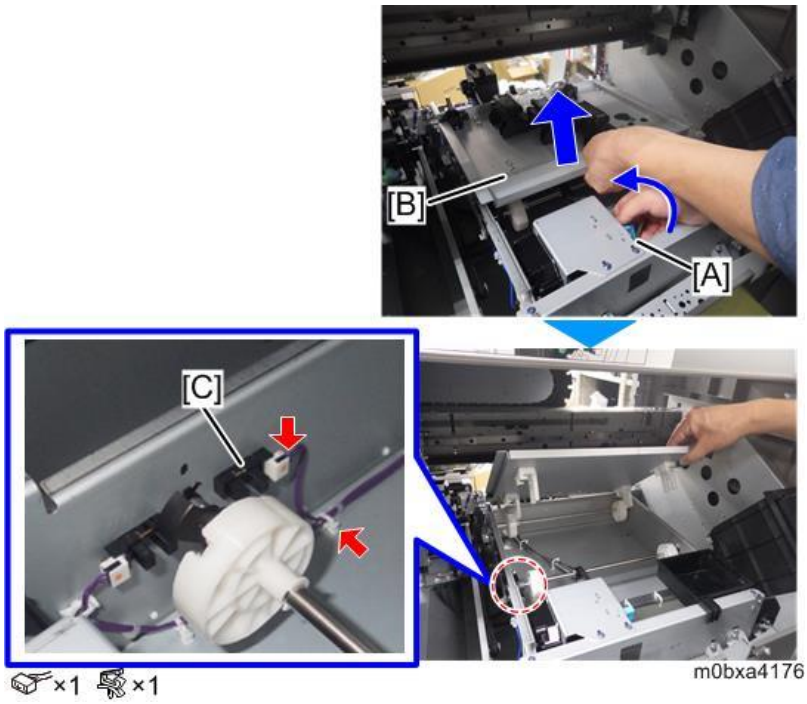
Maintenance Suction Unit HP Sensor

1. Move away the carriage unit. (Moving Away the Carriage Unit)

2. Remove the ink receiving port upper cover [A].



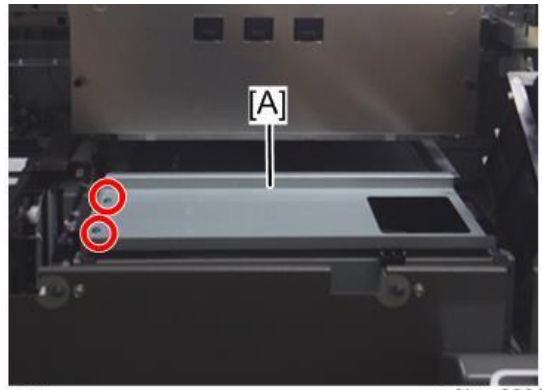
3. Lift the cap unit [B] by turning the handle [A], and then remove the maintenance suction unit HP sensor [C].



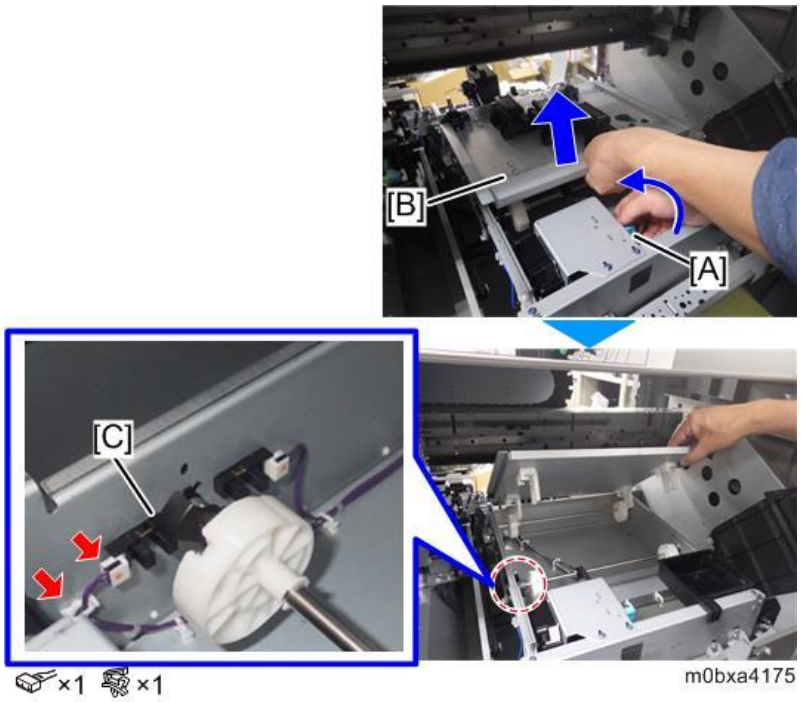
Maintenance Suction Unit Decap Sensor

1. Move away the carriage unit. (Moving Away the Carriage Unit)

2. Remove the ink receiving port upper cover [A].



3. Lift the cap unit [B] by turning the handle [A], and then remove the maintenance suction unit decap sensor [C].



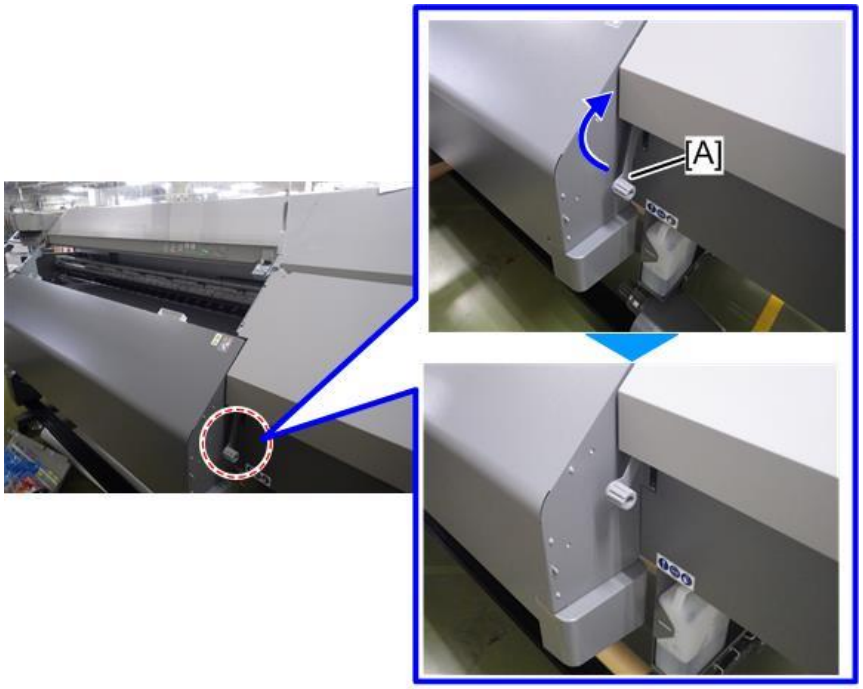
Heater

⚠CAUTION

- Make sure that the main power switch and AC power switch of the main machine are turned OFF and that its power cord is disconnected before replacing parts of the heater. Replacement in an energized state constitutes an electric shock hazard and could cause a malfunction.
- After the power plug is unplugged, residual charge may still be left in the PSU. Be careful not to touch PSU while operating the machine.

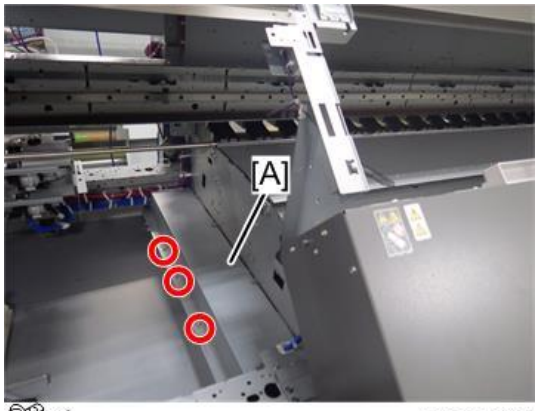
Pre-heater

1. Remove the front registration sensor with the bracket. (Front Registration Sensor)
2. Remove the rear left cover. (Removing the Rear Left Cover)
3. Remove the rear right cover. (Removing the Rear Right Cover)
4. Remove the left front cover. (Removing the Left Front Cover)
5. Raise the media holding lever [A].

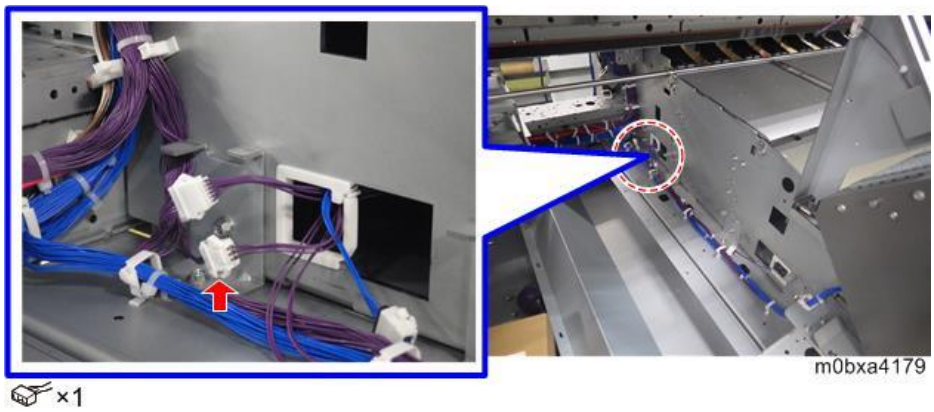


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6. Remove the harness cover [A] from the left side of the main unit.

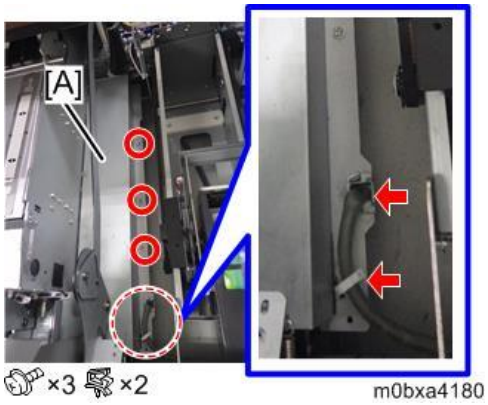


7. Disconnect the connector.

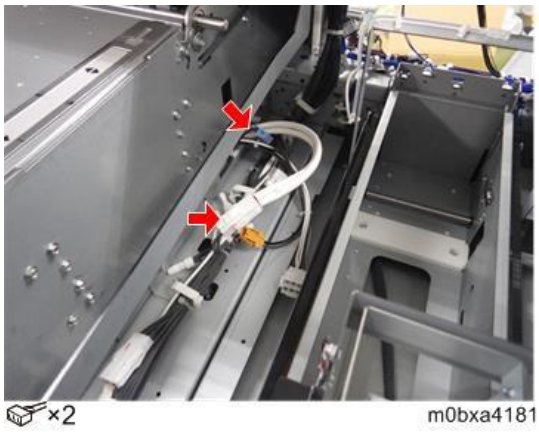


8. Remove the nozzle cleaning cartridge.

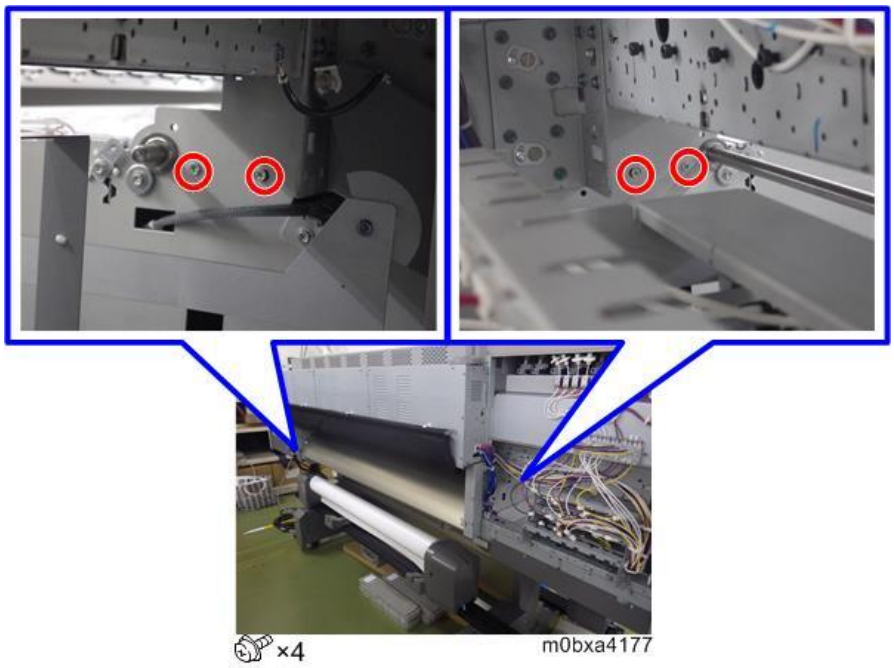
9. Remove the harness cover [A] from the right side of the main unit.



10. Remove the connectors.



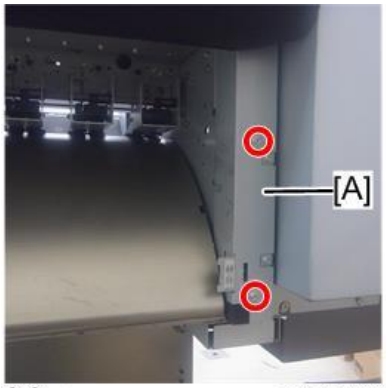
11. Remove the fixing screws of the pre-heater from the rear side of the main unit.



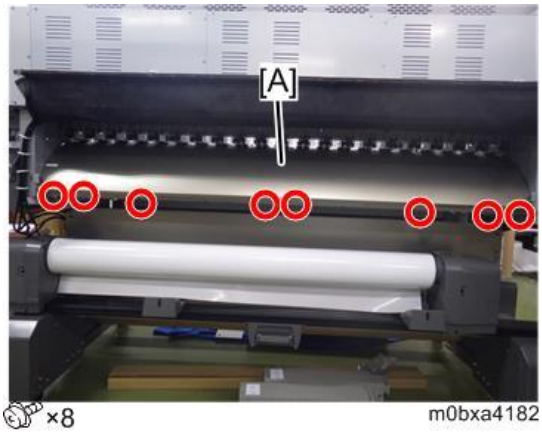
12. Raise the pre-heater cover [A], and then fix it with the clamp [B].



13. Remove the bracket [A] at the right side of the rear.

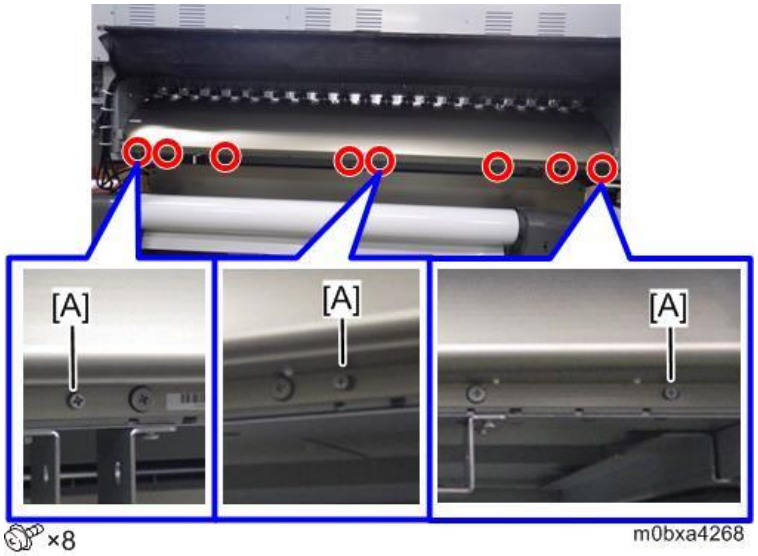


14. Remove the fixing screws of the pre-heater [A].

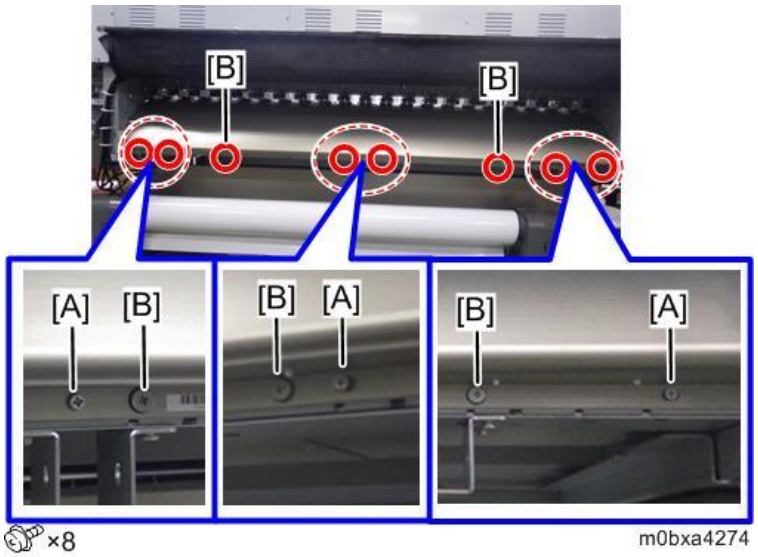


Note

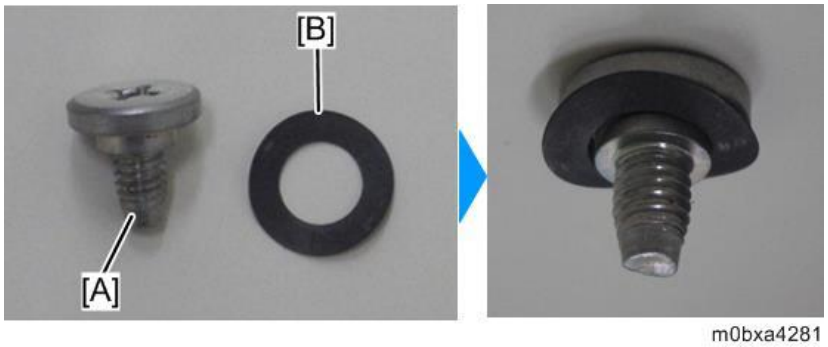
When attaching the pre-heater, make sure to use the correct screw for each position. The screw type for position [A] is different from others.



When attaching the pre-heater, tighten the screws [A] first, and then tighten the stepped screws [B].

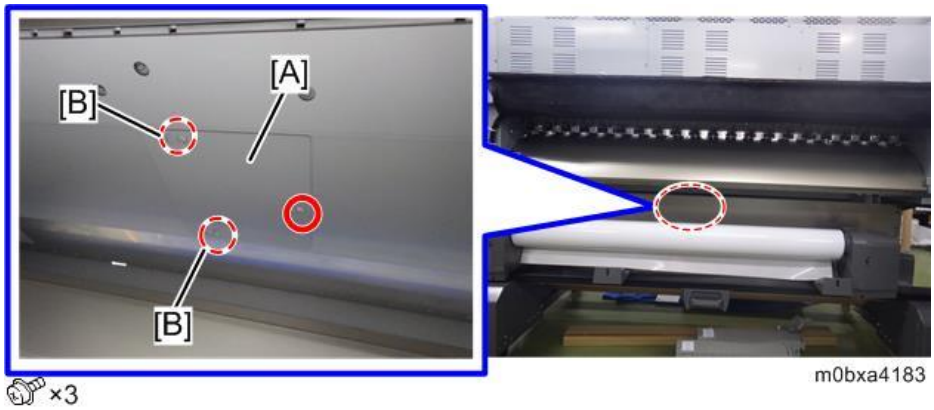


Make sure to set the wave washer [B] to the stepped screw [A].



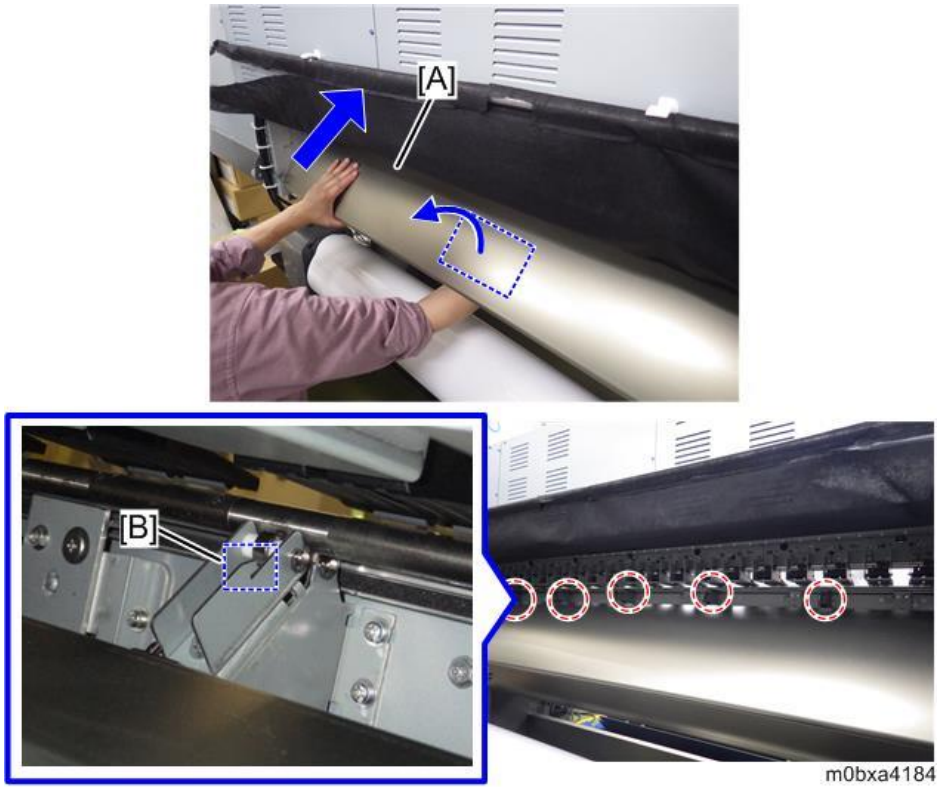
15. Remove the cover [A].

When removing the cover, loosen the screws [B].



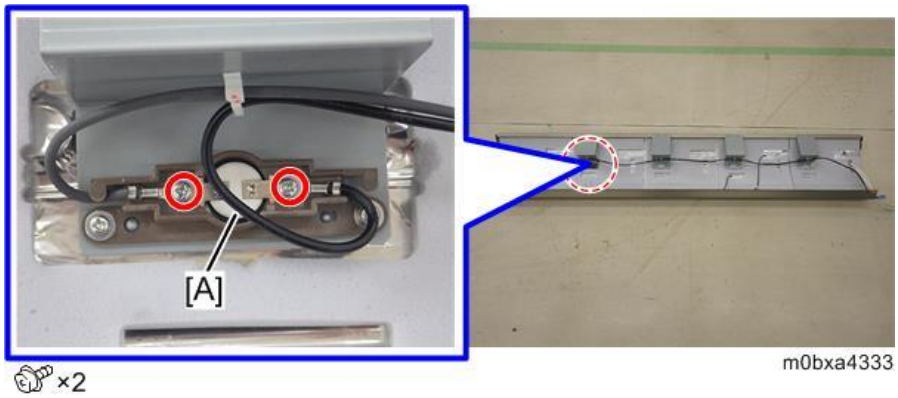
16. Insert your hand into the hole of the cover while pushing the pre-heater [A] by another hand.

Remove the pre-heater from the hook [B], and then pull out the pre-heater towards the front.



Pre-heater Thermostat

1. Remove the pre-heater. (Pre-heater)
2. Remove the pre-heater thermostat [A].



Note

Always replace the thermostat once broken. Do not deform the bimetal part (black part) by a precision screwdriver or other tools.

Cure Heater

Cure Heater

1. Remove the left front cover. (Removing the Left Front Cover)

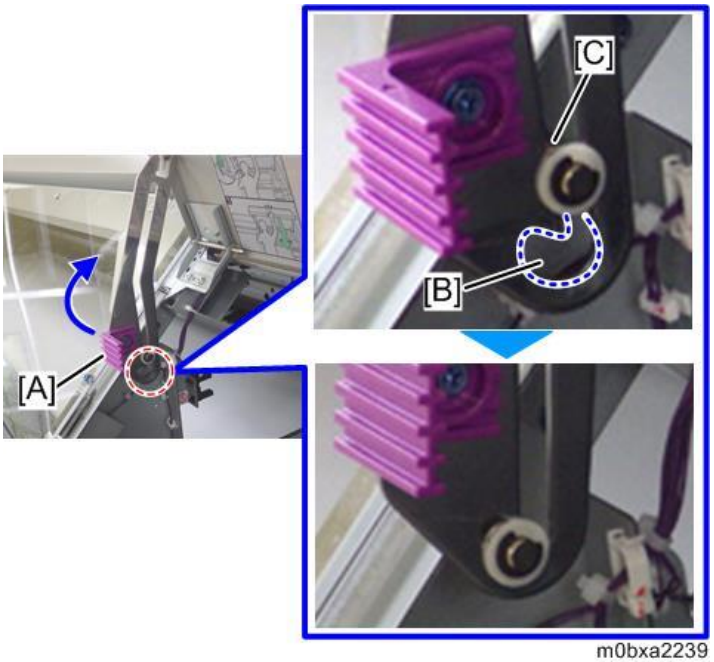
2. Open the right front cover [A].



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Note

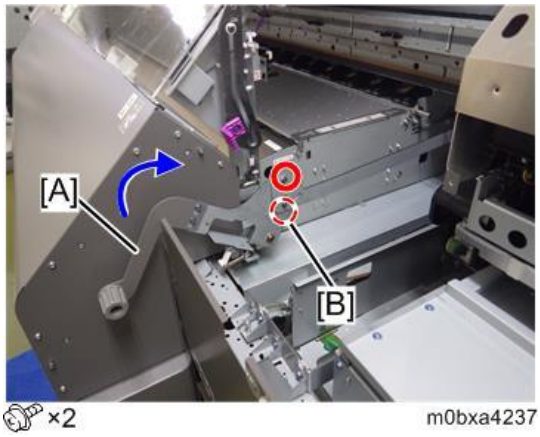
Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.



m0bxa2239

Move the media holding lever [A] to inside of the main unit.

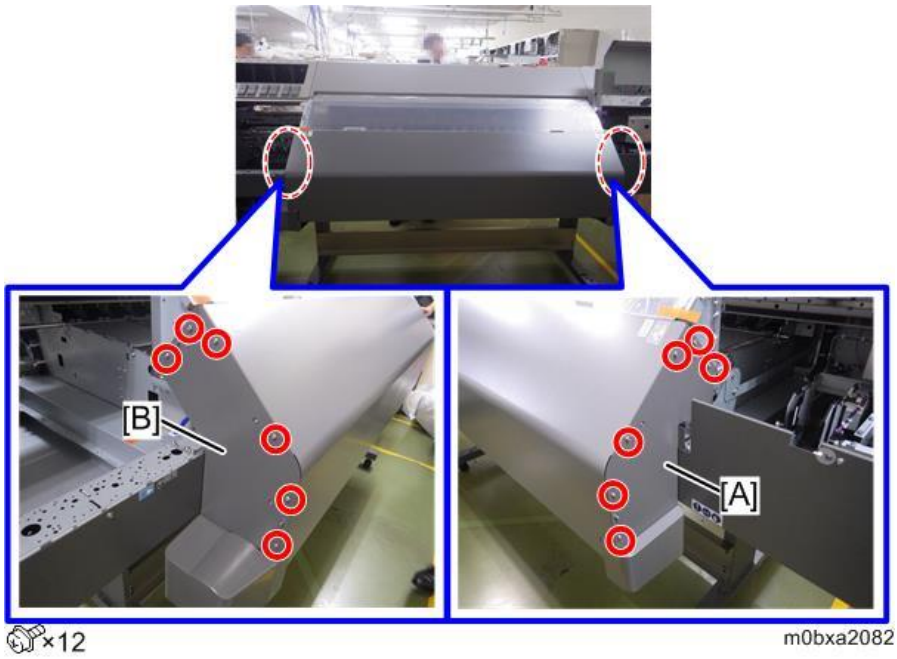
When moving the media holding lever, loosen the screw [B].



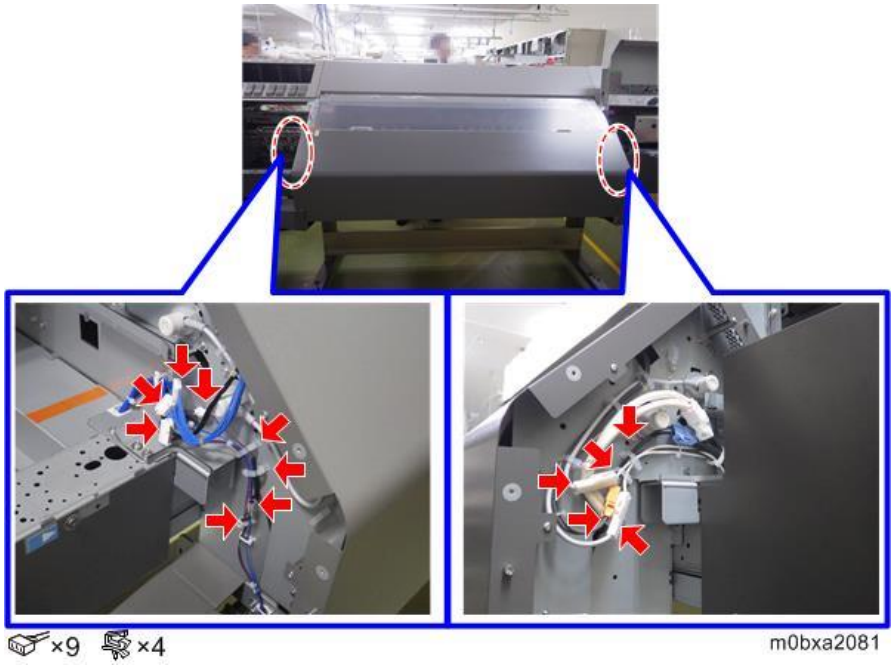
×2

m0bxa4237

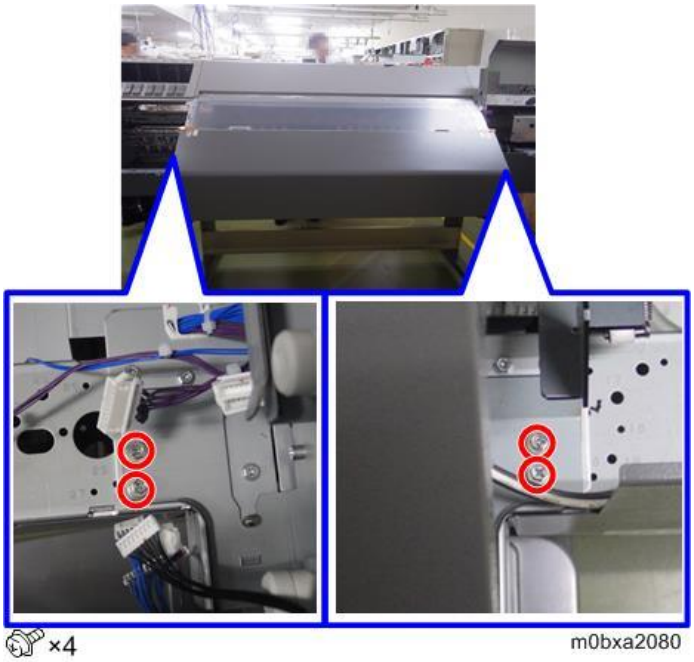
3. Remove the right side plate [A] and the left side plate [B].



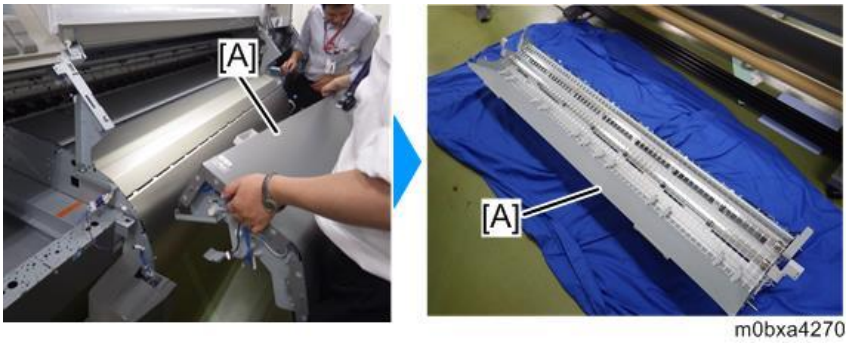
4. Remove the harnesses.



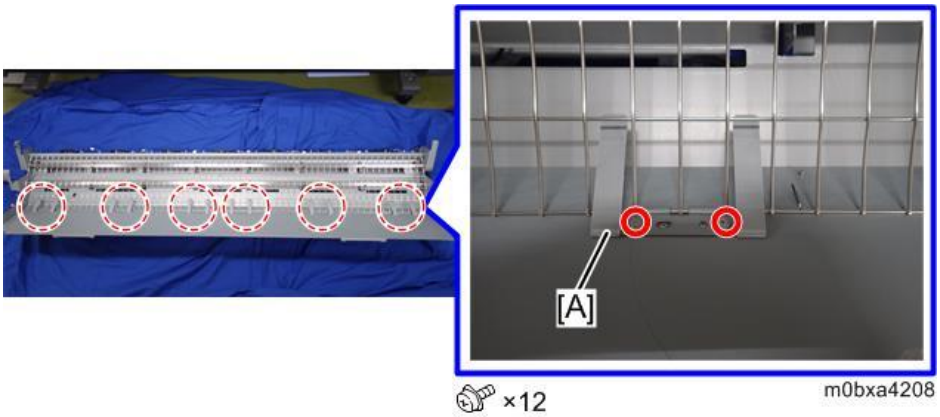
5. Remove the screws from the cure heater.



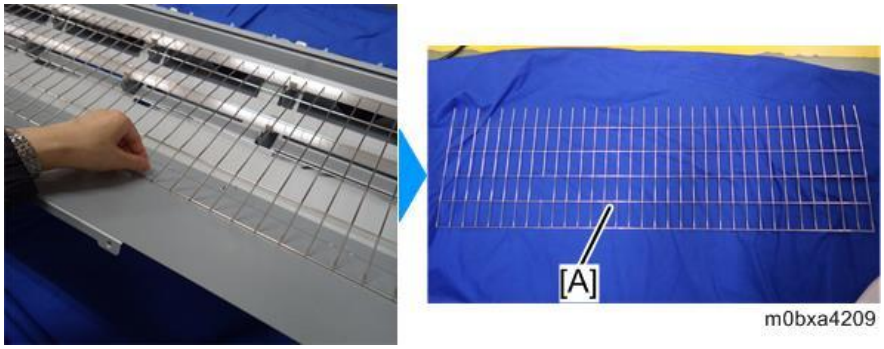
6. Remove the cure heater [A].



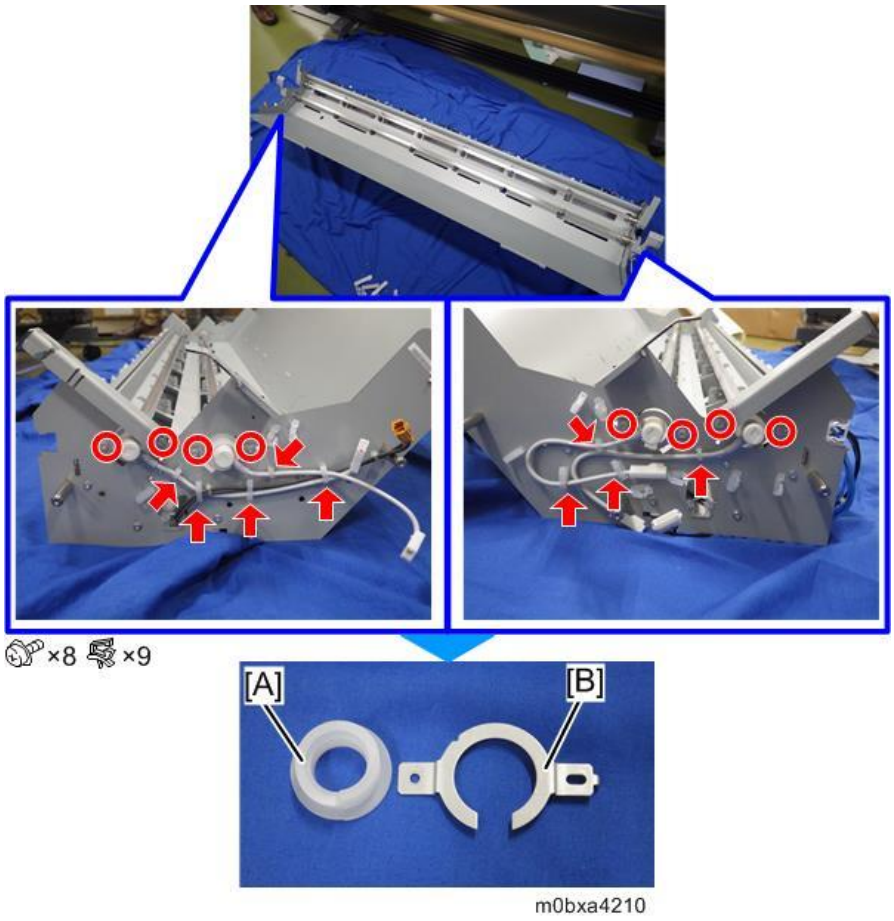
7. Remove the bracket [A].



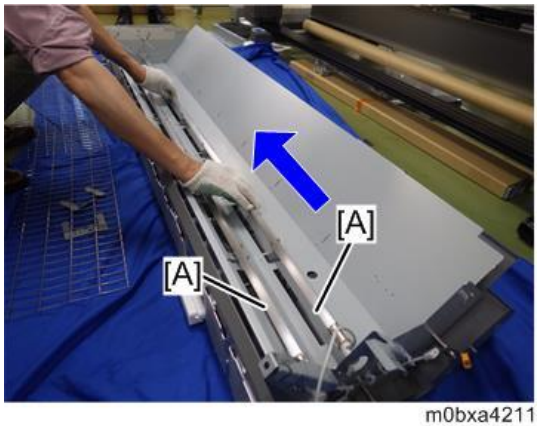
8. Remove the guard [A].



9. Remove the damper [A] and the holder [B] from the left side and right side of the cure heater.



10. Wear gloves, and then remove the cure heaters [A].



m0bxa4211

Cure Heater Cover

1. Remove the left front cover.(Removing the Left Front Cover)

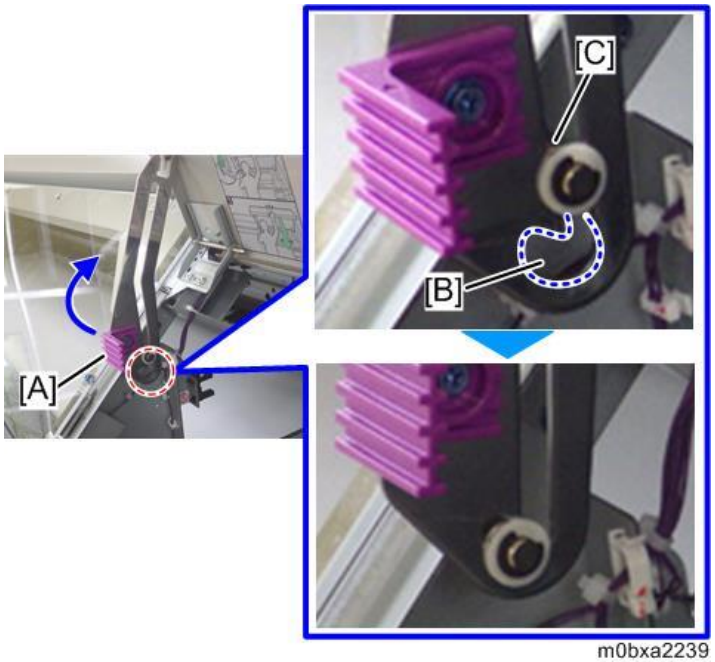
2. Open the right front cover [A].



m0bxa2048

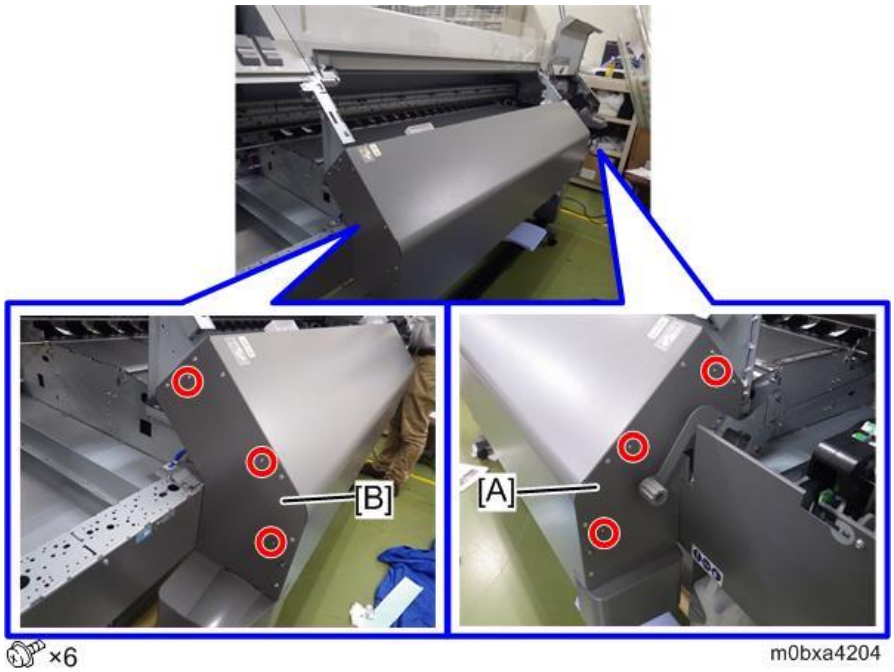
Note

Lift the lock lever [A] tightly to let the shaft [C] fit the cutout section [B] of the bracket.

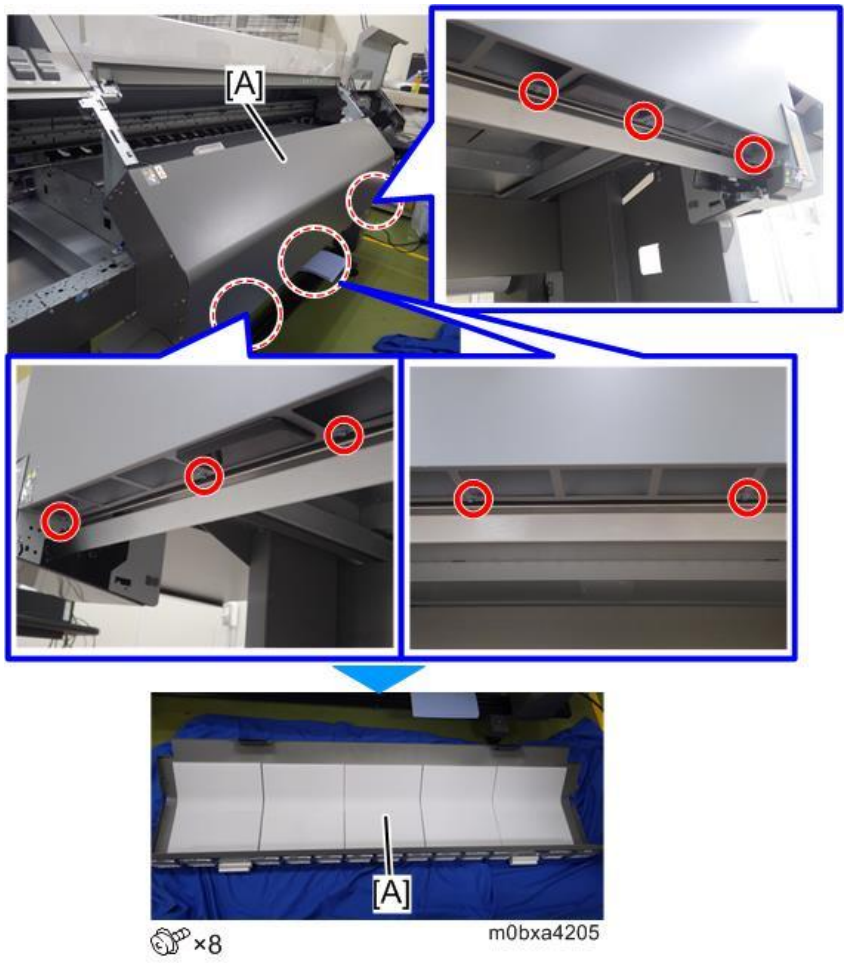


m0bxa2239

3. Remove the screws of the right side plate [A] and the left side plate [B].

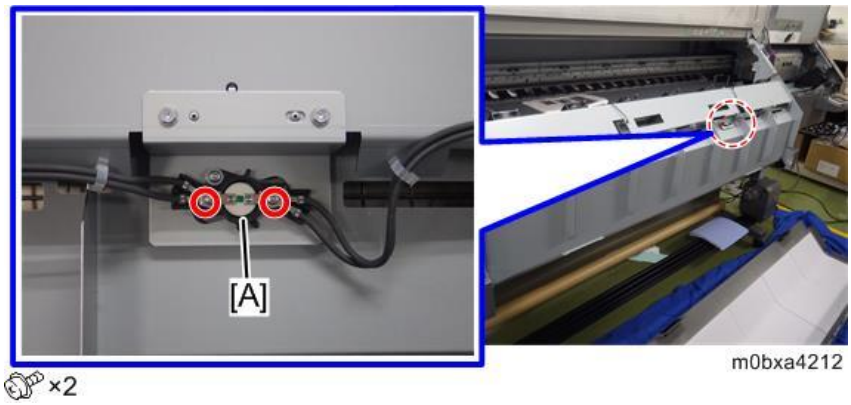


4. Remove the screws from the lower side of the cure heater, and then remove the cure heater cover [A].



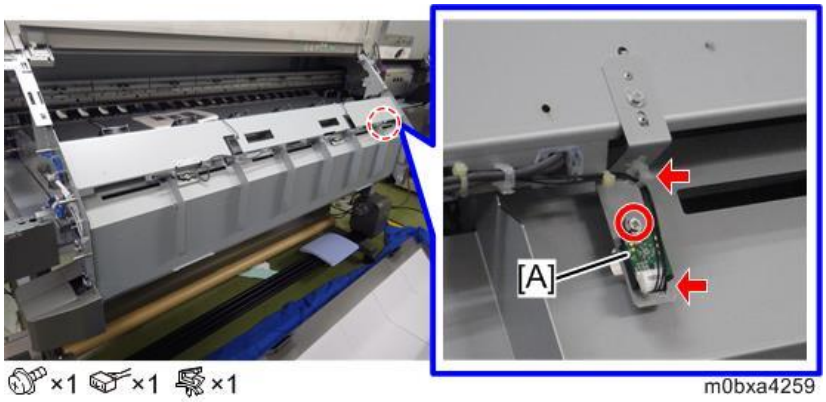
Cure Heater Thermostat

1. Remove the cure heater cover. (Cure Heater Cover)
2. Remove the cure heater thermostat [A].



Cure Heater Thermopile

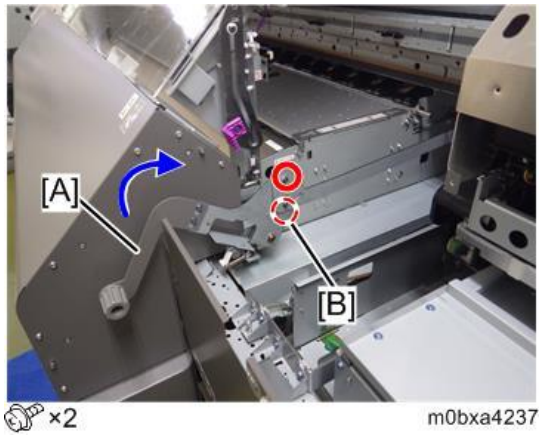
1. Remove the cure heater cover. (Cure Heater Cover)
2. Remove the cure heater thermopile [A].



Post Heater

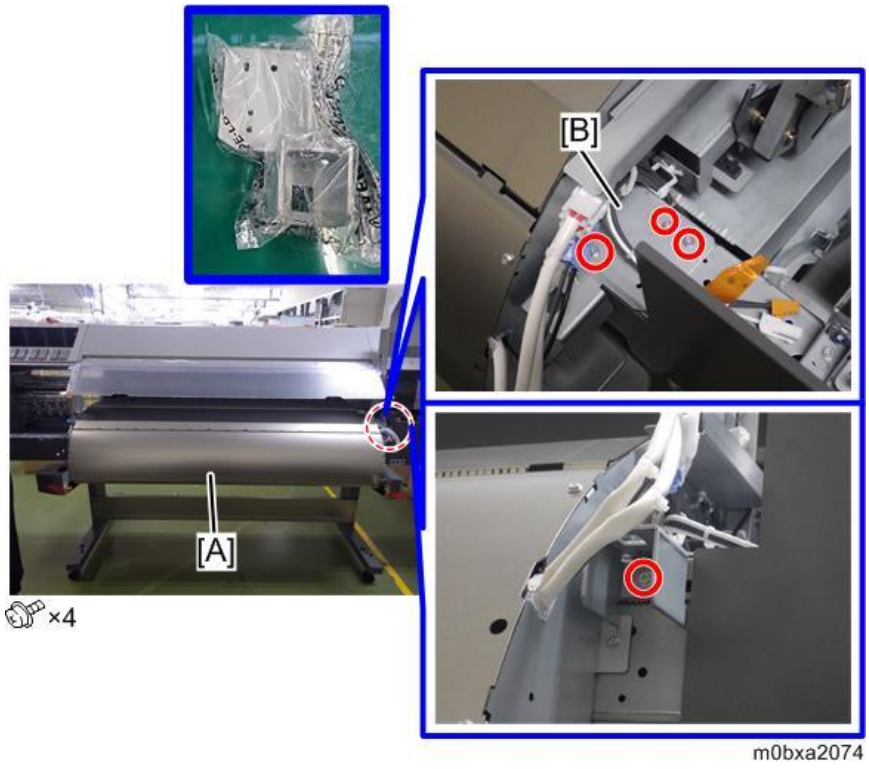
Post Guide Plate

1. Remove the cure heater. (Cure Heater)
2. Move the media holding lever [A] to the inside of the main unit.
   When moving it, loosen the screw [B].

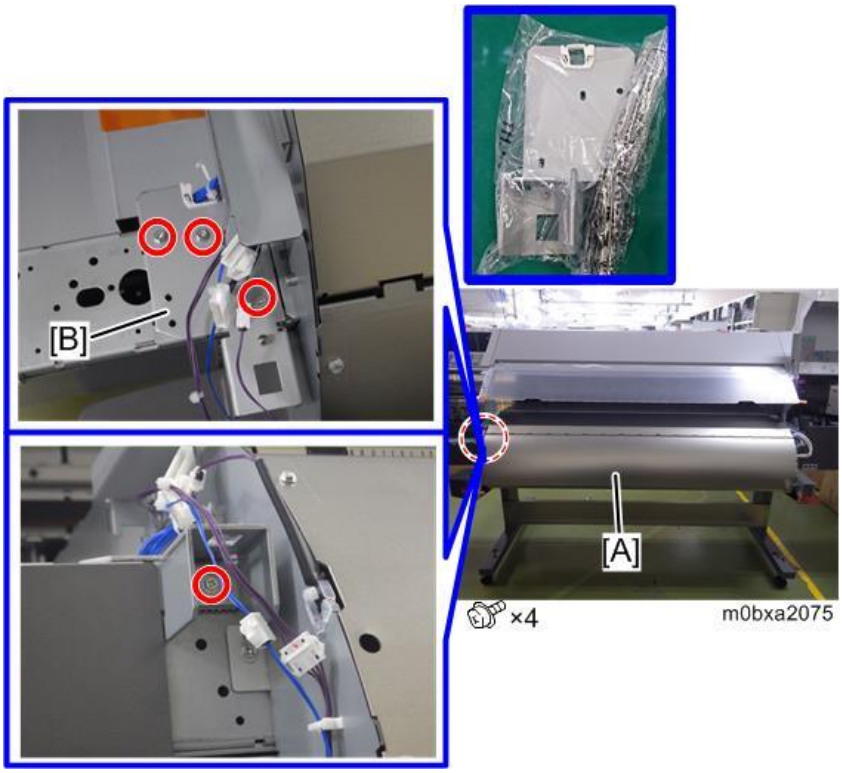


3. Remove the brackets (left/right) [B] of the post guide plate and cutter unit [A].

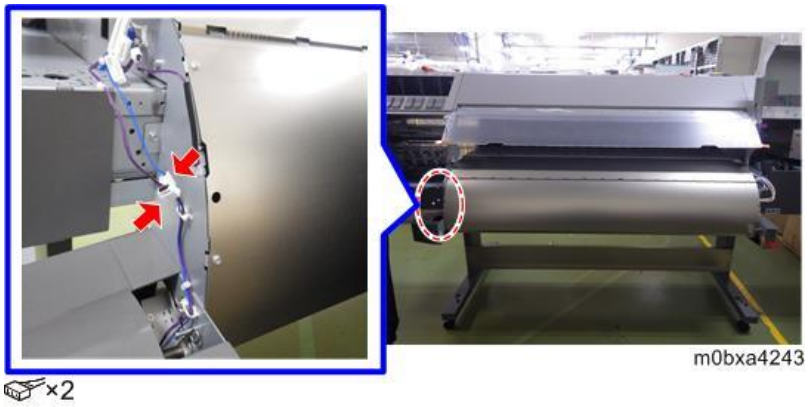
- Right side



- Left side



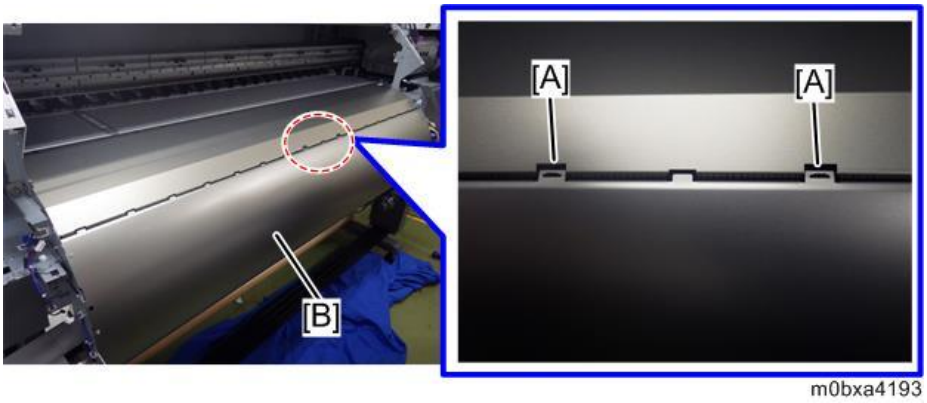
4. Disconnect the connectors.



5. Remove the screws of the post guide plate and the cutter unit.



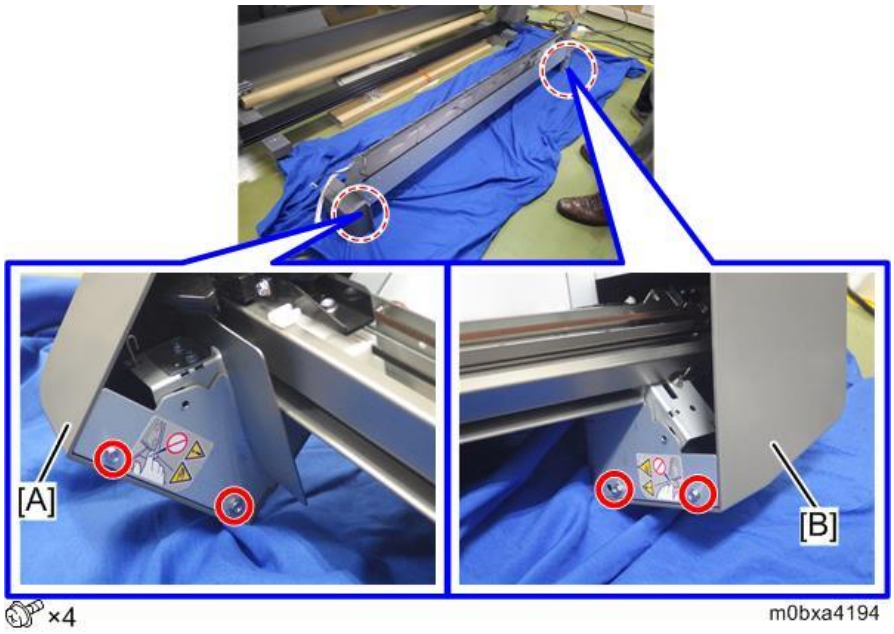
6. Remove the hooks [A] in the middle of the post guide plate and cutter unit, and then remove the post guide plate and the cutter unit [B].



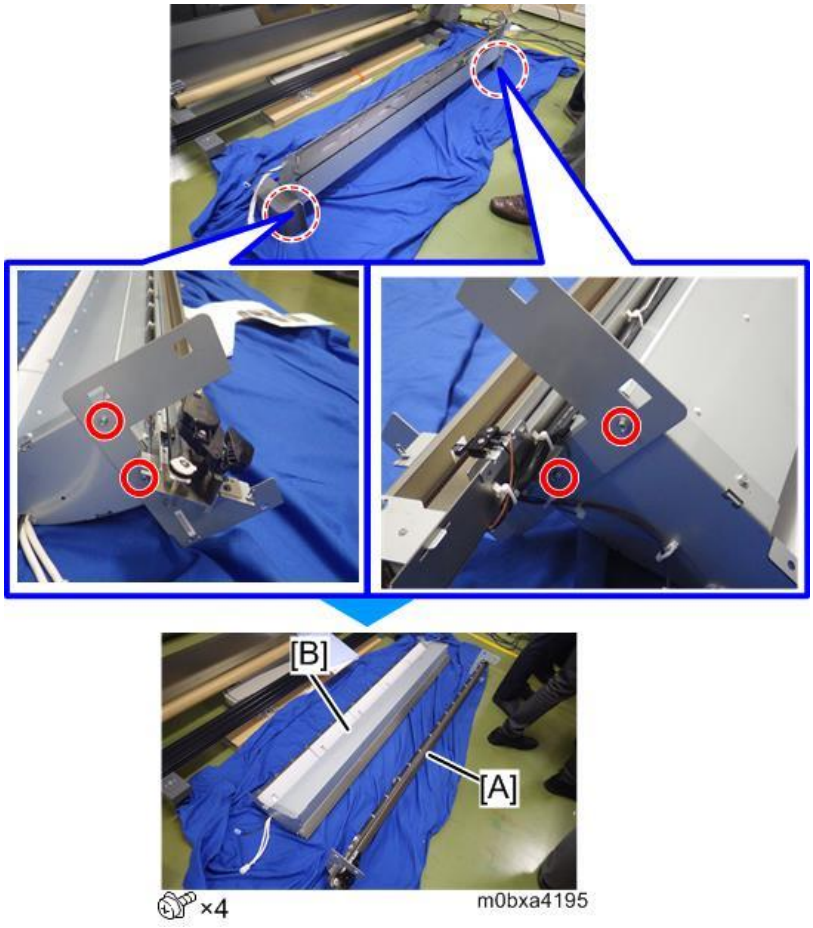
Note

When installing the post guide plate and cutter unit, make sure to hook the cutouts of the post guide plate and cutter unit onto the hooks of the main unit side.

7. Remove the left cover [A] and the right cover [B] of the cutter unit.



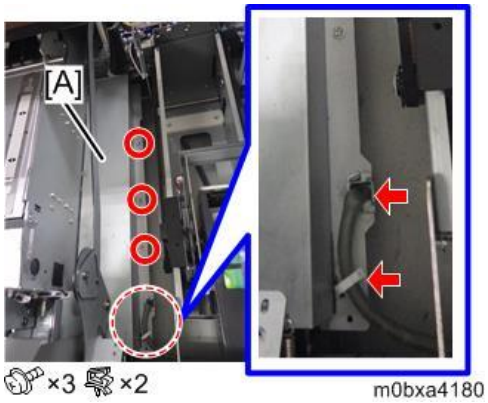
8. Separate the cutter unit [A] from the post guide plate [B].



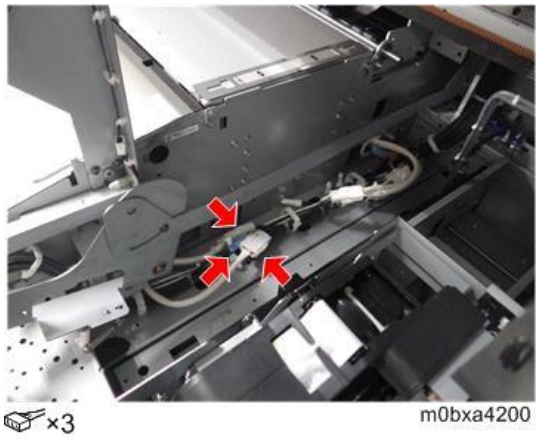
Post Heater

1. Remove the cure heater. (Cure Heater)

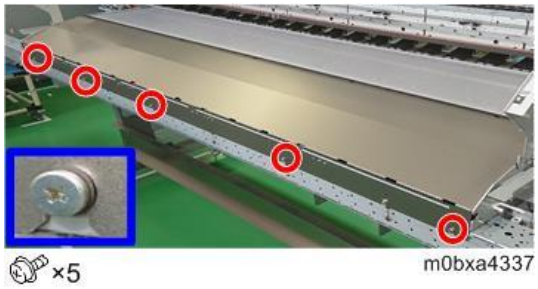
2. Remove the post guide plate. (Post Guide Plate)
3. Remove the harness cover [A] of the right side of the main unit.



4. Disconnect the connectors.

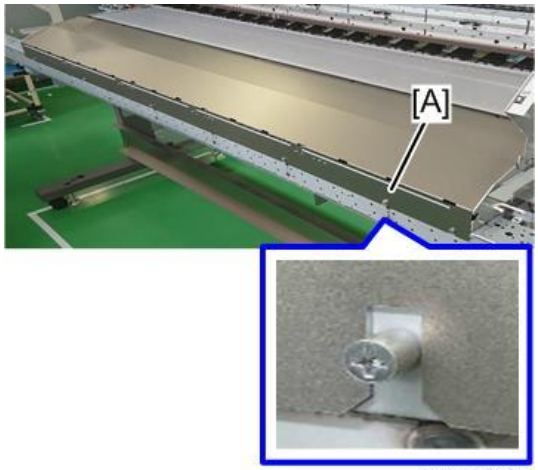


5. Remove the stepped screws with washers.

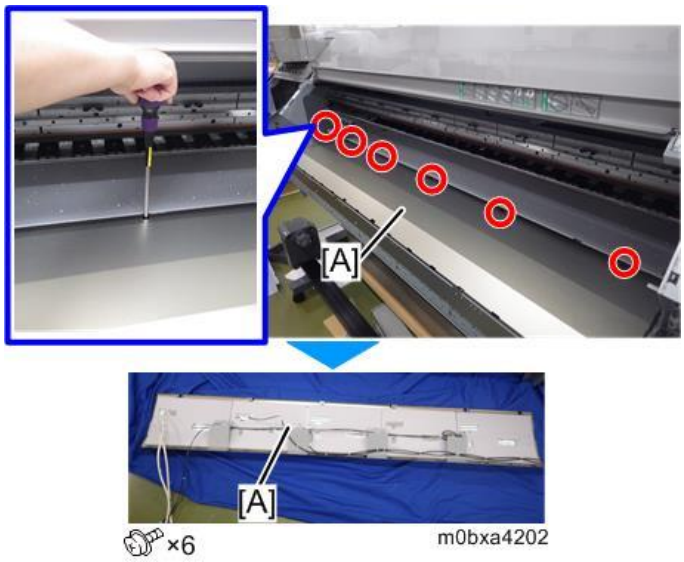


Note

Do not remove this screw [A].

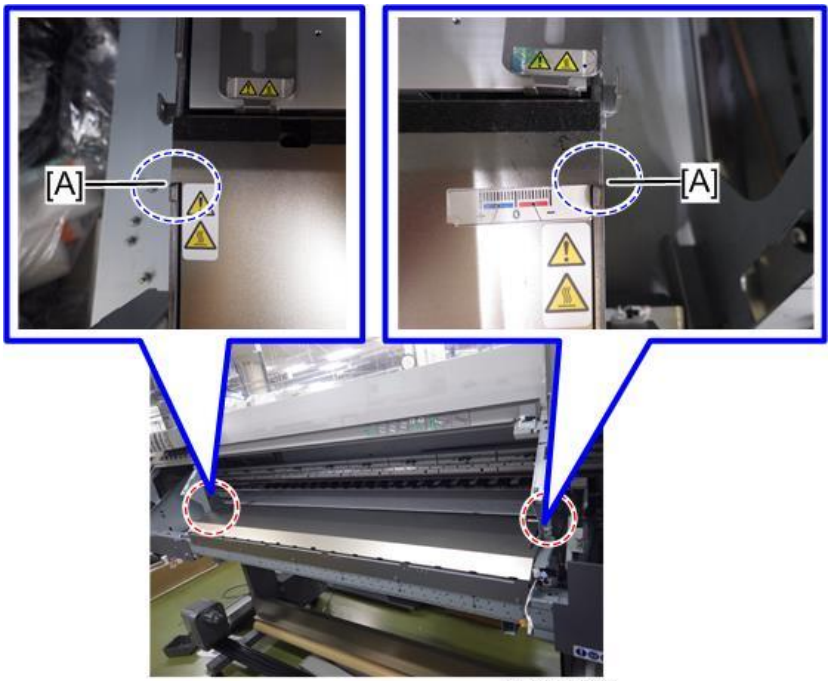


6. Remove the post heater [A].



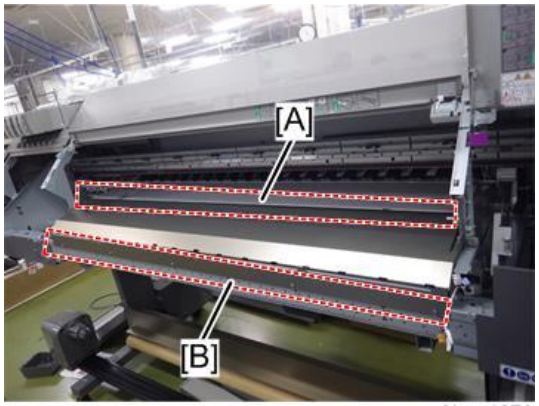
Note

When installing the post heater, make sure that there is no gap in the area [A].



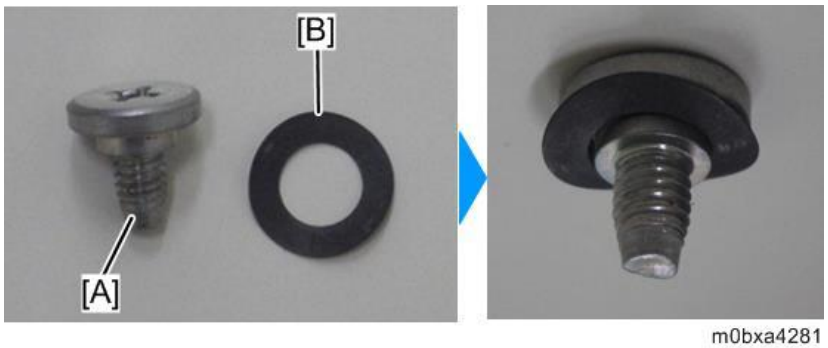
m0bxa4282

When installing the post heater, tighten the screws [A] first, and then tighten the screws [B].



m0bxa4273

Make sure to set the wave washer [B] to the stepped screw [A].

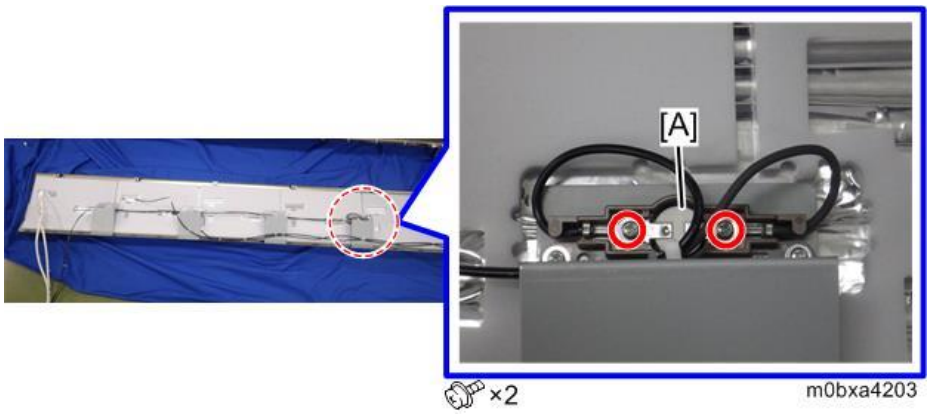


m0bxa4281

Post Heater Thermostat

1. Remove the post heater. (Post Heater)

2. Remove the post heater thermostat [A].



Note

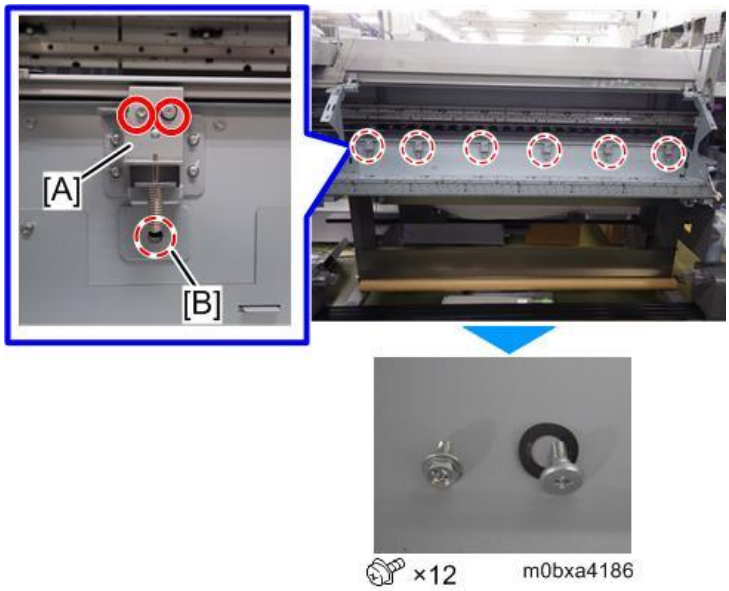
Always replace the thermostat once broken. Do not deform the bimetal part (black part) by a precision screwdriver or other tools.

Print Heater

1. Remove the cure heater. (Cure Heater)
2. Remove the post heater. (Post Heater)
3. Remove the post guide plate. (Post Guide Plate)
4. Remove the pre-heater. (Pre-heater)

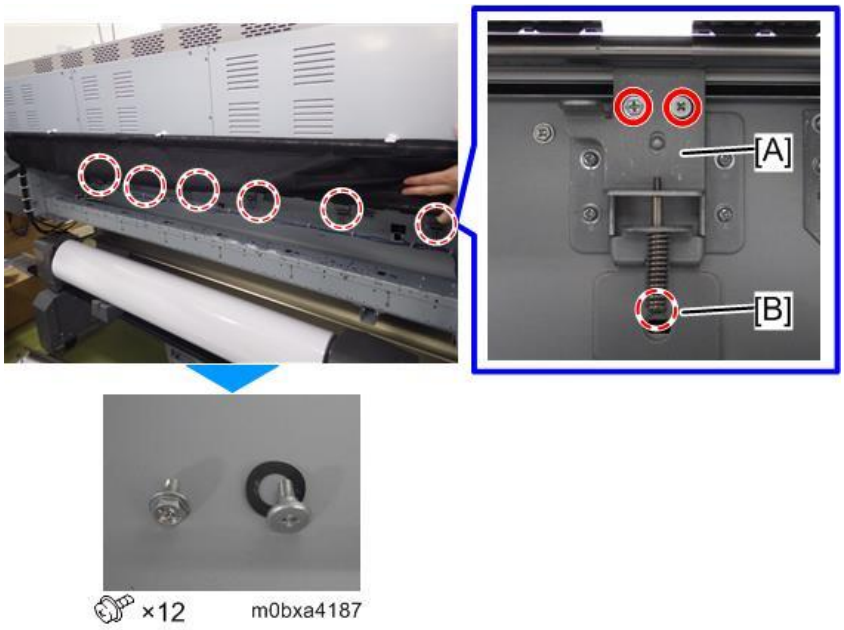
Remove the fixing screws of the platen adjustment bracket (Front side) [A].

Loosen the screw [B] with a ratchet driver.

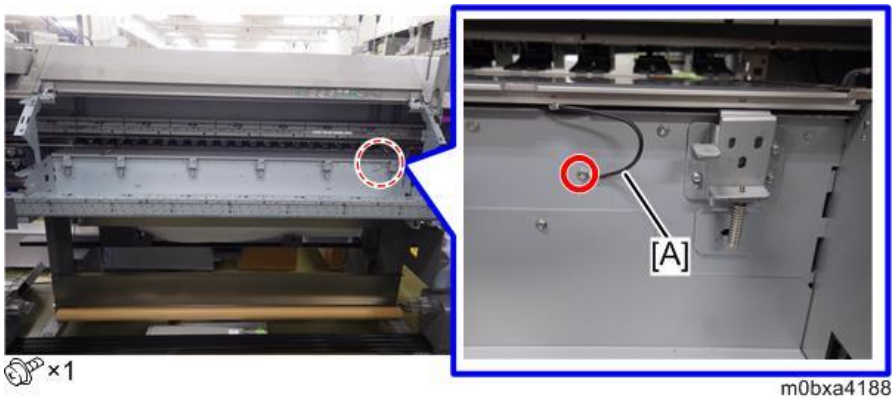


5. Remove the fixing screws of the platen adjustment bracket (Rear side) [A].

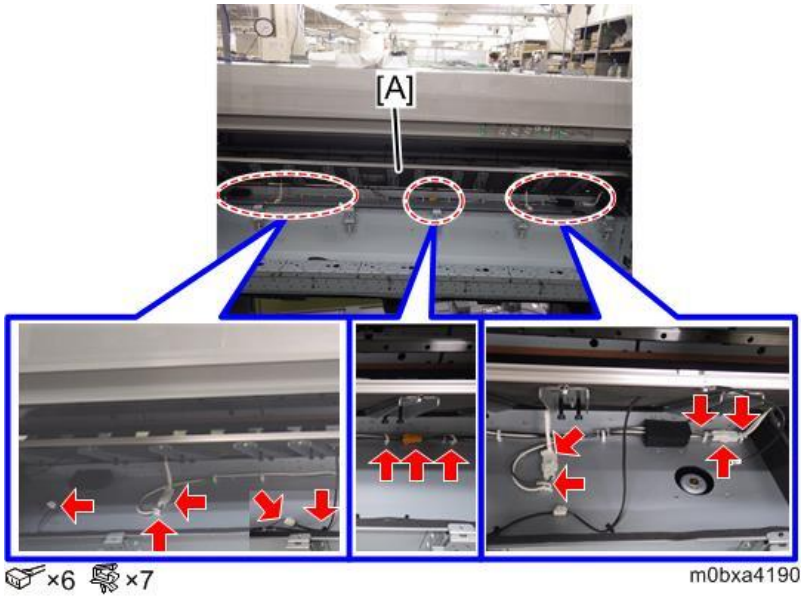
Loosen the screw [B] with a ratchet driver.



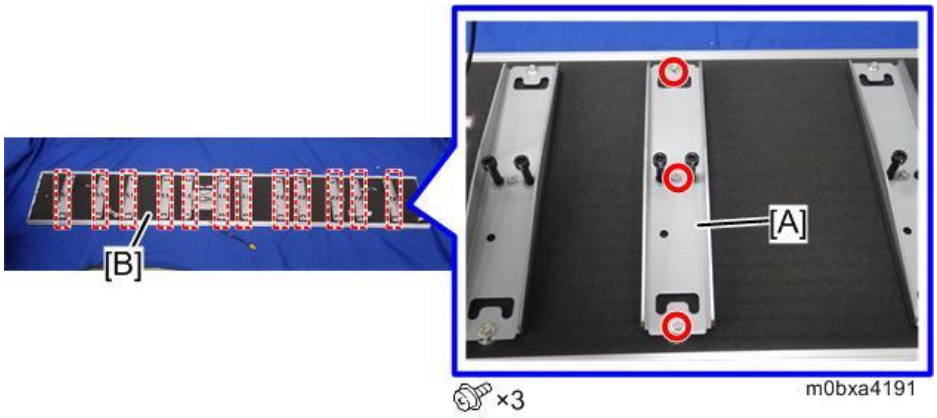
6. Remove the ground cable [A].



7. Open the print heater [A], and then disconnect the connectors and release the clamps. Remove the print heater [A].

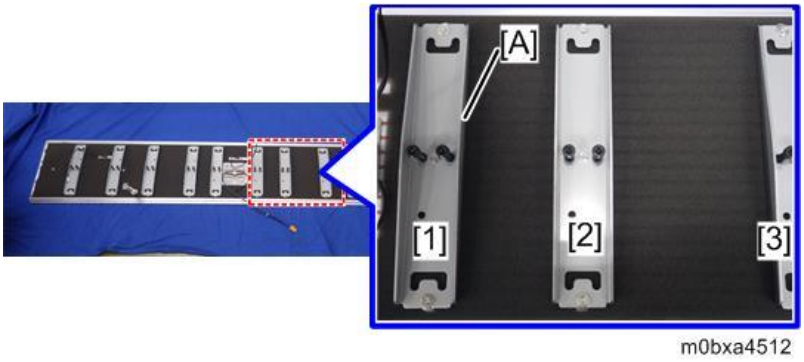


8. Remove the brackets [A] from the print heater [B].

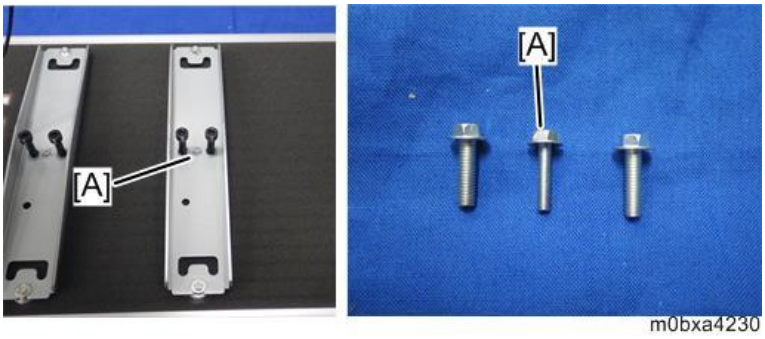


Important

- The height of each bracket is adjusted in the factory setting.
  When removing brackets, assign number to each bracket and write them in the brackets so that each bracket can be reattached at the same position and direction.



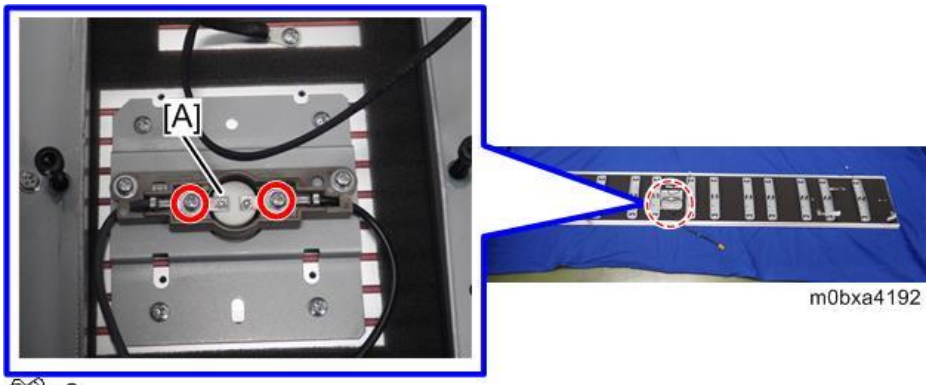
- When attaching the brackets, Make sure to use the screw [A] for the middle position of the bracket because the screw type is different from others.



Print Heater Thermostat

1. Remove the print heater. (Print Heater)

2. Remove the print heater thermostat [A].



×2

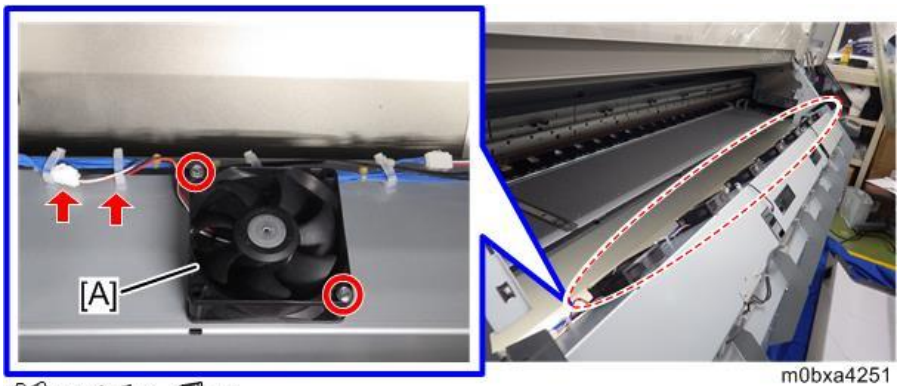
Note

Always replace the thermostat once broken. Do not deform the bimetal part (black part) by a precision screwdriver or other tools.

Dry Curing Fan 1-7

1. Remove the cure heater cover. (Cure Heater Cover)

2. Remove the dry curing fan [A].



×2 ×1 ×1

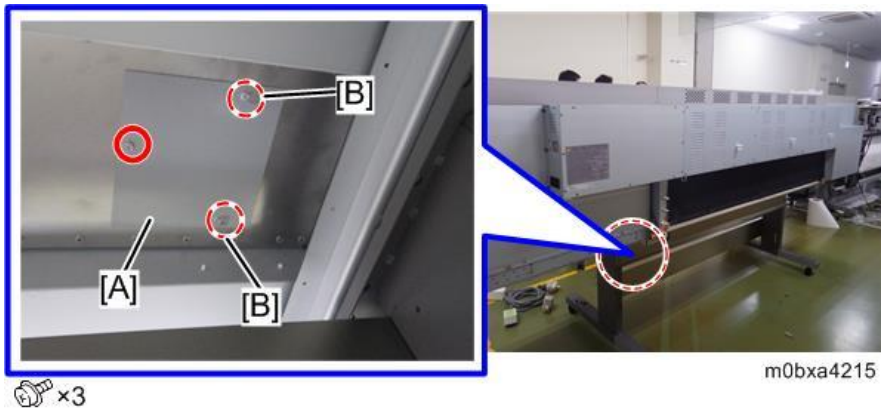
Note

When attaching the dry curing fan, route the harness as shown in the picture above. Attach the fan with the label facing downwards so that the label is invisible.

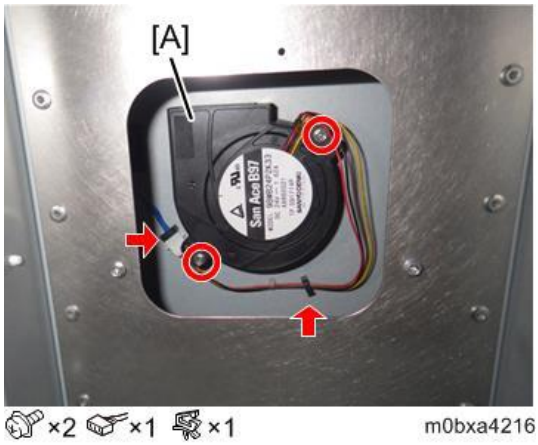
Suction Fan

1. Remove the cover [A].

When removing the cover, loosen the screws [B].



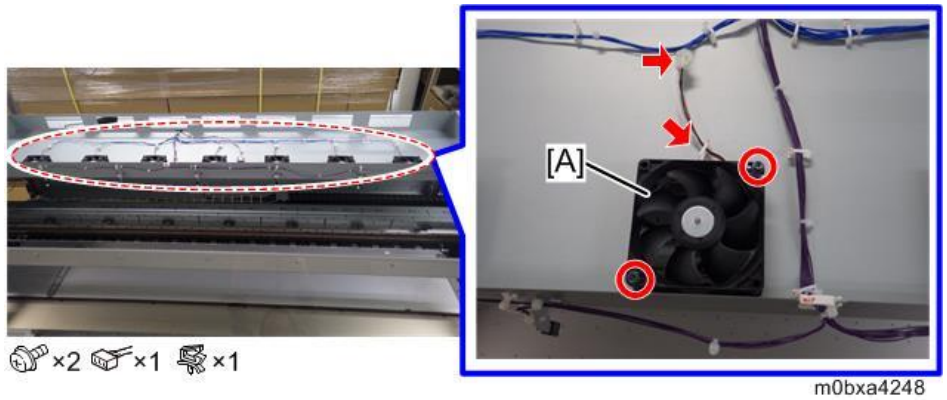
2. Remove the suction fan [A].



Internal Air Intake Fan 1-7

1. Remove the top cover [A] (Temperature and Humidity Sensor)

2. Remove the internal air intake fan [A].



Electrical Components

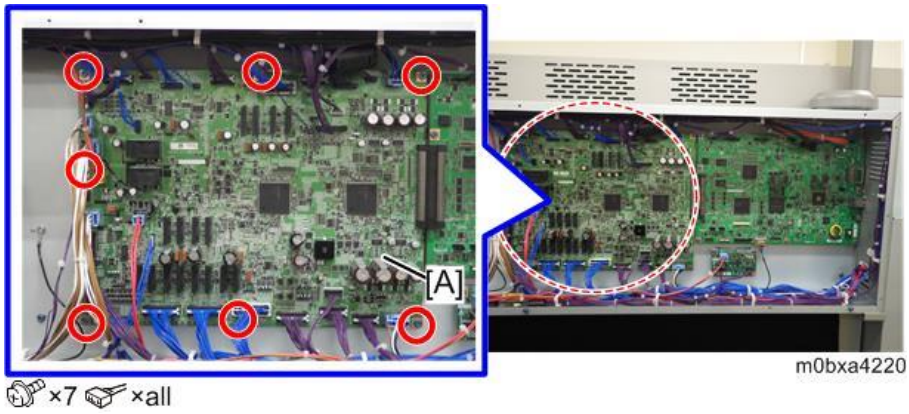
⚠CAUTION

Before replacing electrical components, turn the power off, and then unplug the power plug from the outlet.

Operating the powered machine may cause an electrical shock or damage to the machine.

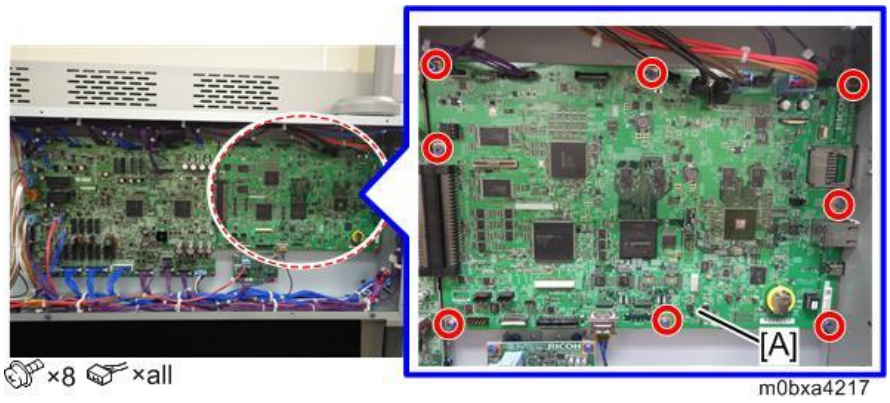
IOB (Input/Output Board)

1. Remove the controller box right cover 1 and 2. (Connecting the Connectors between the Roll Holders and Machine)
2. Remove the IOB [A].



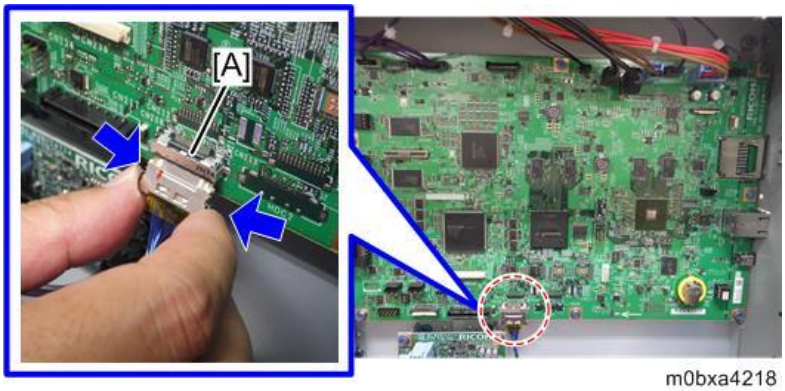
GAU (Main Controller Board)

1. Remove the IOB (IOB (Input/Output Board))
2. Remove the GAU [A].



Note

Disconnect the CN208 connector [A] while pushing both sides of the connector.



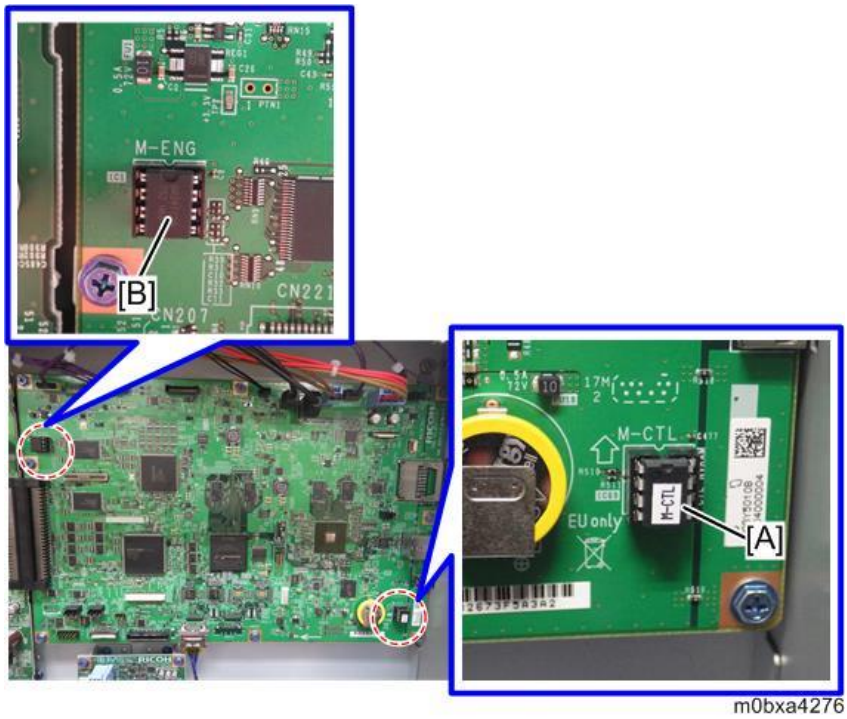
m0bxa4218

Precautions for Replacing the GAU

After replacing the GAU, attach the two NV-RAMs [A] removed from the old GAU to the new GAU.

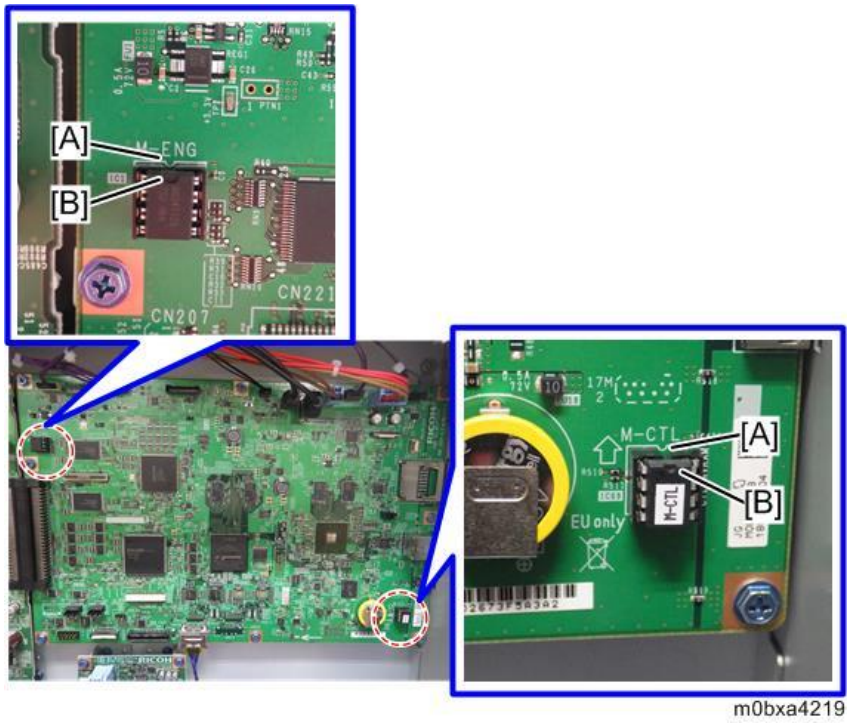
The NV-RAM with the label that shows "M-CTL" is attached on the right lower side [A].

The NV-RAM with no label is attached on the left upper side [B].



m0bxa4276

When attaching the NV-RAM, position the depression [B] of the NV-RAM (M-CTL) to the upper side so that the depression [B] aligns with the concave mark [A] printed in the GAU.



m0bxa4219

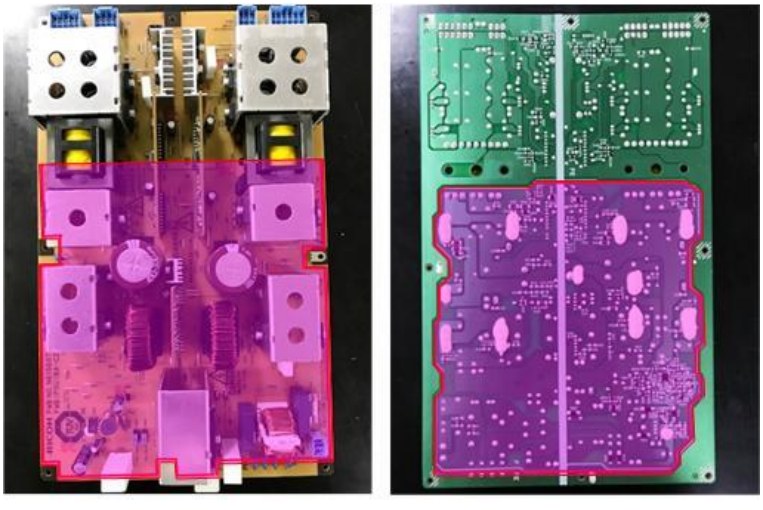
Important

Incorrect attaching may cause both the GAU and the NV-RAM to short-circuit and break.

PSU 24V(Power Supply Unit)

⚠CAUTION

- Unplug the power plug, and then wait for four minutes before starting replacement. Otherwise it may cause an electrical shock.
- After unplugging, remove the cover of the ACD side first.
- Do not touch solder and electronic parts on the PSU after removing it, because electric charge is left in the inside the PSU even if it has been removed. After removing the PSU, do not put it on a conductive object such as one made from metal.

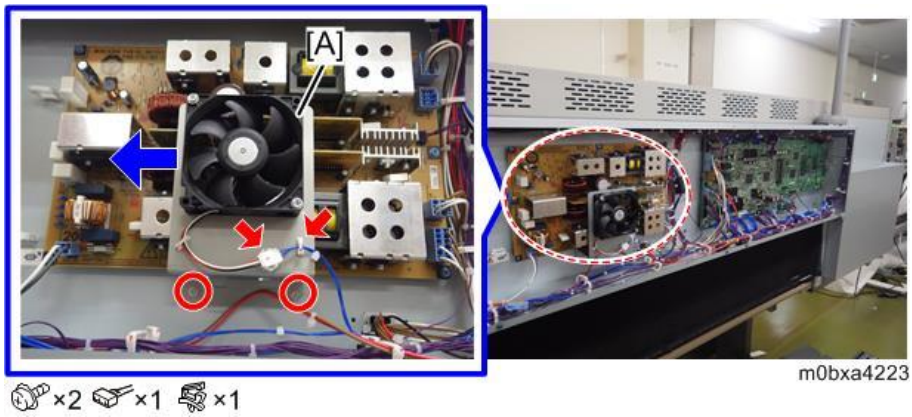


m0b2d4874

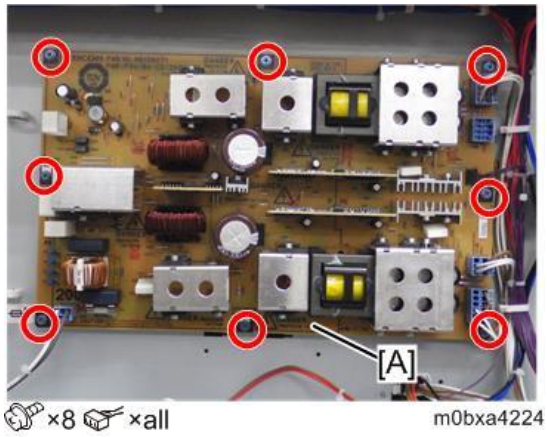
1. Remove the controller box right cover 1 and 2. (Connecting the Connectors between the Roll

Holders and Machine)

2. Remove the controller box cooling fan [A] with the bracket.



3. Remove the PSU 24V [A].

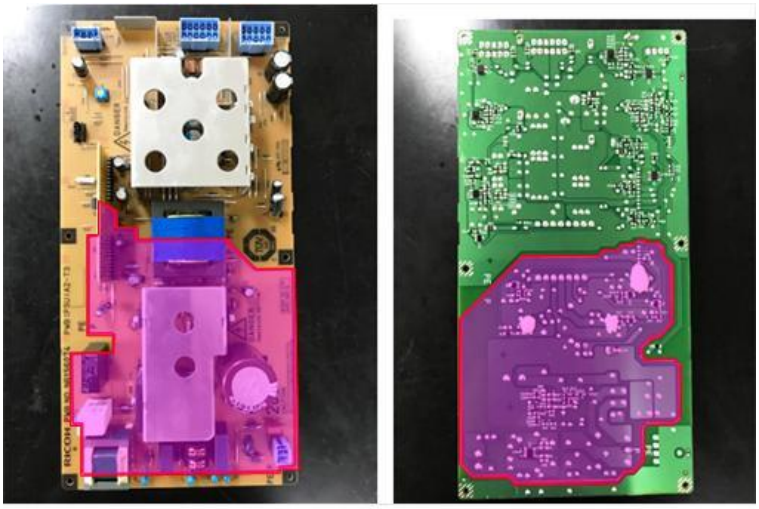


PSU 5V(Power Supply Unit)

⚠CAUTION

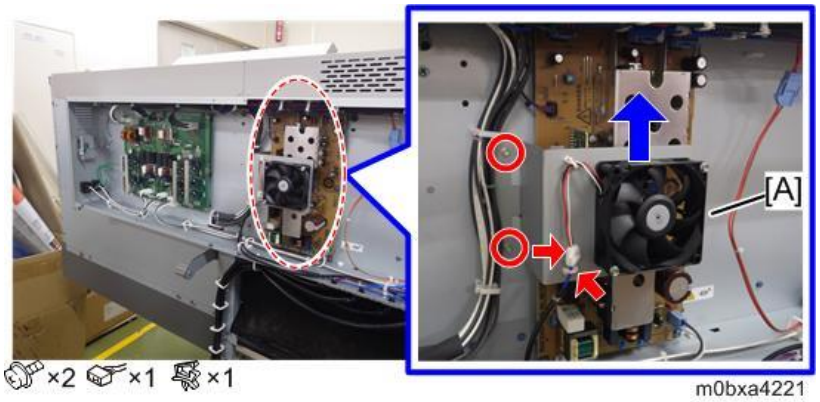
- Unplug the power plug, and then wait for four minutes before starting replacement. Otherwise it may cause an electrical shock.
- After unplugging, remove the cover of the ACD side first.
- Do not touch solder and electronic parts on the PSU after removing it, because electric charge is left in the inside the PSU even if it has been removed. After removing the PSU, do not put it

on a conductive object such as one made from metal.



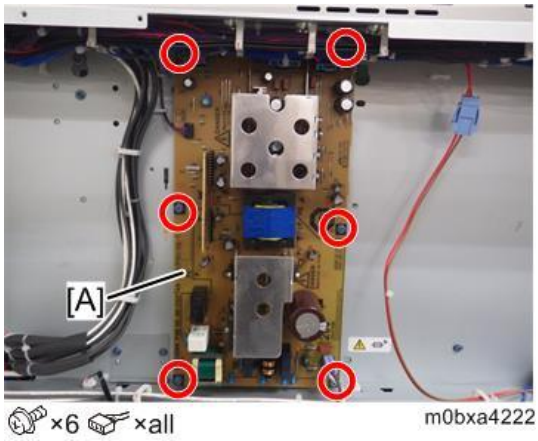
m0b2d4873

1. Remove the controller box right cover 1-3. (Connecting the Connectors between the Roll Holders and Machine)
2. Remove the controller box cooling fan [A] with the bracket.



m0bxa4221

3. Remove the PSU 5V [A].

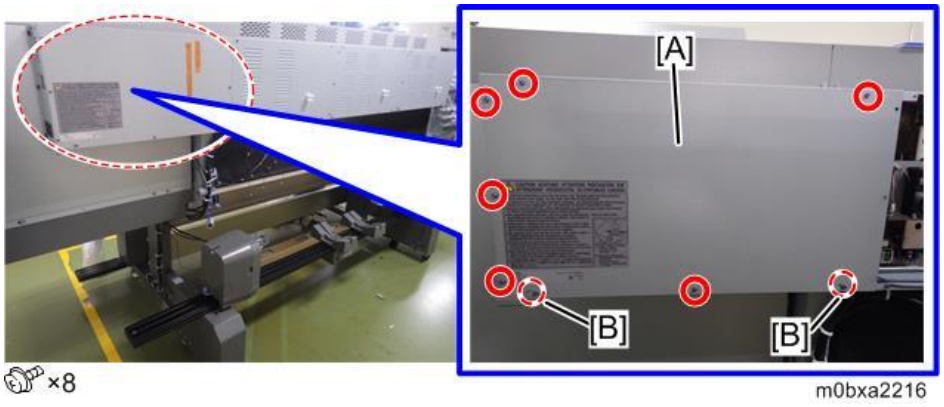


m0bxa4222

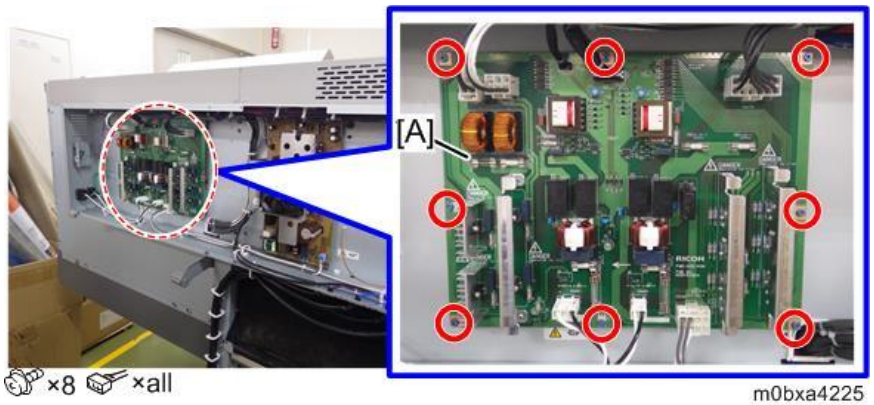
ACD (AC Drive)

1. Remove the controller box left cover [A].

When removing the controller box left cover, loosen the screws [B].



2. Remove the ACD [A].

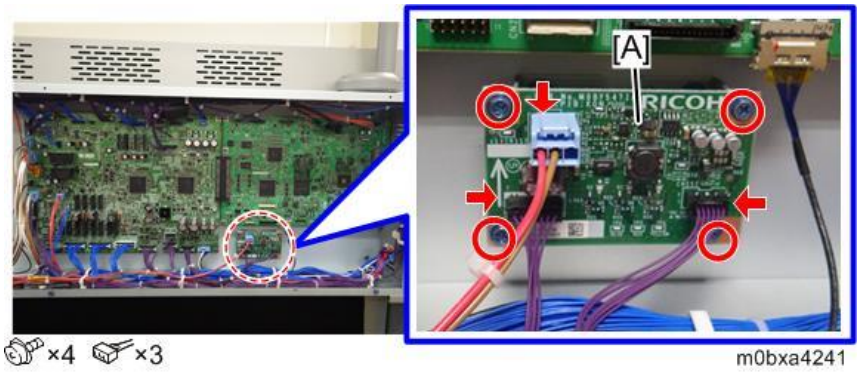


Option

PIB (Attention Light Control Board)

1. Remove the controller box right cover 1. (Connecting the Connectors between the Roll Holders and Machine)

2. Remove the PIB (Attention Light Control Board) [A].



Adjustment Items

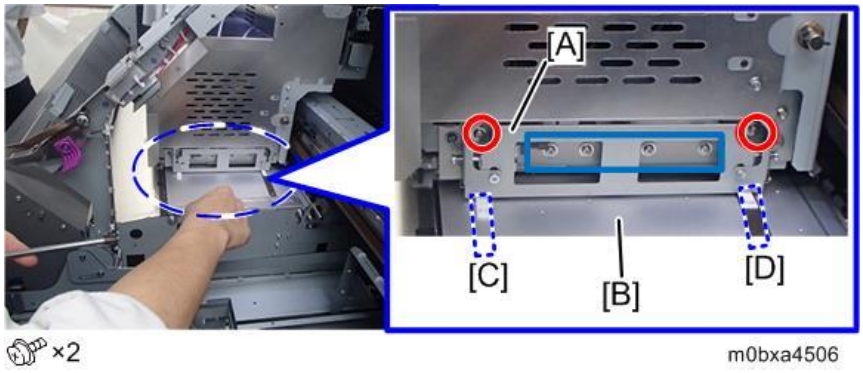
Jam Detection Feeler Height Adjustment

Before You Begin

- Remove any media from the platen.
- Select [Default] in [Head Height] in the [Standard Procedure] on the operation panel.
- Lower the media holding lever.
- Before adjusting, turn the main power off.

Adjustment Procedure

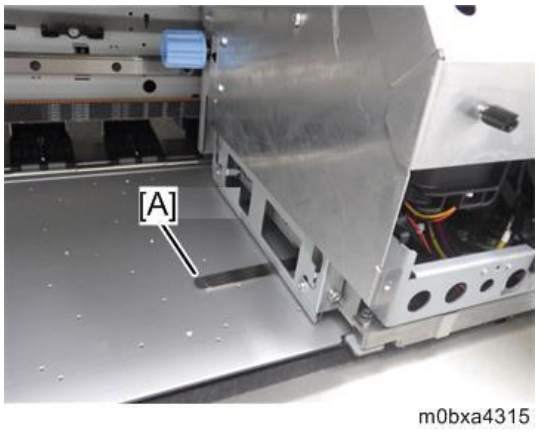
1. Decap the carriage unit, and move the carriage unit to the center of the main unit. (Moving Away the Carriage Unit)
2. Insert the gap gauges (1.8 mm (approx. 0.071 inch)) [C] and [D] between the jam detection feeler [A] and the platen [B].
3. Loosen the screws shown in red circle, and then adjust the height of the jam detection feeler.
   The pictures below show the right side of the platen.



Note

Do not remove or loosen the four screws shown in the blue rectangle.

4. Measure the distance between the platen and the lower end of the jam detection feeler at the three points of the platen (right edge, middle, left edge) to make sure that they are 1.6 mm or larger (approx. 0.071 inch or larger).
   Put the gap gauge (1.6 mm) [A] on the platen, pass the carriage above the gap gauge, and then check if the gap gauge is out of position.



5. Adjust the jam detection feeler on the left side of the platen.

Carriage Unit Rolling Direction Adjustment

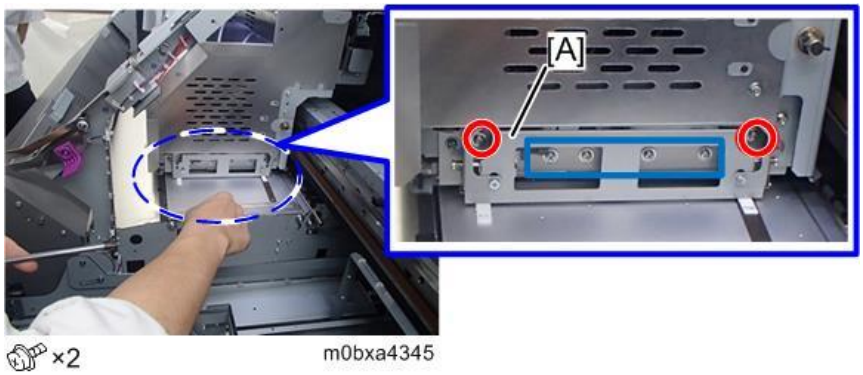
Before You Begin

- Remove any media from the platen.
- Select [Default] in [Head Height] in the [Standard Procedure] on the operation panel.
- Lower the media holding lever.
- Before adjusting, turn the main power off.

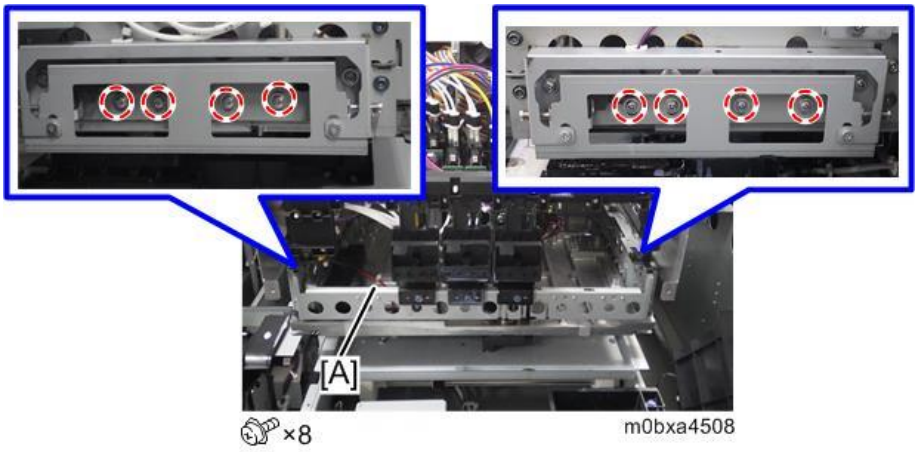
Adjustment Procedure

1. Decap the carriage unit. (Moving Away the Carriage Unit)

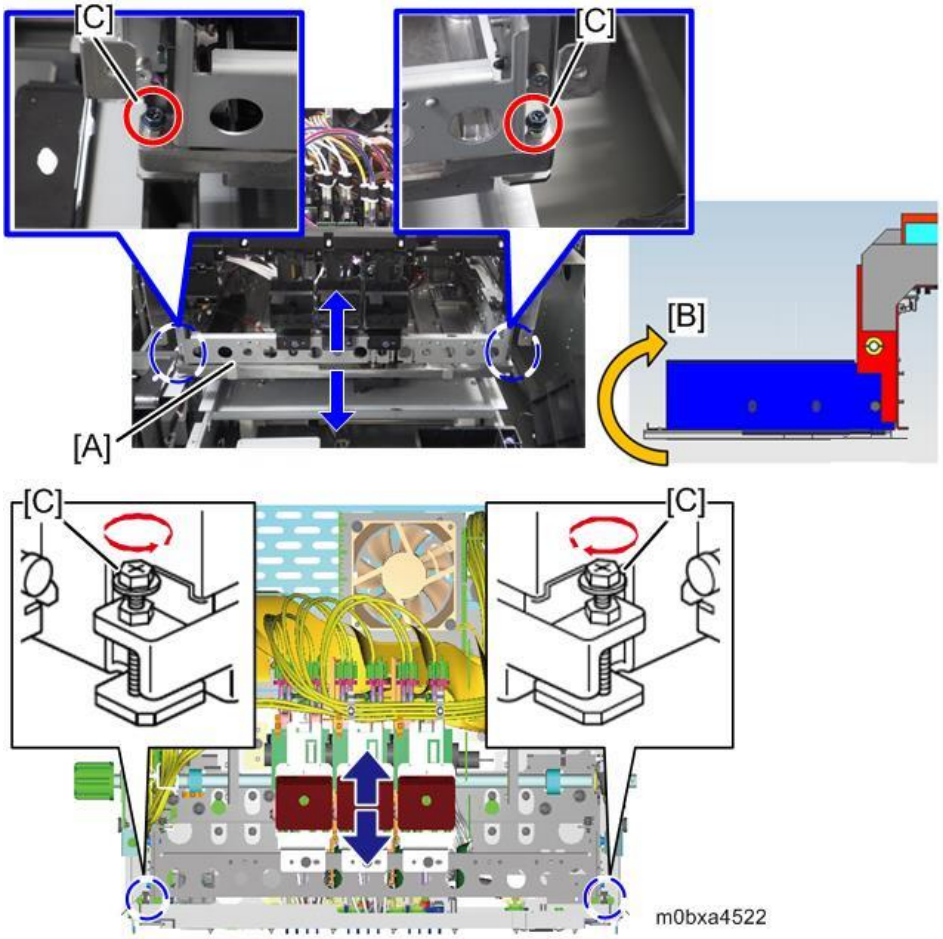
2. Loosen the two screws, and then move the left and right jam detection feelers to the highest position.



3. Loosen the screws of the carriage unit [A].

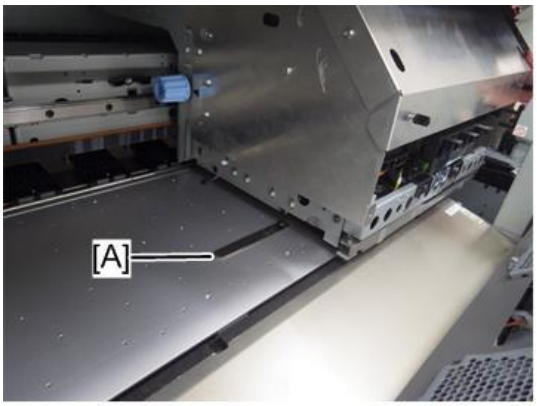


4. Rotate the left and right screws [C] to move the carriage unit [A] in the rolling direction [B].
One rotation of the screw clockwise lifts the carriage unit by 0.5 mm (approx. 0.020 inch).
One rotation of the screw counterclockwise lowers the carriage unit by 0.5 mm (approx. 0.020 inch).



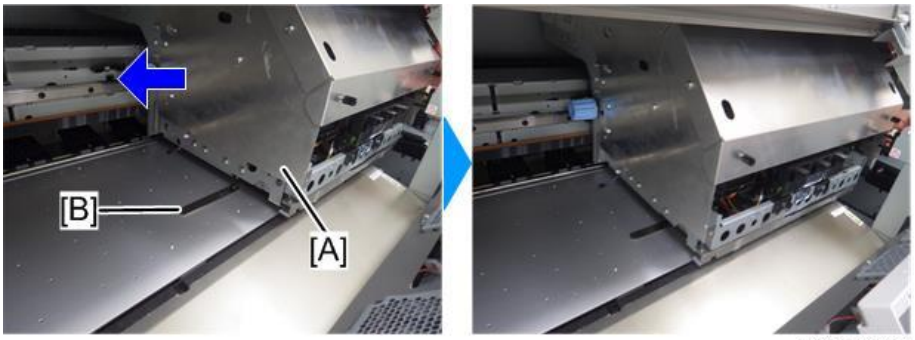
5. Measure the distance between the platen and the surface of each head nozzle at the three points of the platen (right edge, middle, left edge) to make sure that they are within the extent of 1.8 ± 0.2 mm (approx. 0.071 ± 0.008 inch).

1. Place the gap gauge (1.8 mm (approx. 0.071 inch)) [A] on the platen.



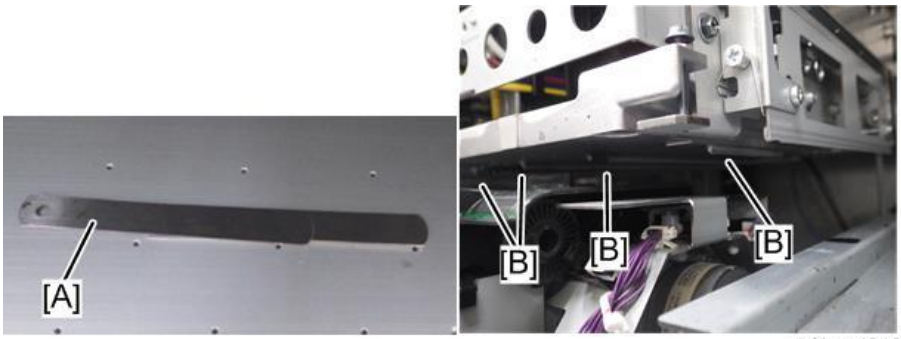
m0bxa4311

2. Move the carriage to the center of the platen to pass the carriage above the gap gauge.



m0bxa4312

3. Check if the gap gauge [A] is out of position. If the gap between the platen and the carriage is narrow, projections [B] on the bottom of the carriage hit the gap gauge and the gap gauge moves.



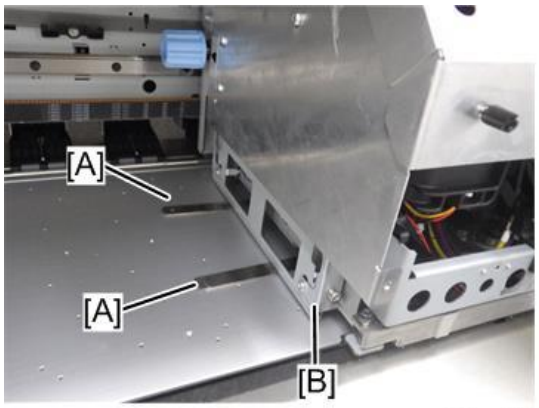
m0bxa4313

4. Place the gap gauge (1.9 mm (approx. 0.075 inch)), and slide the carriage. Make sure that the gauge is shifted from the original position.

6. After adjusting, tighten the screws loosened in step 3.

7. Put the two gap gauges [A] on the front side and rear side of the platen, lower the jam detection

feeler [B] above the gap gauge, and then tighten the screws to fix it.



m0bxa4314

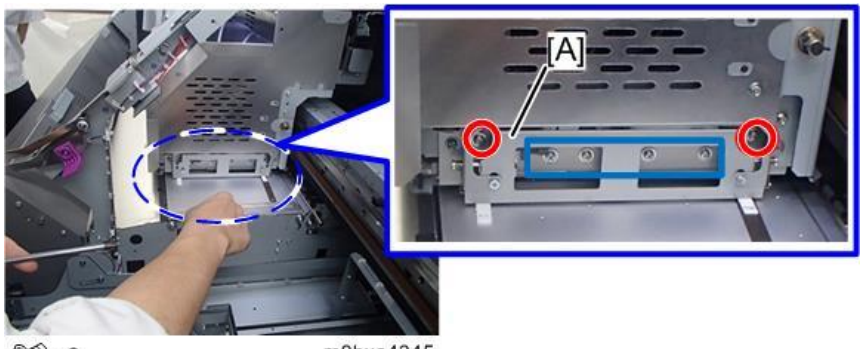
Print Head Height Adjustment

Before You Begin

- Remove any media from the platen.
- Select [Default] in [Head Height] in the [Standard Procedure] on the operation panel.
- Lower the media holding lever.
- Before adjusting, turn the main power off.

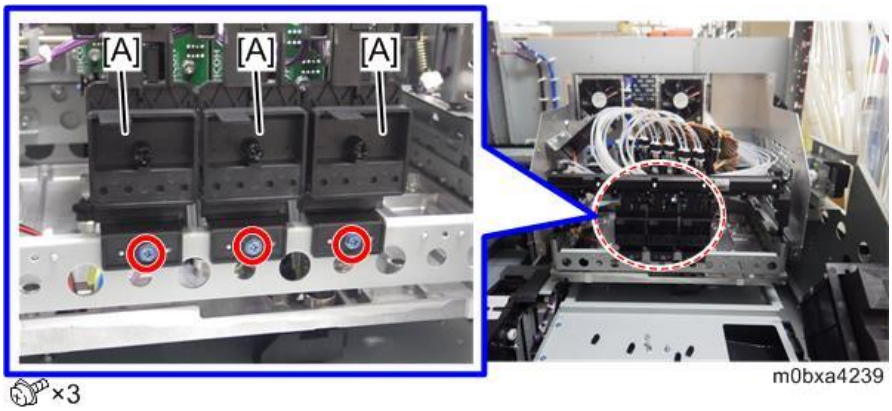
Adjustment Procedure

1. Decap the carriage unit. (Moving Away the Carriage Unit)
2. Loosen the two screws, and then move the left and right jam detection feelers to the highest position.

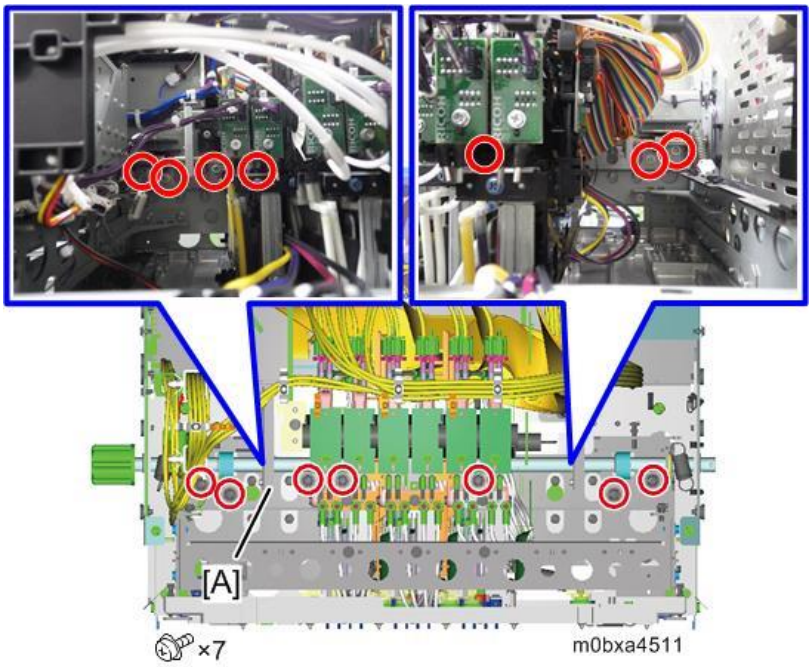


×2 m0bxa4345

3. Remove the port brackets [A] for air purging.



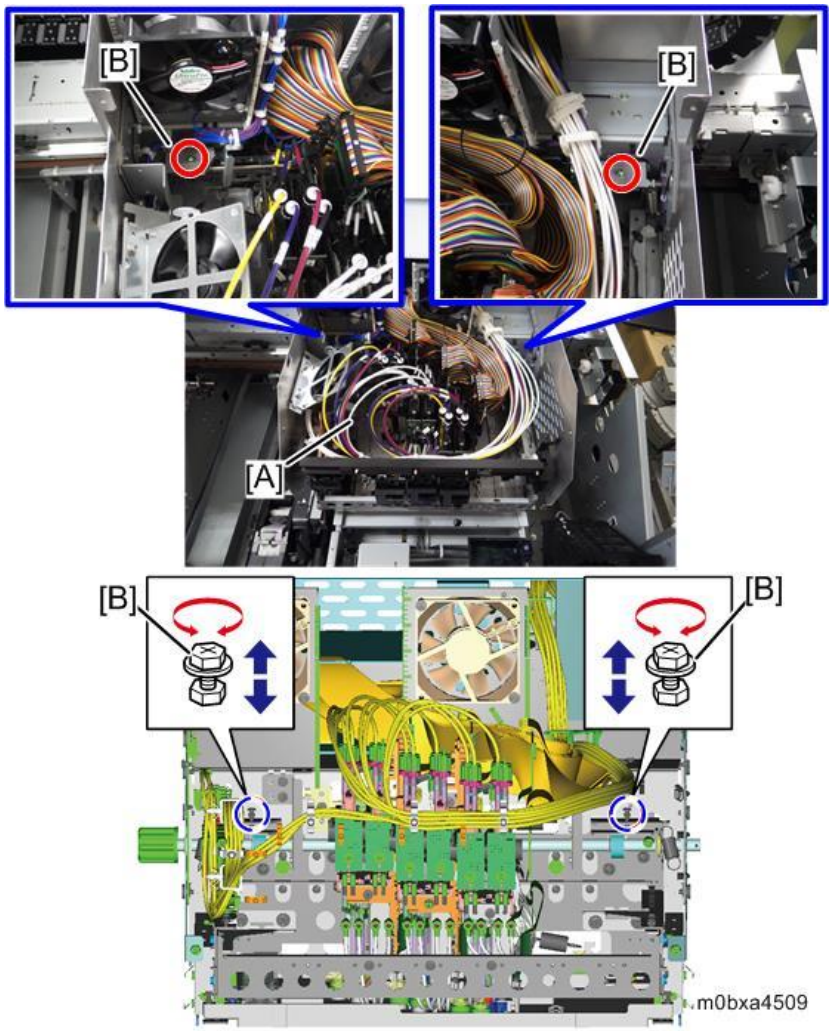
4. Loosen the seven fixing screws on the guide [A] of the rear side of the carriage unit.



5. Rotate the left and right screws [B] to adjust the height of the print heads of the carriage unit [A].

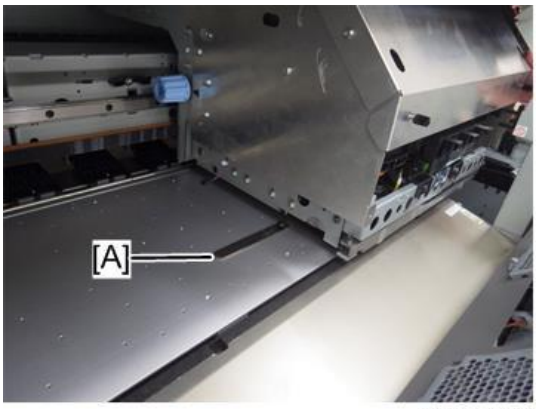
One rotation of the screw clockwise lifts the print head by 0.9 mm (approx. 0.035 inch).

One rotation of the screw counterclockwise lowers the print head by 0.9 mm (approx. 0.035 inch).

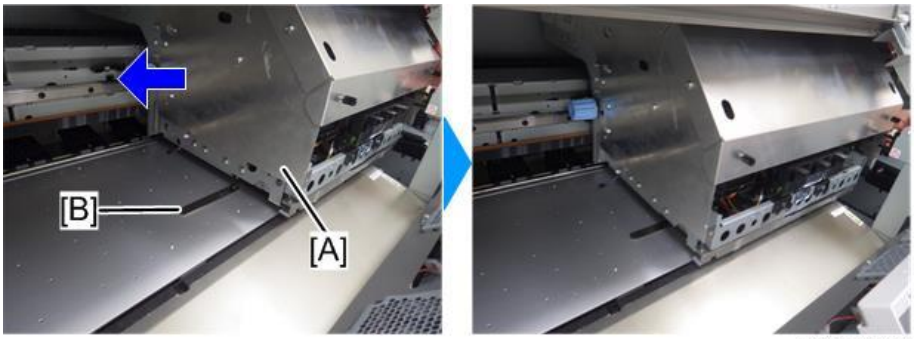


6. Measure the distance between the platen and the surface of each head nozzle at the three points of the platen (right edge, middle, left edge) to make sure that they are within the extent of 1.8 ± 0.2 mm (approx. 0.071 ± 0.008 inch).

1. Put the gap gauge (1.8 mm (approx. 0.071 inch)) [A] on the platen.



2. Move the carriage to the center of the platen to pass the carriage above the gap gauge.

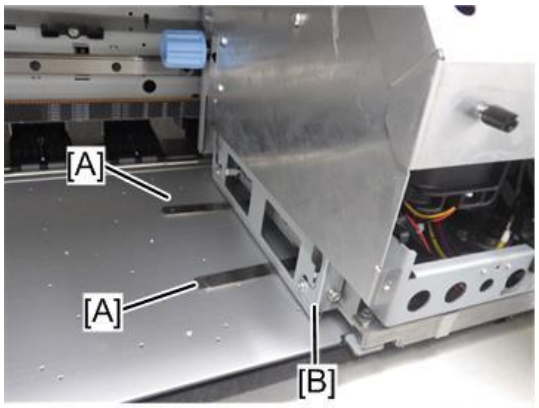


m0bxa4312

3. Check if the gap gauge is out of position.
4. Place the gap gauge (1.9 mm (approx. 0.075 inch)), and slide the carriage. Make sure that the gauge is shifted from the original position.

7. After adjusting, tighten the screws loosened in step 4.

8. Put the two gap gauges [A] on the front side and rear side of the platen, lower the jam detection feeler [B] above the gap gauge, and then tighten the screws to fix it.



m0bxa4314

4. System Maintenance Reference

Service Program Mode Tables

See "Appendices" for the following information:

- SP Group 1000
- SP Group 2000
- SP Group 3000
- SP Group 4000
- SP Group 5000
- SP Group 6000
- SP Group 7000
- SP Group 8000
- Input and Output Check

Firmware Update (SD card)

Overview

In order to update the firmware of this machine, it is necessary to download the latest version of firmware to an SD card.

Important

An SD card is a precision device, so when you handle an SD card, respect the following.

- When the power is switched ON, do not insert or remove a card.
- During installation, do not switch the power OFF.
- Since the card is manufactured to high precision, do not store it in a hot or humid location, or in direct sunlight.
- Do not bend the card, scratch it, or give it a strong shock.
- Before downloading firmware to an SD card, make sure that write-protection of the SD card is canceled. If write-protection is enabled, an error code (error code 44, etc.) will be displayed during download, and the download will fail.
- Before updating firmware, remove the network cable from the machine.

Types of firmware update files, supported update methods:

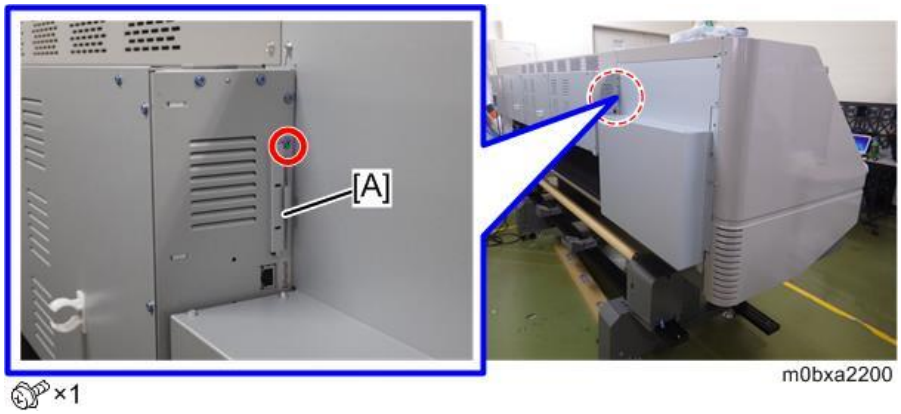
	SFU	SD Card	RFU	ARFU
Controller	N/A	Available	N/A	N/A
Engine	N/A	Available	N/A	N/A
Drive Waveform	N/A	Available	N/A	N/A

Update Procedure

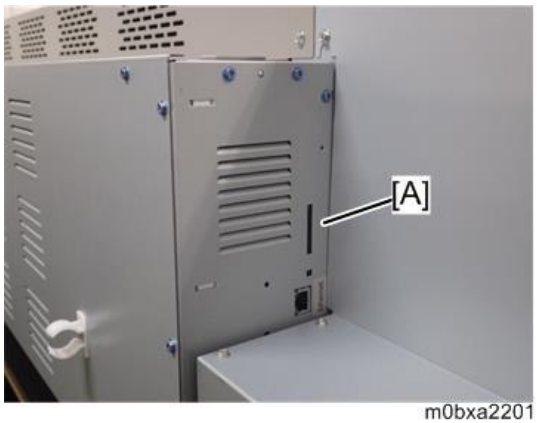
1. First download the new firmware to the SD card.

   Note

   Make a "romdata" directory under the SD card and install ".fwu" file in the directory.
2. Turn the main power switch OFF.
3. Remove the SD slot cover [A].



4. Insert the SD card in the SD card Slot [A].



m0bxa2201

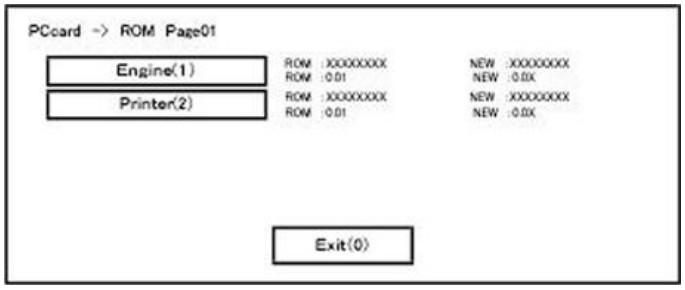
Note

- Check whether the card is properly in the SD card slot. When a SD card is inserted, a click is heard, and it is locked.
- To remove the card, release by pressing once.

5. When updating the drive waveform, keep the middle cover open.
If you update other firmware, go to step 6 with the middle cover closed.

6. Turn ON the main power.
Wait until the update screen starts (about 45 seconds).
RICOH logo screen appears and the message that ROM update is preparing is displayed.

7. Check whether a program installation screen is displayed (English display). When the SD card contains two or more software modules, they are displayed as follows.



When two or more software names are displayed

Choose the appropriate module. (If already selected, cancel the selection.)

Display contents

On the above screen, two programs, i.e., engine firmware and printer application are displayed.
(The screen may change depending on the firmware or application).
The display contents are as follows:

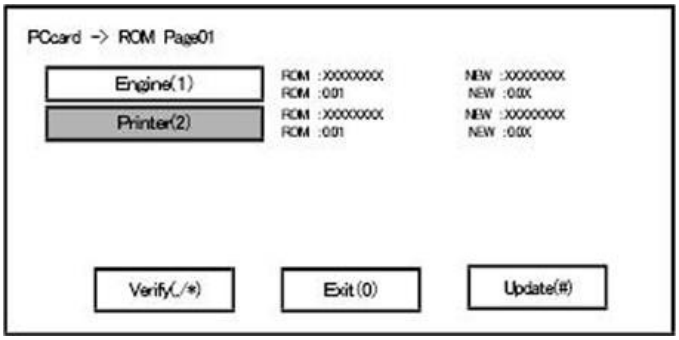
Display	Contents
ROM:	Display installed module number / version information.
NEW:	Display module number / version information in the card.

The upper row corresponds to the module number, the lower row corresponds to the version name.

8. Select the module. [Update] are displayed.

Note

- Depending on the combination of modules to update, it may not be possible to select all of them simultaneously.

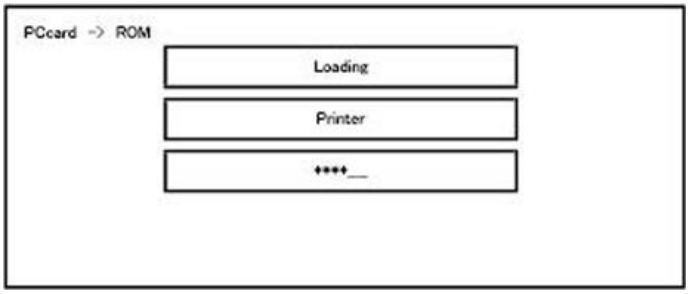


Key or button operations

Keys or buttons to press	Contents
[Update]	Update the ROM of the selected module.

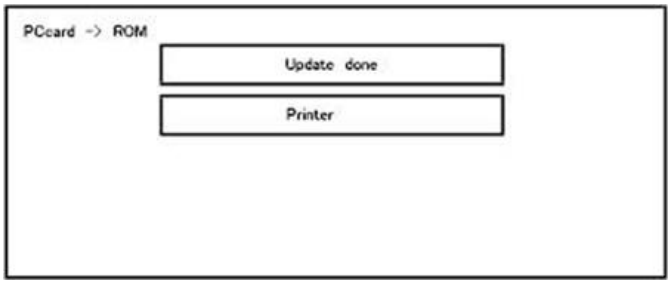
9. Press the [Update], and perform the software update.

10. During firmware update, a "firmware update/ verification progress screen" is displayed. When firmware update is complete, a "firmware update end screen" is displayed.



- In the middle row, the name of the module currently being updated is displayed. (in this case, the printer module is being updated)
- In the lower row, a progress bar is displayed in ten steps. (The more *, the more the progress.)

Firmware update end screen.



- This screen is displayed when all selected firmware modules are to be updated. "Printer" in the second row shows that the module updated last is the printer. (When more than one were updated simultaneously, only the module that was updated last is displayed.)
- When Verify has completed normally, the Update done display of the above screen is "Verify done." If "Verify Error" is displayed, reinstall the software of the application displayed in the lower row.

11. After turning the main power OFF, remove the SD card.

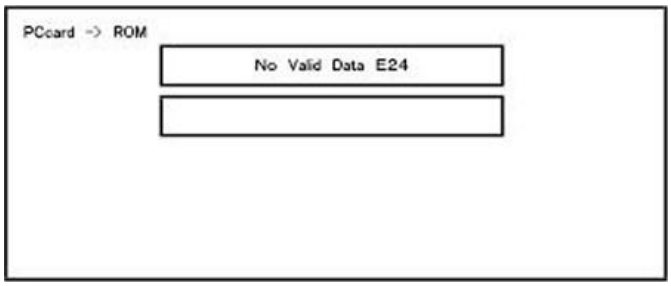
12. Turn the main power ON again, and check whether the machine is operating normally and the version is updated.

13. Return the SD card slot cover to the original position.

Note

- When the power supply is switched OFF during firmware update, update is interrupted, and the power is switched ON again, normal operation cannot be guaranteed.
- To guarantee operation, an update error continues to be displayed until update is successful.
- In this case, insert the SD card again, switch the power ON, and continue download of firmware from the SD card automatically.

Error Screens during Updating



EXX shows an error code.

For error codes, refer to the following table:

Error Code List

Code	Contents	Solutions
20	Physical address mapping cannot be performed.	• Switch the main power supply off and on to try again. • Re-insert the SD card to reboot it. • Replace the controller board if the above solutions do not solve the problem.
21	Insufficient memory for the download	• Switch the main power supply off and on to try again. • Replace the controller board if the updating cannot be done by switching the power off and on.
22	Decompression of compressed data failed.	• Switch the main power supply off and on to try again. • Replace the SD card used for the update. • Replace the controller board if the above solutions do not solve the problem.
24	SD card access error	• Re-insert the SD card.

Code	Contents	Solutions
		• Switch the main power supply off and on to try again. • Replace the SD card used for the update. • Replace the controller board if the above solutions do not solve the problem.
32	The SD card used after download suspension is incorrect. SD cards are different between the one which was inserted before power interruption and the one which was inserted after power interruption.	• Insert the SD card containing the same program as when the firmware update was suspended, and then switch the main power supply off and on to try again. • There is a possibility that the SD card is damaged if the update cannot be done after the correct SD card has been inserted. In this case, try again with a different SD card. • Replace the controller board if the above solutions do not solve the problem. Replace all relevant boards if the update is done for the BICU. Replace the operation panel unit if the update is done for the operation panel. • After replacing the operation panel, do the firmware update using the same SD card. If the update is complete, the SC shown on the display will disappear.
33	Card version error. The wrong card version is downloaded.	• Install the correct ROM update data for each version in the SD card.
34	Destination error. A card for the wrong destination is inserted.	• Install the correct ROM update data for each destination (JPN/ EXP/ OEM) in the SD card.
35	Model error. A card for the wrong model is inserted.	• Install the correct ROM update data for each model in the SD card.
36	Module error. The program to be downloaded does not exist on the main unit. The download destination specified by the card does not match up to the destination for the main unit's	• Install the program to be updated in advance. • There is a possibility that the SD card containing the program to be updated has not been mounted. Check to confirm that the SD card has been correctly mounted. • The SD card is incorrect if the program to be

Code	Contents	Solutions
	program.	updated has been correctly installed. In this case, insert the correct SC card.
40	Engine download fails.	• Switch the main power supply off and on to try again. • If the download fails again (for drive waveform update), turn the power off, and then decap manually. Move the carriage about 10 mm, remove it to the capping position, and then do capping. Turn the power on, and then retry. • If the download fails consecutively four times, replace the controller board. • After replacing the controller board, do the firmware update using the same SD card. If the update is complete, the SC shown on the display will disappear.
44	The data to be overwritten cannot be accessed when controller-related programs are downloaded.	• Switch the main power supply off and on to try again. • Install the correct ROM update data in the SD card. • Replace the controller board if the data to be overwritten is contained on the controller board.
49	Firmware updates are currently prohibited.	• The setting of Update Firmware in the Administrator Tools has been set to [Prohibit] by an administrator. Amend the setting to [Do not Prohibit] and try again.
50	The results of the electronic authorization check have rejected the update data.	• Install the correct ROM update data in the SD card.
70	Package firmware download from the network fails.	• Check that the network is connected correctly.

Note

- The PDF firmware installed as standard contains the program required to print PS3 data by default. However, this PS3 program is normally disabled.
- The PS3 firmware is a dongle (key) which enables PS3 data printing functions. When the PS3 firmware is installed, the PS3 program in the PDF firmware is enabled. Due to this specification, the self-diagnosis result report shows the ROM part number/software version of the PDF firmware contained in the PS3 program.

Firmware Update for Colorimetric Sensor

Firmware Update for Colorimetric Sensor

To update the colorimetric sensor firmware, do the following:

- Main Firmware Update
- Update the parameter stored in the Memory.

Before You Begin

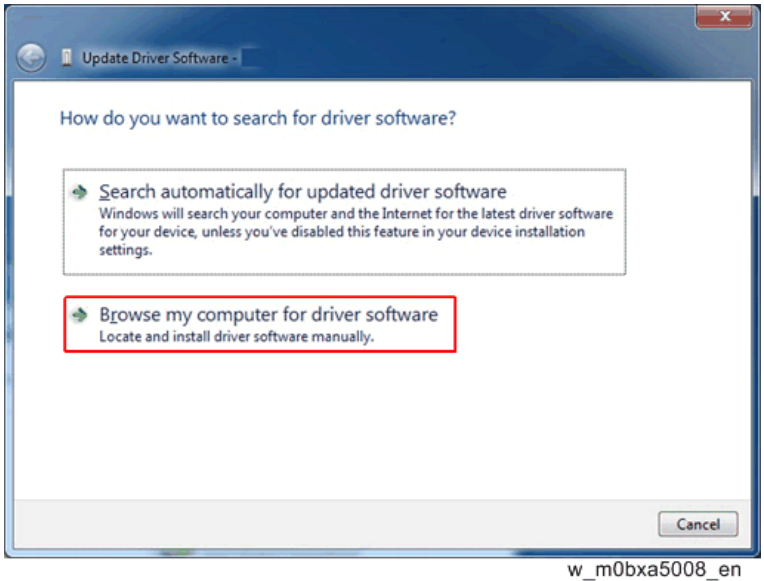
When updating the colorimetric sensor, it is necessary to install the USB driver manually.
(If the operation system is windows 10, installation is done automatically.)

1. When connecting the colorimetric sensor to the PC first, an error message that the driver has not been installed is displayed on the monitor.
2. Open the device manager, and check the driver device that you failed to install.
   A warning mark is displayed at the head of the driver device.
3. Right-click the device with the warning mark , and select “Update Driver Software…” from the menu.



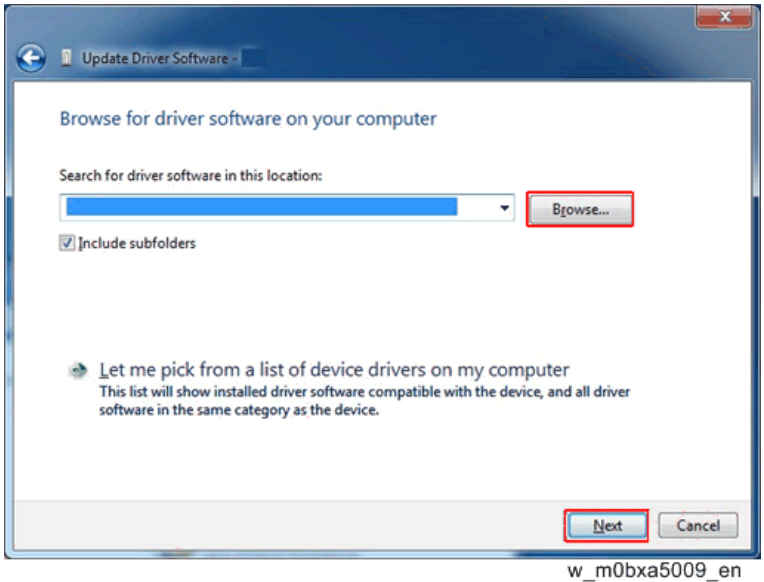
w_m0bxa5007_en

4. When “Update Driver Software” dialog appears, click the “Browse my computer for driver software”.



w_m0bxa5008_en

5. Click “Browse…”, and then select the folder storing “WinVistaCom.inf” of the colorimetric sensor.
6. After selecting the folder, click “Next”.

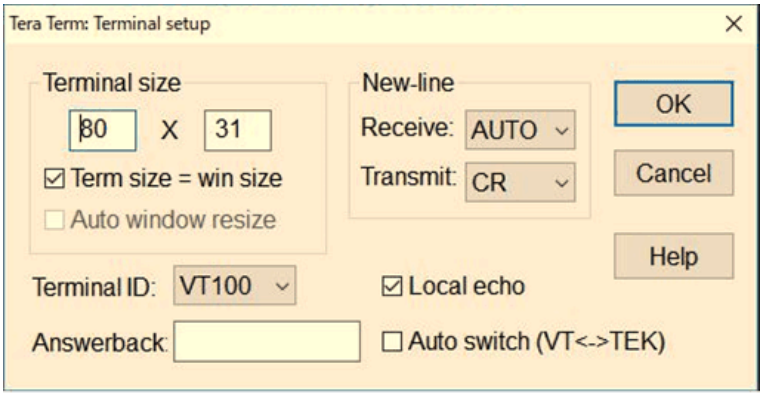


w_m0bxa5009_en

7. If the warning that Windows can't verify the publisher of this driver software appears during installation, select “install this driver software anyway”.

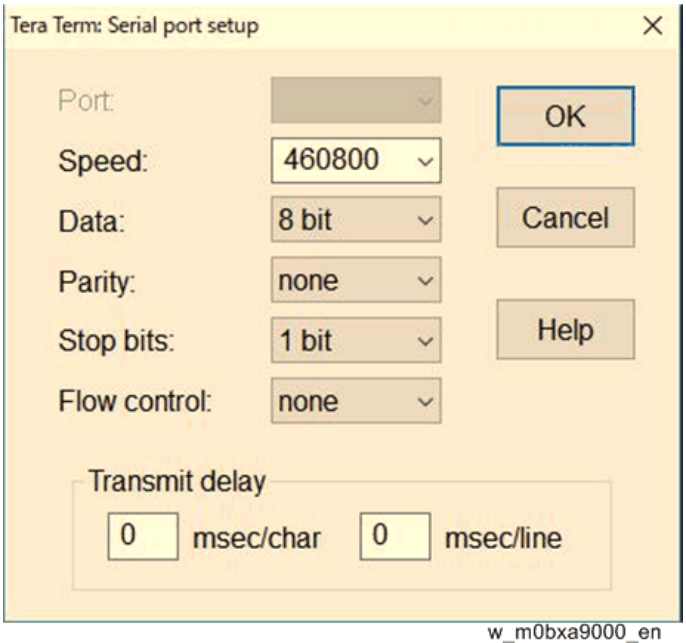
8. Set the communication settings of TeraTerm as shown below.

- Terminal Setup



w_m0bxa9001_en

- Serial port setup



w_m0bxa9000_en

Note

Updating the firmware of the colorimetric sensor takes time from several tens of seconds to several minutes. If updating is failed or too much time is needed, check the communication settings again.

Removing the Colorimetric Sensor

Refer to "Colorimetric Sensor".

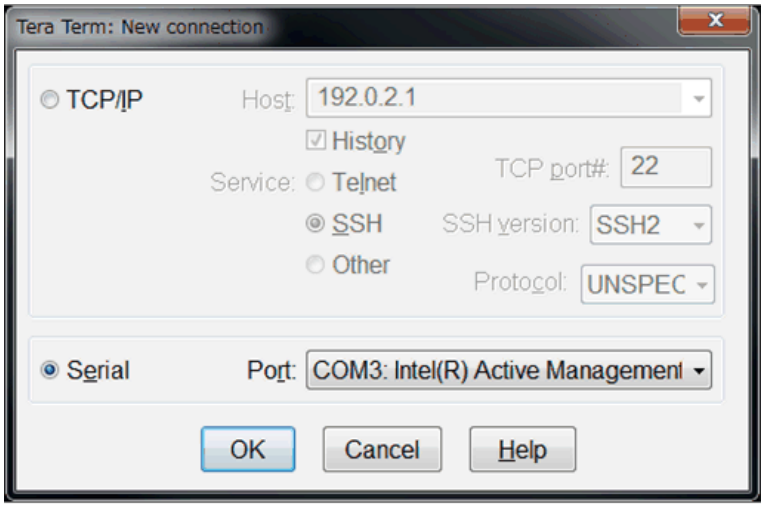
Main Firmware Update

1. Connect the USB connector of the colorimetric sensor to the PC.
   The LED light color changes from white (initialization) to blue (normal operation) and blinks.


m0bxa5001

2. Start up “ttermpro.lnk” in the USB, and then connect the USB I/F port of the colorimetric sensor.
3. Select [File] - [New connection…] on the menu bar.

4. Select [COMx: UQUEST Serial Converter(COMx)] in [Serial].



m0bxa5002

5. Input “VER” in Teraterm, and then confirm that the version is “Ver0.XX” before update. Capital letters and small letters are available for input.

Note

If there is no response from Teraterm, reconnect the USB to the PC, and then do the procedure from step 1.

6. Select [Control] - [Macro] in Teraterm, and then execute “Julia_Update.ttl”.
Executing “Julia_Update.ttl” opens the pop-up window for selecting a file.
Select “JULIA_main_rom[Ver0.XX].bin” in the window.

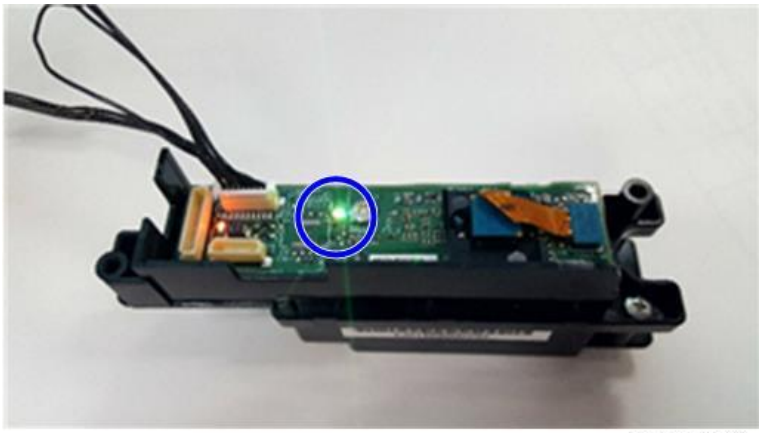
7. Following the instructions on the pop-up window of the macro, disconnect and connect the USB terminal, and turn the sensor off and on.

8. Click [OK] after the connection is established as shown below.



m0bxa5004

Then, the firmware update mode is started. The LED light color changes to yellow.

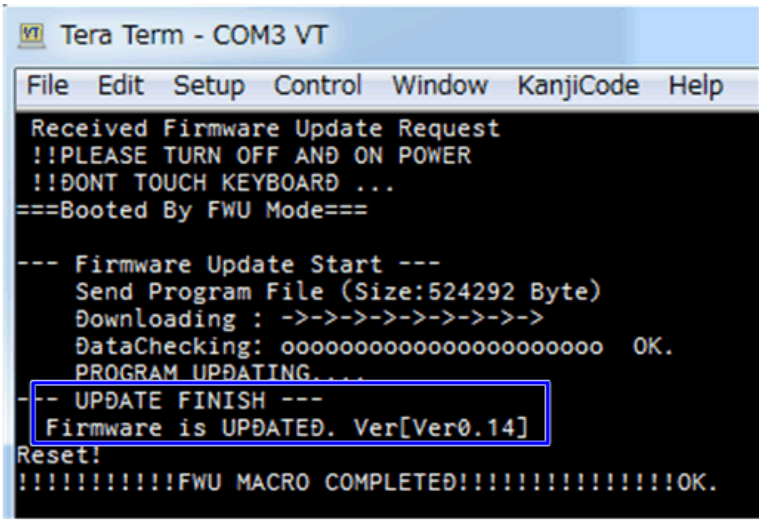


m0bxa5003

9. Check the message [Firmware is UPDATED.]. Confirm that “Ver0.XX” is shown as version information.

Confirm that the LED light color changes from yellow to blue and blinks.

Screen Example:



m0bxa5005

10. Update the parameter stored in the memory. (Updating the Parameter Stored in the Memory)

The update is failed if the following errors occur. Disconnect and connect the USB terminal, and then repeat the procedure from step 1.

- The following message is shown on the screen.
  [--- UPDATE ABORT!!! ---]
  [UPDATE ABORTED]
  [TIME OUT]
- The screen keeps to show the message [Downloading : ->->->->->->->->->->].
- The message [FWU MACRO COMPLITE] is not shown on the screen and Teraterm freezes for one minute or more.

Updating by inputting the command manually when updating using the macro fails.

1. Click [Setup] - [Terminal] on the upper section of the window, and then set “Local echo” to OFF.

2. Input [fwu 2] command. Then the LED light blinks in blue color.

3. Disconnect and connect the USB terminal and turn the power OFF/ON. Then the LED light color changes to yellow.
4. Select [File] - [Send file] on the menu bar.
5. Put a check mark on “Binary”.
6. Select “JULIA_main_rom[Ver0.XX].bin”.
7. The file is sent and the update starts.
8. After update is completed, disconnect and connect the USB terminal, and then turn the power OFF/ON.

Note

Writing to USB memory is completed when LED light blinks in blue color. If the LED light color does not change from yellow, turn the power OFF/ON, and then repeat the procedure from step 1.

Updating the Parameter Stored in the Memory

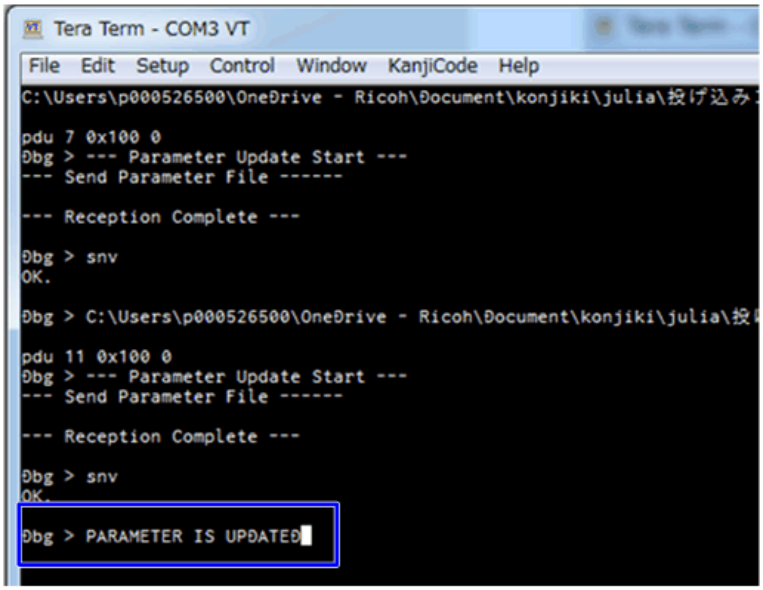
After the main firmware update, it is necessary to rewrite the parameter in the following files.
The file for parameter update and the macro file are stored in the [Parameter] folder.

1. Before executing Macro, disconnect and connect the USB terminal, and then turn the power OFF/ON.

Note

After firmware update, some PC execute self-reset. Self-reset may break the connection between PC and the USB. If the problem occurs, turn the power OFF/ON to reconnect the USB.

2. Select [Control] - [Macro] on the menu bar, and then select the file “pdu_0.XX.ttl” in [Parameter] folder.
   “PARAMETER IS UPDATED” is shown on the screen when the update is completed.
   Screen Example:



m0bxa5006

Reattaching and Adjusting the Colorimetric Sensor

After firmware update, attach the colorimetric sensor in reverse procedure performed when removing the sensor. (Colorimetric Sensor)

SP5-921-001 must be performed after removing and reattaching the colorimetric sensor.

Set the media to the machine, and then execute SP5-921-001 (Colorimetric Sensor Read Position).

Check the following:

- The colorimetric sensor operates correctly.
- The communication harness is connected correctly.

Note

If it is difficult to perform printing at the time, only check if the communication harness of the colorimetric sensor is disconnected.

When working without removal of the colorimetric sensor, you don't have to execute SP5-921-001.

Capturing the Debug Logs by Log Trace

Function of Log Trace

Overview

With this feature, you can save device logs that are stored in the flash memory or the SD card. If an operation error like SC or jam caused by the software occurs, you should retrieve the device logs that have stored in the machine so that the analysis of the device logs will be performed smoothly. (There is no need to wait until the problem reappears. You can do the work timely.)
There are two types of retrieving the device log.
you can retrieve the device log stored in the machine by using SD card slot when an error occurs.
you can retrieve the device log continuously by installing the option SD card slot to the machine.

Important

- Analysis of the device log is effective for problems caused by the software. Analysis of the device log is not valid for the selection of defective parts or problems caused by hardware.

Types of device logs that can be retrieved

Retrieving the device logs saved in the machine

Type	Storage Timing	Destination (maximum storage capacity)
Controller debug log (including operation log)	• Saved at all times	eMMC of the GAU (1,480 MB/about one week;Operation day: 5 days/ No print: 2days) When the data gets over 1,480 MB, the older data is deleted.
Engine debug log	• When an engine SC occurs (communication system and reset system are excluded) • When paper feeding/output stops because of a jam • When the front cover opens (if you close the cover, retrieving the log are stopped) • When the media holding lever is raised. (if you lower the lever, retrieving the log are stopped) • When the cartridge is unlocked (One or more white ink cartridges are unlocked. For cyan, magenta, yellow, and black ink cartridges, all the same color ink cartridges are unlocked.) (if you	eMMC of the GAU (700K multiplied by 300 times (maximum) is 205 MB/about 30 days) When the data is output over 300 times, the older data is deleted. When the file size reaches the maximum size, the older data is deleted.

Type	Storage Timing	Destination (maximum storage capacity)
	lock the lever, retrieving the log are stopped) • When pre-heater cover opens (if you close the cover, retrieving the log are stopped) • When the roll holder opens (if you close the cover, retrieving the log are stopped) • Supply end (One or more white ink cartridges have run out of ink. For cyan, magenta, yellow, and black ink cartridges, all the same color ink cartridges have run out of ink.) • Power is turned off	

Note

Saving is automatically performed when SC or jams occur. Therefore, no advance preparation is required and an after-the-fact log can be acquired. However, the log does not provide information on errors other than SC and jams, nor does it provide information on SC/jams which occurred more than 10 pages previously. In such cases, it is necessary to acquire a log using the Service Slot Board (Service Option) method.

Retrieving the Device Logs Continuously when the Service Slot Board (Option) is Installed

You can store the following device logs continuously by installing the service slot board.

Type	Save Timing	Maximum Capture Period	Use
SDCU (for engine)	A log is continuously saved when an SD card is inserted.	Approx.800 days for an 8GB SD card (assuming about 10MB of use per day)	The normal log (The log that captured by the log command.) The flown log (The log that displayed on the monitor)
SDCU (for engine)	A log is continuously saved when an SD card is inserted.	Approx.22 days for a 32GB SD card (assuming about 1.4GB of use per day)	Information about motor control

Note

It is necessary to install a Service Slot Board in the machine in advance and to insert an SD card. When a Service Slot Board is installed, the log is continuously acquired for a long capture period. Therefore, the log provides information on errors other than SC and jams, as well as information on SC/jams for a longer time period.

Procedures for Installing Service Slot Board/Retrieving Device Logs (Procedures for Installing Service Slot Board/Retrieving Device Logs)

Cautions

Device logs are not saved in the following conditions:

- Forced power OFF (by disconnecting the power plug or holding the power switch pressed)
  When forced power OFF occurs, debug logs cannot be saved because the shutdown sequence does not run normally.
- When the machine is shut down while engine debug logs are being saved
  When the machine is shut down while engine debug logs are being saved, the machine stops saving the logs. When this happens, engine debug logs cannot be output to media.
- When too many debug logs are outputted
  When the modules are outputting debug logs faster than the machine can save them, the machine fails to save the debug logs.

The following logs are not saved:

- Debug logs that are output between main power is turned ON and startup of log trace function
  In order to avoid affecting the startup time, the log trace function starts after the prioritized application is displayed. Debug logs outputted immediately after machine startup may not be saved.

Examples of logs that cannot be saved:

- The logs of wake-up operation when the machine failed to resume from engine OFF mode
- Network communication logs
- NRS-related logs
- HTTP session timeout logs
- Security communication logs (see below)

Security of the Operation Log:

- User ID
- Password
- IP address
- Encryption key
- Transition to SP mode

Retrieving the Device Logs Saved in the Machine when an Error Occurred

Important

- Retrieve device logs to identify the date of occurrence of the problems and to find details of the problems
- e.g.: At around 8:00 am on March 10, an engine stall occurred. The operation panel does not respond. Turn the main power supply off / on.
- Retrieve logs of three or more days before the date of occurrence of the problems.
- Analysis of the device log is effective for problems caused by the software. Analysis of the device log is not valid for the selection of defective parts or problems caused by hardware.
- Make sure to shut down and reboot the machine once before retrieving the Debug Logs.

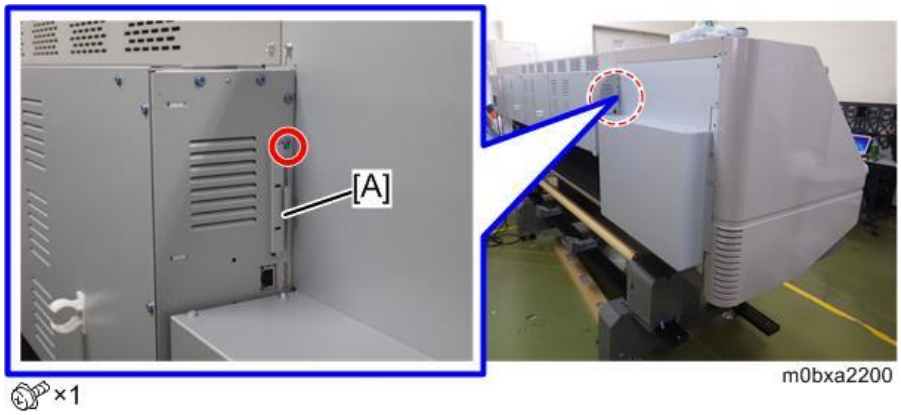
Otherwise, the latest settings may not be collected when the debug logs are retrieved.

How to retrieve logs

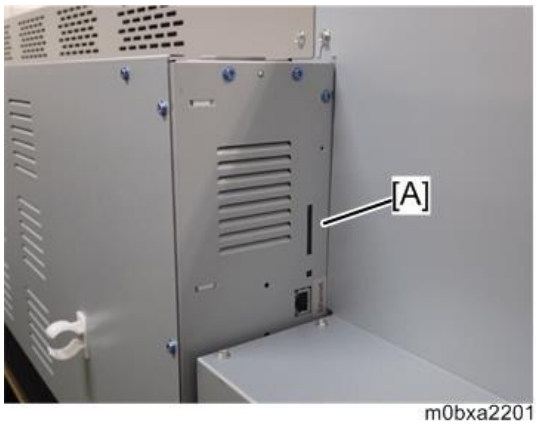
	SD card
Requirements	Use an SD card that is registered as a service part and has 2 GB or more capacity. Insert the SD card in the service slot beforehand.
Procedure	Execute from the SP screen.
Range setting	In SP mode, set the date of occurrence of the problem and the number of days (including the date of occurrence) to retrieve logs from. • Date of occurrence of the problem: 0 to 20371212 (eight-digitnumber in yyyymmdd format. Default: 0) If the inputted number is smaller than 19700101, the SP for retrieval fails. • Number of days (including the date of occurrence) to retrieve logs from: 1 to 180 (default: 2) The specified number of days is applied when retrieving the following device information. • Controller debug logs • Engine debug logs
Device information to be retrieved	The following types of device information are retrieved. • Debug logs that are always saved (controller debug logs including the operation logs) • Engine debug logs
Retrieval result files	• Controller debug logs: /LogTrace/[machine serial number]/watching/[yyyymmdd_hhmmss]_[unique value].gz • Engine debug logs: /LogTrace/[machine serial number]/engine/[yyyymmdd_hhmmss].gz
How to read the retrieved device information	• Debug logs that are always saved: Use a tool for restoration of debug logs that are always saved that is supplied separately. • Engine debug logs: Use a tool which converts them to text data.
When the main power switch is pressed during retrieval	Retrieval continues until the shutdown timer operates. After the timer finishes, the main power turns OFF even if retrieval is in progress and the file to which the retrieved information has been saved will be corrupt.

Procedure for Retrieving the Debug Log with SD Card

1. Remove the SD card slot cover [A].



2. Set the SD card to the SD card slot [A] so that the printed side of the SD card faces the rear side of the main machine.
   Push it into the slot until a click is heard.



Important

- It is recommended to use the SD card (2 GBs* or 8 GBs**) provided as a service part. This is because the log data can be acquired much faster than when using commercially available SD cards.
- Insert the SD card into the machine's service slot instead of the SD slot on the side of the operation panel.
- Do not use the SD card that formatted for forced installation.
- Do not use the SD card which the firmware update file is in.

* The part number of the SD card with 2 GBs that is registered as a service part is "B6455030".

** The part number of the SD card with 8 GBs that is registered as a service part is "B6455040".

3. Turn ON the main power.
   Enter SP mode.
4. Specify the date that the problem occurred in SP5-858-101 (Start Date) by setting it to the year-month-day calendar format.
   - For example, if a problem occurred on February 1, 2015, the date should be set to "20150201".

- Be sure to confirm the date when the problem occurred before obtaining the logs.

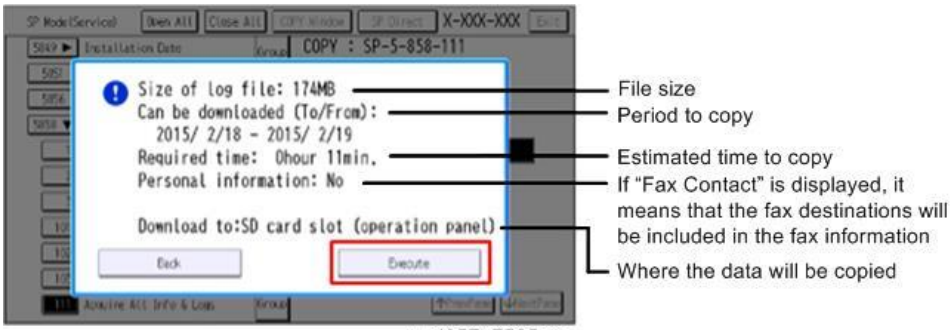
5. Specify the number of days to collect the logs in SP5-858-102 (Days of Tracing).

- A value of "1" to "180" can be set.

6. Execute SP5-858-141 (Acquire All Info & Logs) to copy all of the log types to an SD card.
It is possible to obtain the logs separately by the following SPs.

SP	Collectable Information and/or Logs
SP5-858-142	Controller log
SP5-858-143	Engine log

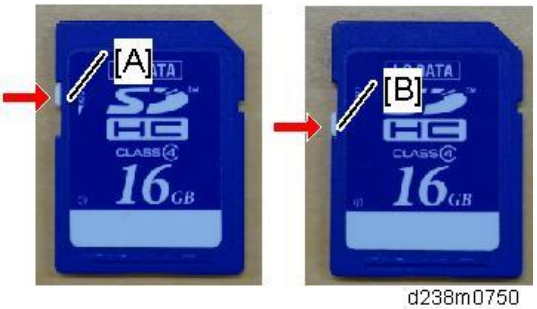
7. After executing the SP for copying the information and/or logs, a confirmation screen will appear.
To proceed with obtaining the information and/or logs, tap "Execute"



w_d257a7525_en

Note

- The approximate time it takes to transfer the debug log is as follows. Transfer time may be affected by the type or format of the SD card.
  Controller device log (GW device log): 2 - 20 minutes
  Engine device log: 2 minutes

Error Code	Description
0	Successful termination
-1	Other.
-2	No SD card is inserted in the service slot. In this case, insert an SD card into either of the SD slots. The SD card is locked. In this case, unlock the SD card, as shown below.  d238m0750 [A]: Unlocked, [B]: Locked
-3	The input date is disabled.

Error Code	Description
-4	The trace function is disabled.

8. Wait for the information and/or logs to be copied to the SD card.
9. Make sure that a message stating that the process has completed appears on the operation panel.

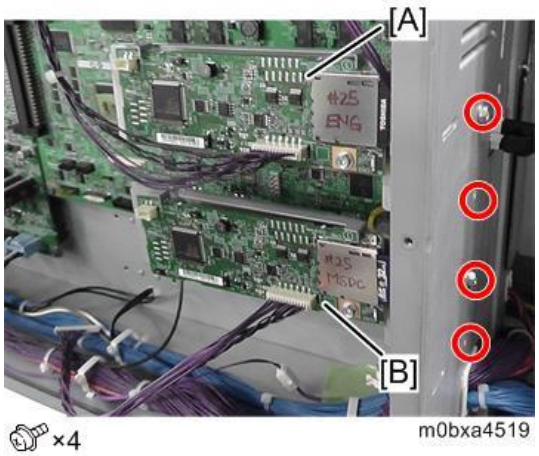
Note

- The process of obtaining logs fails in the following cases:
  - When the size of the logs to obtain exceeds the amount of space available on the SD card.
  - When the SD card is removed while the logs are being copied to it.
  - When the SD card is not formatted.
- If 'failed' appears on the touch panel display, turn the power off, and then recover from step 1 again.

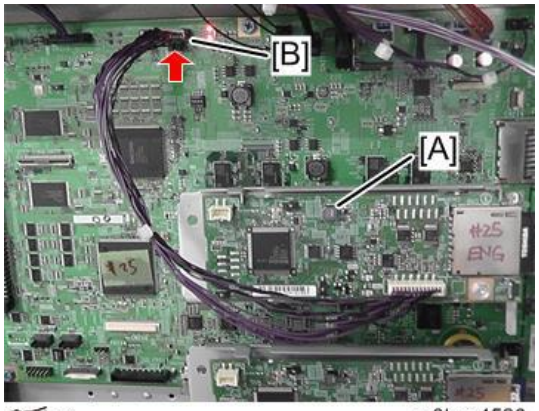
Retrieving the Device Logs Continuously with a Service Slot Board

Procedures for Installing Service Slot Board/Retrieving Device Logs

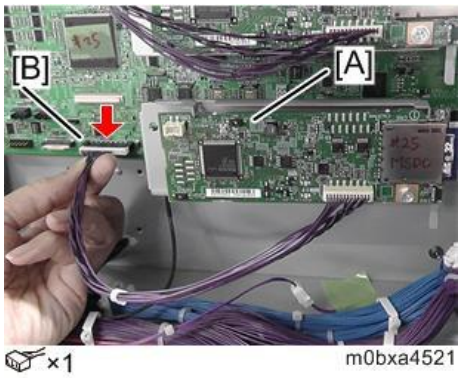
1. Remove the rear left cover. (Removing the Rear Left Cover)
2. Remove the controller box right cover 1.(Connecting the Connectors between the Roll Holders and Machine)
3. Attach the service slot board [A] for engine software and the service slot board [B] for MSDC, which is a firmware for controlling motors.



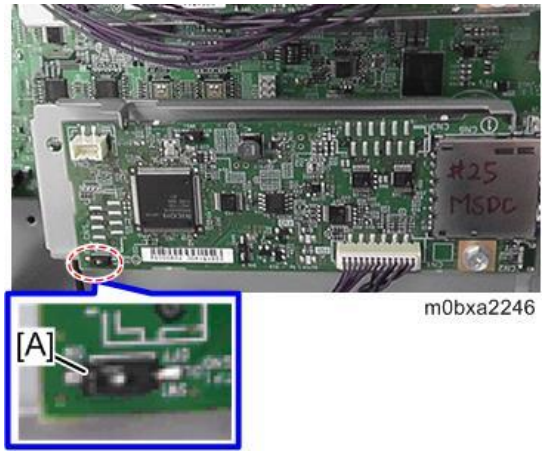
4. Connect the connector of the service slot board [A] for engine software to CN216 [B] of GUA.



5. Connect the connector of the service slot board [A] for MSDC to CN217 [B] of GUA.



6. Turn on the switch [A]. (Move the knob to the left)



Note

- Ensure that two SD cards are set in the SD card slot. The SD cards are for engine software/MSDC (firmware for controlling motors).
- Make sure that the SD card is inserted correctly. When an SD card is inserted, you will hear a click sound and the card is locked.
- When pulling the SD card out, push the inserted card in once to unlock the card.

7. Turn the main power switch ON.

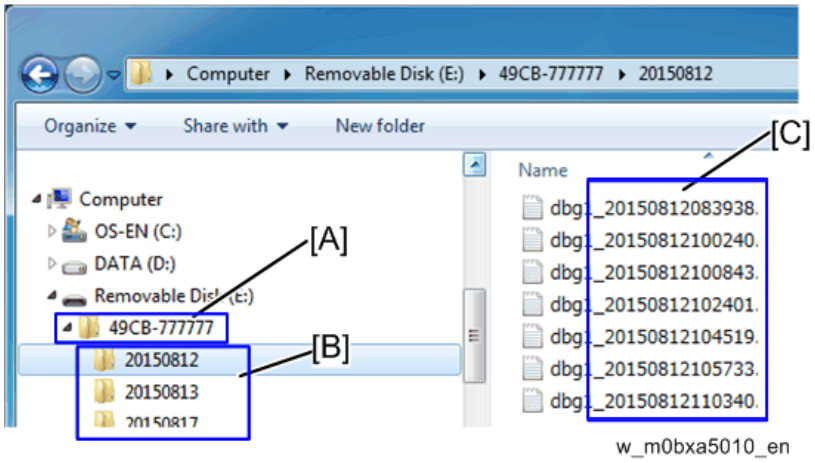
8. Log capture starts automatically.

Folder Structure of the SD Card

Folder Structure of the SD Card

When you insert the SD card in the SD card slot of your computer, it is displayed as follows.

- The following example shows an SD card inserted to the D drive displayed in Explorer.
- In the following example, 49CB-777777 [A] is the folder with the machine serial number as its name. The "2015xxxx" folders [B] below it are folders with the date as the name of each, in which the log files [C] are saved.



Types of Engine Logs

Device monitor logs

The same log data as those that are collected when you connect a computer to the engine (GAU) using a serial cable are written in the SD card.
The logs are always updated after the machine is turned ON until it is turned OFF.

Normal logs

Data required for error analysis of each module in the engine are written in the SD card.
The logs are always updated after the machine is turned ON until it is turned OFF.

System Overview

Opening a log file

1. A folder with the machine serial number as its name is created when the power is turned ON (unless it already exists).
2. A folder with the date as its name is created.
   Example: 20160112 (If the date is January 12, 2016)
   *Not created if it already exists.
3. After the date folder is created, a log file is opened, and the machine begins writing in the SD card.

Note

- When a date folder is created, the information regarding which date has been used as folder name is recorded in a file named LOG_LIST. The information is used when deleting

log files. Handle this file carefully when you delete log files manually from the SD card.

- The LOG_LIST file is created in the machine serial number folder.

Closing a log file

- When the maximum size is exceeded:
  The maximum size of a device monitor log and an engine log file is 8 MB. When this is exceeded, the log file is closed and a new log file is opened.
- When machine is shut down:
  All log files are closed when the machine is shut down.

Deletion of log files

When there are many log files and the remaining capacity of the SD card is low, the log files are deleted, starting from the oldest one.
The remaining capacity is checked when the machine is turned ON and log files are deleted if the remaining capacity is lower than 10%.
Deletion continues until there is becomes 30% or more remaining capacity.
Log files should be deleted in units of date folders.

Additional notes on the deletion process

1. When deleting files, the files dating back 30 days or more are deleted together with the folders.
2. The capacity of the SD card is checked. If the remaining capacity is 30% or mode, deletion process is finished.
3. If the remaining capacity is less than 30%, the files dating back 21 days or more are deleted together with the folders.
4. The capacity of the SD card is checked. If the remaining capacity is 30% or mode, deletion process is finished.
5. If the remaining capacity is less than 30%, the files dating back 14 days or more are deleted together with the folders.
   Files dating back 7 days, 3 days, and one day are deleted until the remaining capacity becomes 30% or more.
   The LG_LIST file is used to determine how many days the files date back.

Things to Be Noted When Deleting Log Files from the SD Card

The LOG_LIST file keeps track of the dates when folders were created. It is used when deleting old log files. If the contents of the LOG_LIST file and the actual folder names do not match, file deletion operation cannot be executed properly.

Important

- When deleting log files from the SD card manually, do not delete individual date folders.
- Make a backup if there are logs that must be kept, and format the SD card using the formatter.
- If you want to delete log files but you do not have the formatter, delete the machine serial

number folder including all folders and files inside it, or delete all folders and files in the machine serial number folder.

Retrieving the Information on ONYX RIP Software/Storing the Logs

Retrieving the Information on ONYX RIP Software

RIP logs retrieval function continues to store logs until HDD storage is full.

Only when analyzing problems, enable the RIP logs retrieval function, and after retrieving logs, disable the function.

If the problem occurs, retrieve the following information.

1. Check the version of RIP software.

Check the version of the printer driver.

[RIP-Queue] - Help - [About RIPCenter RIP-Queue] - [Product Version]

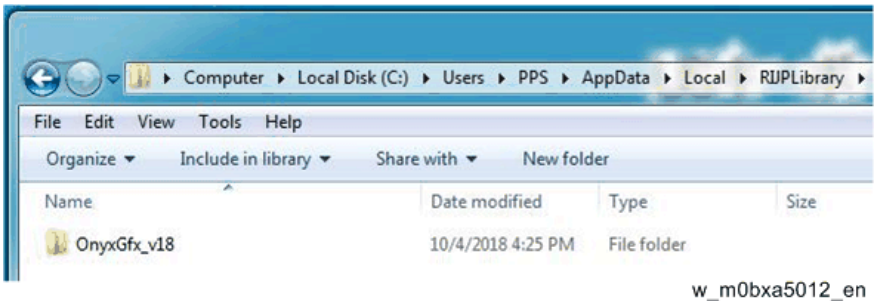


2. Retrieve the logs from SDK (the library).

The logs are installed in the following folder.

\Users**User Name**\AppData\Local\RIJPLibrary\OnyxGfx_v18

Retrieve the folder above.



w_m0bxa5012_en

Note

- The file size may reach 400 to 500 MB to the maximum. Compression will be effective in reducing sizes because this is text data.

3. Retrieve the internal management file of jobs of RIP software.

Important

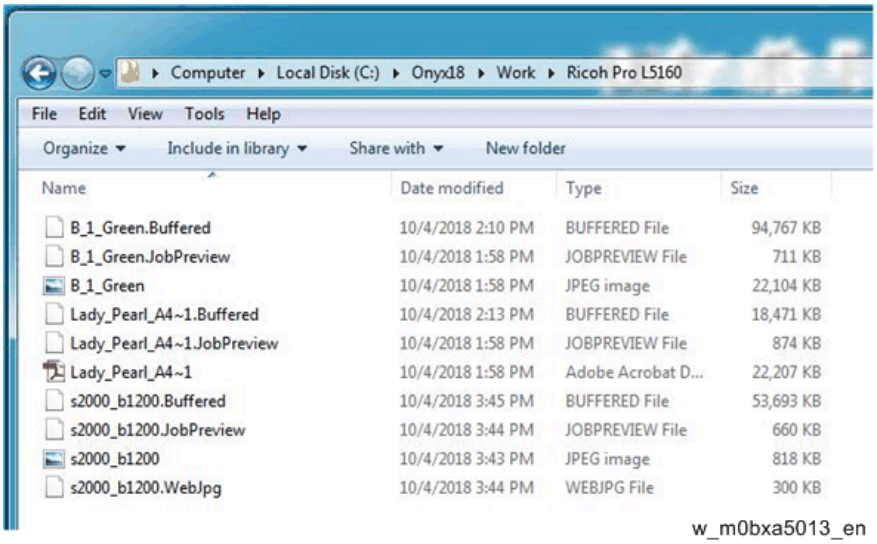
- This file includes the information of print images. In advance, ask customers to agree this operation.

Retrieve the file having the same name as the job with a problem from the folder below.

Example: ONYX Install folder\Work\Printer name

In the default setting, retrieve the file from the following path.

C:\Onyx18\Work\Ricoh Pro L51x0



w_m0bxa5013_en

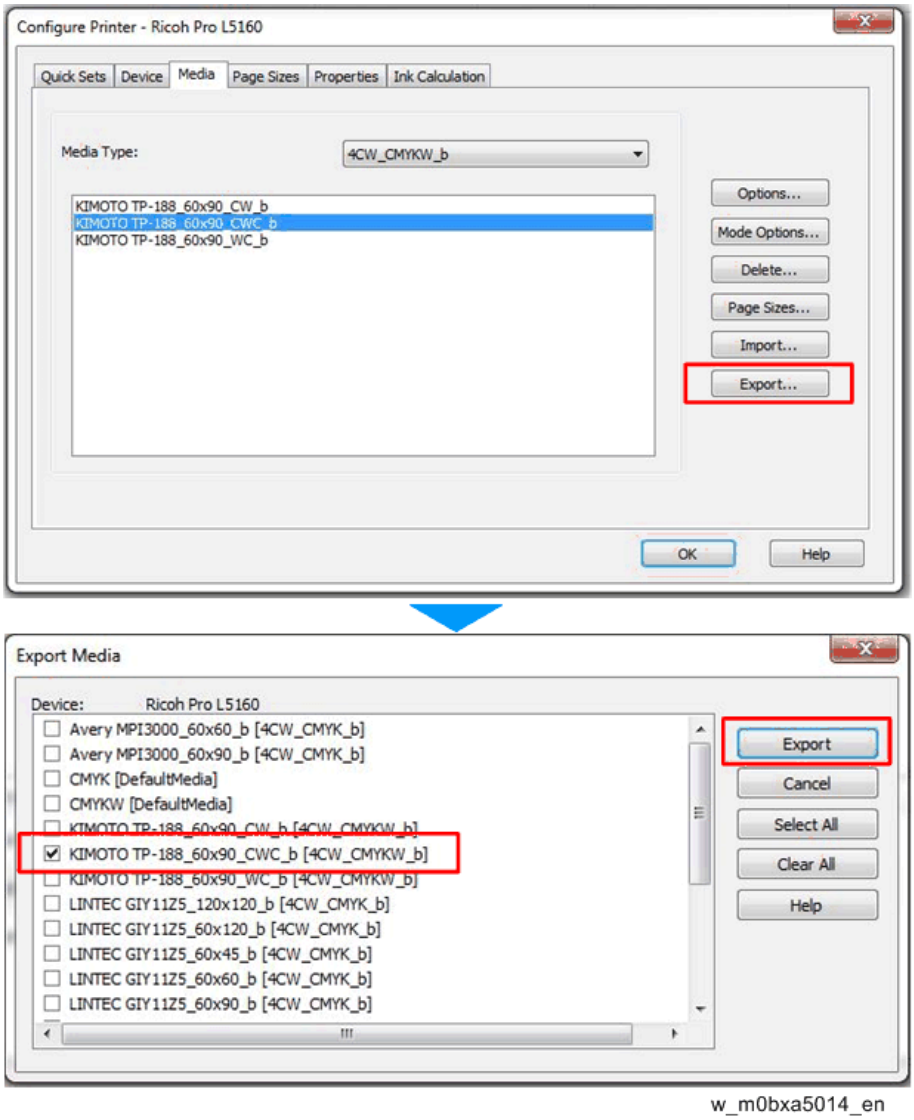
Note

- If the job is deleted on the RIP-Queue, there might be no file in the folder.

4. Retrieve the profile that was set when the problem occured.

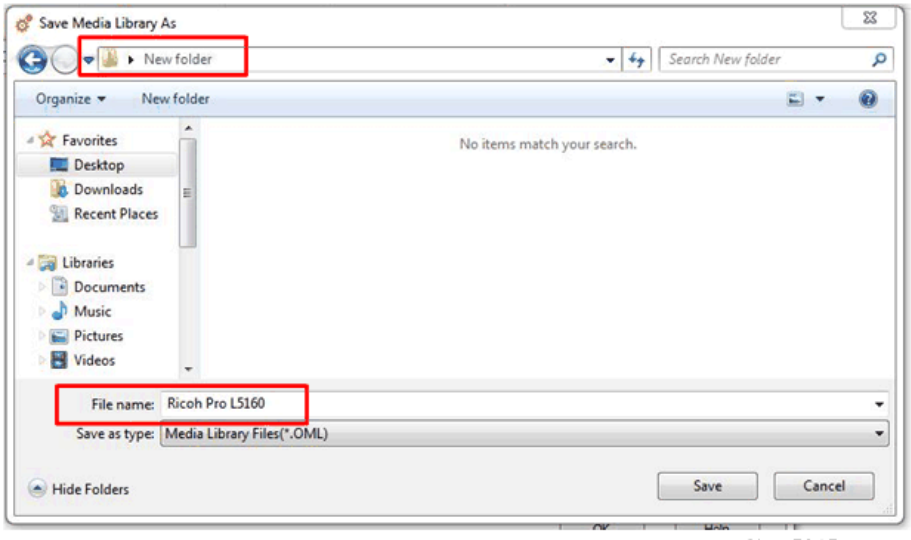
[RIP-Queue] - [Configure Printer] - [Media] - [Export...]

Select the profile and click [Export...].



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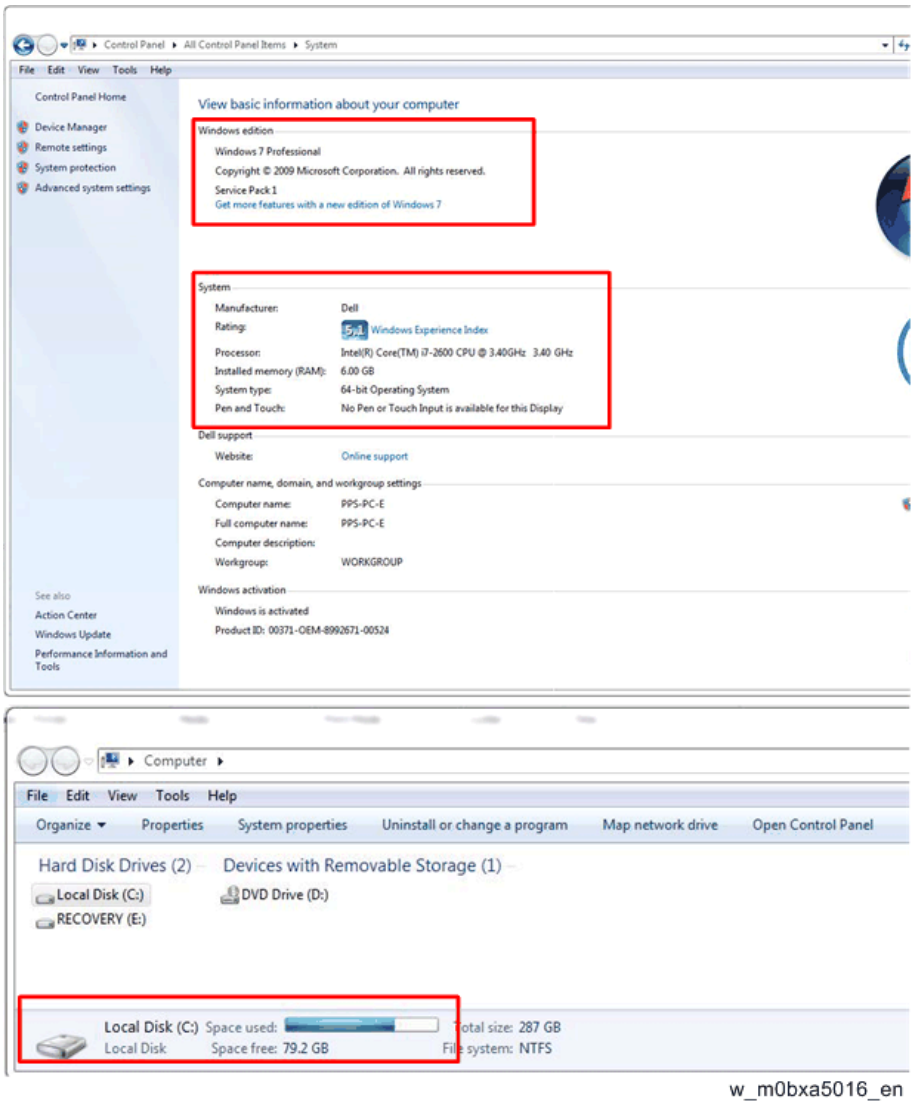
5. Store the profile in any place you like with new name.



w_m0bxa5015_en

6. Retrieve the information on PC.

Retrieve the information of OS version/memory, other system data, and space of the local disk.



w_m0bxa5016_en

7. Ask the customer about the problem.

Confirm what happens and make sure that what is conflicted with the result they expect.

Collect the imformation about operations and results according to the point of view below.

- State before operating: Display of device information tab on RIP software and the operation panel.
- About the job before operating: Normally printed/Cancelled/Exit due to an error
- Change to the job:Changed the number of copies, edited the job by job editor, or other action)
- Setting items for arrangement: Settings for right side center arrange of RIP-Queue and more detail settings.

After restoring

- When the machine restores, make sure how to restore it.
  Check if the problem occurs again and other problems occur.
- Check how frequently the problem occurs and how many times the problem occurs.

RIP Logs Retrieving Settings after the Problem Occurs (Retrieving when the Problem Occurs Again)

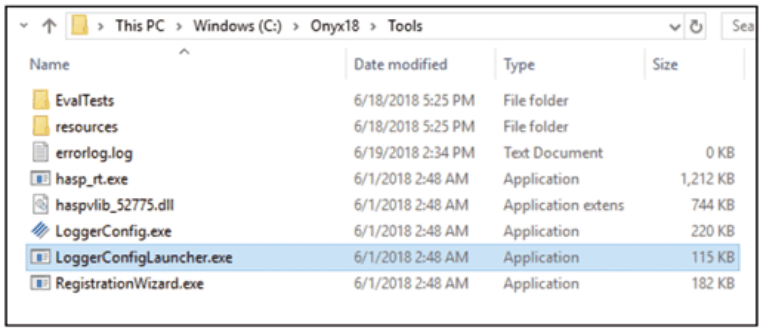
Retrieving RIP logs continuously is not recommended. Change the setting to valid after confirming the

problem and asking customers to agree.

After the setting becomes valid, if the problem occurs again, retrieve RIP logs. After retrieving the logs, set the RIP logs retrieving settings to invalid.

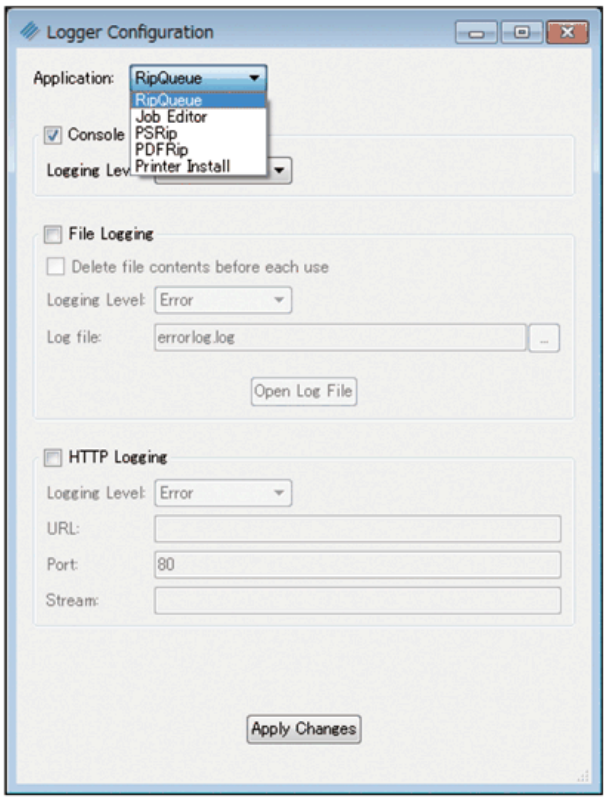
How to Store Logs of ONYX RIP Software

1. In "C:\Onyx18\Tools", double-click "LoggerConfigLauncher.exe" to run it.
"C:\" may vary depending on where RIPCenter/PosterShop was installed.



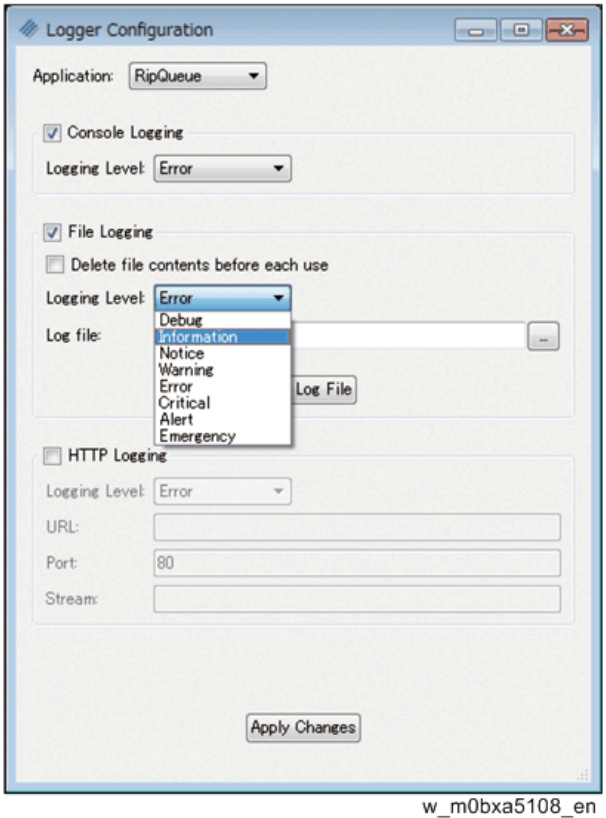
w_m0bxa5106_en

2. From "Application:", select the application for collecting the log file.
First, select RipQueue. Job Editor, PSRip, PDFRip, and Printer Install will be configured later.



w_m0bxa5107_en

3. Check "File Logging", and then set "Logging Level:" in "File logging" to "Information".
Do not check "Delete file contents before each use".
Do not change the "Console Logging" or "HTTP Logging" settings.

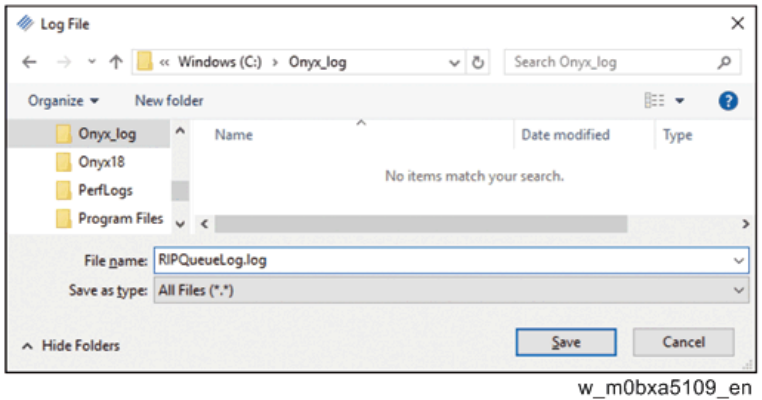


w_m0bxa5108_en

4. Click […] to the right of "Log file".

5. Create the "Onyx_log" folder in an easy-to-find location, such as in the C drive root directory.
This step is required only once and not later on.

6. Select the "Onyx_log" folder as the location for storing the log file, and then specify the log file name.
If it is a RIPQueue log, name the log file "RIPQueueLog.log".



w_m0bxa5109_en

Specify a different log file name for each application.

Application:	Log file name
RIPQueue	RIPQueueLog.log
Job Editor	JobEditorLog.log
PSRip	PSRipLog.log
PDFRip	PDFRipLog.log

Application:	Log file name
Printer Install	PrinterInstallLog.log

It is recommended to store all the logs in the "Onyx_log" folder.

7. It is recommended to store all the logs in the "Onyx_log" folder.

8. Click [Apply Changes] to store the configured setting.

Reboot/System Setting Reset

For details, refer to Operating Instructions.

NV-RAM Data Upload/Download

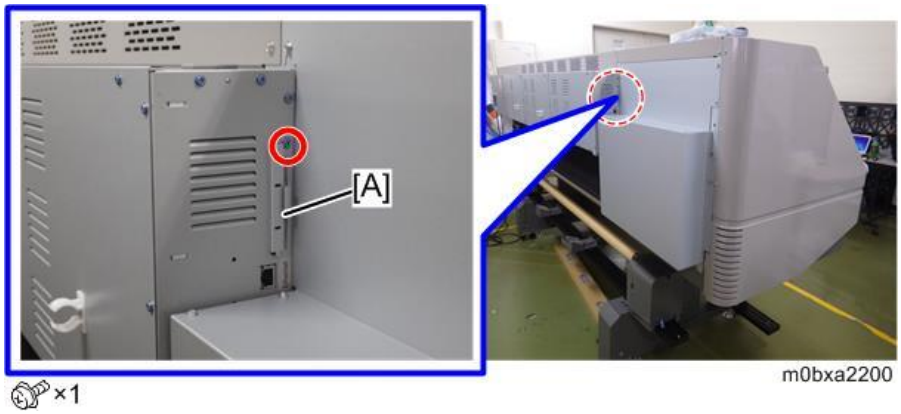
Uploading Content of NV-RAM to an SD card

Do the following procedure to upload SP code settings from NV-RAM to an SD card.

Note

- This data should always be uploaded to an SD card before the NV-RAM is replaced. Make sure that the write protection of an SD card is unlocked.
- Do not use the SD card that formatted for forced installation.
- Do not use the SD card which the firmware update file is in.

1. Do SP5-992-001 (SP Text Mode) before you switch the machine off. You will need a record of the NV-RAM settings if the upload fails.
2. Switch the copier main power switch off.
3. Remove the SD slot cover [A].



4. Insert the SD card into SD card slot [A].



5. Turn on the main power switch.
6. Execute SP5-824-001 (NV-RAM Data Upload), and then touch [EXECUTE].
7. The following files are coped to an NV-RAM folder on the SD card when the upload procedure is finished.

   The file is saved to the path and the following filename:

   NVRAM¥<serial number>.NV

   Here is an example with Serial Number "K5000017114": **NVRAM¥K5000017114.NV**

8. In order to prevent an error during the download, be sure to mark the SD card that holds the uploaded data with the number of the machine from which the data was uploaded.

Note

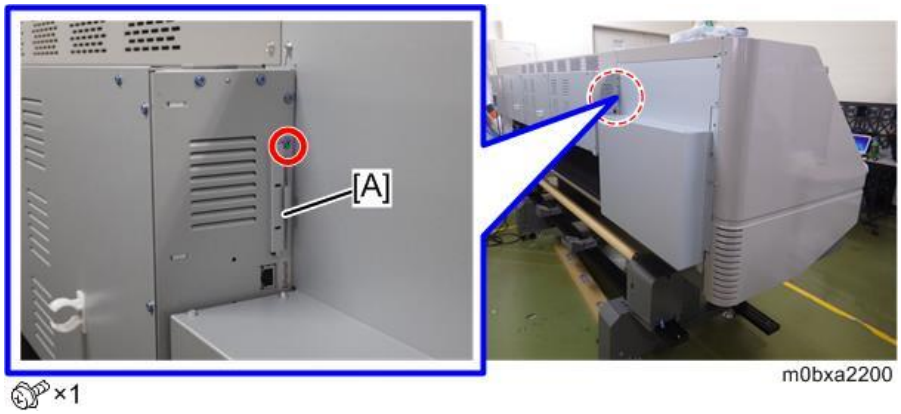
- You can upload NV-RAM data from more than one machine to the same SD card.

Downloading an SD Card to NV-RAM

Do the following procedure to download SP data from an SD card to the NV-RAM in the machine.

- The NV-RAM data download may fail if the SD card with the NV-RAM data is damaged, or if the connection of the GAU (main controller board) is defective.
- Do the download procedure again if the download fails.
- Do the following procedure if the second attempt fails:
  - Input the NV-RAM data manually using the CSV file you created in the SP text mode before uploading the NV-RAM data.

1. Turn off the main power switch.
2. Remove the SD slot cover [A].



3. Insert the SD card with the NV-RAM data into SD Card Slot [A].



4. Turn on the main power switch.
5. Do SP5-825-001 (NV-RAM Data Download) and touch [EXECUTE].

Note

- The serial number of the file on the SD card must match the serial number of the machine for the NV-RAM data to download successfully. The download fails if the serial numbers

do not match.

This procedure does not download the following data to the NV-RAM:

- Total Count
- C/O, P/O Count

SMC List Card Save Function

Function

- The SMC List Card Save (SP Text Mode) function is used to save the SMC list as CSV files to the SD-card inserted into the SD-card slot.

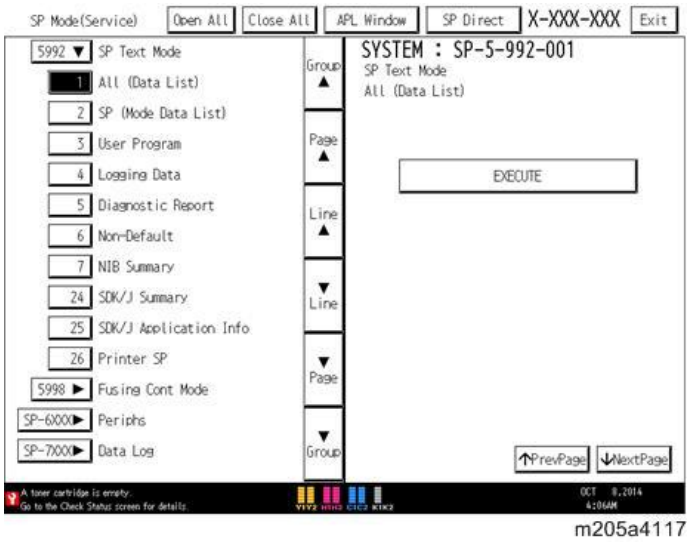
Procedure

1. Turn the main power switch OFF.
2. Insert the SD card into the operation panel SD-card slot (service slot).

Note

- Do not use the SD card that formatted for forced installation.
- Do not use the SD card which the firmware update file is in.

3. Then turn the power ON.
4. Enter SP mode.
5. Select “Engine SP”.



m205a4117

6. Select SP-5992 "SP Text Mode”.
7. Select a detail SP number shown below to save data on the SD card.

SP-5992-xxx (SP Text Mode)

Detail No.	SMC Categories to Save
001	All (Data List)
002	SP (Mode Data List)
003	User Program
004	Logging Data
005	Diagnostic Report

8. Press [EXECUTE].

9. Wait for 2 to 3 minutes until “Completed” is shown.

Note

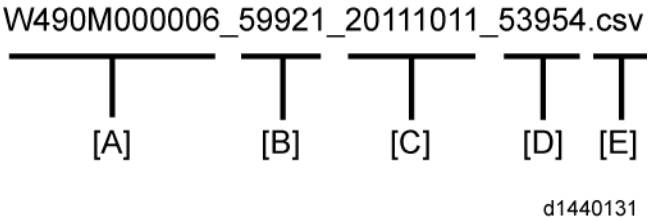
- The SMC list saving may take from 2 to 3 minutes to complete.
- Press [CANCEL] to abort executing.

10. Press [Exit] to exit from SP mode.

File Names of the Saved SMC Lists

The SMC list data saved on the SD-card will be named automatically. The file naming rules are as follows.

Example:



A:

Machine serial number (fixed for each machine)

B:

SP number saved in this file.

First four digits (5992) in this part are fixed. The other one or two digits are the detail SP number(s). In this case, it is one digit. Therefore, this file is of SP5-992-001 (All data list). See the upper SP table for the correspondence between SP detail numbers and the contents.

C:

File creation date

Year/Month/Day (“Zero” will be omitted if each is one digit.)

D:

File creation time

Hour/Minute/Second (“Zero” will be omitted if each is one digit.)

E:

File Extension CSV (Comma Separated Value)

This part is fixed.

Note

- A folder named by the machine serial number will be created on the SD card when this function is executed.
- This function can save the SMC list data only to an SD card inserted into the SD card slot.

Error Messages

SMC List Card Save error message:

- **Failed:**
  FACTOR: Read-only file system, Not formatted, No space left on device.

If an error occurs, pressing “Exit” will cause the device to discard the job and return to the ready state.

Adjustment Pattern

Set the adjustment pattern in the following SP.

SP No.	Name 1	Name 2
5-911-01	Auto Gap Adjustment	8pass
5-911-02	Auto Gap Adjustment	12pass
5-911-04	Auto Gap Adjustment	16pass
5-911-05	Auto Gap Adjustment	32pass
5-911-07	Auto Gap Adjustment	12pass: W
5-912-01	Manual Gap Adjustment	8pass
5-912-02	Manual Gap Adjustment	12pass
5-912-04	Manual Gap Adjustment	16pass
5-912-05	Manual Gap Adjustment	32pass
5-912-07	Manual Gap Adjustment	12pass: W
5-921-01	Carriage Position Adjustment	Colorimetric Sensor Read Position
5-922-01	Measuring Head Inclination	Absolute
5-922-02	Measuring Head Inclination	Relative
5-922-03	Measuring Head Inclination	Measuring Sub Scan Deviation
5-922-04	Measuring Head Inclination	Manual:Absolute
5-922-05	Measuring Head Inclination	Manual:Measuring Sub Scan Deviation
5-923-01	Test Chart	Forward-Backward Feed Offset
5-923-02	Test Chart	Main Scan Printing Position Adjustment
5-923-03	Test Chart	2by2: 12pass
5-923-04	Test Chart	2by2: 6pass
5-923-05	Test Chart	Sub Scan Adjustment: Base: H1D
5-923-06	Test Chart	Sub Scan Adjustment: Base: H1D BCD
5-923-07	Test Chart	Main Scan Adjustment
5-923-08	Test Chart	Grid Pattern
5-924-01	Sub Scan Position Adjustment	Transport Speed: Standard
5-924-02	Sub Scan Position Adjustment	Transport Speed: High
5-924-03	Sub Scan Position Adjustment	Transport Speed: Low
5-925-01	Auto Feed Adjustment	Roller
5-925-02	Auto Feed Adjustment	Transport Speed: Standard
5-925-03	Auto Feed Adjustment	Transport Speed: High
5-925-04	Auto Feed Adjustment	Transport Speed: Low
5-925-09	Auto Feed Adjustment	Forward/Backward Adjustment
5-931-01	Test Print: Nozzle Check	NozzleCheckWF1:W/O White
5-931-03	Test Print: Nozzle Check	NozzleCheckWF1:Factory:W/O White
5-931-04	Test Print: Nozzle Check	NozzleCheckWF2:Factory:W/O White

SP No.	Name 1	Name 2
5-932-01	Test Print: Head Joint	Head Joint Correction Pattern
5-933-02	Test Print: Feed Joint	Feed Joint Correction Pattern
5-934-01	Test Print: Arrival	Arrival Chart (Fast Draft)
5-935-01	Test Print: Discharge State	Confirmation Chart (WF1 Large Drops)
5-935-02	Test Print: Discharge State	Confirmation Chart (WF1 Middle Drops)
5-935-03	Test Print: Discharge State	Confirmation Chart (WF1 Small Drops)
5-935-04	Test Print: Discharge State	Confirmation Chart (WF2 Large Drops)
5-935-05	Test Print: Discharge State	Confirmation Chart (WF2 Middle Drops)
5-935-06	Test Print: Discharge State	Confirmation Chart (WF2 Small Drops)
5-936-01	Test Print: Density Adjustment	Density Adjustment WF1 (Large Drops)
5-936-02	Test Print: Density Adjustment	Density Adjustment WF1 (Middle Drops)
5-936-03	Test Print: Density Adjustment	Density Adjustment WF1 (Small Drops)
5-936-04	Test Print: Density Adjustment	Density Adjustment WF2 (Large Drops)
5-936-05	Test Print: Density Adjustment	Density Adjustment WF2 (Middle Drops)
5-936-06	Test Print: Density Adjustment	Density Adjustment WF2 (Small Drops)
5-937-01	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H1 Large Drops
5-937-02	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H1 Middle Drops
5-937-03	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H1 Small Drops
5-937-04	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H2 Large Drops
5-937-05	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H2 Middle Drops
5-937-06	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H2 Small Drops
5-937-07	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H3 Large Drops
5-937-08	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H3 Middle Drops
5-937-09	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H3 Small Drops
5-937-10	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H1 Large Drops
5-937-11	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H1 Middle Drops
5-937-12	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H1 Small Drops
5-937-13	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H2 Large Drops
5-937-14	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H2 Middle Drops
5-937-15	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H2 Small Drops
5-937-16	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H3 Large Drops
5-937-17	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H3 Middle Drops
5-937-18	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H3 Small Drops
5-938-01	Auto Joint Setting	Select Head Joint Pattern
5-938-02	Auto Joint Setting	Select Feed Joint Pattern
5-939-01	Clogged Nozzle Setting	Clogged Nozzle Auto Detection
5-940-01	Auto Density Adjustment	WF1 Large Drops

SP No.	Name 1	Name 2
5-940-02	Auto Density Adjustment	WF1 Middle Drops
5-940-03	Auto Density Adjustment	WF1 Small Drops
5-940-04	Auto Density Adjustment	WF2 Large Drops
5-940-05	Auto Density Adjustment	WF2 Middle Drops
5-940-06	Auto Density Adjustment	WF2 Small Drops
5-941-01	Crosstalk Auto Correct	WF1 H1 Large Drops
5-941-02	Crosstalk Auto Correct	WF1 H1 Middle Drops
5-941-03	Crosstalk Auto Correct	WF1 H1 Small Drops
5-941-04	Crosstalk Auto Correct	WF1 H2 Large Drops
5-941-05	Crosstalk Auto Correct	WF1 H2 Middle Drops
5-941-06	Crosstalk Auto Correct	WF1 H2 Small Drops
5-941-07	Crosstalk Auto Correct	WF1 H3 Large Drops
5-941-08	Crosstalk Auto Correct	WF1 H3 Middle Drops
5-941-09	Crosstalk Auto Correct	WF1 H3 Small Drops
5-941-10	Crosstalk Auto Correct	WF2 H1 Large Drops
5-941-11	Crosstalk Auto Correct	WF2 H1 Middle Drops
5-941-12	Crosstalk Auto Correct	WF2 H1 Small Drops
5-941-13	Crosstalk Auto Correct	WF2 H2 Large Drops
5-941-14	Crosstalk Auto Correct	WF2 H2 Middle Drops
5-941-15	Crosstalk Auto Correct	WF2 H2 Small Drops
5-941-16	Crosstalk Auto Correct	WF2 H3 Large Drops
5-941-17	Crosstalk Auto Correct	WF2 H3 Middle Drops
5-941-18	Crosstalk Auto Correct	WF2 H3 Small Drops

Adjustment of Printing Margin

Note

There is no need of the pattern output of 5-923-01 and 5-923-03 to 5-923-07.

5-923-002 (Main Scan Printing Position Adjustment)

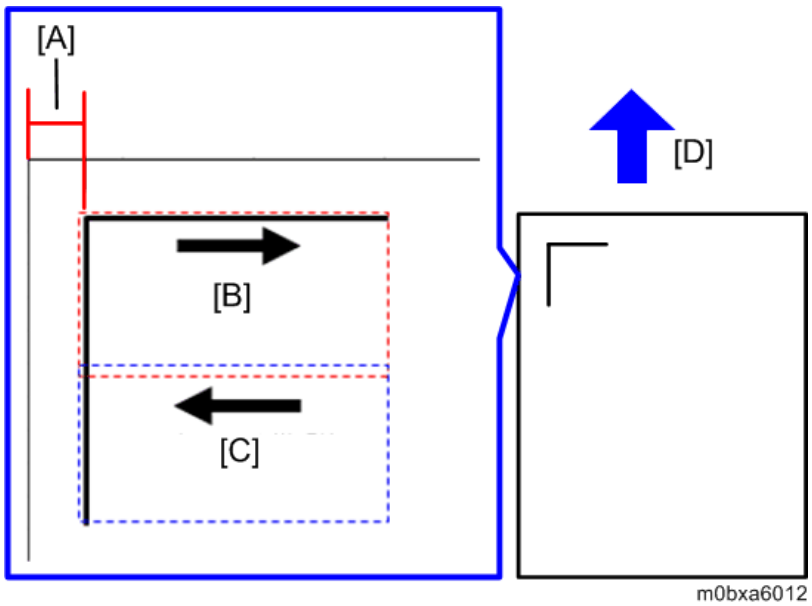
- Use: Margin Adjustment
- Adjustment Standard Value: 20 ± 1 mm (approx. 0.787 ± 0.039 inch)
- Printing Condition:
  - Use coated paper, PVC, and glossy paper.
  - Turn off the heater settings.

1. Execute SP5-923-002 to output the margin adjustment pattern.



m0bxa6009

2. Set the moving amount in the SP so that the distance from the right edge of the media to the vertical line of the image [A] is 20 mm. (approx. 0.787 inch)



m0bxa6012

[B]: Scan 1 (forward path)

[C]: Scan2 (return path)

[D]: Feeding Direction

3. Adjust the image position in roll feed.
(Print Position Adj(Right Edge): Paper feed section)

4. Input the same value you adjusted in roll feed into the SP of manual paper feed.
(Print Position Adj(Right Edge): Manual paper feed section)

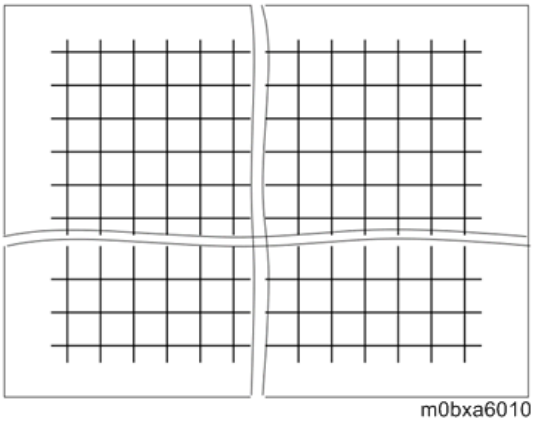
Note

Adjustment of the image position adapts to both roll feed and manual paper feed.

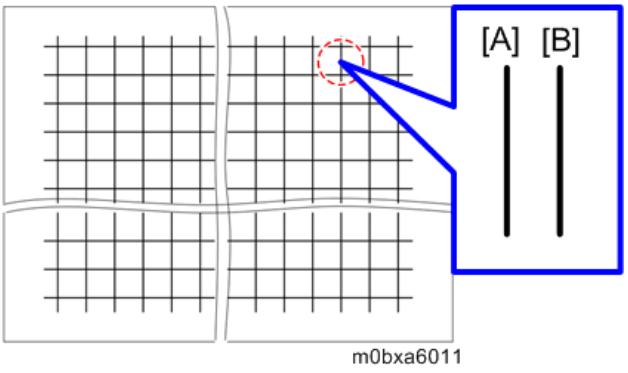
5-923-008 (Grid Pattern)

- Use: Check for the displace of the impact position of the margin adjustment forward path and return path.
- Printing Condition: None

1. Execute SP5-923-008 to output the pattern.


m0bxa6010

2. Check that the lines [A], [B] overlap completely.



m0bxa6011

Note

The lines of main scan are constructed by forward path and return path overlapping on the paper. When two lines overlap completely, the line of forward path and that of return path land on the same impact position.

When two lines look, judge that the impact position of forward path and return path is not same.

5. Troubleshooting

Self-Diagnostic Mode

Service Call Conditions

The ‘SC Table’ section shows the SC codes for controller errors and other errors. The latter are put into four types. The type is determined by their reset procedures. The table shows the classification of the SC codes.

Pattern	Display	How to reset	SC call or SC alarm in customer support system
A	The SC is immediately displayed on the operation panel when SC occurs. The error involves the fusing unit. The machine operation is disabled. The user cannot reset the error.	Reset the SC (set SP5-810-001) and then cycle the main power off and on.	Occurrence & alarm count ↓ Immediate alarm
B	When a function is selected, the SC is displayed on the operation panel. The machine cannot be used (down-time mitigation).	Turn the operation switch off and on.	Occurrence & alarm count ↓ Power OFF and ON ↓ Alarm count and alarm only if recurrence
C	No display on the operation panel. The machine operates as usual.	Only the SC history is updated.	Occurrence ↓ Logging count & alarm count
D	The SC is displayed on the operation panel. The machine cannot be used (machine-error SC).	Turn the main power switch off and on.	Occurrence & alarm count ↓ Power OFF and ON ↓ Alarm count and alarm only if recurrence

Note

- When an ordinary SC (type D) is generated, an automatic reboot is performed. When an event is reported by the customer support system, even in the event of an ordinary SC, reboot is not performed. During automatic reboot, a confirmation screen is displayed after the reboot.
- When automatic reboot occurs twice continuously, an SC is displayed without rebooting, and logging count is performed. Also, when an SMC print is output, an * mark is added alongside the SC number for clarity.

SC Logging

When an SC is generated, the "total count value when the SC is generated" and the "SC code" are logged. However, if the total count value during the SC is the same as last time, logging is not performed.
Logged data can be checked by outputting an administrative report (SMC print). The SC history is logged up to the last 10 entries, and if there are more than 10 entries, data are progressively deleted starting from the oldest.

SC Automatic Reboot

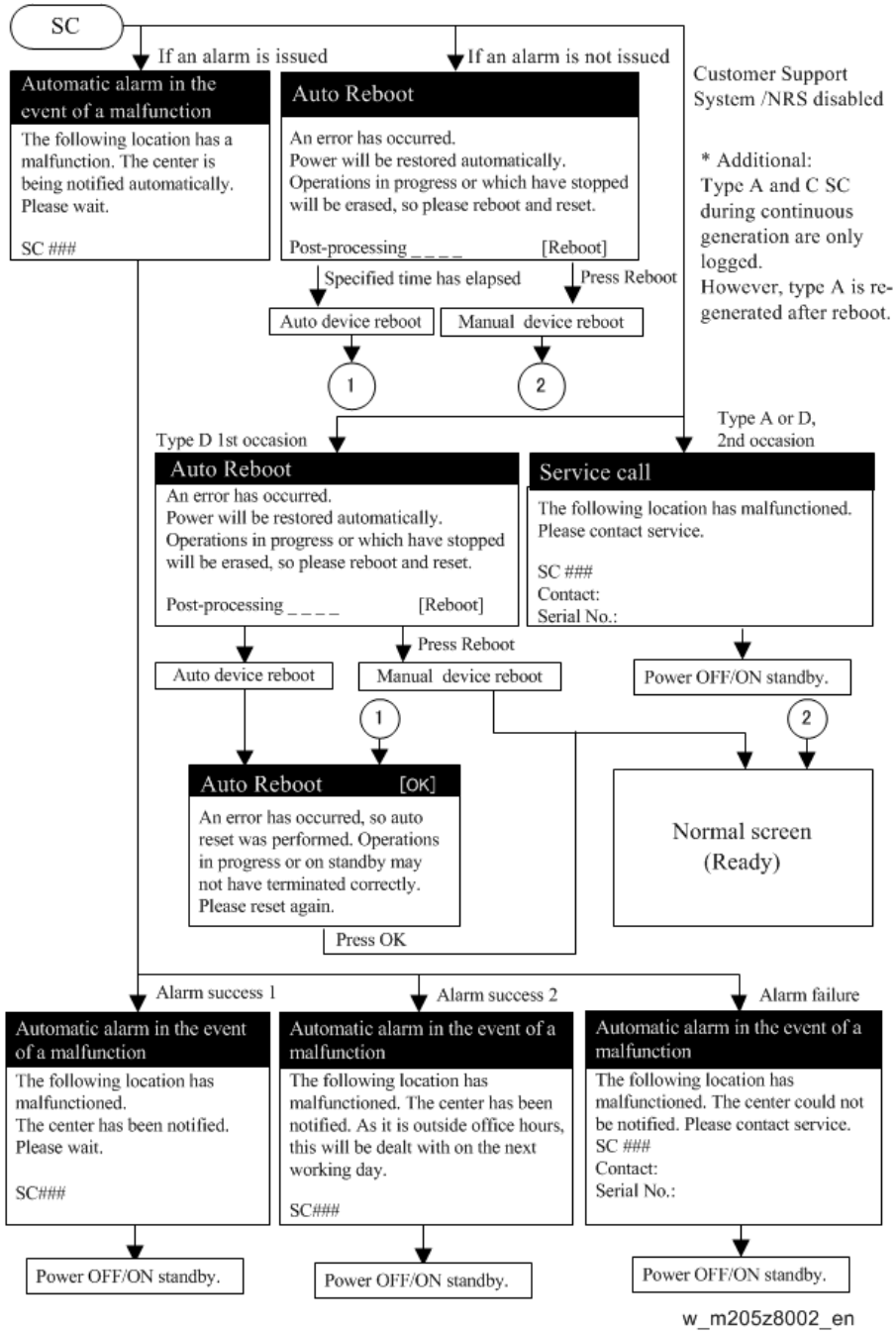
When an ordinary SC (pattern D) is generated, automatically reboot is performed.
When a type D occurs, automatic reboot is done or the machine display asks the customer if it can reboot. However, when the SC occurs twice in a short time, the machine sends a report to the @Remote server without rebooting. This is because just rebooting may not be a good solution if an SC occurs twice.
When an automatic reboot is performed, a confirmation screen is displayed after reboot. The confirmation screen can be cancelled by pressing the [OK] key (display is not cancelled only when the main power switch is switched OFF to ON).

Screen display during reboot

- Status display on the current screen
  - Post-processing ..... Post-processing during printing, etc.
  - Automatic reboot .... After operation end
    Post-processing
    ■■□□□□□□□□
    Until automatic reboot
    □□□□□□□□□□
- Reset key (Reboot key)
  Key to perform reboot
  # Cancel key is not displayed.
- Turn ON spanner LED (same as when an SC is generated).

Operation during SC reboot

- Timing of SC reboot
  When @Remote is enabled, and when a NRS alarm*1 is not generated, the corresponding SC is the object of an automatic reboot.
  *1 NRS alarm: Issued when an ordinary SC (type D) is generated twice while the total counter counts 10 times.
- Time to automatic reboot
  Reboot is performed 30 seconds after an engine reboot is possible, after the end of post-processing during printing, etc.
  At that time, a reboot is performed even if the MFP is operating. The engine does not start process control when a reboot is possible.
- Automatic reboot
  See the flowchart below.



w_m205z8002_en

SC100: Not Used

There are no Group 100 service codes for this machine.

SC200: Image Writing

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC200-00	D	Maintenance Suction Unit Error
		Maintenance suction unit HP sensor can not detect maintenance suction unit.
		• Maintenance suction unit defective • Maintenance suction unit HP sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the maintenance suction unit and the maintenance suction unit HP sensor. When they are disconnected, reconnect them correctly and go to step 1. 4. Clean the maintenance suction unit HP sensor if they are dirty, and check for foreign objects. When they are dirty or have foreign objects, clean them and go to step 1 or 5. 5. Replace the maintenance suction unit and the maintenance suction unit HP sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC201-01	D	Wiper Unit Front/Rear Movement HP Detection Error
		Web front/rear HP sensor can not detect the wiper unit.
		• Web cartridge defective • Web front/rear HP sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the web cartridge and the web front/rear HP sensor. When they are disconnected, reconnect them correctly and go to step 1. 4. Clean the web front/rear HP sensor if they are dirty, and check for foreign objects. When they are dirty or have foreign objects, clean them and go to step 1 or 5. 5. Replace the web cartridge and the web front/rear HP sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC201-02	D	Wiper Unit Up/Down Movement HP Detection Error
		Web up/down HP sensor can not detect the wiper unit.
		• Web cartridge defective • Web up/down HP sensor defective
		1. Check if the SC occurs by turning the power OFF then ON.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		2. Confirm that genuine ink is used. 3. Check the harness connection of the web cartridge and the web up/down HP sensor. When they are disconnected, reconnect them correctly and go to step 1. 4. Clean the web up/down HP sensor if they are dirty, and check for foreign objects. When they are dirty or have foreign objects, clean them and go to step 1 or 5. 5. Replace the web cartridge and the web up/down HP sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC201-03	D	Wiper Unit Blade HP detection error
		Blade wiper HP sensor can not detect the wiper unit blade.
		• Web cartridge defective • Blade wiper HP sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the web cartridge and the blade wiper HP sensor. When they are disconnected, reconnect them correctly and go to step 1. 4. Clean the blade wiper HP sensor if they are dirty, and check for foreign objects. When they are dirty or have foreign objects, clean them and go to step 1 or 5. 5. Replace the web cartridge and the blade wiper HP sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC201-04	D	Wiper Unit Roll-up Error
		The wiper unit failed to rolling up media within the limited time.
		• Web cartridge defective • Maintenance unit web encoder sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the web cartridge and the maintenance unit web encoder sensor. When they are disconnected, reconnect them correctly and go to step 1. 4. Clean the maintenance unit web encoder sensor if they are dirty, and check for foreign objects. When they are dirty or have foreign objects, clean them and go to step 1 or 5.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		5. Replace the web cartridge and the maintenance unit web encoder sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC202-01	D	Negative Pressure Value Error (Damper1)
SC202-02	D	Negative Pressure Value Error (Damper2)
SC202-03	D	Negative Pressure Value Error (Damper3)
SC202-04	D	Negative Pressure Value Error (Damper4)
SC202-05	D	Negative Pressure Value Error (Damper5)
SC202-06	D	Negative Pressure Value Error (Damper6)
SC202-07	D	Negative Pressure Value Error (Damper7)
SC202-08	D	Negative Pressure Value Error (Damper8)
SC202-09	D	Negative Pressure Value Error (Damper9)
SC202-10	D	Negative Pressure Value Error (Damper10)
SC202-11	D	Negative Pressure Value Error (Damper11)
SC202-12	D	Negative Pressure Value Error (Damper12)
SC202-31	D	Negative Pressure Value Error (Some Dampers For Head1)
SC202-32	D	Negative Pressure Value Error (Some Dampers For Head2)
SC202-33	D	Negative Pressure Value Error (Some Dampers For Head3)
SC202-40	D	Negative Pressure Value Error (Some Heads For Dampers)
		After ink suction due to a negative pressure error, damper feeler low displacement can not be detected within the specified time.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Suction cap defective • Suction pump defective • Dampers defective • Damper feeler sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the suction pump and the damper feeler sensor. If they are disconnected, connect them correctly and go to step 1. 4. Check the following contents. If there are any problems, do the cleaning and adjustment and go to step 1 or 5. • Clean the head suction cap if it is dirty. • Check if the head suction cap is distorted. Thoroughly check if the top of the head suction cap has dirt or a scratch. • Check if the damper film is distorted. Also check if the damper feeler bends or gets caught in something. • Confirm the position relationships of the damper feeler and the damper feeler sensor. • Check if the head nozzle face has dirt or a scratch. • Clean the head nozzle face if it is dirty. Heavy scratches may lead to replacement of the head nozzle. 5. Replace the head suction cap, the suction pump, the damper feeler sensor, the damper feeler, and the dampers.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC210-01	D	The Main Scan Encoder Detection Error
		Initial check detects an error of the main scan encoder. Refer to the initial check operation flow sheet.
		• Main scan motor, encoder sensor, carriage home position sensor, IOB defective • Encoder sheet dirt or a scratch
		1. Check if a paper jam is caught in the carriage or head section. Also check if an encoder sheet has dirt or a scratch. Clean the dirt if it is dirty. 2. Check if the SC occurs by turning the power OFF then ON. 3. Check the harness connection of the carriage home position sensor. If they are disconnected, connect them correctly and go to step 1. 4. Conduct input check (SP-5748-254) for the carriage home position sensor. If a problem is found, replace the carriage home position sensor and go to step 2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		5. Conduct input check (SP-5748-017) for the encoder sensor. If a problem is found, replace the encoder sensor and go to step 2. 6. Replace the carriage drive motor and go to step 2. 7. Replace IOB and HDC and go to step 2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC210-02	D	Carriage Horizontal Initialization Error
		The carriage home position sensor twice failed to detect that an encoder signal is 250 pulse or more when motions for home position detection are practiced.
		• Main scan motor, encoder sensor, carriage home position sensor, IOB defective • Encoder sheet dirt or a scratch
		1. Check if a paper jam is caught in the carriage or head section. Also check if an encoder sheet has dirt or a scratch. Clean the dirt if it is dirty. 2. Check if the SC occurs by turning the power OFF then ON. 3. Check the harness connection of the carriage home position sensor. If they are disconnected, connect them correctly and go to step 1. 4. Conduct input check (SP-5748-254) for the carriage home position sensor. If a problem is found, replace the carriage home position sensor and go to step 2. 5. Conduct input check (SP-5748-017) for the encoder sensor. If a problem is found, replace the encoder sensor and go to step 2. 6. Replace the carriage drive motor and go to step 2. 7. Replace IOB and HDC and go to step 2.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC211-01	D	Carriage Communication Error
		No response of complete stop signal, forced stop acceptance signal, or no encorder input signal
		• Main scan motor, the encoder sensor, the carriage home position sensor, GAU defective • Encoder sheet dirt or a scratch • Communication memory area error
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check that there is no problem with the driving parts (guide, pully, gear, belt). If a belt has slack, pull in the slack tightly. 3. Replace the driving parts.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC211-02	D	Carriage Hardware Error
		The machine continuously outputs 24V or -24V for 0.03 seconds.
		• Horizontal motor connector loose, broken, defective • Horizontal motor blocked by an obstacle • Horizontal encoder strip dirty • Horizontal encoder strip loose, broken, defective, or installed incorrectly • Horizontal encoder sensor connector loose, broken, defective • Horizontal encoder installed incorrectly • MCU connector loose, broken, defective • Horizontal encoder sensor defective • Horizontal motor defective • MCU defective Motor load error on motor (defective or broken), sensor (defective, broken, or position error), encoder sheet (broken, position error, or dirty), and others.
		1. Check for loose connectors of the sensor monitor, position error of the sensor encoder sheet, and dirt or scratches on the encoder sheet, and then turn the main power switch OFF and back ON. 2. If the carriage does not move first, replace the motor. 3. If the carriage moves first but is not recovered, replace the sensor. 4. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC211-03	D	Main Scan Direction Error
		Encoder count direction and motor moving direction are opposite.
		Wrong connection of harnesses on the motor or encoder.
		1. If the machine works correctly, check for loose connector of the sensor monitor, position error of the sensor encoder sheet, and dirt or a scratches on the encoder sheet, and then turn the main power OFF and back ON. 2. If the error has been recovered but the harness of the motor was not correct, replace the motor harness. 3. If the error has been recovered but the harness of the encorder was not correct, replace the encorder harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC211-04	D	Main Scan Motor Driver Error (Overcurrent)
		Response to a motor driver error (overcurrent) from motor control
		This error is issued when the motor driver is in overcurrent status.
		1. Check that there is no problem with the driving parts (guide, pully, gear, belt). 2. Check that there is no problem with sliding. 3. Replace IOB. 4. If the carriage is not recovered, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC211-05	D	Main Scan Motor Driver Error (Overheating)
		Response to a motor driver error (overheating) from motor control
		This error is generated when the motor driver is in overheating status.
		1. Check that there is no problem with the driving parts (guide, pully, gear, belt). 2. Check that there is no problem on sliding. 3. Check that there is no abnormal odor, smoke, or fire. 4. Replace IOB. 5. If the carriage is not recovered, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC211-06	D	Main Scan Motor Driver Error (Low Voltage)
		Response to a motor driver error (low voltage) from motor control
		This error is generated when the motor driver is in low voltage status. This error is generated when you try to operate the motor in the state in which the interlock switch is off due to system error.
		1. Check if the interlock switch and door open/close switch have an error. 2. Turn the main power OFF and back ON. 3. If it is not recovered by turning the power OFF and back ON, replace IOB. 4. If it is not recovered by replacement of IOB, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC212-00	D	Head Rising Error
		The carriage rising sensor can not detect head rising after 40 seconds or more has elapsed since the carriage rising motor motion started.
		• Carriage rising motor, carriage rising sensor defective • Carriage defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		1. Check if a paper jam is caught in the carriage or head section. If a paper is found, remove it. 2. Check if the SC occurs by turning the power OFF then ON. 3. Turn the lifting lever of the carriage by hand to confirm that the lifting lever moves correctly. Conduct input check (SP-5-803-041, SP-5-803-042) to check if the carriage rising sensor 1,2 detects head rising. If the carriage rising sensor can not detect it, correct the position of the lifting lever and go to step 2. 4. Check the harness connection of the carriage rising motor and the carriage rising sensor 1 or 2. If they are disconnected, connect them correctly and go to step 2. 5. Check if the carriage rising motor moves correctly during output check (SP-5-804-220) by doing it with your eyes and listening carefully the operating sounds. 6. Replace parts as following and go to step 2. • If a problem is found in step 5, replace the carriage rising motor. • If no problem is found in step 5, replace the carriage rising sensor 1,2 7. Replace IOB and HDC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC280-01	D	Suction Timeout Error (Head1)
SC280-02	D	Suction Timeout Error (Head2)
SC280-03	D	Suction Timeout Error (Head3)
		After ink suction, damper feeler low displacement can not detected within the specified time.
		• Suction cap distortion • Suction pump defective • Damper feeler sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the suction pump and the damper feeler sensor. If they are disconnected, connect them correctly and go to step 1. 4. Check the following contents. If there are any problems, do the cleaning and adjustment and go to step 1 or 5. • Clean the head suction cap if it is dirty.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Check if the head suction cap is distorted. Thoroughly check if the top of the head suction cap has dirt or a scratch. • Check if the damper film is distorted. Also check if the damper feeler bends or gets caught in something. • Confirm the position relationships of the damper feeler and the damper feeler sensor. • Check if the head nozzle face has dirt or a scratch. • Clean the head nozzle face if it is dirty. Heavy scratches may lead to replacement of the head nozzle. 5. Replace the head suction cap, the suction pump, the damper feeler sensor, the damper feeler, and the dampers.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC281-00	D	Image Adjustment Sensor Hard Error
		An error code "hard error" or "FROM error" is sent from the colorimetric sensor to the engine.
		• CMOS can not get scanning data in the chart when scanning. • When the machine uses a parameter of FROM, the parameter is over the threshold.
		After turning the power OFF, replace the colorimetric sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC293-01	D	Ink Supply Timeout Error (The Supply Unit Pump 1)
SC293-02	D	Ink Supply Timeout Error (The Supply Unit Pump 2)
SC293-03	D	Ink Supply Timeout Error (The Supply Unit Pump 3)
SC293-04	D	Ink Supply Timeout Error (The Supply Unit Pump 4)
SC293-05	D	Ink Supply Timeout Error (The Supply Unit Pump 5)
SC293-06	D	Ink Supply Timeout Error (The Supply Unit Pump 6)
SC293-07	D	Ink Supply Timeout Error (The Supply Unit Pump 7)
SC293-	D	Ink Supply Timeout Error (The Supply Unit Pump 8)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
08		
SC293-09	D	Ink Supply Timeout Error (The Supply Unit Pump 9)
SC293-10	D	Ink Supply Timeout Error (The Supply Unit Pump 10)
SC293-11	D	Ink Supply Timeout Error (The Supply Unit Pump 11)
SC293-12	D	Ink Supply Timeout Error (The Supply Unit Pump 12)
SC293-31	D	Ink Supply Timeout Error (The Supply Unit Pump For Head1)
SC293-32	D	Ink Supply Timeout Error (The Supply Unit Pump For Head2)
SC293-33	D	Ink Supply Timeout Error (The Supply Unit Pump For Head3)
SC293-40	D	Ink Supply Timeout Error (The Supply Unit Pump For Some Heads)
		After ink supply, the damper feeler can not detect the ink full status within the specified time.
		• Ink end detection mechanism defective • Damper feeler sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Confirm that genuine ink is used. 3. Check the harness connection of the supply unit pump and the solenoid valve. If they are disconnected, connect them correctly and go to step 1. 4. Check the following contents. If there are any problems, do the cleaning and adjustment and go to step 1 or 5. • Check if the solenoid valve opens and closes normally. • Check if the supply unit pump operates. • Check if the damper film is distorted. Also check if the damper feeler bends or gets caught in something. • Confirm the position relationships of the feeler and the damper feeler sensor. 5. Replace the supply solenoid valve, the supply unit pump, the ink end detection mechanism, damper unit (the dampers, the damper feeler, and the damper feeler sensor), IOB, and the filter.

SC300: Not Used

There are no Group 300 service codes for this machine.

SC400: Not Used

There are no Group 400 service codes for this machine.

SC500: Paper Feed, Transport

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-01	D	Cutter Sensor Error
		Both the cutter switches (the return switch on the left and HP switch on the right) remained on during cutting, when the front cover was opened and closed, or when the machine was switched on.
		• IOB defective • Connector dirty • Cutter left return switch harness loose, broken, defective • Cutter left return switch defective • Cutter right return switch harness loose, broken, defective • Cutter right return switch defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the condition of the connector of the cutter sensor (left/right) and clean them. 3. Check the condition of the cutter sensor (left/right) and reconnect them. 4. Replace the cutter sensor (left/right). 5. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-02	D	Cutter Motor Error
		The cutter HP sensor on the right did not go off within 300 ms after the cutter motor was switched on. The cutter did not move from its home position.
		• IOB defective • Connector of the cutter sensor (left/right) dirty • Connector of the cutter motor disconnected • Harness of the cutter motor broken • Cutter sensor (left/right) not installed correctly • Cutter motor not installed correctly • Belt installed not installed correctly • Gear installed not installed correctly • Cutter sensor (left/right) defective • Cutter motor defective • Belt broken
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the condition of the connector of the cutter sensor (left/right) and clean it. 3. Check the harness connection of the cutter motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Check the condition of the cutter sensor (left/right) and reinstall it. 5. Check the condition of the cutter motor and reinstall it. 6. Check the condition of the belt and reinstall it. 7. Check the condition of the gear and reinstall it. 8. Check the condition of the rail and clean it. 9. Replace the cutter sensor (left/right). 10. Replace the cutter motor. 11. Replace the belt. 12. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC508-04	D	Cutter Home Position Return Error
		After normal cutting, the right cutter sensor is not set to ON within 8 sec. after the cutter returns to its home position.
		• IOB defective • Connector of the cutter sensor (right) dirty • Connector of the cutter motor disconnected • Harness of the cutter motor broken • Cutter sensor (right) not installed correctly • Cutter motor not installed correctly • Belt not installed correctly • Gear not installed correctly • Rail not installed correctly • Foreign objects • Cutter sensor (right) defective • Cutter motor defective • Belt broken
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the cutter sensor (right). 3. Check the harness connection of the cutter motor. 4. Check the condition of the cutter sensor (right) and reinstall it. 5. Check the condition of the cutter motor and reinstall it. 6. Check the condition of the belt and reinstall it. 7. Check the condition of the gear and reinstall it. 8. Check the condition of the rail and clean it. 9. Replace the cutter sensor (right). 10. Replace the cutter motor. 11. Replace the belt.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		12. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-01	D	Vertical Paper Feed Mechanism Communication Error
		No response of complete stop signal, forced stop acceptance signal, or motor stop voltage update
		• Motor, encoder sensor, encoder sheet dirty or scratched, or GAU defective • Communication memory area error
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check that there is no problem with the driving parts (registration roller and its parts, gear, roller, belt, pinch roller). If a belt has slack, pull in the slack tightly. 3. Replace the driving parts. 4. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-02	D	Vertical Paper Feed Hardware Error
		• The machine continuously outputs -24 V for 2.5 seconds. • While the machine drives intermittently and the specified voltage (The SP value of Roll End Detection Limit Voltage) is applied, the machine continuously outputs 3 or less pulses in 500 µs for the specified seconds (The SP value of Roll End Detection Duration - 0.1). SP1-954-001 (Roll End Detection Limit Voltage) SP1-954-002 (Roll End Detection Duration)
		• Motor (defective or broken), sensor (defective, broken, or position error), encoder sheet (broken, position error, or dirty), or other rotation load error.
		1. After checking the following contents, check if the SC occurs by turning the power OFF then ON. • Connector of sensor or motor disconnected • Sensor or encoder sheet not installed in the correct position • Encoder sheet dirty or scratched 2. If the motor does not move at all after step 1, replace the motor. If it is not recovered, go to step 4. 3. If the motor moves but does not work normally, replace the sensor. 4. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-	D	Vertical Paper Feed Operation Direction Error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
03		While the machine drives intermittently, the paper feed encoder sensor outputs 500 pulses in the opposite direction from the start position.
		Wrong connection of harnesses on the motor or encoder.
		1. After checking the following contents, check if the SC occurs by turning the power OFF then ON. • Connector of sensor or motor disconnected • Sensor or encoder sheet not installed in the correct position • Encoder sheet dirty or scratched 2. After the main switch has been turned OFF and ON or the motor or an encoder error has been recovered, and then if the harness of the motor was not correct, replace the motor harness. 3. After the main switch has been turned OFF and ON or the motor or an encoder error has been recovered, and then if the harness of the encorder was not correct, replace the encorder harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-04	D	Sub Scan Motor Driver Error (Overcurrent)
		Response to the motor driver error (overcurrent) from motor control
		This error is issued when the motor driver is in overcurrent status.
		1. Check that there is no problem on the driving parts (registration roller and its parts, gear, roller, belt, and pinch roller). 2. Check that there is no problem on sliding. 3. If no problem is found above but it is not recovered by setting the main power switch to OFF and back ON, replace IOB. 4. If it is not recovered after step 3, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-05	D	Sub Scan Motor Driver Error (Overheating)
		Response to a motor driver error (overheating) from motor control
		This error is generated when the motor driver is in overheating status.
		1. Check that there is no problem on the driving parts (registration roller and its parts, gear, roller, belt, and pinch roller). 2. Check that there is no problem on sliding. 3. Check that there is no abnormal odor, smoke, or fire. 4. If no problem is found above but it is not recovered by setting the main power switch to OFF and back ON, replace IOB. 5. If it is not recovered after step 4, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-06	D	Sub Scan Motor Driver Error (Low Voltage)
		Response to the motor driver error (low voltage) from motor control
		This error is generated when the motor driver is in low-voltage status. This error is generated when you try to operate the motor in the state in which the interlock SW is off due to system error.
		1. Check the condition of the interlock switch and the door open/close switch. 2. Check if the SC occurs by turning the power OFF then ON. 3. If it is not recovered after step 2, replace IOB. 4. If it is not recovered after step 3, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-01	D	Paper Feed Communication Error
		No response to forced stop acceptance signal
		• Motor, encoder sensor, encoder sheet dirty or scratched, or GAU defective • Communication memory area error
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check that there is no problem with the driving parts (registration roller and its parts, gear, and others). If a belt has slack, pull in the slack tightly. 3. If it is not recovered after step 2, replace the driving parts. 4. If it is not recovered after step 2, replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-02	D	Paper Feed Hardware Error
		• The machine continuously outputs 24 V or -24 V for 2.5 seconds.
		Motor (defective or broken), sensor (defective, broken, or position error), encoder sheet (broken, position error, or dirty), and motor load error.
		1. After checking the following contents, check if the SC occurs by turning the power OFF then ON. • Connector of sensor or motor disconnected • Sensor or encoder sheet not installed in the correct position • Encoder sheet dirty or scratched 2. If the motor does not move at all after step 1, replace the motor. If it is not recovered, go to step 4. 3. If the motor moves but does not work normally, replace the sensor. 4. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-03	D	Paper Feed Moving Direction Error
		While the machine drives intermittently, the paper feed encoder sensor outputs 500 pulses in the opposite direction from the start position.
		Wrong connection of harnesses on the motor or encoder.
		1. After checking the following contents, check if the SC occurs by turning the power OFF then ON. • Connector of sensor or motor disconnected • Sensor or encoder sheet not installed in the correct position • Encoder sheet dirty or scratched 2. After the main switch has been turned OFF and ON or the motor or an encoder error has been recovered, and then if the harness of the motor was not correct, replace the motor harness. 3. After the main switch has been turned OFF and ON or the motor or an encoder error has been recovered, and then if the harness of the encorder was not correct, replace the encorder harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-04	D	Paper Feed Motor Driver Error (Overcurrent)
		Response to motor driver error (overcurrent) from motor control
		This error is issued when the motor driver is in overcurrent status.
		1. Check that there is no problem on the driving parts (registration roller and its parts, gear, roller, belt, and pinch roller). 2. Check that there is no problem on sliding. 3. If no problem is found above but it is not recovered by setting the main power switch to OFF and back ON, replace IOB. 4. If it is not recovered after step 3, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-05	D	Paper Feed Motor Driver Error (Overheat)
		Response to motor driver error (overheat) from motor control
		This error is generated when the motor driver is in overheating status.
		1. Check that there is no problem on the driving parts (registration roller and its parts, gear, roller, belt, and pinch roller). 2. Check that there is no problem on sliding. 3. Check that there is no abnormal odor, smoke, or fire. 4. If no problem is found above but it is not recovered by setting the main power switch to OFF and back ON, replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		5. If it is not recovered after step 4, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-06	D	Paper Feed Motor Driver Error (Low Voltage)
		Response to motor driver error (low voltage) from motor control
		This error is generated when the motor driver is in low voltage status. This error is generated when you try to operate the motor in the state in which the interlock SW is off due to system error.
		1. Check if the interlock switch and door open switch have an error. 2. Turn the main power OFF and back ON. 3. If it is not recovered by turning the power OFF and back ON, replace IOB. 4. If it is not recovered by replacement of IOB, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-01	D	Roll-up Communication Error
		No response of slack driving signal or forced stop acceptance signal.
		• Motor, encoder sensor, encoder sheet dirty or scratched, or GAU defective • Communication memory area error
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check that there is no problem with the driving parts (registration roller and its parts, gear, and others). 3. Replace the driving parts. 4. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-02	D	Roll-up Hardware Error
		• The machine continuously outputs 24 V or -24 V for 2.5 seconds.
		Motor (defective or broken), sensor (defective, broken, or position error), encoder sheet (broken, position error, or dirty), and motor load error.
		1. After checking the following contents, check if the SC occurs by turning the power OFF then ON. • Connector of sensor or motor disconnected • Sensor or encoder sheet not installed in the correct position • Encoder sheet dirty or scratched 2. If the motor does not move at all after step 1, replace the motor. If it is not recovered, go to step 4. 3. If the motor moves but does not work normally, replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-03	D	Roll-up Moving Direction Error
		While the machine drives intermittently, the paper feed encoder sensor outputs 500 pulses in the opposite direction from the start position.
		Wrong connection of harnesses on the motor or encoder.
		1. After checking the following contents, check if the SC occurs by turning the power OFF then ON. • Connector of sensor or motor disconnected • Sensor or encoder sheet not installed in the correct position • Encoder sheet dirty or scratched 2. After the main switch has been turned OFF and ON or the motor or an encoder error has been recovered, and then if the harness of the motor was not correct, replace the motor harness. 3. After the main switch has been turned OFF and ON or the motor or an encoder error has been recovered, and then if the harness of the encorder was not correct, replace the encorder harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-04	D	Paper Output Motor Driver Error (Overcurrent)
		Response to motor driver error (overcurrent) from motor control
		This error is issued when the motor driver is in overcurrent status.
		1. Check that there is no problem on the driving parts (registration roller and its parts, gear, roller, belt, and pinch roller). 2. Check that there is no problem on sliding. 3. If no problem is found above but it is not recovered by setting the main power switch to OFF and back ON, replace IOB. 4. If it is not recovered after step 3, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-05	D	Paper Output Motor Driver Error (Overheat)
		Response to motor driver error (overheat) from motor control
		This error is generated when the motor driver is in overheating status.
		1. Check that there is no problem on the driving parts (registration roller and its parts, gear, roller, belt, and pinch roller). 2. Check that there is no problem on sliding.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		3. Check that there is no abnormal odor, smoke, or fire. 4. If no problem is found above but it is not recovered by setting the main power switch to OFF and back ON, replace IOB. 5. If it is not recovered after step 4, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-06	D	Paper Output Motor Driver Error (Low Voltage)
		Response to motor driver error (low voltage) from motor control
		This error is generated when the motor driver is in low voltage status.
		1. Check if the interlock switch and door open/close switch have an error. 2. Turn the main power OFF and back ON. 3. If it is not recovered by turning the power OFF and back ON, replace IOB. 4. If it is not recovered by replacement of IOB, replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-00	D	Transport Suction Fan 1 Error
		• The check system always operates while the transport suction fan is ON mode. • Sampling period: The check system determines that it is the error when the number of revolution during 0.3 seconds is 100 rpm or less three times consecutively.
		• IOB defective • Harness broken • Connector disconnected • Transport suction fan defective • Transport suction fan locked
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the transport suction fan. If it is disconnected, connect it correctly. 3. Check the condition of the transport suction fan and clean it. 4. Replace the transport suction fan. 5. Replace the relay cable of the transport suction fan. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC532-00	D	PSU Fan 1 Error
		Abnormal (locked) condition is detected 50 times (for 5 seconds) consecutively.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• IOB defective • Harness broken • Connector disconnected • Fan defective • Fan locked
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of two PSU fans. If they are disconnected, connect them correctly. 3. Check the condition of two PSU fans and clean them. 4. Replace two PSU fans. 5. Replace the relay cable of two PSU fans. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC533-01	D	Internal Air Intake Fan Error
		Abnormal (locked) condition is detected 50 times (for 5 seconds) consecutively.
		• IOB defective • Harness broken • Connector disconnected • Fan defective • Fan locked
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the internal air intake fan. If it is disconnected, connect it correctly. 3. Check the condition of the internal air intake fan and clean them. 4. Replace the internal air intake fan. 5. Replace the relay cable of the internal air intake fan. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC533-02	D	Internal Ventilation Fan 1 Error
SC533-03	D	Internal Ventilation Fan 2 Error
		Abnormal (locked) condition is detected 50 times (for 5 seconds) consecutively.
		• IOB defective • Harness broken

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Connector disconnected • Fan defective • Fan locked
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the internal ventilation fan. If it is disconnected, connect it correctly. 3. Check the condition of the internal ventilation fan and clean them. 4. Replace the internal ventilation fan. 5. Replace the relay cable of the internal ventilation fan. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC534-01	D	Carriage Cooling Fan 1 Error
SC534-02	D	Carriage Cooling Fan 2 Error
SC534-03	D	Carriage Cooling Fan 3 Error
		After electrostatic noise of the input signal (approximately 1 ms) is removed, Approximately 20 ns lock signal is detected five times consecutively in FPGA. (This error itself occurs when approximately 105 ns is detected.)
		• HDC defective • Harness broken • Connector disconnected • Fan locked or defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the carriage cooling fan. If it is disconnected, connect it correctly. 3. Check the condition of the carriage cooling fan and clean them. 4. Replace the carriage cooling fan. 5. Replace the relay cable of the carriage cooling fan. 6. Replace HDC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC535-00	D	Fan Motor Stop
		Abnormal (locked) condition is detected 50 times (for 5 seconds) consecutively.
		• Fan defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Fan lock • Connector disconnected • Harness broken • IOB defective
		1. Check if the SC occurs by turning the power switch OFF, and then ON. 2. Check the harness connection of the dry curing fan. 3. Check the condition of the dry curing fan and clean. 4. Replace the dry curing fan. 5. Replace the relay cable of the dry curing fan. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC541-01	D	Pre-heater Thermistor Broken (Sensor 1)
SC541-02	D	Pre-heater Thermistor Broken (Sensor 2)
		This error is generated immediately when the temperature becomes -20 degrees or lower for 20 seconds consecutively on the display.
		• Pre-heater thermistor, thermopile broken or connector disconnected. • Operating environment is less than -20 degrees.
		• Check the connector. • Replace pre-heater thermistor, thermopile. • Set the operating environment to -19 degrees or more.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-01	D	Pre-Heater Thermistor Reload Failure (Heater 1)
SC542-02	D	Pre-Heater Thermistor Reload Failure (Heater 2)
		• Reloading is not completed within the specified time. • When it can not rise to the outside temperature plus 30 degrees.
		• Pre-heater broken or connector disconnected • Heater circuit broken by pre-heater thermostat operation. • Pre-heater thermistor is floating, deformation. • Reduction of input voltage • Low temperature environment (outside the guaranteed range)
		• Make the operating environment 15 degrees or higher. • Check input voltage. • Replace heater.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Replace the thermostat. • Check if the thermistor is floating. • Check the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC543-01	D	Software Overheat Detection (Sensor 1)
SC543-02	D	Software Overheat Detection (Sensor 2)
		The machine detects the temperature above the setting value (initial value: 95 degrees) of SP1-141-112 (Pre-Heater High Temp. Detect) for one second or more.
		• Thermostat (SSR or others) defective • Software runaway
		• Check the condition of the thermostat and replace it.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC545-01	D	Pre-Heater Upper Fusing Lamp Lit Continuously (Heater 1)
SC545-02	D	Pre-Heater Center Fusing lamp lit continuously (Heater 2)
		• When the lamp lights for 300 seconds or more after reloading, the temperature does not reach the target temperature. • When it can not rise to the outside temperature plus 30 degrees.
		• Input voltage reduction • Pre-heater thermistor floating • Heater broken or connector disconnected. • Heater circuit broken by thermostat operation. • Low temperature environment (outside the guaranteed range)
		• Check input voltage and pre-heater thermistor. • Make the operating environment 15 degrees or higher. • Check the connector. • Replace the heater. • Replace the thermostat.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-01	D	Fusing Relay Contact Welded (Resulting From Zero Cross 1)
		After the interlock door is fixed to close, the zero cross 1 signal is detected before

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		turning ON the fusing relay.
		• Fusing relay defective (contact welded) • Fusing relay drive circuit defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection between CN480 on ACD and CN149 on IOB. 3. Replace ACD. 4. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-02	D	Fusing Relay Contact Defective (Resulting From Zero Cross 1)
		After relay is ON, the zero cross 1 signal is not detected.
		• Fusing relay defective (contact open) • Fusing relay drive circuit defective • Harness broken between ACD and IOB
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection between CN480 on ACD and CN149 on IOB. 3. Replace ACD. 4. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-03	D	Zero Cross Error (Low Frequency Error)
		The AC power supply frequency is low or unstable.
		Unstable commercial power supply frequency
		1. Turn the main power switch off and on. 2. If turning the main power switch off and on does not solve the problem, check the power supply line from the wall socket. 3. Check and replace ACD, IOB, and harnesses.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-11	D	Fusing Relay Contact Welded (Resulting From Zero Cross 2)
		After the interlock door is fixed to close, the zero cross 2 signal is detected before turning ON the fusing relay.
		• Fusing relay defective (contact welded) • Fusing relay drive circuit defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection between CN480 on ACD and CN149 on IOB. 3. Replace ACD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC551-01	D	Print Heater Thermistor Broken (Sensor 3)
SC551-02	D	Print Heater Thermistor Broken (Sensor 4)
SC551-03	D	Print Heater Thermistor Broken (Sensor 5)
		This error is generated immediately when the temperature becomes -20 degrees or lower for 20 seconds consecutively on the display.
		• Print heater thermistor broken or connector disconnected. • Operating environment is less than -20 degrees.
		• Check the connector. • Replace print heater thermistor, thermopile. • Set the operating environment to -19 degrees or more.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC552-01	D	Print Heater Thermistor Reload Failure (Heater 3)
SC552-02	D	Print Heater Thermistor Reload Failure (Heater 4)
SC552-03	D	Print Heater Thermistor Reload Failure (Heater 5)
		• Reloading time exceeds the specified time (900 seconds). • When it can not rise to the outside temperature plus 30 degrees.
		• Print heater broken or connector disconnected • Heater circuit broken by print heater thermostat • Print heater thermistor float, deformation. • Reduction of input voltage • Low temperature environment (outside the guaranteed range)
		• Check input voltage and pre-heater thermistor. • Make the operating environment 15 degrees or higher. • Replace the print heater. • Replace the print heater thermostat. • Check if the print heater thermistor is floating. • Check the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC553-01	D	Software Overheat Detection (Sensor 3)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC553-02	D	Software Overheat Detection (Sensor 4)
SC553-03	D	Software Overheat Detection (Sensor 5)
		The machine detects the temperature above 95 degrees for one second or more.
		• ACD (a triac or others) defective • Software runaway
		• Check the condition of ACD and replace it.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC555-01	D	Print Heater End Right lit continuously (Heater 3)
SC555-02	D	Print Heater Center lit continuously (Heater 4)
SC555-03	D	Print Heater End Left lit continuously (Heater 5)
		• When the lamp lights for 300 seconds or more after reloading, the temperature does not reach the target temperature. • When it can not rise to the outside temperature plus 30 degrees.
		• Input voltage reduction • Low temperature environment (outside the guaranteed range) • Print heater thermistor floating • Heater broken or connector disconnected. • Heater circuit broken by thermostat operation.
		• Check input voltage and print heater thermistor. • Make the printer operating 15 degrees or higher. • Check the connector. • Replace the heater. • Replace the thermostat.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC557-00	C	Zero Cross Error (High Frequency)
		The AC power supply frequency is high or unstable.
		• Unstable commercial power supply frequency • Noise
		Nothing

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC561-	D	Post heater Thermistor Broken (Sensor 6)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
01		
SC561-02	D	Post heater Thermistor Broken (Sensor 7)
SC561-03	D	Post heater Thermistor Broken (Sensor 8)
		This error is generated immediately when the temperature becomes -20 degrees or lower for 20 seconds consecutively on the display.
		• Post heater thermistor, thermopile broken or disconnected. • Operating environment is less than -20 degrees.
		• Check the connector. • Replace post heater thermistor, thermopile. • Set the operating environment to -19 degrees or more.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC562-01	D	Post heater Thermistor Reload Failure (Sensor 6)
SC562-02	D	Post heater Thermistor Reload Failure (Sensor 7)
		• Reloading time exceeds the specified time. • When it can not rise to the outside temperature plus 30 degrees.
		• Input voltage reduction • Low temperature environment (outside the guaranteed range) • Post heater broken or connector disconnected. • Heater circuit broken by post heater thermostat. • Post heater thermistor float, deformation.
		• Check input voltage. • Make the operating environment 15 degrees or higher. • Replace the post heater. • Replace the post heater thermostat. • Check if the post heater thermistor is floating. • Check the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC563-01	D	Software Overheat Detection (Sensor 6)
SC563-02	D	Software Overheat Detection (Sensor 7)
SC563-03	D	Software Overheat Detection (Sensor 8)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The machine detects the temperature above 109 degrees for one second or more.
		• ACD (a triac or others) defective • Software runaway
		• Check the condition of ACD, IOB, and harnesses, and then replace.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC565-01	D	Post Heater Upper Lit Continuously (Heater 6)
SC565-02	D	Post Heater Center Lit Continuously (Heater 7)
		When the lamp lights for 450 seconds or more after reloading, the temperature does not reach the target temperature.
		• Input voltage reduction • Low temperature environment (outside the guaranteed range) • Post heater thermistor floating • Heater broken or connector disconnected. • Heater circuit broken by thermostat operation.
		• Check input voltage and post heater thermistor. • Make the operating environment 15 degrees or higher. • Check the connector. • Replace the heater. • Replace the thermostat.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC571-00	D	Cure Heater Thermopile Broken (Sensor 9)
		This error is generated immediately when the temperature becomes -20 degrees or lower for 20 seconds consecutively on the display.
		• Cure heater thermopile broken or disconnected • Operating environment is less than -20 degrees.
		• Check the connector. • Replace the cure heater thermopile. • Set the operating environment to -19 degrees or more.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC572-00	A	Cure Heater Thermistor Reload Failure (Sensor 10, 11)
		The specified temperature is not reached within the elapsed time.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Setting of the specified temperature and the elapsed time can be done in SP1-141-113,114. The temperature does not reach the outside air temperature+15 degrees.
		• Input voltage reduction • Low temperature environment (outside the guaranteed range) • Cure heater broken or connector disconnected • Heater circuit broken by cure heater thermostat • Cure heater thermistor float, deformation.
		• Check input voltage. • Make the operating environment 15 degrees or higher. • Replace the cure heater. • Replace the cure heater thermostat. • Check if the cure heater thermistor is floating. • Check the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC573-01	D	Temperature and Humidity Sensor Error (Temperature)
		Temperature and humidity sensor error is detected for the specified period of time.
		• IOB defective • Harness broken • Connector disconnected • Temperature/Humidity Sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the temperature and humidity sensor. 3. Check the condition of the temperature and humidity sensor and clean it. 4. Replace the temperature and humidity sensor. 5. Replace the relay cable of the temperature and humidity sensor. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC573-02	D	Temperature and Humidity Sensor Error (Temperature)
		Temperature and humidity sensor error is detected for the specified period of time.
		• IOB defective • Harness broken • Connector disconnected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Temperature/Humidity Sensor defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Check the harness connection of the temperature and humidity sensor. 3. Check the condition of the temperature and humidity sensor and clean it. 4. Replace the temperature and humidity sensor. 5. Replace the relay cable of the temperature and humidity sensor. 6. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC574-01	A	Hardware Overheat Detection (Sensor 1, 2, 10, 11)
		This SC is generated when hardware electric circuit detects thermistor temperature and it exceeds the specified temperature. • Sensor 1, 2 :thermistor temperature 105 degrees • Sensor 10, 11 :thermistor temperature 85 degrees
		• ACD (a triac or others) defective • Software runaway • Thermistor shorted • IOB defective
		• Check the condition of ACD, IOB, and harnesses, and then replace.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC574-02	D	Hardware Overheat Detection (Sensor 3, 4, 5, 6, 7, 8)
		This SC is generated when the hardware electric circuit detects thermistor temperature and it exceeds the specified temperature. • Sensor 3, 4, 5 :thermistor temperature 105 degrees • Sensor 6, 7, 8 :thermistor temperature 110 degrees
		• ACD (a triac or others) defective • Software runaway • Thermistor shorted • IOB defective
		• Check the condition of ACD, IOB, and harnesses, and then replace.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC576-01	A	Software Overheat Detection (Sensor 9)
SC576-02	A	Software Overheat Detection (Sensor 10)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC576-03	A	Software Overheat Detection (Sensor 11)
		• SC576-01 (Sensor 9) is generated when 140 degrees or more are detected. • SC576-02, 03 (Sensor 10, 11) are generated when 80 degrees or more are detected.
		• ACD (a triac or others) defective • Software runaway
		• Set the temperature to 20 degrees (initial value) in SP1-100-018. If the error occurs again, raise the temperature slightly. • Check and replace ACD, IOB, and harnesses.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC581-01	D	Reflector Thermistor Broken (Sensor 10)
SC581-02	D	Reflector Thermistor Broken (Sensor 11)
		This error is generated immediately when the temperature becomes -20 degrees or lower for 20 seconds consecutively on the display.
		• Thermistor broken or disconnected. • Operating environment is less than -20 degrees.
		• Check the connector. • Replace the thermistor. • Set the operating environment to -19 degrees or more.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC585-00	D	Low Voltage Detection
		By the voltage detection, it is found that input voltage is under 170 V for five seconds or more consecutively.
		Input Voltage
		Check the input voltage.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC586-00	A	High Voltage Detection
		By the voltage detection, it is found that input voltage exceeds 287 V.
		Input Voltage
		Check the input voltage.

SC600: Communication

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC625-00	D	Head Driving Md Image Adjustment Sensor Error
		Timeout occurred in the state that the colorimetric sensor completion interrupt signal was waiting.
		Colorimetric Sensor Communication Error
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect the harness connector CN1 of the colorimetric sensor to CN118 on HDC. 3. Replace the harness. 4. Replace the colorimetric sensor. 5. Replace HDC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC641-00	D	Communication error between engine board and controller board.
		Engine board does not respond after controller board tries to communicate three times.
		• Controller board/software error • Connect error between controller board and engine board • Engine board software error
		• Check connections between controller board and engine board. • Turn the main switch off and on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC652-00	A	Remote service ID2 mismatching
		There was an authentication mismatch between ID2 for @Remote, GAU, and NV-RAM.
		• Used GAU installed • Used NV-RAM installed (such action is not allowed.)
		1. If this occurs during RC Gate installation:Check the validity of the certificate and the NV-RAM, check the machine serial number, delete the individual certificate, and then begin installation again. 2. If this occurs after RC Gate installation:Clear the RC Gate install status, check the validity of the certificate and the NV-RAM, check the machine serial number, delete the individual certificate, and then begin installation again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC653-00	A	Incorrect remote service ID2

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		ID2 stored in the NV-RAM has either of the following problems. • Number of characters is not 17. • Includes a character that cannot be printed. • All spaces • NULL
		Replace the NV-RAM.
		Clear the RC Gate install status, rewrite ID2, and then begin installation again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC660-00	D	DDR Initialization Error
		The software watches the register that finishes the DDR initialization of FPGA, and time out is generated (500 ms).
		• Parts on GAU defective • The short circuit caused by dust or others
		1. Check if the SC occurs by turning the power OFF then ON. 2. Do the cleaning. 3. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC661-01	D	Command Communication Error HDC1
SC661-02	D	Command Communication Error HDC1
SC661-03	D	Command Communication Error HDC1
SC661-04	D	Command Communication Error HDC1
		• SC661-01 The software watches BUSY of the HDC register and window register CH1 before issuing the command, and then time out is generated (150 times). • SC661-02 The software watches BUSY of the HDC register and window register CH1 after issuing the command, and then time out is generated (30 times). • SC661-03 When the software issues the commands of the HDC register and window register CH1, the retry is performed three times consecutively by perr. • SC661-04

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Interrupt processing (CH1) of FPGA being scanning is not generated.
		• GAU and HDC board disconnected • The parts on the boards defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect the harness connector CN102 on HDC1 to CN208 on GAU. 3. Replace the harness. 4. Replace HDC1 board . 5. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC662-01	D	Command Communication Error HDC2
SC662-02	D	Command Communication Error HDC2
SC662-03	D	Command Communication Error HDC2
SC662-04	D	Command Communication Error HDC2
		• SC662-01 The software watches BUSY of the HDC register and window register CH2 before issuing the command, and then time out is generated (150 times). • SC662-02 The software watches BUSY of the HDC register and window register CH2 after issuing the command, and then time out is generated (30 times). • SC662-03 When the software issues the commands of the HDC register and window register CH2, the retry is performed three times consecutively by perr. • SC662-04 The software does not detected the interrupt processing (CH2) of FPGA during scanning.
		• GAU and HDC board disconnected • The parts on the boards defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect the harness connector CN102 on HDC2 to CN209 on GAU. 3. Replace the harness. 4. Replace HDC2 board . 5. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC663-00	D	IOB Does Not Start
		This SC occurs when IOB Wake signal is not on the wake side.
		• IOB broken • GAU broken • Connectors between GAU and IOB disconnected • PSU 5V not output
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect the connector CN165 on IOB. 3. Replace IOB. 4. Replace GAU . 5. Replace PSU (+5V).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-01	D	VODKA SRAM program expansion error
SC664-02	D	VODKA SRAM program expansion error
SC664-03	D	VODKA SRAM program expansion error
		SC664-01: VODKA SRAM access permission error (Write permission denied) SC664-02: VODKA SRAM write error (write result abnormal) SC664-03: VODKA program startup error
		• Electric noises and hardware defect
		• IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-01	D	Head Driving Md Connector Connection Error Head 1
SC665-02	D	Head Driving Md Connector Connection Error Head 2
SC665-03	D	Head Driving Md Connector Connection Error Head 3
		HORUS terminals: PTC1(GAU_LOCK_N) and PTC2(HDC_LOCK_N) detect the low level after the emergency stop error interrupts HORUS from HDC. Then, this error is detected by the flag register associated with errors of the FPGA (TAHEI 1/2) with HDC.
		Harness disconnected
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect the connector CN106-111 on HDC. 3. Replace the head harness according to the branch number.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Replace HDC. 5. Replace the head according to the branch number.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC666-01	D	Head Driving Md Thermistor Error Head 1
SC666-02	D	Head Driving Md Thermistor Error Head 2
SC666-03	D	Head Driving Md Thermistor Error Head 3
		HORUS terminals: PTC1(GAU_LOCK_N) and PTC2(HDC_LOCK_N) detect the low level after the emergency stop error interrupts HORUS from HDC. Then, this error is detected by the flag register associated with errors of the FPGA (TAHEI 1/2) with HDC.
		• Cooling fan defective • Temperature rise due to heavy printing duty • Thermistor broken, ground fault
		1. Check if the SC occurs by turning the power OFF and after 10 minutes, turning the power ON. 2. Reconnect the connector CN106-111 on HDC. 3. Replace the head harness according to the branch number. 4. Replace HDC. 5. Replace the head according to the branch number.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC666-05	D	Head Driving Md Thermistor Error HDC
		HORUS terminals: PTC1(GAU_LOCK_N) and PTC2(HDC_LOCK_N) detect the low level after the emergency stop error interrupts HORUS from HDC. Then, this error is detected by the flag register associated with errors of the FPGA (TAHEI 1/2) with HDC.
		• Cooling fan defective • Temperature rise due to heavy printing duty • Thermistor broken, ground fault
		1. Check if the SC occurs by turning the power OFF and after 10 minutes, turning the power ON. 2. Reconnect the connector CN106-111 on HDC. 3. Replace the carriage temperature thermistor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Replace HDC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC666-06	D	Head Driving Md HDC Error
		• HORUS terminals: PTC1(GAU_LOCK_N) and PTC2(HDC_LOCK_N) detect the low level after the emergency stop error interrupts HORUS from HDC. Then, this error is detected by the flag register associated with errors of the FPGA (TAHEI 1/2) with HDC. • Time out for command responses occurs when printing or doing ide discharge.
		• Melting fuse due to over current, short circuit, sky fault. • Stop to provide the current by melting fuse, low voltage due to over current, • Circuit for generating power defective. • FROM defective, access error, image data bit error • FPGA operation error • HDC circuit defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect the connector CN100-102, CN106-111 on HDC. 3. Replace HDC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC666-07	D	Head Driving Md Over Current Error Head 1
SC666-08	D	Head Driving Md Over Current Error Head 2
SC666-09	D	Head Driving Md Over Current Error Head 3
		• HORUS terminals: PTC1(GAU_LOCK_N) and PTC2(HDC_LOCK_N) detect the low level after the emergency stop error interrupts HORUS from HDC. Then, this error is detected by the flag register associated with errors of the FPGA (TAHEI 1/2) with HDC.
		Over current due to ink leaking or harness ground fault or others
		1. Check if the SC occurs by turning the power OFF then ON. 2. Replace the head harness according to the branch number. 3. Replace HDC. 4. Replace the head according to the branch number.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC666-13	D	Head Driving Md Communication Error
		• HORUS terminals: PTC1(GAU_LOCK_N) detects the high level after the emergency stop error interrupts HORUS from HDC. • HORUS terminals: PTC2(HDC_LOCK_N) detects the high level after the emergency stop error interrupts HORUS from HDC. • HORUS terminals: PTC1(GAU_LOCK_N) and PTC2(HDC_LOCK_N) detect the high level after the emergency stop error interrupts HORUS from HDC. Then, this error is detected by the flag register associated with errors of the FPGA (TAHEI 1/2) with HDC. Rx/Tx Vx1 unestablished error (0xAC1 bit 0/1)= 1, which is the object of a detection. • Configuration is not completed three times.
		Communication between GAU - HDC can not complete due to the following cause. • Connector disconnected • harness broken • Receive device defective
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect CN208 on GAU. 3. Reconnect CN102 on HDC. 4. Replace GAU. 5. Replace HDC.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669-01	D	EEPROM OPEN: ID error
SC669-02	D	EEPROM OPEN: Channel error
SC669-03	D	EEPROM OPEN: Device error
SC669-04	D	EEPROM OPEN: Communication abort error
SC669-05	D	EEPROM OPEN: Communication timeout error
SC669-06	D	EEPROM OPEN: Operation stopped error
SC669-07	D	EEPROM OPEN: Buffer full
SC669-	D	EEPROM OPEN: No error code

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
08		
SC669-09	D	EEPROM CLOSE: ID error
SC669-10	D	EEPROM CLOSE: No error code
SC669-11	D	EEPROM Data write: ID error
SC669-12	D	EEPROM Data write: Channel error
SC669-13	D	EEPROM Data write: Device error
SC669-14	D	EEPROM Data write: Communication abort error
SC669-15	D	EEPROM Data write: Communication timeout error
SC669-16	D	EEPROM Data write: Operation stopped error
SC669-17	D	EEPROM Data write: Buffer full
SC669-18	D	EEPROM Data write: No error code
SC669-19	D	EEPROM Data read: ID error
SC669-20	D	EEPROM Data read: Channel error
SC669-21	D	EEPROM Data read: Device error
SC669-22	D	EEPROM Data read: Communication abort error
SC669-23	D	EEPROM Data read: Communication timeout error
SC669-24	D	EEPROM Data read: Operation stopped error
SC669-25	D	EEPROM Data read: Buffer full
SC669-26	D	EEPROM Data read: No error code

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669-27	D	EEPROM Device detection: ID error
SC669-28	D	EEPROM Device detection: Channel error
SC669-29	D	EEPROM Device detection: Device error
SC669-30	D	EEPROM Device detection: Communication abort error
SC669-31	D	EEPROM Device detection: Communication timeout error
SC669-32	D	EEPROM Device detection: Operation stopped error
SC669-33	D	EEPROM Device detection: Buffer full
SC669-34	D	EEPROM Device detection: No error code
SC669-36	D	SRAM expansion verify error
SC669-37	D	Malfunction detection error
		Received an error notification during EEPROM communication and does not resume after 3 retries.
		• EEPROM disconnected • NO EEPROM • EEPROM broken • MAIN broken • Data corrupted due to noise
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reconnect EEPROM on GAU. 3. Replace EEPRO on GAU. 4. Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-01	D	When machine power on, the engine does not start up.
		1. ENGRDY signal not asserted. 2. PCI does not link up when recovering from the energy saving mode. 3. No RAPI response of EC / PC / SC command from engine

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		4. Writing error to the RAPI driver 5. GAU board is down /not stable
		Engine board does not start up.
		1. Turn the main switch off and on ten times consecutively, and then confirm that this SC occurs once or more. 2. Check connections between GAU and the engine board by reconnecting connectors, and then check if the SC occurs. 3. Replace as the following steps. 1. GAU 2. PSU

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-02	D	When machine power on, the engine down
		• CPU reset by WDT • CPU reset by the software • CPU reset by CPU exception • Slave VODKA reset • Hardware defective / CPU reset by noise • Hardware defective / Slave VODKA reset by noise
		Engine board reset at unintended timing
		1. Ask customers about the machine condition when this SC occured. Turn the main switch off and on ten times consecutively, and then confirm that this SC occurs once or more. 2. Check the version of the engine firmware and the controller firmware. (Update them to the latest version.) 3. Check connections between GAU and the engine board by reconnecting connectors, and then check if the SC occurs. 4. Replace as the following steps. 1. GAU 2. PSU

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-03	D	GAU Engine Unit Startup Error
		VDET_EPCI signal does not assert.
		PSU/GAU board defective
		• Turn the main switch off and on ten times consecutively, and then confirm that this SC occurs once or more.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• Replace as the following steps. 1. PSU 2. CTL

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-04	D	Link Up Error
		Link up transaction was not completed.
		• PSU/GAU board defective • FPGA (Yatsuhashi) error
		• Turn the main switch off and on ten times consecutively, and then confirm that SC occurs once or more. • Replace GAU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC684-01	C	Nozzle Cleaning Cartridge: EEPROM Communication Error
		I2C Communication Error
		• EEPROM data corrupted • Connector disconnected • No EEPROM • EEPROM broken • Noise
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reinsert the nozzle cleaning cartridge. 3. Check if foreign objects are caught in the terminal section of EEPROM on the nozzle cleaning cartridge and remove them if there are any. 4. Check if connectors are disconnected. 5. Replace the nozzle cleaning cartridge. 6. Replace the harnesses between IOB and the nozzle cleaning cartridge. 7. Replace the circuit board for ID connection. 8. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC684-02	C	Flushing Cartridge: ID Chip Communication Error (Invalid Device ID)
		I2C Communication Error
		• ID Chip data corrupted • Connector disconnected • No ID Chip

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		• ID Chip broken • Noise
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reinsert the flushing cartridge. 3. Check if foreign objects are caught in the terminal section of ID Chip on the flushing cartridge and remove them if there are any. 4. Check if connectors are disconnected. 5. Replace the flushing cartridge. 6. Replace the harnesses between IOB and the flushing cartridge. 7. Replace the circuit board for ID connection. 8. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-01	D	+24V1 The Power Current Discharge Error
SC685-02	D	+24V2 The Power Current Discharge Error
SC685-03	D	+24V1 The Power Start Up Error
SC685-04	D	+24V2 The Power Start Up Error
		• SC685-01, 02 This SC is generated If 24V1 or 24V2 is not discharged when ten seconds elapses after the cover opens. • SC685-03, 04 This SC is generated If 24VS1 or 24VS2 is not outputted when ten seconds elapses after the cover opens.
		• Connector disconnected • Harness broken or ground fault • IOB defective • PSU defective
		1. Check the SC history. Check all the doors closed, and then turn the main switch OFF and ON. check if the SC occurs.SC685-XX did not occur: No treatment is necessary. SC685-01 did not occur: Go to step 2. SC685-02 did not occur: Go to step 3. SC685-03 did not occur: Go to step 4. SC685-04 did not occur: Go to step 5.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		2. Check SC685-01. 1. Check if LED4 (yellow) on IOB is OFF. LED lit: Go to step 4. LED did not lit: Go to step 2. 2. Check the harness between IOB and PSU, and then if foreign objects are caught and ground fault is there, replace the harness. SC did not occur: No treatment is necessary. SC occurred: Go to step 3. 3. Reconnect the connector of IOB and PSU. SC did not occur: No treatment is necessary. SC occurred: Go to step 4. 4. Replace IOB. SC did not occur: No treatment is necessary. SC occurred: Go to step 5. 5. Replace PSU. SC did not occur: No treatment is necessary. 3. Check SC685-02. 1. Check if LED5 (yellow) on IOB is OFF. LED lit: Go to step 4. LED did not lit: Go to step 2. 2. Check the harness between IOB and PSU, and then if foreign objects are caught and ground fault is there, replace the harness. SC did not occur: No treatment is necessary. SC occurred: Go to step 3. 3. Reconnect the connector of IOB and PSU. SC did not occur: No treatment is necessary. SC occurred: Go to step 4. 4. Replace IOB. SC did not occur: No treatment is necessary. SC occurred: Go to step 5. 5. Replace PSU. SC did not occur: No treatment is necessary. 4. Check SC685-03. 1. 24VS1 : Check if LED6 (orange) on IOB is ON. LED lit: Go to step 6. LED did not lit: Go to step 2. 2. 24V1 : Check if LED4 (yellow) on IOB is ON. LED lit: Go to step 6.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		LED did not lit: Go to step 3. 3. Check the harness between IOB and PSU, and then if foreign objects are caught and ground fault is there, replace the harness. SC did not occur: No treatment is necessary. SC occurred: Go to step 4. 4. Reconnect the connector of IOB and PSU. SC did not occur: No treatment is necessary. SC occurred: Go to step 5. 5. Replace IOB. SC did not occur: No treatment is necessary. SC occurred: Go to step 6. 6. Replace PSU. SC did not occur: No treatment is necessary. 5. Check SC685-04. 1. 24VS2 : Check if LED7 (orange) on IOB is ON. LED lit: Go to step 6. LED did not lit: Go to step 2. 2. 24V2 : Check if LED5 (yellow) on IOB is ON. LED lit: Go to step 6. LED did not lit: Go to step 3. 3. Check the harness between IOB and PSU, and then if foreign objects are caught and ground fault is there, replace the harness. SC did not occur: No treatment is necessary. SC occurred: Go to step 4. 4. Reconnect the connector of IOB and PSU. SC did not occur: No treatment is necessary. SC occurred: Go to step 5. 5. Replace IOB. SC did not occur: No treatment is necessary. SC occurred: Go to step 6. 6. Replace PSU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC686-01	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 1)
SC686-02	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 2)
SC686-	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 3)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
03		
SC686-04	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 4)
SC686-05	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 5)
SC686-06	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 6)
SC686-07	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 7)
SC686-08	D	Ink Cartridge: ID Chip Communication Error (Ink Cartridge 8)
		I2C communication is not done between IOB and Ink cartridges.
		• ID chip data corrupted • Connector disconnected • No ID chip • ID chip broken • Noise
		1. Check if the SC occurs by turning the power OFF then ON. 2. Reinsert the ink cartridge. 3. Check if foreign objects are caught in the terminal section of EEPROM on the ink cartridge and remove them if there are any. 4. Check if connectors are disconnected. 5. Replace the ink cartridge. 6. Replace the harnesses between IOB and the ink cartridge. 7. Replace the circuit board for ID chip connection. 8. Replace IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC687-00	D	PER command error
		The machine does not receive PER command from the controller within two minutes.
		Communication Error
		Check if the SC occurs by turning the power OFF then ON.

SC700: Not Used

There are no Group 700 service codes for this machine.

SC800: Controller

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC819-00	C	Kernel Program Stop
		When starting, the machine detects the abnormal shutdown.
		Forced shutdown when normal shutdown is failed power Inlet pulled out
		There is no need to recover because this is a loging SC.

SC900: Software

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC900-00	A	Electronic Total Counter Error
		The total counter contains the value that is not the specified value. This error is detected when stepping the total counter.
		• NV-RAM incorrect type • NV-RAM defective or corrupted • Unexpected error from external source • When PRT received signals at ENG I/F, the requested count did not complete.
		Replace the NV-RAM.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC991-00	C	Software Continuity Error
		An unexpected operation occurs in the software.
		• Argument error • Internal parameter incorrect • Insufficient working memory • An error caused by a problem that the SC detection monitoring hardware cannot find out.
		No treatment is needed because the operation does not stop when SC occurs.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC992-00	D	The System Software Error
		An undefined error, which cannot be referred in the system, occurred.
		• SC that is used in the previous machine is used incorrectly. • Software bug
		Turn the main power switch off and on.

Jam Code Tables

Printer Paper Jams

When a jam occurs, printing temporarily stops.

The operations except for printing stop, and then terminate.

Initial Jam

Code	Timing of the Detection	How to Remove
01	The carriage jam display sensor attached to the carriage detects the foreign objects, or media touching.	• Open the middle cover. • Raise the media holding lever if necessary. • Remove the foreign objects or the media. • Lower the media holding lever, and close the middle cover. • Media holding cleaning • Cap cleaning • Around the nozzle cleaning • The under side of the jam sensor of the carriage cleaning
	Cutter is not positioned at the home position while the front registration sensor is ON.	• When the cutter is not positioned at the right edge, remove the media, and then open/close the middle cover.
	Opening of the middle cover is detected.	• Close the middle cover.
	The media holding lever is raised or the roll holder or the pre-heater cover is open.	• Lower the media holding lever or close the covers. • Open/close the middle cover.
	Media end is detected.	• Open the middle cover. • Raise the media holding lever if necessary. • Remove the media. • Lower the media holding lever, and then close the middle cover.

Note

After remove the jam paper, the carriage returns to the home position.

Main Scan Jam

Cord	Timing of the Detection	How to Remove
42	The carriage jam display sensor attached to the carriage detects the foreign objects or media touching.	• Open the middle cover. • Release the media holding lever if necessary. • Remove the foreign objects or

Cord	Timing of the Detection	How to Remove
		the media. • Close the middle cover and media holding lever. • Media holding cleaning • Cap cleaning • Around the nozzle cleaning • The under side of the jam sensor of the carriage cleaning

Cutter Jam

Cord	Timing of the Detection	How to Remove
61	The left cutter sensor does not turns ON after the time specified in the SP1-923-004 (Cutter Operation Adjustment: Error Detection Time) elapsed when cutting.	• Remove the media from the cutter section, and then open/close the middle cover. • When the cutter is not positioned at the right edge, remove the media, and then open/close the middle cover.

Note

The instruction about the media removal is displayed in the operation panel.

After jam occurs, the cutter starts to move to the home position.

If the right cutter sensor does not turns ON after three seconds elapsed when moving to the home position, the machine stops the cutter motor.

Troubleshooting Information When Performing Initial Filling and Full Auto Cleaning

Progress Management when Performing Initial Filling

A: Before initial filling

B: Immediately after SP2-012-002

C: Draining completed

D: Initial filling completed

E: SP executing air purge flag on

F: After air purge (H1)

G: After cleaning (H1)

H: After air purge (H2)

I: After cleaning (H2)

J: After air purge (H3)

K: After cleaning (H3)

	A	B	C	D	E	F	G	H	I	J	K
2-012-001 Initial Operation Setting	1	4	4	4	4	4	4	4	4	4	0
2-013-001 Initial Filling Progress Mng H1	0	1	2	3	3	4	4	4	4	4	0
2-013-002 Initial Filling Progress Mng H2	0	1	2	3	3	3	3	4	4	4	0
2-013-003 Initial Filling Progress Mng H3	0	1	2	3	3	3	3	3	3	4	0
2-259-007 Air Purge Flag H1	0	0	0	0	1	0	0	0	0	0	0
2-259-008 Air Purge Flag H2	0	0	0	0	1	1	1	0	0	0	0
2-259-009 Air Purge Flag H3	0	0	0	0	1	1	1	1	1	0	0
2-259-010 Cleaning Flag after Air Purge H1	0	0	0	0	1	1	0	0	0	0	0
2-259-011 Cleaning Flag after Air Purge H2	0	0	0	0	1	1	1	1	0	0	0
2-259-012 Cleaning Flag after Air Purge H3	0	0	0	0	1	1	1	1	1	1	0
2-270-001 Air Purge Time Change Flag H1	0	0	0	0	1	0	0	0	0	0	0

	A	B	C	D	E	F	G	H	I	J	K
2-270-002 Air Purge Time Change Flag H2	0	0	0	0	1	1	1	0	0	0	0
2-270-003 Air Purge Time Change Flag H3	0	0	0	0	1	1	1	1	1	0	0

Progress Management when Performing Full Auto Cleaning

A: Before full auto cleaning

B: Immediately after SP2-012-003

C: The first draining completed

D: The first filling completed

E: The second draining completed

F: The second filling completed

G: SP executing air purge flag on

H: After air purge (H1)

I: After cleaning (H1)

J: After air purge (H2)

K: After cleaning (H2)

L: After air purge (H3)

M: After cleaning (H3)

	A	B	C	D	E	F	G	H	I	J	K	L	M
2-012-001 Initial Operation Setting	0	5	5	5	5	5	5	5	5	5	5	5	9
2-013-001 Initial Filling Progress Mng H1	0	1	2	3	4	5	5	6	6	6	6	6	0
2-013-002 Initial Filling Progress Mng H2	0	1	2	3	4	5	5	5	5	6	6	6	0
2-013-003 Initial Filling Progress Mng H3	0	1	2	3	4	5	5	5	5	5	5	6	0
2-259-007 Air Purge Flag H1	0	0	0	0	0	0	1	0	0	0	0	0	0
2-259-008 Air Purge Flag H2	0	0	0	0	0	0	1	1	1	0	0	0	0
2-259-009 Air Purge Flag H3	0	0	0	0	0	0	1	1	1	1	1	0	0
2-259-010 Cleaning Flag after Air Purge H1	0	0	0	0	0	0	1	1	0	0	0	0	0
2-259-011	0	0	0	0	0	0	1	1	1	1	0	0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M
Cleaning Flag after Air Purge H2													
2-259-012 Cleaning Flag after Air Purge H3	0	0	0	0	0	0	1	1	1	1	1	1	0
2-270-001 Air Purge Time Change Flag H1	0	0	0	0	0	0	1	0	0	0	0	0	0
2-270-002 Air Purge Time Change Flag H2	0	0	0	0	0	0	1	1	1	0	0	0	0
2-270-003 Air Purge Time Change Flag H3	0	0	0	0	0	0	1	1	1	1	1	0	0

Explanation for SP

SP2-012-001

Initial operation setting value: This setting manages the state of the machine and determines the machine operation when the machine is powered on.

SP2-012-001	Condition	Operation
0	Normal	The machine performs auto maintenance.
1	When starting the initial filling	Auto maintenance does not start. This value is changed to 4 automatically when you execute SP2-012-002.
4	During initial filling	Auto maintenance does not start. This value is changed to 0 automatically when the last cleaning is completed.
5	During full auto cleaning	Auto maintenance does not start. Only a filling liquid cartridge can be installed. This value is changed to 9 when the last cleaning is completed.
6	During replacing print heads	Auto maintenance does not start. This value is changed to 6 by executing SP reset when you replace the print head, and then changed to 0 when the long air purge is completed.
9	Shipping	Auto maintenance does not start. This value is set when the machine is shipped.

SP2-013-001 to SP2-013-003

Progress management of initial filling: this setting manages the progress state of initial filling of each print head. If you want to know the progress, check this SP.

SP2-013-***	Condition	Operation
0	Normal	Normal condition (Not during initial filling)

SP2-013-***	Condition	Operation
1	During draining or draining failed	Draining the filling liquid has not been completed. Only Filling Liquid Extraction Sequence (SP2-012-002) can be executed.
2	Draining completed	Draining the filling liquid has been completed. Only Ink Filling Sequence (SP2-012-003) can be executed.
3	Ink filling completed	Filling ink has been completed. Only Air Purge (SP2-012-004, SP2-012-005) can be executed.
4	Air purge completed	Air purge has been completed. Only Cleaning (SP2-010-001) can be executed.

SP2-015-001 to SP2-015-003

Progress management of full auto cleaning: this setting manages the progress state of full auto cleaning of each print head. If you want to know the progress, check this SP.

SP2-015-***	Condition	Operation
0	Normal	Normal condition (Not full auto cleaning)
1	During draining or draining failed	Draining the filling liquid (the first time) has not been completed. Only Filling Liquid Extraction Sequence (SP2-012-002) can be executed.
2	The first draining completed	Draining the filling liquid (the first time) has been completed. Only Ink Filling Sequence (SP2-012-003) can be executed.
3	The first ink filling completed	Filling ink (the first time) has been completed. Only Filling Liquid Extraction Sequence (SP2-012-002) can be executed.
4	The second draining completed	Draining (the second time) has been completed. Only Ink Filling Sequence (SP2-012-003) can be executed.
5	The second ink filling completed	Filling ink (the second time) has been completed. Only Air Purge (SP2-012-004, SP2-012-005) can be executed.
6	Air purge completed	Air purge has been completed. Only Cleaning (SP2-010-001) can be executed.

SP2-259-007 to SP2-259-009

Air Purge Flag: Executing SP2-012-004 can set the flag of the head.
If this flag is not set, you cannot execute air purge (SP2-012-005).

SP2-259-010 to SP2-259-012

Cleaning Flag after Air Purge: Executing SP2-012-004 can set the flag of all the head automatically.
This flag is used for checking whether the cleaning has been completed or not because air purge and cleaning needs to be performed together.
The machine determines that air purge is being performed until this flag falls.
(The machine stops the auto maintenance.)

SP2-270-001 to SP2-270-003

Air Purge Time Change Flag: Initial filling and full auto cleaning need longer time for air purge than normal operation needs. When this flag is set, the time is prolonged.
(This flag is set automatically when initial filling and full auto cleaning is performed.)

Related Trouble Shooting

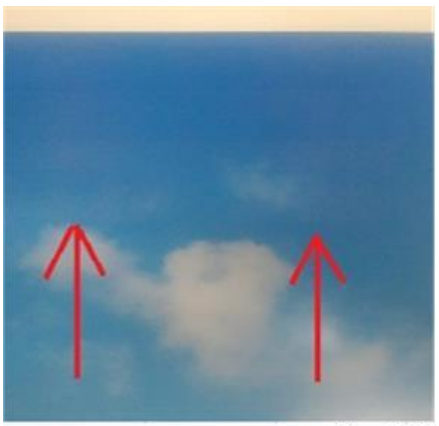
Condition	Resolution
Execute Filling Liquid Extraction 1 (SP2-012-002) cannot be executed.	Make sure that ink cartridges with the ink replacement jigs are set and the lock lever fully rises.
Executing "7" in SP2-012-002 is failed.	Make sure that the lock lever of ink cartridges rises.
Execute Ink Filling (SP2-012-003) cannot be executed.	Check the all eight ink cartridges are set.
Executing "7" in SP2-012-003 is failed.	Make sure that ink cartridges are inserted correctly and the lock lever of ink cartridges rises.
Execute Air Purge (Operating) (SP2-012-005) cannot be executed.	Make sure that the port cover opens, and then retry Execute Air Purge (Flag Rewriting) (SP2-012-004).
Executing "1 or 2 or 4" in SP2-012-005 is failed.	Make sure that ink cartridges are inserted correctly. Make sure that the lock lever of ink cartridges rises. Make sure that the port cover opens.
Fully Automated Cleaning (SP2-100-003) cannot be executed.	Make sure that the content of waste ink bottle is 0 %.
Proceeding sequence has stopped. (For example, front cover open)	Do the procedure according to the proceed administration. If air purge needs to do, execute Execute Air Purge (Flag Rewriting) (SP2-012-004).
Waste ink bottle has become full.	Repeatedly sequence failure results in many waste ink counts. Adjust the waste ink quantity to the amount you check

Condition	Resolution
	visually.
Missing nozzle cannot be solved.	Refer to "Requests for Daily Care and Maintenance", User Manual.
Run out of flushing liquid is displayed.	Make sure that the lock lever of ink cartridges rises.
An error occurs while discharging the filling liquid or filling the ink.	Make sure that the lock lever of ink cartridges rises.

Belt-like Uneven Density Appears

Condition

Uneven density or dense streaks appears in the image.

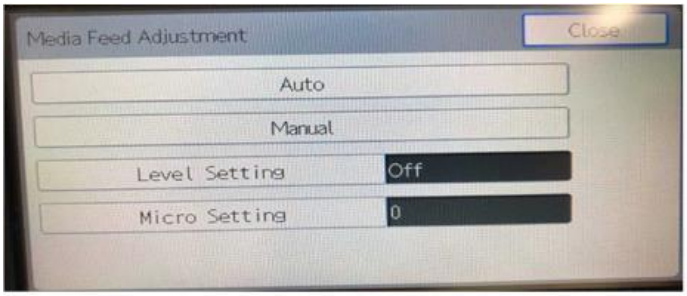
Normal	Uneven density appearing as bands
 m0bxa6001	 m0bxa6002

Cause

Media feed amount is not appropriate.

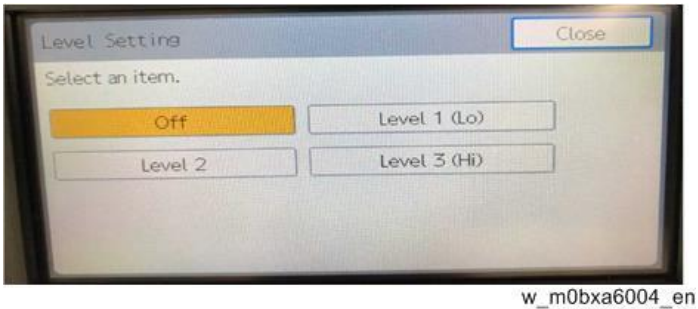
Solution

1. Press [Level Setting] in [Media Feed Adjustment]. (Default OFF)



w_m0bxa6003_en

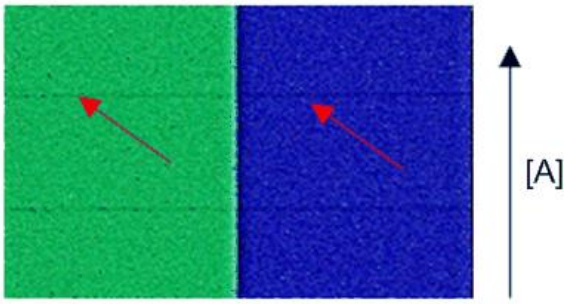
2. Select [Level 2].



w_m0bxa6004_en

3. Exit the setting screen, and then print.
4. Step 1 to 3 improves uneven density, but if you want higher image quality, select [Level 3 (Hi)]. If

black streaks in the horizontal direction appear as shown below, select [Level 1 (Lo)].



m0bxa6005

⚠CAUTION

The relation beween uneven density and black streaks is a trade off, so changing the level may prevent uneven density and make black streaks, and vice versa.

5. If more adjustment is needed after the adjustment descripted above, select [Micro Setting] in [Media Feed Adjustment]. (Default 0)

6. To reduce uneven density, input [-]. To reduce black streaks, input [+].
Guide for value: One level change in [Level Setting] is equivalent to 4 to 8 in [Micro Setting].



w_m0bxa6006_en

Furthermore, you can solve the problem in the following procedure.

1. Press [Micro Setting] in [Media Feed Adjustment].
To reduce uneven density, input [-]. To reduce black streaks, input [+].
Guide for value: Adjust the value by ±4.

2. Exit the setting screen, and then print.

3. Repeat the step 1 and 2.

⚠CAUTION

Adjustment value may depend on the media, print mode, and the environment.

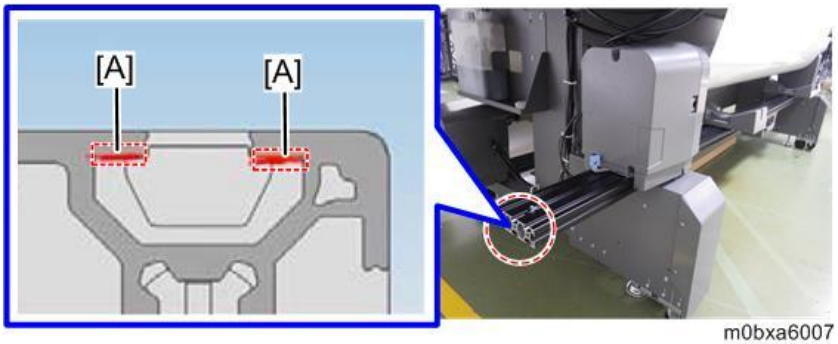
Roll Holder/Roll Core Holder Lock Defective

Condition

Roll holder/roll core holder is locked weakly.

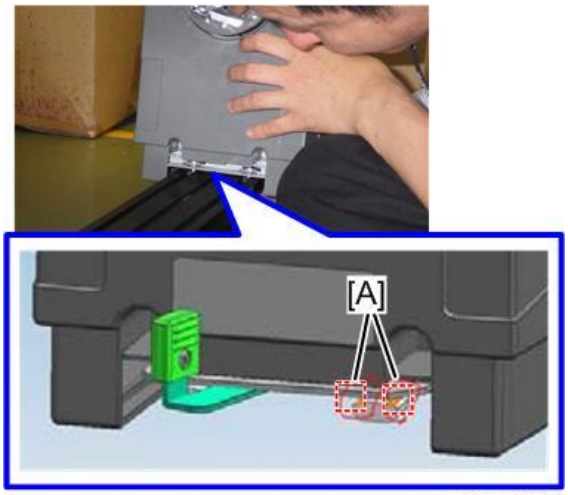
Solution

- Clean the sections [A] of the paper feed/roll-up stay.



m0bxa6007

- Clean the slide sections [A] of the roll holder/roll core holder.



m0bxa6008

When Missing Nozzle Appears in the Low Humidity Environment

When missing nozzle appears in the low humidity environment, increase the times of auto maintenance.

However, increasing auto maintenance rapidly consumes ink, the cleaning cartridge, and the flushing liquid.

Items of auto maintenance function are as follows:

- Flushing Interval

  Set the frequency for discharging ink that accumulates in the print heads.

  - Level 1 (Lo): every 30 minutes
  - Level 2: every 20 minutes
  - Level 3 (Hi): every 10 minutes

  Default: [Level 1 (Lo)]
- Cleaning Interval

  Set the frequency for cleaning print head nozzles.

  - Level 1 (Lo): every 12 hours
  - Level 2: every 6 hours
  - Level 3 (Hi): every 3 hours

  Default: [Level 1 (Lo)]
- Cleaning (White) Interval

  Set the cleaning frequency to prevent white ink from clogging.

  - Level 1 (Lo): every 4 hours
  - Level 2: every 2 hours
  - Level 3 (Hi): every hour

  Default: [Level 1 (Lo)]

When NV-RAM is Broken

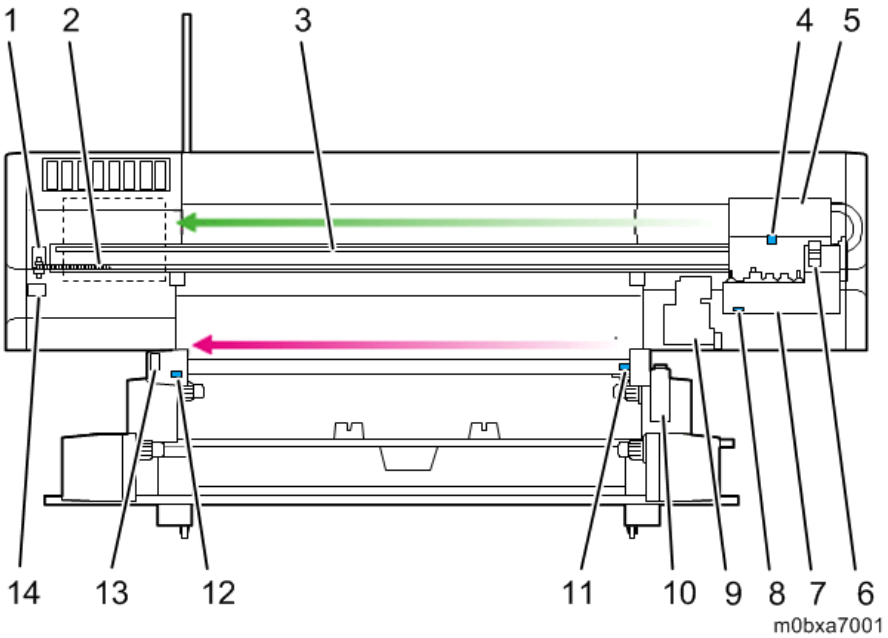
When NV-RAM is broken, do the following procedure.

1. Replace the broken NV-RAM.
   - NV-RAM for controller: A label is attached.
   - NV-RAM for engine: No label is attached.
2. Execute SP, and then clear the memory.
   - When replacing NV-RAM for controller: SP5-801-001
   - When replacing NV-RAM for engine: SP5-801-002
3. If you have a backup of SP data that is stored in NV-RAM, download the data.
   For Backup/Download procedure of NV-RAM data, refer to NV-RAM Data Upload/Download.
4. If you have not retrieved SP data, manually input the data of factory settings.
   For the data of factory settings, ask the key person in each area.

6. Detailed Description

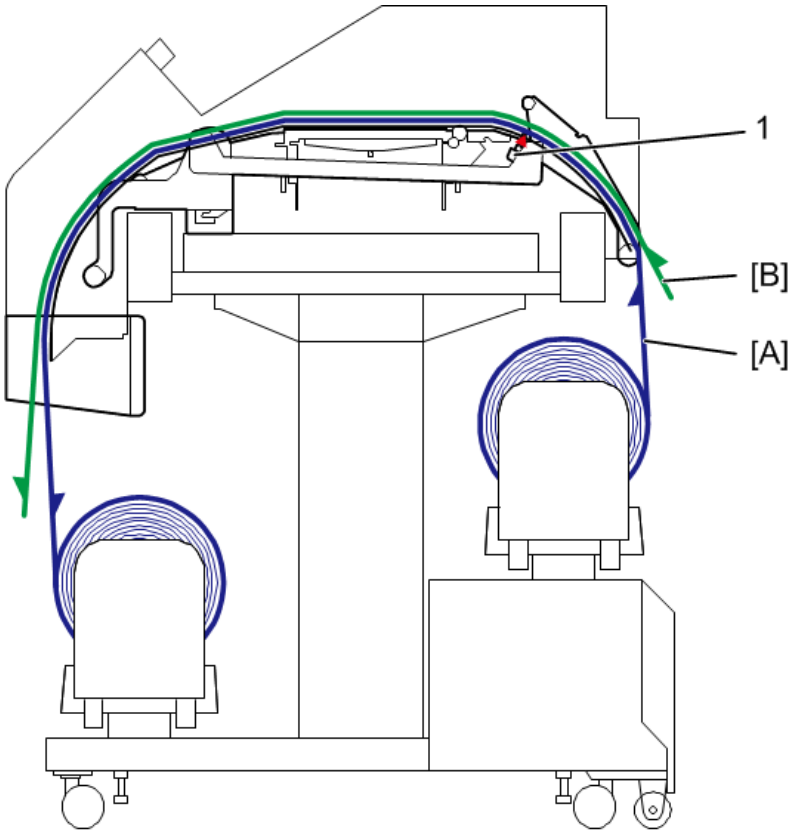
Overview

Plotter Layout



No.	Name	No.	Name
1	Carriage Drive Motor	8	Colorimetric Sensor
2	Timing Belt	9	Cleaning Cartridge
3	Main Scan Encoder Seat	10	Waste Ink Bottle
4	Main Scan Encoder Sensor	11	Media Cutter Switch (Right)
5	Carriage Unit	12	Media Cutter Switch (Left)
6	Flushing Cartridge	13	Media Cutter Motor
7	Maintenance Unit	14	Sub Scan Motor

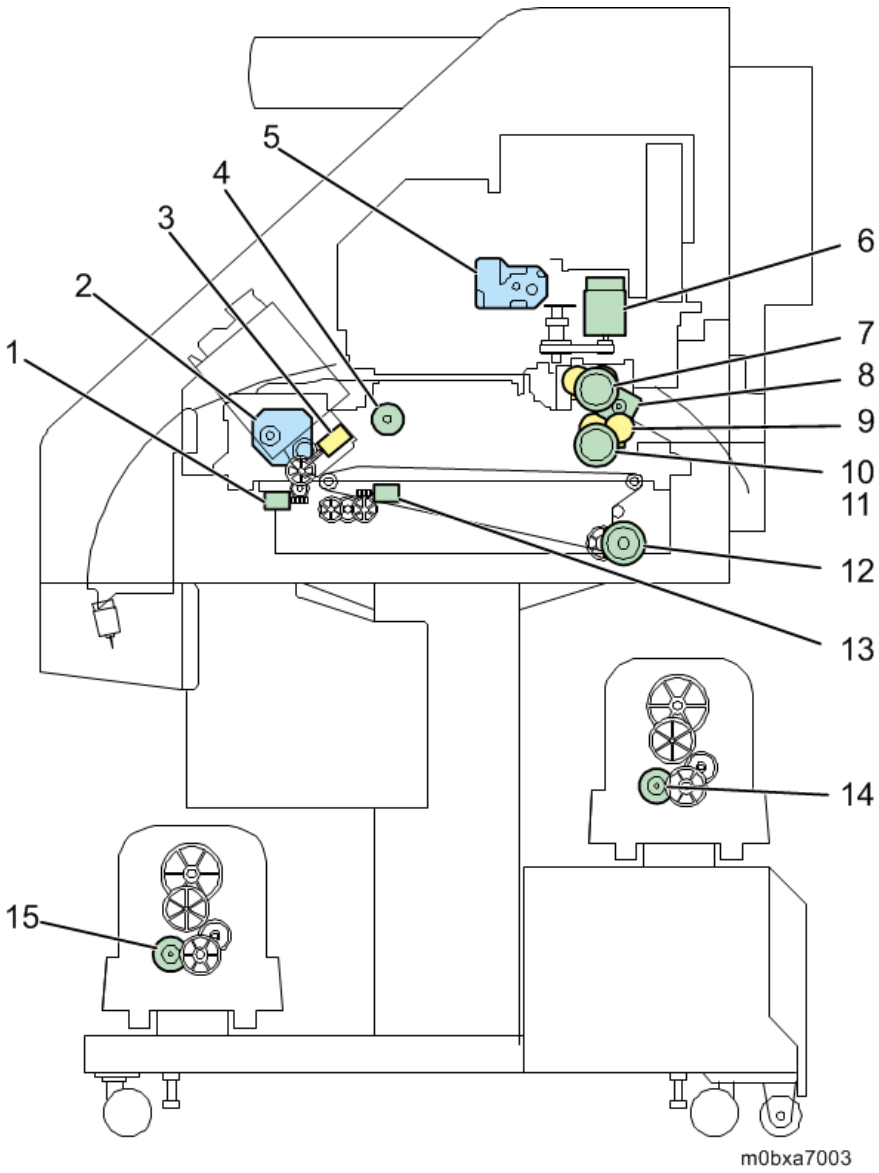
Media Path



m0bxa7002

No.	Name	No.	Name
[A]	Roll Paper Transport Path	1	Front Registration Sensor
[B]	Bypass Paper Transport Path		

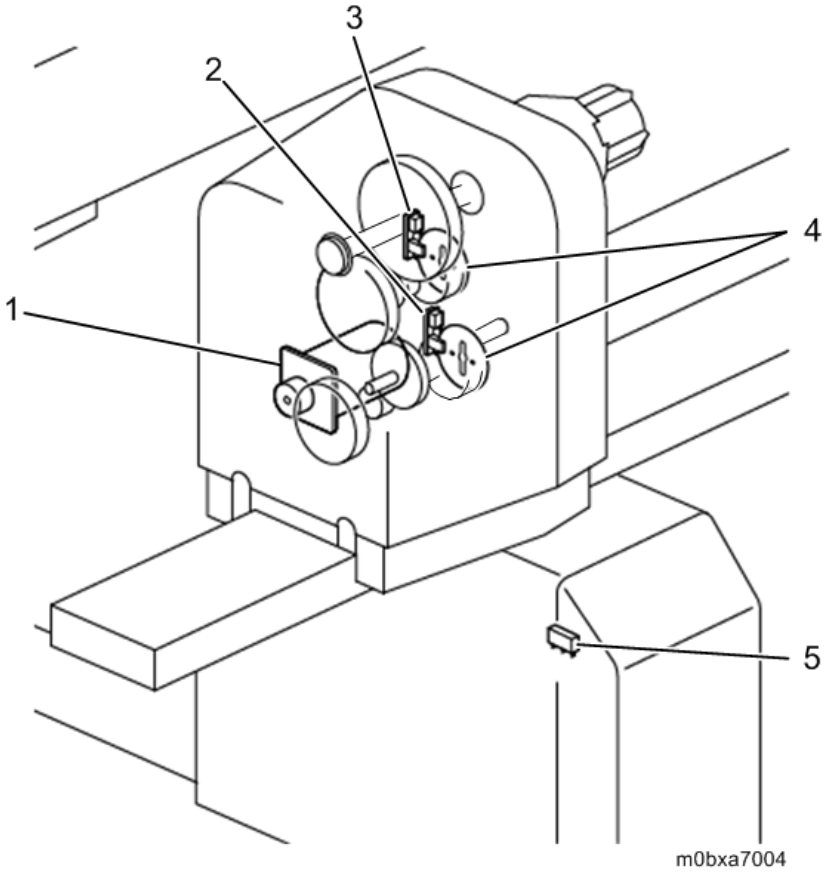
Drive Layout



No.	Name	No.	Name
1	Maintenance Unit Web Supply Motor	9	Supply Motor 1 - 12
2	Maintenance Unit Lift Motor	10	Maintenance Unit Ink Collection Motor 1
3	Maintenance Unit Cleaning Liquid Supply Motor	11	Maintenance Unit Ink Collection Motor 3
4	Maintenance Unit Wiper Motor	12	Maintenance Unit Web Shift Motor
5	Carriage Motor	13	Maintenance Unit Web Adjust Motor
6	Carriage Drive Motor	14	Paper Feed Motor
7	Maintenance Unit Ink Collection Motor 2	15	Paper Output Motor
8	Sub Scan Motor		

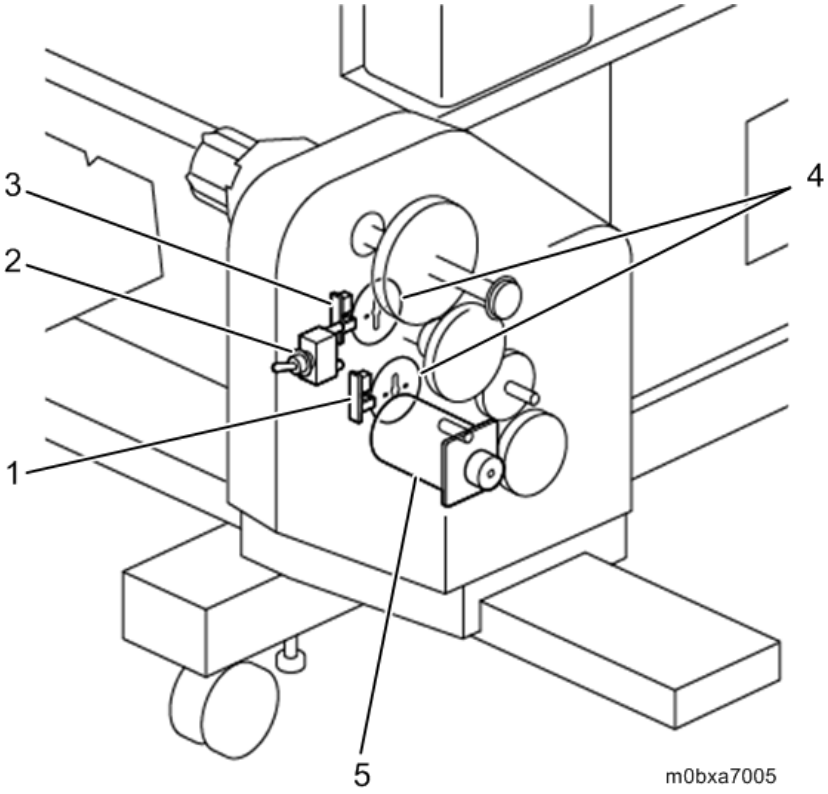
Electrical Components

Paper Feed Roll Holder



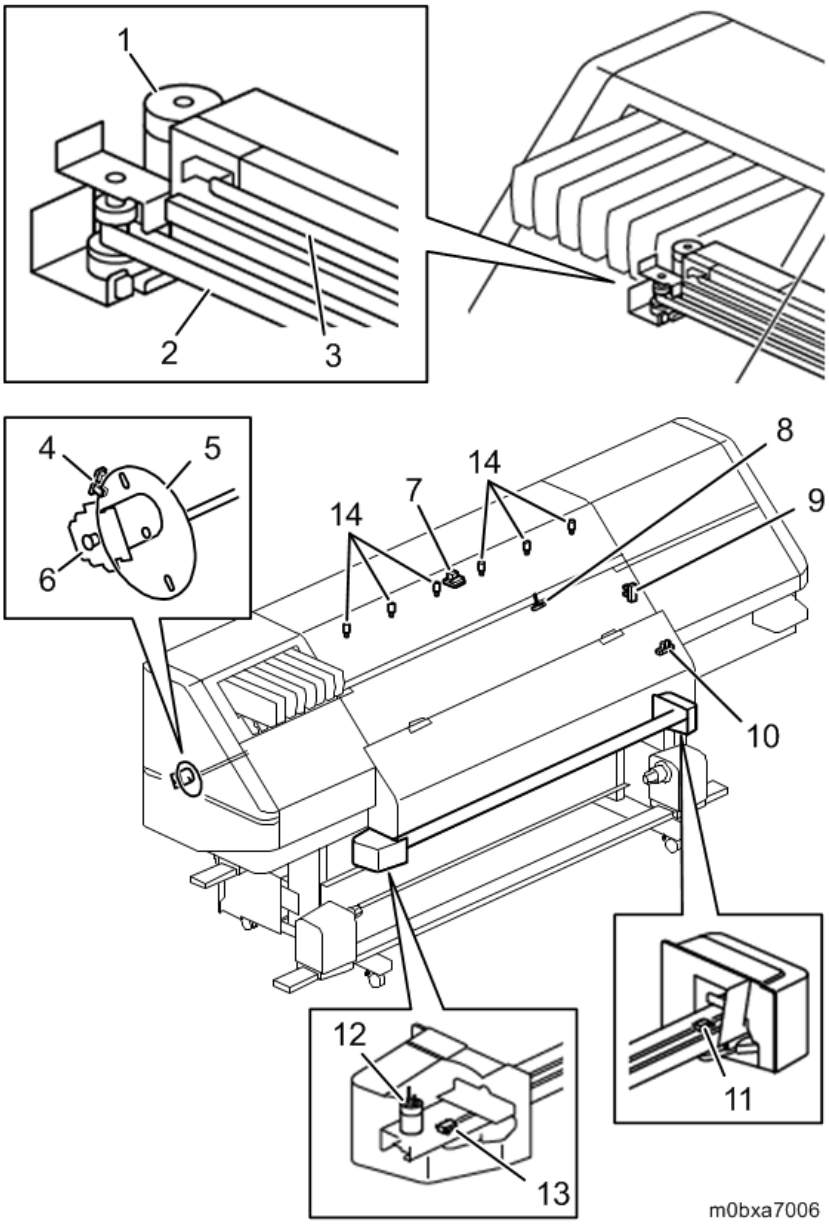
No.	Name	No.	Name
1	Paper Feed Motor	4	Encoder
2	Paper Feed Encoder	5	Roll Feed Unit Set Switch
3	Roll Paper Residual Amount Encoder		

Roll-up Holder



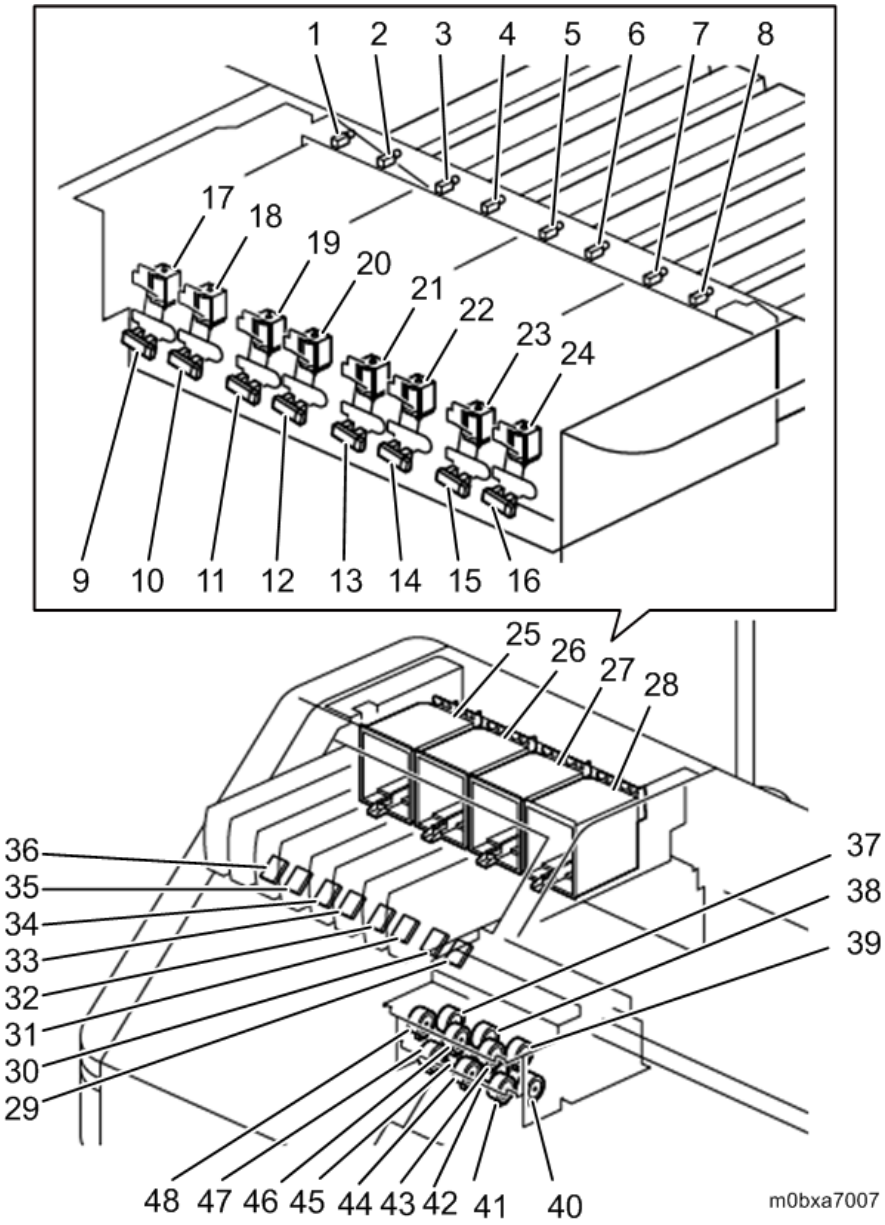
No.	Name	No.	Name
1	Roll-up Encoder	4	Encoder
2	Roll-up Switch	5	Roll-up motor
3	Take-up Unit Rotary Encoder		

Registration/Transport/Cutter



No.	Name	No.	Name
1	Carriage Drive Motor	8	Front Registration Sensor
2	Timing Belt	9	Port Cover Detection Sensor
3	Encoder Seat	10	Registration Pressure Release Sensor
4	Sub Scan Encoder Sensor	11	Media Cutter Switch (Right)
5	Sub Scan Encoder	12	Media Cutter Motor
6	Sub Scan Motor	13	Media Cutter Switch (Left)
7	Temperature/Humidity Sensor	14	Print Area Light 1 - 6

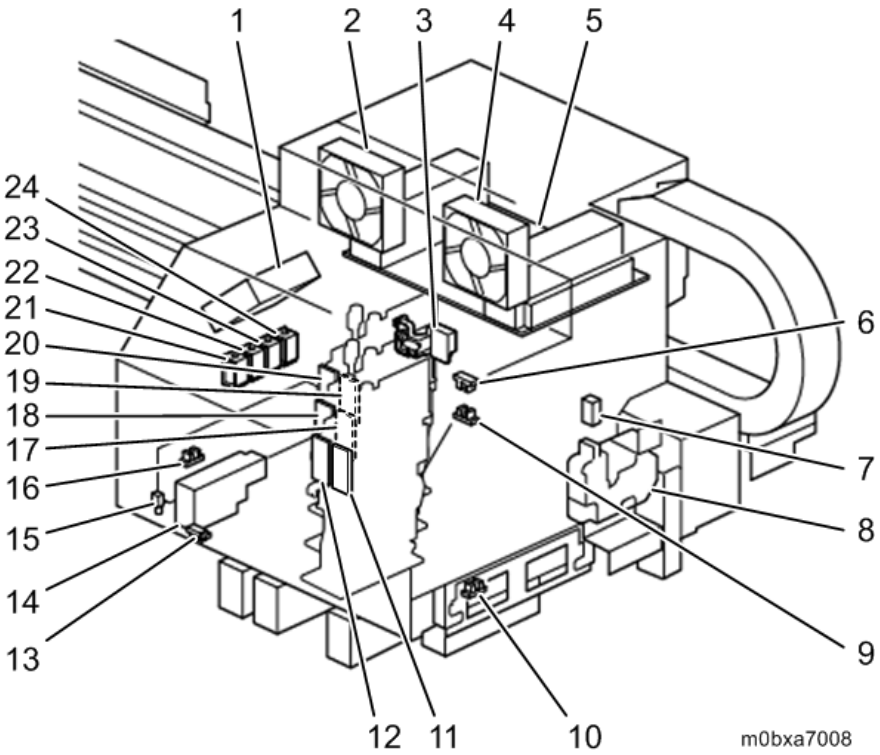
Ink Supply



No.	Name	No.	Name
1	Ink Cartridge Open/Close LED 8	25	Holder Cartridge 1
2	Ink Cartridge Open/Close LED 7	26	Holder Cartridge 2
3	Ink Cartridge Open/Close LED 6	27	Holder Cartridge 3
4	Ink Cartridge Open/Close LED 5	28	Holder Cartridge 4
5	Ink Cartridge Open/Close LED 4	29	Ink Cartridge Lock 8
6	Ink Cartridge Open/Close LED 3	30	Ink Cartridge Lock 7
7	Ink Cartridge Open/Close LED 2	31	Ink Cartridge Lock 6
8	Ink Cartridge Open/Close LED 1	32	Ink Cartridge Lock 5
9	Ink End Sensor 8	33	Ink Cartridge Lock 4
10	Ink End Sensor 7	34	Ink Cartridge Lock 3

No.	Name	No.	Name
11	Ink End Sensor 6	35	Ink Cartridge Lock 2
12	Ink End Sensor 5	36	Ink Cartridge Lock 1
13	Ink End Sensor 4	37	Supply Motor 2
14	Ink End Sensor 3	38	Supply Motor 4
15	Ink End Sensor 2	39	Supply Motor 6
16	Ink End Sensor 1	40	Supply Motor 12
17	Supply Open/Close Solenoid 8	41	Supply Motor 11
18	Supply Open/Close Solenoid 7	42	Supply Motor 10
19	Supply Open/Close Solenoid 6	43	Supply Motor 5
20	Supply Open/Close Solenoid 5	44	Supply Motor 9
21	Supply Open/Close Solenoid 4	45	Supply Motor 8
22	Supply Open/Close Solenoid 3	46	Supply Motor 3
23	Supply Open/Close Solenoid 2	47	Supply Motor 7
24	Supply Open/Close Solenoid 1	48	Supply Motor 1

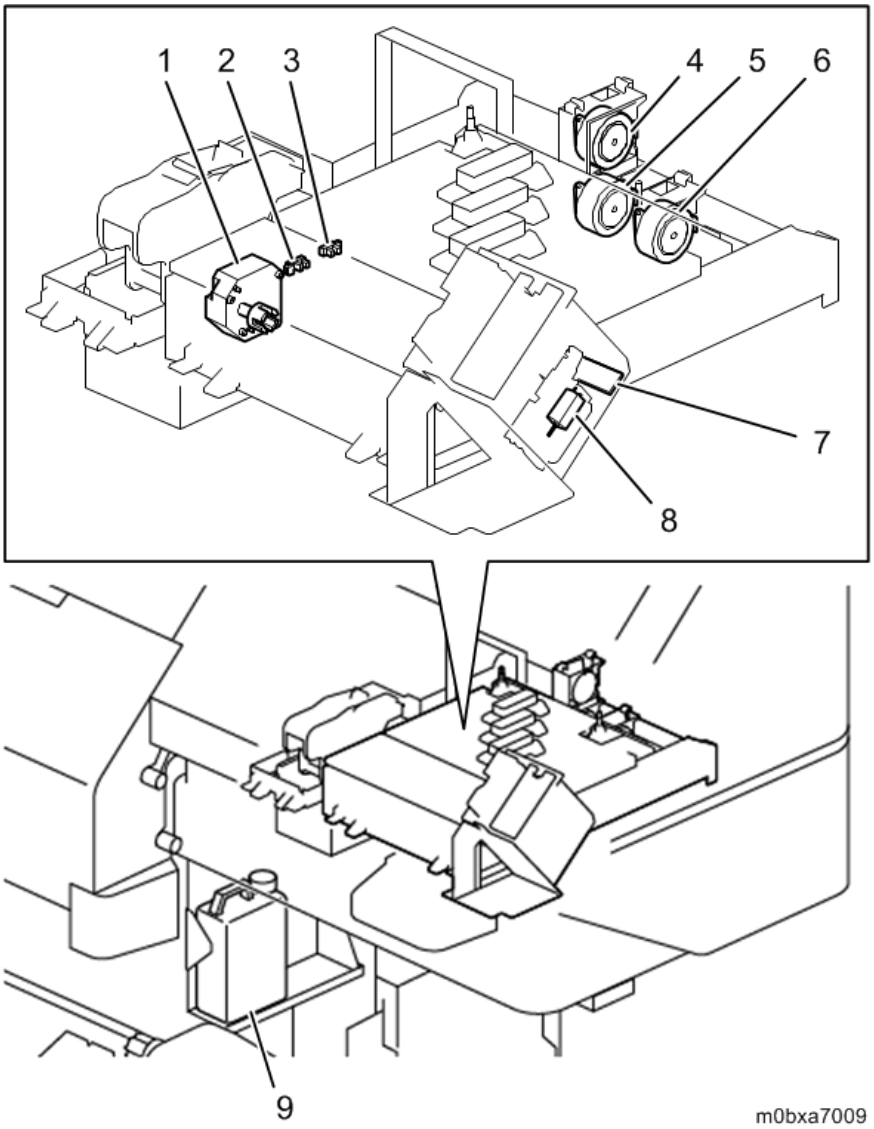
Carriage Unit



No.	Name	No.	Name
1	Carriage Cooling Fan 3	13	Paper Edge Sensor
2	Carriage Cooling Fan 1	14	Colorimetric Sensor
3	Main Scan Encoder Sensor	15	Carriage Position LED
4	Carriage Cooling Fan 2	16	Carriage Jam Sensor(Left)
5	HDC	17	DFSB (Damper 7, 8)

No.	Name	No.	Name
6	Carriage Rising Sensor 1	18	DFSB (Damper 5, 6)
7	Carriage Home Position Sensor	19	DFSB (Damper 3, 4)
8	Carriage Motor	20	DFSB (Damper 1, 2)
9	Carriage Rising Sensor 2	21	Circulation Solenoid 4
10	Carriage Jam Sensor (Right)	22	Circulation Solenoid 3
11	DFSB (Damper 11, 12)	23	Circulation Solenoid 2
12	DFSB (Damper 9, 10)	24	Circulation Solenoid 1

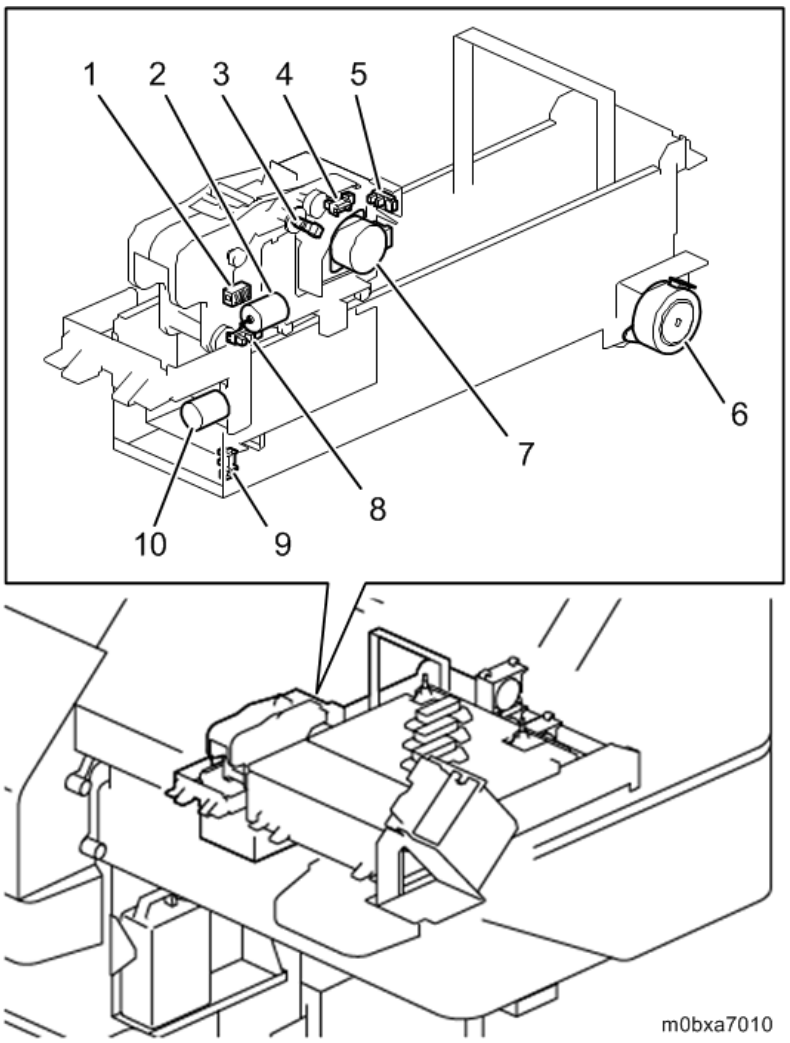
Maintenance Unit (1)



No.	Name	No.	Name
1	Maintenance Unit Lift Motor	6	Maintenance Unit Ink Collection Motor 3
2	Maintenance Suction Unit Decap Sensor	7	Cleaning Liquid Set Sensor
3	Maintenance Suction Unit HP Sensor	8	Maintenance Unit Cleaning Liquid Supply

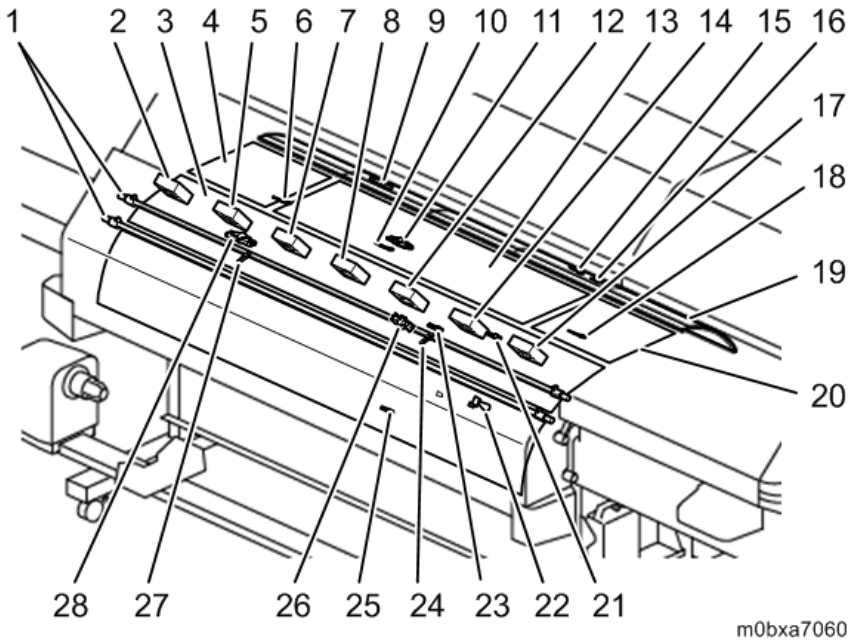
No.	Name	No.	Name
			Motor
4	Maintenance Unit Ink Collection Motor 2	9	Waste Ink Bottle
5	Maintenance Unit Ink Collection Motor 1		

Maintenance Unit (2)



No.	Name	No.	Name
1	Maintenance Web Set Sensor	6	Maintenance Unit Web Shift Motor
2	Maintenance Unit Web Adjust Motor	7	Maintenance Unit Wiper Motor
3	Maintenance Unit Web Encoder Sensor	8	Maintenance Unit Web Adjust Sensor 2
4	Blade Wiper HP Sensor	9	Web Front/Rear HP Sensor
5	Web Up/Down HP Sensor	10	Maintenance Unit Web Supply Motor

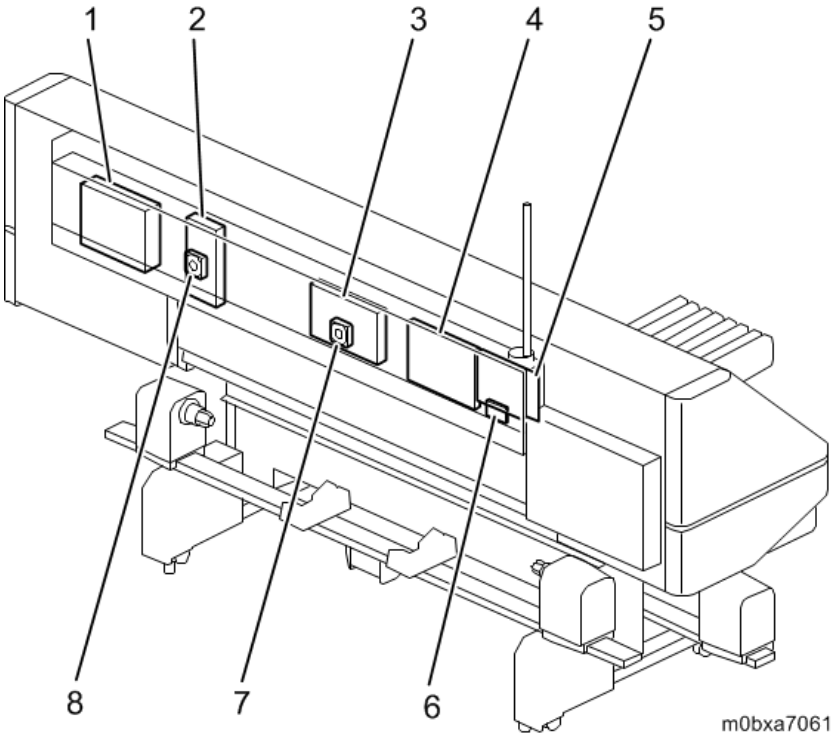
Heater



No.	Name	No.	Name
1	Cure Heater	15	Pre-Heater Upper Thermistor
2	Dry Curing Fan 1	16	Pre-Heater Center Thermistor
3	Post Heater	17	Dry Curing Fan 7 *1
4	Print Heater End Left	18	Print Heater End Right Thermistor
5	Dry Curing Fan 2	19	Pre-Heater Center/Upper
6	Print Heater End Left Thermistor	20	Print Heater End Right
7	Dry Curing Fan 3	21	Post Heater Upper Thermistor
8	Dry Curing Fan 4	22	Cure Heater Thermopile
9	Pre-Heater Thermostat	23	Post Heater Center Thermistor
10	Print Heater Center Thermistor	24	Reflector Right Thermistor
11	Print Heater Thermostat	25	Post Heater Lower Thermistor
12	Dry Curing Fan 5	26	Cure Heater Thermostat
13	Print Heater Center	27	Reflector Left Thermistor
14	Dry Curing Fan 6	28	Post Heater Thermostat

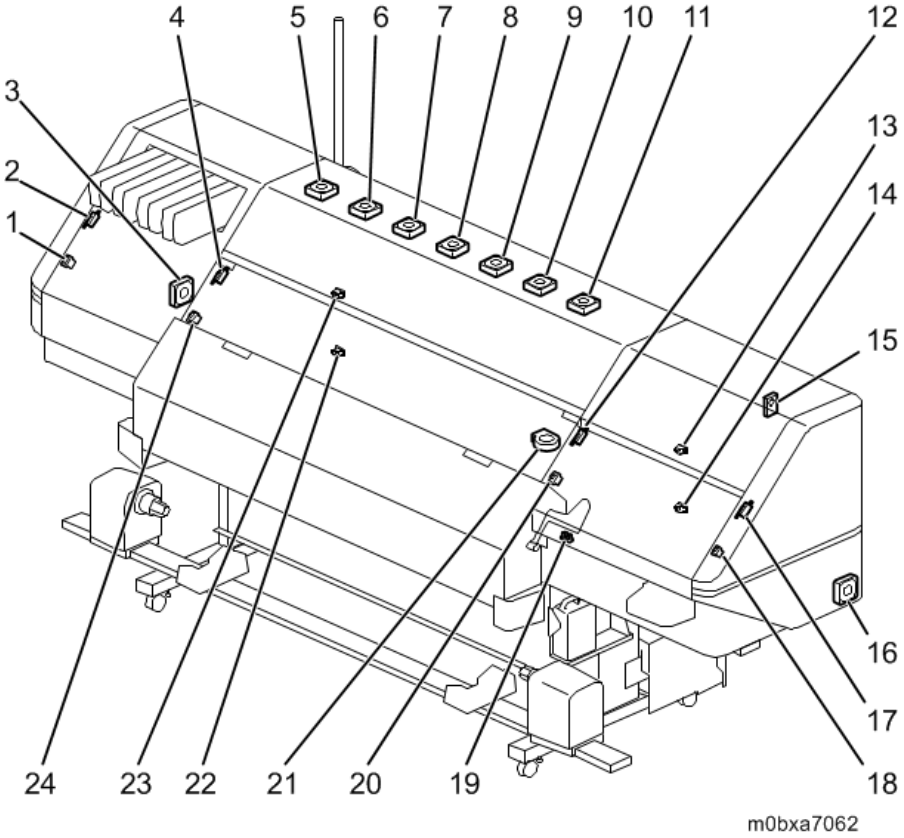
*1 L5160 only

Electrical Components



No.	Name	No.	Name
1	ACD	5	GAU
2	PSU (5V)	6	PIB (Optional)
3	PSU (24V)	7	Electrical Components Cooling Fan 1
4	IOB	8	Electrical Components Cooling Fan 2

Fans/Switches



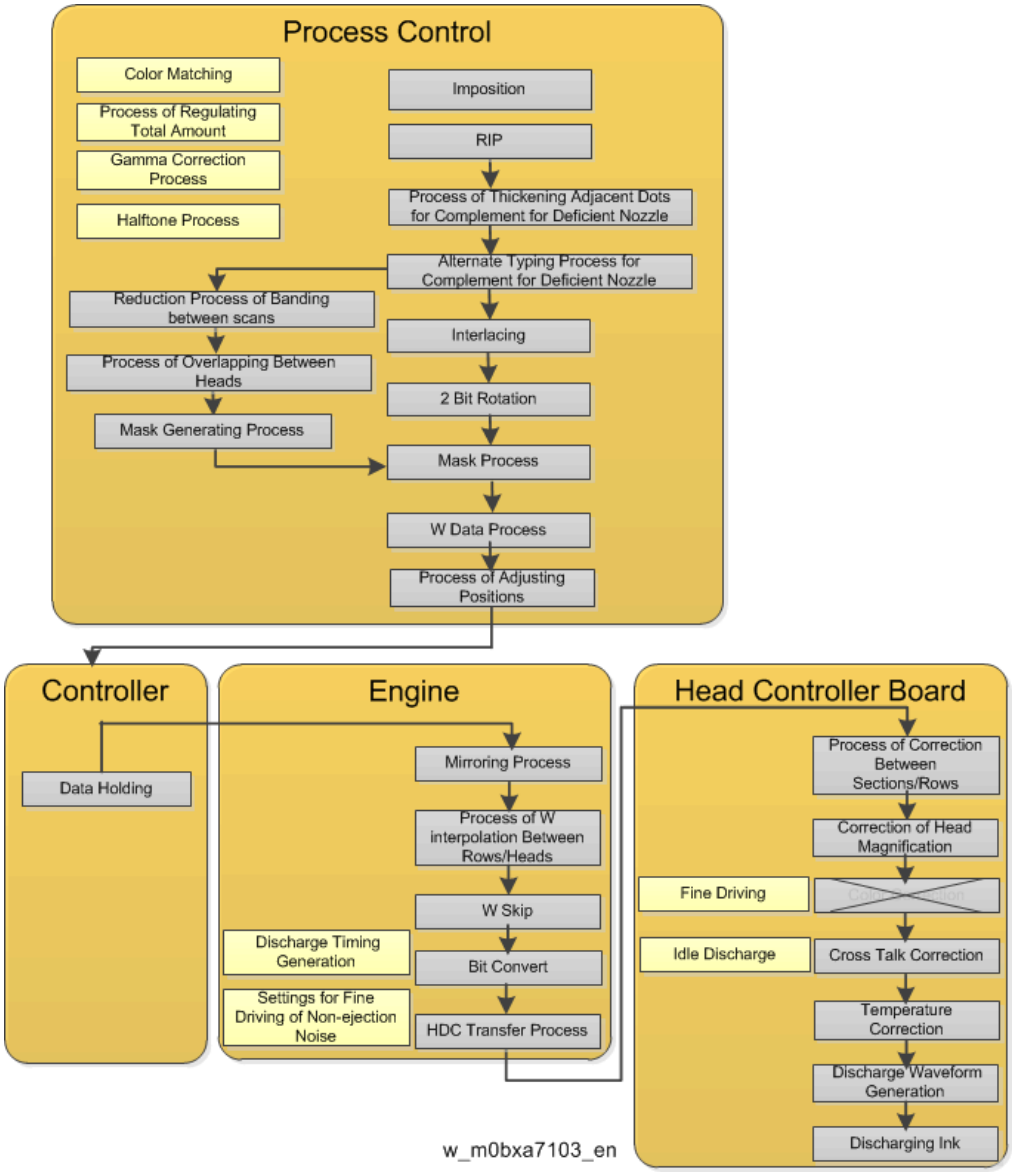
No.	Name	No.	Name
1	Front Cover Open SW/Left	13	Pre-heater Cover Open SW (Right)
2	Cover Interlock SW/Left	14	Pre-heater Cover Open SW
3	Internal Ventilation Fan 1	15	Main Power Switch
4	Cover Interlock SW/Center 2	16	Internal Ventilation Fan 2
5	Internal Air Intake Fan 1	17	Cover Interlock SW/Right
6	Internal Air Intake Fan 2	18	Front Cover Open SW/ Right
7	Internal Air Intake Fan 3	19	Registration Pressure Release Sensor
8	Internal Air Intake Fan 4	20	Front Cover Open SW/Center 1
9	Internal Air Intake Fan 5	21	Suction Fan
10	Internal Air Intake Fan 6	22	Cover Interlock SW
11	Internal Air Intake Fan 7	23	Pre-heater Cover Open SW (Left)
12	Cover Interlock SW/Center 1	24	Front Cover Open SW/Center 2

Image Processing Process

Image Processing Path

With this machine, image processing is executed by the PC and the data processing path flows in the order of controller/engine (GAU board) and head board (HDC).
The head board generates the waveform used to drive the head.

The following describes the data processing functions of each module in the image path between image processing by the host PC and printing.
(A gray block indicates a function in the image path. Yellow indicates related functions.)



Imaging Control Process

Image correction/complementation processes such as splicing are executed in the following order.

No.	Process	Role of process
1	Complement for deficient nozzle: process of thickening adjacent dots	Makes a deficient nozzle inconspicuous by enlarging the drop of ink discharged to the adjacent line.
2	Complement for deficient nozzle: alternate typing process	Compensates for a deficient nozzle by discharging ink from a different nozzle which is used to discharge ink for another dot in the same line.
3	Reduction process of banding between scans	Makes some nozzles overlap and share dots in the same line to reduce banding caused by errors between scans.
4	Overlap process between heads	Makes some nozzles overlap and share dots in the same line to reduce banding caused by errors between heads.
5	Mask generation	Generates masks used for distributing shared dots during multipass printing in units of scans and nozzles.
6	Interlacing	Discharges a specified amount of ink in the spaces between nozzles to compensate for the gap between the nozzle pitch and the sub-scan resolution.
7	2 Bit rotation	Converts the order of the inputted image data to the order of the ink discharge by the head.
8	Mask process	Turns ON/OFF the discharge of each nozzle during multipass printing by applying the mask.
9	W data processing	W data processing means W skip data processing.
10	Position adjustment process	128-boundary process of the main scan.
11	Mirroring process	When printing on both the forward route and backward route, mirrors the print data for the backward route.
12	W interpolation process for errors between rows/heads	Corrects the physical gaps between rows/heads by interpolating white dots the size of the gaps.
13	W skip	Skip operation of the carriage combined with the upstream W skip process.
14	Bit conversion	Conversion from 2-bit to 3-bit.
15	Discharge timing generation	Generates discharge timing signal in sync with the encoder waveform according to the image resolution.
16	Fine driving setting for non-ejection nozzles	Fine driving of nozzles that are not used for printing.
17	Correction of errors between areas/rows	Adjusts dot positions. The platen has an uneven surface which makes the gap between the platen and the paper vary, leading to errors of dots in the main scan direction. This function adjusts the discharge timing to correct dot

No.	Process	Role of process
		position errors.
18	Head magnification correction	Corrects the manufacturing errors of heads. Image density varies depending on the discharge characteristics of the head. Applies corrective magnification to the driving waveform to adjust the image density.
19	Crosstalk correction	The ink discharge speed changes depending on the number of nozzles that are driven at the same time. This is a characteristic of the head driving module (crosstalk characteristic). This function keeps the ink discharge constant by applying corrective magnification to the driving waveform to correct the crosstalk characteristic.
20	Waveform selection based on the temperature	Selects a waveform suitable for the head temperature from the FROM mounted on the HDC board. The FROM holds a waveform suitable for each temperature between 15° to 42° in 1° steps.
21	Discharge waveform generation	Applies DA conversion to the drive waveform of No. 20 to generate an analog drive waveform.
22	Fine driving	To prevent ink near the nozzle from drying and sticking, this function applies fine drive waveform to vibrate the meniscus plane of the ink.
23	Idle discharge	This process discards the ink near the nozzle that has thickened through drying. Applies strong drive waveform to the head and discharges ink from the nozzle.

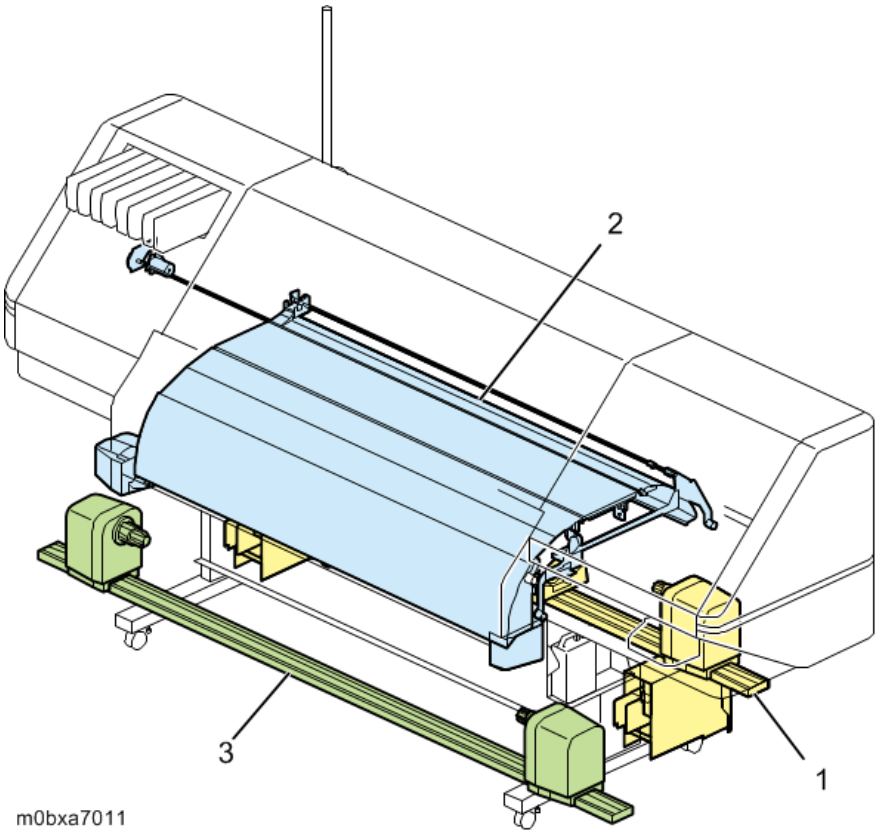
Roll Feed/Transport/Winding Unit

Overview

Component Layout

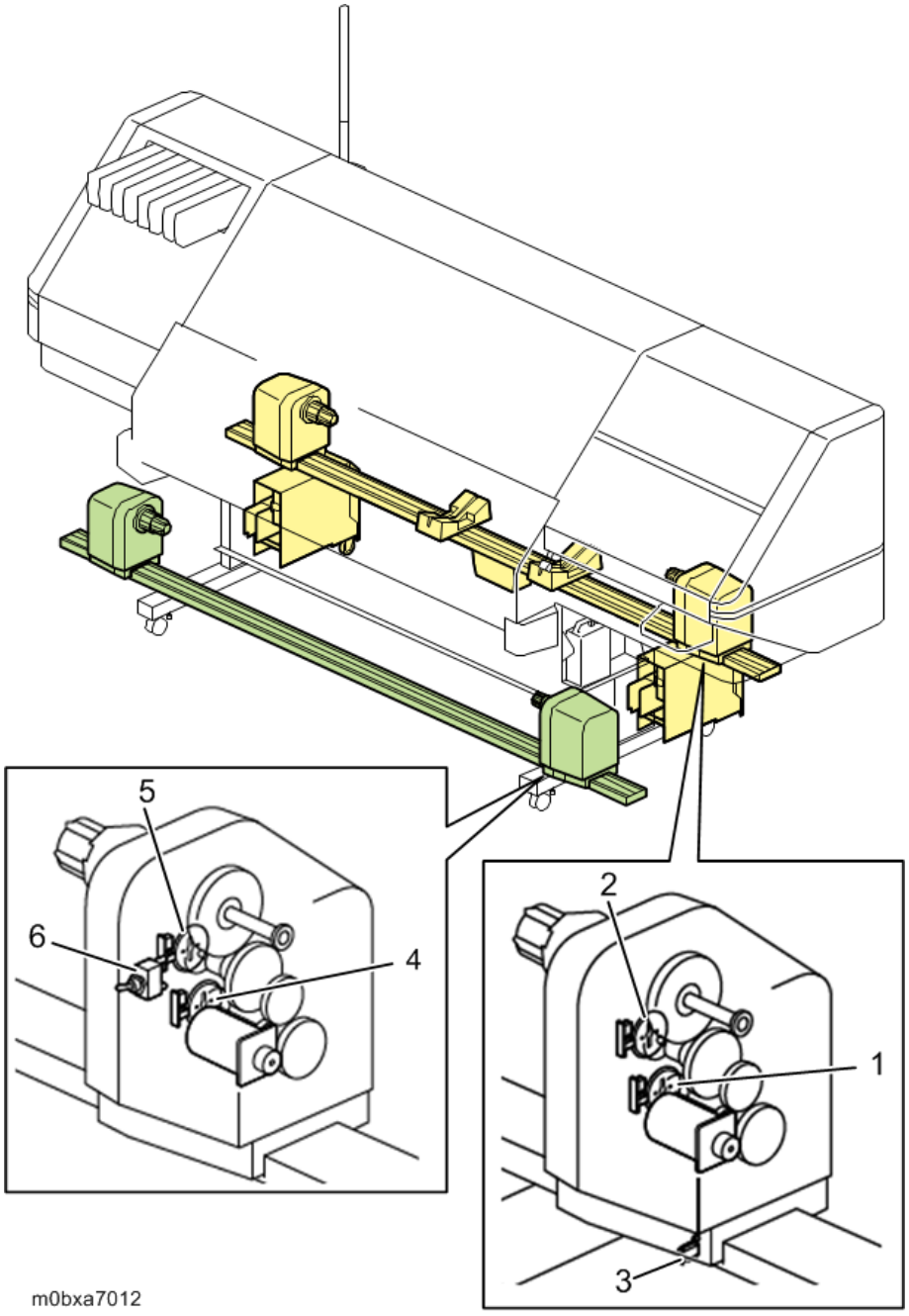
Roll paper and cut sheet paper can be used with this machine.

- When using roll paper
  The roll feed unit feeds the paper set to the roll holder. The paper transport unit transports paper from the roll feed unit and then printing is done on the platen. Roll paper that has been printed on passes through the paper drying unit and is rolled up by the paper tube set in the winding unit.
- When using cut sheet paper
  When using cut sheet paper, printing is done on the cut sheet paper which is set directly in the paper transport unit. The cut sheet paper passes through the paper drying unit and is outputted.



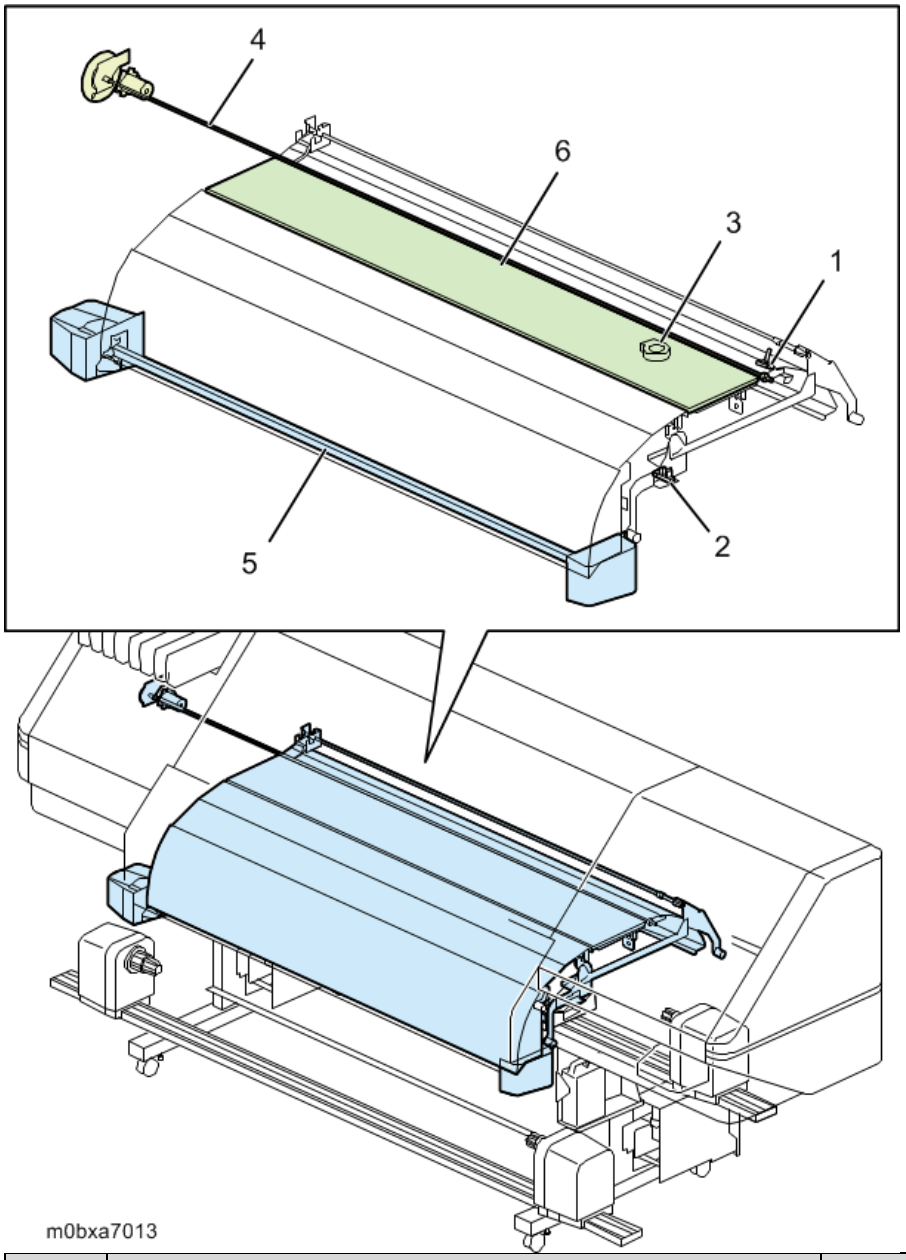
No.	Name	No.	Name
1	Roll Feed Unit	3	Winding Unit
2	Paper Transport Unit		

Roll Feed/Winding Unit



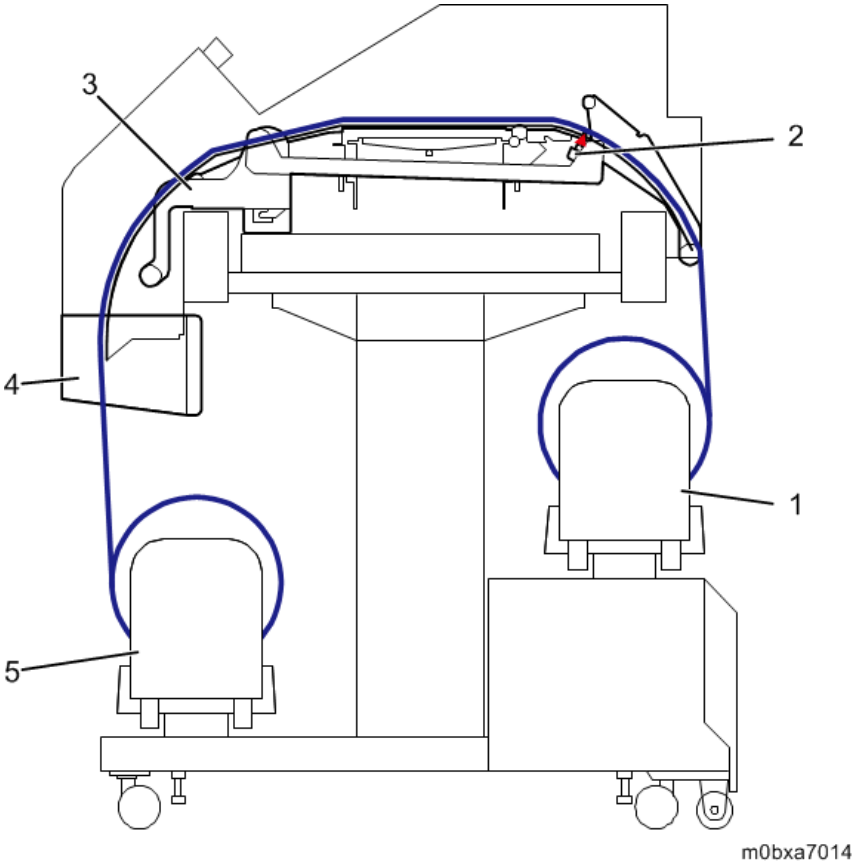
No.	Name	No.	Name
1	Paper Feed Encoder	4	Roll-up Encoder
2	Roll Paper Residual Amount Encoder	5	Take-up Unit Rotary Encoder
3	Roll Feed Unit Set Switch	6	Roll-up Switch

Paper Transport Unit



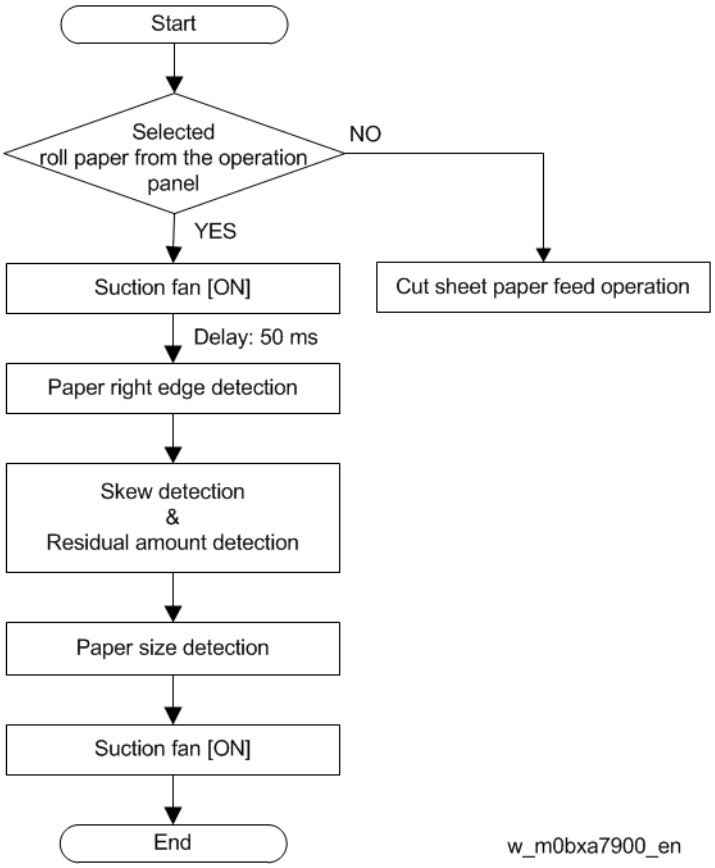
No.	Name	No.	Name
1	Front Registration Sensor	4	Registration Roller
2	Registration Pressure Release Sensor	5	Cutter Unit
3	Suction Fan	6	Platen

Media Path



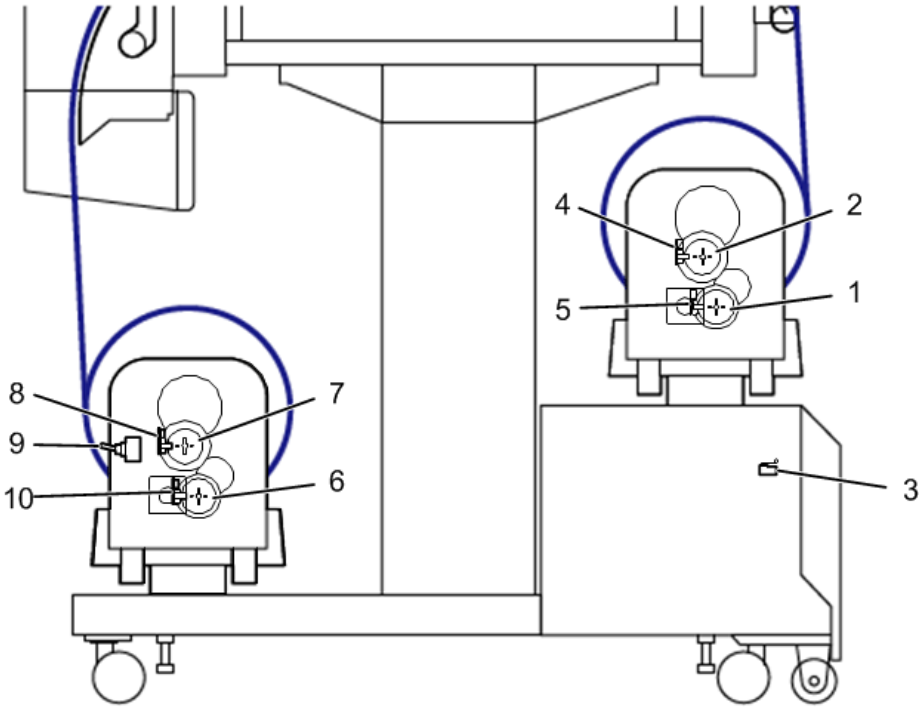
No.	Name	No.	Name
1	Paper Feed Unit	4	Cutter Unit
2	Front Registration Sensor	5	Winding Unit
3	Pressure Release Lever		

Initial Operation When Setting the Roll Paper



Roll Feed/Winding Unit

The roll feed unit feeds the roll paper set to the roll holder. The winding unit rolls up roll paper to the roll core set to the roll core holder after printing.

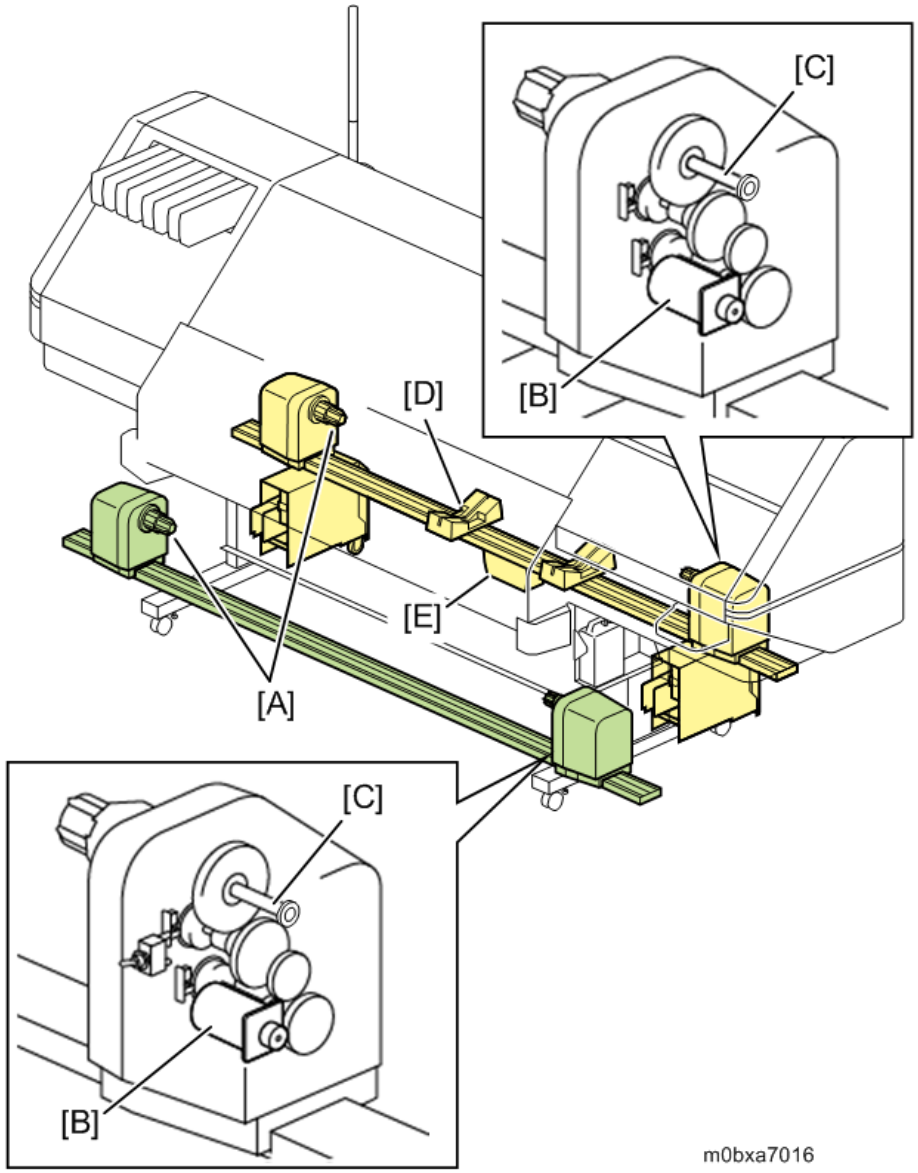


No.	Name	No.	Name
1	Paper Feed Encoder	6	Roll-up Encoder
2	Roll Paper Residual Amount Encoder	7	Take-up Unit Rotary Encoder
3	Roll Feed Unit Set Switch	8	Take-up Unit Rotary Encoder
4	Roll Paper Residual Amount Encoder Sensor	9	Roll-up Switch
5	Paper Feed Encoder Sensor	10	Roll-up Encoder

Basic Component

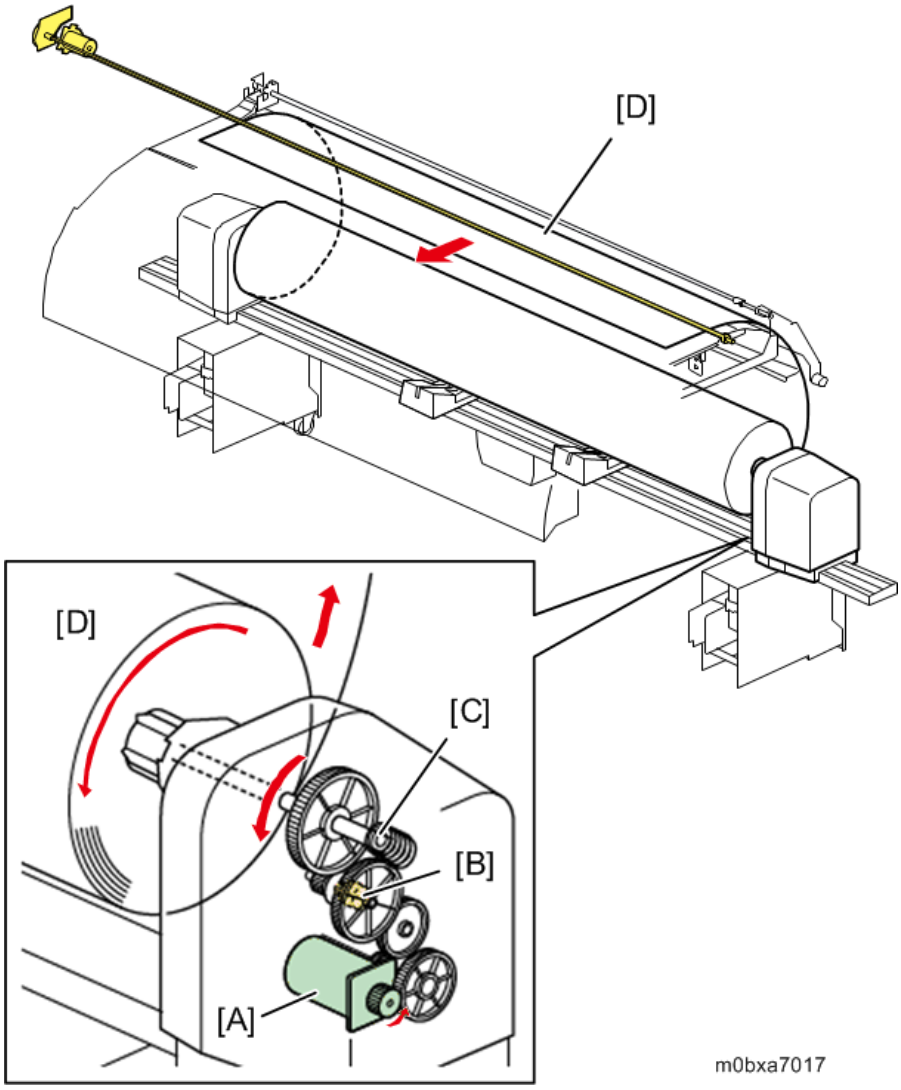
The configuration is common to the roll feed unit and the winding unit. Either the roll paper or the roll core is set to the roll holder/roll core holder [A] at both sides of the unit. The drive motor [B] rotates the roll core holder shaft [C] to feed/wind paper. The media bench [D] can be used for temporarily placing the roll paper when setting it.

Only the roll feed unit is equipped with the drawer lever [E] which enables the user to draw out the unit when replacing roll paper.

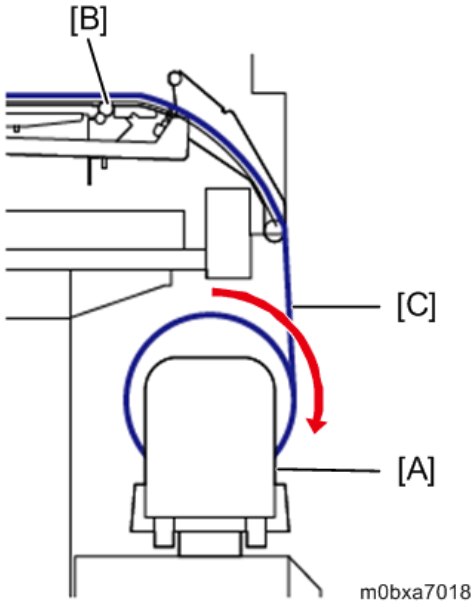


Roll Paper Feed Drive

The roll feed unit is equipped with the paper feed motor [A] which rotates the roll core holder shaft [C] via the torque limiter [B] to transport roll paper. Have the fed roll paper arrive at the registration roller [D] by hand.

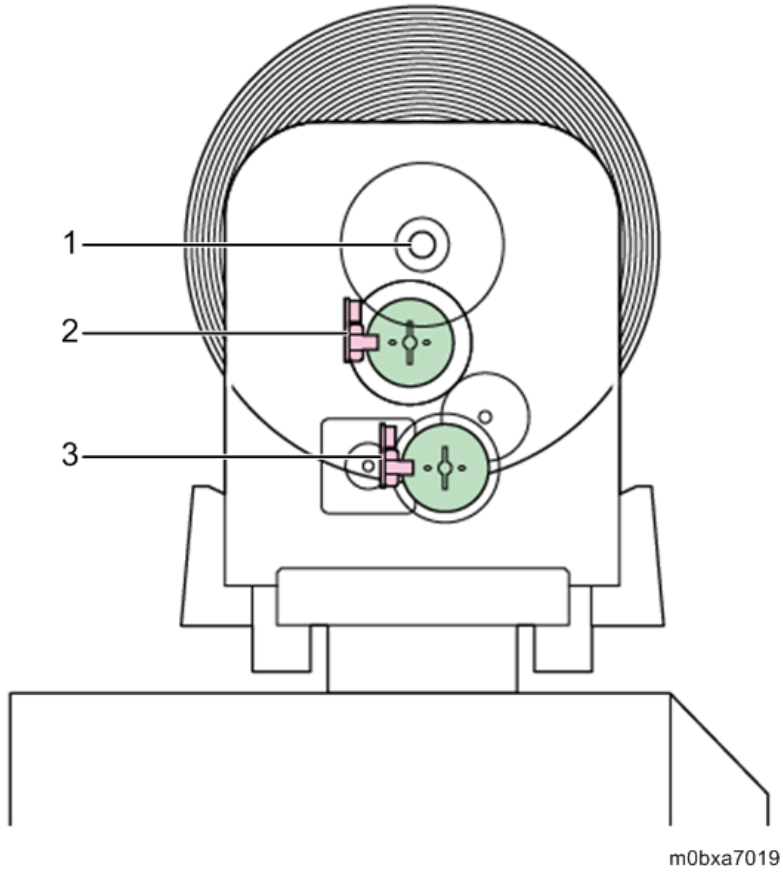


The machine's paper feed motor rotates in reverse direction when transporting paper to rewind it. This puts tension on the roll paper [C] between the roll feed unit [A] and the registration roller [B], preventing the slack of paper.



Remaining Paper Detection, Paper Feed Motor Rotation Detection

The amount of remaining roll paper is detected by calculating the outside diameter of the roll based on the number of rotations of the roll core holder shaft which is detected by the roll paper residual amount encoder sensor from the encoder.

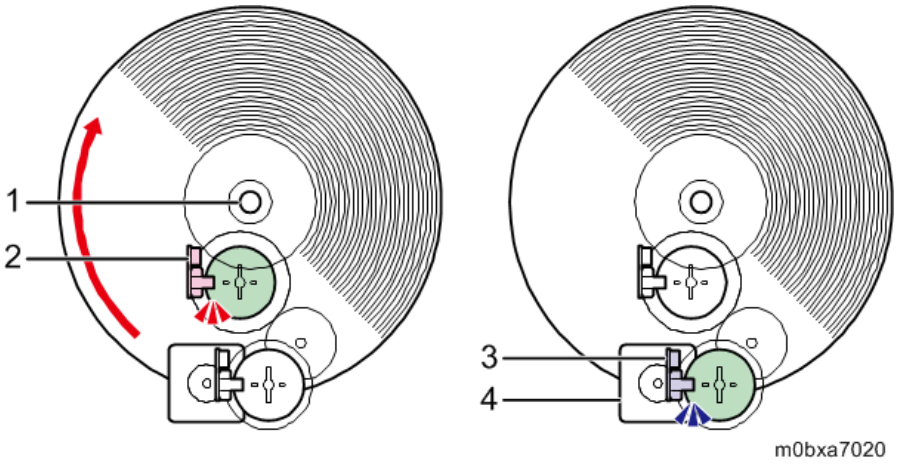


No.	Name	No.	Name
1	Flange shaft	3	Paper Feed Encoder Sensor
2	Roll Paper Residual Amount Encoder Sensor		

The amount of remaining roll paper is measured at the following timings.

- Initialization after the roll paper is set
  It is measured when the carriage unit moves forward and performs skew detection.
- Intermittent operation during printing and drying after printing
  It is measured at the start of intermittent drive after each time paper is transported 80 mm.

The paper feed encoder sensor checks the operation and number of rotations of the motor.



No.	Name	No.	Name
[A]	Roll paper residual amount detection	[B]	Motor rotation detection
1	Flange Shaft	3	Paper Feed Encoder Sensor
2	Roll Paper Residual Amount Encoder Sensor	4	Paper Feed Motor

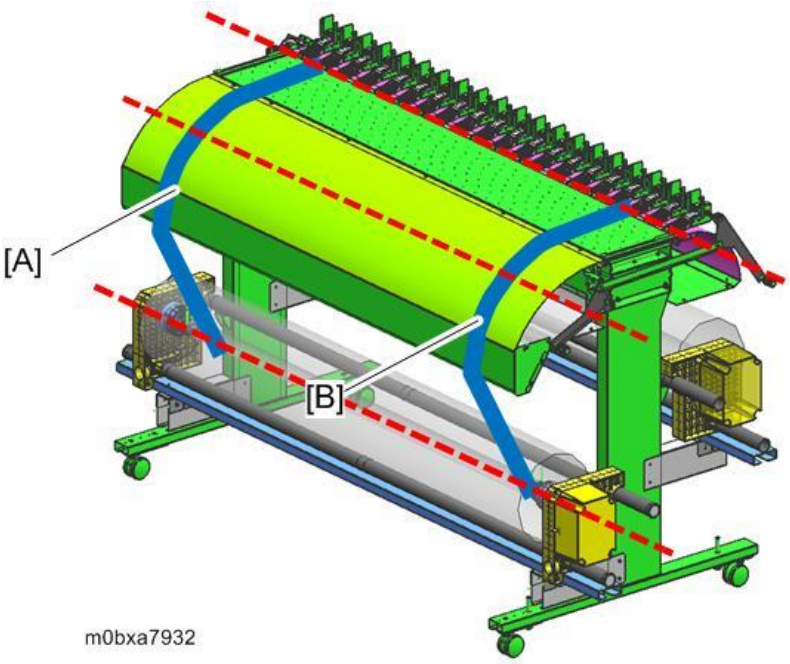
Roll Paper End Detection

There are two types of roll paper: One whose edge is fixed to the core and one whose edge is not.

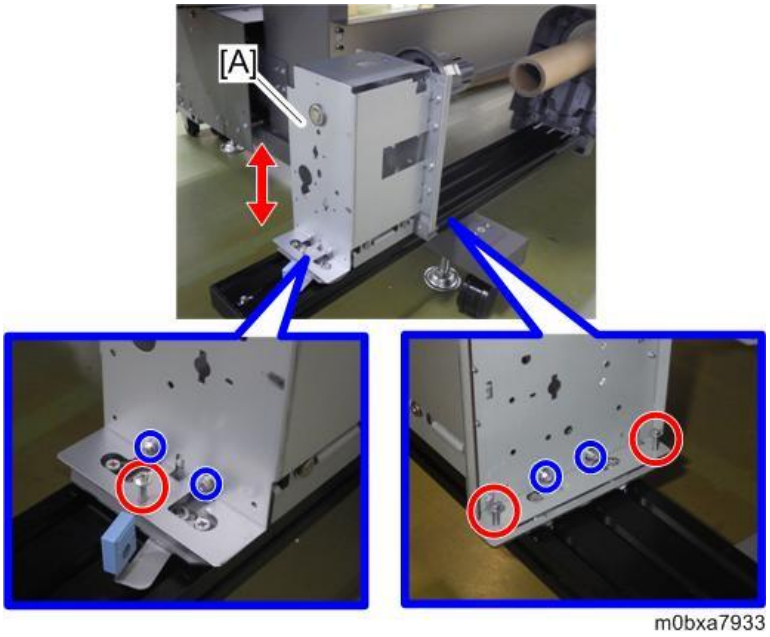
- Fixed type (paper which cannot be separated from the core)
  - Detection during transportation
    When a fixed type of paper is used, the voltage applied to the sub scan motor increases rapidly when paper ends. The machine decides that paper ended when the voltage applied to the sub scan motor exceeds the threshold for a specified period or a specified number of transportations. The threshold voltage can be configured using SP1-954-001. The time can be configured using SP1-954-002. The number of transportations can be configured using SP1-954-008.
  - Detection during registration roller HOLD operation
    When roll paper ends, the paper between the paper feed roller and the registration roller becomes tense. When pressure is applied to the registration roller at this point in order to hold the roll paper, the voltage applied to the sub scan motor increases. The machine decides that paper ended when the voltage applied to the sub scan motor exceeds the threshold while pressure is applied to the registration roller. The threshold voltage for the sub scan motor during registration roller HOLD operation can be configured using SP1-954-003 to 006.
  - Detection through measurement of the roll diameter
    When roll paper ends, the roll core holder shaft does not rotate and the roll diameter calculated by the roll paper residual amount encoder becomes large. The machine decides that paper ended when the calculated roll diameter is 750 mm or larger twice in a row.
- Unfixed type
  The machine decides that paper ended when the trailing edge of the paper passes the front registration sensor.

Skew adjustment mechanism

When installing the machine, you must manually adjust the height of each roll holder and adjust the levelness of the roll feed/transport/winding unit. (See Main Machine Installation > Paper Feed / Roll-up Alignment Adjustment.) Doing this ensures that the paper length is the same at both left and right edges [A] [B] of roll paper, preventing paper skew.

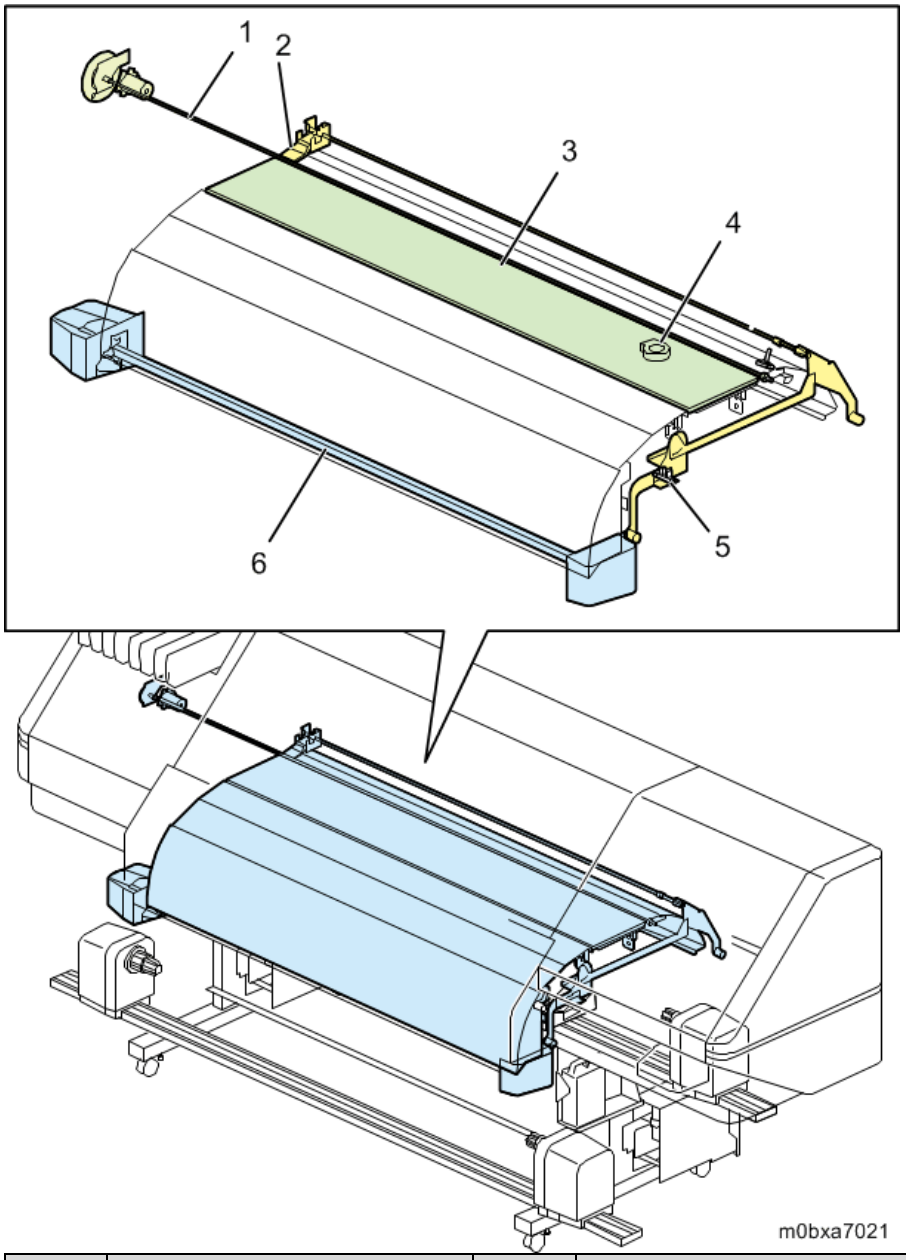


The height of the roll holder can be changed by adjusting the three screws in red circles with the four screws in blue circles loosened. Tightening the screw in red circles lifts up the bracket [A] which moves the roll holder up. Loosening the screw in red circles lowers down the bracket [A] which moves the roll holder down.



Paper Transport Unit

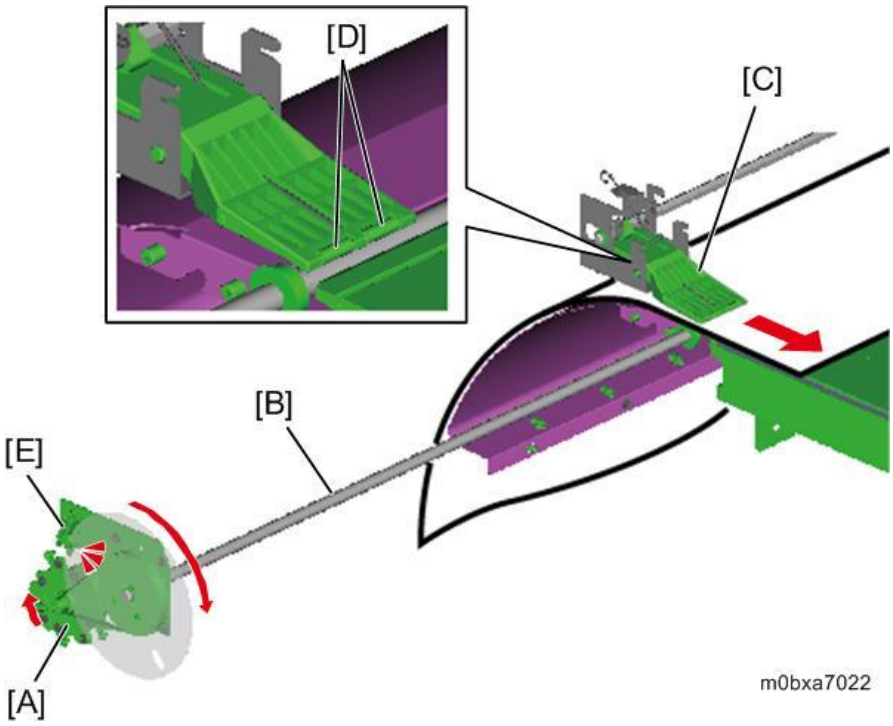
The paper transport unit is equipped with the registration roller which transports the media.



No.	Name	No.	Name
1	Registration Roller	4	Suction Fan
2	Pinch roller arm	5	Registration Pressure Release Sensor
3	Platen	6	Cutter Unit

Paper Transport Drive

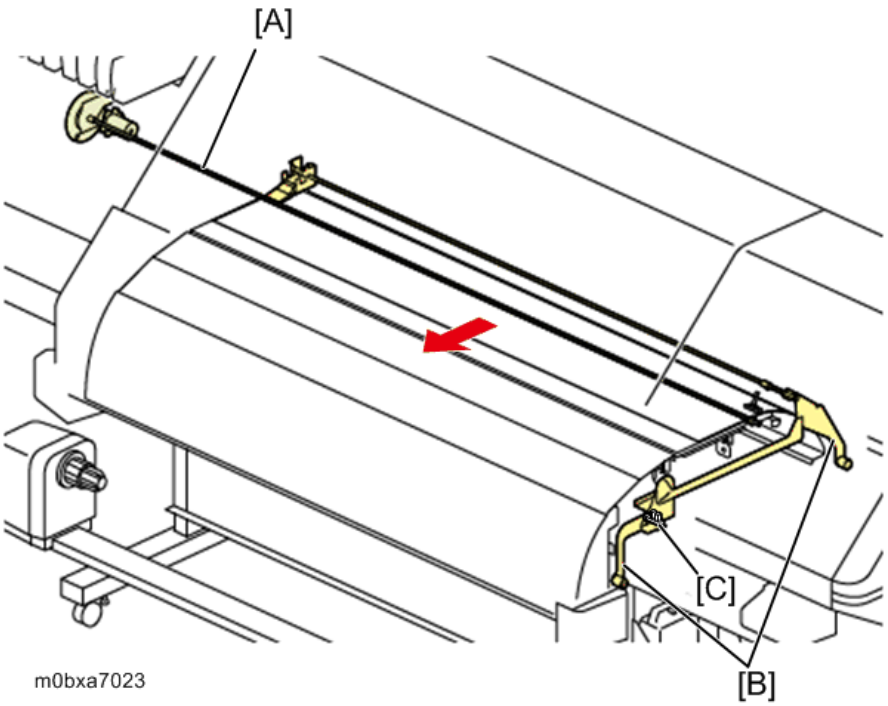
Printing in the sub scan direction is done as the registration roller [B] is driven by the sub scan motor [A]. The paper is held by the registration roller [B] and the pinch roller [D] installed on the pinch roller arm [C] while it is transported. The sub scan motor is controlled by the sub scan encoder sensor which detects the sub scan encoder.



Registration Roller Release

The registration roller [A] is equipped with the pressurization unit which applies pressure to the paper while it is transported. When paper is set, pressure release operation is possible through manipulating the paper holder lever [B] on the right side of the machine. The paper holder lever [B] can be operated from both front and back of the machine.

The pressure release condition is detected by the registration roller release sensor [C].



Paper Width Detection

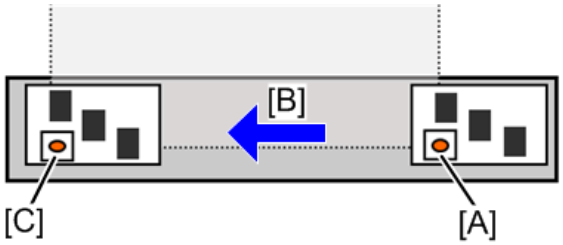
Because there is no paper size detection mechanism in the roll feed unit, the paper width (main scan

width) is detected by the paper edge sensor installed in the carriage unit when the carriage unit moves forward and is used to control the maximum print width.

The role and detection mechanism of the paper edge sensor are as follows:

- Size Detection

  The paper edge sensor detects papers from right edge to left edge while the carriage moves forward.



m0bxa7064

  - [A]: Right edge detection
  - [B]: Moves to the flushing position
  - [C]: Left edge detection
- Paper Edge Detection

  Checks that the paper right edge does not exceed the scale of the paper right edge on the platen (the paper right edge is within the extent of ±10 mm).
- Skew Detection

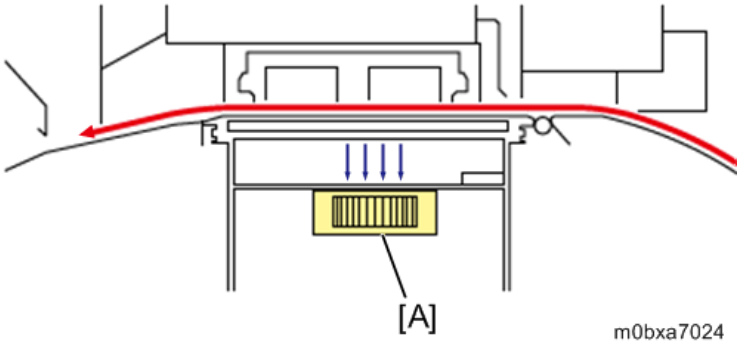
  After the first measurement of the paper right edge, skew detection sends papers in the sub-scan direction 200 mm.

  In the second measurement of the paper right edge, skew detection judges OK if the skew amount is 1% or less.

  * A cut paper is sent 100 mm.

Media Suction Mechanism

Media suction mechanism is installed in the platen in the paper transport unit. The suction fan takes in air through the holes in the platen which makes the paper stick to the platen. This enables paper to be transported while sticking to the platen which prevents paper from becoming wavy. The suction power is determined based on the type, thickness and size of the paper. It can also be configured from the [Print Adjustment] screen of the operation panel.



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Media Cutting

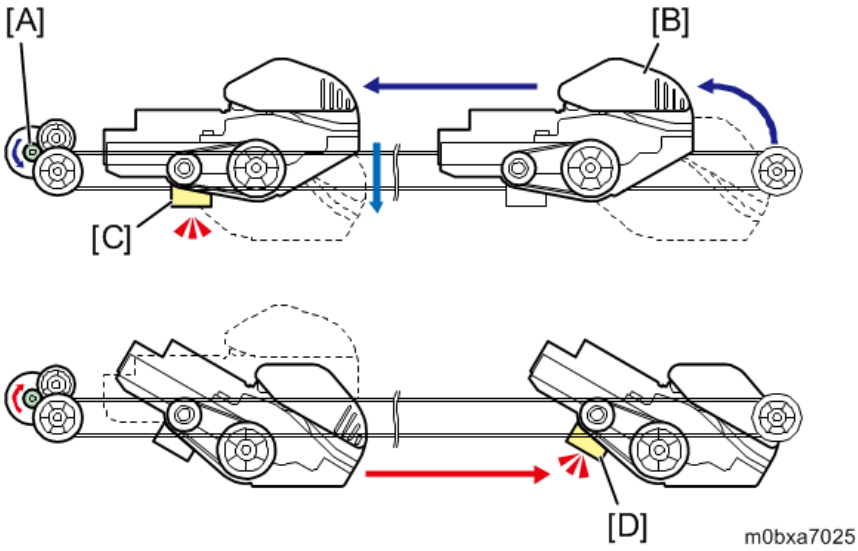
You can have the media cut by pressing [Cut] when replacing media or when printing is completed.

Note

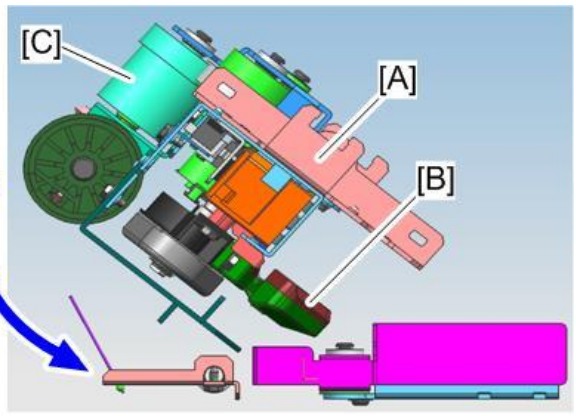
When automatic media cutting is enabled in the printer setting of the RIP software, media is cut automatically.

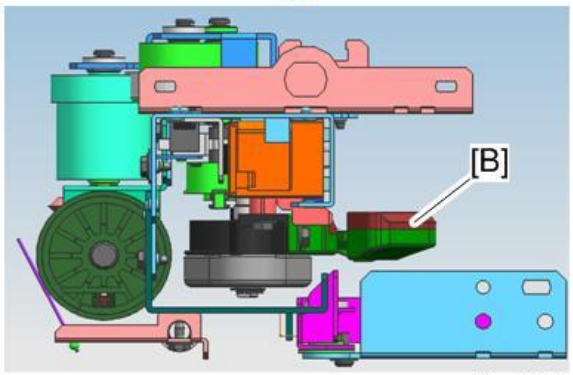
Cutting operation is performed as the cutter motor [A] drives the cutter [B] and the cutter moves from the home position (right side of the machine) to the left side.

The cutter unit has cutter HP switches on both sides (left side: [C], right side: [D]). When the switch detects the cutter's movement to the left, the cutter motor rotates in reverse direction to return the cutter to the home position.



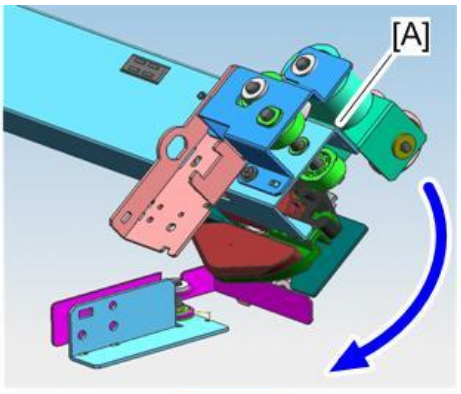
When the cutter [A] starts moving to the left, it rotates until the cutter unit [B] is perpendicular to the media. It moves further to the left and cuts the media, rotates again until it is at the original angle, and then moves back to the right. The rotation of the cutter unit is driven by the cutter motor [C] via the timing belt and gears.

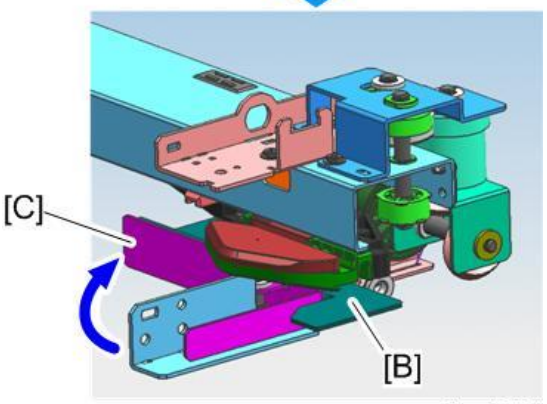




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When the cutter unit [A] rotates while cutting the media, the cutter unit guide [B] pushes the media holder plate [C] and nips the media. This produced better cutting quality by preventing the media from being twisted.



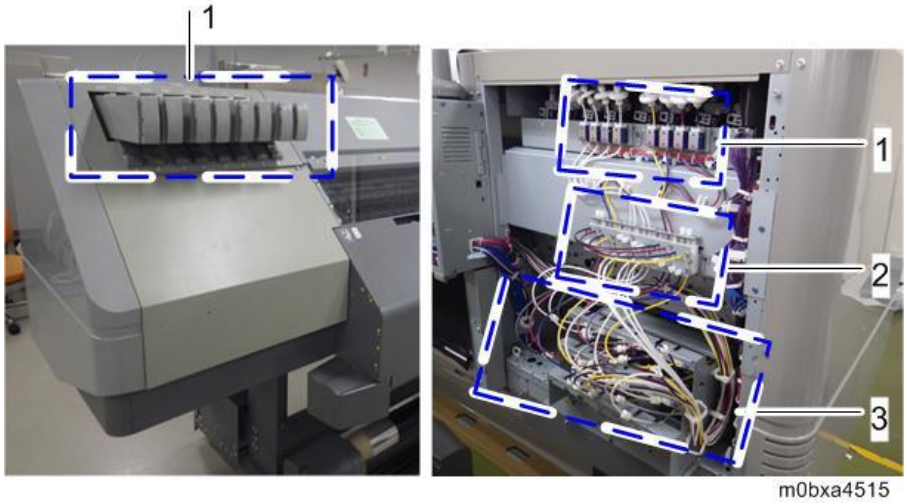


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Ink Supply Unit

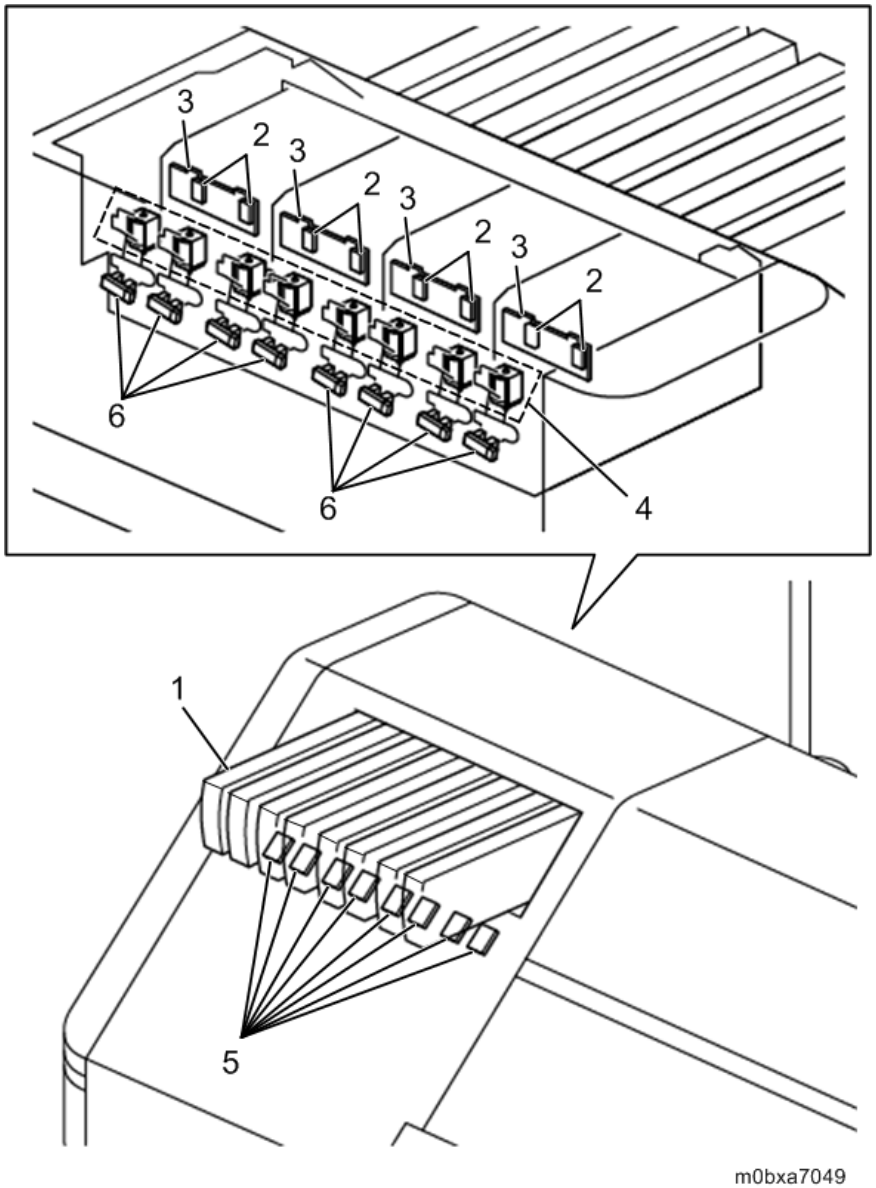
Overview

The ink supply unit is on the left rear side of the machine and consists of the following units.



No.	Name
1	Ink Cartridges
2	Flow Passage Branch Unit
3	Ink Supply Unit

Ink Cartridges



No.	Name	No.	Name
1	Ink Cartridges	4	Supply Open/Close Solenoids
2	ID Chips	5	Ink Cartridge Lock
3	CCB	6	Ink End Sensors

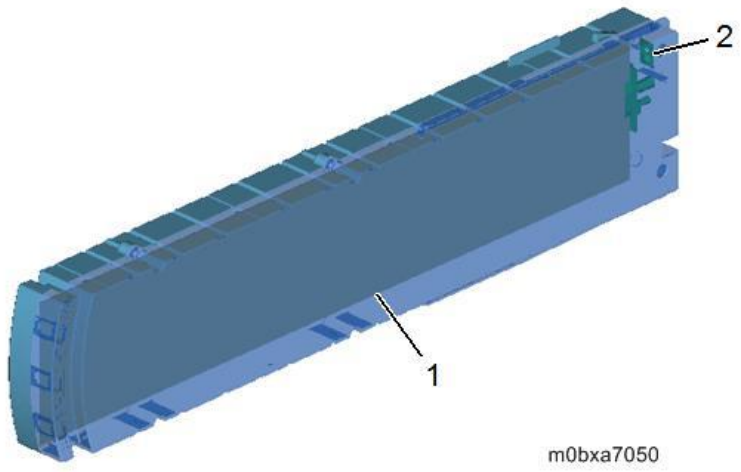
Ink Cartridges

The ink cartridge for each color is independent from each other. Ink is vacuum-packed inside the cartridge.

- Expiration date of ink
  Ink cartridges have an expiration date. The expiration date is written on the ink cartridge, and also registered on the IC chip.
  Ink cartridges can be used within 30 days after the expiration date. However, they cannot be used after 30 days or more.

The display panel will display "The expiration date of the ink is near." 30 days before and after the actual expiration date. Prepare a new ink cartridge.
If 30 days or more pass following the expiration date, "Ink has expired." will be displayed, and the machine cannot be used. Replace the corresponding color ink cartridges.
However, if two ink cartridges of the same color are installed, and if one of them is usable, the machine can still be used. The error message will not be displayed.

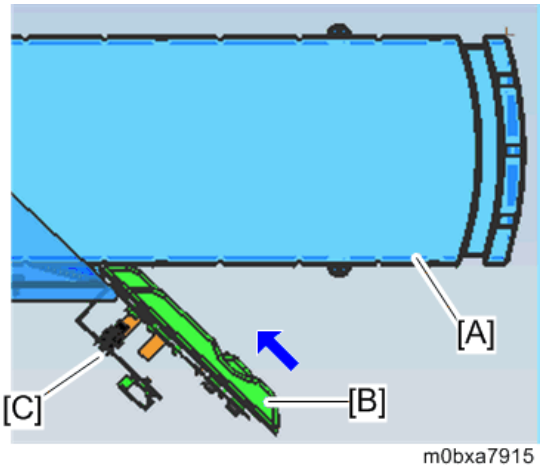
- ID Chips
  An ID chip is attached on the back side of the ink cartridge. The ID chip stores information of the cartridge. The amount of remaining ink stored on each cartridge enables the machine to display the amount of remaining ink precisely. Ink cartridge set detection is also done separately for each cartridge.
  The ID chip also stores information about whether it is unused and the lot number. Furthermore, it remembers the color, which enables the machine to detect when a cartridge is set in the slot of a different color.



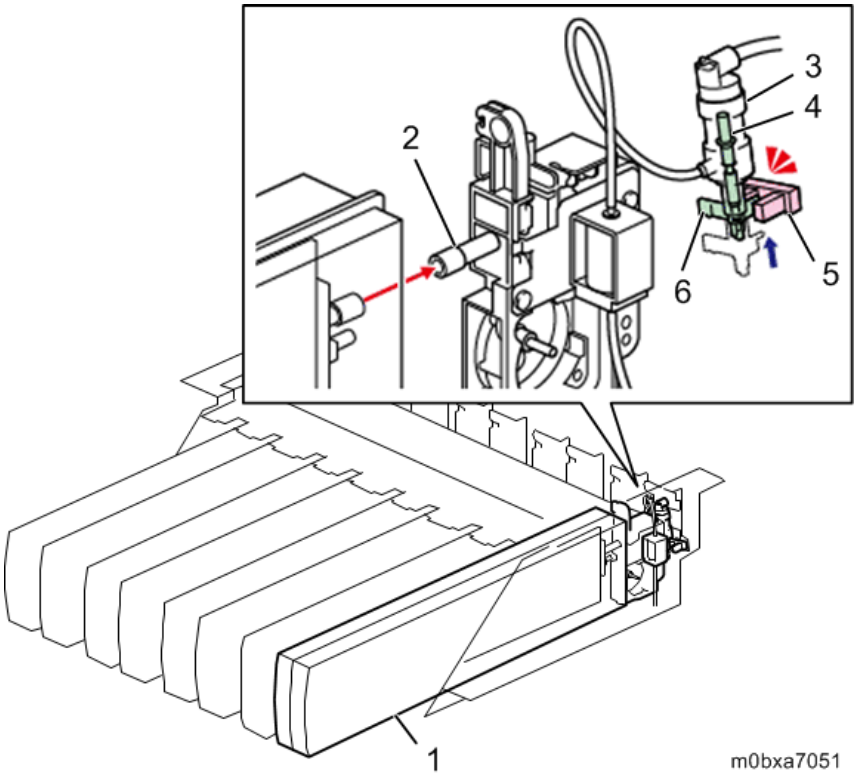
No.	Name	No.	Name
1	Square Bag	2	ID Chip

Ink Cartridge Lock Mechanism

To prevent the ink cartridge from being set or removed while the machine is equipped with an ink cartridge lock mechanism. The ink cartridge [A] is locked by lifting the lock lever [B]. The feeler of the lock lever blocks the light to the ink cartridge lock sensor [C].



Ink End Detection



No.	Name	No.	Name
1	Ink Cartridge	4	Piston
2	Supply port	5	Ink End Sensor
3	Cylinder	6	Feeler

- Near-end
  The ink consumption is recorded by the software. Near-end is detected when the remaining amount becomes 35% or lower. Near-end indicator for the corresponding ink cartridge is displayed on the operation panel.
- Ink end

There is a feeler at the end of the piston inside the ink supply unit.

When ink cannot be supplied from the ink cartridge, the pressure inside the cylinder drops, causing the piston to move down. Then the ink end sensor detects the feeler.

When two cartridges of the same color are used, ink is supplied from the other cartridge after ink end detection. When there is no cartridge of the same color, ink end indicator for the corresponding ink cartridge is displayed on the operation panel.

Operating Conditions for Each Ink Remaining Status

Status	Definition	Operating Condition
Normal	Neither near-end nor ink end	Usable
Near-end	Remaining ink is less than the near-end threshold.	Usable
Ink end	Ink cartridge is empty. Ink end sensor is ON when the pump supplies liquid.	Unusable

Remaining Ink Display

Remaining ink is displayed on the operation panel in 6 steps as follows.

Operation panel display	Remaining ink status	Ink remaining in the cartridge
	Remaining amount: 5 (full)	100 to 83.75 %
	Remaining amount: 4	83.75 to 67.5 %
	Remaining amount: 3	67.5 to 51.25 %
	Remaining amount: 2	51.25 to 35 %
	Remaining amount: 1 (near-end)	35 % or less
	Remaining amount: 0 (ink end)	0 %

Remaining ink can also be confirmed using the following SP.

SP No.	Name
SP7-902-012	Ink remaining in cartridge 1
SP7-903-012	Ink remaining in cartridge 2
SP7-904-012	Ink remaining in cartridge 3
SP7-905-012	Ink remaining in cartridge 4
SP7-929-012	Ink remaining in cartridge 5
SP7-930-012	Ink remaining in cartridge 6
SP7-931-012	Ink remaining in cartridge 7
SP7-932-012	Ink remaining in cartridge 8

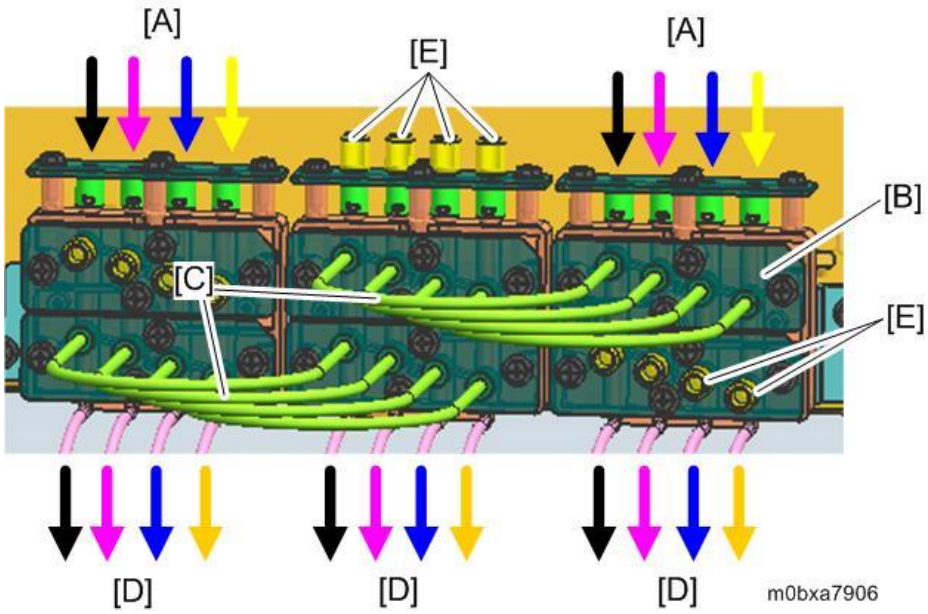
Flow Passage Branch Unit

The flow passage branch unit distributes ink from the ink from the ink cartridges (8) to the supply pumps (12). Ink distribution is done with the joint tubes.

The eight ink tubes [A] from the ink cartridges go into the flow passage branch unit [B] and are distributed to twelve ink tubes [D] via the joint tubes [C], and then connect to the supply pumps.

The connection paths of the ink tubes and joint tubes differ depending on the combination of ink. When there are unused paths, close them with the sealing caps [E].

Example: 4-color machine



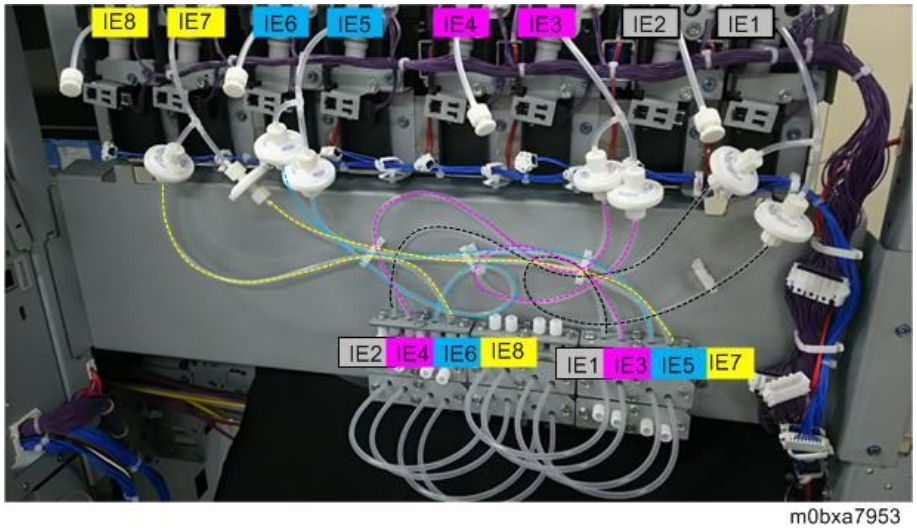
Piping Patterns of Ink Tubes/Joint Tubes

The following patterns of ink combination can be used in this machine.

- 4C: Uses two cartridges of each of cyan, magenta, yellow and black.
- 4C+W: Uses one cartridge of each of cyan, magenta, yellow and black, and four cartridges of white.

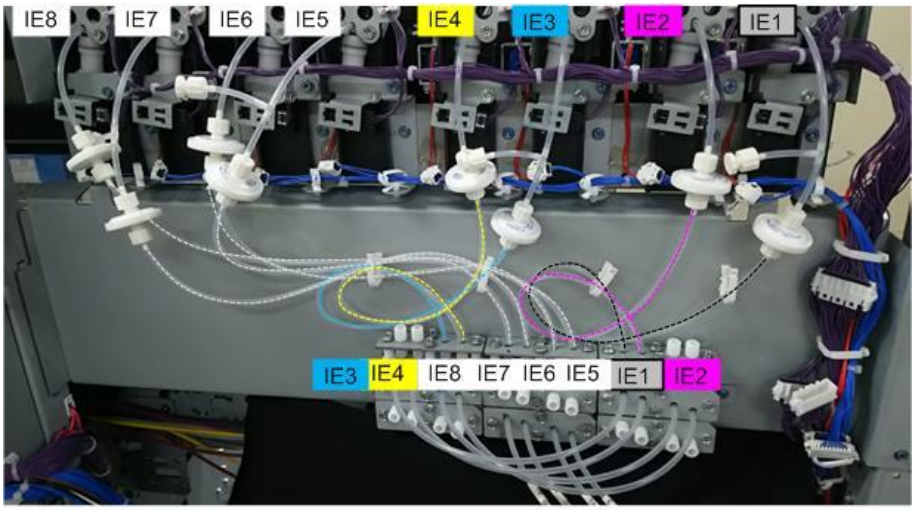
The piping patterns of ink tubes/joint tubes differ depending on the ink combination. The machine is configured using the 4C pattern in the factory. If the customer is going to use the 4C+W pattern, the piping pattern must be changed during machine installation.

- 4C machine



IE: Ink end detection

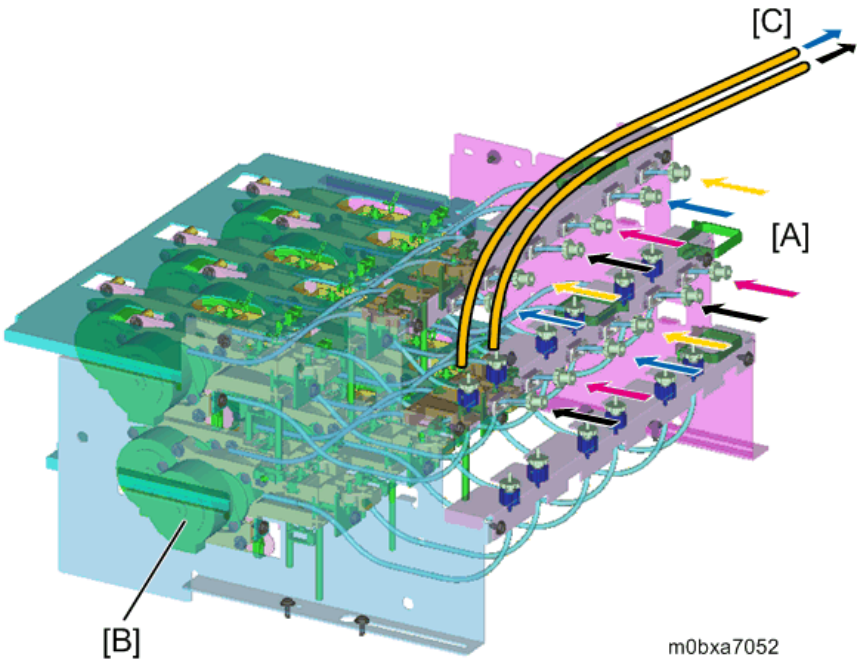
- 4C+W machine



IE: Ink end detection

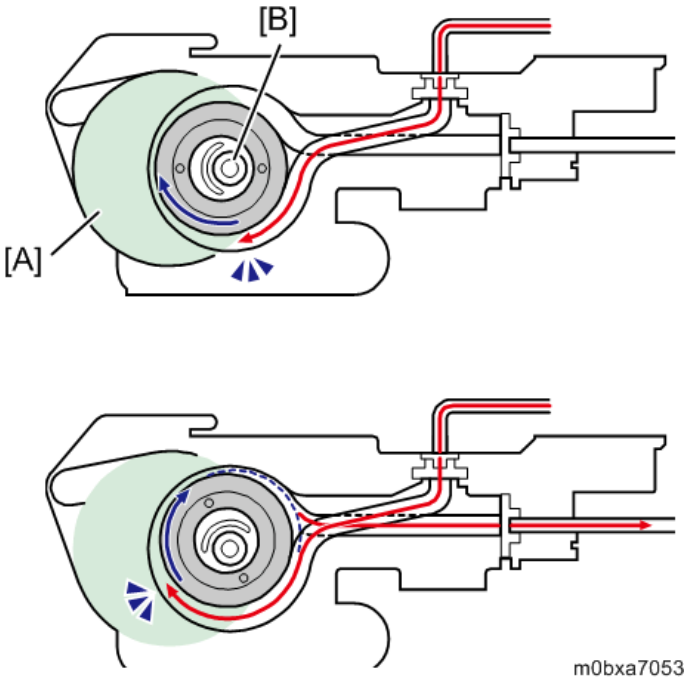
Ink Supply Unit

Ink [A] that has been distributed via the flow passage branch unit is driven by the ink supply pump [B] and supplied [C] to the damper inside the carriage unit.



Ink Supply Mechanism

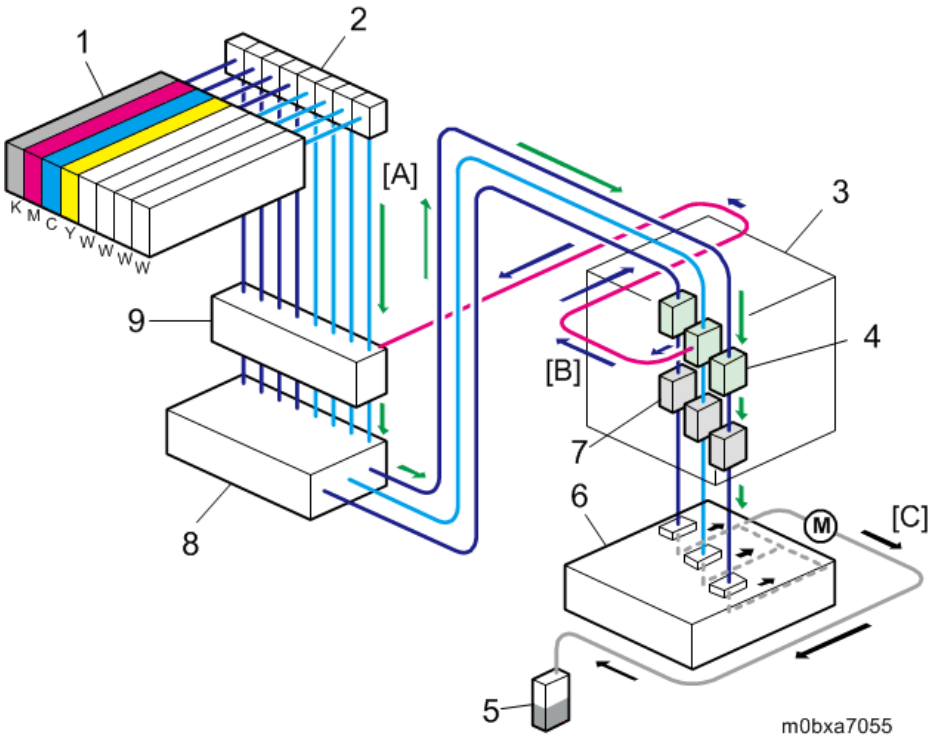
Tubing pump was adopted as the ink supply mechanism. In the tubing pump mechanism, the ink supply motor [A] rotates the eccentric cam [B] to squeeze the ink tube and supply ink.



Ink Supply Path

Ink is supplied from the ink cartridge to the damper as follows.

Ink supply path overview (4C+W machine)

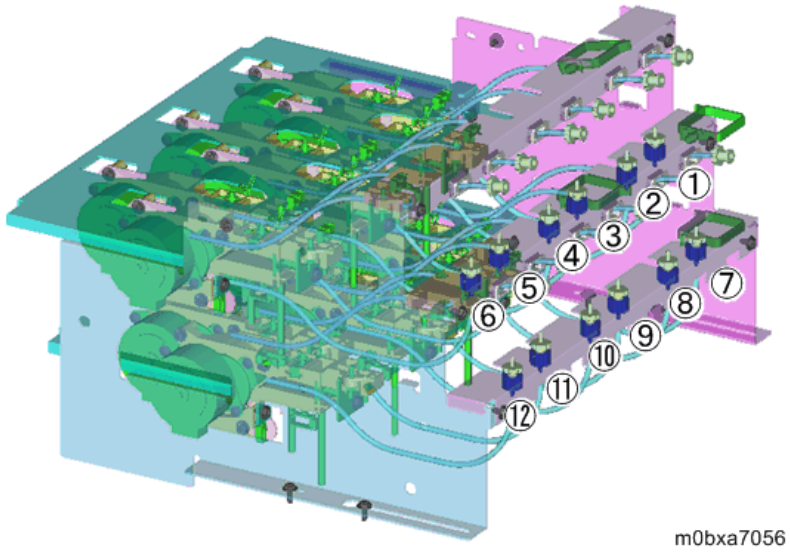


- [A]: Ink supply path
- [B]: White ink circulation path
- [C]: Waste ink collection path

No.	Name	No.	Name
1	Ink cartridge	6	Cap Unit
2	Supply Open/Close Solenoids	7	Print head
3	Carriage Unit	8	Supply Pump
4	Damper	9	Flow Passage Branch Unit
5	Waste Ink Bottle		

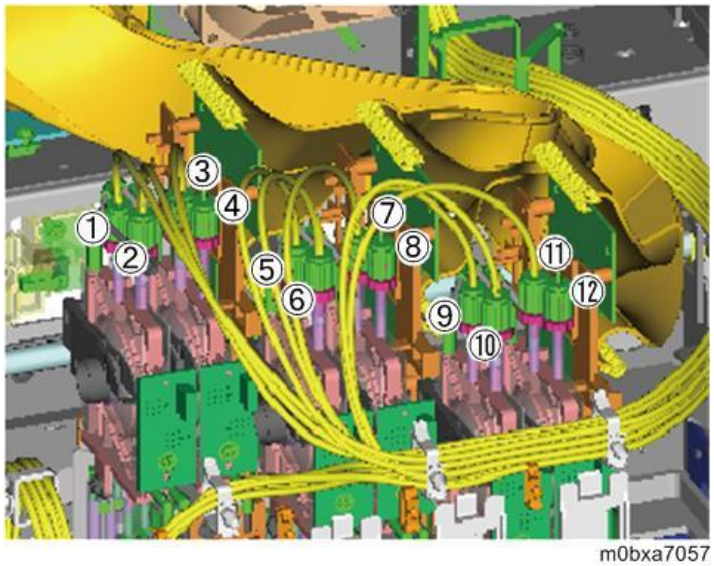
Numbers are printed on the ink tubes on the ink supply pump side and the damper side, preventing incorrect connections during maintenance.

- Ink supply pump side



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- Damper side



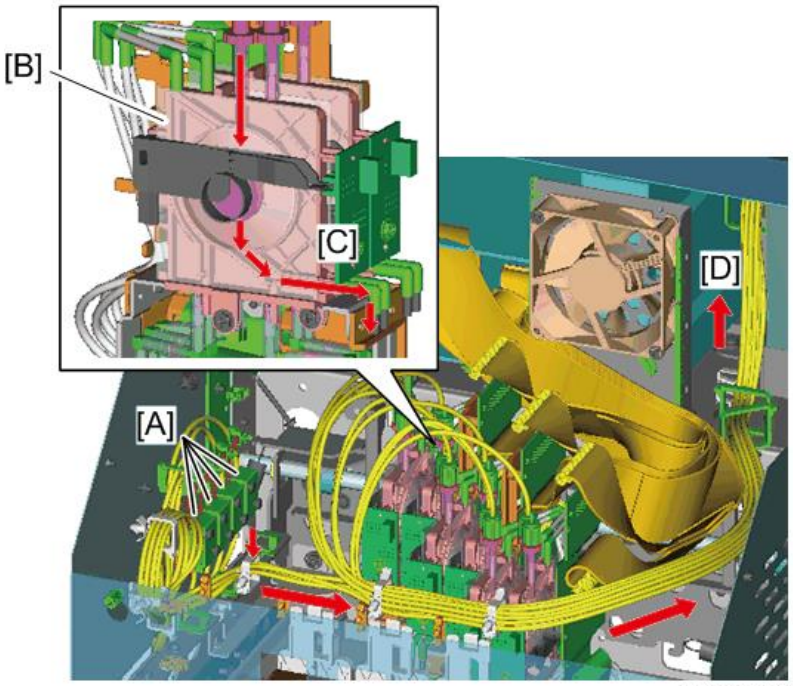
m0bxa7057

Ink Circulation Mechanism

When the white ink is left in the ink supply path for a long time, sedimentation occurs and causes the nozzles to be clogged. When white ink is used, the machine performs white ink circulation maintenance to prevent this.

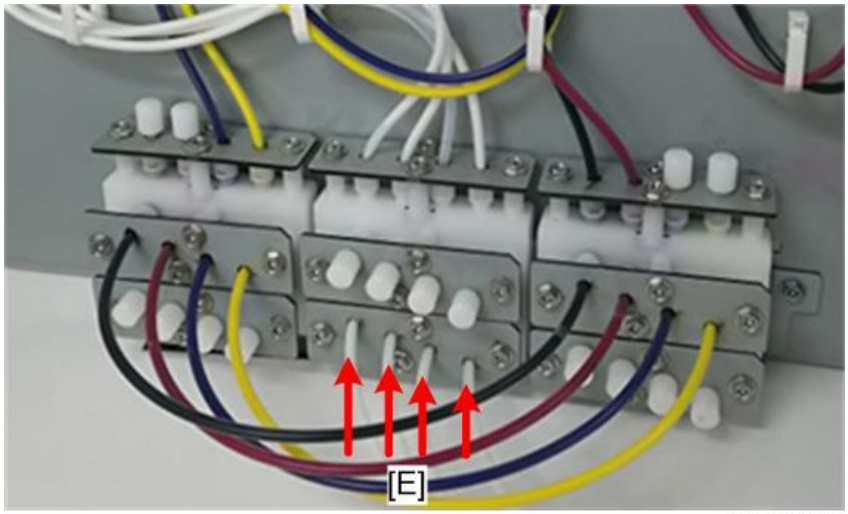
During circulation maintenance, the circulation solenoids [A] control the process. The ink in the damper [B] inside print head 2 flows through the circulation path [C] and exits the damper. It then flows through the circulation path [D] inside the carriage unit and goes to the circulation ports [E] in the flow passage branch unit. After this, the ink is supplied to the damper again by the supply motor.

- Layout of the damper side



m0bxa7058

- Layout of the flow passage branch unit side



m0bxa7914

The timing of circulation maintenance

Maintenance is done when the time that has passed since the last circulation maintenance exceeds the threshold, regardless of whether the machine is printing or idle. The threshold level can be changed in SP mode. (Factory default: Level 3 [Sixty minutes].)

Threshold level

SP No.	Name	Default	Range
SP2-512-005	Mainten. duringStandby Freq.: Circulation	3	1 to 3

Threshold of each level

SP No.	Name	Default	Range
SP2-513-015	Mainten. duringCirc. Thresh.: Circulation Lv1	180 minutes	1 to 10080 minutes
SP2-513-016	Mainten. duringCirc. Thresh.: Circulation Lv2	120 minutes	1 to 10080 minutes
SP2-513-017	Mainten. duringCirc. Thresh.: Circulation Lv3	60 minutes	1 to 10080 minutes

Note

When the threshold is changed during printing, circulation maintenance does not start until the current page is printed. When the current page is printed, circulation maintenance starts. When it is finished, printing is resumed from the next page.

Circulation maintenance ca also be done by selecting [Special Maintenance] - [Ink Circulation] on the [Maintenance] screen of the operation panel.

Duration of circulation maintenance

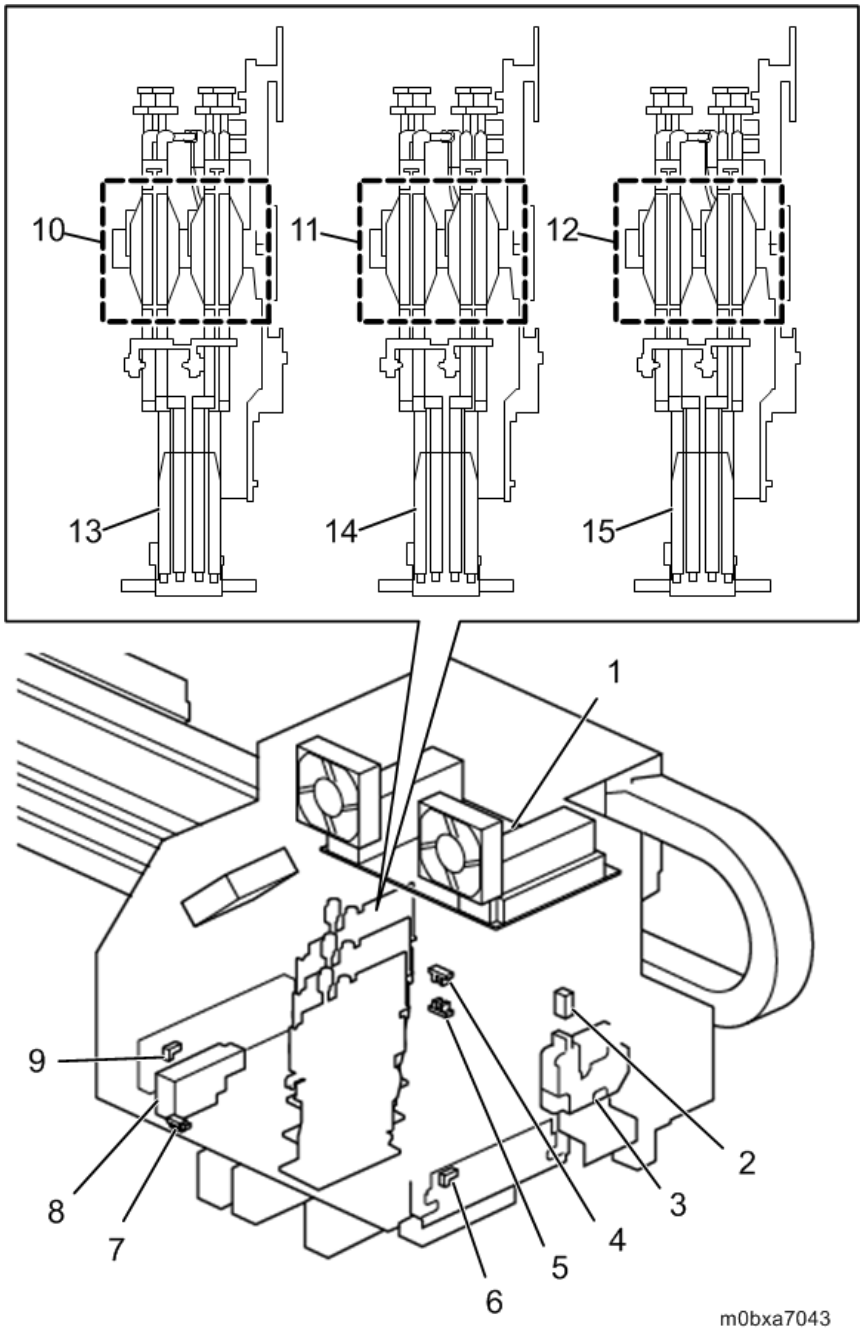
The duration of circulation can be changed in SP mode.

SP No.	Name	Default	Range
SP2-525-001	Ink Circulation Set: Circulation Time	30 seconds	0 to 600 seconds

Carriage Unit

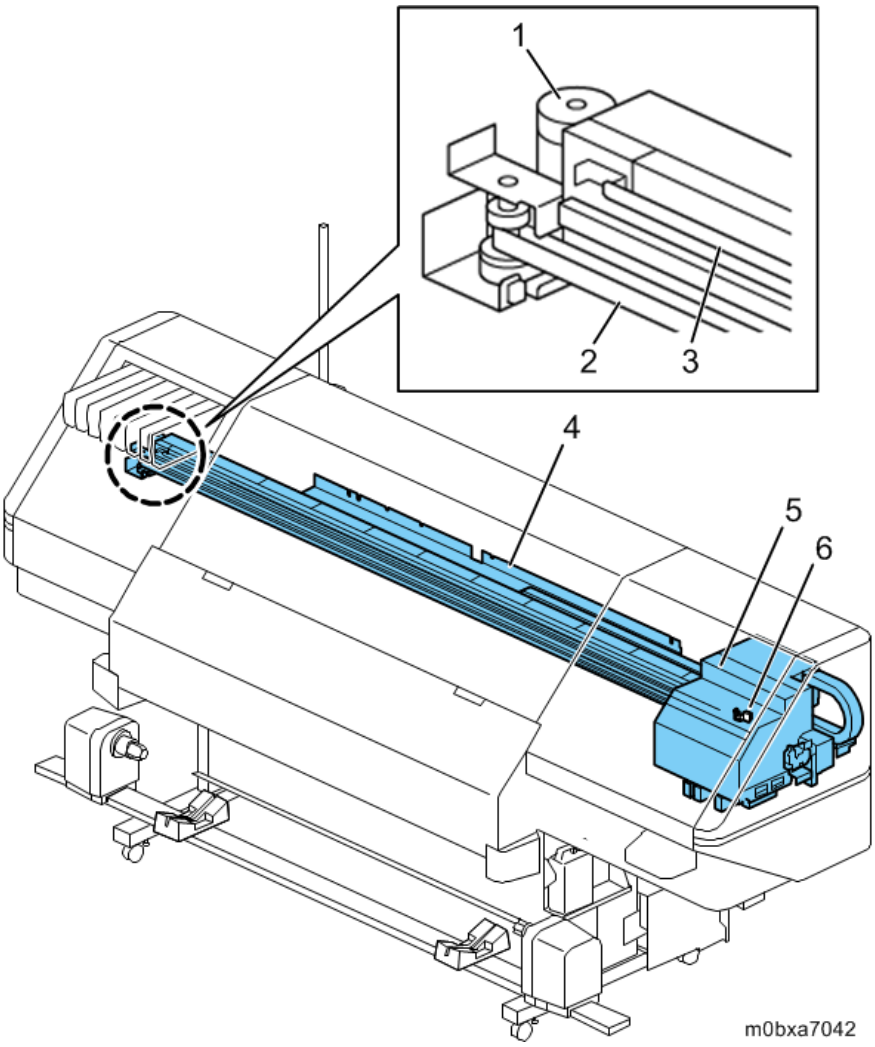
Overview

Ink supplied from the ink supply unit moves through the dampers in the carriage unit and is sprayed onto the media by the nozzles on the print heads.



No.	Name	No.	Name
1	HDC	9	Carriage Jam Sensor (Left)
2	Carriage Home Position Sensor	10	Damper 1 to 4
3	Carriage Motor	11	Damper 5 to 8
4	Carriage Rising Sensor 1	12	Damper 9 to 12

No.	Name	No.	Name
5	Carriage Rising Sensor 2	13	Print Head 1
6	Carriage Jam Sensor (Right)	14	Print Head 2
7	Paper Edge Sensor	15	Print Head 3
8	Colorimetric Sensor		



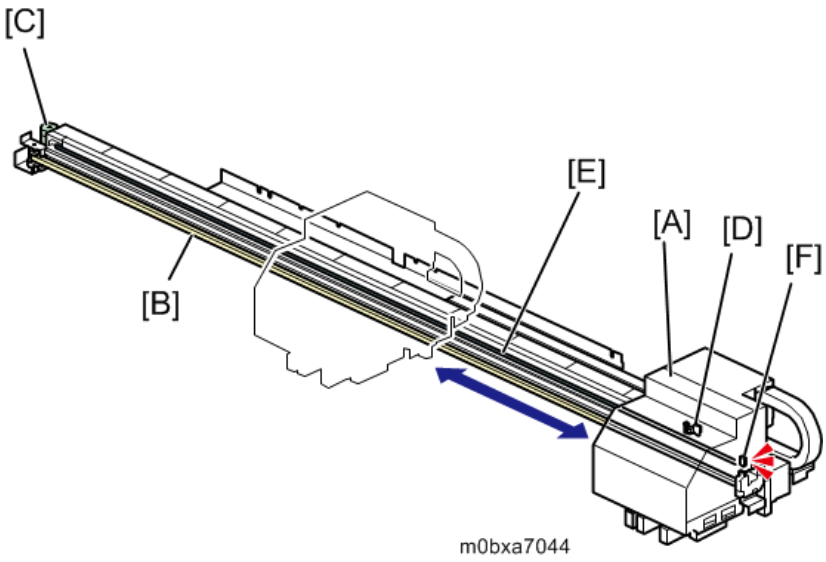
No.	Name	No.	Name
1	Carriage Drive Motor	4	Linear Guide
2	Carriage Drive Belt	5	Carriage Unit
3	Main Scan Encoder Seat	6	Main Scan Encoder Sensor

Carriage Unit

Carriage Unit Drive

The carriage unit [A] is driven by the carriage drive motor [C] via the timing belt [B]. The carriage unit is controlled by the main scan encoder [D] which reads the main scan encoder seat [E] which is parallel to the linear guide.

The home position of the carriage unit is detected by the carriage home position sensor [F].



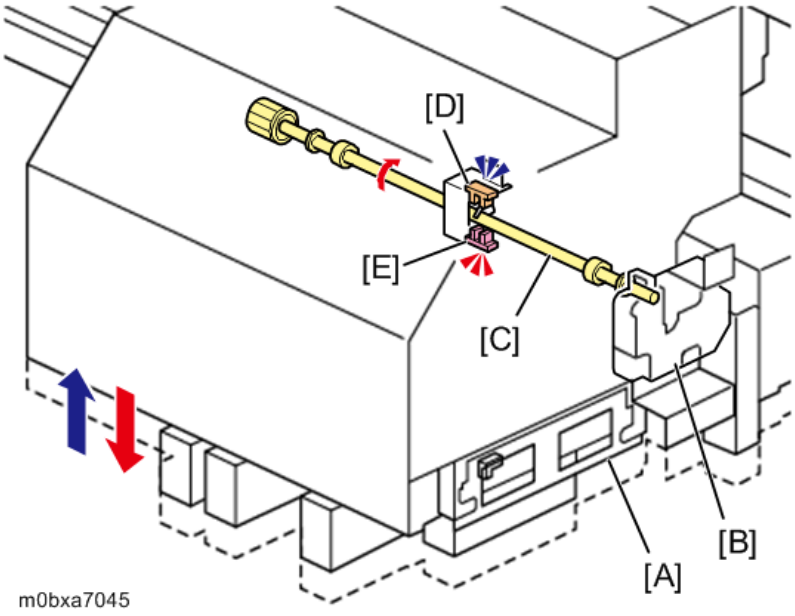
Carriage Unit Lift Mechanism

When printing under the following conditions, the media may be rubbed by the print head, causing the printed image to become dirty.

- When printing on extremely thick media
- When a large amount of ink is used and the media swells because of absorbed ink (cockling)
- When media swells because of heat caused by being left set

To prevent these from happening, how much the carriage unit is lifted can be adjusted. The customer makes adjustments from the [Print Adjustment] screen. The amount can be changed in four steps according to the paper thickness.

The lifting movement of the carriage [A] is driven by the carriage rising motor [B]. It rotates the shaft [C] in the carriage and the cam on the shaft lifts the carriage. The vertical position is controlled in four steps based on the detection of carriage rising sensor 1 [D] and carriage rising sensor 2 [E].



Carriage lift amount control

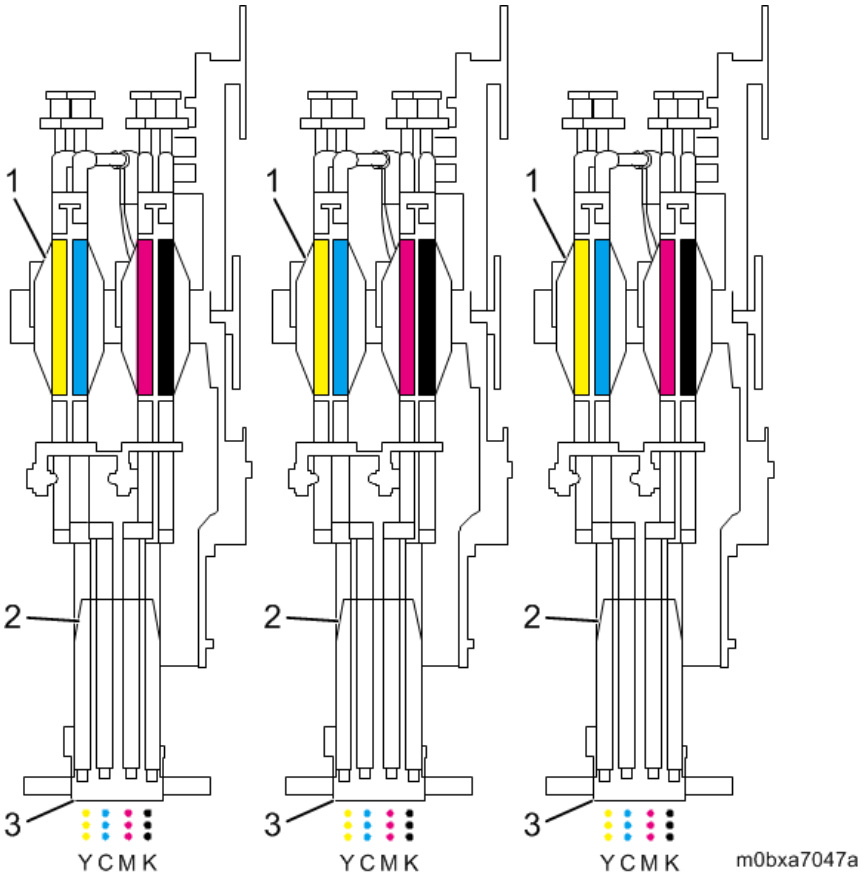
Carriage unit lift height	Carriage Rising Sensor 1 (top)	Carriage Rising Sensor 2 (bottom)
0 mm (default)	OFF	OFF
0.5 mm	OFF	ON
1.0 mm	OFF	OFF
2.0 mm	ON	OFF

Damper

This machine employs the dual tank mechanism. Dual tank mechanism requires supply paths between the ink cartridges and head tanks but has the advantage of lightweight carriage unit and high-capacity ink cartridges.

In the damper, there is a liquid room for each row of nozzles. Ink is supplied as required from the supply port at the top of the head tank and then supplied to the print head with constant pressure.

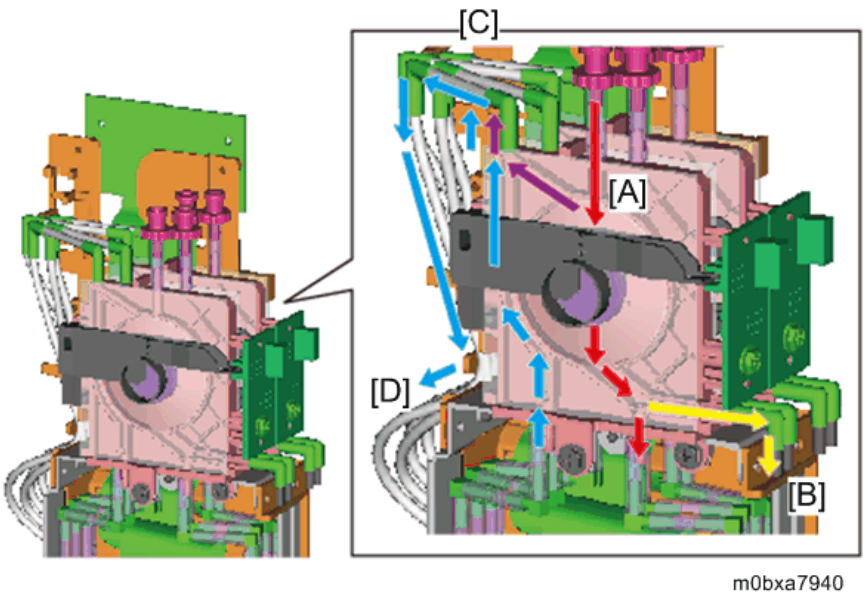
Example: 4C machine



No.	Name	Q'ty
1	Damper	12
2	Print Head Unit	3
3	Print Head	12

Ink Supply Path (between Damper and Print Head)

Ink that has been supplied to the damper via the supply port [A] is transported to the head through the path indicated by the red arrows. When white ink is circulated, it is transported to the circulation path through the path indicated by the yellow arrows.
Air inside the damper is exhausted from the exhaust port [C] through the path indicated by the blue arrows. Air that has gotten inside the damper - print head path is exhausted together with the ink through the path indicated by purple arrows.
Air purge is done when the air purge port [D] is manually opened and the ink supply pump is driven. Air is transported through the exhaust port [C] and is purged through the air purge port [D] together with the ink.

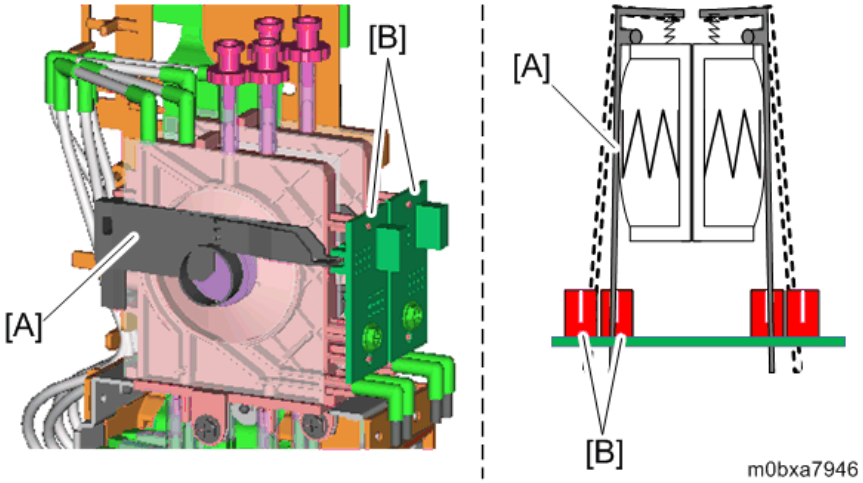


* The arrows indicate the paths for ink and air.

Arrow	Path	Arrow	Path
→	Ink supply path	→	Air purge path (air inside damper)
→	White ink circulation path	→	Air purge path (air inside damper)

OCFS (On Carriage Feeler Sensor)

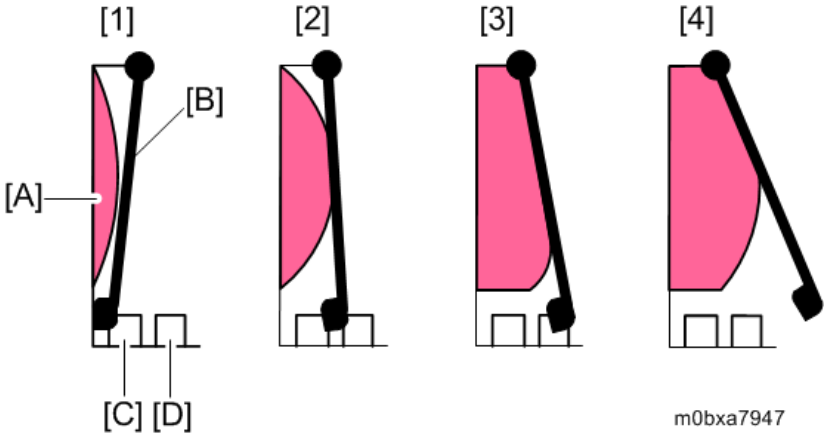
Ink is constantly supplied under the ink supply system of this machine. Because of this, the dampers are equipped with the on carriage feeler sensors (OCFSs) [B] that detect the ink full detection feeler. The feeler [A] moves as the ink in the damper increases or decreases and the amount of ink is monitored by detecting the feeler position with the two OCFSs [B]. This enables the machine to control the amount of ink in the damper through supply and consumption of ink even during printing. Keeping the amount of ink in the damper at an appropriate level enables fast continuous printing on wide paper.



Ink supply control

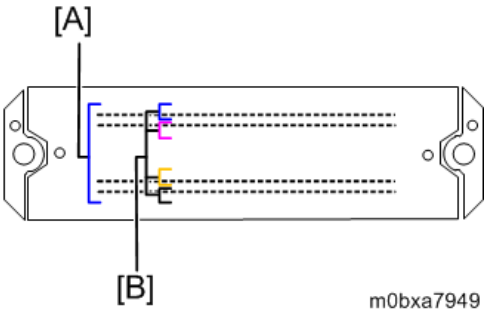
The condition of ink [A] inside the damper is monitored by the two OCFSs [C] [D] which detect the position of the ink full detection feeler [B]. The machine controls ink supply in four steps as follows.

Ink condition	OCFS		Damper condition	Ink supply control
	Inner [C]	Outer [D]		
[1] Low	ON	OFF	Ink supply is required.	Ink is supplied.
[2] Mode	ON	ON	Ink supply is required.	Ink is supplied.
[3] Full	OFF	ON	Normal	Ink supply is stopped after a predetermined time.
[4] Limit	OFF	OFF	Overflow	Ink supply is stopped immediately.



Print Head

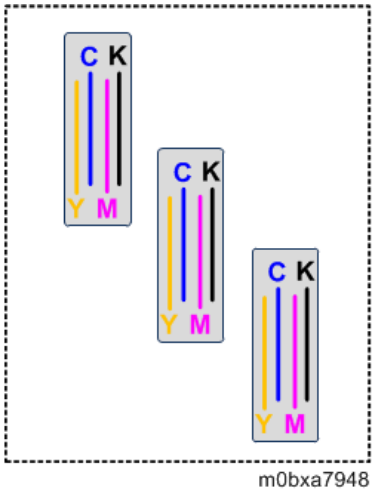
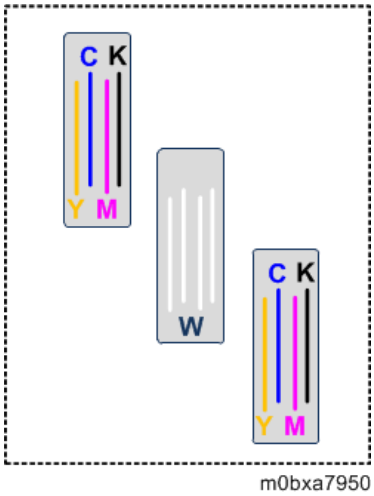
The print head of this machine has 1,280 nozzles. The nozzles form four 150 dpi lines which enables fine printing at 600 dpi with one print head. Also, 4 colors can be ejected from one print head because the ink paths are separated.



- [A]: When printing in one color: 150 dpi x 4 lines per color → 600dpi
- [B]: When printing in four colors: 150 dpi x one line per color → 150dpi

Ink Configuration and Print Head Arrangement

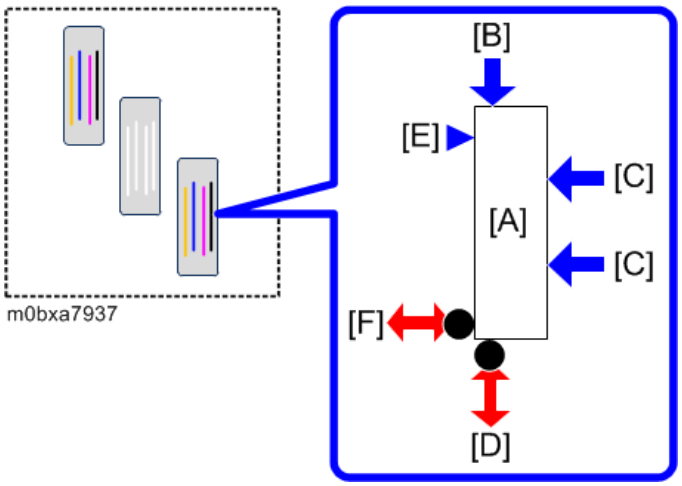
Cyan (C)), Magenta (M), Yellow (Y), Black (K) and White (W) inks can be used in this machine. This machine uses three print heads. Each print head has four lines of nozzles. The ink of each color is supplied to the print heads in the following configuration.

4C machine	4C+W machine
	

Additionally, print heads are equipped with the sensors detecting the temperature. (SP5-803-032 to SP5-803-034, Head temperature from H1 to H3)

Print Head Slant Adjustment

- Front/rear position adjustment
  To each print head [A], forces from flat springs are applied in the [B] and [C] directions. The front/rear position can be adjusted by changing the angle of the eccentric cam [D].
- Slant adjustment
  To each print head [A], forces from flat springs are applied in the [B] and [C] directions. A slanted print head can be adjusted by changing the angle of the eccentric cam [F], which causes the print head to rotate with [E] as the pivot.



HDC

LED Status

Address	Color	LED Status
LED1	Red	Lit: Emergency stop has occurred. Unlit: Emergency stop has not occurred.
LED2	Yellow	Lit: Internal warning has occurred. Unlit: Internal warning has not occurred.
LED9	Green	Lit: IC17 PLL lock complete Unlit: IC17 PLL lock incomplete
LED10	Orange	Lit: +5V ON Unlit: OFF
LED11	Orange	Lit: +3.3V ON Unlit: OFF
LED12	Orange	Lit: OFF Unlit: +24VS ON
LED13	Orange	Lit: OFF Unlit: +24VH ON
LED14	Orange	Lit: OFF Unlit: +35V ON
LED15	Green	Lit: IC17, 21 Configuration incomplete Unlit: IC17, 21 Configuration complete
LED16	Green	Lit: IC17 CLK Input OK Unlit: IC17 CLK Input NG
LED17	Orange	Lit: +35V_VCOM ON Unlit: OFF
LED18	Orange	Lit: +35VH ON Unlit: OFF

Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU1	0.3A	CN106-111	Print Head malfunction, Ground fault of ribbon cable	SC display
FU2	0.5A	PCB (REG5)	PCB malfunction	SC display
FU3	0.75A	Carriage cooling fan 1, 3	PCB malfunction, Fan malfunction, Ground fault of a cable	SC display
FU4	0.75A	Carriage cooling fan 2	PCB malfunction, Fan malfunction, Ground fault of a cable	SC display
FU5	4A	PCB 5V	PCB malfunction, Carriage hardware malfunction, Ground fault of a cable	SC display
FU6	0.5A	PCB (IC12)	PCB malfunction	SC display
FU7	0.75A	CN110	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU8	0.75A	CN108	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU9	0.75A	CN106	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU10	0.75A	CN116	PCB malfunction, Supply solenoid 1/2 malfunction, Ground fault of a cable	SC display
FU11	0.75A	CN116	PCB malfunction, Supply solenoid 3/4 malfunction, Ground fault of a cable	SC display
FU12	0.5A	CN112, CN106-111	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU13	7A	CN111	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU14	7A	CN111	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU15	7A	CN110	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU16	7A	CN110	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU17	7A	CN109	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU18	7A	CN109	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU19	0.5A	PCB (REG10)	PCB malfunction	SC display
FU20	0.5A	PCB (REG7)	PCB malfunction	SC display
FU21	0.65A	PCB (IC19)	PCB malfunction	SC display
FU22	0.5A	PCB (REG1)	PCB malfunction	SC display
FU23	0.5A	PCB (REG18)	PCB malfunction	SC display
FU24	7A	CN106	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU25	7A	CN106	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU26	7A	CN107	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU27	7A	CN107	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU28	7A	CN108	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU29	7A	CN108	PCB malfunction, Print Head malfunction, Ground fault of ribbon cable	SC display
FU30	0.5A	PCB (IC102)	PCB malfunction	SC display
FU31	0.65A	CN118	CMOS image sensor malfunction, Ground fault of a cable	SC display
FU32	0.65A	CN112,113,120,121	Carriage rising sensor/Carriage jam sensor/Carriage LED/Paper edge sensor/Main scan encoder sensor malfunction, Ground fault of a cable	SC display
FU33	0.65A	CN117	Supply sensor (DFSB) malfunction 1 to 3, Ground fault of a cable	SC display
FU34	0.65A	CN117	Supply sensor (DFSB) malfunction 4 to 6,	SC

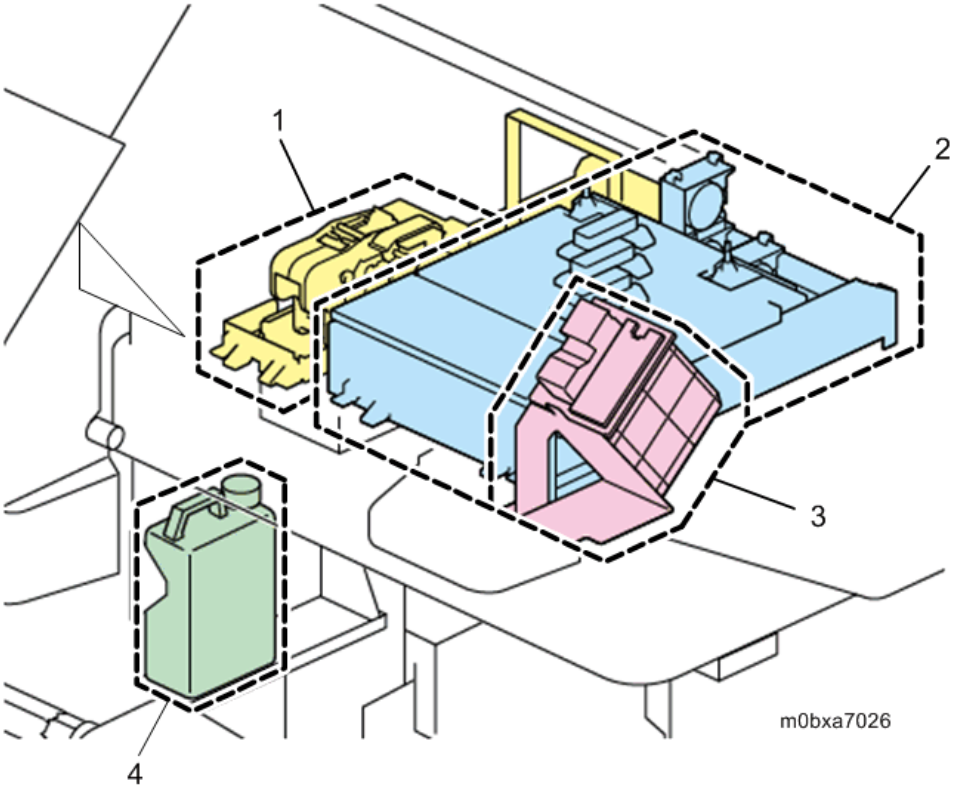
Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
			Ground fault of a cable	display

Maintenance Unit

Overview

The functions of the maintenance unit includes prevention of print head clogging and dripping of ink and maintaining the humidity of the print head surface.
It also performs maintenance of the print head surface through operations such as cleaning, and also collects waste ink through suction operation.
The maintenance unit is on the right side of the machine and consists of the following units.

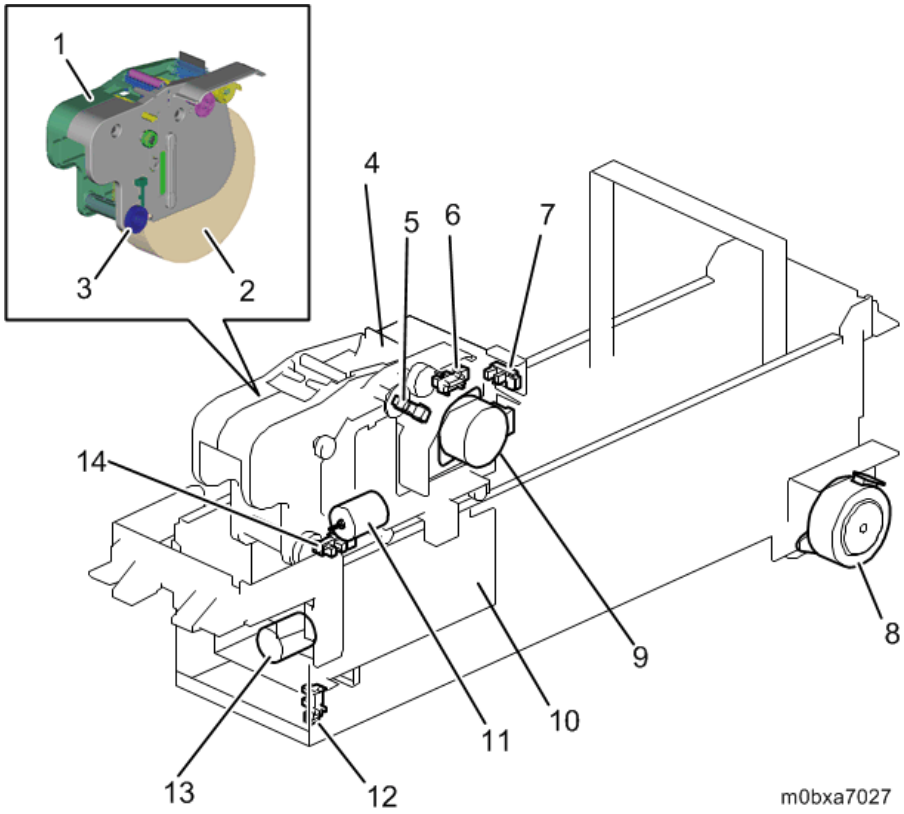
No.	Name
1	Wiping Unit
2	Capping Unit
3	Flushing Cartridge
4	Waste Ink Bottle



Wiping Unit

Component Layout

The wiping unit is equipped with the cleaning cartridge. The cleaning cartridge consists of the wiper blade and the web and cleans the head surface during head cleaning.
The wiper blade rubs the head surface to remove ink and paper dust. When head cleaning is over, the web cleans the objects on the wiper blade. The flushing cartridge drips cleaning liquid on the web. The web wipes the nozzles before wiping.



No.	Name	No.	Name
1	Cleaning Cartridge	8	Maintenance Unit Web Shift Motor
2	Web	9	Maintenance Unit Wiper Motor
3	Web Roll-up Roller	10	Wiping Unit
4	Wiper Blade	11	Maintenance Unit Web Adjust Motor
5	Maintenance Unit Web Encoder Sensor	12	Web Front/Rear HP Sensor
6	Blade Wiper HP Sensor	13	Maintenance Unit Web Supply Motor
7	Web Up/Down HP Sensor	14	Maintenance Unit Web Adjust Sensor 2

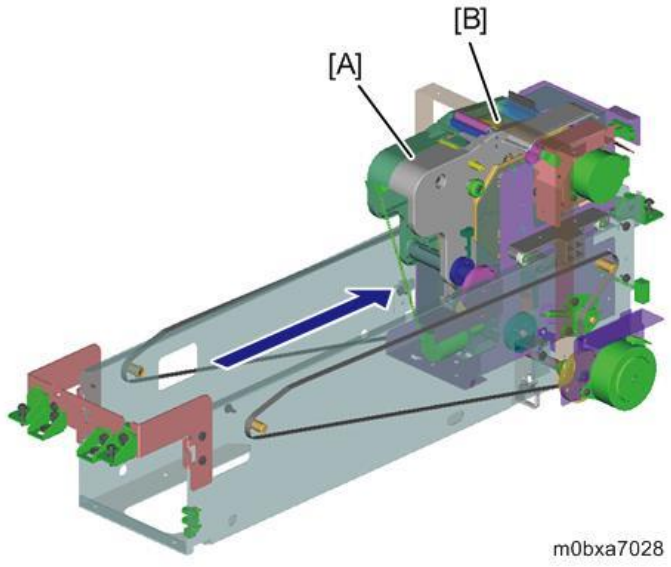
Print Head Cleaning

Driven by the maintenance unit web shift motor, the wiping unit moves in the sub scan direction. The web and the wiper blade scratches off objects on the surface of the head. The cleaning operation proceeds as follows:

- 1. Dripping the cleaning liquid

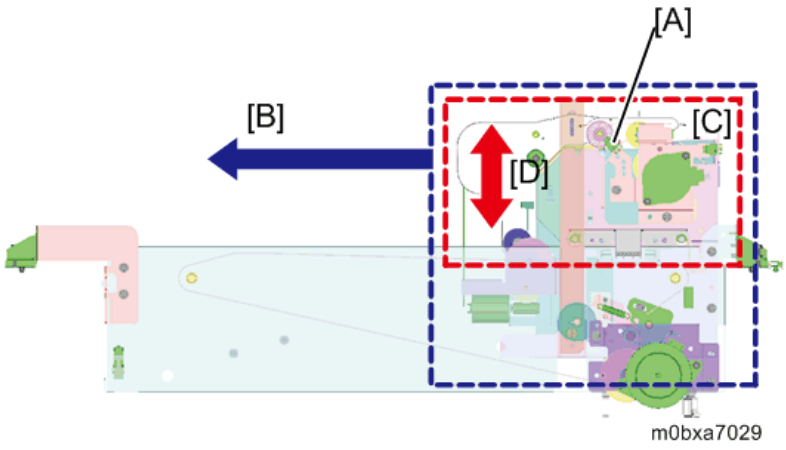
1. The wiping unit [A] moves to the position where cleaning liquid can be dripped (the back position).

2. Cleaning liquid is dripped onto the web [B].



- 2. Wiping

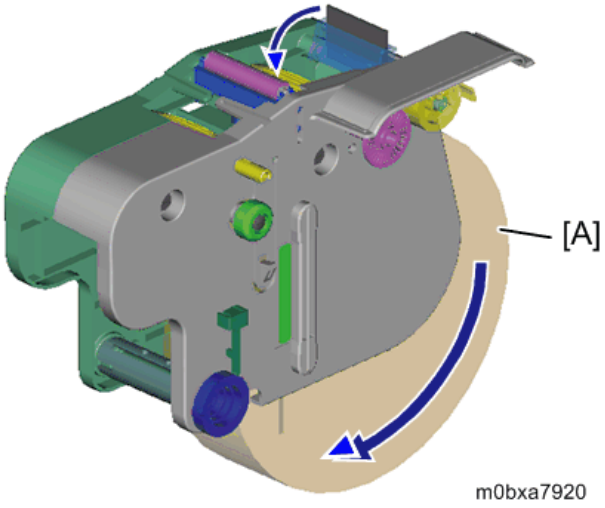
1. The wiping unit [A] moves ([B]) to the wiping start position.
2. The carriage unit moves in the main scan direction to the wiping position.
3. The nozzle cleaning cartridge [C] moves up ([D]) to the wiping height.
4. The wiping unit moves ([B]) in the sub scan direction (from back to front) and starts wiping.
   Just before wiping starts, the web onto which the cleaning liquid was dripped absorbs and collects ink on the head nozzle surface.
5. The nozzle cleaning cartridge [C] moves down ([D]).
6. The wiping unit moves ([B]) to the home position (the front position).



- 3. Web Wiping

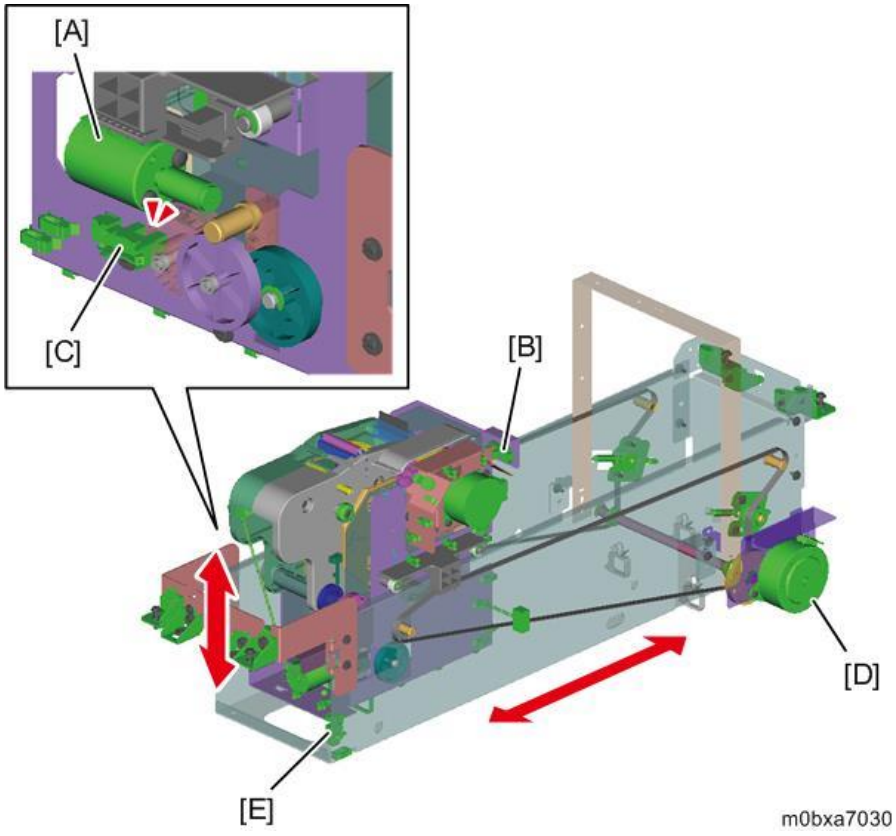
1. The web [A] rubs the nozzle surface of the print head.

2. The web [A] is rolled up a predetermined amount.



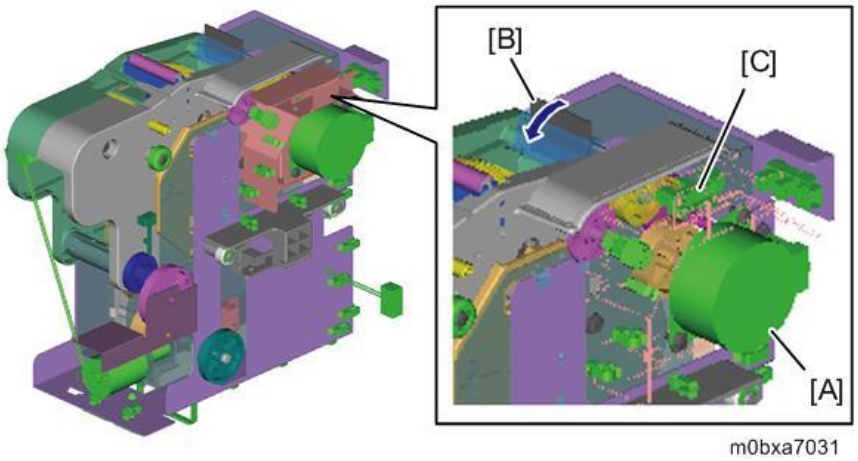
Web Cartridge Lift/Wiping Unit Shift Mechanism

- Web Cartridge Lift Mechanism
  During wiping, the maintenance unit web adjust motor [A] moves up/down the web cartridge. Home position is detected by the web up/down HP sensor [B]. The maintenance unit web adjust sensor 2 [C] monitors the encoder to control the up/down movement.
- Wiping Unit Shift Mechanism
  During wiping, the maintenance unit web shift motor [D] shifts the wiping unit forward/backward via the timing belt. Home position is detected by the web front/rear HP sensor [E].



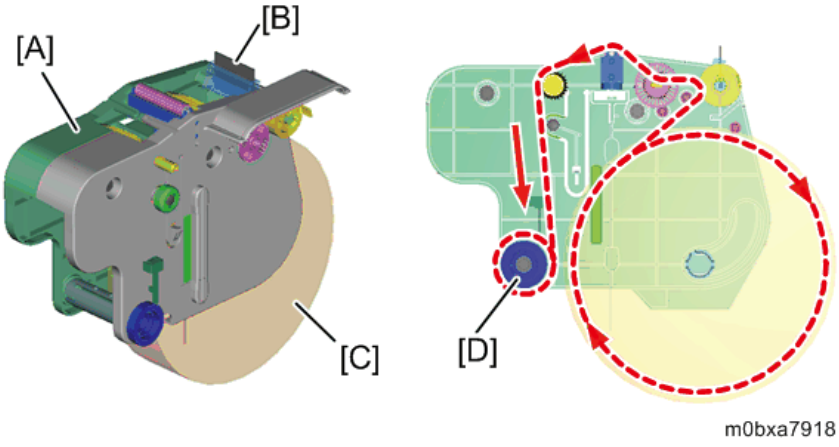
Blade Cleaning

The maintenance unit wiper motor [A] performs blade cleaning by rotating the wiper blade [B] until it comes into contact with the web. The home position of the wiper blade is detected by the blade wiper HP sensor [C].



Cleaning Cartridge

The cleaning cartridge [A] has the wiper blade [B] and the web [C]. After web wiping, the maintenance unit web supply motor drives the web roll-up roller [D] to roll up used web. This renews the contact surface of the web.



An ID chip is attached on the side of the cleaning cartridge. The ID chip stores information including new/used detection, lot number and amount of remaining web.
Set detection of the cleaning cartridge is done when the cleaning cartridge set sensor detects the ID chip.

Web Near End/Web End

Web consumption is counted by the Maintenance Unit Web Encoder Sensor.

- Web near end
  The machine displays web near end on the operation panel when the remaining web is below the threshold configured in SP2-254-001.

SP No.	Name	Default	Range
SP2-254-001	Web Near End Threshold: Residual Qty. Ratio	20%	0 - 80 %

- Web end

  When the remaining web is below the threshold configured in SP2-255-001 and web roll-up is stopped, the machine detects web end. After web end is detected, the machine stops printing. "Web end" is written in the ID chip of the web cartridge and the cartridge can no longer be used.

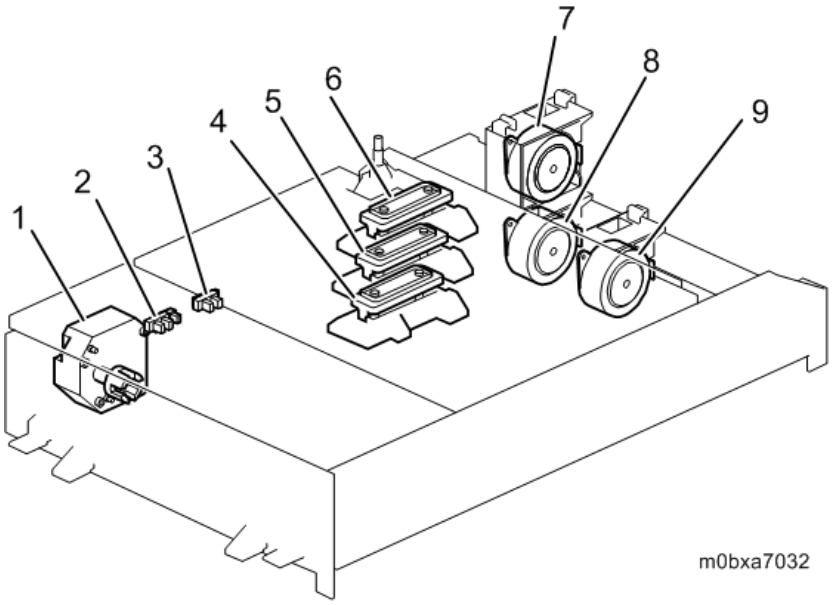
SP No.	Name	Default	Range
SP2-255-001	Web End Detection Threshold: Residual Qty. Ratio	2%	0 - 80 %

Capping Unit

Component Layout

The capping unit has the following functions.

- Caps the print head during idle time to prevent the head surface from drying.
- Helps the machine to resolve head clogging by keeping the print head capped during ink suction operation.

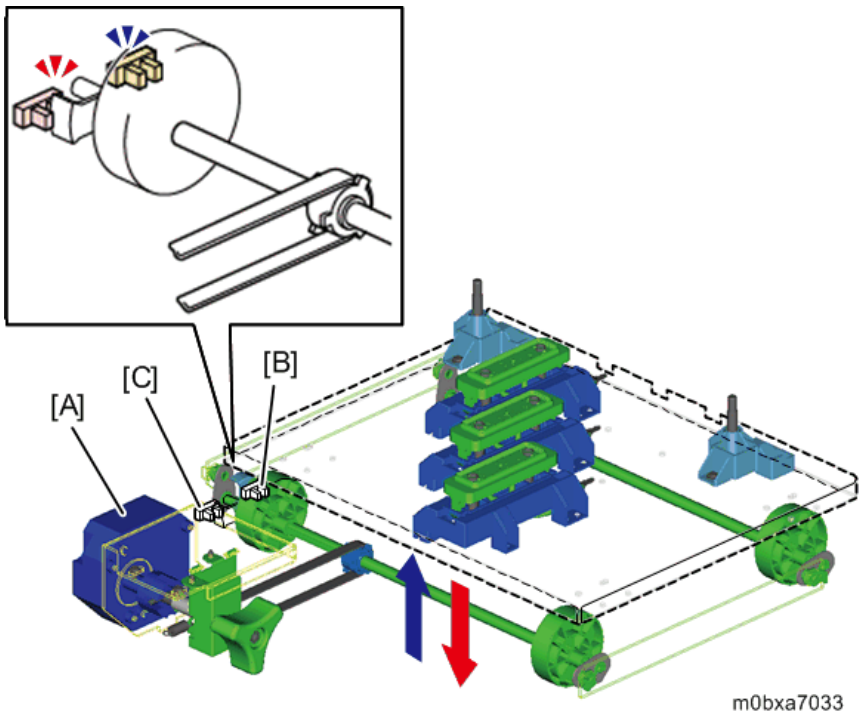


No.	Name	No.	Name
1	Maintenance Unit Lift Motor	6	Cap (Head 1)
2	Maintenance Suction Unit Decap Sensor	7	Maintenance Unit Ink Collection Motor 2
3	Maintenance Suction Unit HP Sensor	8	Maintenance Unit Ink Collection Motor 1
4	Cap (Head 3)	9	Maintenance Unit Ink Collection Motor 3
5	Cap (Head 2)		

Capping Unit Lift Mechanism

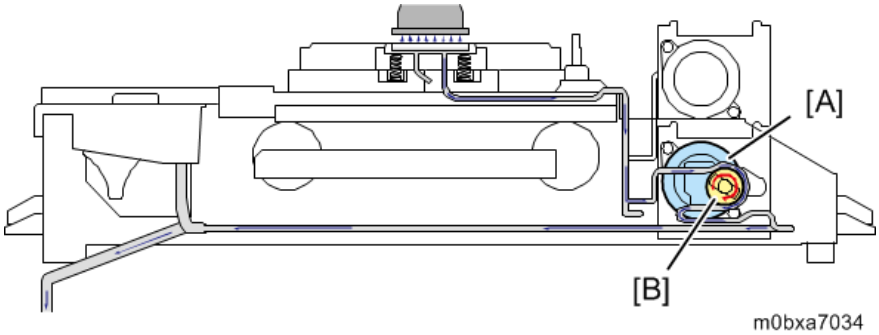
The capping unit keeps the humidity of the print head by capping/decapping the print head through moving down when printing starts and moving up during idle time.

The maintenance unit lift motor [A] moves up/down the capping unit. The maintenance unit lift motor [A] rotates the shaft at the bottom of the capping unit and the cam on the shaft lifts the unit. The maintenance suction unit HP sensor [B] detects capping state and the maintenance suction unit decap sensor detects decapping state.



Ink Suction Mechanism

Through suction with the head capped, the machine resolves print head clogging and generates negative pressure which prevents ink dripping.
When the cap moves up and caps the head, the maintenance unit ink collection motor [A] drives the pump unit [B] which sucks the ink. The waste ink is collected in the waste ink bottle through the tube.

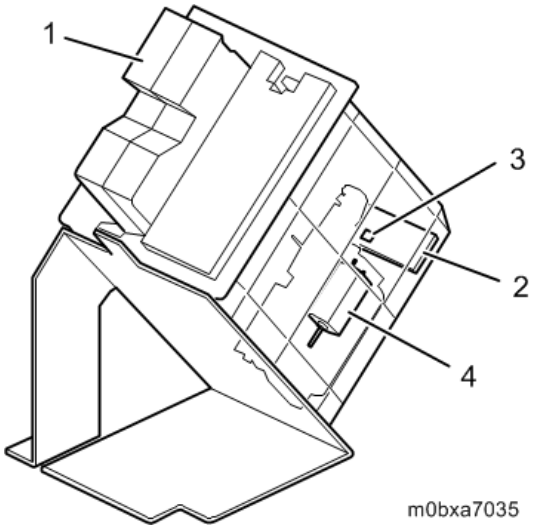


Flushing Cartridge

Component Layout

The flushing cartridge supplies cleaning liquid to the web during web wiping.

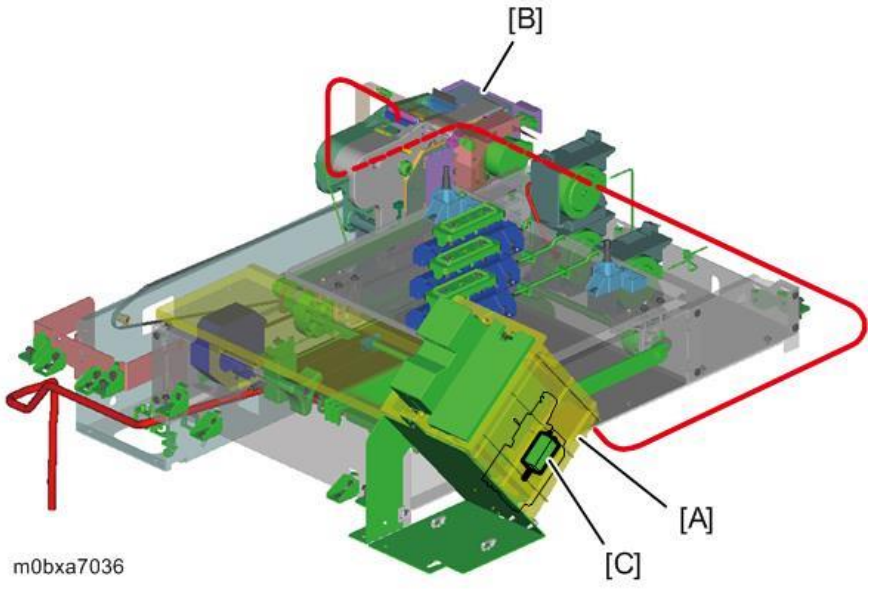
6.Detailed Description



No.	Name	No.	Name
1	Flushing Cartridge	3	ID Chip
2	Cleaning Liquid Set Sensor	4	Maintenance Unit Cleaning Liquid Supply Motor

Cleaning Liquid Supply Mechanism

The supply of cleaning liquid from the flushing cartridge [A] to the web [B] is driven by the maintenance unit cleaning liquid supply motor [C].



An ID chip is attached to the bottom of the flushing cartridge. The ID chip stores information including new/used detection, lot number and amount of remaining cleaning liquid.
Set detection of the flushing cartridge is done when the cleaning liquid set sensor detects the ID chip.

Cleaning Liquid Near End/ Cleaning Liquid End

Cleaning liquid consumption is recorded by the software. The machines determines cleaning liquid near end/cleaning liquid end when the remaining amount is below the threshold.

- Cleaning liquid near end
  The machine displays cleaning liquid near end on the operation panel when the remaining cleaning liquid is below the threshold configured in SP2-256-010.

SP No.	Name	Default	Range
SP2-256-010	Ink Near End Threshold: Residual Qty. Ratio Cleaning Liquid	20%	0 - 80 %

- Cleaning liquid end
  When the remaining cleaning liquid is below the threshold configured in SP2-263-001, the machine detects cleaning liquid end. After cleaning liquid end is detected, the machine stops the current maintenance operation. "Cleaning liquid end" is written in the ID chip of the flushing cartridge and the cartridge can no longer be used.

SP No.	Name	Default	Range
SP2-263-001	Ink End Threshold: Residual Qty. Ratio Cleaning liquid	5%	0 - 80 %

Waste Ink Bottle

The unwanted ink sucked by the suction cap and the ink ejected during air purge are collected in the waste ink bottle. The amount of waste ink in the waste ink bottle is calculated by the software.

- Waste ink bottle near full
  The machine displays a warning on the operation panel when the amount of waste ink in the waste ink bottle exceeds the threshold configured in SP2-507-002 (the ratio [%] of ink amount to the waste bottle full threshold).

SP No.	Name	Default	Range
SP2-507-002	Waste Ink Related Threshold: Change Waste Ink Tank NearFull Threshold	80%	1 - 100 %

- Waste ink bottle full
  The machine displays a warning on the operation panel and stops operation when the amount of waste ink in the waste ink bottle exceeds the threshold configured in SP2-507-001 (the amount of ink [ml]).

SP No.	Name	Default	Range
SP2-507-001	Waste Ink Related Threshold: Change Waste Ink Tank Full Threshold	1600 ml	1 - 10080 ml

Cleaning Maintenance

There are four types of print head maintenance as follows.

- User Maintenance
- Automatic Cleaning during Printing
- Automatic Cleaning after Printing
- Automatic Cleaning during Standby

User Maintenance

Various maintenance procedures are performed by user operation.

- Nozzle Cleaning: Low
  Perform when lines are bent or missing in the test print.
- Nozzle Cleaning: High
  Perform when lines are missing or colors are mixing.
- Refreshing
  Ejects ink from the ink supply path of each print head individually. This is to be used when clogging cannot be resolved by head cleaning and nozzle maintenance.
- Air purge
  Purges air in the damper of each print head individually.
- Waste ink path maintenance
  Uses cleaning liquid to clean the waste ink path to prevent clogging.
- Nozzle maintenance
  Dips the print heads in the caps filled with cleaning liquid for a specified time to clean the nozzles. This is to be done when clogging cannot be resolved by head cleaning.
- Ink replacement
  Replaces the white ink with the replacement ink.
- Ink circulation
  Circulates white ink inside the machine to prevent sedimentation of white ink in the ink supply path.

Automatic Cleaning during Printing

During printing, the machine performs flushing, automatic cleaning, negative pressure diagnosis, and ink circulation periodically.

All maintenance procedures except ink circulation are done when the maintenance execution conditions are met and the carriage has completed return path print operation. Ink circulation is done when the maintenance execution conditions are met and the machine has completed printing a page.

Flushing during printing

When the carriage has completed return-path printing, ink is flushed inside the cap in each print head simultaneously

Automatic cleaning

The machine does the following kinds of cleaning during printing. The frequency can be changed in SP mode.

- Nozzle surface wiping
  Wiping is done every 540 seconds.

SP No.	Name	Default	Range
SP2-514-004	AutoCleaning Start Threshold: Nozzle Surface Cleaning	540 sec.	0 - 64800 sec.

- Cleaning

Head cleaning is done every 1080 seconds.

SP No.	Name	Default	Range
SP2-514-006	AutoCleaning Start Threshold: Cleaning	1080 sec.	0 - 64800 sec.

- Refreshing

  Ejects ink from the ink supply path every 7800 seconds.

SP No.	Name	Default	Range
SP2-514-007	AutoCleaning Start Threshold: Refreshing	7800 sec.	0 - 64800 sec.

Negative pressure diagnosis

When detecting the damper feeler, the machine checks for abnormal negative pressure. If the machine determines the negative pressure is abnormal, the machine attempts to correct it.

Ink circulation

Circulates white ink inside the machine to prevent sedimentation of white ink in the ink supply path. (For details, see Ink Supply Unit.)

Automatic Cleaning after Printing

After printing, the machine performs automatic cleaning and negative pressure diagnosis.

Automatic Cleaning during Standby

To prevent various problems including increased viscosity of ink in the nozzle caused by dehydration, the machine periodically performs flushing, head cleaning, ink ejection, and ink circulation during standby.

- Flushing during standby

  When the current time minus last flushing time exceeds the threshold, the machine performs flushing inside the cap to eject dried ink in the nozzle. The threshold level can be changed in SP mode (default: Level 1 [30 min.]).

  Threshold level

SP No.	Name	Default	Range
SP2-512-001	Mainten. duringStandby Freq.: Flushing duringStandby	1	1 - 10

  Threshold value of each level

SP No.	Name	Default	Range
SP2-513-001	Mainten. duringStandby Thresh.: Flushing duringStandby Lv1	30 min.	1 - 10080 min.
SP2-513-002	Mainten. afterLeftover Thresh.: Flushing duringStandby Lv2	20 min.	1 - 10080 min.
SP2-513-003	Mainten. afterLeftover Thresh.: Cleaning duringStandby Lv1	10 min.	1 - 10080 min.

- Head cleaning

  When the current time minus last cleaning time exceeds the threshold, the machine performs head cleaning. The threshold level can be changed in SP mode (default: Level 1 [360 min.]).

Threshold level

SP No.	Name	Default	Range
SP2-512-002	Mainten. duringStandby Freq.: Cleaning duringStandby	1	1 - 10
SP2-512-004 *1	Mainten. duringStandby Freq.: Cleaning (Wh) duringStandby	1	1 - 10

*1 Only when white ink is used.

Threshold value of each level

SP No.	Name	Default	Range
SP2-513-003	Mainten. afterLeftover Thresh.: Cleaning duringStandby Lv1	720 min.	1 - 10080 min.
SP2-513-005	Mainten. afterLeftover Thresh.: Cleaning duringStandby Lv2	360 min.	1 - 10080 min.
SP2-513-008	Mainten. afterLeftover Thresh.: Cleaning duringStandby Lv3	180 min.	1 - 10080 min.
SP2-513-012 *1	Mainten. afterLeftover Thresh.: Cleaning (Wh) duringStandby Lv1	240 min.	1 - 10080 min.
SP2-513-013 *1	Mainten. afterLeftover Thresh.: Cleaning (Wh) duringStandby Lv2	120 min.	1 - 10080 min.
SP2-513-014 *1	Mainten. afterLeftover Thresh.: Cleaning (Wh) duringStandby Lv3	60 min.	1 - 10080 min.

*1 Only when white ink is used.

- Ink ejection

  When the current time minus last cleaning time exceeds the threshold, the machine performs ink ejection. This ejects the viscosified ink in the supply path which appears when the machine has not printed for a long time. The threshold can be changed in SP mode (default: 7 days).

SP No.	Name	Default	Range
SP2-513-018	Mainten. duringStandby Thresh.: Ink Supply Seq. duringStandby	7 days	1 - 2047 days

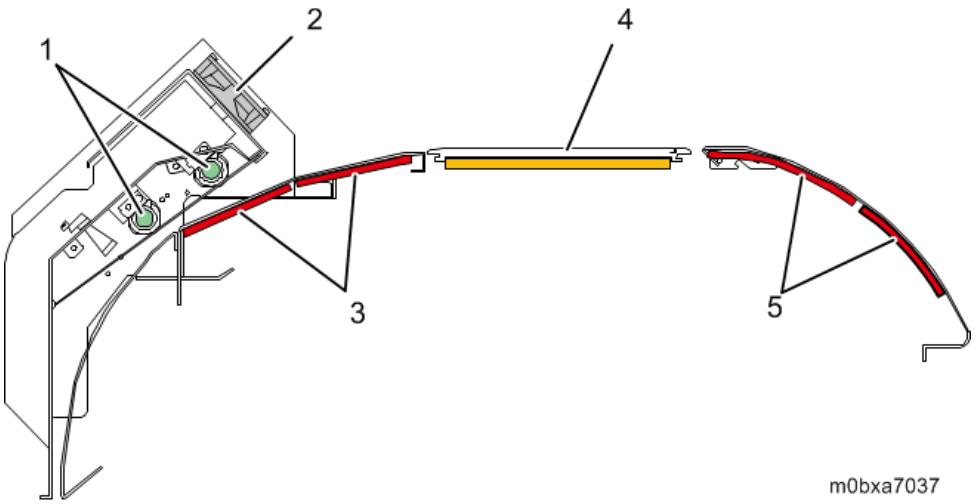
- Ink circulation

  Circulates white ink inside the machine to prevent sedimentation of white ink in the ink supply path. (For details, see Ink Supply Unit.)

Media Drying

Overview

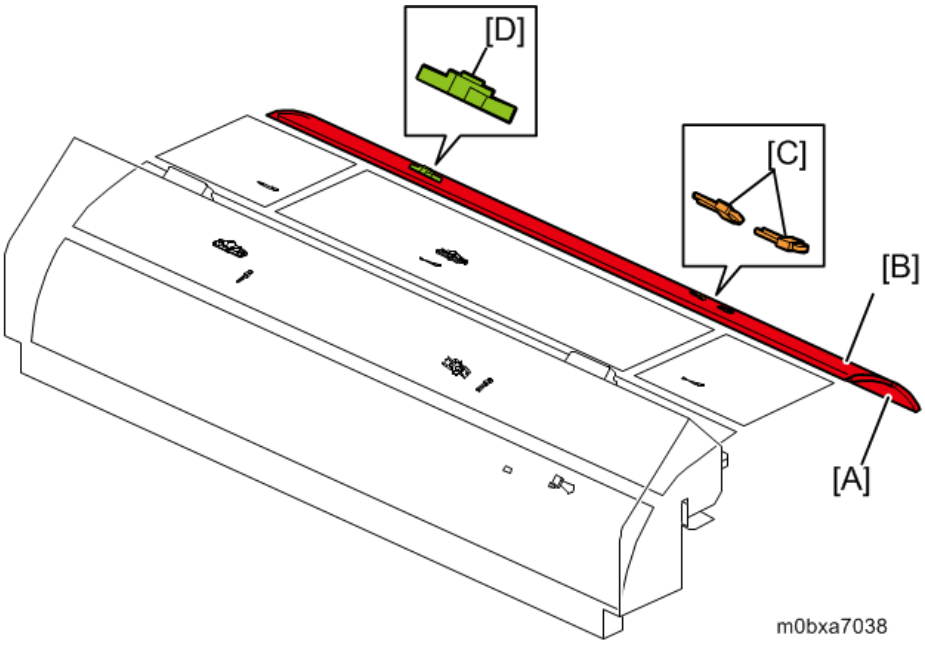
The media drying unit consists of pre-haeter, print heater, post heater, and cure heater.



No.	Name	No.	Name
1	Cure Heater	4	Print Heater
2	L5130: Dry Curing Fan 1 - 6 L5160: Dry Curing Fan 1 - 7	5	Pre-heater
3	Post Heater		

Pre-heater

The pre-heater is an aluminum foil heater which preheats the media before printing. Internally, it is divided into pre-heater (1) [A] and pre-heater (2) [B], whose temperatures are controlled independently. Each heater has the thermistor [C] which detects the temperature. The pre-heater also has a thermostat [D] as a safety equipment.



Target Temperature

The target temperature of each heater is controlled by the RIP or SP. The machine compares the temperature detected by the thermistor and the target temperature, and controls the temperature by turning the heater ON/OFF.

- Target temperature

Pre-heater (1)	Pre-heater (2)
A + B (°C)	A (°C)

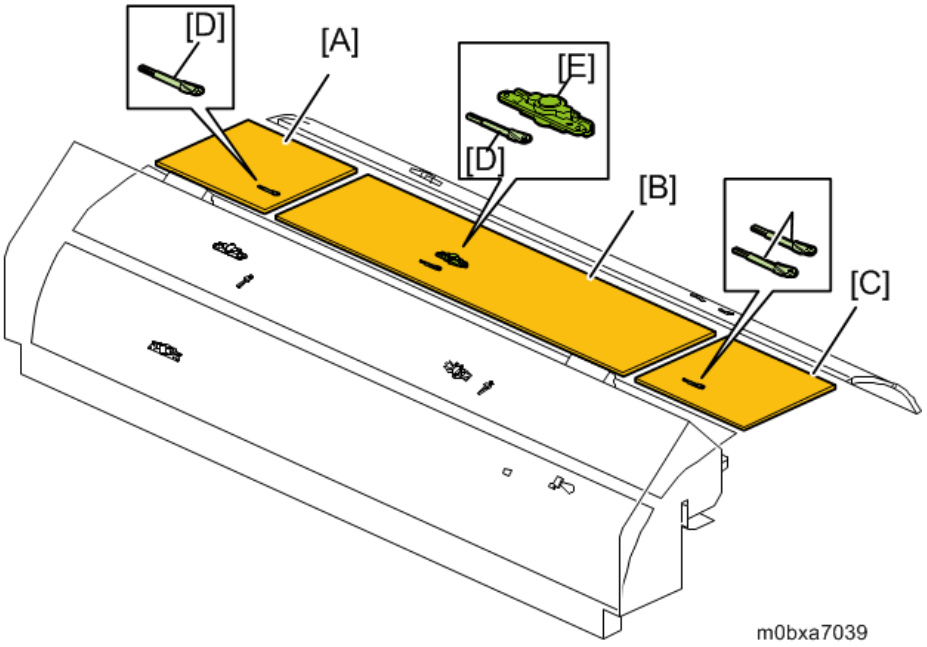
- SP setting

Temperature setting	SP Number	Name	Default	Range
A*1	SP1-100-002	Pre-Heater Temp. Setting: Pre-Heater 2 Temp. Setting	60 °C	20 - 70 °C
B	SP1-100-003	Pre-Heater Temp. Setting: Pre-Heater 1 Temp. Setting	-10 °C	-20 - 20 °C

*1 Temperature is kept at the temperature specified by the RIP which is given priority. It is kept at the temperature specified in SP mode when the RIP does not specify the temperature

Print Heater

The print heater is an aluminum foil heater which heats the media uniformly during printing in order to control the spreading of ink drop (dot gain). Internally, it is divided into the print heater end left [A], the print heater center [B], and the print heater end right [C] to prevent temperature unevenness which can be caused by the temperatures at the edges of the heater being lower. Each heater has the thermistor [D] which detects the temperature. The print heater also has a thermostat [E] as a safety equipment.



Target Temperature

The target temperature of each heater is controlled by the RIP or SP. The machine compares the temperature detected by the thermistor and the target temperature, and controls the temperature by turning the heater ON/OFF. The temperature of the print heater is controlled according to the media size as follows.

- Media size

Model	Media Size (Width)		
	Size 1	Size 2	Size 3
L5130	305 - 775 mm	1020 - 1110 mm	776 - 1019 mm
L5160	305 - 925 mm	1320 - 1410 mm	926 - 1319 mm

- Target temperature

Media Size	Temperature Setting		
	Print Heater End Left	Print Heater Center	Print Heater End Right
Size 1	A + B °C	A + Ta °C	A + C °C
Size 2	A + B °C	A °C	A + C + Tb °C
Size 3	A + B + Tc °C	A °C	C °C
Any Size other than Size 1 - 3	A + B °C	A °C	C °C

- SP settings

Temperature Setting	SP No.	Name	Default	Range
A*1	SP1-100-005	Print Heater Temp. Setting: Print Heater Temp. Setting	55 °C	20 - 70 °C

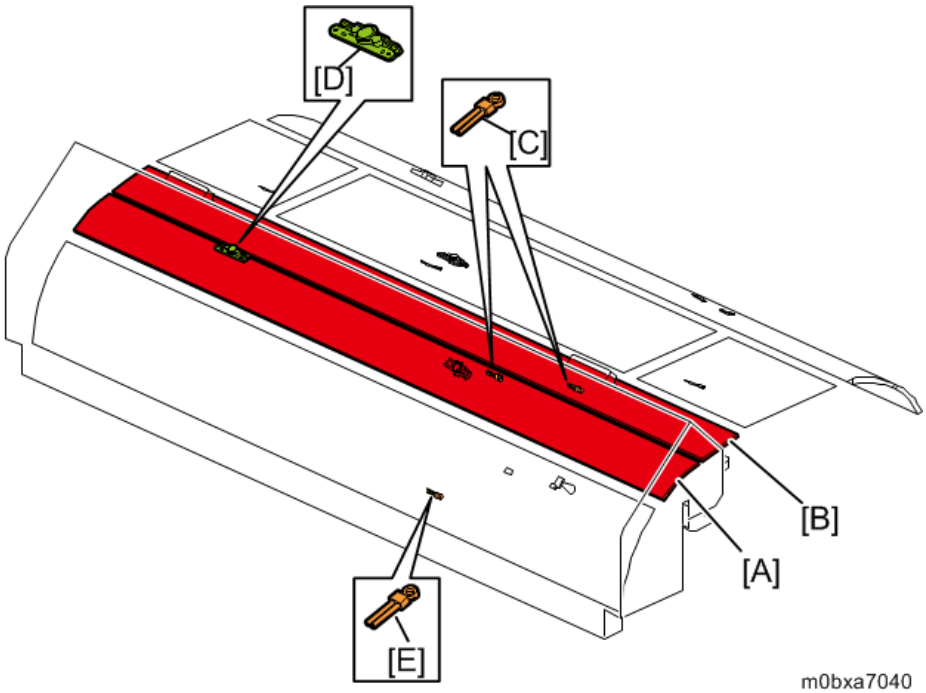
Temperature Setting	SP No.	Name	Default	Range
B	SP1-100-006	Print Heater Temp. Setting: Temp. Setting: End: Right	0 °C	-20 - 20 °C
C	SP1-100-007	Print Heater Temp. Setting: Temp. Setting: End: Left	0 °C	-20 - 20 °C
Ta	SP1-100-015	Print Heater: End Correction: End Correction Ta	0 °C	-10 - 10 °C
Tb	SP1-100-016	Print Heater: End Correction: End Correction Tb	0 °C	-10 - 10 °C
Tc	SP1-100-017	Print Heater: End Correction: End Correction Tc	0 °C	-10 - 10 °C

*1 Temperature is kept at the temperature specified by the RIP which is given priority. It is kept at the temperature specified in SP mode when the RIP does not specify the temperature.

Post Heater

This is an aluminum foil heater which heats the printed media from below in order to dry the ink. Internally, it is divided into post heater (1) [B] and post heater (2) [A], whose temperatures are controlled independently. Each heater has the thermistor [C] which detects the temperature. The post heater also has a thermostat [D] as a safety equipment. A thermistor [E] detects the temperature of the transport guide plate at the downstream side of the post heater and when the detected temperature reaches the value specified in SP1-108-002, turns OFF the heater. This prevents overheating of the area around the heater.

SP No.	Name	Default	Range
SP1-108-002	Prevent Cure Heater Overshoot: Post Heater Upper Limit Temperature	95 °C	80 - 105 °C



Target Temperature

The target temperature of each heater is controlled by the RIP or SP. The machine compares the temperature detected by the thermistor and the target temperature, and controls the temperature by turning the heater ON/OFF.

- Target temperature

Post Heater (1)	Post Heater (2)
A + B °C	A °C

- SP setting

Temperature Setting	SP No.	Name	Default	Range
A*1	SP1-100-009	Post-Heater Temp. Setting: Post-Heater Center Temp. Setting	70 °C	20 - 70 °C
B	SP1-100-010	Post-Heater Temp. Setting: Post-Heater Upper Temp. Setting	20 °C	-20 - 20 °C

*1 Temperature is kept at the temperature specified by the RIP which is given priority. It is kept at the temperature specified in SP mode when the RIP does not specify the temperature.

- Automatic temperature control

  When automatic temperature control (SP1-100-014) is ON, the temperature of the post heater (1) will be the average of the print heater (center) and the post heater (2). For example, when print heater (center) is 55 °C and post heater (2) is 70 °C, post heater (1) will be 63 °C.

  Turning automatic temperature control (SP1-100-014) ON prevents rapid change of temperature on the path between the print heater and the post heater. This prevents deformation of the media.

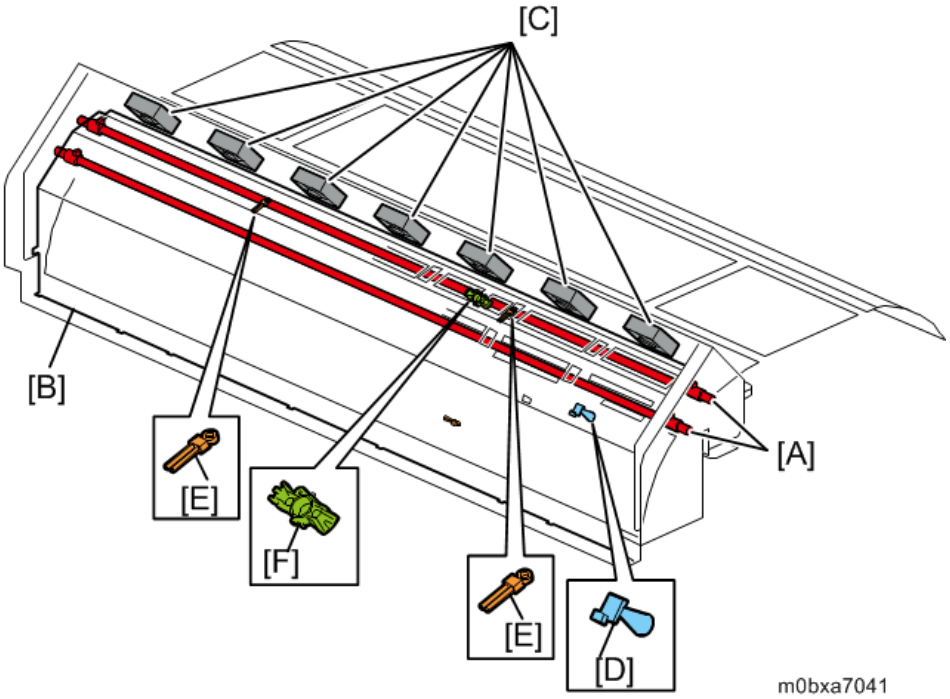
SP No.	Name	Default	Range
SP1-100-014	Post-Heater Temp. Setting: Post-Heater Upper Auto Setting	0	0: OFF 1: ON

Cure heater

The cure heater [A] consists of two infrared heaters which heat the surface of the media with infrared rays. The temperatures of both heaters are controlled uniformly. The reflector [B] reflects the infrared rays of the cure heater so that the media is heated by both the direct rays and reflected rays. The reflector also prevents the infrared rays from directly hitting the external covers. The dry curing fans [C] eject heat and vapor from the inside of the machine and cools the reflector.

- Thermopile [D]
  Detects the temperature of the surface of the media to control the heater temperature.
- Thermistor [E]/Thermostat [F]
  Detects the temperature of the reflector. When the temperature is 100 °C or higher, the thermostat breaks and physically turns off the power of the heater. This makes the possibility of fuming from the media as little as possible.

SP No.	Name	Default	Range
SP1-108-001	Cure Heater Upper Limit: Limit Temperature	67 °C	50 - 80 °C



Target Temperature

The target temperature of each heater is controlled by the RIP or SP. The machine compares the temperature detected by the thermopile and the target temperature, and controls the temperature by turning the heater ON/OFF.

- Target temperature

Post heater (2) + A °C

- SP setting

Temperature Setting	SP No.	Name	Default	Range
A*1	SP1-100-009	Cure Heater Temp. Setting: Cure Heater Temp. Setting	0 °C	25 °C

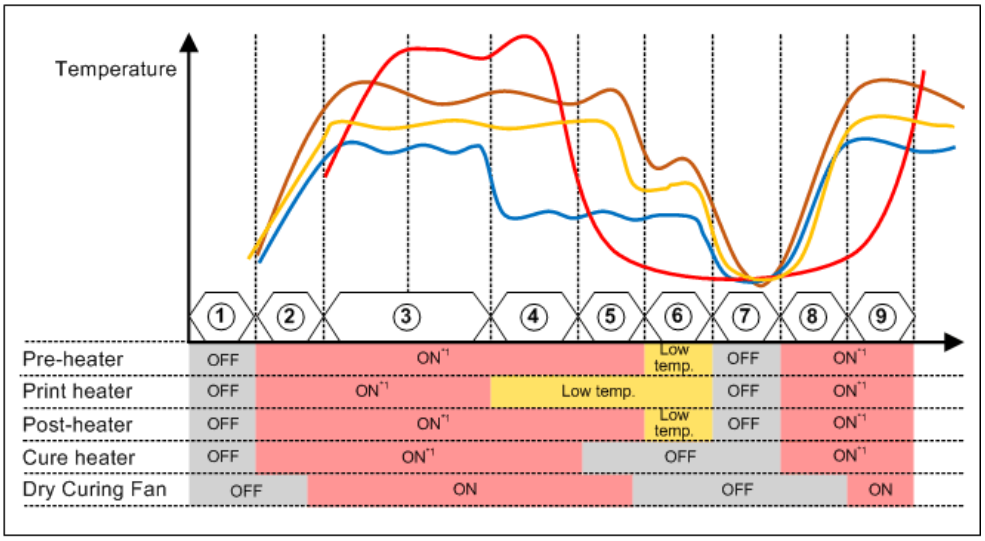
*1 Temperature is kept at the temperature specified by the RIP which is given priority. It is kept at the temperature specified in SP mode when the RIP does not specify the temperature.

Temperature Transition

Temperature Transition for the Heaters

The heaters and fans are turned ON/OFF in accordance with the state of the machine as follows. This controls the heater temperature.

Example: When the machine is started and there is a print job



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*1 When a device is ON, the machine controls it so that it reaches the target temperature.

*2 Each line shows the temperature transition of a heater.

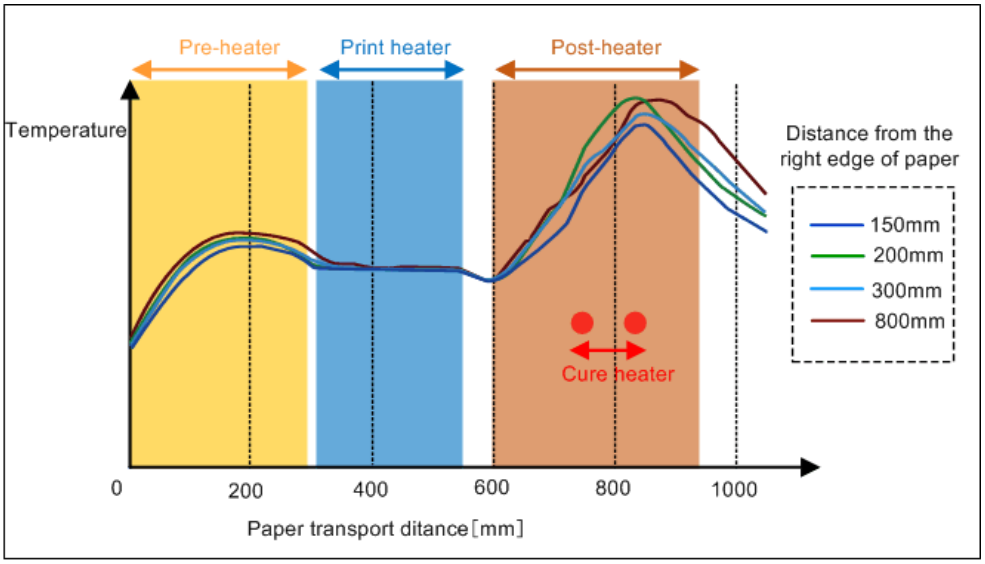
Line	Heater	Line	Heater
	Pre-heater		Post heater
	Print heater		Cure heater

*3 The numbers indicate the state of the machine as follow.

Number	State	Number	State
1	Power ON	6	Preheat/low power mode
2	Starting up	7	Off/sleep mode
3	Printing	8	Starting up
4	Drying after printing	9	Printing
5	Idle in Ready state		

Temperature Transition for the Media

Fed media is outputted after passing the pre-heater, print heater, post heater, and cure heater. The following chart shows the temperature transition of the media as it passes each heater.



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Low Temperature Mode

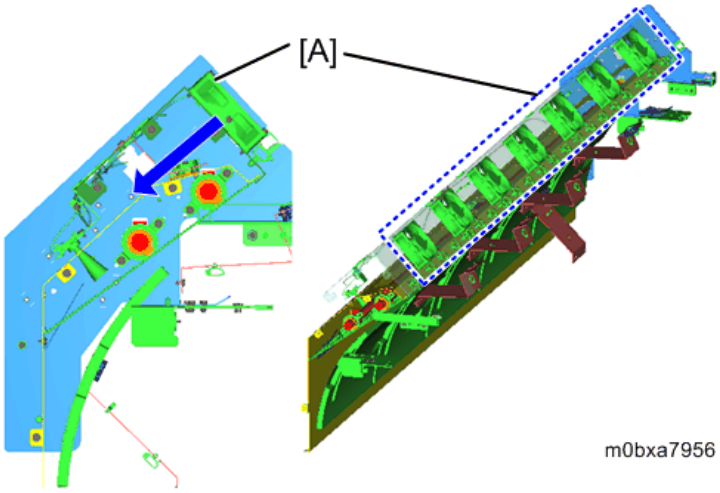
When Low Temperature Mode is ON, the heaters enter low temperature mode after the machine does not print for a specified time. In low temperature mode, the pre-heater, print heater and the post heater is kept on at a lower temperature than during printing, which shortens the time required for starting a print job.

Note

Low Temperature Mode can be specified in [Initial Setting] screen - [Time and Timer Settings] - [Cooling Mode]. Set the transition time (the time the machine waits after completing a print job before entering low temperature mode) and how many degrees the temperature is lowered from the target temperature. Specify a shorter time than the sleep mode timer because the heaters turn off when the machine enters sleep mode.

Ventilation

The dry curing fans [A] serve to let out heat and vapor from inside the machine and cool the reflector. The air taken in by the intake fan is put out by the dry curing fans [A].


[A]
m0bxa7956

Colorimetric Sensor

Overview

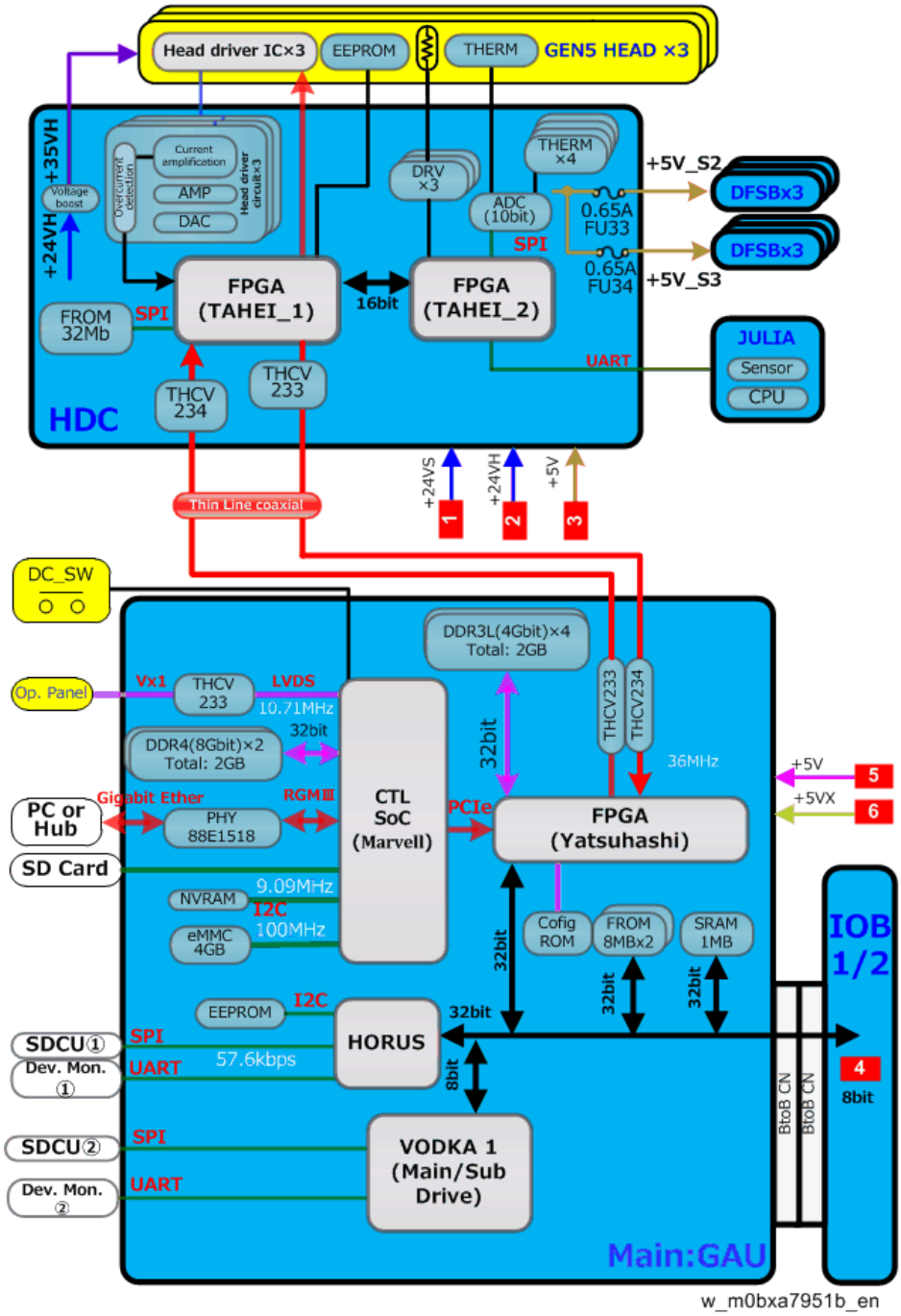
The colorimetric sensor is on the left side of the carriage unit and its main functions are as follows.

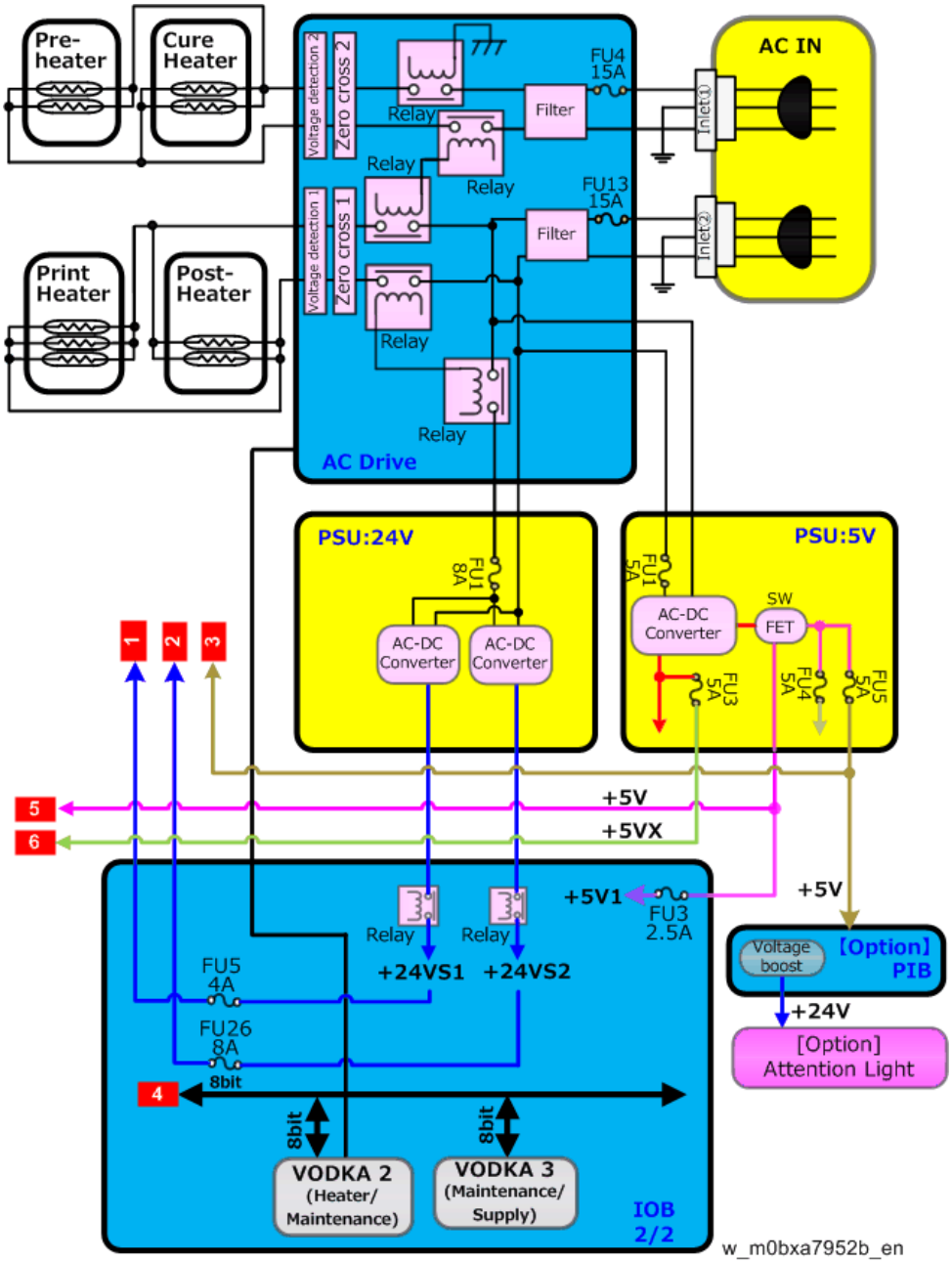
- Calibration
  The machine can print and scan the color measurement chart to perform color measurement. The results can be used for calibration and creating color profiles in the RIP.
- Non-ejection nozzle detection
  The machine can print and scan a nozzle check pattern to detect non-ejection nozzles. The detected non-ejection nozzles are registered in the machine so that the machine can print by substituting the non-ejection nozzle with a different nozzle. Detection/registration/substitution of non-ejection nozzles can be executed from [Maintenance] - [Clogged Nozzle Settings] - [Auto Nozzle Check] / [Registering Clogged Nozzle] / [Nozzle Recovery].
- Measurement of ink misalignment (sub scan direction)
  The machine can print and scan a pattern for media feed adjustment to measure the amount of ink misalignment in the sub scan direction. The machine automatically adjusts media feed amount based on the result. Measurement and automatic adjustment of ink misalignment (sub scan direction) can be executed from [Print Adjustment] - [Media Feed Adjustment].
- Measurement of ink misalignment (main scan direction)
  The machine can print and scan a pattern for print head gap adjustment to measure the amount of ink misalignment in the sub scan direction. The machine automatically adjusts the positions of ink drops based on the result. Measurement and automatic adjustment of ink misalignment (main scan direction) can be executed from [Print Adjustment] - [Drop Position Adjustment].
- Print Head Alignment/Media Feed Correction
  Adjust print head alignment/media feed correction to reduce image quality defects such as black lines and white lines as well as variation in concentration.
  Print head alignment can be adjusted from [Print Adjustment] - [Selected Setting for Head Alignment] - [Print Head Alignment].
  Media feed correction can be adjusted from [Print Adjustment] - [Selected Setting for Head Alignment] - [Media Feed Correction].

Electrical Components

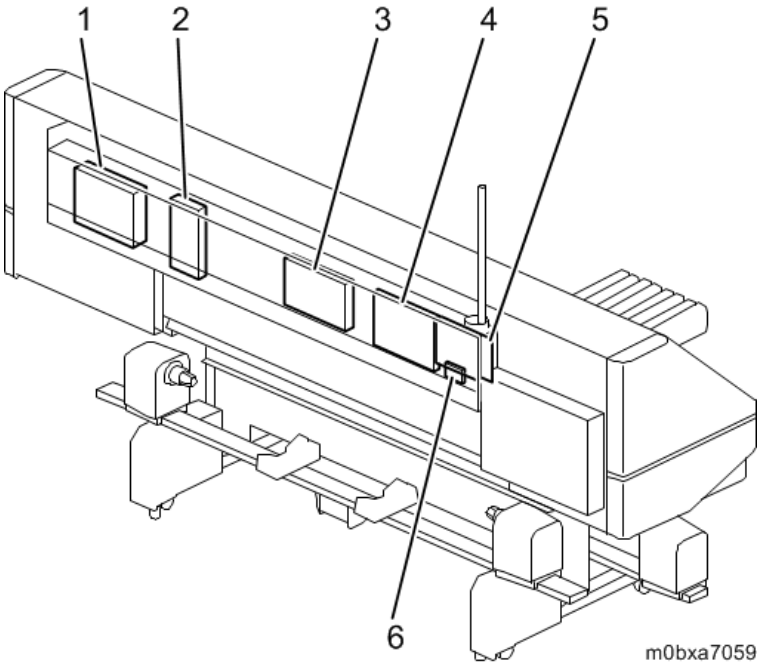
Overview

Block Diagram




Pre-heater
Cure Heater
Print Heater
Post-Heater
Voltage detection 2
Zero cross 2
Voltage detection 1
Zero cross 1
Relay
Filter
FU4 15A
FU13 15A
AC IN
Inlet①
Inlet②
AC Drive
PSU:24V
PSU:5V
FU1 8A
FU1 5A
AC-DC Converter
SW
FET
FU3 5A
FU4 5A
FU5 5A
1
2
3
5
6
+5V
+5VX
+5V1
FU3 2.5A
+24VS1
+24VS2
FU5 4A
FU26 8A
8bit
4
VODKA 2 (Heater/ Maintenance)
VODKA 3 (Maintenance/ Supply)
IOB 2/2
Voltage boost
[Option] PIB
+24V
[Option] Attention Light
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Parts Layout



No.	Name	No.	Name
1	ACD (AC Drive)	4	IOB (Input/Output Board)
2	PSU 5V (Power Supply Unit)	5	GAU (Main Controller Board)
3	PSU 24V (Power Supply Unit)	6	PIB (Attention Light Control Board)*1

*1 Option

GAU (Main Controller Board)

This PCB works as the controller of the machine's printer functions and engine.

LED status

Address	Color	LED status
LED1	Yellow green	Flashing: Engine is functioning normally. Unlit/Lit: Other than the above
LED3	Red	Lit: +5 VX input Unlit: Other than the above
LED4	Red	Lit: +5 V input Unlit: Other than the above
LED5	Yellow green	Lit: +3.3 V input Unlit: Other than the above
LED6	Red	Lit: +5 VE input Unlit: Other than the above
LED7	Yellow green	Lit: Other than the described below.

Address	Color	LED status
		Unlit: CTL is functioning normally.

Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU1	0.5A	REG1 (+5V -> +3.3V)	PCB malfunction	SC display
FU2	0.5A	IC19:DCDC (+5V -> +1.2V)	PCB malfunction	SC display
FU3	1A	CN217 Connected to SDCU (Vodka)	PCB malfunction, Ground fault of a cable	-
FU4	1A	CN216 Connected to SDCU (HORUS)	PCB malfunction Ground fault of a cable	-
FU5	0.5A	IC25:DCDC (+5V -> +1.1V)	PCB malfunction	SC display
FU6	1.5A	CN216 Connected to SDCU (HORUS)	PCB malfunction Ground fault of a cable	-
FU7	0.5A	IC34:Power IC for DDR3	PCB malfunction	SC display
FU8	0.5A	IC46:DCDC (+5 VX -> +1.8VE)	PCB malfunction	Machine does not start normally, operation panel frozen
FU9	0.5A	IC43: Power IC for DDR4	PCB malfunction	Machine does not start normally, operation panel frozen
FU10	1.5A	CN214 Connected to the operation panel	PCB malfunction, Ground fault of a cable	Operation panel does not work
FU11	0.5A	IC48:DCDC (+5V -> 1.8V)	PCB malfunction	SC display
FU12	0.5A	IC49:Power switch IC (+5VX -> +5VE)	PCB malfunction	Machine does not start normally, operation panel frozen
FU13	0.5A	REG2 (+5V -> +2.5V)	PCB malfunction	SC display

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU14	0.65A	REG3 (+5VX -> +2.5VE)	PCB malfunction	Machine does not start normally, operation panel frozen
FU15	0.65A	IC58:DCDC (+5VX -> 1.05VE)	PCB malfunction	Machine does not start normally, operation panel frozen
FU16	1.5A	PCB (Reset circuit etc.)	PCB malfunction	SC display
FU17	1.5A	IC40 IC114:Reset IC Power controller IC	PCB malfunction	Machine does not start normally
FU18	0.5A	IC64:DCDC (+5VX -> 1.0VE)	PCB malfunction	Machine does not start normally, operation panel frozen
FU19	0.5A	REG4 (+5VX -> +3.3VE)	PCB malfunction	Machine does not start normally, operation panel frozen
FU20	0.75A	CN201 Connected to SD card	PCB malfunction	SD card is not recognized.
FU21	0.5A	CN218 Carriage Home Position Sensor Sub Scan Encoder Sensor	PCB malfunction, Ground fault of a cable, Sensor/switch malfunction	SC display, Cover open/close condition not recognized

IOB (Input/Output Board)

Controls the drivers of paper feed, roll-up, carriage unit lift, maintenance, ink supply.

LED status

Address	Color	LED status
LED1	Red	Lit: +5V ON Unlit: OFF
LED2	Yellow green	Lit: Vodka2 Started Unlit: Vodka2 Stopped
LED3	Yellow green	Lit: Vodka3 Started

Address	Color	LED status
		Unlit: Vodka3 Stopped
LED4	Yellow	Lit: +24V1 ON Unlit: OFF
LED5	Yellow	Lit: +24V2 ON Unlit: OFF
LED6	Orange	Lit: +24VS1 ON Unlit: OFF
LED7	Orange	Lit: +24VS2 ON Unlit: OFF
LED8	Yellow green	Lit: +37VS ON Unlit: OFF

Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU1	0.65A	Ink cartridge 1	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU2	0.65A	Flushing Cartridge	PCB malfunction, broken cable, ground fault	Flushing cartridge unset display
FU3	2.5A	+5V_PSU	PCB malfunction, broken cable, PSU malfunction	SC display
FU4	5A	Suction fan	PCB malfunction, broken cable, suction fan malfunction	SC display
FU5	4A	ACD (Power Relay)	PCB malfunction, broken cable, ACD malfunction	SC display
FU6	0.75A	3.3V_REG	PCB malfunction	SC display
FU7	0.75A	1.2V_DCDC	PCB malfunction	SC display
FU8	4A	Carriage Motor	PCB malfunction, broken cable, carriage motor malfunction	SC display
FU9	1.25A	ACD (Heater Trigger)	PCB malfunction, broken cable, ACD malfunction	SC display
FU10	0.65A	Cleaning cartridge	PCB malfunction, broken cable, ground fault	Cleaning cartridge unset display
FU11	0.75A	Supply solenoid 7, 8	PCB malfunction, broken cable, Supply solenoid malfunction	Cleaning cartridge unset display

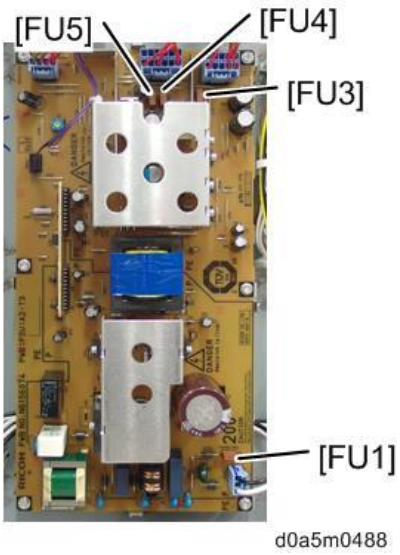
Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU12	0.75A	Paper holder solenoid (Not installed on this machine.)	-	-
FU13	4A	Supply motor 5 - 8	PCB malfunction, broken cable, Supply motor malfunction	SC display
FU14	4A	Maintenance Unit Ink Collection Motor 1	PCB malfunction, broken cable, maintenance unit ink collection motor malfunction	SC display
FU15	4A	Maintenance Unit Web Shift Motor	PCB malfunction, broken cable, maintenance unit web shift motor malfunction	SC display
FU16	4A	Maintenance Unit Ink Collection Motor 2	PCB malfunction, broken cable, maintenance unit ink collection motor malfunction	SC display
FU17	1.5A	Intake fan 1 - 4	PCB malfunction, broken cable, intake fan malfunction	SC display
FU18	1.5A	Controller box cooling fan 1, 2	PCB malfunction, broken cable, Controller box cooling fan malfunction	SC display
FU19	1.5A	Dry Curing Fan 1 - 4	PCB malfunction, broken cable, dry curing fan malfunction	SC display
FU20	-	Not installed on this machine	-	-
FU21	4A	Supply motor 9 - 12	PCB malfunction, broken cable, supply motor malfunction	SC display
FU22	4A	Maintenance Unit Ink Collection Motor 3	PCB malfunction, broken cable, maintenance unit ink collection motor malfunction	SC display
FU23	4A	Media Cutter Motor	PCB malfunction, broken cable, media cutter motor malfunction	SC display
FU24	12A	Carriage Drive Motor	PCB malfunction, broken cable, carriage drive motor malfunction	SC display
FU25	8A	Sub Scan Motor	PCB malfunction, broken cable, sub scan motor malfunction	SC display
FU26	8A	HDC	PCB malfunction, HDC malfunction	SC display

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU27	0.65A	Ink Cartridge 2	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU28	8A	Paper Feed Motor	PCB malfunction, broken cable, paper feed motor malfunction	SC display
FU29	8A	Paper Output Motor	PCB malfunction, broken cable, paper output motor malfunction	SC display
FU30	0.5A	3.3VAD_REG	PCB malfunction	SC display
FU31	0.65A	Ink Cartridge 3	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU32	0.65A	Ink Cartridge 4	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU33	0.65A	Ink Cartridge 5	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU34	0.65A	Ink Cartridge 6	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU35	0.65A	Ink Cartridge 7	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU36	0.65A	Ink Cartridge 8	PCB malfunction, broken cable, ground fault	Ink cartridge unset display
FU37	0.65A	Roll-up Encoder (Not installed on this machine)	-	-
FU38	0.65A	Paper Feed Encoder Sensor Roll-up Encoder Sensor	PCB malfunction, broken cable, paper feed encoder sensor malfunction, roll-up encoder sensor malfunction	SC display
FU39	0.65A	Paper Drying Unit Thermistors	PCB malfunction, broken cable, paper drying unit thermistor malfunction	SC display
FU40	0.65A	Maintenance Unit Sensors	PCB malfunction, broken cable, maintenance unit sensor malfunction	SC display
FU41	0.65A	Ink Supply Unit Sensors, Media Cutter Switch (Right) / (Left)	PCB malfunction, broken cable, ink end sensor malfunction, media cutter switch	SC display

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
			malfunction	
FU42	0.65A	Sub Scan Encoder Sensor	PCB malfunction, broken cable, sub scan encoder sensor malfunction	SC display
FU43	0.65A	Roll-up Switch	PCB malfunction, broken cable, roll-up switch malfunction	No SC display
FU44	0.65A	Temperature/Humidity Sensor	PCB malfunction, broken cable, temperature/humidity sensor malfunction	SC display
FU45	0.65A	Ink Cartridge Lock	PCB malfunction, broken cable, ink cartridge lock malfunction	Ink cartridge unset display
FU46	0.65A	Interlock SW	PCB malfunction, broken cable, Interlock SW malfunction	Cover open display
FU47	0.75A	Supply solenoid 1, 2	PCB malfunction, broken cable, supply solenoid malfunction	SC display
FU48	0.75A	Supply solenoid 3, 4	PCB malfunction, broken cable, supply solenoid malfunction	SC display
FU49	0.75A	Supply solenoid 5, 6	PCB malfunction, broken cable, supply solenoid malfunction	SC display
FU50	0.65A	Pre-heater Cover Open Switch	PCB malfunction, broken cable, pre-heater cover open switch malfunction	Pre-heater cover open display

PSU 5V (Power Supply Unit)

Supplies DC power to each PCB.

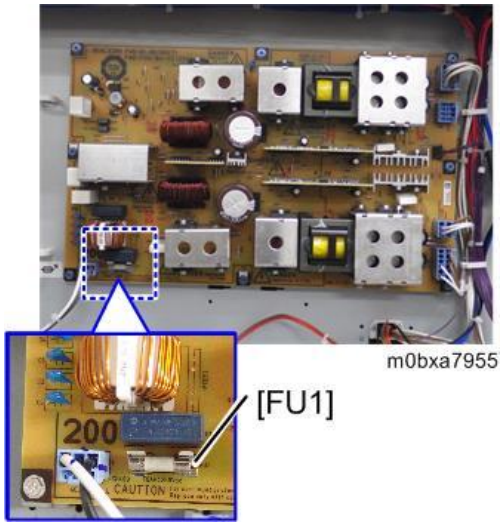


Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU1	5A	CN420-1 (input) Inside PCB	PCB error	The machine does not start up.
FU3	5A	CN421-3, 4, 5 GAU	Short-circuit between GAU	The machine does not start up.
FU4	5A	CN423-4, 5, 6 HDC/PIB	Short-circuit between HDC, PIB	Varies depending on the state the machine was in when the fuse was blown.
FU5	5A	CN423-1, 2, 3 (N.C.)	-	-

PSU 24V (Power Supply Unit)

Supplies DC power to each PCB.

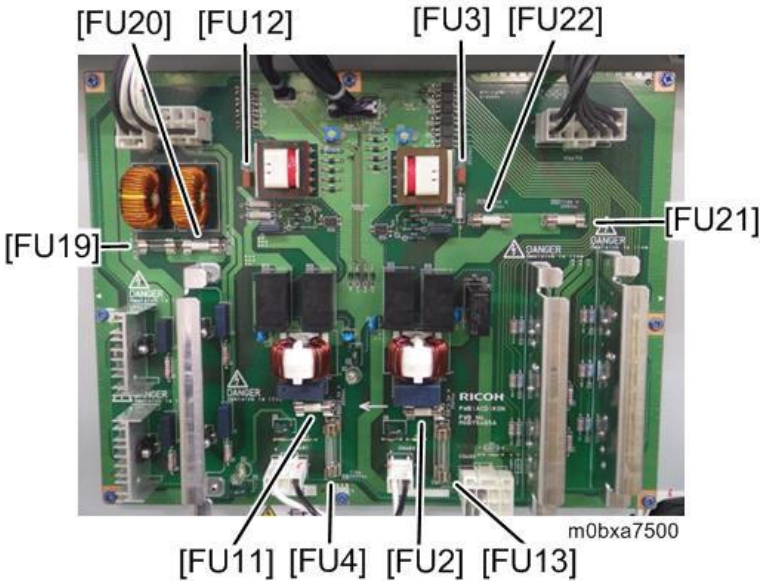


Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU1	8A	CN409-1 (input)	PCB error	Varies depending on the state the machine was in when the fuse was blown.

ACD (AC Drive)

This board performs AC control of each heater.



Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU2	2.5A	Inside PCB (V4, A2)	Abnormal voltage was input because of lightning etc.	-
FU3	2A	Inside PCB (T2-3)	Overloaded PCB etc.	SC585-00
FU4	15A	CN461-3 (input) Inside PCB	All heaters turned on because of a machine error, Overloaded PCB etc.	Power cord unset display
FU11	2.5A	Inside PCB (V2, A1)	Abnormal voltage was input because of lightning etc.	-
FU12	2A	Inside PCB (T1-3)	Overloaded PCB etc.	SC585-00
FU13	15A	CN460-2 (input) Inside PCB	Abnormal voltage was input because of lightning etc.	Machine does not operate.
FU19	15A,	CN471-1, 2	Cure heater short-circuit	SC572-00

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
	16A			
FU20	6.3A	CN470-1	Pre-heater short-circuit	SC542-01, 02
FU21	10A	CN473-6	Post heater short-circuit	SC562-01, 02
FU22	6.3A	CN473-12	Print heater short-circuit	SC552-01, 02, 03

Option

PIB (Attention Light Control Board)

This board controls the attention light.

LED status

Address	Color	LED status
LED1	Orange	Lit: 24V Output Unlit: Power OFF, FU1 blown

Fuse condition

Name	Rating	Connected to	When fuse is blown	
			Cause	Error display
FU1	0.5A	CN551-6	Power supply short circuit	Attention light does not light.

Energy Save

To reduce its power consumption, this machine has the following functions:

Sleep mode

- If this machine remains idle for a specified period or when the [Energy Saver] key is pressed, it enters Sleep mode to further reduce its electrical consumption.
- The default delay time the machine waits before entering Sleep mode is 30 minutes. This default time can be changed.

Specification

	L5130	L5160
Reduced electrical consumption in Sleep mode *1	3.8 W	3.6 W
Time of switch into Sleep mode	30 minutes	30 minutes
Time of switch out from Sleep mode *1	2 minutes	2 minutes

*1 The time it takes to switch out from energy saving functions and electrical consumption may differ depending on the conditions and environment of the machine.

RICOH Pro L5130/L5160
Machine Code: M0BX / M0BY
Appendices
Ver 1.00

Latest Release: February, 2019
Initial Release: February, 2019
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1. Specifications

Basic Specification

Machine specifications

Item	Spec.
Configuration	Console type ink jet printer
CPU	Marvell ® 88PA6270 Rev.C1 1.2GHz
Memory	• ROM 4GB • RAM 2GB
Number of print heads	3 heads
Media vacuuming	Vacuuming is performed by a fan. (Divided into 9 levels.)
Media feed method	One media input location, paper bypass location
Warm-up time (25°C (77°F))	Time required for the heater to reach the set temperature after power is turned on (Heater settings: pre-heater 60 °C (140°F), print heater 55 °C (131°F), post-heater 70 °C (158°F)) • 7 minutes or less
Print mode	6 Pass, 8 Pass, 12 Pass, 16 Pass, 32 Pass, 12 Pass (White)

Print speed	For 12 Pass mode (600 × 900 dpi), color single layer print
	• RICOH Pro L5130
	  • 4C: 22.3 m2/h
	  • 4C+W: 11.6 m2/h
	• RICOH Pro L5160
	  • 4C: 25.0 m2/h
	  • 4C+W: 12.9 m2/h
	Print speed may vary depending on environment, job type, and application settings.

Maximum resolution	1,200×1,200dpi

Supported media	• Types of recommended media:
	PVC/Tarpaulin/PET/PP/Coated Paper/Plain Paper/Soft Signage (Fabric)/Wallpaper/Canvas
	• Media width
	  • RICOH Pro L5130:297 – 1,371 mm (approx. 11.69 – 53.98 inches)
	  • RICOH Pro L5160:297 – 1,625 mm (approx. 11.69 – 63.98

Item	Spec.
	inches) • Media thickness 115 – 432 um • Roll media • Outside diameter:A diameter of 250 mm (9.84 inches) or less • Core size (bore):2 or 3 inches • Weight:55 kg (121.25 lb.) or less
Maximum print area	• RICOH Pro L5130 Width: 1,361 mm (approx. 53.58 inches) Length: 300,000 mm (approx. 11,811.02 inches) • RICOH Pro L5160 Width: 1,615 mm (approx. 63.58 inches) Length: 300,000 mm (approx. 11,811.02 inches)
Distance accuracy	• Absolute accuracy ±0.3 mm or ±0.3% of the specified distance, whichever is larger. • Reproducibility ±0.2 mm or ±0.1% of the specified distance, whichever is larger.
Perpendicularity	±0.5 mm/500 mm
Media skew	• Roll media 5 mm or less/10 m
Print head height adjustment	Default/+1/+2/+3 • Head rising amount • Default (The distance between a print head and the platen:1.8 mm (approx. 0.07 inches)) • +1(+0.5 mm (approx. +0.02 inches)) • +2(+1 mm (approx. +0.04 inches)) • +3(+2 mm (approx. +0.08 inches))
Media cut	Auto/manual (only for the horizontal direction)
Media output method	Automatically rolling up media with the roll-up unit (the rolling up face can be switched to either inner winding of the print side or outer winding of the print side.)
Waste ink bottle	1,600 cc
Supported interface	Ethernet (1000BASE-T, 100BASE-TX) × 1
Network protocol	TCP/IP (IPv4, IPv6), DNS, HTTP, Bonjour
Supported operating system	According to ONYX specifications (If you use a supported RIP software other than ONYX, check the specifications of each piece of RIP software.)

1.Specifications

Item	Spec.
Printer command	RPCS raster
Noise emission	• Standby 71 dB (A) or lower • Printing 78 dB (A) or lower
Power	• mainly Europe and Asia AC220–240 V, 16 A, 50/60 Hz (These values are for one power cord only.) • mainly North America AC208–240 V, 16 A, 50/60 Hz (These values are for one power cord only.)
Maximum power consumption (main unit only)	6,000 W or less
Operating environment	• Temperature: 15–30°C (59–86°F) (Recommended range: 20–25°C (68–77°F)) • Humidity: 35–80% (Recommended range: 40–60%) Printing may stop to protect the machine for conditions outside those described above.
Weight	• RICOH Pro L5130 360 kg (793.7 lb.) • RICOH Pro L5160 380 kg (837.8 lb.)
Dimensions (W × D × H)	• RICOH Pro L5130 W × D × H: 3,050 × 1,000 × 1,500 mm (approx. 120.08 × 39.37 × 59.06 inches) • RICOH Pro L5160 W × D × H: 3,300 × 1,000 × 1,500 mm (approx. 129.92 × 39.37 × 59.06 inches)
Machine occupation dimensions (W × D)	• RICOH Pro L5130 4,050 × 3,000 mm or more (approx. 159.45 ×118.11 inches) • RICOH Pro L5160 4,300 × 3,000 mm or more (approx. 169.29 ×118.11 inches)

Ink Specifications

Important

- Only use Ricoh-genuine ink.
- Do not disassemble ink cartridges, refill or add ink to the ink cartridges.
- Ink may freeze if stored in a cold place for a long period of time. If ink freezes, it may become unusable as it may deteriorate. Make sure to store ink in an environment where ink will not freeze.

Item	Spec.
Supported ink colors	Cyan, magenta, yellow, black, and white ink
Color combination	• 4C (C, M, Y, K) • 4C+W (C, M, Y, K, W)
Ink supply method	Ink cartridge replacement method
Ink cartridge capacity	• Standard cartridge: 600 ml • Large capacity cartridge: 1,200 ml
Guarantee period	• Within 24 months after manufacturing • Within 3 months after unsealing
Storage environment	• Temperature: 40°C (104°F) or less (Maximum 1 month: 32–40°C (90–104°F)) • Humidity: 35–80% Do not store ink cartridges where they will be exposed to direct sunlight.

2. SP Mode Tables

Service Program Mode

The following symbols are used in the SP mode tables.

Notation	What it means
ENG	Engine SP
CTL	Controller SP
[Min to Max/Init./Step]	Example: [-9 to 9 / 0 / 0.1mm]. The setting can be adjusted in the range ±9, value reset to 0 after an NV-RAM reset, and the value can be changed in 0.1 mm steps with each key press.
*	An asterisk (*) to the left side of ENG/CTL column means that this mode is stored in the NV-RAM. If you do a RAM clear, this SP mode will be reset to the default value. "ENG" and "CTL" show which NV-RAM contains the data. • *ENG: NV-RAM on the upper left of the GAU board • *CTL: NV-RAM on the lower right of the GAU board

Main SP Tables-1

SP1-002 to SP1-839

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-002-001	Print Position Adj(Right Edge)	By-pass Feed	ENG	[-10 to 10 / 0 / 0.1mm]
1-002-002	Print Position Adj(Right Edge)	Paper Input	ENG	[-10 to 10 / 0 / 0.1mm]
1-002-004	Print Position Adj(Right Edge)	By-pass Input (Factory Setting)	ENG	[-10 to 10 / 0 / 0.1mm]
1-002-005	Print Position Adj(Right Edge)	Paper Input (Factory Setting)	ENG	[-10 to 10 / 0 / 0.1mm]
1-002-007	Print Position Adj. (Right)	Paper Edge	ENG	[0 to 65535 / 0 / 1pulse]
1-002-009	Print Position Adj. (Left)	Resetting During Printing	ENG	[0 to 1 / 1 / 1]
1-002-010	Print Position Adj(Right Edge)	Adjust Pattern	ENG	[0 to 1700 / 0 / 1mm]
1-018-001	Internal Temperature Detection	High-Stop H	ENG*	[20 to 50 / 43.5 / 0.5C]
1-018-002	Internal Temperature Detection	High-Detect HM	ENG*	[20 to 50 / 41.5 / 0.5C]
1-018-003	Internal Temperature Detection	High-Resume HL	ENG*	[20 to 50 / 41.5 / 0.5C]
1-018-004	Internal Temperature Detection	Low-Resume LH	ENG*	[1 to 20 / 1 / 0.5C]
1-018-005	Internal Temperature Detection	Low-Detect LM	ENG*	[1 to 20 / 1 / 0.5C]
1-018-006	Internal Temperature Detection	Low-Stop L	ENG*	[1 to 20 / 1 / 0.5C]
1-100-001	Pre-Heater Temp. Setting	Pre-Heater ON/OFF	ENG	[0 to 1 / 0 / 1]
1-100-002	Pre-Heater Temp. Setting	Pre-Heater 2 Temp. Setting	ENG	[20 to 70 / 60 / 1deg]
1-100-003	Pre-Heater Temp. Setting	Pre-Heater 1 Temp. Setting	ENG	[-20 to 20 / -10 / 1deg]
1-100-	Print Heater Temp.	Print Heater ON/OFF	ENG	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Setting			
1-100-005	Print Heater Temp. Setting	Print Heater Temp. Setting	ENG	[20 to 70 / 55 / 1deg]
1-100-006	Print Heater Temp. Setting	Temp. Setting: End: Right	ENG	[-20 to 20 / 0 / 1deg]
1-100-007	Print Heater Temp. Setting	Temp. Setting: End: Left	ENG	[-20 to 20 / 0 / 1deg]
1-100-008	Post-Heater Temp. Setting	Post-Heater ON/OFF	ENG	[0 to 1 / 0 / 1]
1-100-009	Post-Heater Temp. Setting	Post-Heater Center Temp. Setting	ENG	[20 to 70 / 70 / 1deg]
1-100-010	Post-Heater Temp. Setting	Post-Heater Upper Temp. Setting	ENG	[-20 to 20 / 20 / 1deg]
1-100-011	Post-Heater Temp. Setting	Post-Heater Lower Temp. Setting	ENG	[-20 to 20 / 0 / 1deg]
1-100-012	Cure Heater Temp. Setting	Cure Heater ON/OFF	ENG	[0 to 1 / 0 / 1]
1-100-013	Cure Heater Temp. Setting	Cure Heater Temp. Setting	ENG	[0 to 25 / 20 / 1deg]
1-100-014	Post-Heater Temp. Setting	Post-Heater Upper Auto Setting	ENG	[0 to 1 / 0 / 1]
1-100-015	Print Heater: End Correction	End Correction Ta	ENG	[-10 to 10 / 0 / 1deg]
1-100-016	Print Heater: End Correction	End Correction Tb	ENG	[-10 to 10 / 0 / 1deg]
1-100-017	Print Heater: End Correction	End Correction Tc	ENG	[-10 to 10 / 0 / 1deg]
1-100-018	Cure Pre-Heat Temp	Target Temp.	ENG	[0 to 70 / 20 / 1deg]
1-100-019	Cure Pre-Heat Time	Minimum Time	ENG	[0 to 600 / 330 / 10sec]
1-100-020	Cure Pre-Heat Ctr Temp	Ctr Temp	ENG	[0 to 50 / 25 / 1deg]
1-100-021	CureHeater Temp Display	Ctr Lower Temp	ENG	[0 to 30 / 10 / 1deg]
1-101-	Heater Temp. Display	Pre-Heater Temp.	ENG	[20 to 90 / 20 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				0.1deg]
1-101-002	Heater Temp. Display	Pre-Heater Upper Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-003	Heater Temp. Display	Pre-Heater Center Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-004	Heater Temp. Display	Print Heater End Right Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-005	Heater Temp. Display	Print Heater End Left Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-006	Heater Temp. Display	Post-Heater Center Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-007	Heater Temp. Display	Post-Heater Upper Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-008	Heater Temp. Display	Post-Heater Lower Temp.	ENG	[20 to 90 / 20 / 0.1deg]
1-101-009	Media Temp. Display	Cure Heater Temp.	ENG	[20 to 120 / 20 / 0.1deg]
1-101-010	Reflector Temp. Display	Reflector Right Temp.	ENG	[20 to 110 / 20 / 0.1deg]
1-101-011	Reflector Temp. Display	Reflector Left Temp.	ENG	[20 to 110 / 20 / 0.1deg]
1-101-012	CureHeater Temp Display	Panel display Temp	ENG	[20 to 120 / 20 / 0.1deg]
1-102-001	Ink Drying Time	Drying Time for Each Scanning	ENG	[0 to 9.9 / 0 / 0.1sec]
1-102-002	Ink Drying Time	0:Machine Priority, 1: RIP Priority	ENG	[0 to 1 / 1 / 1]
1-103-001	Thermistor Correction	Pre-Heater Center Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-002	Thermistor Correction	Pre-Heater Upper Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-003	Thermistor Correction	Print Heater Center Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-004	Thermistor Correction	Print End Right Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-	Thermistor Correction	Print End Left Correct	ENG	[-10 to 10 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				0.1deg]
1-103-006	Thermistor Correction	Post Center Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-007	Thermistor Correction	Post Upper Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-008	Thermistor Correction	Post Lower Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-009	Thermopile Correction	Cure Heater Temp. Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-010	Thermistor Correction	Reflector Right Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-103-011	Thermistor Correction	Reflector Left Thermistor Correct	ENG	[-10 to 10 / 0 / 0.1deg]
1-104-001	Pre-Heater Ripple Setting	Pre-Heater Center	ENG	[1 to 2 / 1 / 1deg]
1-104-002	Pre-Heater Ripple Setting	Pre-Heater Upper	ENG	[1 to 2 / 1 / 1deg]
1-104-003	Print Heater Ripple Setting	Pre-Heater Center	ENG	[1 to 2 / 1 / 1deg]
1-104-004	Print Heater Ripple Setting	Print Heater End Right	ENG	[1 to 2 / 1 / 1deg]
1-104-005	Print Heater Ripple Setting	Print Heater End Left	ENG	[1 to 2 / 1 / 1deg]
1-104-006	Post-Heater Ripple Setting	Post Heater Center	ENG	[1 to 2 / 1 / 1deg]
1-104-007	Post-Heater Ripple Setting	Post Heater Upper	ENG	[1 to 2 / 1 / 1deg]
1-104-008	Post-Heater Ripple Setting	Post Heater Lower	ENG	[1 to 2 / 1 / 1deg]
1-104-009	Cure Heater Ripple Setting	Cure Heater	ENG	[1 to 2 / 1 / 1deg]
1-105-001	Low Temp. Mode Setting	Low Temp. Mode ON/OFF	ENG	[0 to 1 / 1 / 1]
1-105-002	Low Temp. Mode Shift Time	Low Temp. Mode Shift Time	ENG	[1 to 120 / 1 / 1min]
1-105-	Low Temp. Mode Temp.	Low Temp. Mode Drop	ENG	[0 to 30 / 20 / 1deg]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003	Setting	Temperature		
1-106-001	White Area Skip Setting	White Area Skip ON/OFF	ENG	[0 to 1 / 0 / 1]
1-106-002	White Area Skip Setting	0:Machine Priority / 1: RIP Priority	ENG	[0 to 1 / 1 / 1]
1-107-002	Test Feed: 4C/6C	Ink Set 4C/6C	ENG	[1 to 2 / 1 / 1]
1-107-003	Test Feed: 160/130	Model	ENG	[1 to 2 / 1 / 1]
1-107-004	Test Feed: Number of Passes	Number of Passes	ENG	[1 to 7 / 4 / 1]
1-107-005	Test Feed: Feed Amount	Feed Amount	ENG	[200 to 1200 / 700 / 100mm]
1-108-001	Cure Heater Upper Limit	Limit Temperature	ENG	[50 to 80 / 67 / 1deg]
1-108-002	Prevent Cure Heater Overshoot	Post Heater Upper Limit Temperature	ENG	[80 to 105 / 95 / 1deg]
1-109-001	Reload Control Temperature	Reload Control Temperature	ENG	[0 to 20 / 0 / 1deg]
1-141-001	SC Number	SC Number	ENG	[0 to 99999 / 0 / 1]
1-141-101	SC Error Temperature	Thermistor 1	ENG	[-50 to 110 / 0 / 1deg]
1-141-102	SC Error Temperature	Thermistor 2	ENG	[-50 to 110 / 0 / 1deg]
1-141-103	SC Error Temperature	Thermistor 3	ENG	[-60 to 150 / 0 / 1deg]
1-141-104	SC Error Temperature	Thermistor 4	ENG	[-60 to 150 / 0 / 1deg]
1-141-105	SC Error Temperature	Thermistor 5	ENG	[-60 to 150 / 0 / 1deg]
1-141-106	SC Error Temperature	Thermistor 6	ENG	[-50 to 110 / 0 / 1deg]
1-141-107	SC Error Temperature	Thermistor 7	ENG	[-50 to 110 / 0 / 1deg]
1-141-	SC Error Temperature	Thermistor 8	ENG	[-50 to 110 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
108				1deg]
1-141-109	SC Error Temperature	Thermistor 9	ENG	[-20 to 150 / 0 / 1deg]
1-141-110	SC Error Temperature	Thermistor 10	ENG	[-50 to 110 / 0 / 1deg]
1-141-111	SC Error Temperature	Thermistor 11	ENG	[-50 to 110 / 0 / 1deg]
1-141-112	Pre-Heater High Temp. Detect	Soft High Temp. Detect	ENG	[67 to 100 / 95 / 1deg]
1-141-113	Cure Reload Temperature	Cure Reload Temperature	ENG	[30 to 45 / 35 / 1deg]
1-141-114	Cure Reload Time	Cure Reload Time	ENG	[150 to 750 / 300 / 10sec]
1-141-151	Temp. before SC Occurrence	Thermistor 1	ENG	[-50 to 110 / 0 / 1deg]
1-141-152	Temp. before SC Occurrence	Thermistor 2	ENG	[-50 to 110 / 0 / 1deg]
1-141-153	Temp. before SC Occurrence	Thermistor 3	ENG	[-60 to 150 / 0 / 1deg]
1-141-154	Temp. before SC Occurrence	Thermistor 4	ENG	[-60 to 150 / 0 / 1deg]
1-141-155	Temp. before SC Occurrence	Thermistor 5	ENG	[-60 to 150 / 0 / 1deg]
1-141-156	Temp. before SC Occurrence	Thermistor 6	ENG	[-50 to 110 / 0 / 1deg]
1-141-157	Temp. before SC Occurrence	Thermistor 7	ENG	[-50 to 110 / 0 / 1deg]
1-141-158	Temp. before SC Occurrence	Thermistor 8	ENG	[-50 to 110 / 0 / 1deg]
1-141-159	Temp. before SC Occurrence	Thermistor 9	ENG	[-20 to 150 / 0 / 1deg]
1-141-160	Temp. before SC Occurrence	Thermistor 10	ENG	[-50 to 110 / 0 / 1deg]
1-141-161	Temp. before SC Occurrence	Thermistor 11	ENG	[-50 to 110 / 0 / 1deg]
1-210-	Main Scan Control	Main: Major Total Gain	ENG	[0 to 5 / 1 / 0.001]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001	Parameter			
1-210-002	Main Scan Control Parameter	Main: Minor Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-210-003	Main Scan Control Parameter	Main: Position FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-210-004	Main Scan Control Parameter	Main: Speed FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-210-005	Main Scan Control Parameter	Main: Voltage FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-220-001	Sub Scan Control Parameter	Sub: Major Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-220-002	Sub Scan Control Parameter	Sub: Minor Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-220-003	Sub Scan Control Parameter	Sub: Position FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-220-004	Sub Scan Control Parameter	Sub: Speed FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-220-005	Sub Scan Control Parameter	Sub: Voltage FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-230-001	Paper Feed Control Parameter	Paper Feed: Major Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-230-002	Paper Feed Control Parameter	Paper Feed: Minor Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-230-003	Paper Feed Control Parameter	Paper Feed: Position FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-230-004	Paper Feed Control Parameter	Paper Feed: Speed FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-230-005	Paper Feed Control Parameter	Paper Feed: Voltage FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-240-001	Rewind Control Parameter	Rewind: Major Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-240-002	Rewind Control Parameter	Rewind: Minor Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-240-003	Rewind Control Parameter	Rewind: Position FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-240-	Rewind Control	Rewind: Speed FF Total	ENG	[0 to 5 / 1 / 0.001]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	Parameter	Gain		
1-240-005	Rewind Control Parameter	Rewind: Voltage FF Total Gain	ENG	[0 to 5 / 1 / 0.001]
1-834-001	Feed Correct_Rate_Level	PVC	ENG	[0 to 3 / 0 / 1]
1-834-002	Feed Correct_Rate_Level	PET	ENG	[0 to 3 / 0 / 1]
1-834-003	Feed Correct_Rate_Level	Synthetic	ENG	[0 to 3 / 0 / 1]
1-834-004	Feed Correct_Rate_Level	Coated	ENG	[0 to 3 / 0 / 1]
1-834-005	Feed Correct_Rate_Level	Plain	ENG	[0 to 3 / 0 / 1]
1-834-006	Feed Correct_Rate_Level	Fabric	ENG	[0 to 3 / 0 / 1]
1-834-007	Feed Correct_Rate_Level	Wallpaper	ENG	[0 to 3 / 0 / 1]
1-834-008	Feed Correct_Rate_Level	Canvas	ENG	[0 to 3 / 0 / 1]
1-834-009	Feed Correct_Rate_Level	Level1	ENG	[0 to 500 / 50 / 1%]
1-834-010	Feed Correct_Rate_Level	Level2	ENG	[0 to 500 / 100 / 1%]
1-834-011	Feed Correct_Rate_Level	Level3	ENG	[0 to 500 / 150 / 1%]
1-835-001	Feed Correct_micro	PVC	ENG	[-50 to 50 / 0 / 1pulse]
1-835-002	Feed Correct_micro	PET	ENG	[-50 to 50 / 0 / 1pulse]
1-835-003	Feed Correct_micro	Synthetic	ENG	[-50 to 50 / 0 / 1pulse]
1-835-004	Feed Correct_micro	Coated	ENG	[-50 to 50 / 0 / 1pulse]
1-835-005	Feed Correct_micro	Plain	ENG	[-50 to 50 / 0 / 1pulse]
1-835-	Feed Correct_micro	Fabric	ENG	[-50 to 50 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				1pulse]
1-835-007	Feed Correct_micro	Wallpaper	ENG	[-50 to 50 / 0 / 1pulse]
1-835-008	Feed Correct_micro	Canvas	ENG	[-50 to 50 / 0 / 1pulse]
1-836-001	Feed Correct_PVC	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-002	Feed Correct_PVC	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-003	Feed Correct_PVC	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-004	Feed Correct_PVC	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-005	Feed Correct_PVC	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-006	Feed Correct_PVC	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-007	Feed Correct_PVC	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-008	Feed Correct_PVC	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-009	Feed Correct_PVC	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-010	Feed Correct_PVC	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-011	Feed Correct_PVC	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-012	Feed Correct_PVC	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-013	Feed Correct_PVC	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-014	Feed Correct_PVC	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-015	Feed Correct_PVC	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-	Feed Correct_PVC	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				1pulse]
1-836-017	Feed Correct_PVC	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-018	Feed Correct_PVC	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-019	Feed Correct_PVC	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-020	Feed Correct_PVC	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-021	Feed Correct_PVC	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-022	Feed Correct_PVC	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-023	Feed Correct_PVC	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-024	Feed Correct_PVC	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-025	Feed Correct_PVC	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-026	Feed Correct_PVC	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-027	Feed Correct_PVC	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-028	Feed Correct_PVC	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-029	Feed Correct_PVC	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-030	Feed Correct_PVC	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-031	Feed Correct_PVC	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-032	Feed Correct_PVC	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-033	Feed Correct_PVC	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-	Feed Correct_PVC	Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
1-836-035	Feed Correct_PVC	Thick3/Large/C	ENG	[-500 to 500 / -135 / 1]
1-836-036	Feed Correct_PVC	Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-037	Feed Correct_PVC	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-038	Feed Correct_PVC	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-039	Feed Correct_PVC	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-040	Feed Correct_PVC	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-041	Feed Correct_PVC	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-042	Feed Correct_PVC	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-043	Feed Correct_PVC	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-044	Feed Correct_PVC	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-045	Feed Correct_PVC	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-046	Feed Correct_PVC	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-047	Feed Correct_PVC	Thick4/Large/C	ENG	[-500 to 500 / -135 / 1]
1-836-048	Feed Correct_PVC	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-049	Feed Correct_PVC	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-050	Feed Correct_PVC	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-051	Feed Correct_PVC	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-	Feed Correct_PVC	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				1pulse]
1-836-053	Feed Correct_PVC	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-054	Feed Correct_PVC	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-055	Feed Correct_PVC	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-056	Feed Correct_PVC	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-057	Feed Correct_PVC	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-058	Feed Correct_PVC	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-059	Feed Correct_PVC	Thick5/Large/C	ENG	[-500 to 500 / -42 / 1]
1-836-060	Feed Correct_PVC	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-061	Feed Correct_PVC	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-062	Feed Correct_PVC	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-063	Feed Correct_PVC	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-064	Feed Correct_PVC	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-065	Feed Correct_PVC	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-066	Feed Correct_PVC	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-067	Feed Correct_PVC	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-068	Feed Correct_PVC	50/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-069	Feed Correct_PVC	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-	Feed Correct_PVC	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
070				
1-836-071	Feed Correct_PVC	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-072	Feed Correct_PVC	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-073	Feed Correct_PVC	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-074	Feed Correct_PVC	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-075	Feed Correct_PVC	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-076	Feed Correct_PVC	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-077	Feed Correct_PVC	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-078	Feed Correct_PVC	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-079	Feed Correct_PVC	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-080	Feed Correct_PVC	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-081	Feed Correct_PVC	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-082	Feed Correct_PVC	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-083	Feed Correct_PVC	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-084	Feed Correct_PVC	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-085	Feed Correct_PVC	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-086	Feed Correct_PVC	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-087	Feed Correct_PVC	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-	Feed Correct_PVC	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
088				1pulse]
1-836-089	Feed Correct_PVC	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-090	Feed Correct_PVC	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-091	Feed Correct_PVC	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-092	Feed Correct_PVC	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-093	Feed Correct_PVC	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-094	Feed Correct_PVC	50/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-095	Feed Correct_PVC	50/Thick3/Large/C	ENG	[-500 to 500 / -135 / 1]
1-836-096	Feed Correct_PVC	50/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-097	Feed Correct_PVC	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-098	Feed Correct_PVC	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-099	Feed Correct_PVC	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-100	Feed Correct_PVC	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-101	Feed Correct_PVC	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-102	Feed Correct_PVC	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-103	Feed Correct_PVC	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-104	Feed Correct_PVC	50/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-105	Feed Correct_PVC	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-	Feed Correct_PVC	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				
1-836-107	Feed Correct_PVC	50/Thick4/Large/C	ENG	[-500 to 500 / -135 / 1]
1-836-108	Feed Correct_PVC	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-109	Feed Correct_PVC	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-110	Feed Correct_PVC	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-111	Feed Correct_PVC	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-112	Feed Correct_PVC	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-113	Feed Correct_PVC	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-114	Feed Correct_PVC	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-115	Feed Correct_PVC	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-116	Feed Correct_PVC	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-117	Feed Correct_PVC	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-118	Feed Correct_PVC	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-119	Feed Correct_PVC	50/Thick5/Large/C	ENG	[-500 to 500 / -50 / 1]
1-836-120	Feed Correct_PVC	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-121	Feed Correct_PVC	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-122	Feed Correct_PVC	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-123	Feed Correct_PVC	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-	Feed Correct_PVC	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124				1pulse]
1-836-125	Feed Correct_PVC	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-126	Feed Correct_PVC	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-127	Feed Correct_PVC	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-128	Feed Correct_PVC	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-129	Feed Correct_PVC	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-130	Feed Correct_PVC	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-131	Feed Correct_PVC	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-132	Feed Correct_PVC	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-133	Feed Correct_PVC	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-134	Feed Correct_PVC	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-135	Feed Correct_PVC	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-136	Feed Correct_PVC	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-137	Feed Correct_PVC	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-138	Feed Correct_PVC	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-139	Feed Correct_PVC	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-140	Feed Correct_PVC	W/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-141	Feed Correct_PVC	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-	Feed Correct_PVC	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
142				
1-836-143	Feed Correct_PVC	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-144	Feed Correct_PVC	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-145	Feed Correct_PVC	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-146	Feed Correct_PVC	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-147	Feed Correct_PVC	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-148	Feed Correct_PVC	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-149	Feed Correct_PVC	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-150	Feed Correct_PVC	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-151	Feed Correct_PVC	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-152	Feed Correct_PVC	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-153	Feed Correct_PVC	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-154	Feed Correct_PVC	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-155	Feed Correct_PVC	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-156	Feed Correct_PVC	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-157	Feed Correct_PVC	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-158	Feed Correct_PVC	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-159	Feed Correct_PVC	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-	Feed Correct_PVC	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
160				1pulse]
1-836-161	Feed Correct_PVC	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-162	Feed Correct_PVC	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-163	Feed Correct_PVC	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-164	Feed Correct_PVC	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-165	Feed Correct_PVC	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-166	Feed Correct_PVC	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-836-167	Feed Correct_PVC	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-168	Feed Correct_PVC	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-169	Feed Correct_PVC	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-170	Feed Correct_PVC	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-171	Feed Correct_PVC	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-172	Feed Correct_PVC	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-836-173	Feed Correct_PVC	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-836-174	Feed Correct_PVC	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-836-175	Feed Correct_PVC	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-176	Feed Correct_PVC	W/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-836-177	Feed Correct_PVC	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-836-	Feed Correct_PVC	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
178				
1-836-179	Feed Correct_PVC	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-836-180	Feed Correct_PVC	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-001	Feed Correct_PET	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-002	Feed Correct_PET	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-003	Feed Correct_PET	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-004	Feed Correct_PET	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-005	Feed Correct_PET	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-006	Feed Correct_PET	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-007	Feed Correct_PET	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-008	Feed Correct_PET	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-009	Feed Correct_PET	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-010	Feed Correct_PET	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-011	Feed Correct_PET	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-012	Feed Correct_PET	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-013	Feed Correct_PET	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-014	Feed Correct_PET	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-015	Feed Correct_PET	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-	Feed Correct_PET	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				1pulse]
1-837-017	Feed Correct_PET	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-018	Feed Correct_PET	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-019	Feed Correct_PET	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-020	Feed Correct_PET	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-021	Feed Correct_PET	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-022	Feed Correct_PET	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-023	Feed Correct_PET	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-024	Feed Correct_PET	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-025	Feed Correct_PET	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-026	Feed Correct_PET	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-027	Feed Correct_PET	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-028	Feed Correct_PET	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-029	Feed Correct_PET	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-030	Feed Correct_PET	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-031	Feed Correct_PET	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-032	Feed Correct_PET	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-033	Feed Correct_PET	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-	Feed Correct_PET	Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
1-837-035	Feed Correct_PET	Thick3/Large/C	ENG	[-500 to 500 / -152 / 1]
1-837-036	Feed Correct_PET	Thick3/Extra Large/C	ENG	[-500 to 500 / -57 / 1]
1-837-037	Feed Correct_PET	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-038	Feed Correct_PET	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-039	Feed Correct_PET	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-040	Feed Correct_PET	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-041	Feed Correct_PET	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-042	Feed Correct_PET	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-043	Feed Correct_PET	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-044	Feed Correct_PET	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-045	Feed Correct_PET	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-046	Feed Correct_PET	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-047	Feed Correct_PET	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-048	Feed Correct_PET	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-049	Feed Correct_PET	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-050	Feed Correct_PET	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-051	Feed Correct_PET	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-	Feed Correct_PET	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				1pulse]
1-837-053	Feed Correct_PET	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-054	Feed Correct_PET	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-055	Feed Correct_PET	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-056	Feed Correct_PET	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-057	Feed Correct_PET	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-058	Feed Correct_PET	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-059	Feed Correct_PET	Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-060	Feed Correct_PET	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-061	Feed Correct_PET	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-062	Feed Correct_PET	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-063	Feed Correct_PET	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-064	Feed Correct_PET	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-065	Feed Correct_PET	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-066	Feed Correct_PET	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-067	Feed Correct_PET	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-068	Feed Correct_PET	50/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-069	Feed Correct_PET	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-	Feed Correct_PET	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
070				
1-837-071	Feed Correct_PET	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-072	Feed Correct_PET	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-073	Feed Correct_PET	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-074	Feed Correct_PET	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-075	Feed Correct_PET	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-076	Feed Correct_PET	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-077	Feed Correct_PET	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-078	Feed Correct_PET	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-079	Feed Correct_PET	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-080	Feed Correct_PET	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-081	Feed Correct_PET	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-082	Feed Correct_PET	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-083	Feed Correct_PET	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-084	Feed Correct_PET	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-085	Feed Correct_PET	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-086	Feed Correct_PET	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-087	Feed Correct_PET	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-	Feed Correct_PET	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
088				1pulse]
1-837-089	Feed Correct_PET	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-090	Feed Correct_PET	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-091	Feed Correct_PET	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-092	Feed Correct_PET	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-093	Feed Correct_PET	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-094	Feed Correct_PET	50/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-095	Feed Correct_PET	50/Thick3/Large/C	ENG	[-500 to 500 / -104 / 1]
1-837-096	Feed Correct_PET	50/Thick3/Extra Large/C	ENG	[-500 to 500 / -44 / 1]
1-837-097	Feed Correct_PET	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-098	Feed Correct_PET	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-099	Feed Correct_PET	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-100	Feed Correct_PET	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-101	Feed Correct_PET	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-102	Feed Correct_PET	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-103	Feed Correct_PET	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-104	Feed Correct_PET	50/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-105	Feed Correct_PET	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-	Feed Correct_PET	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				
1-837-107	Feed Correct_PET	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-108	Feed Correct_PET	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-109	Feed Correct_PET	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-110	Feed Correct_PET	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-111	Feed Correct_PET	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-112	Feed Correct_PET	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-113	Feed Correct_PET	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-114	Feed Correct_PET	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-115	Feed Correct_PET	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-116	Feed Correct_PET	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-117	Feed Correct_PET	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-118	Feed Correct_PET	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-119	Feed Correct_PET	50/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-120	Feed Correct_PET	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-121	Feed Correct_PET	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-122	Feed Correct_PET	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-123	Feed Correct_PET	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-	Feed Correct_PET	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124				1pulse]
1-837-125	Feed Correct_PET	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-126	Feed Correct_PET	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-127	Feed Correct_PET	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-128	Feed Correct_PET	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-129	Feed Correct_PET	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-130	Feed Correct_PET	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-131	Feed Correct_PET	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-132	Feed Correct_PET	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-133	Feed Correct_PET	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-134	Feed Correct_PET	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-135	Feed Correct_PET	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-136	Feed Correct_PET	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-137	Feed Correct_PET	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-138	Feed Correct_PET	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-139	Feed Correct_PET	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-140	Feed Correct_PET	W/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-141	Feed Correct_PET	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-	Feed Correct_PET	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
142				
1-837-143	Feed Correct_PET	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-144	Feed Correct_PET	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-145	Feed Correct_PET	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-146	Feed Correct_PET	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-147	Feed Correct_PET	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-148	Feed Correct_PET	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-149	Feed Correct_PET	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-150	Feed Correct_PET	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-151	Feed Correct_PET	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-152	Feed Correct_PET	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-153	Feed Correct_PET	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-154	Feed Correct_PET	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-155	Feed Correct_PET	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-156	Feed Correct_PET	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-157	Feed Correct_PET	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-158	Feed Correct_PET	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-159	Feed Correct_PET	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-	Feed Correct_PET	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
160				1pulse]
1-837-161	Feed Correct_PET	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-162	Feed Correct_PET	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-163	Feed Correct_PET	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-164	Feed Correct_PET	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-165	Feed Correct_PET	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-166	Feed Correct_PET	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-837-167	Feed Correct_PET	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-168	Feed Correct_PET	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-169	Feed Correct_PET	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-170	Feed Correct_PET	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-171	Feed Correct_PET	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-172	Feed Correct_PET	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-837-173	Feed Correct_PET	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-837-174	Feed Correct_PET	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-837-175	Feed Correct_PET	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-176	Feed Correct_PET	W/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-837-177	Feed Correct_PET	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-837-	Feed Correct_PET	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
178				
1-837-179	Feed Correct_PET	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-837-180	Feed Correct_PET	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-001	Feed Correct_Synthetic	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-002	Feed Correct_Synthetic	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-003	Feed Correct_Synthetic	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-004	Feed Correct_Synthetic	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-005	Feed Correct_Synthetic	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-006	Feed Correct_Synthetic	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-007	Feed Correct_Synthetic	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-008	Feed Correct_Synthetic	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-009	Feed Correct_Synthetic	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-010	Feed Correct_Synthetic	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-011	Feed Correct_Synthetic	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-012	Feed Correct_Synthetic	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-013	Feed Correct_Synthetic	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-014	Feed Correct_Synthetic	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-015	Feed Correct_Synthetic	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-	Feed Correct_Synthetic	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				1pulse]
1-838-017	Feed Correct_Synthetic	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-018	Feed Correct_Synthetic	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-019	Feed Correct_Synthetic	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-020	Feed Correct_Synthetic	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-021	Feed Correct_Synthetic	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-022	Feed Correct_Synthetic	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-023	Feed Correct_Synthetic	Thick2/Large/C	ENG	[-500 to 500 / 66 / 1]
1-838-024	Feed Correct_Synthetic	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-025	Feed Correct_Synthetic	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-026	Feed Correct_Synthetic	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-027	Feed Correct_Synthetic	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-028	Feed Correct_Synthetic	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-029	Feed Correct_Synthetic	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-030	Feed Correct_Synthetic	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-031	Feed Correct_Synthetic	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-032	Feed Correct_Synthetic	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-033	Feed Correct_Synthetic	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-	Feed Correct_Synthetic	Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
1-838-035	Feed Correct_Synthetic	Thick3/Large/C	ENG	[-500 to 500 / 66 / 1]
1-838-036	Feed Correct_Synthetic	Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-037	Feed Correct_Synthetic	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-038	Feed Correct_Synthetic	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-039	Feed Correct_Synthetic	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-040	Feed Correct_Synthetic	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-041	Feed Correct_Synthetic	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-042	Feed Correct_Synthetic	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-043	Feed Correct_Synthetic	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-044	Feed Correct_Synthetic	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-045	Feed Correct_Synthetic	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-046	Feed Correct_Synthetic	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-047	Feed Correct_Synthetic	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-048	Feed Correct_Synthetic	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-049	Feed Correct_Synthetic	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-050	Feed Correct_Synthetic	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-051	Feed Correct_Synthetic	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-	Feed Correct_Synthetic	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				1pulse]
1-838-053	Feed Correct_Synthetic	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-054	Feed Correct_Synthetic	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-055	Feed Correct_Synthetic	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-056	Feed Correct_Synthetic	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-057	Feed Correct_Synthetic	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-058	Feed Correct_Synthetic	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-059	Feed Correct_Synthetic	Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-060	Feed Correct_Synthetic	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-061	Feed Correct_Synthetic	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-062	Feed Correct_Synthetic	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-063	Feed Correct_Synthetic	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-064	Feed Correct_Synthetic	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-065	Feed Correct_Synthetic	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-066	Feed Correct_Synthetic	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-067	Feed Correct_Synthetic	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-068	Feed Correct_Synthetic	50/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-069	Feed Correct_Synthetic	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-	Feed Correct_Synthetic	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
070				
1-838-071	Feed Correct_Synthetic	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-072	Feed Correct_Synthetic	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-073	Feed Correct_Synthetic	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-074	Feed Correct_Synthetic	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-075	Feed Correct_Synthetic	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-076	Feed Correct_Synthetic	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-077	Feed Correct_Synthetic	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-078	Feed Correct_Synthetic	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-079	Feed Correct_Synthetic	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-080	Feed Correct_Synthetic	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-081	Feed Correct_Synthetic	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-082	Feed Correct_Synthetic	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-083	Feed Correct_Synthetic	50/Thick2/Large/C	ENG	[-500 to 500 / 99 / 1]
1-838-084	Feed Correct_Synthetic	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-085	Feed Correct_Synthetic	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-086	Feed Correct_Synthetic	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-087	Feed Correct_Synthetic	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-	Feed Correct_Synthetic	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
088				1pulse]
1-838-089	Feed Correct_Synthetic	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-090	Feed Correct_Synthetic	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-091	Feed Correct_Synthetic	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-092	Feed Correct_Synthetic	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-093	Feed Correct_Synthetic	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-094	Feed Correct_Synthetic	50/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-095	Feed Correct_Synthetic	50/Thick3/Large/C	ENG	[-500 to 500 / 99 / 1]
1-838-096	Feed Correct_Synthetic	50/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-097	Feed Correct_Synthetic	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-098	Feed Correct_Synthetic	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-099	Feed Correct_Synthetic	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-100	Feed Correct_Synthetic	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-101	Feed Correct_Synthetic	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-102	Feed Correct_Synthetic	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-103	Feed Correct_Synthetic	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-104	Feed Correct_Synthetic	50/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-105	Feed Correct_Synthetic	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-	Feed Correct_Synthetic	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				
1-838-107	Feed Correct_Synthetic	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-108	Feed Correct_Synthetic	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-109	Feed Correct_Synthetic	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-110	Feed Correct_Synthetic	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-111	Feed Correct_Synthetic	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-112	Feed Correct_Synthetic	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-113	Feed Correct_Synthetic	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-114	Feed Correct_Synthetic	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-115	Feed Correct_Synthetic	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-116	Feed Correct_Synthetic	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-117	Feed Correct_Synthetic	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-118	Feed Correct_Synthetic	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-119	Feed Correct_Synthetic	50/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-120	Feed Correct_Synthetic	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-121	Feed Correct_Synthetic	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-122	Feed Correct_Synthetic	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-123	Feed Correct_Synthetic	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-	Feed Correct_Synthetic	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124				1pulse]
1-838-125	Feed Correct_Synthetic	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-126	Feed Correct_Synthetic	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-127	Feed Correct_Synthetic	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-128	Feed Correct_Synthetic	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-129	Feed Correct_Synthetic	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-130	Feed Correct_Synthetic	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-131	Feed Correct_Synthetic	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-132	Feed Correct_Synthetic	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-133	Feed Correct_Synthetic	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-134	Feed Correct_Synthetic	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-135	Feed Correct_Synthetic	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-136	Feed Correct_Synthetic	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-137	Feed Correct_Synthetic	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-138	Feed Correct_Synthetic	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-139	Feed Correct_Synthetic	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-140	Feed Correct_Synthetic	W/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-141	Feed Correct_Synthetic	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-	Feed Correct_Synthetic	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
142				
1-838-143	Feed Correct_Synthetic	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-144	Feed Correct_Synthetic	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-145	Feed Correct_Synthetic	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-146	Feed Correct_Synthetic	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-147	Feed Correct_Synthetic	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-148	Feed Correct_Synthetic	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-149	Feed Correct_Synthetic	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-150	Feed Correct_Synthetic	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-151	Feed Correct_Synthetic	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-152	Feed Correct_Synthetic	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-153	Feed Correct_Synthetic	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-154	Feed Correct_Synthetic	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-155	Feed Correct_Synthetic	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-156	Feed Correct_Synthetic	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-157	Feed Correct_Synthetic	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-158	Feed Correct_Synthetic	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-159	Feed Correct_Synthetic	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-	Feed Correct_Synthetic	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
160				1pulse]
1-838-161	Feed Correct_Synthetic	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-162	Feed Correct_Synthetic	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-163	Feed Correct_Synthetic	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-164	Feed Correct_Synthetic	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-165	Feed Correct_Synthetic	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-166	Feed Correct_Synthetic	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-838-167	Feed Correct_Synthetic	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-168	Feed Correct_Synthetic	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-169	Feed Correct_Synthetic	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-170	Feed Correct_Synthetic	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-171	Feed Correct_Synthetic	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-172	Feed Correct_Synthetic	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-838-173	Feed Correct_Synthetic	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-838-174	Feed Correct_Synthetic	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-838-175	Feed Correct_Synthetic	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-176	Feed Correct_Synthetic	W/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-838-177	Feed Correct_Synthetic	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-838-	Feed Correct_Synthetic	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
178				
1-838-179	Feed Correct_Synthetic	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-838-180	Feed Correct_Synthetic	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-001	Feed Correct_Coated	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-002	Feed Correct_Coated	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-003	Feed Correct_Coated	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-004	Feed Correct_Coated	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-005	Feed Correct_Coated	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-006	Feed Correct_Coated	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-007	Feed Correct_Coated	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-008	Feed Correct_Coated	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-009	Feed Correct_Coated	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-010	Feed Correct_Coated	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-011	Feed Correct_Coated	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-012	Feed Correct_Coated	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-013	Feed Correct_Coated	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-014	Feed Correct_Coated	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-015	Feed Correct_Coated	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-	Feed Correct_Coated	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				1pulse]
1-839-017	Feed Correct_Coated	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-018	Feed Correct_Coated	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-019	Feed Correct_Coated	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-020	Feed Correct_Coated	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-021	Feed Correct_Coated	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-022	Feed Correct_Coated	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-023	Feed Correct_Coated	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-024	Feed Correct_Coated	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-025	Feed Correct_Coated	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-026	Feed Correct_Coated	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-027	Feed Correct_Coated	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-028	Feed Correct_Coated	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-029	Feed Correct_Coated	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-030	Feed Correct_Coated	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-031	Feed Correct_Coated	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-032	Feed Correct_Coated	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-033	Feed Correct_Coated	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-	Feed Correct_Coated	Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
034				
1-839-035	Feed Correct_Coated	Thick3/Large/C	ENG	[-500 to 500 / -102 / 1]
1-839-036	Feed Correct_Coated	Thick3/Extra Large/C	ENG	[-500 to 500 / -156 / 1]
1-839-037	Feed Correct_Coated	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-038	Feed Correct_Coated	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-039	Feed Correct_Coated	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-040	Feed Correct_Coated	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-041	Feed Correct_Coated	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-042	Feed Correct_Coated	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-043	Feed Correct_Coated	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-044	Feed Correct_Coated	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-045	Feed Correct_Coated	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-046	Feed Correct_Coated	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-047	Feed Correct_Coated	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-048	Feed Correct_Coated	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-049	Feed Correct_Coated	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-050	Feed Correct_Coated	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-051	Feed Correct_Coated	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-	Feed Correct_Coated	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				1pulse]
1-839-053	Feed Correct_Coated	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-054	Feed Correct_Coated	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-055	Feed Correct_Coated	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-056	Feed Correct_Coated	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-057	Feed Correct_Coated	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-058	Feed Correct_Coated	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-059	Feed Correct_Coated	Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-060	Feed Correct_Coated	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-061	Feed Correct_Coated	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-062	Feed Correct_Coated	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-063	Feed Correct_Coated	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-064	Feed Correct_Coated	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-065	Feed Correct_Coated	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-066	Feed Correct_Coated	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-067	Feed Correct_Coated	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-068	Feed Correct_Coated	50/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-069	Feed Correct_Coated	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-	Feed Correct_Coated	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
070				
1-839-071	Feed Correct_Coated	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-072	Feed Correct_Coated	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-073	Feed Correct_Coated	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-074	Feed Correct_Coated	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-075	Feed Correct_Coated	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-076	Feed Correct_Coated	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-077	Feed Correct_Coated	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-078	Feed Correct_Coated	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-079	Feed Correct_Coated	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-080	Feed Correct_Coated	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-081	Feed Correct_Coated	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-082	Feed Correct_Coated	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-083	Feed Correct_Coated	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-084	Feed Correct_Coated	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-085	Feed Correct_Coated	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-086	Feed Correct_Coated	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-087	Feed Correct_Coated	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-	Feed Correct_Coated	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
088				1pulse]
1-839-089	Feed Correct_Coated	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-090	Feed Correct_Coated	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-091	Feed Correct_Coated	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-092	Feed Correct_Coated	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-093	Feed Correct_Coated	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-094	Feed Correct_Coated	50/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-095	Feed Correct_Coated	50/Thick3/Large/C	ENG	[-500 to 500 / -61 / 1]
1-839-096	Feed Correct_Coated	50/Thick3/Extra Large/C	ENG	[-500 to 500 / -179 / 1]
1-839-097	Feed Correct_Coated	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-098	Feed Correct_Coated	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-099	Feed Correct_Coated	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-100	Feed Correct_Coated	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-101	Feed Correct_Coated	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-102	Feed Correct_Coated	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-103	Feed Correct_Coated	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-104	Feed Correct_Coated	50/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-105	Feed Correct_Coated	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-	Feed Correct_Coated	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
106				
1-839-107	Feed Correct_Coated	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-108	Feed Correct_Coated	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-109	Feed Correct_Coated	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-110	Feed Correct_Coated	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-111	Feed Correct_Coated	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-112	Feed Correct_Coated	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-113	Feed Correct_Coated	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-114	Feed Correct_Coated	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-115	Feed Correct_Coated	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-116	Feed Correct_Coated	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-117	Feed Correct_Coated	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-118	Feed Correct_Coated	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-119	Feed Correct_Coated	50/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-120	Feed Correct_Coated	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-121	Feed Correct_Coated	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-122	Feed Correct_Coated	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-123	Feed Correct_Coated	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-	Feed Correct_Coated	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
124				1pulse]
1-839-125	Feed Correct_Coated	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-126	Feed Correct_Coated	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-127	Feed Correct_Coated	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-128	Feed Correct_Coated	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-129	Feed Correct_Coated	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-130	Feed Correct_Coated	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-131	Feed Correct_Coated	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-132	Feed Correct_Coated	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-133	Feed Correct_Coated	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-134	Feed Correct_Coated	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-135	Feed Correct_Coated	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-136	Feed Correct_Coated	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-137	Feed Correct_Coated	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-138	Feed Correct_Coated	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-139	Feed Correct_Coated	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-140	Feed Correct_Coated	W/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-141	Feed Correct_Coated	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-	Feed Correct_Coated	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
142				
1-839-143	Feed Correct_Coated	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-144	Feed Correct_Coated	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-145	Feed Correct_Coated	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-146	Feed Correct_Coated	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-147	Feed Correct_Coated	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-148	Feed Correct_Coated	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-149	Feed Correct_Coated	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-150	Feed Correct_Coated	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-151	Feed Correct_Coated	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-152	Feed Correct_Coated	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-153	Feed Correct_Coated	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-154	Feed Correct_Coated	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-155	Feed Correct_Coated	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-156	Feed Correct_Coated	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-157	Feed Correct_Coated	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-158	Feed Correct_Coated	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-159	Feed Correct_Coated	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-	Feed Correct_Coated	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
160				1pulse]
1-839-161	Feed Correct_Coated	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-162	Feed Correct_Coated	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-163	Feed Correct_Coated	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-164	Feed Correct_Coated	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-165	Feed Correct_Coated	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-166	Feed Correct_Coated	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-839-167	Feed Correct_Coated	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-168	Feed Correct_Coated	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-169	Feed Correct_Coated	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-170	Feed Correct_Coated	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-171	Feed Correct_Coated	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-172	Feed Correct_Coated	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-839-173	Feed Correct_Coated	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-839-174	Feed Correct_Coated	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-839-175	Feed Correct_Coated	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-176	Feed Correct_Coated	W/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-839-177	Feed Correct_Coated	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-839-	Feed Correct_Coated	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
178				
1-839-179	Feed Correct_Coated	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-839-180	Feed Correct_Coated	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]

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SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-840-001	Feed Correct_Plain	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-002	Feed Correct_Plain	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-003	Feed Correct_Plain	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-004	Feed Correct_Plain	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-005	Feed Correct_Plain	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-006	Feed Correct_Plain	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-007	Feed Correct_Plain	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-008	Feed Correct_Plain	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-009	Feed Correct_Plain	Thick1/Small/C	ENG	[-500 to 500 / -330 / 1]
1-840-010	Feed Correct_Plain	Thick1/Medium/C	ENG	[-500 to 500 / -95 / 1]
1-840-011	Feed Correct_Plain	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-012	Feed Correct_Plain	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-013	Feed Correct_Plain	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-	Feed Correct_Plain	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				1pulse]
1-840-015	Feed Correct_Plain	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-016	Feed Correct_Plain	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-017	Feed Correct_Plain	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-018	Feed Correct_Plain	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-019	Feed Correct_Plain	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-020	Feed Correct_Plain	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-021	Feed Correct_Plain	Thick2/Small/C	ENG	[-500 to 500 / -330 / 1]
1-840-022	Feed Correct_Plain	Thick2/Medium/C	ENG	[-500 to 500 / -95 / 1]
1-840-023	Feed Correct_Plain	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-024	Feed Correct_Plain	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-025	Feed Correct_Plain	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-026	Feed Correct_Plain	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-027	Feed Correct_Plain	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-028	Feed Correct_Plain	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-029	Feed Correct_Plain	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-030	Feed Correct_Plain	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-031	Feed Correct_Plain	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-	Feed Correct_Plain	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
1-840-033	Feed Correct_Plain	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-034	Feed Correct_Plain	Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-035	Feed Correct_Plain	Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-036	Feed Correct_Plain	Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-037	Feed Correct_Plain	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-038	Feed Correct_Plain	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-039	Feed Correct_Plain	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-040	Feed Correct_Plain	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-041	Feed Correct_Plain	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-042	Feed Correct_Plain	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-043	Feed Correct_Plain	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-044	Feed Correct_Plain	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-045	Feed Correct_Plain	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-046	Feed Correct_Plain	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-047	Feed Correct_Plain	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-048	Feed Correct_Plain	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-049	Feed Correct_Plain	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-	Feed Correct_Plain	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				1pulse]
1-840-051	Feed Correct_Plain	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-052	Feed Correct_Plain	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-053	Feed Correct_Plain	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-054	Feed Correct_Plain	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-055	Feed Correct_Plain	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-056	Feed Correct_Plain	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-057	Feed Correct_Plain	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-058	Feed Correct_Plain	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-059	Feed Correct_Plain	Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-060	Feed Correct_Plain	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-061	Feed Correct_Plain	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-062	Feed Correct_Plain	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-063	Feed Correct_Plain	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-064	Feed Correct_Plain	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-065	Feed Correct_Plain	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-066	Feed Correct_Plain	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-067	Feed Correct_Plain	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-	Feed Correct_Plain	50/Thick1/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068		Large/B		
1-840-069	Feed Correct_Plain	50/Thick1/Small/C	ENG	[-500 to 500 / -323 / 1]
1-840-070	Feed Correct_Plain	50/Thick1/Medium/C	ENG	[-500 to 500 / -108 / 1]
1-840-071	Feed Correct_Plain	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-072	Feed Correct_Plain	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-073	Feed Correct_Plain	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-074	Feed Correct_Plain	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-075	Feed Correct_Plain	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-076	Feed Correct_Plain	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-077	Feed Correct_Plain	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-078	Feed Correct_Plain	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-079	Feed Correct_Plain	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-080	Feed Correct_Plain	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-081	Feed Correct_Plain	50/Thick2/Small/C	ENG	[-500 to 500 / -323 / 1]
1-840-082	Feed Correct_Plain	50/Thick2/Medium/C	ENG	[-500 to 500 / -108 / 1]
1-840-083	Feed Correct_Plain	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-084	Feed Correct_Plain	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-085	Feed Correct_Plain	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-	Feed Correct_Plain	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
086				1pulse]
1-840-087	Feed Correct_Plain	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-088	Feed Correct_Plain	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-089	Feed Correct_Plain	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-090	Feed Correct_Plain	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-091	Feed Correct_Plain	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-092	Feed Correct_Plain	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-093	Feed Correct_Plain	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-094	Feed Correct_Plain	50/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-095	Feed Correct_Plain	50/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-096	Feed Correct_Plain	50/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-097	Feed Correct_Plain	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-098	Feed Correct_Plain	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-099	Feed Correct_Plain	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-100	Feed Correct_Plain	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-101	Feed Correct_Plain	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-102	Feed Correct_Plain	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-103	Feed Correct_Plain	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-	Feed Correct_Plain	50/Thick4/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104		Large/B		
1-840-105	Feed Correct_Plain	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-106	Feed Correct_Plain	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-107	Feed Correct_Plain	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-108	Feed Correct_Plain	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-109	Feed Correct_Plain	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-110	Feed Correct_Plain	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-111	Feed Correct_Plain	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-112	Feed Correct_Plain	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-113	Feed Correct_Plain	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-114	Feed Correct_Plain	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-115	Feed Correct_Plain	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-116	Feed Correct_Plain	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-117	Feed Correct_Plain	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-118	Feed Correct_Plain	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-119	Feed Correct_Plain	50/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-120	Feed Correct_Plain	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-121	Feed Correct_Plain	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-	Feed Correct_Plain	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				1pulse]
1-840-123	Feed Correct_Plain	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-124	Feed Correct_Plain	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-125	Feed Correct_Plain	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-126	Feed Correct_Plain	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-127	Feed Correct_Plain	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-128	Feed Correct_Plain	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-129	Feed Correct_Plain	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-130	Feed Correct_Plain	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-131	Feed Correct_Plain	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-132	Feed Correct_Plain	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-133	Feed Correct_Plain	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-134	Feed Correct_Plain	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-135	Feed Correct_Plain	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-136	Feed Correct_Plain	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-137	Feed Correct_Plain	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-138	Feed Correct_Plain	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-139	Feed Correct_Plain	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-	Feed Correct_Plain	W/Thick2/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140		Large/B		
1-840-141	Feed Correct_Plain	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-142	Feed Correct_Plain	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-143	Feed Correct_Plain	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-144	Feed Correct_Plain	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-145	Feed Correct_Plain	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-146	Feed Correct_Plain	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-147	Feed Correct_Plain	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-148	Feed Correct_Plain	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-149	Feed Correct_Plain	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-150	Feed Correct_Plain	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-151	Feed Correct_Plain	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-152	Feed Correct_Plain	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-153	Feed Correct_Plain	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-154	Feed Correct_Plain	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-155	Feed Correct_Plain	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-156	Feed Correct_Plain	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-157	Feed Correct_Plain	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-	Feed Correct_Plain	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
158				1pulse]
1-840-159	Feed Correct_Plain	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-160	Feed Correct_Plain	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-161	Feed Correct_Plain	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-162	Feed Correct_Plain	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-163	Feed Correct_Plain	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-164	Feed Correct_Plain	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-165	Feed Correct_Plain	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-166	Feed Correct_Plain	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-167	Feed Correct_Plain	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-168	Feed Correct_Plain	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-169	Feed Correct_Plain	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-170	Feed Correct_Plain	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-171	Feed Correct_Plain	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-172	Feed Correct_Plain	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-840-173	Feed Correct_Plain	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-840-174	Feed Correct_Plain	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-840-175	Feed Correct_Plain	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-840-	Feed Correct_Plain	W/Thick5/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176		Large/B		
1-840-177	Feed Correct_Plain	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-840-178	Feed Correct_Plain	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-840-179	Feed Correct_Plain	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-840-180	Feed Correct_Plain	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-001	Feed Correct_Fabric	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-002	Feed Correct_Fabric	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-003	Feed Correct_Fabric	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-004	Feed Correct_Fabric	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-005	Feed Correct_Fabric	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-006	Feed Correct_Fabric	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-007	Feed Correct_Fabric	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-008	Feed Correct_Fabric	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-009	Feed Correct_Fabric	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-010	Feed Correct_Fabric	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-011	Feed Correct_Fabric	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-012	Feed Correct_Fabric	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-013	Feed Correct_Fabric	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-	Feed Correct_Fabric	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				1pulse]
1-841-015	Feed Correct_Fabric	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-016	Feed Correct_Fabric	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-017	Feed Correct_Fabric	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-018	Feed Correct_Fabric	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-019	Feed Correct_Fabric	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-020	Feed Correct_Fabric	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-021	Feed Correct_Fabric	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-022	Feed Correct_Fabric	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-023	Feed Correct_Fabric	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-024	Feed Correct_Fabric	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-025	Feed Correct_Fabric	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-026	Feed Correct_Fabric	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-027	Feed Correct_Fabric	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-028	Feed Correct_Fabric	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-029	Feed Correct_Fabric	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-030	Feed Correct_Fabric	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-031	Feed Correct_Fabric	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-	Feed Correct_Fabric	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
1-841-033	Feed Correct_Fabric	Thick3/Small/C	ENG	[-500 to 500 / -298 / 1]
1-841-034	Feed Correct_Fabric	Thick3/Medium/C	ENG	[-500 to 500 / -147 / 1]
1-841-035	Feed Correct_Fabric	Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-036	Feed Correct_Fabric	Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-037	Feed Correct_Fabric	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-038	Feed Correct_Fabric	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-039	Feed Correct_Fabric	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-040	Feed Correct_Fabric	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-041	Feed Correct_Fabric	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-042	Feed Correct_Fabric	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-043	Feed Correct_Fabric	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-044	Feed Correct_Fabric	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-045	Feed Correct_Fabric	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-046	Feed Correct_Fabric	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-047	Feed Correct_Fabric	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-048	Feed Correct_Fabric	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-049	Feed Correct_Fabric	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-	Feed Correct_Fabric	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				1pulse]
1-841-051	Feed Correct_Fabric	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-052	Feed Correct_Fabric	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-053	Feed Correct_Fabric	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-054	Feed Correct_Fabric	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-055	Feed Correct_Fabric	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-056	Feed Correct_Fabric	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-057	Feed Correct_Fabric	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-058	Feed Correct_Fabric	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-059	Feed Correct_Fabric	Thick5/Large/C	ENG	[-500 to 500 / -42 / 1]
1-841-060	Feed Correct_Fabric	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-061	Feed Correct_Fabric	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-062	Feed Correct_Fabric	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-063	Feed Correct_Fabric	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-064	Feed Correct_Fabric	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-065	Feed Correct_Fabric	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-066	Feed Correct_Fabric	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-067	Feed Correct_Fabric	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-	Feed Correct_Fabric	50/Thick1/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068		Large/B		
1-841-069	Feed Correct_Fabric	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-070	Feed Correct_Fabric	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-071	Feed Correct_Fabric	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-072	Feed Correct_Fabric	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-073	Feed Correct_Fabric	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-074	Feed Correct_Fabric	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-075	Feed Correct_Fabric	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-076	Feed Correct_Fabric	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-077	Feed Correct_Fabric	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-078	Feed Correct_Fabric	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-079	Feed Correct_Fabric	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-080	Feed Correct_Fabric	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-081	Feed Correct_Fabric	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-082	Feed Correct_Fabric	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-083	Feed Correct_Fabric	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-084	Feed Correct_Fabric	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-085	Feed Correct_Fabric	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-	Feed Correct_Fabric	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
086				1pulse]
1-841-087	Feed Correct_Fabric	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-088	Feed Correct_Fabric	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-089	Feed Correct_Fabric	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-090	Feed Correct_Fabric	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-091	Feed Correct_Fabric	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-092	Feed Correct_Fabric	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-093	Feed Correct_Fabric	50/Thick3/Small/C	ENG	[-500 to 500 / -315 / 1]
1-841-094	Feed Correct_Fabric	50/Thick3/Medium/C	ENG	[-500 to 500 / -76 / 1]
1-841-095	Feed Correct_Fabric	50/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-096	Feed Correct_Fabric	50/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-097	Feed Correct_Fabric	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-098	Feed Correct_Fabric	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-099	Feed Correct_Fabric	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-100	Feed Correct_Fabric	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-101	Feed Correct_Fabric	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-102	Feed Correct_Fabric	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-103	Feed Correct_Fabric	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-	Feed Correct_Fabric	50/Thick4/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104		Large/B		
1-841-105	Feed Correct_Fabric	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-106	Feed Correct_Fabric	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-107	Feed Correct_Fabric	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-108	Feed Correct_Fabric	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-109	Feed Correct_Fabric	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-110	Feed Correct_Fabric	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-111	Feed Correct_Fabric	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-112	Feed Correct_Fabric	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-113	Feed Correct_Fabric	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-114	Feed Correct_Fabric	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-115	Feed Correct_Fabric	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-116	Feed Correct_Fabric	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-117	Feed Correct_Fabric	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-118	Feed Correct_Fabric	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-119	Feed Correct_Fabric	50/Thick5/Large/C	ENG	[-500 to 500 / -50 / 1]
1-841-120	Feed Correct_Fabric	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-121	Feed Correct_Fabric	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-	Feed Correct_Fabric	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				1pulse]
1-841-123	Feed Correct_Fabric	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-124	Feed Correct_Fabric	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-125	Feed Correct_Fabric	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-126	Feed Correct_Fabric	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-127	Feed Correct_Fabric	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-128	Feed Correct_Fabric	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-129	Feed Correct_Fabric	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-130	Feed Correct_Fabric	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-131	Feed Correct_Fabric	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-132	Feed Correct_Fabric	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-133	Feed Correct_Fabric	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-134	Feed Correct_Fabric	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-135	Feed Correct_Fabric	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-136	Feed Correct_Fabric	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-137	Feed Correct_Fabric	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-138	Feed Correct_Fabric	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-139	Feed Correct_Fabric	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-	Feed Correct_Fabric	W/Thick2/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140		Large/B		
1-841-141	Feed Correct_Fabric	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-142	Feed Correct_Fabric	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-143	Feed Correct_Fabric	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-144	Feed Correct_Fabric	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-145	Feed Correct_Fabric	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-146	Feed Correct_Fabric	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-147	Feed Correct_Fabric	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-148	Feed Correct_Fabric	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-149	Feed Correct_Fabric	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-150	Feed Correct_Fabric	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-151	Feed Correct_Fabric	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-152	Feed Correct_Fabric	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-153	Feed Correct_Fabric	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-154	Feed Correct_Fabric	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-155	Feed Correct_Fabric	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-156	Feed Correct_Fabric	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-157	Feed Correct_Fabric	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-	Feed Correct_Fabric	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
158				1pulse]
1-841-159	Feed Correct_Fabric	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-160	Feed Correct_Fabric	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-161	Feed Correct_Fabric	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-162	Feed Correct_Fabric	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-163	Feed Correct_Fabric	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-164	Feed Correct_Fabric	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-165	Feed Correct_Fabric	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-166	Feed Correct_Fabric	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-167	Feed Correct_Fabric	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-168	Feed Correct_Fabric	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-169	Feed Correct_Fabric	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-170	Feed Correct_Fabric	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-171	Feed Correct_Fabric	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-172	Feed Correct_Fabric	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-841-173	Feed Correct_Fabric	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-841-174	Feed Correct_Fabric	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-841-175	Feed Correct_Fabric	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-841-	Feed Correct_Fabric	W/Thick5/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176		Large/B		
1-841-177	Feed Correct_Fabric	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-841-178	Feed Correct_Fabric	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-841-179	Feed Correct_Fabric	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-841-180	Feed Correct_Fabric	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-001	Feed Correct_Wallpaper	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-002	Feed Correct_Wallpaper	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-003	Feed Correct_Wallpaper	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-004	Feed Correct_Wallpaper	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-005	Feed Correct_Wallpaper	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-006	Feed Correct_Wallpaper	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-007	Feed Correct_Wallpaper	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-008	Feed Correct_Wallpaper	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-009	Feed Correct_Wallpaper	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-010	Feed Correct_Wallpaper	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-011	Feed Correct_Wallpaper	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-012	Feed Correct_Wallpaper	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-013	Feed Correct_Wallpaper	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-	Feed	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014	Correct_Wallpaper			1pulse]
1-842-015	Feed Correct_Wallpaper	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-016	Feed Correct_Wallpaper	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-017	Feed Correct_Wallpaper	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-018	Feed Correct_Wallpaper	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-019	Feed Correct_Wallpaper	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-020	Feed Correct_Wallpaper	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-021	Feed Correct_Wallpaper	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-022	Feed Correct_Wallpaper	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-023	Feed Correct_Wallpaper	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-024	Feed Correct_Wallpaper	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-025	Feed Correct_Wallpaper	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-026	Feed Correct_Wallpaper	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-027	Feed Correct_Wallpaper	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-028	Feed Correct_Wallpaper	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-029	Feed Correct_Wallpaper	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-030	Feed Correct_Wallpaper	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-031	Feed Correct_Wallpaper	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-	Feed	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032	Correct_Wallpaper			
1-842-033	Feed Correct_Wallpaper	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-034	Feed Correct_Wallpaper	Thick3/Medium/C	ENG	[-500 to 500 / -101 / 1]
1-842-035	Feed Correct_Wallpaper	Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-036	Feed Correct_Wallpaper	Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-037	Feed Correct_Wallpaper	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-038	Feed Correct_Wallpaper	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-039	Feed Correct_Wallpaper	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-040	Feed Correct_Wallpaper	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-041	Feed Correct_Wallpaper	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-042	Feed Correct_Wallpaper	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-043	Feed Correct_Wallpaper	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-044	Feed Correct_Wallpaper	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-045	Feed Correct_Wallpaper	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-046	Feed Correct_Wallpaper	Thick4/Medium/C	ENG	[-500 to 500 / -101 / 1]
1-842-047	Feed Correct_Wallpaper	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-048	Feed Correct_Wallpaper	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-049	Feed Correct_Wallpaper	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-	Feed	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050	Correct_Wallpaper			1pulse]
1-842-051	Feed Correct_Wallpaper	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-052	Feed Correct_Wallpaper	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-053	Feed Correct_Wallpaper	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-054	Feed Correct_Wallpaper	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-055	Feed Correct_Wallpaper	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-056	Feed Correct_Wallpaper	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-057	Feed Correct_Wallpaper	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-058	Feed Correct_Wallpaper	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-059	Feed Correct_Wallpaper	Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-060	Feed Correct_Wallpaper	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-061	Feed Correct_Wallpaper	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-062	Feed Correct_Wallpaper	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-063	Feed Correct_Wallpaper	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-064	Feed Correct_Wallpaper	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-065	Feed Correct_Wallpaper	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-066	Feed Correct_Wallpaper	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-067	Feed Correct_Wallpaper	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-	Feed	50/Thick1/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068	Correct_Wallpaper	Large/B		
1-842-069	Feed Correct_Wallpaper	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-070	Feed Correct_Wallpaper	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-071	Feed Correct_Wallpaper	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-072	Feed Correct_Wallpaper	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-073	Feed Correct_Wallpaper	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-074	Feed Correct_Wallpaper	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-075	Feed Correct_Wallpaper	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-076	Feed Correct_Wallpaper	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-077	Feed Correct_Wallpaper	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-078	Feed Correct_Wallpaper	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-079	Feed Correct_Wallpaper	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-080	Feed Correct_Wallpaper	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-081	Feed Correct_Wallpaper	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-082	Feed Correct_Wallpaper	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-083	Feed Correct_Wallpaper	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-084	Feed Correct_Wallpaper	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-085	Feed Correct_Wallpaper	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-	Feed	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
086	Correct_Wallpaper			1pulse]
1-842-087	Feed Correct_Wallpaper	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-088	Feed Correct_Wallpaper	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-089	Feed Correct_Wallpaper	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-090	Feed Correct_Wallpaper	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-091	Feed Correct_Wallpaper	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-092	Feed Correct_Wallpaper	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-093	Feed Correct_Wallpaper	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-094	Feed Correct_Wallpaper	50/Thick3/Medium/C	ENG	[-500 to 500 / -72 / 1]
1-842-095	Feed Correct_Wallpaper	50/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-096	Feed Correct_Wallpaper	50/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-097	Feed Correct_Wallpaper	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-098	Feed Correct_Wallpaper	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-099	Feed Correct_Wallpaper	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-100	Feed Correct_Wallpaper	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-101	Feed Correct_Wallpaper	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-102	Feed Correct_Wallpaper	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-103	Feed Correct_Wallpaper	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-	Feed	50/Thick4/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104	Correct_Wallpaper	Large/B		
1-842-105	Feed Correct_Wallpaper	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-106	Feed Correct_Wallpaper	50/Thick4/Medium/C	ENG	[-500 to 500 / -72 / 1]
1-842-107	Feed Correct_Wallpaper	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-108	Feed Correct_Wallpaper	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-109	Feed Correct_Wallpaper	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-110	Feed Correct_Wallpaper	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-111	Feed Correct_Wallpaper	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-112	Feed Correct_Wallpaper	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-113	Feed Correct_Wallpaper	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-114	Feed Correct_Wallpaper	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-115	Feed Correct_Wallpaper	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-116	Feed Correct_Wallpaper	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-117	Feed Correct_Wallpaper	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-118	Feed Correct_Wallpaper	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-119	Feed Correct_Wallpaper	50/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-120	Feed Correct_Wallpaper	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-121	Feed Correct_Wallpaper	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-	Feed	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122	Correct_Wallpaper			1pulse]
1-842-123	Feed Correct_Wallpaper	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-124	Feed Correct_Wallpaper	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-125	Feed Correct_Wallpaper	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-126	Feed Correct_Wallpaper	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-127	Feed Correct_Wallpaper	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-128	Feed Correct_Wallpaper	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-129	Feed Correct_Wallpaper	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-130	Feed Correct_Wallpaper	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-131	Feed Correct_Wallpaper	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-132	Feed Correct_Wallpaper	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-133	Feed Correct_Wallpaper	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-134	Feed Correct_Wallpaper	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-135	Feed Correct_Wallpaper	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-136	Feed Correct_Wallpaper	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-137	Feed Correct_Wallpaper	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-138	Feed Correct_Wallpaper	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-139	Feed Correct_Wallpaper	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-	Feed	W/Thick2/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140	Correct_Wallpaper	Large/B		
1-842-141	Feed Correct_Wallpaper	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-142	Feed Correct_Wallpaper	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-143	Feed Correct_Wallpaper	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-144	Feed Correct_Wallpaper	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-145	Feed Correct_Wallpaper	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-146	Feed Correct_Wallpaper	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-147	Feed Correct_Wallpaper	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-148	Feed Correct_Wallpaper	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-149	Feed Correct_Wallpaper	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-150	Feed Correct_Wallpaper	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-151	Feed Correct_Wallpaper	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-152	Feed Correct_Wallpaper	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-153	Feed Correct_Wallpaper	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-154	Feed Correct_Wallpaper	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-155	Feed Correct_Wallpaper	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-156	Feed Correct_Wallpaper	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-157	Feed Correct_Wallpaper	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-	Feed	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
158	Correct_Wallpaper			1pulse]
1-842-159	Feed Correct_Wallpaper	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-160	Feed Correct_Wallpaper	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-161	Feed Correct_Wallpaper	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-162	Feed Correct_Wallpaper	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-163	Feed Correct_Wallpaper	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-164	Feed Correct_Wallpaper	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-165	Feed Correct_Wallpaper	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-166	Feed Correct_Wallpaper	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-167	Feed Correct_Wallpaper	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-168	Feed Correct_Wallpaper	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-169	Feed Correct_Wallpaper	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-170	Feed Correct_Wallpaper	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-171	Feed Correct_Wallpaper	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-172	Feed Correct_Wallpaper	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-842-173	Feed Correct_Wallpaper	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-842-174	Feed Correct_Wallpaper	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-842-175	Feed Correct_Wallpaper	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-842-	Feed	W/Thick5/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176	Correct_Wallpaper	Large/B		
1-842-177	Feed Correct_Wallpaper	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-842-178	Feed Correct_Wallpaper	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-842-179	Feed Correct_Wallpaper	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-842-180	Feed Correct_Wallpaper	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-001	Feed Correct_Canvas	Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-002	Feed Correct_Canvas	Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-003	Feed Correct_Canvas	Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-004	Feed Correct_Canvas	Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-005	Feed Correct_Canvas	Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-006	Feed Correct_Canvas	Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-007	Feed Correct_Canvas	Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-008	Feed Correct_Canvas	Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-009	Feed Correct_Canvas	Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-010	Feed Correct_Canvas	Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-011	Feed Correct_Canvas	Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-012	Feed Correct_Canvas	Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-013	Feed Correct_Canvas	Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-	Feed Correct_Canvas	Thick2/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				1pulse]
1-843-015	Feed Correct_Canvas	Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-016	Feed Correct_Canvas	Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-017	Feed Correct_Canvas	Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-018	Feed Correct_Canvas	Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-019	Feed Correct_Canvas	Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-020	Feed Correct_Canvas	Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-021	Feed Correct_Canvas	Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-022	Feed Correct_Canvas	Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-023	Feed Correct_Canvas	Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-024	Feed Correct_Canvas	Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-025	Feed Correct_Canvas	Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-026	Feed Correct_Canvas	Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-027	Feed Correct_Canvas	Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-028	Feed Correct_Canvas	Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-029	Feed Correct_Canvas	Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-030	Feed Correct_Canvas	Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-031	Feed Correct_Canvas	Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-	Feed Correct_Canvas	Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
1-843-033	Feed Correct_Canvas	Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-034	Feed Correct_Canvas	Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-035	Feed Correct_Canvas	Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-036	Feed Correct_Canvas	Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-037	Feed Correct_Canvas	Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-038	Feed Correct_Canvas	Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-039	Feed Correct_Canvas	Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-040	Feed Correct_Canvas	Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-041	Feed Correct_Canvas	Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-042	Feed Correct_Canvas	Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-043	Feed Correct_Canvas	Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-044	Feed Correct_Canvas	Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-045	Feed Correct_Canvas	Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-046	Feed Correct_Canvas	Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-047	Feed Correct_Canvas	Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-048	Feed Correct_Canvas	Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-049	Feed Correct_Canvas	Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-	Feed Correct_Canvas	Thick5/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
050				1pulse]
1-843-051	Feed Correct_Canvas	Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-052	Feed Correct_Canvas	Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-053	Feed Correct_Canvas	Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-054	Feed Correct_Canvas	Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-055	Feed Correct_Canvas	Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-056	Feed Correct_Canvas	Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-057	Feed Correct_Canvas	Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-058	Feed Correct_Canvas	Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-059	Feed Correct_Canvas	Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-060	Feed Correct_Canvas	Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-061	Feed Correct_Canvas	50/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-062	Feed Correct_Canvas	50/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-063	Feed Correct_Canvas	50/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-064	Feed Correct_Canvas	50/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-065	Feed Correct_Canvas	50/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-066	Feed Correct_Canvas	50/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-067	Feed Correct_Canvas	50/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-	Feed Correct_Canvas	50/Thick1/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068		Large/B		
1-843-069	Feed Correct_Canvas	50/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-070	Feed Correct_Canvas	50/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-071	Feed Correct_Canvas	50/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-072	Feed Correct_Canvas	50/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-073	Feed Correct_Canvas	50/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-074	Feed Correct_Canvas	50/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-075	Feed Correct_Canvas	50/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-076	Feed Correct_Canvas	50/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-077	Feed Correct_Canvas	50/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-078	Feed Correct_Canvas	50/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-079	Feed Correct_Canvas	50/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-080	Feed Correct_Canvas	50/Thick2/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-081	Feed Correct_Canvas	50/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-082	Feed Correct_Canvas	50/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-083	Feed Correct_Canvas	50/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-084	Feed Correct_Canvas	50/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-085	Feed Correct_Canvas	50/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-	Feed Correct_Canvas	50/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
086				1pulse]
1-843-087	Feed Correct_Canvas	50/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-088	Feed Correct_Canvas	50/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-089	Feed Correct_Canvas	50/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-090	Feed Correct_Canvas	50/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-091	Feed Correct_Canvas	50/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-092	Feed Correct_Canvas	50/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-093	Feed Correct_Canvas	50/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-094	Feed Correct_Canvas	50/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-095	Feed Correct_Canvas	50/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-096	Feed Correct_Canvas	50/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-097	Feed Correct_Canvas	50/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-098	Feed Correct_Canvas	50/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-099	Feed Correct_Canvas	50/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-100	Feed Correct_Canvas	50/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-101	Feed Correct_Canvas	50/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-102	Feed Correct_Canvas	50/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-103	Feed Correct_Canvas	50/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-	Feed Correct_Canvas	50/Thick4/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104		Large/B		
1-843-105	Feed Correct_Canvas	50/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-106	Feed Correct_Canvas	50/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-107	Feed Correct_Canvas	50/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-108	Feed Correct_Canvas	50/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-109	Feed Correct_Canvas	50/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-110	Feed Correct_Canvas	50/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-111	Feed Correct_Canvas	50/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-112	Feed Correct_Canvas	50/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-113	Feed Correct_Canvas	50/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-114	Feed Correct_Canvas	50/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-115	Feed Correct_Canvas	50/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-116	Feed Correct_Canvas	50/Thick5/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-117	Feed Correct_Canvas	50/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-118	Feed Correct_Canvas	50/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-119	Feed Correct_Canvas	50/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-120	Feed Correct_Canvas	50/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-121	Feed Correct_Canvas	W/Thick1/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-	Feed Correct_Canvas	W/Thick1/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
122				1pulse]
1-843-123	Feed Correct_Canvas	W/Thick1/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-124	Feed Correct_Canvas	W/Thick1/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-125	Feed Correct_Canvas	W/Thick1/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-126	Feed Correct_Canvas	W/Thick1/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-127	Feed Correct_Canvas	W/Thick1/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-128	Feed Correct_Canvas	W/Thick1/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-129	Feed Correct_Canvas	W/Thick1/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-130	Feed Correct_Canvas	W/Thick1/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-131	Feed Correct_Canvas	W/Thick1/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-132	Feed Correct_Canvas	W/Thick1/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-133	Feed Correct_Canvas	W/Thick2/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-134	Feed Correct_Canvas	W/Thick2/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-135	Feed Correct_Canvas	W/Thick2/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-136	Feed Correct_Canvas	W/Thick2/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-137	Feed Correct_Canvas	W/Thick2/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-138	Feed Correct_Canvas	W/Thick2/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-139	Feed Correct_Canvas	W/Thick2/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-	Feed Correct_Canvas	W/Thick2/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
140		Large/B		
1-843-141	Feed Correct_Canvas	W/Thick2/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-142	Feed Correct_Canvas	W/Thick2/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-143	Feed Correct_Canvas	W/Thick2/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-144	Feed Correct_Canvas	W/Thick2/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-145	Feed Correct_Canvas	W/Thick3/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-146	Feed Correct_Canvas	W/Thick3/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-147	Feed Correct_Canvas	W/Thick3/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-148	Feed Correct_Canvas	W/Thick3/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-149	Feed Correct_Canvas	W/Thick3/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-150	Feed Correct_Canvas	W/Thick3/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-151	Feed Correct_Canvas	W/Thick3/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-152	Feed Correct_Canvas	W/Thick3/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-153	Feed Correct_Canvas	W/Thick3/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-154	Feed Correct_Canvas	W/Thick3/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-155	Feed Correct_Canvas	W/Thick3/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-156	Feed Correct_Canvas	W/Thick3/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-157	Feed Correct_Canvas	W/Thick4/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-	Feed Correct_Canvas	W/Thick4/Medium/A	ENG	[-2000 to 2000 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
158				1pulse]
1-843-159	Feed Correct_Canvas	W/Thick4/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-160	Feed Correct_Canvas	W/Thick4/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-161	Feed Correct_Canvas	W/Thick4/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-162	Feed Correct_Canvas	W/Thick4/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-163	Feed Correct_Canvas	W/Thick4/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-164	Feed Correct_Canvas	W/Thick4/Extra Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-165	Feed Correct_Canvas	W/Thick4/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-166	Feed Correct_Canvas	W/Thick4/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-167	Feed Correct_Canvas	W/Thick4/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-168	Feed Correct_Canvas	W/Thick4/Extra Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-169	Feed Correct_Canvas	W/Thick5/Small/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-170	Feed Correct_Canvas	W/Thick5/Medium/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-171	Feed Correct_Canvas	W/Thick5/Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-172	Feed Correct_Canvas	W/Thick5/Extra Large/A	ENG	[-2000 to 2000 / 0 / 1pulse]
1-843-173	Feed Correct_Canvas	W/Thick5/Small/B	ENG	[-500 to 500 / 0 / 1]
1-843-174	Feed Correct_Canvas	W/Thick5/Medium/B	ENG	[-500 to 500 / 0 / 1]
1-843-175	Feed Correct_Canvas	W/Thick5/Large/B	ENG	[-500 to 500 / 0 / 1]
1-843-	Feed Correct_Canvas	W/Thick5/Extra	ENG	[-500 to 500 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
176		Large/B		
1-843-177	Feed Correct_Canvas	W/Thick5/Small/C	ENG	[-500 to 500 / 0 / 1]
1-843-178	Feed Correct_Canvas	W/Thick5/Medium/C	ENG	[-500 to 500 / 0 / 1]
1-843-179	Feed Correct_Canvas	W/Thick5/Large/C	ENG	[-500 to 500 / 0 / 1]
1-843-180	Feed Correct_Canvas	W/Thick5/Extra Large/C	ENG	[-500 to 500 / 0 / 1]

SP1-844 to SP1-975

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-844-001	Feed Correct_Shift	4C/6pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-002	Feed Correct_Shift	4C/8pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-003	Feed Correct_Shift	4C/12pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-004	Feed Correct_Shift	4C/16pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-005	Feed Correct_Shift	4C/32pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-006	Feed Correct_Shift	4CW_4C/6pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-007	Feed Correct_Shift	4CW_4C/8pass	ENG	[-50 to 50 / 0 / 1pulse]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-844-008	Feed Correct_Shift	4CW_4C/12pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-009	Feed Correct_Shift	4CW_4C/16pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-010	Feed Correct_Shift	4CW_4C/32pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-011	Feed Correct_Shift	4CW_CW/6pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-012	Feed Correct_Shift	4CW_CW/8pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-013	Feed Correct_Shift	4CW_CW/12pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-014	Feed Correct_Shift	4CW_CW/16pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-015	Feed Correct_Shift	4CW_CW/32pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-016	Feed Correct_Shift	4CW_WC/6pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-017	Feed Correct_Shift	4CW_WC/8pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-018	Feed Correct_Shift	4CW_WC/12pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-019	Feed Correct_Shift	4CW_WC/16pass	ENG	[-50 to 50 / 0 / 1pulse]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-844-020	Feed Correct_Shift	4CW_WC/32pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-021	Feed Correct_Shift	4CW_CWC/6pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-022	Feed Correct_Shift	4CW_CWC/8pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-023	Feed Correct_Shift	4CW_CWC/12pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-024	Feed Correct_Shift	4CW_CWC/16pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-025	Feed Correct_Shift	4CW_CWC/32pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-026	Feed Correct_Shift	4CW_W/6pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-027	Feed Correct_Shift	4CW_W/8pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-028	Feed Correct_Shift	4CW_W/12pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-029	Feed Correct_Shift	4CW_W/16pass	ENG	[-50 to 50 / 0 / 1pulse]
1-844-030	Feed Correct_Shift	4CW_W/32pass	ENG	[-50 to 50 / 0 / 1pulse]
1-845-001	Feed Correct Current Setting	50mm/s White except	ENG	[-2000 to 2000 / 0 / 1pulse]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-845-002	Feed Correct Current Setting	50mm/s	ENG	[-2000 to 2000 / 0 / 1pulse]
1-845-003	Feed Correct Current Setting	White	ENG	[-2000 to 2000 / 0 / 1pulse]
1-845-004	Feed Correct Current Setting	Micro Setting	ENG	[-50 to 50 / 0 / 1pulse]
1-845-005	Feed Correct Current Setting	Rate Level Setting	ENG	[0 to 3 / 0 / 1]
1-850-001	Paper Feed Control	Paper Feed Start Timing	ENG	[0 to 1000 / 100 / 10msec]
1-850-002	Paper Feed Control	Paper Feed Stop Timing	ENG	[0 to 1000 / 100 / 10msec]
1-850-003	Paper Feed Control	Paper Feed Speed Select	ENG	[0 to 1 / 0 / 1]
1-850-004	Paper Feed Control	Paper Feed Speed	ENG	[0 to 1280 / 448 / 1rpm]
1-850-005	Paper Feed Control	Paper Output Speed Select	ENG	[0 to 1 / 0 / 1]
1-850-006	Paper Feed Control	Paper Output Speed	ENG	[0 to 1280 / 512 / 1rpm]
1-850-007	Paper Feed Control	Paper Output Speed Gap	ENG	[-15 to 20 / 10 / 1mm/s]
1-921-001	Cut Length Adjustment	Cutting Position Adjustment	ENG	[-10 to 10 / 0 / 0.1mm]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-922-001	Sub Scan Feed Adjustment	By-pass Input Standard	ENG	[-2000 to 2000 / 0 / 1pulse]
1-922-002	Sub Scan Feed Adjustment	By-pass Input Fast	ENG	[-2000 to 2000 / 0 / 1pulse]
1-922-003	Sub Scan Feed Adjustment	By-pass Input White	ENG	[-2000 to 2000 / 0 / 1pulse]
1-922-007	Sub Scan Feed Adjustment	Feed Offset Forward	ENG	[-400 to 400 / 0 / 1pulse]
1-922-008	Sub Scan Feed Adjustment	Feed Offset Backward	ENG	[-400 to 400 / 0 / 1pulse]
1-923-001	Cutter Operation Adjustment	Standby Time Period	ENG	[0 to 100 / 6 / 1msec]
1-923-003	Cutter Operation Adjustment	Amount Of Rewinding	ENG	[0 to 100 / 10 / 1mm]
1-923-004	Cutter Operation Adjustment	Error Detection Time	ENG	[2 to 100 / 10 / 1sec]
1-923-005	Cutter Operation Adjustment	Cutter Stop time	ENG*	[0 to 1000 / 500 / 10msec]
1-926-001	Carriage Updown Adjustment	Updown Time	ENG*	[-5 to 5 / 0 / 0.1sec]
1-927-001	CarriageEmergStop LimitVoltage	Main Scan Motor	ENG	[0 to 37 / 37 / 0.1V]
1-930-001	Manual Cut	standby	ENG	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-940-001	Feed Length Correction Table	Rotation Angle 0	ENG	[-50 to 50 / 0 / 1pulse]
1-940-002	Feed Length Correction Table	Rotation Angle 1	ENG	[1550 to 1650 / 1600 / 1pulse]
1-940-003	Feed Length Correction Table	Rotation Angle 2	ENG	[3150 to 3250 / 3200 / 1pulse]
1-940-004	Feed Length Correction Table	Rotation Angle 3	ENG	[4750 to 4850 / 4800 / 1pulse]
1-940-005	Feed Length Correction Table	Rotation Angle 4	ENG	[6350 to 6450 / 6400 / 1pulse]
1-940-006	Feed Length Correction Table	Rotation Angle 5	ENG	[7950 to 8050 / 8000 / 1pulse]
1-940-007	Feed Length Correction Table	Rotation Angle 6	ENG	[9550 to 9650 / 9600 / 1pulse]
1-940-008	Feed Length Correction Table	Rotation Angle 7	ENG	[11150 to 11250 / 11200 / 1pulse]
1-940-009	Feed Length Correction Table	Rotation Angle 8	ENG	[12750 to 12850 / 12800 / 1pulse]
1-940-010	Feed Length Correction Table	Rotation Angle 9	ENG	[14350 to 14450 / 14400 / 1pulse]
1-940-011	Feed Length Correction Table	Rotation Angle 10	ENG	[15950 to 16050 / 16000 / 1pulse]
1-940-012	Feed Length Correction Table	Rotation Angle 11	ENG	[17550 to 17650 / 17600 / 1pulse]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-940-021	Feed Length Correction Table	Feed Length 0	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-022	Feed Length Correction Table	Feed Length 1	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-023	Feed Length Correction Table	Feed Length 2	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-024	Feed Length Correction Table	Feed Length 3	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-025	Feed Length Correction Table	Feed Length 4	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-026	Feed Length Correction Table	Feed Length 5	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-027	Feed Length Correction Table	Feed Length 6	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-028	Feed Length Correction Table	Feed Length 7	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-029	Feed Length Correction Table	Feed Length 8	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-030	Feed Length Correction Table	Feed Length 9	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-031	Feed Length Correction Table	Feed Length 10	ENG	[-1680 to 1680 / 0 / 2.1um]
1-940-032	Feed Length Correction Table	Feed Length 11	ENG	[-1680 to 1680 / 0 / 2.1um]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-941-001	Feed Length Correction Value	Base Position and Phase	ENG	[0 to 19200 / 0 / 1pulse]
1-941-002	Feed Length Correction Value	Maximum Amplitude	ENG	[0 to 1680 / 0 / 3.3um]
1-941-003	Feed Length Correction Value	Feed Length Tolerance	ENG	[-800 to 800 / 0 / 1um]
1-941-004	Feed Length Correction Value	Base Diameter	ENG	[4.5 to 5.5 / 5.15 / 0.001mm]
1-941-005	Feed Length Correction Value	Coefficient of Linear Expansion	ENG	[50 to 300 / 117 / 1/deg]
1-941-006	Feed Length Correction Value	Base Temperature	ENG	[15 to 30 / 23 / 1deg]
1-941-007	Feed Length Correction Value	Paper Thickness	ENG	[46 to 190 / 92 / 1um]
1-941-008	Feed Length Correction Value	Rolling up Angle	ENG	[0 to 20 / 11.5 / 0.5deg]
1-941-009	Feed Length Correction Value	Discharge Direction Correction	ENG	[-100 to 100 / 0 / 1pulse]
1-941-011	Feed Length Correction Value	Auto Adjustment Ready Time	ENG	[10 to 3000 / 1000 / 10ms]
1-941-020	Position Adjustment	Nozzle Check	ENG	[0 to 300 / 135 / 5mm]
1-941-022	Position Adjustment	Margin Between Pages	ENG	[0 to 200 / 0 / 1mm]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-941-023	Position Adjustment	Feed Length After Ink Drying	ENG	[-690 to 200 / 0 / 1mm]
1-941-024	Position Adjustment	Rewind Length After Cutting	ENG	[0 to 650 / 0 / 1mm]
1-941-025	Position Adjustment	Continuous Print Margin	ENG	[15 to 160 / 160 / 1mm]
1-942-001	Feed Length Correction Select	Eccentric Center	ENG	[0 to 1 / 0 / 1]
1-942-002	Feed Length Correction Select	Method	ENG	[0 to 1 / 0 / 1]
1-942-003	Feed Length Correction Select	Roller Diameter	ENG	[0 to 1 / 1 / 1]
1-942-004	Feed Length Correction Select	Temperature	ENG	[0 to 1 / 0 / 1]
1-942-005	Feed Length Correction Select	Paper Thickness	ENG	[0 to 1 / 0 / 1]
1-942-006	Feed Length Correction Select	Quantization	ENG	[0 to 1 / 0 / 1]
1-942-007	Feed Length Correction Select	Discharge Direction	ENG	[0 to 1 / 0 / 1]
1-943-001	Automatic Paper Transport	Function Select	ENG	[0 to 1 / 1 / 1]
1-943-002	Automatic Paper Transport	Measuring Length	ENG	[1 to 220 / 20 / 1mm]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-952-001	Skew Adjustment	Skewed Value	ENG	[0 to 2 / 1 / 0.01%]
1-952-002	Skew Adjustment	Measuring Length	ENG	[50 to 300 / 200 / 10mm]
1-952-003	Skew Adjustment	Measuring Length	ENG	[50 to 300 / 100 / 10mm]
1-953-001	Skewed Value Indication	Current Skewed Value	ENG	[0 to 20 / 0 / 0.01%]
1-953-002	Skewed Value Indication	Previous Skewed Value	ENG	[0 to 20 / 0 / 0.01%]
1-953-003	Skewed Value Indication	Preceding Previous Skewed Value	ENG	[0 to 20 / 0 / 0.01%]
1-954-001	Roll End Detection	Limit Voltage	ENG	[12000 to 23000 / 18000 / 100mV]
1-954-002	Roll End Detection	Duration	ENG	[100 to 3000 / 600 / 100msec]
1-954-003	Roll End Detection	HOLD Voltage/Width0	ENG	[500 to 15000 / 10000 / 100mV]
1-954-004	Roll End Detection	HOLD Voltage/Width1	ENG	[500 to 15000 / 10000 / 100mV]
1-954-005	Roll End Detection	HOLD Voltage/Width2	ENG	[500 to 15000 / 10000 / 100mV]
1-954-006	Roll End Detection	HOLD Voltage/Width3	ENG	[500 to 15000 / 10000 / 100mV]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-954-008	Roll End Detection	Voltage limited Count	ENG	[1 to 30 / 3 / 1times]
1-955-001	SuctionFanDuty	Idling Close	ENG	[20 to 100 / 50 / 10%]
1-955-002	SuctionFanDuty	Idling Open	ENG	[20 to 100 / 20 / 10%]
1-957-001	SuctionFanDuty	Roll PVC Thick1 Small	ENG	[20 to 100 / 50 / 10%]
1-957-002	SuctionFanDuty	Roll PVC Thick1 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-003	SuctionFanDuty	Roll PVC Thick1 Large	ENG	[20 to 100 / 30 / 10%]
1-957-004	SuctionFanDuty	Roll PVC Thick1 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-005	SuctionFanDuty	Roll PVC Thick2 Small	ENG	[20 to 100 / 50 / 10%]
1-957-006	SuctionFanDuty	Roll PVC Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-007	SuctionFanDuty	Roll PVC Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-008	SuctionFanDuty	Roll PVC Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-009	SuctionFanDuty	Roll PVC Thick3 Small	ENG	[20 to 100 / 50 / 10%]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-010	SuctionFanDuty	Roll PVC Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-011	SuctionFanDuty	Roll PVC Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-012	SuctionFanDuty	Roll PVC Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-013	SuctionFanDuty	Roll PVC Thick4 Small	ENG	[20 to 100 / 50 / 10%]
1-957-014	SuctionFanDuty	Roll PVC Thick4 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-015	SuctionFanDuty	Roll PVC Thick4 Large	ENG	[20 to 100 / 30 / 10%]
1-957-016	SuctionFanDuty	Roll PVC Thick4 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-017	SuctionFanDuty	Roll PVC Thick5 Small	ENG	[20 to 100 / 50 / 10%]
1-957-018	SuctionFanDuty	Roll PVC Thick5 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-019	SuctionFanDuty	Roll PVC Thick5 Large	ENG	[20 to 100 / 30 / 10%]
1-957-020	SuctionFanDuty	Roll PVC Thick5 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-021	SuctionFanDuty	Roll PET Thick1 Small	ENG	[20 to 100 / 50 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-022	SuctionFanDuty	Roll PET Thick1 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-023	SuctionFanDuty	Roll PET Thick1 Large	ENG	[20 to 100 / 30 / 10%]
1-957-024	SuctionFanDuty	Roll PET Thick1 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-025	SuctionFanDuty	Roll PET Thick2 Small	ENG	[20 to 100 / 50 / 10%]
1-957-026	SuctionFanDuty	Roll PET Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-027	SuctionFanDuty	Roll PET Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-028	SuctionFanDuty	Roll PET Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-029	SuctionFanDuty	Roll PET Thick3 Small	ENG	[20 to 100 / 50 / 10%]
1-957-030	SuctionFanDuty	Roll PET Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-031	SuctionFanDuty	Roll PET Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-032	SuctionFanDuty	Roll PET Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-033	SuctionFanDuty	Roll PET Thick4 Small	ENG	[20 to 100 / 60 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-034	SuctionFanDuty	Roll PET Thick4 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-035	SuctionFanDuty	Roll PET Thick4 Large	ENG	[20 to 100 / 40 / 10%]
1-957-036	SuctionFanDuty	Roll PET Thick4 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-037	SuctionFanDuty	Roll PET Thick5 Small	ENG	[20 to 100 / 60 / 10%]
1-957-038	SuctionFanDuty	Roll PET Thick5 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-039	SuctionFanDuty	Roll PET Thick5 Large	ENG	[20 to 100 / 40 / 10%]
1-957-040	SuctionFanDuty	Roll PET Thick5 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-041	SuctionFanDuty	Roll Synthetic Thick1 Small	ENG	[20 to 100 / 40 / 10%]
1-957-042	SuctionFanDuty	Roll Synthetic Thick1 Medium	ENG	[20 to 100 / 30 / 10%]
1-957-043	SuctionFanDuty	Roll Synthetic Thick1 Large	ENG	[20 to 100 / 20 / 10%]
1-957-044	SuctionFanDuty	Roll Synthetic Thick1 ExtraLarge	ENG	[20 to 100 / 20 / 10%]
1-957-045	SuctionFanDuty	Roll Synthetic Thick2 Small	ENG	[20 to 100 / 40 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-046	SuctionFanDuty	Roll Synthetic Thick2 Medium	ENG	[20 to 100 / 30 / 10%]
1-957-047	SuctionFanDuty	Roll Synthetic Thick2 Large	ENG	[20 to 100 / 20 / 10%]
1-957-048	SuctionFanDuty	Roll Synthetic Thick2 ExtraLarge	ENG	[20 to 100 / 20 / 10%]
1-957-049	SuctionFanDuty	Roll Synthetic Thick3 Small	ENG	[20 to 100 / 50 / 10%]
1-957-050	SuctionFanDuty	Roll Synthetic Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-051	SuctionFanDuty	Roll Synthetic Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-052	SuctionFanDuty	Roll Synthetic Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-053	SuctionFanDuty	Roll Synthetic Thick4 Small	ENG	[20 to 100 / 60 / 10%]
1-957-054	SuctionFanDuty	Roll Synthetic Thick4 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-055	SuctionFanDuty	Roll Synthetic Thick4 Large	ENG	[20 to 100 / 40 / 10%]
1-957-056	SuctionFanDuty	Roll Synthetic Thick4 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-057	SuctionFanDuty	Roll Synthetic Thick5 Small	ENG	[20 to 100 / 60 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-058	SuctionFanDuty	Roll Synthetic Thick5 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-059	SuctionFanDuty	Roll Synthetic Thick5 Large	ENG	[20 to 100 / 40 / 10%]
1-957-060	SuctionFanDuty	Roll Synthetic Thick5 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-061	SuctionFanDuty	Roll Coated Thick1 Small	ENG	[20 to 100 / 50 / 10%]
1-957-062	SuctionFanDuty	Roll Coated Thick1 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-063	SuctionFanDuty	Roll Coated Thick1 Large	ENG	[20 to 100 / 30 / 10%]
1-957-064	SuctionFanDuty	Roll Coated Thick1 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-065	SuctionFanDuty	Roll Coated Thick2 Small	ENG	[20 to 100 / 50 / 10%]
1-957-066	SuctionFanDuty	Roll Coated Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-067	SuctionFanDuty	Roll Coated Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-068	SuctionFanDuty	Roll Coated Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-069	SuctionFanDuty	Roll Coated Thick3 Small	ENG	[20 to 100 / 50 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-070	SuctionFanDuty	Roll Coated Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-071	SuctionFanDuty	Roll Coated Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-072	SuctionFanDuty	Roll Coated Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-073	SuctionFanDuty	Roll Coated Thick4 Small	ENG	[20 to 100 / 60 / 10%]
1-957-074	SuctionFanDuty	Roll Coated Thick4 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-075	SuctionFanDuty	Roll Coated Thick4 Large	ENG	[20 to 100 / 40 / 10%]
1-957-076	SuctionFanDuty	Roll Coated Thick4 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-077	SuctionFanDuty	Roll Coated Thick5 Small	ENG	[20 to 100 / 60 / 10%]
1-957-078	SuctionFanDuty	Roll Coated Thick5 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-079	SuctionFanDuty	Roll Coated Thick5 Large	ENG	[20 to 100 / 40 / 10%]
1-957-080	SuctionFanDuty	Roll Coated Thick5 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-081	SuctionFanDuty	Roll Plain Thick1 Small	ENG	[20 to 100 / 50 / 10%]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-082	SuctionFanDuty	Roll Plain Thick1 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-083	SuctionFanDuty	Roll Plain Thick1 Large	ENG	[20 to 100 / 30 / 10%]
1-957-084	SuctionFanDuty	Roll Plain Thick1 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-085	SuctionFanDuty	Roll Plain Thick2 Small	ENG	[20 to 100 / 50 / 10%]
1-957-086	SuctionFanDuty	Roll Plain Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-087	SuctionFanDuty	Roll Plain Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-088	SuctionFanDuty	Roll Plain Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-089	SuctionFanDuty	Roll Plain Thick3 Small	ENG	[20 to 100 / 50 / 10%]
1-957-090	SuctionFanDuty	Roll Plain Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-091	SuctionFanDuty	Roll Plain Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-092	SuctionFanDuty	Roll Plain Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-093	SuctionFanDuty	Roll Plain Thick4 Small	ENG	[20 to 100 / 60 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-094	SuctionFanDuty	Roll Plain Thick4 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-095	SuctionFanDuty	Roll Plain Thick4 Large	ENG	[20 to 100 / 40 / 10%]
1-957-096	SuctionFanDuty	Roll Plain Thick4 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-097	SuctionFanDuty	Roll Plain Thick5 Small	ENG	[20 to 100 / 60 / 10%]
1-957-098	SuctionFanDuty	Roll Plain Thick5 Medium	ENG	[20 to 100 / 50 / 10%]
1-957-099	SuctionFanDuty	Roll Plain Thick5 Large	ENG	[20 to 100 / 40 / 10%]
1-957-100	SuctionFanDuty	Roll Plain Thick5 ExtraLarge	ENG	[20 to 100 / 40 / 10%]
1-957-101	SuctionFanDuty	Roll SoftSignage Thick1 Small	ENG	[20 to 100 / 30 / 10%]
1-957-102	SuctionFanDuty	Roll SoftSignage Thick1 Medium	ENG	[20 to 100 / 20 / 10%]
1-957-103	SuctionFanDuty	Roll SoftSignage Thick1 Large	ENG	[20 to 100 / 20 / 10%]
1-957-104	SuctionFanDuty	Roll SoftSignage Thick1 ExtraLarge	ENG	[20 to 100 / 20 / 10%]
1-957-105	SuctionFanDuty	Roll SoftSignage Thick2 Small	ENG	[20 to 100 / 50 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-106	SuctionFanDuty	Roll SoftSignage Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-107	SuctionFanDuty	Roll SoftSignage Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-108	SuctionFanDuty	Roll SoftSignage Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-109	SuctionFanDuty	Roll SoftSignage Thick3 Small	ENG	[20 to 100 / 50 / 10%]
1-957-110	SuctionFanDuty	Roll SoftSignage Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-111	SuctionFanDuty	Roll SoftSignage Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-112	SuctionFanDuty	Roll SoftSignage Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-113	SuctionFanDuty	Roll SoftSignage Thick4 Small	ENG	[20 to 100 / 50 / 10%]
1-957-114	SuctionFanDuty	Roll SoftSignage Thick4 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-115	SuctionFanDuty	Roll SoftSignage Thick4 Large	ENG	[20 to 100 / 30 / 10%]
1-957-116	SuctionFanDuty	Roll SoftSignage Thick4 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-117	SuctionFanDuty	Roll SoftSignage Thick5 Small	ENG	[20 to 100 / 40 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-118	SuctionFanDuty	Roll SoftSignage Thick5 Medium	ENG	[20 to 100 / 30 / 10%]
1-957-119	SuctionFanDuty	Roll SoftSignage Thick5 Large	ENG	[20 to 100 / 20 / 10%]
1-957-120	SuctionFanDuty	Roll SoftSignage Thick5 ExtraLarge	ENG	[20 to 100 / 20 / 10%]
1-957-121	SuctionFanDuty	Roll Wallpaper Thick1 Small	ENG	[20 to 100 / 50 / 10%]
1-957-122	SuctionFanDuty	Roll Wallpaper Thick1 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-123	SuctionFanDuty	Roll Wallpaper Thick1 Large	ENG	[20 to 100 / 30 / 10%]
1-957-124	SuctionFanDuty	Roll Wallpaper Thick1 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-125	SuctionFanDuty	Roll Wallpaper Thick2 Small	ENG	[20 to 100 / 50 / 10%]
1-957-126	SuctionFanDuty	Roll Wallpaper Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-127	SuctionFanDuty	Roll Wallpaper Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-128	SuctionFanDuty	Roll Wallpaper Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-129	SuctionFanDuty	Roll Wallpaper Thick3 Small	ENG	[20 to 100 / 50 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-130	SuctionFanDuty	Roll Wallpaper Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-131	SuctionFanDuty	Roll Wallpaper Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-132	SuctionFanDuty	Roll Wallpaper Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-133	SuctionFanDuty	Roll Wallpaper Thick4 Small	ENG	[20 to 100 / 50 / 10%]
1-957-134	SuctionFanDuty	Roll Wallpaper Thick4 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-135	SuctionFanDuty	Roll Wallpaper Thick4 Large	ENG	[20 to 100 / 30 / 10%]
1-957-136	SuctionFanDuty	Roll Wallpaper Thick4 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-137	SuctionFanDuty	Roll Wallpaper Thick5 Small	ENG	[20 to 100 / 50 / 10%]
1-957-138	SuctionFanDuty	Roll Wallpaper Thick5 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-139	SuctionFanDuty	Roll Wallpaper Thick5 Large	ENG	[20 to 100 / 30 / 10%]
1-957-140	SuctionFanDuty	Roll Wallpaper Thick5 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-141	SuctionFanDuty	Roll Canvas Thick1 Small	ENG	[20 to 100 / 50 / 10%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-142	SuctionFanDuty	Roll Canvas Thick1 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-143	SuctionFanDuty	Roll Canvas Thick1 Large	ENG	[20 to 100 / 30 / 10%]
1-957-144	SuctionFanDuty	Roll Canvas Thick1 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-145	SuctionFanDuty	Roll Canvas Thick2 Small	ENG	[20 to 100 / 50 / 10%]
1-957-146	SuctionFanDuty	Roll Canvas Thick2 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-147	SuctionFanDuty	Roll Canvas Thick2 Large	ENG	[20 to 100 / 30 / 10%]
1-957-148	SuctionFanDuty	Roll Canvas Thick2 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-149	SuctionFanDuty	Roll Canvas Thick3 Small	ENG	[20 to 100 / 50 / 10%]
1-957-150	SuctionFanDuty	Roll Canvas Thick3 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-151	SuctionFanDuty	Roll Canvas Thick3 Large	ENG	[20 to 100 / 30 / 10%]
1-957-152	SuctionFanDuty	Roll Canvas Thick3 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-153	SuctionFanDuty	Roll Canvas Thick4 Small	ENG	[20 to 100 / 50 / 10%]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
1-957-154	SuctionFanDuty	Roll Canvas Thick4 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-155	SuctionFanDuty	Roll Canvas Thick4 Large	ENG	[20 to 100 / 30 / 10%]
1-957-156	SuctionFanDuty	Roll Canvas Thick4 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-157	SuctionFanDuty	Roll Canvas Thick5 Small	ENG	[20 to 100 / 50 / 10%]
1-957-158	SuctionFanDuty	Roll Canvas Thick5 Medium	ENG	[20 to 100 / 40 / 10%]
1-957-159	SuctionFanDuty	Roll Canvas Thick5 Large	ENG	[20 to 100 / 30 / 10%]
1-957-160	SuctionFanDuty	Roll Canvas Thick5 ExtraLarge	ENG	[20 to 100 / 30 / 10%]
1-957-161	SuctionFanDuty	Leaf	ENG	[20 to 100 / 50 / 10%]
1-959-001	SuctionFanDutyCurrentSetting		ENG	[1 to 9 / 2 / 1]
1-975-001	Judgment Time of Scan Stop	Delay time	ENG	[-2 to 2 / 0 / 0.1sec]

Main SP Tables-2

SP2-010 to SP2-960

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-010-001	User Maintenance	Cleaning	ENG	[0 to 7 / 0 / 1]
2-010-002	User Maintenance	Refreshing	ENG	[0 to 7 / 0 / 1]
2-010-003	User Maintenance	Waste Ink Path Cleaning Maintenance	ENG	[0 to 2 / 0 / 1]
2-010-004	User Maintenance	Nozzle Cleaning Maintenance	ENG	[0 to 2 / 0 / 1]
2-010-005	User Maintenance	Ink Circulation	ENG	[0 to 1 / 0 / 1]
2-010-006	User Maintenance	Ink Supply Sequence	ENG	[0 to 7 / 0 / 1]
2-010-007	User Maintenance	Carriage Evacuation	ENG	[0 to 2 / 0 / 1]
2-010-008	Special Maintenance	Ink Suction Sequence	ENG	[0 to 7 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-012-001	Initial Operation Setting		ENG *	[0 to 10 / 0 / 1]
2-012-002	Initial Filling Operation	Execute Filling Liquid Extraction 1	ENG	[0 to 7 / 0 / 1]
2-012-003	Initial Filling Operation	Execute Ink Filling	ENG	[0 to 7 / 0 / 1]
2-012-004	Special Maintenance	Execute Air Purge (Flag Rewriting)	ENG	[0 to 7 / 0 / 1]
2-012-005	Special Maintenance	Execute Air Purge (Operating)	ENG	[0 to 7 / 0 / 1]
2-012-006	Special Maintenance	Execute Cleaning Liquid Filling	ENG	[0 to 1 / 0 / 1]
2-013-001	Initial Filling Progress Mng	H1	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-013-002	Initial Filling Progress Mng	H2	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-013-003	Initial Filling Progress Mng	H3	ENG	[0 to 0xFFFFFFFF / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-014-001	FullyAuto CleaningProcess Data	Error Status	ENG	[0 to 0xFF / 0 / 1]
2-015-001	FullyAuto CleaningProcess Mng	H1	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-015-002	FullyAuto CleaningProcess Mng	H2	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-015-003	FullyAuto CleaningProcess Mng	H3	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-016-001	Ink Displacement	Ink Displacing Flag	ENG *	[0 to 1 / 0 / 1]
2-026-001	Soft Count Ink End Detection	ON/OFF	ENG *	[0 to 1 / 1 / 1]
2-026-002	Soft Count Ink End Detection	Detection Threshold	ENG *	[1.3 to 2 / 1.6 / 0.1]
2-026-003	Soft Count Ink End Detection	No. of Detections (Cartridge 1)	ENG *	[0 to 65535 / 0 / 1]
2-026-004	Soft Count Ink End Detection	No. of Detections (Cartridge 2)	ENG *	[0 to 65535 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-026-005	Soft Count Ink End Detection	No. of Detections (Cartridge 3)	ENG *	[0 to 65535 / 0 / 1]
2-026-006	Soft Count Ink End Detection	No. of Detections (Cartridge 4)	ENG *	[0 to 65535 / 0 / 1]
2-026-007	Soft Count Ink End Detection	No. of Detections (Cartridge 5)	ENG *	[0 to 65535 / 0 / 1]
2-026-008	Soft Count Ink End Detection	No. of Detections (Cartridge 6)	ENG *	[0 to 65535 / 0 / 1]
2-026-009	Soft Count Ink End Detection	No. of Detections (Cartridge 7)	ENG *	[0 to 65535 / 0 / 1]
2-026-010	Soft Count Ink End Detection	No. of Detections (Cartridge 8)	ENG *	[0 to 65535 / 0 / 1]
2-090-001	NVClear at SupplyUnit Rep.	Execute NV Value Clear	ENG	[0 to 1 / 0 / 1]
2-090-002	NVClear at CleaningUnit Rep.	Execute NV Value Clear	ENG	[0 to 1 / 0 / 1]
2-100-003	Special Maintenance	Fully Automated Cleaning	ENG	[0 to 7 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-100-006	Special Maintenance	Ink Displacement (Displacement Liquid to Wh)	ENG	[0 to 7 / 0 / 1]
2-100-007	Special Maintenance	Ink Displacement (Wh to Displacement Liquid)	ENG	[0 to 7 / 0 / 1]
2-101-001	Wiper Height Adjustment	Move Wiper	ENG	[0 to 1 / 0 / 1]
2-101-002	Wiper Height Adjustment	Wiper HP Detection	ENG	[0 to 1 / 0 / 1]
2-102-001	Web Takeup Adjustment	Takeup Web	ENG	[0 to 1 / 0 / 1]
2-103-003	Printing Prohibited area	Left Edge	ENG *	[-10 to 85 / 0 / 1mm]
2-103-004	Printing Prohibited area	Right Edge	ENG *	[-10 to 85 / 0 / 1mm]
2-106-001	Carriage Position Adj	Capping Position Correction	ENG	[-12.7 to 12.7 / 0 / 0.1mm]
2-107-001	Print Head Unit Position Adj	Home Position Adjustment	ENG	[-2 to 2 / 0 / 0.1mm]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-194-010	Automatic Adj Executed Result	Result	ENG	[0 to 255 / 0 / 1]
2-194-011	Automatic Adj Executed Result	Executed Count	ENG	[0 to 65535 / 0 / 1times]
2-194-015	Automatic Adj Executed Result	Elapsed Failure Notice Count	ENG	[0 to 65535 / 0 / 1times]
2-230-001	PM Counter Indication (%)	Head 1	ENG *	[0 to 500 / 0 / 1%]
2-230-002	PM Counter Indication (%)	Head 2	ENG *	[0 to 500 / 0 / 1%]
2-230-003	PM Counter Indication (%)	Head 3	ENG *	[0 to 500 / 0 / 1%]
2-230-010	PM Counter Indication (%)	Damper 1	ENG *	[0 to 500 / 0 / 1%]
2-230-011	PM Counter Indication (%)	Damper 2	ENG *	[0 to 500 / 0 / 1%]
2-230-012	PM Counter Indication (%)	Damper 3	ENG *	[0 to 500 / 0 / 1%]
2-230	PM Counter Indication (%)	Supply Unit Pump 1	ENG *	[0 to 500 / 0 / 1%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-020				
2-230-021	PM Counter Indication (%)	Supply Unit Pump 2	ENG *	[0 to 500 / 0 / 1%]
2-230-022	PM Counter Indication (%)	Supply Unit Pump 3	ENG *	[0 to 500 / 0 / 1%]
2-230-023	PM Counter Indication (%)	Supply Unit Pump 4	ENG *	[0 to 500 / 0 / 1%]
2-230-024	PM Counter Indication (%)	Supply Unit Pump 5	ENG *	[0 to 500 / 0 / 1%]
2-230-025	PM Counter Indication (%)	Supply Unit Pump 6	ENG *	[0 to 500 / 0 / 1%]
2-230-026	PM Counter Indication (%)	Supply Unit Pump 7	ENG *	[0 to 500 / 0 / 1%]
2-230-027	PM Counter Indication (%)	Supply Unit Pump 8	ENG *	[0 to 500 / 0 / 1%]
2-230-028	PM Counter Indication (%)	Supply Unit Pump 9	ENG *	[0 to 500 / 0 / 1%]
2-230	PM Counter Indication (%)	Supply Unit Pump 10	ENG *	[0 to 500 / 0 / 1%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-029				
2-230-030	PM Counter Indication (%)	Supply Unit Pump 11	ENG *	[0 to 500 / 0 / 1%]
2-230-031	PM Counter Indication (%)	Supply Unit Pump 12	ENG *	[0 to 500 / 0 / 1%]
2-230-040	PM Counter Indication (%)	Filter 1	ENG *	[0 to 500 / 0 / 1%]
2-230-041	PM Counter Indication (%)	Filter 2	ENG *	[0 to 500 / 0 / 1%]
2-230-042	PM Counter Indication (%)	Filter 3	ENG *	[0 to 500 / 0 / 1%]
2-230-043	PM Counter Indication (%)	Filter 4	ENG *	[0 to 500 / 0 / 1%]
2-230-044	PM Counter Indication (%)	Filter 5	ENG *	[0 to 500 / 0 / 1%]
2-230-045	PM Counter Indication (%)	Filter 6	ENG *	[0 to 500 / 0 / 1%]
2-230	PM Counter Indication (%)	Filter 7	ENG *	[0 to 500 / 0 / 1%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-046				
2-230-047	PM Counter Indication (%)	Filter 8	ENG *	[0 to 500 / 0 / 1%]
2-230-060	PM Counter Indication (%)	Cap 1	ENG *	[0 to 500 / 0 / 1%]
2-230-061	PM Counter Indication (%)	Cap 2	ENG *	[0 to 500 / 0 / 1%]
2-230-062	PM Counter Indication (%)	Cap 3	ENG *	[0 to 500 / 0 / 1%]
2-230-070	PM Counter Indication (%)	Maintenance Pump 1	ENG *	[0 to 500 / 0 / 1%]
2-230-071	PM Counter Indication (%)	Maintenance Pump 2	ENG *	[0 to 500 / 0 / 1%]
2-230-072	PM Counter Indication (%)	Maintenance Pump 3	ENG *	[0 to 500 / 0 / 1%]
2-230-080	PM Counter Indication (%)	Cleaning Pump	ENG *	[0 to 500 / 0 / 1%]
2-231	PM Counter Indication (day)	Head 1	ENG *	[0 to 0xFFFFFFFF /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-001				0 / 1day]
2-231-002	PM Counter Indication (day)	Head 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-003	PM Counter Indication (day)	Head 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-010	PM Counter Indication (day)	Damper 1	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-011	PM Counter Indication (day)	Damper 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-012	PM Counter Indication (day)	Damper 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-020	PM Counter Indication (kpulse)	Supply Unit Pump 1	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-021	PM Counter Indication (kpulse)	Supply Unit Pump 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-022	PM Counter Indication (kpulse)	Supply Unit Pump 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-	PM Counter Indication (kpulse)	Supply Unit Pump 4	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
023				
2-231-024	PM Counter Indication (kpulse)	Supply Unit Pump 5	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-025	PM Counter Indication (kpulse)	Supply Unit Pump 6	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-026	PM Counter Indication (kpulse)	Supply Unit Pump 7	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-027	PM Counter Indication (kpulse)	Supply Unit Pump 8	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-028	PM Counter Indication (kpulse)	Supply Unit Pump 9	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-029	PM Counter Indication (kpulse)	Supply Unit Pump 10	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-030	PM Counter Indication (kpulse)	Supply Unit Pump 11	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-031	PM Counter Indication (kpulse)	Supply Unit Pump 12	ENG *	[0 to 0xFFFFFFFF / 0 / 1kpulse]
2-231-	PM Counter Indication	Filter 1	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040				
2-231-041	PM Counter Indication	Filter 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-042	PM Counter Indication	Filter 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-043	PM Counter Indication	Filter 4	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-044	PM Counter Indication	Filter 5	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-045	PM Counter Indication	Filter 6	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-046	PM Counter Indication	Filter 7	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-047	PM Counter Indication	Filter 8	ENG *	[0 to 0xFFFFFFFF / 0 / 1sec]
2-231-060	PM Counter Indication (day)	Cap 1	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-	PM Counter Indication (day)	Cap 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
061				
2-231-062	PM Counter Indication (day)	Cap 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-070	PM Counter Indication (day)	Maintenance Pump 1	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-071	PM Counter Indication (day)	Maintenance Pump 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-072	PM Counter Indication (day)	Maintenance Pump 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-231-080	PM Counter Indication (day)	Cleaning Pump	ENG *	[0 to 0xFFFFFFFF / 0 / 1day]
2-232-001	PM Counter Reset	Head 1	ENG	[0 to 1 / 0 / 1]
2-232-002	PM Counter Reset	Head 2	ENG	[0 to 1 / 0 / 1]
2-232-003	PM Counter Reset	Head 3	ENG	[0 to 1 / 0 / 1]
2-232-	PM Counter Reset	Damper 1	ENG	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
2-232-011	PM Counter Reset	Damper 2	ENG	[0 to 1 / 0 / 1]
2-232-012	PM Counter Reset	Damper 3	ENG	[0 to 1 / 0 / 1]
2-232-020	PM Counter Reset	Supply Unit Pump 1	ENG	[0 to 1 / 0 / 1]
2-232-021	PM Counter Reset	Supply Unit Pump 2	ENG	[0 to 1 / 0 / 1]
2-232-022	PM Counter Reset	Supply Unit Pump 3	ENG	[0 to 1 / 0 / 1]
2-232-023	PM Counter Reset	Supply Unit Pump 4	ENG	[0 to 1 / 0 / 1]
2-232-024	PM Counter Reset	Supply Unit Pump 5	ENG	[0 to 1 / 0 / 1]
2-232-025	PM Counter Reset	Supply Unit Pump 6	ENG	[0 to 1 / 0 / 1]
2-232-026	PM Counter Reset	Supply Unit Pump 7	ENG	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-232-027	PM Counter Reset	Supply Unit Pump 8	ENG	[0 to 1 / 0 / 1]
2-232-028	PM Counter Reset	Supply Unit Pump 9	ENG	[0 to 1 / 0 / 1]
2-232-029	PM Counter Reset	Supply Unit Pump 10	ENG	[0 to 1 / 0 / 1]
2-232-030	PM Counter Reset	Supply Unit Pump 11	ENG	[0 to 1 / 0 / 1]
2-232-031	PM Counter Reset	Supply Unit Pump 12	ENG	[0 to 1 / 0 / 1]
2-232-040	PM Counter Reset	Filter 1	ENG	[0 to 1 / 0 / 1]
2-232-041	PM Counter Reset	Filter 2	ENG	[0 to 1 / 0 / 1]
2-232-042	PM Counter Reset	Filter 3	ENG	[0 to 1 / 0 / 1]
2-232-043	PM Counter Reset	Filter 4	ENG	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-232-044	PM Counter Reset	Filter 5	ENG	[0 to 1 / 0 / 1]
2-232-045	PM Counter Reset	Filter 6	ENG	[0 to 1 / 0 / 1]
2-232-046	PM Counter Reset	Filter 7	ENG	[0 to 1 / 0 / 1]
2-232-047	PM Counter Reset	Filter 8	ENG	[0 to 1 / 0 / 1]
2-232-060	PM Counter Reset	Cap 1	ENG	[0 to 1 / 0 / 1]
2-232-061	PM Counter Reset	Cap 2	ENG	[0 to 1 / 0 / 1]
2-232-062	PM Counter Reset	Cap 3	ENG	[0 to 1 / 0 / 1]
2-232-070	PM Counter Reset	Maintenance Pump 1	ENG	[0 to 1 / 0 / 1]
2-232-071	PM Counter Reset	Maintenance Pump 2	ENG	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-232-072	PM Counter Reset	Maintenance Pump 3	ENG	[0 to 1 / 0 / 1]
2-232-080	PM Counter Reset	Cleaning Pump	ENG	[0 to 1 / 0 / 1]
2-233-001	Parts Exchange Threshold	Head	ENG *	[1 to 65535 / 1460 / 1day]
2-233-002	Parts Exchange Threshold	Maintenance Pump	ENG *	[1 to 65535 / 365 / 1day]
2-233-003	Parts Exchange Threshold	Supply Unit Pump	ENG *	[1 to 4294967295 / 361330 / 1kpulse]
2-233-004	Parts Exchange Threshold	Cleaning Pump	ENG *	[1 to 65535 / 365 / 1day]
2-233-006	Parts Exchange Threshold	Cap	ENG *	[1 to 65535 / 365 / 1day]
2-233-007	Parts Exchange Threshold	Damper	ENG *	[1 to 65535 / 365 / 1day]
2-233-040	Parts Exchange Threshold	Filter 1	ENG *	[1 to 4294967295 / 30833 / 1sec]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-233-041	Parts Exchange Threshold	Filter 2	ENG *	[1 to 4294967295 / 30833 / 1sec]
2-233-042	Parts Exchange Threshold	Filter 3	ENG *	[1 to 4294967295 / 70833 / 1sec]
2-233-043	Parts Exchange Threshold	Filter 4	ENG *	[1 to 4294967295 / 70833 / 1sec]
2-233-044	Parts Exchange Threshold	Filter 5	ENG *	[1 to 4294967295 / 42333 / 1sec]
2-233-045	Parts Exchange Threshold	Filter 6	ENG *	[1 to 4294967295 / 42333 / 1sec]
2-233-046	Parts Exchange Threshold	Filter 7	ENG *	[1 to 4294967295 / 63333 / 1sec]
2-233-047	Parts Exchange Threshold	Filter 8	ENG *	[1 to 4294967295 / 63333 / 1sec]
2-233-048	Parts Exchange Threshold	Filter 1 4CW	ENG *	[1 to 4294967295 / 27333 / 1sec]
2-233-049	Parts Exchange Threshold	Filter 2 4CW	ENG *	[1 to 4294967295 / 50333 / 1sec]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-233-050	Parts Exchange Threshold	Filter 3 4CW	ENG *	[1 to 4294967295 / 34000 / 1sec]
2-233-051	Parts Exchange Threshold	Filter 4 4CW	ENG *	[1 to 4294967295 / 46000 / 1sec]
2-233-052	Parts Exchange Threshold	Filter 5 4CW	ENG *	[1 to 4294967295 / 116166 / 1sec]
2-233-053	Parts Exchange Threshold	Filter 6 4CW	ENG *	[1 to 4294967295 / 116166 / 1sec]
2-233-054	Parts Exchange Threshold	Filter 7 4CW	ENG *	[1 to 4294967295 / 116166 / 1sec]
2-233-055	Parts Exchange Threshold	Filter 8 4CW	ENG *	[1 to 4294967295 / 116166 / 1sec]
2-247-001	Ink Supply Seq.ProgressControl	H1	ENG	[0 to 255 / 0 / 1]
2-247-002	Ink Supply Seq.ProgressControl	H2	ENG	[0 to 255 / 0 / 1]
2-247-003	Ink Supply Seq.ProgressControl	H3	ENG	[0 to 255 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-254-001	Web Near End Threshold	Residual Qty. Ratio	ENG *	[0 to 80 / 20 / 1%]
2-255-001	Web End Detection Threshold	Residual Qty. Ratio	ENG *	[0 to 80 / 2 / 1%]
2-256-001	Ink Near End Threshold	Residual Qty. Ratio K	ENG *	[0 to 80 / 35 / 1%]
2-256-002	Ink Near End Threshold	Residual Qty. Ratio C	ENG *	[0 to 80 / 35 / 1%]
2-256-003	Ink Near End Threshold	Residual Qty. Ratio M	ENG *	[0 to 80 / 35 / 1%]
2-256-004	Ink Near End Threshold	Residual Qty. Ratio Y	ENG *	[0 to 80 / 35 / 1%]
2-256-007	Ink Near End Threshold	Residual Qty. Ratio Wh	ENG *	[0 to 80 / 35 / 1%]
2-256-010	Ink Near End Threshold	Residual Qty. Ratio Cleaning Liquid	ENG *	[0 to 80 / 20 / 1%]
2-256-011	Ink Near End Threshold	Residual Qty. Ratio Displacement Liquid	ENG *	[0 to 80 / 35 / 1%]
2-	Ink End Level	Cartridge 1	ENG	[0 to 8 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
257-001			*	
2-257-002	Ink End Level	Cartridge 2	ENG *	[0 to 8 / 0 / 1]
2-257-003	Ink End Level	Cartridge 3	ENG *	[0 to 8 / 0 / 1]
2-257-004	Ink End Level	Cartridge 4	ENG *	[0 to 8 / 0 / 1]
2-257-005	Ink End Level	Cartridge 5	ENG *	[0 to 8 / 0 / 1]
2-257-006	Ink End Level	Cartridge 6	ENG *	[0 to 8 / 0 / 1]
2-257-007	Ink End Level	Cartridge 7	ENG *	[0 to 8 / 0 / 1]
2-257-008	Ink End Level	Cartridge 8	ENG *	[0 to 8 / 0 / 1]
2-257-009	Ink End Level	Cleaning Liquid	ENG *	[0 to 8 / 0 / 1]
2-	Ink Filled Volume	Cartridge 1	ENG	[0 to 6553.5 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
258-001			*	0 / 0.1ml]
2-258-002	Ink Filled Volume	Cartridge 2	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-003	Ink Filled Volume	Cartridge 3	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-004	Ink Filled Volume	Cartridge 4	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-005	Ink Filled Volume	Cartridge 5	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-006	Ink Filled Volume	Cartridge 6	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-007	Ink Filled Volume	Cartridge 7	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-008	Ink Filled Volume	Cartridge 8	ENG *	[0 to 6553.5 / 0 / 0.1ml]
2-258-009	Ink Filled Volume	Cleaning Liquid	ENG *	[0 to 655.35 / 0 / 0.01ml]
2-	Front Cover Open	Recovery Flag H1	ENG	[0 to 7 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
259-001				
2-259-002	Front Cover Open	Recovery Flag H2	ENG	[0 to 3 / 0 / 1]
2-259-003	Front Cover Open	Recovery Flag H3	ENG	[0 to 3 / 0 / 1]
2-259-007	Front Cover Open	Air Purge Flag H1	ENG	[0 to 1 / 0 / 1]
2-259-008	Front Cover Open	Air Purge Flag H2	ENG	[0 to 1 / 0 / 1]
2-259-009	Front Cover Open	Air Purge Flag H3	ENG	[0 to 1 / 0 / 1]
2-259-010	Front Cover Open	Cleaning Flag after Air Purge H1	ENG	[0 to 1 / 0 / 1]
2-259-011	Front Cover Open	Cleaning Flag after Air Purge H2	ENG	[0 to 1 / 0 / 1]
2-259-012	Front Cover Open	Cleaning Flag after Air Purge H3	ENG	[0 to 1 / 0 / 1]
2-260	Web End Level	Web	ENG *	[0 to 8 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-001				
2-261-001	Web Full Length		ENG *	[0 to 65535 / 45000 / 1mm]
2-262-001	After Web Replacement	Takeup Amount for Slack Prevention	ENG *	[1 to 100 / 50 / 1pulse]
2-263-001	Ink End Threshold	Residual Qty. Ratio Cleaning liquid	ENG *	[0 to 80 / 5 / 1%]
2-264-001	Web Replacement	Web Replacement Flag	ENG *	[0 to 1 / 0 / 1]
2-270-001	Air Purge Setting	Time Change Flag H1	ENG	[0 to 1 / 0 / 1]
2-270-002	Air Purge Setting	Time Change Flag H2	ENG	[0 to 1 / 0 / 1]
2-270-003	Air Purge Setting	Time Change Flag H3	ENG	[0 to 1 / 0 / 1]
2-307-004	Supply Unit Stop Time	Pump Stop Time P1	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307	Supply Unit Stop Time	Pump Stop Time P2	ENG	[0 to 0xFFFFFFFF /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-005				0 / 1]
2-307-006	Supply Unit Stop Time	Pump Stop Time P3	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-007	Supply Unit Stop Time	Pump Stop Time P4	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-008	Supply Unit Stop Time	Pump Stop Time P5	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-009	Supply Unit Stop Time	Pump Stop Time P6	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-010	Supply Unit Stop Time	Pump Stop Time P7	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-011	Supply Unit Stop Time	Pump Stop Time P8	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-012	Supply Unit Stop Time	Pump Stop Time P9	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-013	Supply Unit Stop Time	Pump Stop Time P10	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-307-	Supply Unit Stop Time	Pump Stop Time P11	ENG	[0 to 0xFFFFFFFF / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
2-307-015	Supply Unit Stop Time	Pump Stop Time P12	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-308-001	Supply Unit Operation Duty	C Setting 1	ENG	[0 to 55 / 21 / 1C]
2-308-002	Supply Unit Operation Duty	C Setting 2	ENG	[0 to 55 / 27 / 1C]
2-308-003	Supply Unit Operation Duty	C Setting 3	ENG	[0 to 55 / 40 / 1C]
2-308-004	Supply Unit Operation pps	C<Pump pps 1	ENG	[100 to 900 / 680 / 1pps]
2-308-005	Supply Unit Operation pps	1≤C<Pump pps 2	ENG	[100 to 900 / 680 / 1pps]
2-308-006	Supply Unit Operation pps	2≤C<Pump pps 3	ENG	[100 to 900 / 680 / 1pps]
2-308-007	Supply Unit Operation pps	3≤C<Pump pps	ENG	[100 to 900 / 680 / 1pps]
2-308-	Supply Unit Operation pps	Air Purge Pump pps	ENG	[100 to 900 / 520 / 1pps]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
2-308-010	Supply Unit Operation pps	Circulation Pump pps	ENG	[100 to 900 / 220 / 1pps]
2-308-011	Supply Unit Operation pps	Initial Filling Pump pps	ENG	[100 to 900 / 680 / 1pps]
2-308-012	Supply Unit Operation pps	PpsAddCorr.Val. for ContinuousInkSupply	ENG	[0 to 255 / 0 / 1pps]
2-309-003	Reversal Rotate at Ink End	Supply Pump Reversal Rotate Time	ENG	[0 to 10 / 1.8 / 0.1sec]
2-310-002	Cleaning Unit Stop Time	Cleaning Pump Stop Time P1	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-311-001	Cleaning Unit Operation Duty	C Setting 1	ENG	[0 to 55 / 21 / 1C]
2-311-002	Cleaning Unit Operation Duty	C Setting 2	ENG	[0 to 55 / 27 / 1C]
2-311-003	Cleaning Unit Operation Duty	C Setting 3	ENG	[0 to 55 / 40 / 1C]
2-311-004	Cleaning Unit Operation Duty	C<Pump Duty 1	ENG	[50.1 to 80 / 62.5 / 0.1%]
2-311-005	Cleaning Unit Operation Duty	1<C<Pump Duty 2	ENG	[50.1 to 80 / 62.5 / 0.1%]
2-	Cleaning Unit	2<C<Pump Duty 3	ENG	[50.1 to 80 /

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
311-006	Operation Duty			62.5 / 0.1%]
2-311-007	Cleaning Unit Operation Duty	3<C Pump Duty	ENG	[50.1 to 80 / 62.5 / 0.1%]
2-400-001	NV Clear at Head Replacement		ENG	[0 to 7 / 0 / 1]
2-507-001	Waste Ink Related Threshold	Change Waste Ink Tank Full Threshold	ENG *	[1 to 10080 / 1600 / 1ml]
2-507-002	Waste Ink Related Threshold	Change Waste Ink Tank NearFull Threshold	ENG *	[1 to 100 / 80 / 1%]
2-507-015	Waste Ink Related Threshold	Flushing Cap Suction Thresh during Print	ENG	[0 to 10 / 0.1 / 0.01ml]
2-510-001	Ink Displacement	Displacement Mode	ENG *	[0 to 1 / 0 / 1]
2-510-002	Ink Displacement	Change Displaced Head Suction Rate	ENG	[1 to 20 / 1.4 / 0.1]
2-510-003	Ink Displacement	Displaced Head Memory	ENG *	[0 to 7 / 0 / 1]
2-512-	Mainten. duringStandby Freq.	Flushing duringStandby	ENG *	[1 to 10 / 1 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
2-512-002	Mainten. duringStandby Freq.	Cleaning duringStandby	ENG *	[1 to 10 / 1 / 1]
2-512-004	Mainten. duringStandby Freq.	Cleaning (Wh) duringStandby	ENG *	[1 to 10 / 1 / 1]
2-512-005	Mainten. duringStandby Freq.	Circulation	ENG *	[1 to 10 / 3 / 1]
2-513-001	Mainten. duringStandby Thresh.	Flushing duringStandby Lv1	ENG *	[1 to 10080 / 30 / 1min]
2-513-002	Mainten. afterLeftover Thresh.	Flushing duringStandby Lv2	ENG *	[1 to 10080 / 20 / 1min]
2-513-003	Mainten. afterLeftover Thresh.	Cleaning duringStandby Lv1	ENG *	[1 to 10080 / 720 / 1min]
2-513-005	Mainten. afterLeftover Thresh.	Cleaning duringStandby Lv2	ENG *	[1 to 10080 / 360 / 1min]
2-513-007	Mainten. afterLeftover Thresh.	Flushing duringStandby Lv3	ENG *	[1 to 10080 / 10 / 1min]
2-513-	Mainten. afterLeftover Thresh.	Cleaning duringStandby Lv3	ENG *	[1 to 10080 / 180 / 1min]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				
2-513-012	Mainten. afterLeftover Thresh.	Cleaning (Wh) duringStandby Lv1	ENG *	[1 to 10080 / 240 / 1min]
2-513-013	Mainten. afterLeftover Thresh.	Cleaning (Wh) duringStandby Lv2	ENG *	[1 to 10080 / 120 / 1min]
2-513-014	Mainten. afterLeftover Thresh.	Cleaning (Wh) duringStandby Lv3	ENG *	[1 to 10080 / 60 / 1min]
2-513-015	Mainten. duringCirc. Thresh.	Circulation Lv1	ENG *	[1 to 10080 / 180 / 1min]
2-513-016	Mainten. duringCirc. Thresh.	Circulation Lv2	ENG *	[1 to 10080 / 120 / 1min]
2-513-017	Mainten. duringCirc. Thresh.	Circulation Lv3	ENG *	[1 to 10080 / 60 / 1min]
2-513-018	Mainten. duringStandby Thresh.	Ink Supply Seq. duringStandby	ENG *	[1 to 2047 / 7 / 1day]
2-513-019	Mainten. duringStandby Thresh.	Reversal Wiping	ENG	[1 to 10080 / 60 / 1min]
2-514-	AutoCleaning Start Threshold	Nozzle Surface Cleaning	ENG	[0 to 64800 / 540 / 1sec]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
2-514-006	AutoCleaning Start Threshold	Cleaning	ENG	[0 to 64800 / 1080 / 1sec]
2-514-007	AutoCleaning Start Threshold	Refreshing	ENG	[0 to 64800 / 7800 / 1sec]
2-514-008	AutoCleaning Start Threshold	(DuringCol.Meas.) Nozzle Surface Cleaning	ENG	[0 to 64800 / 540 / 1sec]
2-514-009	AutoCleaning Start Threshold	(DuringCol.Meas.) Cleaning	ENG	[0 to 64800 / 1080 / 1sec]
2-514-010	AutoCleaning Start Threshold	(DuringCol.Meas.) Refreshing	ENG	[0 to 64800 / 7800 / 1sec]
2-515-001	Wh Cartridge Threshold	Elapsed Time from Last Replacement	ENG *	[1 to 10080 / 1200 / 1min]
2-515-003	Last Replacement Time	Cartridge 1	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-515-004	Last Replacement Time	Cartridge 2	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-515-	Last Replacement Time	Cartridge 3	ENG *	[0 to 0xFFFFFFFF / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
005				
2-515-006	Last Replacement Time	Cartridge 4	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-515-007	Last Replacement Time	Cartridge 5	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-515-008	Last Replacement Time	Cartridge 6	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-515-009	Last Replacement Time	Cartridge 7	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-515-010	Last Replacement Time	Cartridge 8	ENG *	[0 to 0xFFFFFFFF / 0 / 1]
2-516-003	Automatic Cleaning OFF/ON	Automatic Cleaning: Nozzle Surface Cleaning	ENG	[0 to 1 / 1 / 1]
2-516-007	Automatic Cleaning OFF/ON	Automatic Cleaning: Cleaning	ENG	[0 to 1 / 1 / 1]
2-516-009	Automatic Cleaning OFF/ON	Automatic Cleaning: Refreshing	ENG	[0 to 1 / 0 / 1]
2-516-	Automatic Cleaning OFF/ON	DuringCol.Meas.:AutoCleaning:NozzleSurface	ENG	[0 to 1 / 1 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
2-516-011	Automatic Cleaning OFF/ON	DuringCol.Meas.:AutoCleaning:Cleaning	ENG	[0 to 1 / 1 / 1]
2-516-012	Automatic Cleaning OFF/ON	DuringCol.Meas.:AutoCleaning:Refreshing	ENG	[0 to 1 / 0 / 1]
2-517-001	AutoCL Counter Coefficient	Temperature Coefficient A	ENG	[0.5 to 50 / 0.8 / 0.1]
2-517-002	AutoCL Counter Coefficient	Temperature Coefficient B	ENG	[0.5 to 50 / 0.8 / 0.1]
2-517-003	AutoCL Counter Coefficient	Temperature Coefficient C	ENG	[0.5 to 50 / 0.8 / 0.1]
2-517-004	AutoCL Counter Coefficient	Temperature Coefficient D	ENG	[0.5 to 50 / 2 / 0.1]
2-517-005	AutoCL Counter Coefficient	Temperature Coefficient E	ENG	[0.5 to 50 / 1 / 0.1]
2-517-006	AutoCL Counter Coefficient	Temperature Coefficient F	ENG	[0.5 to 50 / 1 / 0.1]
2-517-007	AutoCL Counter Coefficient	Temperature Coefficient G	ENG	[0.5 to 50 / 1 / 0.1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
2-517-008	AutoCL Counter Coefficient	Temperature Coefficient H	ENG	[0.5 to 50 / 2 / 0.1]
2-517-009	AutoCL Counter Coefficient	Temperature Coefficient I	ENG	[0.5 to 50 / 1.2 / 0.1]
2-517-010	AutoCL Counter Coefficient	Temperature Coefficient J	ENG	[0.5 to 50 / 1.2 / 0.1]
2-517-011	AutoCL Counter Coefficient	Temperature Coefficient K	ENG	[0.5 to 50 / 1.2 / 0.1]
2-517-012	AutoCL Counter Coefficient	Temperature Coefficient L	ENG	[0.5 to 50 / 2 / 0.1]
2-517-013	AutoCL Counter Coefficient	Temperature Coefficient M	ENG	[0.5 to 50 / 2 / 0.1]
2-517-014	AutoCL Counter Coefficient	Temperature Coefficient N	ENG	[0.5 to 50 / 2 / 0.1]
2-517-015	AutoCL Counter Coefficient	Temperature Coefficient O	ENG	[0.5 to 50 / 2 / 0.1]
2-517-016	AutoCL Counter Coefficient	Temperature Coefficient P	ENG	[0.5 to 50 / 2 / 0.1]
2-	AutoCL Counter	Scan Coefficient a	ENG	[0.5 to 50 / 1 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
517-017	Coefficient			0.1]
2-517-018	AutoCL Counter Coefficient	Scan Coefficient b	ENG	[0.5 to 50 / 1 / 0.1]
2-517-019	AutoCL Counter Coefficient	Scan Coefficient c	ENG	[0.5 to 50 / 1 / 0.1]
2-517-020	AutoCL Counter Coefficient	Scan Coefficient d	ENG	[0.5 to 50 / 1 / 0.1]
2-518-001	WasteInkPath Cleaning Thresh.	Elapsed Days	ENG *	[1 to 2047 / 45 / 1day]
2-518-002	User Maintenance Threshold	Cleaning Count	ENG *	[1 to 64800 / 6660 / 1]
2-519-001	Flushing during Printing Set	Interval Setting	ENG	[-300 to 300 / 0 / 0.1sec]
2-520-001	Out of Recommended Temp. Range	High Humidity Banner Display Threshold	ENG	[0 to 100 / 80 / 1%]
2-520-002	Out of Recommended Temp. Range	Low Humidity Banner Display Threshold	ENG	[0 to 100 / 20 / 1%]
2-	Out of	High Humidity Banner Erase Threshold	ENG	[0 to 100 / 75 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
520-003	Recommended Temp. Range			1%]
2-520-004	Out of Recommended Temp. Range	Low Humidity Banner Erase Threshold	ENG	[0 to 100 / 25 / 1%]
2-523-001	Mainten. duringStandby Info.	Last Flushing Time	ENG *	[0 to 4294967295 / 0 / 1min]
2-523-002	Mainten. duringStandby Info.	Last Cleaning Time H1	ENG *	[0 to 4294967295 / 0 / 1min]
2-523-003	Mainten. duringStandby Info.	Last Cleaning Time H2	ENG *	[0 to 4294967295 / 0 / 1min]
2-523-004	Mainten. duringStandby Info.	Last Cleaning Time H3	ENG *	[0 to 4294967295 / 0 / 1min]
2-523-005	Mainten. duringStandby Info.	Last Circulation Time	ENG *	[0 to 4294967295 / 0 / 1min]
2-523-006	Mainten. duringStandby Info.	Last Reversal Wiping Time H1	ENG *	[0 to 4294967295 / 0 / 1min]
2-523-007	Mainten. duringStandby Info.	Last Reversal Wiping Time H2	ENG *	[0 to 4294967295 / 0 / 1min]
2-	Mainten.	Last Reversal Wiping Time H3	ENG	[0 to

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
523-008	duringStandby Info.		*	4294967295 / 0 / 1min]
2-524-001	Mainten. duringStandby Set	Flushing duringStandby ON/OFF Setting	ENG *	[0 to 1 / 1 / 1]
2-524-002	Mainten. duringStandby Set	Cleaning duringStandby ON/OFF Setting	ENG *	[0 to 1 / 1 / 1]
2-524-003	Mainten. duringStandby Set	Circulation duringStandby ON/OFF Setting	ENG *	[0 to 1 / 1 / 1]
2-524-004	Mainten. duringStandby Set	Ink Supply Sequence ON/OFF Setting	ENG *	[0 to 1 / 0 / 1]
2-525-001	Ink Circulation Set	Circulation Time	ENG	[0 to 600 / 60 / 1sec]
2-526-001	Wiping Count	Number of Retry during Adhesion Removal	ENG *	[0 to 10 / 2 / 1]
2-527-001	Cleaning Liquid Filling Set	Pump Operating Period	ENG	[0 to 60 / 30 / 0.01sec]
2-528-001	Nozzle Cleaning Set	Nozzle Cleaning Leaving Time	ENG	[1 to 90 / 10 / 1min]
2-	Nozzle Cleaning	Accumulated Nozzle Immersion Time H1	ENG	[0 to

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
528-002	Info.			0xFFFFFFFF / 0 / 1sec]
2-528-003	Nozzle Cleaning Info.	Accumulated Nozzle Immersion Time H2	ENG	[0 to 0xFFFFFFFF / 0 / 1sec]
2-528-004	Nozzle Cleaning Info.	Accumulated Nozzle Immersion Time H3	ENG	[0 to 0xFFFFFFFF / 0 / 1sec]
2-529-001	WasteInkPath Cleaning Counter	Waste Ink Path Last Cleaning Time	ENG	[0 to 4294967295 / 0 / 1min]
2-530-001	User Maintenance Counter	Cleaning Counter: H1	ENG *	[0 to 999999 / 0 / 1]
2-530-002	User Maintenance Counter	Cleaning Counter: H2	ENG *	[0 to 999999 / 0 / 1]
2-530-003	User Maintenance Counter	Cleaning Counter: H3	ENG *	[0 to 999999 / 0 / 1]
2-531-001	User Maintenance Counter	Execute Cleaning Counter Clear	ENG	[0 to 1 / 0 / 1]
2-532-001	Mainten. Before Print	Last Print Time H1	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-	Mainten. Before	Last Print Time H2	ENG	[0 to

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
532-002	Print			0xFFFFFFFF / 0 / 1]
2-532-003	Mainten. Before Print	Last Print Time H3	ENG	[0 to 0xFFFFFFFF / 0 / 1]
2-532-004	Mainten. Before Print	Threshold Time	ENG	[0 to 10080 / 480 / 1min]
2-540-001	Wiper Blade Cleaning Count		ENG *	[1 to 10 / 1 / 1]
2-705-001	Ink on Normal Operation	Consumption Counter: Damper 1	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-002	Ink on Normal Operation	Consumption Counter: Damper 2	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-003	Ink on Normal Operation	Consumption Counter: Damper 3	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-004	Ink on Normal Operation	Consumption Counter: Damper 4	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-005	Ink on Normal Operation	Consumption Counter: Damper 5	ENG *	[0 to 99999999 / 0 / 1nl]
2-	Ink on Normal	Consumption Counter: Damper 6	ENG	[0 to

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
705-006	Operation		*	99999999 / 0 / 1nl]
2-705-007	Ink on Normal Operation	Consumption Counter: Damper 7	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-008	Ink on Normal Operation	Consumption Counter: Damper 8	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-009	Ink on Normal Operation	Consumption Counter: Damper 9	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-010	Ink on Normal Operation	Consumption Counter: Damper 10	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-011	Ink on Normal Operation	Consumption Counter: Damper 11	ENG *	[0 to 99999999 / 0 / 1nl]
2-705-012	Ink on Normal Operation	Consumption Counter: Damper 12	ENG *	[0 to 99999999 / 0 / 1nl]
2-708-001	Ink after End	Consumption Counter (Cartridge 1)	ENG	[0 to 2550000000 / 0 / 1nl]
2-708-002	Ink after End	Consumption Counter (Cartridge 2)	ENG	[0 to 2550000000 / 0 / 1nl]
2-708	Ink after End	Consumption Counter (Cartridge 3)	ENG	[0 to 2550000000 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-003				0 / 1nl]
2-708-004	Ink after End	Consumption Counter (Cartridge 4)	ENG	[0 to 2550000000 / 0 / 1nl]
2-708-005	Ink after End	Consumption Counter (Cartridge 5)	ENG	[0 to 2550000000 / 0 / 1nl]
2-708-006	Ink after End	Consumption Counter (Cartridge 6)	ENG	[0 to 2550000000 / 0 / 1nl]
2-708-007	Ink after End	Consumption Counter (Cartridge 7)	ENG	[0 to 2550000000 / 0 / 1nl]
2-708-008	Ink after End	Consumption Counter (Cartridge 8)	ENG	[0 to 2550000000 / 0 / 1nl]
2-910-001	Maintenance Mode Setting	Setting 1	ENG *	[0 to 0xFF / 0 / 1]
2-910-002	Maintenance Mode Setting	Setting 2	ENG *	[0 to 0xFF / 0 / 1]
2-910-003	Maintenance Mode Setting	Setting 3	ENG *	[0 to 0xFF / 0 / 1]
2-910	Maintenance Mode Setting	Setting 4	ENG *	[0 to 0xFF / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
-004				
2-910-005	Maintenance Mode Setting	Setting 5	ENG *	[0 to 0xFF / 0 / 1]
2-910-006	Maintenance Mode Setting	Setting 6	ENG *	[0 to 0xFF / 0 / 1]
2-910-007	Maintenance Mode Setting	Setting 7	ENG *	[0 to 0xFF / 0 / 1]
2-910-008	Maintenance Mode Setting	Setting 8	ENG *	[0 to 0xFF / 0 / 1]
2-910-009	Maintenance Mode Setting	Setting 9	ENG *	[0 to 0xFF / 0 / 1]
2-910-010	Maintenance Mode Setting	Setting 10	ENG *	[0 to 0xFF / 0 / 1]
2-910-011	Maintenance Mode Setting	Setting 11	ENG *	[0 to 255 / 0 / 1]
2-910-012	Maintenance Mode Setting	Setting 12	ENG *	[0 to 255 / 0 / 1]
2-910-	Maintenance Mode Setting	Setting 13	ENG *	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				
2-910-014	Maintenance Mode Setting	Setting 14	ENG *	[0 to 255 / 0 / 1]
2-910-015	Maintenance Mode Setting	Setting 15	ENG *	[0 to 255 / 0 / 1]
2-910-016	Maintenance Mode Setting	Setting 16	ENG *	[0 to 255 / 0 / 1]
2-910-017	Maintenance Mode Setting	Setting 17	ENG *	[0 to 255 / 0 / 1]
2-910-018	Maintenance Mode Setting	Setting 18	ENG *	[0 to 255 / 0 / 1]
2-910-019	Maintenance Mode Setting	Setting 19	ENG *	[0 to 255 / 0 / 1]
2-910-020	Maintenance Mode Setting	Setting 20	ENG *	[0 to 255 / 0 / 1]
2-910-021	Maintenance Mode Setting	Setting 21	ENG *	[-128 to 127 / 0 / 1]
2-910-	Maintenance Mode Setting	Setting 22	ENG *	[-128 to 127 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
2-910-023	Maintenance Mode Setting	Setting 23	ENG *	[-128 to 127 / 0 / 1]
2-910-024	Maintenance Mode Setting	Setting 24	ENG *	[-128 to 127 / 0 / 1]
2-910-025	Maintenance Mode Setting	Setting 25	ENG *	[-128 to 127 / 0 / 1]
2-910-026	Maintenance Mode Setting	Setting 26	ENG *	[-128 to 127 / 0 / 1]
2-910-027	Maintenance Mode Setting	Setting 27	ENG *	[-128 to 127 / 0 / 1]
2-910-028	Maintenance Mode Setting	Setting 28	ENG *	[-128 to 127 / 0 / 1]
2-910-029	Maintenance Mode Setting	Setting 29	ENG *	[-128 to 127 / 0 / 1]
2-910-030	Maintenance Mode Setting	Setting 30	ENG *	[-128 to 127 / 0 / 1]
2-960-	Continuous Print Setting	Process Interval	ENG	[0 to 15 / 0 / 0.1sec]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				

Main SP Tables-3

SP3-003 to SP3-010

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-003-001	HeadGapAdj. 6pass	H1DfH1Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-002	HeadGapAdj. 6pass	H1DfH1Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-003	HeadGapAdj. 6pass	H1DfH1Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-004	HeadGapAdj. 6pass	H1DfH2Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-005	HeadGapAdj. 6pass	H1DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-006	HeadGapAdj. 6pass	H1DfH1Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-007	HeadGapAdj. 6pass	H1DfH1Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-008	HeadGapAdj. 6pass	H1DfH1Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-009	HeadGapAdj. 6pass	H1DfH1Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-010	HeadGapAdj. 6pass	H1DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-011	HeadGapAdj. 6pass	H1DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-012	HeadGapAdj. 6pass	H2DfH2Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-013	HeadGapAdj. 6pass	H2DfH2Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-014	HeadGapAdj. 6pass	H2DfH2Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-015	HeadGapAdj. 6pass	H2DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-016	HeadGapAdj. 6pass	H2DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-	HeadGapAdj.	H2DfH2Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	6pass			1dot]
3-003-018	HeadGapAdj. 6pass	H2DfH2Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-019	HeadGapAdj. 6pass	H2DfH2Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-020	HeadGapAdj. 6pass	H2DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-021	HeadGapAdj. 6pass	H3DfH3Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-022	HeadGapAdj. 6pass	H3DfH3Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-023	HeadGapAdj. 6pass	H3DfH3Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-024	HeadGapAdj. 6pass	H3DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-025	HeadGapAdj. 6pass	H3DfH3Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-026	HeadGapAdj. 6pass	H3DfH3Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-027	HeadGapAdj. 6pass	H3DfH3Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-028	HeadGapAdj. 6pass	H1DfH1Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-029	HeadGapAdj. 6pass	H1DfH1Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-030	HeadGapAdj. 6pass	H1DfH1Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-031	HeadGapAdj. 6pass	H1DfH2Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-032	HeadGapAdj. 6pass	H1DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-033	HeadGapAdj. 6pass	H1DfH1Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-034	HeadGapAdj. 6pass	H1DfH1Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-	HeadGapAdj.	H1DfH1Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	6pass			1dot]
3-003-036	HeadGapAdj. 6pass	H1DfH1Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-037	HeadGapAdj. 6pass	H1DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-038	HeadGapAdj. 6pass	H1DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-039	HeadGapAdj. 6pass	H2DfH2Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-040	HeadGapAdj. 6pass	H2DfH2Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-041	HeadGapAdj. 6pass	H2DfH2Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-042	HeadGapAdj. 6pass	H2DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-043	HeadGapAdj. 6pass	H2DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-044	HeadGapAdj. 6pass	H2DfH2Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-045	HeadGapAdj. 6pass	H2DfH2Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-046	HeadGapAdj. 6pass	H2DfH2Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-047	HeadGapAdj. 6pass	H2DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-048	HeadGapAdj. 6pass	H3DfH3Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-049	HeadGapAdj. 6pass	H3DfH3Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-050	HeadGapAdj. 6pass	H3DfH3Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-051	HeadGapAdj. 6pass	H3DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-052	HeadGapAdj. 6pass	H3DfH3Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-	HeadGapAdj.	H3DfH3Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	6pass			1dot]
3-003-054	HeadGapAdj. 6pass	H3DfH3Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-055	HeadGapAdj. 6pass	H1DfH1Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-056	HeadGapAdj. 6pass	H1DfH1Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-057	HeadGapAdj. 6pass	H1DfH1Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-058	HeadGapAdj. 6pass	H1DfH2Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-059	HeadGapAdj. 6pass	H1DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-060	HeadGapAdj. 6pass	H1DfH1Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-061	HeadGapAdj. 6pass	H1DfH1Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-062	HeadGapAdj. 6pass	H1DfH1Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-063	HeadGapAdj. 6pass	H1DfH1Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-064	HeadGapAdj. 6pass	H1DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-065	HeadGapAdj. 6pass	H1DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-066	HeadGapAdj. 6pass	H2DfH2Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-067	HeadGapAdj. 6pass	H2DfH2Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-068	HeadGapAdj. 6pass	H2DfH2Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-069	HeadGapAdj. 6pass	H2DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-070	HeadGapAdj. 6pass	H2DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-	HeadGapAdj.	H2DfH2Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	6pass			1dot]
3-003-072	HeadGapAdj. 6pass	H2DfH2Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-073	HeadGapAdj. 6pass	H2DfH2Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-074	HeadGapAdj. 6pass	H2DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-075	HeadGapAdj. 6pass	H3DfH3Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-076	HeadGapAdj. 6pass	H3DfH3Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-077	HeadGapAdj. 6pass	H3DfH3Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-078	HeadGapAdj. 6pass	H3DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-079	HeadGapAdj. 6pass	H3DfH3Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-080	HeadGapAdj. 6pass	H3DfH3Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-081	HeadGapAdj. 6pass	H3DfH3Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-082	HeadGapAdj. 6pass	H1DfH1Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-083	HeadGapAdj. 6pass	H1DfH1Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-084	HeadGapAdj. 6pass	H1DfH1Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-085	HeadGapAdj. 6pass	H1DfH2Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-086	HeadGapAdj. 6pass	H1DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-087	HeadGapAdj. 6pass	H1DfH1Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-088	HeadGapAdj. 6pass	H1DfH1Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-	HeadGapAdj.	H1DfH1Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	6pass			1dot]
3-003-090	HeadGapAdj. 6pass	H1DfH1Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-091	HeadGapAdj. 6pass	H1DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-092	HeadGapAdj. 6pass	H1DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-093	HeadGapAdj. 6pass	H2DfH2Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-094	HeadGapAdj. 6pass	H2DfH2Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-095	HeadGapAdj. 6pass	H2DfH2Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-096	HeadGapAdj. 6pass	H2DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-097	HeadGapAdj. 6pass	H2DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-098	HeadGapAdj. 6pass	H2DfH2Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-099	HeadGapAdj. 6pass	H2DfH2Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-100	HeadGapAdj. 6pass	H2DfH2Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-101	HeadGapAdj. 6pass	H2DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-102	HeadGapAdj. 6pass	H3DfH3Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-103	HeadGapAdj. 6pass	H3DfH3Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-104	HeadGapAdj. 6pass	H3DfH3Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-105	HeadGapAdj. 6pass	H3DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-106	HeadGapAdj. 6pass	H3DfH3Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-003-	HeadGapAdj.	H3DfH3Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	6pass			1dot]
3-003-108	HeadGapAdj. 6pass	H3DfH3Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-001	HeadGapAdj. 6pass	H1DfH1Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-002	HeadGapAdj. 6pass	H1DfH1Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-003	HeadGapAdj. 6pass	H1DfH1Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-004	HeadGapAdj. 6pass	H1DfH2Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-005	HeadGapAdj. 6pass	H1DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-006	HeadGapAdj. 6pass	H1DfH1Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-007	HeadGapAdj. 6pass	H1DfH1Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-008	HeadGapAdj. 6pass	H1DfH1Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-009	HeadGapAdj. 6pass	H1DfH1Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-010	HeadGapAdj. 6pass	H1DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-011	HeadGapAdj. 6pass	H1DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-012	HeadGapAdj. 6pass	H2DfH2Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-013	HeadGapAdj. 6pass	H2DfH2Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-014	HeadGapAdj. 6pass	H2DfH2Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-015	HeadGapAdj. 6pass	H2DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-016	HeadGapAdj. 6pass	H2DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-	HeadGapAdj.	H2DfH2Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	6pass			1dot]
3-004-018	HeadGapAdj. 6pass	H2DfH2Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-019	HeadGapAdj. 6pass	H2DfH2Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-020	HeadGapAdj. 6pass	H2DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-021	HeadGapAdj. 6pass	H3DfH3Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-022	HeadGapAdj. 6pass	H3DfH3Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-023	HeadGapAdj. 6pass	H3DfH3Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-024	HeadGapAdj. 6pass	H3DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-025	HeadGapAdj. 6pass	H3DfH3Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-026	HeadGapAdj. 6pass	H3DfH3Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-027	HeadGapAdj. 6pass	H3DfH3Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-028	HeadGapAdj. 6pass	H1DfH1Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-029	HeadGapAdj. 6pass	H1DfH1Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-030	HeadGapAdj. 6pass	H1DfH1Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-031	HeadGapAdj. 6pass	H1DfH2Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-032	HeadGapAdj. 6pass	H1DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-033	HeadGapAdj. 6pass	H1DfH1Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-034	HeadGapAdj. 6pass	H1DfH1Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-	HeadGapAdj.	H1DfH1Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	6pass			1dot]
3-004-036	HeadGapAdj. 6pass	H1DfH1Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-037	HeadGapAdj. 6pass	H1DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-038	HeadGapAdj. 6pass	H1DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-039	HeadGapAdj. 6pass	H2DfH2Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-040	HeadGapAdj. 6pass	H2DfH2Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-041	HeadGapAdj. 6pass	H2DfH2Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-042	HeadGapAdj. 6pass	H2DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-043	HeadGapAdj. 6pass	H2DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-044	HeadGapAdj. 6pass	H2DfH2Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-045	HeadGapAdj. 6pass	H2DfH2Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-046	HeadGapAdj. 6pass	H2DfH2Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-047	HeadGapAdj. 6pass	H2DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-048	HeadGapAdj. 6pass	H3DfH3Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-049	HeadGapAdj. 6pass	H3DfH3Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-050	HeadGapAdj. 6pass	H3DfH3Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-051	HeadGapAdj. 6pass	H3DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-052	HeadGapAdj. 6pass	H3DfH3Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-	HeadGapAdj.	H3DfH3Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	6pass			1dot]
3-004-054	HeadGapAdj. 6pass	H3DfH3Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-055	HeadGapAdj. 6pass	H1DfH1Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-056	HeadGapAdj. 6pass	H1DfH1Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-057	HeadGapAdj. 6pass	H1DfH1Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-058	HeadGapAdj. 6pass	H1DfH2Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-059	HeadGapAdj. 6pass	H1DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-060	HeadGapAdj. 6pass	H1DfH1Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-061	HeadGapAdj. 6pass	H1DfH1Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-062	HeadGapAdj. 6pass	H1DfH1Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-063	HeadGapAdj. 6pass	H1DfH1Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-064	HeadGapAdj. 6pass	H1DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-065	HeadGapAdj. 6pass	H1DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-066	HeadGapAdj. 6pass	H2DfH2Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-067	HeadGapAdj. 6pass	H2DfH2Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-068	HeadGapAdj. 6pass	H2DfH2Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-069	HeadGapAdj. 6pass	H2DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-070	HeadGapAdj. 6pass	H2DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-	HeadGapAdj.	H2DfH2Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	6pass			1dot]
3-004-072	HeadGapAdj. 6pass	H2DfH2Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-073	HeadGapAdj. 6pass	H2DfH2Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-074	HeadGapAdj. 6pass	H2DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-075	HeadGapAdj. 6pass	H3DfH3Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-076	HeadGapAdj. 6pass	H3DfH3Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-077	HeadGapAdj. 6pass	H3DfH3Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-078	HeadGapAdj. 6pass	H3DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-079	HeadGapAdj. 6pass	H3DfH3Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-080	HeadGapAdj. 6pass	H3DfH3Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-081	HeadGapAdj. 6pass	H3DfH3Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-082	HeadGapAdj. 6pass	H1DfH1Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-083	HeadGapAdj. 6pass	H1DfH1Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-084	HeadGapAdj. 6pass	H1DfH1Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-085	HeadGapAdj. 6pass	H1DfH2Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-086	HeadGapAdj. 6pass	H1DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-087	HeadGapAdj. 6pass	H1DfH1Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-088	HeadGapAdj. 6pass	H1DfH1Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-	HeadGapAdj.	H1DfH1Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	6pass			1dot]
3-004-090	HeadGapAdj. 6pass	H1DfH1Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-091	HeadGapAdj. 6pass	H1DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-092	HeadGapAdj. 6pass	H1DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-093	HeadGapAdj. 6pass	H2DfH2Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-094	HeadGapAdj. 6pass	H2DfH2Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-095	HeadGapAdj. 6pass	H2DfH2Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-096	HeadGapAdj. 6pass	H2DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-097	HeadGapAdj. 6pass	H2DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-098	HeadGapAdj. 6pass	H2DfH2Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-099	HeadGapAdj. 6pass	H2DfH2Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-100	HeadGapAdj. 6pass	H2DfH2Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-101	HeadGapAdj. 6pass	H2DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-102	HeadGapAdj. 6pass	H3DfH3Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-103	HeadGapAdj. 6pass	H3DfH3Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-104	HeadGapAdj. 6pass	H3DfH3Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-105	HeadGapAdj. 6pass	H3DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-106	HeadGapAdj. 6pass	H3DfH3Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-	HeadGapAdj.	H3DfH3Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	6pass			1dot]
3-004-108	HeadGapAdj. 6pass	H3DfH3Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-111	HeadGapAdj. 6pass	H1DfH1Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-112	HeadGapAdj. 6pass	H1DfH1Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-113	HeadGapAdj. 6pass	H1DfH1Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-114	HeadGapAdj. 6pass	H1DfH2Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-115	HeadGapAdj. 6pass	H1DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-116	HeadGapAdj. 6pass	H1DfH1Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-117	HeadGapAdj. 6pass	H1DfH1Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-118	HeadGapAdj. 6pass	H1DfH1Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-119	HeadGapAdj. 6pass	H1DfH1Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-120	HeadGapAdj. 6pass	H1DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-121	HeadGapAdj. 6pass	H1DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-122	HeadGapAdj. 6pass	H2DfH2Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-123	HeadGapAdj. 6pass	H2DfH2Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-124	HeadGapAdj. 6pass	H2DfH2Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-125	HeadGapAdj. 6pass	H2DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-126	HeadGapAdj. 6pass	H2DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-	HeadGapAdj.	H2DfH2Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
127	6pass			/ 1dot]
3-004-128	HeadGapAdj. 6pass	H2DfH2Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-129	HeadGapAdj. 6pass	H2DfH2Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-130	HeadGapAdj. 6pass	H2DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-131	HeadGapAdj. 6pass	H3DfH3Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-132	HeadGapAdj. 6pass	H3DfH3Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-133	HeadGapAdj. 6pass	H3DfH3Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-134	HeadGapAdj. 6pass	H3DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-135	HeadGapAdj. 6pass	H3DfH3Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-136	HeadGapAdj. 6pass	H3DfH3Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-137	HeadGapAdj. 6pass	H3DfH3Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-138	HeadGapAdj. 6pass	H1DfH1Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-139	HeadGapAdj. 6pass	H1DfH1Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-140	HeadGapAdj. 6pass	H1DfH1Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-141	HeadGapAdj. 6pass	H1DfH2Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-142	HeadGapAdj. 6pass	H1DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-143	HeadGapAdj. 6pass	H1DfH1Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-144	HeadGapAdj. 6pass	H1DfH1Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-	HeadGapAdj.	H1DfH1Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
145	6pass			/ 1dot]
3-004-146	HeadGapAdj. 6pass	H1DfH1Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-147	HeadGapAdj. 6pass	H1DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-148	HeadGapAdj. 6pass	H1DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-149	HeadGapAdj. 6pass	H2DfH2Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-150	HeadGapAdj. 6pass	H2DfH2Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-151	HeadGapAdj. 6pass	H2DfH2Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-152	HeadGapAdj. 6pass	H2DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-153	HeadGapAdj. 6pass	H2DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-154	HeadGapAdj. 6pass	H2DfH2Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-155	HeadGapAdj. 6pass	H2DfH2Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-156	HeadGapAdj. 6pass	H2DfH2Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-157	HeadGapAdj. 6pass	H2DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-158	HeadGapAdj. 6pass	H3DfH3Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-159	HeadGapAdj. 6pass	H3DfH3Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-160	HeadGapAdj. 6pass	H3DfH3Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-161	HeadGapAdj. 6pass	H3DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-162	HeadGapAdj. 6pass	H3DfH3Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-	HeadGapAdj.	H3DfH3Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163	6pass			/ 1dot]
3-004-164	HeadGapAdj. 6pass	H3DfH3Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-165	HeadGapAdj. 6pass	H1DfH1Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-166	HeadGapAdj. 6pass	H1DfH1Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-167	HeadGapAdj. 6pass	H1DfH1Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-168	HeadGapAdj. 6pass	H1DfH2Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-169	HeadGapAdj. 6pass	H1DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-170	HeadGapAdj. 6pass	H1DfH1Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-171	HeadGapAdj. 6pass	H1DfH1Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-172	HeadGapAdj. 6pass	H1DfH1Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-173	HeadGapAdj. 6pass	H1DfH1Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-174	HeadGapAdj. 6pass	H1DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-175	HeadGapAdj. 6pass	H1DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-176	HeadGapAdj. 6pass	H2DfH2Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-177	HeadGapAdj. 6pass	H2DfH2Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-178	HeadGapAdj. 6pass	H2DfH2Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-179	HeadGapAdj. 6pass	H2DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-180	HeadGapAdj. 6pass	H2DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-	HeadGapAdj.	H2DfH2Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
181	6pass			/ 1dot]
3-004-182	HeadGapAdj. 6pass	H2DfH2Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-183	HeadGapAdj. 6pass	H2DfH2Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-184	HeadGapAdj. 6pass	H2DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-185	HeadGapAdj. 6pass	H3DfH3Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-186	HeadGapAdj. 6pass	H3DfH3Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-187	HeadGapAdj. 6pass	H3DfH3Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-188	HeadGapAdj. 6pass	H3DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-189	HeadGapAdj. 6pass	H3DfH3Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-190	HeadGapAdj. 6pass	H3DfH3Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-191	HeadGapAdj. 6pass	H3DfH3Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-192	HeadGapAdj. 6pass	H1DfH1Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-193	HeadGapAdj. 6pass	H1DfH1Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-194	HeadGapAdj. 6pass	H1DfH1Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-195	HeadGapAdj. 6pass	H1DfH2Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-004-196	HeadGapAdj. 6pass	H1DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-004-197	HeadGapAdj. 6pass	H1DfH1Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-198	HeadGapAdj. 6pass	H1DfH1Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-	HeadGapAdj.	H1DfH1Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
199	6pass			/ 1dot]
3-004-200	HeadGapAdj. 6pass	H1DfH1Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-201	HeadGapAdj. 6pass	H1DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-202	HeadGapAdj. 6pass	H1DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-203	HeadGapAdj. 6pass	H2DfH2Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-204	HeadGapAdj. 6pass	H2DfH2Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-205	HeadGapAdj. 6pass	H2DfH2Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-206	HeadGapAdj. 6pass	H2DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-207	HeadGapAdj. 6pass	H2DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-208	HeadGapAdj. 6pass	H2DfH2Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-209	HeadGapAdj. 6pass	H2DfH2Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-210	HeadGapAdj. 6pass	H2DfH2Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-211	HeadGapAdj. 6pass	H2DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-212	HeadGapAdj. 6pass	H3DfH3Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-213	HeadGapAdj. 6pass	H3DfH3Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-214	HeadGapAdj. 6pass	H3DfH3Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-004-215	HeadGapAdj. 6pass	H3DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-216	HeadGapAdj. 6pass	H3DfH3Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-004-	HeadGapAdj.	H3DfH3Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
217	6pass			/ 1dot]
3-004-218	HeadGapAdj. 6pass	H3DfH3Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-005-001	HeadGapAdj. 8pass	H1DfH1Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-002	HeadGapAdj. 8pass	H1DfH1Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-003	HeadGapAdj. 8pass	H1DfH1Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-004	HeadGapAdj. 8pass	H1DfH2Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-005	HeadGapAdj. 8pass	H1DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-006	HeadGapAdj. 8pass	H1DfH1Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-007	HeadGapAdj. 8pass	H1DfH1Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-008	HeadGapAdj. 8pass	H1DfH1Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-009	HeadGapAdj. 8pass	H1DfH1Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-010	HeadGapAdj. 8pass	H1DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-011	HeadGapAdj. 8pass	H1DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-012	HeadGapAdj. 8pass	H2DfH2Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-013	HeadGapAdj. 8pass	H2DfH2Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-014	HeadGapAdj. 8pass	H2DfH2Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-015	HeadGapAdj. 8pass	H2DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-016	HeadGapAdj. 8pass	H2DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-	HeadGapAdj.	H2DfH2Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	8pass			1dot]
3-005-018	HeadGapAdj. 8pass	H2DfH2Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-019	HeadGapAdj. 8pass	H2DfH2Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-020	HeadGapAdj. 8pass	H2DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-021	HeadGapAdj. 8pass	H3DfH3Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-022	HeadGapAdj. 8pass	H3DfH3Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-023	HeadGapAdj. 8pass	H3DfH3Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-024	HeadGapAdj. 8pass	H3DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-025	HeadGapAdj. 8pass	H3DfH3Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-026	HeadGapAdj. 8pass	H3DfH3Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-027	HeadGapAdj. 8pass	H3DfH3Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-028	HeadGapAdj. 8pass	H1DfH1Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-029	HeadGapAdj. 8pass	H1DfH1Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-030	HeadGapAdj. 8pass	H1DfH1Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-031	HeadGapAdj. 8pass	H1DfH2Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-032	HeadGapAdj. 8pass	H1DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-033	HeadGapAdj. 8pass	H1DfH1Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-034	HeadGapAdj. 8pass	H1DfH1Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-	HeadGapAdj.	H1DfH1Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	8pass			1dot]
3-005-036	HeadGapAdj. 8pass	H1DfH1Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-037	HeadGapAdj. 8pass	H1DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-038	HeadGapAdj. 8pass	H1DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-039	HeadGapAdj. 8pass	H2DfH2Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-040	HeadGapAdj. 8pass	H2DfH2Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-041	HeadGapAdj. 8pass	H2DfH2Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-042	HeadGapAdj. 8pass	H2DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-043	HeadGapAdj. 8pass	H2DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-044	HeadGapAdj. 8pass	H2DfH2Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-045	HeadGapAdj. 8pass	H2DfH2Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-046	HeadGapAdj. 8pass	H2DfH2Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-047	HeadGapAdj. 8pass	H2DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-048	HeadGapAdj. 8pass	H3DfH3Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-049	HeadGapAdj. 8pass	H3DfH3Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-050	HeadGapAdj. 8pass	H3DfH3Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-051	HeadGapAdj. 8pass	H3DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-052	HeadGapAdj. 8pass	H3DfH3Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-	HeadGapAdj.	H3DfH3Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	8pass			1dot]
3-005-054	HeadGapAdj. 8pass	H3DfH3Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-055	HeadGapAdj. 8pass	H1DfH1Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-056	HeadGapAdj. 8pass	H1DfH1Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-057	HeadGapAdj. 8pass	H1DfH1Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-058	HeadGapAdj. 8pass	H1DfH2Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-059	HeadGapAdj. 8pass	H1DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-060	HeadGapAdj. 8pass	H1DfH1Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-061	HeadGapAdj. 8pass	H1DfH1Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-062	HeadGapAdj. 8pass	H1DfH1Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-063	HeadGapAdj. 8pass	H1DfH1Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-064	HeadGapAdj. 8pass	H1DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-065	HeadGapAdj. 8pass	H1DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-066	HeadGapAdj. 8pass	H2DfH2Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-067	HeadGapAdj. 8pass	H2DfH2Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-068	HeadGapAdj. 8pass	H2DfH2Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-069	HeadGapAdj. 8pass	H2DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-070	HeadGapAdj. 8pass	H2DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-	HeadGapAdj.	H2DfH2Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	8pass			1dot]
3-005-072	HeadGapAdj. 8pass	H2DfH2Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-073	HeadGapAdj. 8pass	H2DfH2Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-074	HeadGapAdj. 8pass	H2DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-075	HeadGapAdj. 8pass	H3DfH3Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-076	HeadGapAdj. 8pass	H3DfH3Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-077	HeadGapAdj. 8pass	H3DfH3Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-078	HeadGapAdj. 8pass	H3DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-079	HeadGapAdj. 8pass	H3DfH3Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-080	HeadGapAdj. 8pass	H3DfH3Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-081	HeadGapAdj. 8pass	H3DfH3Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-082	HeadGapAdj. 8pass	H1DfH1Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-083	HeadGapAdj. 8pass	H1DfH1Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-084	HeadGapAdj. 8pass	H1DfH1Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-085	HeadGapAdj. 8pass	H1DfH2Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-086	HeadGapAdj. 8pass	H1DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-087	HeadGapAdj. 8pass	H1DfH1Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-088	HeadGapAdj. 8pass	H1DfH1Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-	HeadGapAdj.	H1DfH1Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	8pass			1dot]
3-005-090	HeadGapAdj. 8pass	H1DfH1Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-091	HeadGapAdj. 8pass	H1DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-092	HeadGapAdj. 8pass	H1DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-093	HeadGapAdj. 8pass	H2DfH2Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-094	HeadGapAdj. 8pass	H2DfH2Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-095	HeadGapAdj. 8pass	H2DfH2Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-096	HeadGapAdj. 8pass	H2DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-097	HeadGapAdj. 8pass	H2DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-098	HeadGapAdj. 8pass	H2DfH2Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-099	HeadGapAdj. 8pass	H2DfH2Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-100	HeadGapAdj. 8pass	H2DfH2Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-101	HeadGapAdj. 8pass	H2DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-102	HeadGapAdj. 8pass	H3DfH3Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-103	HeadGapAdj. 8pass	H3DfH3Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-104	HeadGapAdj. 8pass	H3DfH3Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-105	HeadGapAdj. 8pass	H3DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-106	HeadGapAdj. 8pass	H3DfH3Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-005-	HeadGapAdj.	H3DfH3Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	8pass			1dot]
3-005-108	HeadGapAdj. 8pass	H3DfH3Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-001	HeadGapAdj. 8pass	H1DfH1Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-002	HeadGapAdj. 8pass	H1DfH1Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-003	HeadGapAdj. 8pass	H1DfH1Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-004	HeadGapAdj. 8pass	H1DfH2Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-005	HeadGapAdj. 8pass	H1DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-006	HeadGapAdj. 8pass	H1DfH1Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-007	HeadGapAdj. 8pass	H1DfH1Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-008	HeadGapAdj. 8pass	H1DfH1Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-009	HeadGapAdj. 8pass	H1DfH1Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-010	HeadGapAdj. 8pass	H1DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-011	HeadGapAdj. 8pass	H1DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-012	HeadGapAdj. 8pass	H2DfH2Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-013	HeadGapAdj. 8pass	H2DfH2Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-014	HeadGapAdj. 8pass	H2DfH2Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-015	HeadGapAdj. 8pass	H2DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-016	HeadGapAdj. 8pass	H2DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-	HeadGapAdj.	H2DfH2Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	8pass			1dot]
3-006-018	HeadGapAdj. 8pass	H2DfH2Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-019	HeadGapAdj. 8pass	H2DfH2Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-020	HeadGapAdj. 8pass	H2DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-021	HeadGapAdj. 8pass	H3DfH3Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-022	HeadGapAdj. 8pass	H3DfH3Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-023	HeadGapAdj. 8pass	H3DfH3Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-024	HeadGapAdj. 8pass	H3DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-025	HeadGapAdj. 8pass	H3DfH3Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-026	HeadGapAdj. 8pass	H3DfH3Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-027	HeadGapAdj. 8pass	H3DfH3Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-028	HeadGapAdj. 8pass	H1DfH1Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-029	HeadGapAdj. 8pass	H1DfH1Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-030	HeadGapAdj. 8pass	H1DfH1Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-031	HeadGapAdj. 8pass	H1DfH2Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-032	HeadGapAdj. 8pass	H1DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-033	HeadGapAdj. 8pass	H1DfH1Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-034	HeadGapAdj. 8pass	H1DfH1Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-	HeadGapAdj.	H1DfH1Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	8pass			1dot]
3-006-036	HeadGapAdj. 8pass	H1DfH1Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-037	HeadGapAdj. 8pass	H1DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-038	HeadGapAdj. 8pass	H1DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-039	HeadGapAdj. 8pass	H2DfH2Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-040	HeadGapAdj. 8pass	H2DfH2Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-041	HeadGapAdj. 8pass	H2DfH2Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-042	HeadGapAdj. 8pass	H2DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-043	HeadGapAdj. 8pass	H2DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-044	HeadGapAdj. 8pass	H2DfH2Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-045	HeadGapAdj. 8pass	H2DfH2Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-046	HeadGapAdj. 8pass	H2DfH2Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-047	HeadGapAdj. 8pass	H2DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-048	HeadGapAdj. 8pass	H3DfH3Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-049	HeadGapAdj. 8pass	H3DfH3Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-050	HeadGapAdj. 8pass	H3DfH3Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-051	HeadGapAdj. 8pass	H3DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-052	HeadGapAdj. 8pass	H3DfH3Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-	HeadGapAdj.	H3DfH3Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	8pass			1dot]
3-006-054	HeadGapAdj. 8pass	H3DfH3Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-055	HeadGapAdj. 8pass	H1DfH1Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-056	HeadGapAdj. 8pass	H1DfH1Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-057	HeadGapAdj. 8pass	H1DfH1Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-058	HeadGapAdj. 8pass	H1DfH2Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-059	HeadGapAdj. 8pass	H1DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-060	HeadGapAdj. 8pass	H1DfH1Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-061	HeadGapAdj. 8pass	H1DfH1Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-062	HeadGapAdj. 8pass	H1DfH1Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-063	HeadGapAdj. 8pass	H1DfH1Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-064	HeadGapAdj. 8pass	H1DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-065	HeadGapAdj. 8pass	H1DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-066	HeadGapAdj. 8pass	H2DfH2Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-067	HeadGapAdj. 8pass	H2DfH2Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-068	HeadGapAdj. 8pass	H2DfH2Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-069	HeadGapAdj. 8pass	H2DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-070	HeadGapAdj. 8pass	H2DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-	HeadGapAdj.	H2DfH2Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	8pass			1dot]
3-006-072	HeadGapAdj. 8pass	H2DfH2Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-073	HeadGapAdj. 8pass	H2DfH2Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-074	HeadGapAdj. 8pass	H2DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-075	HeadGapAdj. 8pass	H3DfH3Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-076	HeadGapAdj. 8pass	H3DfH3Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-077	HeadGapAdj. 8pass	H3DfH3Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-078	HeadGapAdj. 8pass	H3DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-079	HeadGapAdj. 8pass	H3DfH3Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-080	HeadGapAdj. 8pass	H3DfH3Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-081	HeadGapAdj. 8pass	H3DfH3Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-082	HeadGapAdj. 8pass	H1DfH1Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-083	HeadGapAdj. 8pass	H1DfH1Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-084	HeadGapAdj. 8pass	H1DfH1Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-085	HeadGapAdj. 8pass	H1DfH2Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-086	HeadGapAdj. 8pass	H1DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-087	HeadGapAdj. 8pass	H1DfH1Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-088	HeadGapAdj. 8pass	H1DfH1Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-	HeadGapAdj.	H1DfH1Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	8pass			1dot]
3-006-090	HeadGapAdj. 8pass	H1DfH1Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-091	HeadGapAdj. 8pass	H1DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-092	HeadGapAdj. 8pass	H1DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-093	HeadGapAdj. 8pass	H2DfH2Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-094	HeadGapAdj. 8pass	H2DfH2Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-095	HeadGapAdj. 8pass	H2DfH2Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-096	HeadGapAdj. 8pass	H2DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-097	HeadGapAdj. 8pass	H2DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-098	HeadGapAdj. 8pass	H2DfH2Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-099	HeadGapAdj. 8pass	H2DfH2Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-100	HeadGapAdj. 8pass	H2DfH2Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-101	HeadGapAdj. 8pass	H2DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-102	HeadGapAdj. 8pass	H3DfH3Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-103	HeadGapAdj. 8pass	H3DfH3Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-104	HeadGapAdj. 8pass	H3DfH3Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-105	HeadGapAdj. 8pass	H3DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-106	HeadGapAdj. 8pass	H3DfH3Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-	HeadGapAdj.	H3DfH3Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	8pass			1dot]
3-006-108	HeadGapAdj. 8pass	H3DfH3Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-111	HeadGapAdj. 8pass	H1DfH1Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-112	HeadGapAdj. 8pass	H1DfH1Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-113	HeadGapAdj. 8pass	H1DfH1Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-114	HeadGapAdj. 8pass	H1DfH2Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-115	HeadGapAdj. 8pass	H1DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-116	HeadGapAdj. 8pass	H1DfH1Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-117	HeadGapAdj. 8pass	H1DfH1Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-118	HeadGapAdj. 8pass	H1DfH1Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-119	HeadGapAdj. 8pass	H1DfH1Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-120	HeadGapAdj. 8pass	H1DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-121	HeadGapAdj. 8pass	H1DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-122	HeadGapAdj. 8pass	H2DfH2Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-123	HeadGapAdj. 8pass	H2DfH2Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-124	HeadGapAdj. 8pass	H2DfH2Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-125	HeadGapAdj. 8pass	H2DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-126	HeadGapAdj. 8pass	H2DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-	HeadGapAdj.	H2DfH2Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
127	8pass			/ 1dot]
3-006-128	HeadGapAdj. 8pass	H2DfH2Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-129	HeadGapAdj. 8pass	H2DfH2Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-130	HeadGapAdj. 8pass	H2DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-131	HeadGapAdj. 8pass	H3DfH3Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-132	HeadGapAdj. 8pass	H3DfH3Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-133	HeadGapAdj. 8pass	H3DfH3Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-134	HeadGapAdj. 8pass	H3DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-135	HeadGapAdj. 8pass	H3DfH3Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-136	HeadGapAdj. 8pass	H3DfH3Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-137	HeadGapAdj. 8pass	H3DfH3Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-138	HeadGapAdj. 8pass	H1DfH1Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-139	HeadGapAdj. 8pass	H1DfH1Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-140	HeadGapAdj. 8pass	H1DfH1Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-141	HeadGapAdj. 8pass	H1DfH2Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-142	HeadGapAdj. 8pass	H1DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-143	HeadGapAdj. 8pass	H1DfH1Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-144	HeadGapAdj. 8pass	H1DfH1Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-	HeadGapAdj.	H1DfH1Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
145	8pass			/ 1dot]
3-006-146	HeadGapAdj. 8pass	H1DfH1Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-147	HeadGapAdj. 8pass	H1DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-148	HeadGapAdj. 8pass	H1DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-149	HeadGapAdj. 8pass	H2DfH2Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-150	HeadGapAdj. 8pass	H2DfH2Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-151	HeadGapAdj. 8pass	H2DfH2Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-152	HeadGapAdj. 8pass	H2DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-153	HeadGapAdj. 8pass	H2DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-154	HeadGapAdj. 8pass	H2DfH2Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-155	HeadGapAdj. 8pass	H2DfH2Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-156	HeadGapAdj. 8pass	H2DfH2Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-157	HeadGapAdj. 8pass	H2DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-158	HeadGapAdj. 8pass	H3DfH3Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-159	HeadGapAdj. 8pass	H3DfH3Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-160	HeadGapAdj. 8pass	H3DfH3Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-161	HeadGapAdj. 8pass	H3DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-162	HeadGapAdj. 8pass	H3DfH3Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-	HeadGapAdj.	H3DfH3Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163	8pass			/ 1dot]
3-006-164	HeadGapAdj. 8pass	H3DfH3Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-165	HeadGapAdj. 8pass	H1DfH1Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-166	HeadGapAdj. 8pass	H1DfH1Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-167	HeadGapAdj. 8pass	H1DfH1Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-168	HeadGapAdj. 8pass	H1DfH2Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-169	HeadGapAdj. 8pass	H1DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-170	HeadGapAdj. 8pass	H1DfH1Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-171	HeadGapAdj. 8pass	H1DfH1Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-172	HeadGapAdj. 8pass	H1DfH1Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-173	HeadGapAdj. 8pass	H1DfH1Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-174	HeadGapAdj. 8pass	H1DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-175	HeadGapAdj. 8pass	H1DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-176	HeadGapAdj. 8pass	H2DfH2Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-177	HeadGapAdj. 8pass	H2DfH2Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-178	HeadGapAdj. 8pass	H2DfH2Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-179	HeadGapAdj. 8pass	H2DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-180	HeadGapAdj. 8pass	H2DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-	HeadGapAdj.	H2DfH2Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
181	8pass			/ 1dot]
3-006-182	HeadGapAdj. 8pass	H2DfH2Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-183	HeadGapAdj. 8pass	H2DfH2Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-184	HeadGapAdj. 8pass	H2DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-185	HeadGapAdj. 8pass	H3DfH3Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-186	HeadGapAdj. 8pass	H3DfH3Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-187	HeadGapAdj. 8pass	H3DfH3Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-188	HeadGapAdj. 8pass	H3DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-189	HeadGapAdj. 8pass	H3DfH3Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-190	HeadGapAdj. 8pass	H3DfH3Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-191	HeadGapAdj. 8pass	H3DfH3Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-192	HeadGapAdj. 8pass	H1DfH1Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-193	HeadGapAdj. 8pass	H1DfH1Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-194	HeadGapAdj. 8pass	H1DfH1Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-195	HeadGapAdj. 8pass	H1DfH2Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-006-196	HeadGapAdj. 8pass	H1DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-006-197	HeadGapAdj. 8pass	H1DfH1Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-198	HeadGapAdj. 8pass	H1DfH1Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-	HeadGapAdj.	H1DfH1Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
199	8pass			/ 1dot]
3-006-200	HeadGapAdj. 8pass	H1DfH1Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-201	HeadGapAdj. 8pass	H1DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-202	HeadGapAdj. 8pass	H1DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-203	HeadGapAdj. 8pass	H2DfH2Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-204	HeadGapAdj. 8pass	H2DfH2Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-205	HeadGapAdj. 8pass	H2DfH2Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-206	HeadGapAdj. 8pass	H2DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-207	HeadGapAdj. 8pass	H2DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-208	HeadGapAdj. 8pass	H2DfH2Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-209	HeadGapAdj. 8pass	H2DfH2Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-210	HeadGapAdj. 8pass	H2DfH2Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-211	HeadGapAdj. 8pass	H2DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-212	HeadGapAdj. 8pass	H3DfH3Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-213	HeadGapAdj. 8pass	H3DfH3Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-214	HeadGapAdj. 8pass	H3DfH3Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-006-215	HeadGapAdj. 8pass	H3DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-216	HeadGapAdj. 8pass	H3DfH3Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-006-	HeadGapAdj.	H3DfH3Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
217	8pass			/ 1dot]
3-006-218	HeadGapAdj. 8pass	H3DfH3Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-009-001	HeadGapAdj. 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-002	HeadGapAdj. 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-003	HeadGapAdj. 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-004	HeadGapAdj. 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-005	HeadGapAdj. 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-006	HeadGapAdj. 12pass	H1DfH1Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-007	HeadGapAdj. 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-008	HeadGapAdj. 12pass	H1DfH1Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-009	HeadGapAdj. 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-010	HeadGapAdj. 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-011	HeadGapAdj. 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-012	HeadGapAdj. 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-013	HeadGapAdj. 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-014	HeadGapAdj. 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-015	HeadGapAdj. 12pass	H2DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-016	HeadGapAdj. 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-	HeadGapAdj.	H2DfH2Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	12pass			1dot]
3-009-018	HeadGapAdj. 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-019	HeadGapAdj. 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-020	HeadGapAdj. 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-021	HeadGapAdj. 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-022	HeadGapAdj. 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-023	HeadGapAdj. 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-024	HeadGapAdj. 12pass	H3DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-025	HeadGapAdj. 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-026	HeadGapAdj. 12pass	H3DfH3Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-027	HeadGapAdj. 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-028	HeadGapAdj. 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-029	HeadGapAdj. 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-030	HeadGapAdj. 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-031	HeadGapAdj. 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-032	HeadGapAdj. 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-033	HeadGapAdj. 12pass	H1DfH1Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-034	HeadGapAdj. 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-	HeadGapAdj.	H1DfH1Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	12pass			1dot]
3-009-036	HeadGapAdj. 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-037	HeadGapAdj. 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-038	HeadGapAdj. 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-039	HeadGapAdj. 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-040	HeadGapAdj. 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-041	HeadGapAdj. 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-042	HeadGapAdj. 12pass	H2DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-043	HeadGapAdj. 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-044	HeadGapAdj. 12pass	H2DfH2Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-045	HeadGapAdj. 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-046	HeadGapAdj. 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-047	HeadGapAdj. 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-048	HeadGapAdj. 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-049	HeadGapAdj. 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-050	HeadGapAdj. 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-051	HeadGapAdj. 12pass	H3DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-052	HeadGapAdj. 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-	HeadGapAdj.	H3DfH3Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	12pass			1dot]
3-009-054	HeadGapAdj. 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-055	HeadGapAdj. 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-056	HeadGapAdj. 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-057	HeadGapAdj. 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-058	HeadGapAdj. 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-059	HeadGapAdj. 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-060	HeadGapAdj. 12pass	H1DfH1Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-061	HeadGapAdj. 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-062	HeadGapAdj. 12pass	H1DfH1Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-063	HeadGapAdj. 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-064	HeadGapAdj. 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-065	HeadGapAdj. 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-066	HeadGapAdj. 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-067	HeadGapAdj. 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-068	HeadGapAdj. 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-069	HeadGapAdj. 12pass	H2DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-070	HeadGapAdj. 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-	HeadGapAdj.	H2DfH2Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	12pass			1dot]
3-009-072	HeadGapAdj. 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-073	HeadGapAdj. 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-074	HeadGapAdj. 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-075	HeadGapAdj. 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-076	HeadGapAdj. 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-077	HeadGapAdj. 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-078	HeadGapAdj. 12pass	H3DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-079	HeadGapAdj. 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-080	HeadGapAdj. 12pass	H3DfH3Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-081	HeadGapAdj. 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-082	HeadGapAdj. 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-083	HeadGapAdj. 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-084	HeadGapAdj. 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-085	HeadGapAdj. 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-086	HeadGapAdj. 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-087	HeadGapAdj. 12pass	H1DfH1Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-088	HeadGapAdj. 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-	HeadGapAdj.	H1DfH1Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	12pass			1dot]
3-009-090	HeadGapAdj. 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-091	HeadGapAdj. 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-092	HeadGapAdj. 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-093	HeadGapAdj. 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-094	HeadGapAdj. 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-095	HeadGapAdj. 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-096	HeadGapAdj. 12pass	H2DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-097	HeadGapAdj. 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-098	HeadGapAdj. 12pass	H2DfH2Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-099	HeadGapAdj. 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-100	HeadGapAdj. 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-101	HeadGapAdj. 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-102	HeadGapAdj. 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-103	HeadGapAdj. 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-104	HeadGapAdj. 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-105	HeadGapAdj. 12pass	H3DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-106	HeadGapAdj. 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-009-	HeadGapAdj.	H3DfH3Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	12pass			1dot]
3-009-108	HeadGapAdj. 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-001	HeadGapAdj. 12pass	H1DfH1Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-002	HeadGapAdj. 12pass	H1DfH1Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-003	HeadGapAdj. 12pass	H1DfH1Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-004	HeadGapAdj. 12pass	H1DfH2Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-005	HeadGapAdj. 12pass	H1DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-006	HeadGapAdj. 12pass	H1DfH1Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-007	HeadGapAdj. 12pass	H1DfH1Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-008	HeadGapAdj. 12pass	H1DfH1Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-009	HeadGapAdj. 12pass	H1DfH1Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-010	HeadGapAdj. 12pass	H1DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-011	HeadGapAdj. 12pass	H1DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-012	HeadGapAdj. 12pass	H2DfH2Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-013	HeadGapAdj. 12pass	H2DfH2Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-014	HeadGapAdj. 12pass	H2DfH2Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-015	HeadGapAdj. 12pass	H2DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-016	HeadGapAdj. 12pass	H2DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-	HeadGapAdj.	H2DfH2Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	12pass			1dot]
3-010-018	HeadGapAdj. 12pass	H2DfH2Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-019	HeadGapAdj. 12pass	H2DfH2Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-020	HeadGapAdj. 12pass	H2DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-021	HeadGapAdj. 12pass	H3DfH3Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-022	HeadGapAdj. 12pass	H3DfH3Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-023	HeadGapAdj. 12pass	H3DfH3Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-024	HeadGapAdj. 12pass	H3DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-025	HeadGapAdj. 12pass	H3DfH3Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-026	HeadGapAdj. 12pass	H3DfH3Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-027	HeadGapAdj. 12pass	H3DfH3Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-028	HeadGapAdj. 12pass	H1DfH1Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-029	HeadGapAdj. 12pass	H1DfH1Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-030	HeadGapAdj. 12pass	H1DfH1Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-031	HeadGapAdj. 12pass	H1DfH2Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-032	HeadGapAdj. 12pass	H1DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-033	HeadGapAdj. 12pass	H1DfH1Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-034	HeadGapAdj. 12pass	H1DfH1Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-	HeadGapAdj.	H1DfH1Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	12pass			1dot]
3-010-036	HeadGapAdj. 12pass	H1DfH1Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-037	HeadGapAdj. 12pass	H1DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-038	HeadGapAdj. 12pass	H1DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-039	HeadGapAdj. 12pass	H2DfH2Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-040	HeadGapAdj. 12pass	H2DfH2Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-041	HeadGapAdj. 12pass	H2DfH2Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-042	HeadGapAdj. 12pass	H2DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-043	HeadGapAdj. 12pass	H2DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-044	HeadGapAdj. 12pass	H2DfH2Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-045	HeadGapAdj. 12pass	H2DfH2Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-046	HeadGapAdj. 12pass	H2DfH2Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-047	HeadGapAdj. 12pass	H2DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-048	HeadGapAdj. 12pass	H3DfH3Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-049	HeadGapAdj. 12pass	H3DfH3Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-050	HeadGapAdj. 12pass	H3DfH3Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-051	HeadGapAdj. 12pass	H3DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-052	HeadGapAdj. 12pass	H3DfH3Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-	HeadGapAdj.	H3DfH3Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	12pass			1dot]
3-010-054	HeadGapAdj. 12pass	H3DfH3Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-055	HeadGapAdj. 12pass	H1DfH1Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-056	HeadGapAdj. 12pass	H1DfH1Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-057	HeadGapAdj. 12pass	H1DfH1Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-058	HeadGapAdj. 12pass	H1DfH2Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-059	HeadGapAdj. 12pass	H1DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-060	HeadGapAdj. 12pass	H1DfH1Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-061	HeadGapAdj. 12pass	H1DfH1Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-062	HeadGapAdj. 12pass	H1DfH1Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-063	HeadGapAdj. 12pass	H1DfH1Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-064	HeadGapAdj. 12pass	H1DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-065	HeadGapAdj. 12pass	H1DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-066	HeadGapAdj. 12pass	H2DfH2Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-067	HeadGapAdj. 12pass	H2DfH2Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-068	HeadGapAdj. 12pass	H2DfH2Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-069	HeadGapAdj. 12pass	H2DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-070	HeadGapAdj. 12pass	H2DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-	HeadGapAdj.	H2DfH2Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	12pass			1dot]
3-010-072	HeadGapAdj. 12pass	H2DfH2Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-073	HeadGapAdj. 12pass	H2DfH2Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-074	HeadGapAdj. 12pass	H2DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-075	HeadGapAdj. 12pass	H3DfH3Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-076	HeadGapAdj. 12pass	H3DfH3Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-077	HeadGapAdj. 12pass	H3DfH3Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-078	HeadGapAdj. 12pass	H3DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-079	HeadGapAdj. 12pass	H3DfH3Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-080	HeadGapAdj. 12pass	H3DfH3Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-081	HeadGapAdj. 12pass	H3DfH3Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-082	HeadGapAdj. 12pass	H1DfH1Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-083	HeadGapAdj. 12pass	H1DfH1Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-084	HeadGapAdj. 12pass	H1DfH1Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-085	HeadGapAdj. 12pass	H1DfH2Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-086	HeadGapAdj. 12pass	H1DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-087	HeadGapAdj. 12pass	H1DfH1Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-088	HeadGapAdj. 12pass	H1DfH1Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-	HeadGapAdj.	H1DfH1Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	12pass			1dot]
3-010-090	HeadGapAdj. 12pass	H1DfH1Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-091	HeadGapAdj. 12pass	H1DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-092	HeadGapAdj. 12pass	H1DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-093	HeadGapAdj. 12pass	H2DfH2Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-094	HeadGapAdj. 12pass	H2DfH2Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-095	HeadGapAdj. 12pass	H2DfH2Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-096	HeadGapAdj. 12pass	H2DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-097	HeadGapAdj. 12pass	H2DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-098	HeadGapAdj. 12pass	H2DfH2Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-099	HeadGapAdj. 12pass	H2DfH2Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-100	HeadGapAdj. 12pass	H2DfH2Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-101	HeadGapAdj. 12pass	H2DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-102	HeadGapAdj. 12pass	H3DfH3Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-103	HeadGapAdj. 12pass	H3DfH3Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-104	HeadGapAdj. 12pass	H3DfH3Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-105	HeadGapAdj. 12pass	H3DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-106	HeadGapAdj. 12pass	H3DfH3Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-	HeadGapAdj.	H3DfH3Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	12pass			1dot]
3-010-108	HeadGapAdj. 12pass	H3DfH3Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-111	HeadGapAdj. 12pass	H1DfH1Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-112	HeadGapAdj. 12pass	H1DfH1Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-113	HeadGapAdj. 12pass	H1DfH1Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-114	HeadGapAdj. 12pass	H1DfH2Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-115	HeadGapAdj. 12pass	H1DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-116	HeadGapAdj. 12pass	H1DfH1Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-117	HeadGapAdj. 12pass	H1DfH1Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-118	HeadGapAdj. 12pass	H1DfH1Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-119	HeadGapAdj. 12pass	H1DfH1Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-120	HeadGapAdj. 12pass	H1DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-121	HeadGapAdj. 12pass	H1DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-122	HeadGapAdj. 12pass	H2DfH2Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-123	HeadGapAdj. 12pass	H2DfH2Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-124	HeadGapAdj. 12pass	H2DfH2Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-125	HeadGapAdj. 12pass	H2DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-126	HeadGapAdj. 12pass	H2DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-	HeadGapAdj.	H2DfH2Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
127	12pass			/ 1dot]
3-010-128	HeadGapAdj. 12pass	H2DfH2Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-129	HeadGapAdj. 12pass	H2DfH2Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-130	HeadGapAdj. 12pass	H2DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-131	HeadGapAdj. 12pass	H3DfH3Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-132	HeadGapAdj. 12pass	H3DfH3Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-133	HeadGapAdj. 12pass	H3DfH3Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-134	HeadGapAdj. 12pass	H3DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-135	HeadGapAdj. 12pass	H3DfH3Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-136	HeadGapAdj. 12pass	H3DfH3Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-137	HeadGapAdj. 12pass	H3DfH3Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-138	HeadGapAdj. 12pass	H1DfH1Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-139	HeadGapAdj. 12pass	H1DfH1Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-140	HeadGapAdj. 12pass	H1DfH1Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-141	HeadGapAdj. 12pass	H1DfH2Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-142	HeadGapAdj. 12pass	H1DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-143	HeadGapAdj. 12pass	H1DfH1Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-144	HeadGapAdj. 12pass	H1DfH1Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-	HeadGapAdj.	H1DfH1Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
145	12pass			/ 1dot]
3-010-146	HeadGapAdj. 12pass	H1DfH1Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-147	HeadGapAdj. 12pass	H1DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-148	HeadGapAdj. 12pass	H1DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-149	HeadGapAdj. 12pass	H2DfH2Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-150	HeadGapAdj. 12pass	H2DfH2Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-151	HeadGapAdj. 12pass	H2DfH2Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-152	HeadGapAdj. 12pass	H2DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-153	HeadGapAdj. 12pass	H2DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-154	HeadGapAdj. 12pass	H2DfH2Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-155	HeadGapAdj. 12pass	H2DfH2Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-156	HeadGapAdj. 12pass	H2DfH2Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-157	HeadGapAdj. 12pass	H2DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-158	HeadGapAdj. 12pass	H3DfH3Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-159	HeadGapAdj. 12pass	H3DfH3Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-160	HeadGapAdj. 12pass	H3DfH3Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-161	HeadGapAdj. 12pass	H3DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-162	HeadGapAdj. 12pass	H3DfH3Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-	HeadGapAdj.	H3DfH3Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
163	12pass			/ 1dot]
3-010-164	HeadGapAdj. 12pass	H3DfH3Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-165	HeadGapAdj. 12pass	H1DfH1Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-166	HeadGapAdj. 12pass	H1DfH1Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-167	HeadGapAdj. 12pass	H1DfH1Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-168	HeadGapAdj. 12pass	H1DfH2Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-169	HeadGapAdj. 12pass	H1DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-170	HeadGapAdj. 12pass	H1DfH1Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-171	HeadGapAdj. 12pass	H1DfH1Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-172	HeadGapAdj. 12pass	H1DfH1Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-173	HeadGapAdj. 12pass	H1DfH1Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-174	HeadGapAdj. 12pass	H1DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-175	HeadGapAdj. 12pass	H1DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-176	HeadGapAdj. 12pass	H2DfH2Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-177	HeadGapAdj. 12pass	H2DfH2Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-178	HeadGapAdj. 12pass	H2DfH2Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-179	HeadGapAdj. 12pass	H2DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-180	HeadGapAdj. 12pass	H2DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-	HeadGapAdj.	H2DfH2Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
181	12pass			/ 1dot]
3-010-182	HeadGapAdj. 12pass	H2DfH2Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-183	HeadGapAdj. 12pass	H2DfH2Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-184	HeadGapAdj. 12pass	H2DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-185	HeadGapAdj. 12pass	H3DfH3Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-186	HeadGapAdj. 12pass	H3DfH3Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-187	HeadGapAdj. 12pass	H3DfH3Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-188	HeadGapAdj. 12pass	H3DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-189	HeadGapAdj. 12pass	H3DfH3Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-190	HeadGapAdj. 12pass	H3DfH3Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-191	HeadGapAdj. 12pass	H3DfH3Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-192	HeadGapAdj. 12pass	H1DfH1Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-193	HeadGapAdj. 12pass	H1DfH1Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-194	HeadGapAdj. 12pass	H1DfH1Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-195	HeadGapAdj. 12pass	H1DfH2Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-010-196	HeadGapAdj. 12pass	H1DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-010-197	HeadGapAdj. 12pass	H1DfH1Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-198	HeadGapAdj. 12pass	H1DfH1Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-	HeadGapAdj.	H1DfH1Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
199	12pass			/ 1dot]
3-010-200	HeadGapAdj. 12pass	H1DfH1Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-201	HeadGapAdj. 12pass	H1DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-202	HeadGapAdj. 12pass	H1DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-203	HeadGapAdj. 12pass	H2DfH2Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-204	HeadGapAdj. 12pass	H2DfH2Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-205	HeadGapAdj. 12pass	H2DfH2Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-206	HeadGapAdj. 12pass	H2DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-207	HeadGapAdj. 12pass	H2DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-208	HeadGapAdj. 12pass	H2DfH2Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-209	HeadGapAdj. 12pass	H2DfH2Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-210	HeadGapAdj. 12pass	H2DfH2Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-211	HeadGapAdj. 12pass	H2DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-212	HeadGapAdj. 12pass	H3DfH3Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-213	HeadGapAdj. 12pass	H3DfH3Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-214	HeadGapAdj. 12pass	H3DfH3Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-010-215	HeadGapAdj. 12pass	H3DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-216	HeadGapAdj. 12pass	H3DfH3Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-010-	HeadGapAdj.	H3DfH3Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
217	12pass			/ 1dot]
3-010-218	HeadGapAdj. 12pass	H3DfH3Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]

SP3-013 to SP3-029

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-013-001	HeadGapAdj. 16pass	H1DfH1Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-002	HeadGapAdj. 16pass	H1DfH1Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-003	HeadGapAdj. 16pass	H1DfH1Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-004	HeadGapAdj. 16pass	H1DfH2Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-005	HeadGapAdj. 16pass	H1DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-006	HeadGapAdj. 16pass	H1DfH1Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-007	HeadGapAdj. 16pass	H1DfH1Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-008	HeadGapAdj. 16pass	H1DfH1Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-009	HeadGapAdj. 16pass	H1DfH1Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-010	HeadGapAdj. 16pass	H1DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-011	HeadGapAdj. 16pass	H1DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-012	HeadGapAdj. 16pass	H2DfH2Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-013	HeadGapAdj. 16pass	H2DfH2Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-014	HeadGapAdj. 16pass	H2DfH2Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-	HeadGapAdj.	H2DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	16pass			1dot]
3-013-016	HeadGapAdj. 16pass	H2DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-017	HeadGapAdj. 16pass	H2DfH2Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-018	HeadGapAdj. 16pass	H2DfH2Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-019	HeadGapAdj. 16pass	H2DfH2Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-020	HeadGapAdj. 16pass	H2DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-021	HeadGapAdj. 16pass	H3DfH3Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-022	HeadGapAdj. 16pass	H3DfH3Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-023	HeadGapAdj. 16pass	H3DfH3Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-024	HeadGapAdj. 16pass	H3DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-025	HeadGapAdj. 16pass	H3DfH3Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-026	HeadGapAdj. 16pass	H3DfH3Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-027	HeadGapAdj. 16pass	H3DfH3Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-028	HeadGapAdj. 16pass	H1DfH1Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-029	HeadGapAdj. 16pass	H1DfH1Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-030	HeadGapAdj. 16pass	H1DfH1Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-031	HeadGapAdj. 16pass	H1DfH2Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-032	HeadGapAdj. 16pass	H1DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-	HeadGapAdj.	H1DfH1Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033	16pass			1dot]
3-013-034	HeadGapAdj. 16pass	H1DfH1Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-035	HeadGapAdj. 16pass	H1DfH1Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-036	HeadGapAdj. 16pass	H1DfH1Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-037	HeadGapAdj. 16pass	H1DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-038	HeadGapAdj. 16pass	H1DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-039	HeadGapAdj. 16pass	H2DfH2Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-040	HeadGapAdj. 16pass	H2DfH2Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-041	HeadGapAdj. 16pass	H2DfH2Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-042	HeadGapAdj. 16pass	H2DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-043	HeadGapAdj. 16pass	H2DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-044	HeadGapAdj. 16pass	H2DfH2Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-045	HeadGapAdj. 16pass	H2DfH2Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-046	HeadGapAdj. 16pass	H2DfH2Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-047	HeadGapAdj. 16pass	H2DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-048	HeadGapAdj. 16pass	H3DfH3Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-049	HeadGapAdj. 16pass	H3DfH3Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-050	HeadGapAdj. 16pass	H3DfH3Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-	HeadGapAdj.	H3DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051	16pass			1dot]
3-013-052	HeadGapAdj. 16pass	H3DfH3Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-053	HeadGapAdj. 16pass	H3DfH3Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-054	HeadGapAdj. 16pass	H3DfH3Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-055	HeadGapAdj. 16pass	H1DfH1Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-056	HeadGapAdj. 16pass	H1DfH1Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-057	HeadGapAdj. 16pass	H1DfH1Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-058	HeadGapAdj. 16pass	H1DfH2Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-059	HeadGapAdj. 16pass	H1DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-060	HeadGapAdj. 16pass	H1DfH1Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-061	HeadGapAdj. 16pass	H1DfH1Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-062	HeadGapAdj. 16pass	H1DfH1Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-063	HeadGapAdj. 16pass	H1DfH1Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-064	HeadGapAdj. 16pass	H1DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-065	HeadGapAdj. 16pass	H1DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-066	HeadGapAdj. 16pass	H2DfH2Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-067	HeadGapAdj. 16pass	H2DfH2Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-068	HeadGapAdj. 16pass	H2DfH2Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-	HeadGapAdj.	H2DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
069	16pass			1dot]
3-013-070	HeadGapAdj. 16pass	H2DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-071	HeadGapAdj. 16pass	H2DfH2Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-072	HeadGapAdj. 16pass	H2DfH2Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-073	HeadGapAdj. 16pass	H2DfH2Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-074	HeadGapAdj. 16pass	H2DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-075	HeadGapAdj. 16pass	H3DfH3Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-076	HeadGapAdj. 16pass	H3DfH3Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-077	HeadGapAdj. 16pass	H3DfH3Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-078	HeadGapAdj. 16pass	H3DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-079	HeadGapAdj. 16pass	H3DfH3Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-080	HeadGapAdj. 16pass	H3DfH3Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-081	HeadGapAdj. 16pass	H3DfH3Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-082	HeadGapAdj. 16pass	H1DfH1Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-083	HeadGapAdj. 16pass	H1DfH1Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-084	HeadGapAdj. 16pass	H1DfH1Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-085	HeadGapAdj. 16pass	H1DfH2Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-086	HeadGapAdj. 16pass	H1DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-	HeadGapAdj.	H1DfH1Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
087	16pass			1dot]
3-013-088	HeadGapAdj. 16pass	H1DfH1Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-089	HeadGapAdj. 16pass	H1DfH1Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-090	HeadGapAdj. 16pass	H1DfH1Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-091	HeadGapAdj. 16pass	H1DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-092	HeadGapAdj. 16pass	H1DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-093	HeadGapAdj. 16pass	H2DfH2Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-094	HeadGapAdj. 16pass	H2DfH2Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-095	HeadGapAdj. 16pass	H2DfH2Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-096	HeadGapAdj. 16pass	H2DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-097	HeadGapAdj. 16pass	H2DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-098	HeadGapAdj. 16pass	H2DfH2Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-099	HeadGapAdj. 16pass	H2DfH2Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-100	HeadGapAdj. 16pass	H2DfH2Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-101	HeadGapAdj. 16pass	H2DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-102	HeadGapAdj. 16pass	H3DfH3Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-103	HeadGapAdj. 16pass	H3DfH3Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-104	HeadGapAdj. 16pass	H3DfH3Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-	HeadGapAdj.	H3DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105	16pass			1dot]
3-013-106	HeadGapAdj. 16pass	H3DfH3Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-107	HeadGapAdj. 16pass	H3DfH3Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-013-108	HeadGapAdj. 16pass	H3DfH3Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-001	HeadGapAdj. 16pass	H1DfH1Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-002	HeadGapAdj. 16pass	H1DfH1Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-003	HeadGapAdj. 16pass	H1DfH1Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-004	HeadGapAdj. 16pass	H1DfH2Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-005	HeadGapAdj. 16pass	H1DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-006	HeadGapAdj. 16pass	H1DfH1Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-007	HeadGapAdj. 16pass	H1DfH1Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-008	HeadGapAdj. 16pass	H1DfH1Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-009	HeadGapAdj. 16pass	H1DfH1Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-010	HeadGapAdj. 16pass	H1DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-011	HeadGapAdj. 16pass	H1DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-012	HeadGapAdj. 16pass	H2DfH2Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-013	HeadGapAdj. 16pass	H2DfH2Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-014	HeadGapAdj. 16pass	H2DfH2Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H2DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	16pass			1dot]
3-014-016	HeadGapAdj. 16pass	H2DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-017	HeadGapAdj. 16pass	H2DfH2Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-018	HeadGapAdj. 16pass	H2DfH2Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-019	HeadGapAdj. 16pass	H2DfH2Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-020	HeadGapAdj. 16pass	H2DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-021	HeadGapAdj. 16pass	H3DfH3Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-022	HeadGapAdj. 16pass	H3DfH3Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-023	HeadGapAdj. 16pass	H3DfH3Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-024	HeadGapAdj. 16pass	H3DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-025	HeadGapAdj. 16pass	H3DfH3Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-026	HeadGapAdj. 16pass	H3DfH3Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-027	HeadGapAdj. 16pass	H3DfH3Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-028	HeadGapAdj. 16pass	H1DfH1Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-029	HeadGapAdj. 16pass	H1DfH1Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-030	HeadGapAdj. 16pass	H1DfH1Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-031	HeadGapAdj. 16pass	H1DfH2Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-032	HeadGapAdj. 16pass	H1DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-	HeadGapAdj.	H1DfH1Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033	16pass			1dot]
3-014-034	HeadGapAdj. 16pass	H1DfH1Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-035	HeadGapAdj. 16pass	H1DfH1Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-036	HeadGapAdj. 16pass	H1DfH1Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-037	HeadGapAdj. 16pass	H1DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-038	HeadGapAdj. 16pass	H1DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-039	HeadGapAdj. 16pass	H2DfH2Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-040	HeadGapAdj. 16pass	H2DfH2Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-041	HeadGapAdj. 16pass	H2DfH2Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-042	HeadGapAdj. 16pass	H2DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-043	HeadGapAdj. 16pass	H2DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-044	HeadGapAdj. 16pass	H2DfH2Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-045	HeadGapAdj. 16pass	H2DfH2Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-046	HeadGapAdj. 16pass	H2DfH2Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-047	HeadGapAdj. 16pass	H2DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-048	HeadGapAdj. 16pass	H3DfH3Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-049	HeadGapAdj. 16pass	H3DfH3Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-050	HeadGapAdj. 16pass	H3DfH3Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H3DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051	16pass			1dot]
3-014-052	HeadGapAdj. 16pass	H3DfH3Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-053	HeadGapAdj. 16pass	H3DfH3Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-054	HeadGapAdj. 16pass	H3DfH3Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-055	HeadGapAdj. 16pass	H1DfH1Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-056	HeadGapAdj. 16pass	H1DfH1Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-057	HeadGapAdj. 16pass	H1DfH1Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-058	HeadGapAdj. 16pass	H1DfH2Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-059	HeadGapAdj. 16pass	H1DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-060	HeadGapAdj. 16pass	H1DfH1Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-061	HeadGapAdj. 16pass	H1DfH1Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-062	HeadGapAdj. 16pass	H1DfH1Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-063	HeadGapAdj. 16pass	H1DfH1Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-064	HeadGapAdj. 16pass	H1DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-065	HeadGapAdj. 16pass	H1DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-066	HeadGapAdj. 16pass	H2DfH2Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-067	HeadGapAdj. 16pass	H2DfH2Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-068	HeadGapAdj. 16pass	H2DfH2Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H2DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
069	16pass			1dot]
3-014-070	HeadGapAdj. 16pass	H2DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-071	HeadGapAdj. 16pass	H2DfH2Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-072	HeadGapAdj. 16pass	H2DfH2Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-073	HeadGapAdj. 16pass	H2DfH2Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-074	HeadGapAdj. 16pass	H2DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-075	HeadGapAdj. 16pass	H3DfH3Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-076	HeadGapAdj. 16pass	H3DfH3Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-077	HeadGapAdj. 16pass	H3DfH3Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-078	HeadGapAdj. 16pass	H3DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-079	HeadGapAdj. 16pass	H3DfH3Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-080	HeadGapAdj. 16pass	H3DfH3Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-081	HeadGapAdj. 16pass	H3DfH3Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-082	HeadGapAdj. 16pass	H1DfH1Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-083	HeadGapAdj. 16pass	H1DfH1Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-084	HeadGapAdj. 16pass	H1DfH1Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-085	HeadGapAdj. 16pass	H1DfH2Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-086	HeadGapAdj. 16pass	H1DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-	HeadGapAdj.	H1DfH1Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
087	16pass			1dot]
3-014-088	HeadGapAdj. 16pass	H1DfH1Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-089	HeadGapAdj. 16pass	H1DfH1Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-090	HeadGapAdj. 16pass	H1DfH1Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-091	HeadGapAdj. 16pass	H1DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-092	HeadGapAdj. 16pass	H1DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-093	HeadGapAdj. 16pass	H2DfH2Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-094	HeadGapAdj. 16pass	H2DfH2Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-095	HeadGapAdj. 16pass	H2DfH2Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-096	HeadGapAdj. 16pass	H2DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-097	HeadGapAdj. 16pass	H2DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-098	HeadGapAdj. 16pass	H2DfH2Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-099	HeadGapAdj. 16pass	H2DfH2Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-100	HeadGapAdj. 16pass	H2DfH2Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-101	HeadGapAdj. 16pass	H2DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-102	HeadGapAdj. 16pass	H3DfH3Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-103	HeadGapAdj. 16pass	H3DfH3Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-104	HeadGapAdj. 16pass	H3DfH3Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H3DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105	16pass			1dot]
3-014-106	HeadGapAdj. 16pass	H3DfH3Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-107	HeadGapAdj. 16pass	H3DfH3Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-108	HeadGapAdj. 16pass	H3DfH3Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-111	HeadGapAdj. 16pass	H1DfH1Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-112	HeadGapAdj. 16pass	H1DfH1Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-113	HeadGapAdj. 16pass	H1DfH1Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-114	HeadGapAdj. 16pass	H1DfH2Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-115	HeadGapAdj. 16pass	H1DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-116	HeadGapAdj. 16pass	H1DfH1Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-117	HeadGapAdj. 16pass	H1DfH1Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-118	HeadGapAdj. 16pass	H1DfH1Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-119	HeadGapAdj. 16pass	H1DfH1Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-120	HeadGapAdj. 16pass	H1DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-121	HeadGapAdj. 16pass	H1DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-122	HeadGapAdj. 16pass	H2DfH2Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-123	HeadGapAdj. 16pass	H2DfH2Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-124	HeadGapAdj. 16pass	H2DfH2Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H2DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
125	16pass			1dot]
3-014-126	HeadGapAdj. 16pass	H2DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-127	HeadGapAdj. 16pass	H2DfH2Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-128	HeadGapAdj. 16pass	H2DfH2Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-129	HeadGapAdj. 16pass	H2DfH2Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-130	HeadGapAdj. 16pass	H2DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-131	HeadGapAdj. 16pass	H3DfH3Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-132	HeadGapAdj. 16pass	H3DfH3Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-133	HeadGapAdj. 16pass	H3DfH3Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-134	HeadGapAdj. 16pass	H3DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-135	HeadGapAdj. 16pass	H3DfH3Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-136	HeadGapAdj. 16pass	H3DfH3Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-137	HeadGapAdj. 16pass	H3DfH3Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-138	HeadGapAdj. 16pass	H1DfH1Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-139	HeadGapAdj. 16pass	H1DfH1Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-140	HeadGapAdj. 16pass	H1DfH1Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-141	HeadGapAdj. 16pass	H1DfH2Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-142	HeadGapAdj. 16pass	H1DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-	HeadGapAdj.	H1DfH1Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
143	16pass			/ 1dot]
3-014-144	HeadGapAdj. 16pass	H1DfH1Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-145	HeadGapAdj. 16pass	H1DfH1Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-146	HeadGapAdj. 16pass	H1DfH1Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-147	HeadGapAdj. 16pass	H1DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-148	HeadGapAdj. 16pass	H1DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-149	HeadGapAdj. 16pass	H2DfH2Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-150	HeadGapAdj. 16pass	H2DfH2Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-151	HeadGapAdj. 16pass	H2DfH2Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-152	HeadGapAdj. 16pass	H2DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-153	HeadGapAdj. 16pass	H2DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-154	HeadGapAdj. 16pass	H2DfH2Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-155	HeadGapAdj. 16pass	H2DfH2Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-156	HeadGapAdj. 16pass	H2DfH2Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-157	HeadGapAdj. 16pass	H2DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-158	HeadGapAdj. 16pass	H3DfH3Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-159	HeadGapAdj. 16pass	H3DfH3Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-160	HeadGapAdj. 16pass	H3DfH3Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H3DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
161	16pass			/ 1dot]
3-014-162	HeadGapAdj. 16pass	H3DfH3Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-163	HeadGapAdj. 16pass	H3DfH3Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-164	HeadGapAdj. 16pass	H3DfH3Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-165	HeadGapAdj. 16pass	H1DfH1Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-166	HeadGapAdj. 16pass	H1DfH1Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-167	HeadGapAdj. 16pass	H1DfH1Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-168	HeadGapAdj. 16pass	H1DfH2Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-169	HeadGapAdj. 16pass	H1DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-170	HeadGapAdj. 16pass	H1DfH1Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-171	HeadGapAdj. 16pass	H1DfH1Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-172	HeadGapAdj. 16pass	H1DfH1Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-173	HeadGapAdj. 16pass	H1DfH1Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-174	HeadGapAdj. 16pass	H1DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-175	HeadGapAdj. 16pass	H1DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-176	HeadGapAdj. 16pass	H2DfH2Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-177	HeadGapAdj. 16pass	H2DfH2Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-178	HeadGapAdj. 16pass	H2DfH2Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H2DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
179	16pass			1dot]
3-014-180	HeadGapAdj. 16pass	H2DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-181	HeadGapAdj. 16pass	H2DfH2Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-182	HeadGapAdj. 16pass	H2DfH2Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-183	HeadGapAdj. 16pass	H2DfH2Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-184	HeadGapAdj. 16pass	H2DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-185	HeadGapAdj. 16pass	H3DfH3Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-186	HeadGapAdj. 16pass	H3DfH3Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-187	HeadGapAdj. 16pass	H3DfH3Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-188	HeadGapAdj. 16pass	H3DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-189	HeadGapAdj. 16pass	H3DfH3Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-190	HeadGapAdj. 16pass	H3DfH3Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-191	HeadGapAdj. 16pass	H3DfH3Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-192	HeadGapAdj. 16pass	H1DfH1Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-193	HeadGapAdj. 16pass	H1DfH1Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-194	HeadGapAdj. 16pass	H1DfH1Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-195	HeadGapAdj. 16pass	H1DfH2Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-014-196	HeadGapAdj. 16pass	H1DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-014-	HeadGapAdj.	H1DfH1Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
197	16pass			/ 1dot]
3-014-198	HeadGapAdj. 16pass	H1DfH1Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-199	HeadGapAdj. 16pass	H1DfH1Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-200	HeadGapAdj. 16pass	H1DfH1Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-201	HeadGapAdj. 16pass	H1DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-202	HeadGapAdj. 16pass	H1DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-203	HeadGapAdj. 16pass	H2DfH2Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-204	HeadGapAdj. 16pass	H2DfH2Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-205	HeadGapAdj. 16pass	H2DfH2Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-206	HeadGapAdj. 16pass	H2DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-207	HeadGapAdj. 16pass	H2DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-208	HeadGapAdj. 16pass	H2DfH2Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-209	HeadGapAdj. 16pass	H2DfH2Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-210	HeadGapAdj. 16pass	H2DfH2Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-211	HeadGapAdj. 16pass	H2DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-212	HeadGapAdj. 16pass	H3DfH3Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-213	HeadGapAdj. 16pass	H3DfH3Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-214	HeadGapAdj. 16pass	H3DfH3Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-014-	HeadGapAdj.	H3DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
215	16pass			/ 1dot]
3-014-216	HeadGapAdj. 16pass	H3DfH3Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-217	HeadGapAdj. 16pass	H3DfH3Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-014-218	HeadGapAdj. 16pass	H3DfH3Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-015-001	HeadGapAdj. 32pass	H1DfH1Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-002	HeadGapAdj. 32pass	H1DfH1Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-003	HeadGapAdj. 32pass	H1DfH1Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-004	HeadGapAdj. 32pass	H1DfH2Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-005	HeadGapAdj. 32pass	H1DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-006	HeadGapAdj. 32pass	H1DfH1Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-007	HeadGapAdj. 32pass	H1DfH1Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-008	HeadGapAdj. 32pass	H1DfH1Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-009	HeadGapAdj. 32pass	H1DfH1Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-010	HeadGapAdj. 32pass	H1DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-011	HeadGapAdj. 32pass	H1DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-012	HeadGapAdj. 32pass	H2DfH2Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-013	HeadGapAdj. 32pass	H2DfH2Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-014	HeadGapAdj. 32pass	H2DfH2Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-	HeadGapAdj.	H2DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	32pass			1dot]
3-015-016	HeadGapAdj. 32pass	H2DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-017	HeadGapAdj. 32pass	H2DfH2Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-018	HeadGapAdj. 32pass	H2DfH2Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-019	HeadGapAdj. 32pass	H2DfH2Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-020	HeadGapAdj. 32pass	H2DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-021	HeadGapAdj. 32pass	H3DfH3Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-022	HeadGapAdj. 32pass	H3DfH3Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-023	HeadGapAdj. 32pass	H3DfH3Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-024	HeadGapAdj. 32pass	H3DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-025	HeadGapAdj. 32pass	H3DfH3Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-026	HeadGapAdj. 32pass	H3DfH3Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-027	HeadGapAdj. 32pass	H3DfH3Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-028	HeadGapAdj. 32pass	H1DfH1Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-029	HeadGapAdj. 32pass	H1DfH1Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-030	HeadGapAdj. 32pass	H1DfH1Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-031	HeadGapAdj. 32pass	H1DfH2Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-032	HeadGapAdj. 32pass	H1DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-	HeadGapAdj.	H1DfH1Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033	32pass			1dot]
3-015-034	HeadGapAdj. 32pass	H1DfH1Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-035	HeadGapAdj. 32pass	H1DfH1Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-036	HeadGapAdj. 32pass	H1DfH1Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-037	HeadGapAdj. 32pass	H1DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-038	HeadGapAdj. 32pass	H1DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-039	HeadGapAdj. 32pass	H2DfH2Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-040	HeadGapAdj. 32pass	H2DfH2Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-041	HeadGapAdj. 32pass	H2DfH2Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-042	HeadGapAdj. 32pass	H2DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-043	HeadGapAdj. 32pass	H2DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-044	HeadGapAdj. 32pass	H2DfH2Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-045	HeadGapAdj. 32pass	H2DfH2Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-046	HeadGapAdj. 32pass	H2DfH2Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-047	HeadGapAdj. 32pass	H2DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-048	HeadGapAdj. 32pass	H3DfH3Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-049	HeadGapAdj. 32pass	H3DfH3Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-050	HeadGapAdj. 32pass	H3DfH3Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-	HeadGapAdj.	H3DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051	32pass			1dot]
3-015-052	HeadGapAdj. 32pass	H3DfH3Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-053	HeadGapAdj. 32pass	H3DfH3Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-054	HeadGapAdj. 32pass	H3DfH3Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-055	HeadGapAdj. 32pass	H1DfH1Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-056	HeadGapAdj. 32pass	H1DfH1Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-057	HeadGapAdj. 32pass	H1DfH1Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-058	HeadGapAdj. 32pass	H1DfH2Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-059	HeadGapAdj. 32pass	H1DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-060	HeadGapAdj. 32pass	H1DfH1Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-061	HeadGapAdj. 32pass	H1DfH1Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-062	HeadGapAdj. 32pass	H1DfH1Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-063	HeadGapAdj. 32pass	H1DfH1Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-064	HeadGapAdj. 32pass	H1DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-065	HeadGapAdj. 32pass	H1DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-066	HeadGapAdj. 32pass	H2DfH2Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-067	HeadGapAdj. 32pass	H2DfH2Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-068	HeadGapAdj. 32pass	H2DfH2Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-	HeadGapAdj.	H2DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
069	32pass			1dot]
3-015-070	HeadGapAdj. 32pass	H2DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-071	HeadGapAdj. 32pass	H2DfH2Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-072	HeadGapAdj. 32pass	H2DfH2Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-073	HeadGapAdj. 32pass	H2DfH2Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-074	HeadGapAdj. 32pass	H2DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-075	HeadGapAdj. 32pass	H3DfH3Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-076	HeadGapAdj. 32pass	H3DfH3Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-077	HeadGapAdj. 32pass	H3DfH3Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-078	HeadGapAdj. 32pass	H3DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-079	HeadGapAdj. 32pass	H3DfH3Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-080	HeadGapAdj. 32pass	H3DfH3Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-081	HeadGapAdj. 32pass	H3DfH3Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-082	HeadGapAdj. 32pass	H1DfH1Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-083	HeadGapAdj. 32pass	H1DfH1Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-084	HeadGapAdj. 32pass	H1DfH1Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-085	HeadGapAdj. 32pass	H1DfH2Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-086	HeadGapAdj. 32pass	H1DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-	HeadGapAdj.	H1DfH1Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
087	32pass			1dot]
3-015-088	HeadGapAdj. 32pass	H1DfH1Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-089	HeadGapAdj. 32pass	H1DfH1Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-090	HeadGapAdj. 32pass	H1DfH1Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-091	HeadGapAdj. 32pass	H1DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-092	HeadGapAdj. 32pass	H1DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-093	HeadGapAdj. 32pass	H2DfH2Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-094	HeadGapAdj. 32pass	H2DfH2Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-095	HeadGapAdj. 32pass	H2DfH2Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-096	HeadGapAdj. 32pass	H2DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-097	HeadGapAdj. 32pass	H2DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-098	HeadGapAdj. 32pass	H2DfH2Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-099	HeadGapAdj. 32pass	H2DfH2Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-100	HeadGapAdj. 32pass	H2DfH2Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-101	HeadGapAdj. 32pass	H2DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-102	HeadGapAdj. 32pass	H3DfH3Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-103	HeadGapAdj. 32pass	H3DfH3Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-104	HeadGapAdj. 32pass	H3DfH3Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-	HeadGapAdj.	H3DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105	32pass			1dot]
3-015-106	HeadGapAdj. 32pass	H3DfH3Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-107	HeadGapAdj. 32pass	H3DfH3Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-015-108	HeadGapAdj. 32pass	H3DfH3Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-001	HeadGapAdj. 32pass	H1DfH1Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-002	HeadGapAdj. 32pass	H1DfH1Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-003	HeadGapAdj. 32pass	H1DfH1Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-004	HeadGapAdj. 32pass	H1DfH2Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-005	HeadGapAdj. 32pass	H1DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-006	HeadGapAdj. 32pass	H1DfH1Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-007	HeadGapAdj. 32pass	H1DfH1Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-008	HeadGapAdj. 32pass	H1DfH1Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-009	HeadGapAdj. 32pass	H1DfH1Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-010	HeadGapAdj. 32pass	H1DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-011	HeadGapAdj. 32pass	H1DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-012	HeadGapAdj. 32pass	H2DfH2Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-013	HeadGapAdj. 32pass	H2DfH2Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-014	HeadGapAdj. 32pass	H2DfH2Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H2DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	32pass			1dot]
3-016-016	HeadGapAdj. 32pass	H2DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-017	HeadGapAdj. 32pass	H2DfH2Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-018	HeadGapAdj. 32pass	H2DfH2Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-019	HeadGapAdj. 32pass	H2DfH2Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-020	HeadGapAdj. 32pass	H2DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-021	HeadGapAdj. 32pass	H3DfH3Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-022	HeadGapAdj. 32pass	H3DfH3Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-023	HeadGapAdj. 32pass	H3DfH3Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-024	HeadGapAdj. 32pass	H3DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-025	HeadGapAdj. 32pass	H3DfH3Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-026	HeadGapAdj. 32pass	H3DfH3Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-027	HeadGapAdj. 32pass	H3DfH3Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-028	HeadGapAdj. 32pass	H1DfH1Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-029	HeadGapAdj. 32pass	H1DfH1Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-030	HeadGapAdj. 32pass	H1DfH1Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-031	HeadGapAdj. 32pass	H1DfH2Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-032	HeadGapAdj. 32pass	H1DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-	HeadGapAdj.	H1DfH1Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
033	32pass			1dot]
3-016-034	HeadGapAdj. 32pass	H1DfH1Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-035	HeadGapAdj. 32pass	H1DfH1Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-036	HeadGapAdj. 32pass	H1DfH1Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-037	HeadGapAdj. 32pass	H1DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-038	HeadGapAdj. 32pass	H1DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-039	HeadGapAdj. 32pass	H2DfH2Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-040	HeadGapAdj. 32pass	H2DfH2Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-041	HeadGapAdj. 32pass	H2DfH2Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-042	HeadGapAdj. 32pass	H2DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-043	HeadGapAdj. 32pass	H2DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-044	HeadGapAdj. 32pass	H2DfH2Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-045	HeadGapAdj. 32pass	H2DfH2Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-046	HeadGapAdj. 32pass	H2DfH2Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-047	HeadGapAdj. 32pass	H2DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-048	HeadGapAdj. 32pass	H3DfH3Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-049	HeadGapAdj. 32pass	H3DfH3Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-050	HeadGapAdj. 32pass	H3DfH3Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H3DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
051	32pass			1dot]
3-016-052	HeadGapAdj. 32pass	H3DfH3Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-053	HeadGapAdj. 32pass	H3DfH3Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-054	HeadGapAdj. 32pass	H3DfH3Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-055	HeadGapAdj. 32pass	H1DfH1Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-056	HeadGapAdj. 32pass	H1DfH1Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-057	HeadGapAdj. 32pass	H1DfH1Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-058	HeadGapAdj. 32pass	H1DfH2Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-059	HeadGapAdj. 32pass	H1DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-060	HeadGapAdj. 32pass	H1DfH1Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-061	HeadGapAdj. 32pass	H1DfH1Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-062	HeadGapAdj. 32pass	H1DfH1Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-063	HeadGapAdj. 32pass	H1DfH1Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-064	HeadGapAdj. 32pass	H1DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-065	HeadGapAdj. 32pass	H1DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-066	HeadGapAdj. 32pass	H2DfH2Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-067	HeadGapAdj. 32pass	H2DfH2Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-068	HeadGapAdj. 32pass	H2DfH2Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H2DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
069	32pass			1dot]
3-016-070	HeadGapAdj. 32pass	H2DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-071	HeadGapAdj. 32pass	H2DfH2Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-072	HeadGapAdj. 32pass	H2DfH2Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-073	HeadGapAdj. 32pass	H2DfH2Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-074	HeadGapAdj. 32pass	H2DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-075	HeadGapAdj. 32pass	H3DfH3Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-076	HeadGapAdj. 32pass	H3DfH3Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-077	HeadGapAdj. 32pass	H3DfH3Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-078	HeadGapAdj. 32pass	H3DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-079	HeadGapAdj. 32pass	H3DfH3Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-080	HeadGapAdj. 32pass	H3DfH3Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-081	HeadGapAdj. 32pass	H3DfH3Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-082	HeadGapAdj. 32pass	H1DfH1Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-083	HeadGapAdj. 32pass	H1DfH1Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-084	HeadGapAdj. 32pass	H1DfH1Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-085	HeadGapAdj. 32pass	H1DfH2Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-086	HeadGapAdj. 32pass	H1DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-	HeadGapAdj.	H1DfH1Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
087	32pass			1dot]
3-016-088	HeadGapAdj. 32pass	H1DfH1Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-089	HeadGapAdj. 32pass	H1DfH1Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-090	HeadGapAdj. 32pass	H1DfH1Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-091	HeadGapAdj. 32pass	H1DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-092	HeadGapAdj. 32pass	H1DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-093	HeadGapAdj. 32pass	H2DfH2Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-094	HeadGapAdj. 32pass	H2DfH2Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-095	HeadGapAdj. 32pass	H2DfH2Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-096	HeadGapAdj. 32pass	H2DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-097	HeadGapAdj. 32pass	H2DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-098	HeadGapAdj. 32pass	H2DfH2Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-099	HeadGapAdj. 32pass	H2DfH2Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-100	HeadGapAdj. 32pass	H2DfH2Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-101	HeadGapAdj. 32pass	H2DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-102	HeadGapAdj. 32pass	H3DfH3Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-103	HeadGapAdj. 32pass	H3DfH3Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-104	HeadGapAdj. 32pass	H3DfH3Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H3DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105	32pass			1dot]
3-016-106	HeadGapAdj. 32pass	H3DfH3Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-107	HeadGapAdj. 32pass	H3DfH3Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-108	HeadGapAdj. 32pass	H3DfH3Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-111	HeadGapAdj. 32pass	H1DfH1Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-112	HeadGapAdj. 32pass	H1DfH1Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-113	HeadGapAdj. 32pass	H1DfH1Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-114	HeadGapAdj. 32pass	H1DfH2Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-115	HeadGapAdj. 32pass	H1DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-116	HeadGapAdj. 32pass	H1DfH1Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-117	HeadGapAdj. 32pass	H1DfH1Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-118	HeadGapAdj. 32pass	H1DfH1Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-119	HeadGapAdj. 32pass	H1DfH1Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-120	HeadGapAdj. 32pass	H1DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-121	HeadGapAdj. 32pass	H1DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-122	HeadGapAdj. 32pass	H2DfH2Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-123	HeadGapAdj. 32pass	H2DfH2Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-124	HeadGapAdj. 32pass	H2DfH2Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H2DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
125	32pass			1dot]
3-016-126	HeadGapAdj. 32pass	H2DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-127	HeadGapAdj. 32pass	H2DfH2Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-128	HeadGapAdj. 32pass	H2DfH2Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-129	HeadGapAdj. 32pass	H2DfH2Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-130	HeadGapAdj. 32pass	H2DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-131	HeadGapAdj. 32pass	H3DfH3Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-132	HeadGapAdj. 32pass	H3DfH3Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-133	HeadGapAdj. 32pass	H3DfH3Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-134	HeadGapAdj. 32pass	H3DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-135	HeadGapAdj. 32pass	H3DfH3Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-136	HeadGapAdj. 32pass	H3DfH3Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-137	HeadGapAdj. 32pass	H3DfH3Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-138	HeadGapAdj. 32pass	H1DfH1Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-139	HeadGapAdj. 32pass	H1DfH1Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-140	HeadGapAdj. 32pass	H1DfH1Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-141	HeadGapAdj. 32pass	H1DfH2Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-142	HeadGapAdj. 32pass	H1DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-	HeadGapAdj.	H1DfH1Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
143	32pass			/ 1dot]
3-016-144	HeadGapAdj. 32pass	H1DfH1Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-145	HeadGapAdj. 32pass	H1DfH1Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-146	HeadGapAdj. 32pass	H1DfH1Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-147	HeadGapAdj. 32pass	H1DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-148	HeadGapAdj. 32pass	H1DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-149	HeadGapAdj. 32pass	H2DfH2Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-150	HeadGapAdj. 32pass	H2DfH2Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-151	HeadGapAdj. 32pass	H2DfH2Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-152	HeadGapAdj. 32pass	H2DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-153	HeadGapAdj. 32pass	H2DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-154	HeadGapAdj. 32pass	H2DfH2Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-155	HeadGapAdj. 32pass	H2DfH2Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-156	HeadGapAdj. 32pass	H2DfH2Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-157	HeadGapAdj. 32pass	H2DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-158	HeadGapAdj. 32pass	H3DfH3Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-159	HeadGapAdj. 32pass	H3DfH3Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-160	HeadGapAdj. 32pass	H3DfH3Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H3DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
161	32pass			/ 1dot]
3-016-162	HeadGapAdj. 32pass	H3DfH3Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-163	HeadGapAdj. 32pass	H3DfH3Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-164	HeadGapAdj. 32pass	H3DfH3Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-165	HeadGapAdj. 32pass	H1DfH1Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-166	HeadGapAdj. 32pass	H1DfH1Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-167	HeadGapAdj. 32pass	H1DfH1Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-168	HeadGapAdj. 32pass	H1DfH2Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-169	HeadGapAdj. 32pass	H1DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-170	HeadGapAdj. 32pass	H1DfH1Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-171	HeadGapAdj. 32pass	H1DfH1Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-172	HeadGapAdj. 32pass	H1DfH1Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-173	HeadGapAdj. 32pass	H1DfH1Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-174	HeadGapAdj. 32pass	H1DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-175	HeadGapAdj. 32pass	H1DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-176	HeadGapAdj. 32pass	H2DfH2Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-177	HeadGapAdj. 32pass	H2DfH2Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-178	HeadGapAdj. 32pass	H2DfH2Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H2DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
179	32pass			1dot]
3-016-180	HeadGapAdj. 32pass	H2DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-181	HeadGapAdj. 32pass	H2DfH2Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-182	HeadGapAdj. 32pass	H2DfH2Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-183	HeadGapAdj. 32pass	H2DfH2Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-184	HeadGapAdj. 32pass	H2DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-185	HeadGapAdj. 32pass	H3DfH3Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-186	HeadGapAdj. 32pass	H3DfH3Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-187	HeadGapAdj. 32pass	H3DfH3Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-188	HeadGapAdj. 32pass	H3DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-189	HeadGapAdj. 32pass	H3DfH3Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-190	HeadGapAdj. 32pass	H3DfH3Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-191	HeadGapAdj. 32pass	H3DfH3Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-192	HeadGapAdj. 32pass	H1DfH1Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-193	HeadGapAdj. 32pass	H1DfH1Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-194	HeadGapAdj. 32pass	H1DfH1Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-195	HeadGapAdj. 32pass	H1DfH2Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-016-196	HeadGapAdj. 32pass	H1DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-016-	HeadGapAdj.	H1DfH1Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
197	32pass			/ 1dot]
3-016-198	HeadGapAdj. 32pass	H1DfH1Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-199	HeadGapAdj. 32pass	H1DfH1Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-200	HeadGapAdj. 32pass	H1DfH1Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-201	HeadGapAdj. 32pass	H1DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-202	HeadGapAdj. 32pass	H1DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-203	HeadGapAdj. 32pass	H2DfH2Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-204	HeadGapAdj. 32pass	H2DfH2Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-205	HeadGapAdj. 32pass	H2DfH2Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-206	HeadGapAdj. 32pass	H2DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-207	HeadGapAdj. 32pass	H2DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-208	HeadGapAdj. 32pass	H2DfH2Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-209	HeadGapAdj. 32pass	H2DfH2Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-210	HeadGapAdj. 32pass	H2DfH2Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-211	HeadGapAdj. 32pass	H2DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-212	HeadGapAdj. 32pass	H3DfH3Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-213	HeadGapAdj. 32pass	H3DfH3Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-214	HeadGapAdj. 32pass	H3DfH3Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-016-	HeadGapAdj.	H3DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
215	32pass			/ 1dot]
3-016-216	HeadGapAdj. 32pass	H3DfH3Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-217	HeadGapAdj. 32pass	H3DfH3Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-016-218	HeadGapAdj. 32pass	H3DfH3Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-017-001	HeadGapAdj. Manual	H1DfH1Cf:ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-002	HeadGapAdj. Manual	H1DfH1Bf:ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-003	HeadGapAdj. Manual	H1DfH1Af:ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-004	HeadGapAdj. Manual	H1DfH2Df:ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-005	HeadGapAdj. Manual	H1DfH3Df:ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-006	HeadGapAdj. Manual	H1DfH1Dr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-007	HeadGapAdj. Manual	H1DfH1Cr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-008	HeadGapAdj. Manual	H1DfH1Br:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-009	HeadGapAdj. Manual	H1DfH1Ar:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-010	HeadGapAdj. Manual	H1DfH2Dr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-011	HeadGapAdj. Manual	H1DfH3Dr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-012	HeadGapAdj. Manual	H2DfH2Cf:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-013	HeadGapAdj. Manual	H2DfH2Bf:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-014	HeadGapAdj. Manual	H2DfH2Af:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-	HeadGapAdj.	H2DfH3Df:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
015	Manual			1dot]
3-017-016	HeadGapAdj. Manual	H2DfH2Dr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-017	HeadGapAdj. Manual	H2DfH2Cr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-018	HeadGapAdj. Manual	H2DfH2Br:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-019	HeadGapAdj. Manual	H2DfH2Ar:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-020	HeadGapAdj. Manual	H2DfH3Dr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-021	HeadGapAdj. Manual	H3DfH3Cf:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-022	HeadGapAdj. Manual	H3DfH3Bf:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-023	HeadGapAdj. Manual	H3DfH3Af:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-024	HeadGapAdj. Manual	H3DfH3Dr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-025	HeadGapAdj. Manual	H3DfH3Cr:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-026	HeadGapAdj. Manual	H3DfH3Br:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-017-027	HeadGapAdj. Manual	H3DfH3Ar:Adj.ManualAdj.Value	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-001	HeadGapAdj. W 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-002	HeadGapAdj. W 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-003	HeadGapAdj. W 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-004	HeadGapAdj. W 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-005	HeadGapAdj. W 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-	HeadGapAdj. W	H1DfH1Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006	12pass			1dot]
3-029-007	HeadGapAdj. W 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-008	HeadGapAdj. W 12pass	H1DfH1Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-009	HeadGapAdj. W 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-010	HeadGapAdj. W 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-011	HeadGapAdj. W 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-012	HeadGapAdj. W 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-013	HeadGapAdj. W 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-014	HeadGapAdj. W 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-015	HeadGapAdj. W 12pass	H2DfH3Df:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-016	HeadGapAdj. W 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-017	HeadGapAdj. W 12pass	H2DfH2Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-018	HeadGapAdj. W 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-019	HeadGapAdj. W 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-020	HeadGapAdj. W 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-021	HeadGapAdj. W 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-022	HeadGapAdj. W 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-023	HeadGapAdj. W 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-	HeadGapAdj. W	H3DfH3Dr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024	12pass			1dot]
3-029-025	HeadGapAdj. W 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-026	HeadGapAdj. W 12pass	H3DfH3Br:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-027	HeadGapAdj. W 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-028	HeadGapAdj. W 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-029	HeadGapAdj. W 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-030	HeadGapAdj. W 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-031	HeadGapAdj. W 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-032	HeadGapAdj. W 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-033	HeadGapAdj. W 12pass	H1DfH1Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-034	HeadGapAdj. W 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-035	HeadGapAdj. W 12pass	H1DfH1Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-036	HeadGapAdj. W 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-037	HeadGapAdj. W 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-038	HeadGapAdj. W 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-039	HeadGapAdj. W 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-040	HeadGapAdj. W 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-041	HeadGapAdj. W 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-	HeadGapAdj. W	H2DfH3Df:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
042	12pass			1dot]
3-029-043	HeadGapAdj. W 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-044	HeadGapAdj. W 12pass	H2DfH2Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-045	HeadGapAdj. W 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-046	HeadGapAdj. W 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-047	HeadGapAdj. W 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-048	HeadGapAdj. W 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-049	HeadGapAdj. W 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-050	HeadGapAdj. W 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-051	HeadGapAdj. W 12pass	H3DfH3Dr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-052	HeadGapAdj. W 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-053	HeadGapAdj. W 12pass	H3DfH3Br:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-054	HeadGapAdj. W 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-055	HeadGapAdj. W 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-056	HeadGapAdj. W 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-057	HeadGapAdj. W 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-058	HeadGapAdj. W 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-059	HeadGapAdj. W 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-	HeadGapAdj. W	H1DfH1Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060	12pass			1dot]
3-029-061	HeadGapAdj. W 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-062	HeadGapAdj. W 12pass	H1DfH1Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-063	HeadGapAdj. W 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-064	HeadGapAdj. W 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-065	HeadGapAdj. W 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-066	HeadGapAdj. W 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-067	HeadGapAdj. W 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-068	HeadGapAdj. W 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-069	HeadGapAdj. W 12pass	H2DfH3Df:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-070	HeadGapAdj. W 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-071	HeadGapAdj. W 12pass	H2DfH2Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-072	HeadGapAdj. W 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-073	HeadGapAdj. W 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-074	HeadGapAdj. W 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-075	HeadGapAdj. W 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-076	HeadGapAdj. W 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-077	HeadGapAdj. W 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-	HeadGapAdj. W	H3DfH3Dr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
078	12pass			1dot]
3-029-079	HeadGapAdj. W 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-080	HeadGapAdj. W 12pass	H3DfH3Br:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-081	HeadGapAdj. W 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-082	HeadGapAdj. W 12pass	H1DfH1Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-083	HeadGapAdj. W 12pass	H1DfH1Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-084	HeadGapAdj. W 12pass	H1DfH1Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-085	HeadGapAdj. W 12pass	H1DfH2Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-086	HeadGapAdj. W 12pass	H1DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-087	HeadGapAdj. W 12pass	H1DfH1Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-088	HeadGapAdj. W 12pass	H1DfH1Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-089	HeadGapAdj. W 12pass	H1DfH1Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-090	HeadGapAdj. W 12pass	H1DfH1Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-091	HeadGapAdj. W 12pass	H1DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-092	HeadGapAdj. W 12pass	H1DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-093	HeadGapAdj. W 12pass	H2DfH2Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-094	HeadGapAdj. W 12pass	H2DfH2Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-095	HeadGapAdj. W 12pass	H2DfH2Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-	HeadGapAdj. W	H2DfH3Df:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
096	12pass			1dot]
3-029-097	HeadGapAdj. W 12pass	H2DfH2Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-098	HeadGapAdj. W 12pass	H2DfH2Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-099	HeadGapAdj. W 12pass	H2DfH2Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-100	HeadGapAdj. W 12pass	H2DfH2Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-101	HeadGapAdj. W 12pass	H2DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-102	HeadGapAdj. W 12pass	H3DfH3Cf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-103	HeadGapAdj. W 12pass	H3DfH3Bf:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-104	HeadGapAdj. W 12pass	H3DfH3Af:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-105	HeadGapAdj. W 12pass	H3DfH3Dr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-106	HeadGapAdj. W 12pass	H3DfH3Cr:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-107	HeadGapAdj. W 12pass	H3DfH3Br:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-029-108	HeadGapAdj. W 12pass	H3DfH3Ar:Adj.ValueOnFitting:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]

SP3-030 to SP3-207

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-030-001	HeadGapAdj. W 12pass	H1DfH1Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-002	HeadGapAdj. W 12pass	H1DfH1Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H1DfH1Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-003	12pass			/ 1dot]
3-030-004	HeadGapAdj. W 12pass	H1DfH2Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-005	HeadGapAdj. W 12pass	H1DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-030-006	HeadGapAdj. W 12pass	H1DfH1Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-007	HeadGapAdj. W 12pass	H1DfH1Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-008	HeadGapAdj. W 12pass	H1DfH1Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-009	HeadGapAdj. W 12pass	H1DfH1Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-010	HeadGapAdj. W 12pass	H1DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-011	HeadGapAdj. W 12pass	H1DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-012	HeadGapAdj. W 12pass	H2DfH2Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-013	HeadGapAdj. W 12pass	H2DfH2Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-014	HeadGapAdj. W 12pass	H2DfH2Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H2DfH3Df:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-015	12pass			/ 1dot]
3-030-016	HeadGapAdj. W 12pass	H2DfH2Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-017	HeadGapAdj. W 12pass	H2DfH2Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-018	HeadGapAdj. W 12pass	H2DfH2Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-019	HeadGapAdj. W 12pass	H2DfH2Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-020	HeadGapAdj. W 12pass	H2DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-021	HeadGapAdj. W 12pass	H3DfH3Cf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-022	HeadGapAdj. W 12pass	H3DfH3Bf:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-023	HeadGapAdj. W 12pass	H3DfH3Af:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-024	HeadGapAdj. W 12pass	H3DfH3Dr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-025	HeadGapAdj. W 12pass	H3DfH3Cr:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-026	HeadGapAdj. W 12pass	H3DfH3Br:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H3DfH3Ar:BypassFeed:Thick1	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-027	12pass			/ 1dot]
3-030-028	HeadGapAdj. W 12pass	H1DfH1Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-029	HeadGapAdj. W 12pass	H1DfH1Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-030	HeadGapAdj. W 12pass	H1DfH1Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-031	HeadGapAdj. W 12pass	H1DfH2Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-032	HeadGapAdj. W 12pass	H1DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-030-033	HeadGapAdj. W 12pass	H1DfH1Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-034	HeadGapAdj. W 12pass	H1DfH1Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-035	HeadGapAdj. W 12pass	H1DfH1Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-036	HeadGapAdj. W 12pass	H1DfH1Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-037	HeadGapAdj. W 12pass	H1DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-038	HeadGapAdj. W 12pass	H1DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H2DfH2Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-039	12pass			/ 1dot]
3-030-040	HeadGapAdj. W 12pass	H2DfH2Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-041	HeadGapAdj. W 12pass	H2DfH2Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-042	HeadGapAdj. W 12pass	H2DfH3Df:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-043	HeadGapAdj. W 12pass	H2DfH2Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-044	HeadGapAdj. W 12pass	H2DfH2Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-045	HeadGapAdj. W 12pass	H2DfH2Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-046	HeadGapAdj. W 12pass	H2DfH2Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-047	HeadGapAdj. W 12pass	H2DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-048	HeadGapAdj. W 12pass	H3DfH3Cf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-049	HeadGapAdj. W 12pass	H3DfH3Bf:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-050	HeadGapAdj. W 12pass	H3DfH3Af:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H3DfH3Dr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-051	12pass			/ 1dot]
3-030-052	HeadGapAdj. W 12pass	H3DfH3Cr:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-053	HeadGapAdj. W 12pass	H3DfH3Br:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-054	HeadGapAdj. W 12pass	H3DfH3Ar:BypassFeed:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-055	HeadGapAdj. W 12pass	H1DfH1Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-056	HeadGapAdj. W 12pass	H1DfH1Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-057	HeadGapAdj. W 12pass	H1DfH1Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-058	HeadGapAdj. W 12pass	H1DfH2Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-059	HeadGapAdj. W 12pass	H1DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-030-060	HeadGapAdj. W 12pass	H1DfH1Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-061	HeadGapAdj. W 12pass	H1DfH1Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-062	HeadGapAdj. W 12pass	H1DfH1Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H1DfH1Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-063	12pass			/ 1dot]
3-030-064	HeadGapAdj. W 12pass	H1DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-065	HeadGapAdj. W 12pass	H1DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-066	HeadGapAdj. W 12pass	H2DfH2Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-067	HeadGapAdj. W 12pass	H2DfH2Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-068	HeadGapAdj. W 12pass	H2DfH2Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-069	HeadGapAdj. W 12pass	H2DfH3Df:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-070	HeadGapAdj. W 12pass	H2DfH2Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-071	HeadGapAdj. W 12pass	H2DfH2Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-072	HeadGapAdj. W 12pass	H2DfH2Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-073	HeadGapAdj. W 12pass	H2DfH2Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-074	HeadGapAdj. W 12pass	H2DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H3DfH3Cf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-075	12pass			/ 1dot]
3-030-076	HeadGapAdj. W 12pass	H3DfH3Bf:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-077	HeadGapAdj. W 12pass	H3DfH3Af:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-078	HeadGapAdj. W 12pass	H3DfH3Dr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-079	HeadGapAdj. W 12pass	H3DfH3Cr:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-080	HeadGapAdj. W 12pass	H3DfH3Br:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-081	HeadGapAdj. W 12pass	H3DfH3Ar:BypassFeed:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-082	HeadGapAdj. W 12pass	H1DfH1Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-083	HeadGapAdj. W 12pass	H1DfH1Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-084	HeadGapAdj. W 12pass	H1DfH1Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-085	HeadGapAdj. W 12pass	H1DfH2Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-086	HeadGapAdj. W 12pass	H1DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-	HeadGapAdj. W	H1DfH1Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-087	12pass			/ 1dot]
3-030-088	HeadGapAdj. W 12pass	H1DfH1Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-089	HeadGapAdj. W 12pass	H1DfH1Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-090	HeadGapAdj. W 12pass	H1DfH1Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-091	HeadGapAdj. W 12pass	H1DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-092	HeadGapAdj. W 12pass	H1DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-093	HeadGapAdj. W 12pass	H2DfH2Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-094	HeadGapAdj. W 12pass	H2DfH2Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-095	HeadGapAdj. W 12pass	H2DfH2Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-096	HeadGapAdj. W 12pass	H2DfH3Df:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-097	HeadGapAdj. W 12pass	H2DfH2Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-098	HeadGapAdj. W 12pass	H2DfH2Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H2DfH2Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-099	12pass			/ 1dot]
3-030-100	HeadGapAdj. W 12pass	H2DfH2Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-101	HeadGapAdj. W 12pass	H2DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-102	HeadGapAdj. W 12pass	H3DfH3Cf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-103	HeadGapAdj. W 12pass	H3DfH3Bf:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-104	HeadGapAdj. W 12pass	H3DfH3Af:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-105	HeadGapAdj. W 12pass	H3DfH3Dr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-106	HeadGapAdj. W 12pass	H3DfH3Cr:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-107	HeadGapAdj. W 12pass	H3DfH3Br:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-108	HeadGapAdj. W 12pass	H3DfH3Ar:BypassFeed:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-111	HeadGapAdj. W 12pass	H1DfH1Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-112	HeadGapAdj. W 12pass	H1DfH1Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H1DfH1Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-113	12pass			/ 1dot]
3-030-114	HeadGapAdj. W 12pass	H1DfH2Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-115	HeadGapAdj. W 12pass	H1DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 37 / 1dot]
3-030-116	HeadGapAdj. W 12pass	H1DfH1Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-117	HeadGapAdj. W 12pass	H1DfH1Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-118	HeadGapAdj. W 12pass	H1DfH1Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-119	HeadGapAdj. W 12pass	H1DfH1Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-120	HeadGapAdj. W 12pass	H1DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-121	HeadGapAdj. W 12pass	H1DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-122	HeadGapAdj. W 12pass	H2DfH2Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-123	HeadGapAdj. W 12pass	H2DfH2Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-124	HeadGapAdj. W 12pass	H2DfH2Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H2DfH3Df:PaperInput:Thick1	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-125	12pass			/ 1dot]
3-030-126	HeadGapAdj. W 12pass	H2DfH2Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-127	HeadGapAdj. W 12pass	H2DfH2Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-128	HeadGapAdj. W 12pass	H2DfH2Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-129	HeadGapAdj. W 12pass	H2DfH2Ar:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-130	HeadGapAdj. W 12pass	H2DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-131	HeadGapAdj. W 12pass	H3DfH3Cf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-132	HeadGapAdj. W 12pass	H3DfH3Bf:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-133	HeadGapAdj. W 12pass	H3DfH3Af:PaperInput:Thick1	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-134	HeadGapAdj. W 12pass	H3DfH3Dr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-135	HeadGapAdj. W 12pass	H3DfH3Cr:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-136	HeadGapAdj. W 12pass	H3DfH3Br:PaperInput:Thick1	ENG	[-1100 to 1100 / 100 / 1dot]
3-	HeadGapAdj. W	H3DfH3Ar:PaperInput:Thick1	ENG	[-1100 to 1100 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-137	12pass			100 / 1dot]
3-030-138	HeadGapAdj. W 12pass	H1DfH1Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-139	HeadGapAdj. W 12pass	H1DfH1Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-140	HeadGapAdj. W 12pass	H1DfH1Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-141	HeadGapAdj. W 12pass	H1DfH2Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-142	HeadGapAdj. W 12pass	H1DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 37 / 1dot]
3-030-143	HeadGapAdj. W 12pass	H1DfH1Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-144	HeadGapAdj. W 12pass	H1DfH1Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-145	HeadGapAdj. W 12pass	H1DfH1Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-146	HeadGapAdj. W 12pass	H1DfH1Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-147	HeadGapAdj. W 12pass	H1DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-148	HeadGapAdj. W 12pass	H1DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H2DfH2Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-149	12pass			/ 1dot]
3-030-150	HeadGapAdj. W 12pass	H2DfH2Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-151	HeadGapAdj. W 12pass	H2DfH2Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-152	HeadGapAdj. W 12pass	H2DfH3Df:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-153	HeadGapAdj. W 12pass	H2DfH2Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-154	HeadGapAdj. W 12pass	H2DfH2Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-155	HeadGapAdj. W 12pass	H2DfH2Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-156	HeadGapAdj. W 12pass	H2DfH2Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-157	HeadGapAdj. W 12pass	H2DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-158	HeadGapAdj. W 12pass	H3DfH3Cf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-159	HeadGapAdj. W 12pass	H3DfH3Bf:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-160	HeadGapAdj. W 12pass	H3DfH3Af:PaperInput:Thick2	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H3DfH3Dr:PaperInput:Thick2	ENG	[-1100 to 1100 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-161	12pass			100 / 1dot]
3-030-162	HeadGapAdj. W 12pass	H3DfH3Cr:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-163	HeadGapAdj. W 12pass	H3DfH3Br:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-164	HeadGapAdj. W 12pass	H3DfH3Ar:PaperInput:Thick2	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-165	HeadGapAdj. W 12pass	H1DfH1Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-166	HeadGapAdj. W 12pass	H1DfH1Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-167	HeadGapAdj. W 12pass	H1DfH1Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-168	HeadGapAdj. W 12pass	H1DfH2Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-169	HeadGapAdj. W 12pass	H1DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 37 / 1dot]
3-030-170	HeadGapAdj. W 12pass	H1DfH1Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-171	HeadGapAdj. W 12pass	H1DfH1Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-172	HeadGapAdj. W 12pass	H1DfH1Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-	HeadGapAdj. W	H1DfH1Ar:PaperInput:Thick3	ENG	[-1100 to 1100 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-173	12pass			100 / 1dot]
3-030-174	HeadGapAdj. W 12pass	H1DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-175	HeadGapAdj. W 12pass	H1DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-176	HeadGapAdj. W 12pass	H2DfH2Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-177	HeadGapAdj. W 12pass	H2DfH2Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-178	HeadGapAdj. W 12pass	H2DfH2Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-179	HeadGapAdj. W 12pass	H2DfH3Df:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-180	HeadGapAdj. W 12pass	H2DfH2Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-181	HeadGapAdj. W 12pass	H2DfH2Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-182	HeadGapAdj. W 12pass	H2DfH2Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-183	HeadGapAdj. W 12pass	H2DfH2Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-184	HeadGapAdj. W 12pass	H2DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-	HeadGapAdj. W	H3DfH3Cf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-185	12pass			/ 1dot]
3-030-186	HeadGapAdj. W 12pass	H3DfH3Bf:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-187	HeadGapAdj. W 12pass	H3DfH3Af:PaperInput:Thick3	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-188	HeadGapAdj. W 12pass	H3DfH3Dr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-189	HeadGapAdj. W 12pass	H3DfH3Cr:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-190	HeadGapAdj. W 12pass	H3DfH3Br:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-191	HeadGapAdj. W 12pass	H3DfH3Ar:PaperInput:Thick3	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-192	HeadGapAdj. W 12pass	H1DfH1Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-193	HeadGapAdj. W 12pass	H1DfH1Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-194	HeadGapAdj. W 12pass	H1DfH1Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-195	HeadGapAdj. W 12pass	H1DfH2Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 19 / 1dot]
3-030-196	HeadGapAdj. W 12pass	H1DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 37 / 1dot]
3-	HeadGapAdj. W	H1DfH1Dr:PaperInput:Thick4	ENG	[-1100 to 1100 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-197	12pass			100 / 1dot]
3-030-198	HeadGapAdj. W 12pass	H1DfH1Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-199	HeadGapAdj. W 12pass	H1DfH1Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-200	HeadGapAdj. W 12pass	H1DfH1Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-201	HeadGapAdj. W 12pass	H1DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-202	HeadGapAdj. W 12pass	H1DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-203	HeadGapAdj. W 12pass	H2DfH2Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-204	HeadGapAdj. W 12pass	H2DfH2Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-205	HeadGapAdj. W 12pass	H2DfH2Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-206	HeadGapAdj. W 12pass	H2DfH3Df:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-207	HeadGapAdj. W 12pass	H2DfH2Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-208	HeadGapAdj. W 12pass	H2DfH2Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-	HeadGapAdj. W	H2DfH2Br:PaperInput:Thick4	ENG	[-1100 to 1100 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
030-209	12pass			100 / 1dot]
3-030-210	HeadGapAdj. W 12pass	H2DfH2Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-211	HeadGapAdj. W 12pass	H2DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-212	HeadGapAdj. W 12pass	H3DfH3Cf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-213	HeadGapAdj. W 12pass	H3DfH3Bf:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-214	HeadGapAdj. W 12pass	H3DfH3Af:PaperInput:Thick4	ENG	[-1100 to 1100 / 0 / 1dot]
3-030-215	HeadGapAdj. W 12pass	H3DfH3Dr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-216	HeadGapAdj. W 12pass	H3DfH3Cr:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-217	HeadGapAdj. W 12pass	H3DfH3Br:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-030-218	HeadGapAdj. W 12pass	H3DfH3Ar:PaperInput:Thick4	ENG	[-1100 to 1100 / 100 / 1dot]
3-109-002	Test Pattern Output	Manually Distribution: Correcting Value	ENG	[1 to 2 / 2 / 1]
3-109-004	Test Pattern Output	Automatic Adjustment	ENG	[1 to 2 / 2 / 1]
3-	Carriage Position	Colorimetric Sensor Main Scan	ENG	[-30000 to 30000

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
109-008	Adjustment	Read Position		/ 0 / 1dot]
3-109-102	Function Check Pattern Output	Nozzle Check WF1	ENG	[1 to 4 / 1 / 1]
3-109-103	Test Pattern Output	Nozzle Check WF2	ENG	[1 to 4 / 1 / 1]
3-109-200	Pattern Output	Test Pattern	ENG	[0 to 255 / 0 / 1]
3-110-001	Test Pattern Print	Nozzle Check (Factory)	ENG	[1 to 4 / 1 / 1]
3-111-001	Pattern Notice Paper Selection	By-pass Feed	ENG	[0 to 255 / 0 / 1]
3-111-002	Pattern Notice Paper Selection	Paper Input	ENG	[0 to 255 / 0 / 1]
3-112-001	Printing Mode Setting	Setting 1	ENG	[0 to 255 / 0 / 1]
3-112-002	Printing Mode Setting	Setting 2	ENG	[0 to 255 / 0 / 1]
3-112-003	Printing Mode Setting	Setting 3	ENG	[0 to 255 / 0 / 1]
3-112-004	Printing Mode Setting	Setting 4	ENG	[0 to 255 / 0 / 1]
3-112-005	Printing Mode Setting	Setting 5	ENG	[0 to 255 / 0 / 1]
3-112-006	Printing Mode Setting	Setting 6	ENG	[0 to 255 / 0 / 1]
3-112-007	Printing Mode Setting	Setting 7	ENG	[0 to 255 / 0 / 1]
3-112-008	Printing Mode Setting	Setting 8	ENG	[0 to 255 / 0 / 1]
3-112-009	Printing Mode Setting	Setting 9	ENG	[0 to 255 / 0 / 1]
3-112-	Printing Mode Setting	Setting 10	ENG	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
010				
3-112-011	Printing Mode Setting	Setting 11	ENG	[0 to 255 / 0 / 1]
3-112-012	Printing Mode Setting	Setting 12	ENG	[0 to 255 / 0 / 1]
3-112-013	Printing Mode Setting	Setting 13	ENG	[0 to 255 / 0 / 1]
3-112-014	Printing Mode Setting	Setting 14	ENG	[0 to 255 / 0 / 1]
3-112-015	Printing Mode Setting	Setting 15	ENG	[0 to 255 / 0 / 1]
3-113-001	Pattern Notice Paper Thickness	By-pass Feed	ENG	[0 to 255 / 0 / 1]
3-113-002	Pattern Notice Paper Thickness	Paper Input	ENG	[0 to 255 / 0 / 1]
3-114-001	Avoid Head Friction	By-pass Feed	ENG*	[0 to 3 / 0 / 1]
3-114-002	Avoid Head Friction	Paper Input 1	ENG*	[0 to 3 / 0 / 1]
3-115-001	Pattern Notice Image Mode	Image Mode	ENG	[0 to 255 / 0 / 1]
3-116-001	Test Pattern Print	Density Adjustment Pattern	ENG	[0 to 5 / 0 / 1]
3-117-001	Test Pattern Print	Crosstalk Adjustment Pattern H1L1	ENG	[0 to 5 / 0 / 1]
3-117-002	Test Pattern Print	Crosstalk Adjustment Pattern H1L2	ENG	[0 to 5 / 0 / 1]
3-117-003	Test Pattern Print	Crosstalk Adjustment Pattern H1L3	ENG	[0 to 5 / 0 / 1]
3-117-004	Test Pattern Print	Crosstalk Adjustment Pattern H1L4	ENG	[0 to 5 / 0 / 1]
3-117-005	Test Pattern Print	Crosstalk Adjustment Pattern H2L1	ENG	[0 to 5 / 0 / 1]
3-117-006	Test Pattern Print	Crosstalk Adjustment Pattern H2L2	ENG	[0 to 5 / 0 / 1]
3-117-	Test Pattern Print	Crosstalk Adjustment Pattern H2L3	ENG	[0 to 5 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
3-117-008	Test Pattern Print	Crosstalk Adjustment Pattern H2L4	ENG	[0 to 5 / 0 / 1]
3-117-009	Test Pattern Print	Crosstalk Adjustment Pattern H3L1	ENG	[0 to 5 / 0 / 1]
3-117-010	Test Pattern Print	Crosstalk Adjustment Pattern H3L2	ENG	[0 to 5 / 0 / 1]
3-117-011	Test Pattern Print	Crosstalk Adjustment Pattern H3L3	ENG	[0 to 5 / 0 / 1]
3-117-012	Test Pattern Print	Crosstalk Adjustment Pattern H3L4	ENG	[0 to 5 / 0 / 1]
3-118-001	Automatic Density Adjustment	Density Adjustment	ENG	[0 to 5 / 0 / 1]
3-119-001	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H1L1	ENG	[0 to 5 / 0 / 1]
3-119-002	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H1L2	ENG	[0 to 5 / 0 / 1]
3-119-003	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H1L3	ENG	[0 to 5 / 0 / 1]
3-119-004	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H1L4	ENG	[0 to 5 / 0 / 1]
3-119-005	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H2L1	ENG	[0 to 5 / 0 / 1]
3-119-006	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H2L2	ENG	[0 to 5 / 0 / 1]
3-119-007	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H2L3	ENG	[0 to 5 / 0 / 1]
3-119-008	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H2L4	ENG	[0 to 5 / 0 / 1]
3-119-009	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H3L1	ENG	[0 to 5 / 0 / 1]
3-119-010	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H3L2	ENG	[0 to 5 / 0 / 1]
3-119-011	Automatic Crosstalk Adjustment	Crosstalk Adjustment Pattern H3L3	ENG	[0 to 5 / 0 / 1]
3-119-	Automatic Crosstalk	Crosstalk Adjustment Pattern H3L4	ENG	[0 to 5 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012	Adjustment			
3-131-001	Crosstalk Rank WF1	H1 L1	ENG	[0 to 15 / 0 / 1]
3-131-002	Crosstalk Rank WF1	H1 L2	ENG	[0 to 15 / 0 / 1]
3-131-003	Crosstalk Rank WF1	H1 L3	ENG	[0 to 15 / 0 / 1]
3-131-004	Crosstalk Rank WF1	H1 L4	ENG	[0 to 15 / 0 / 1]
3-131-005	Crosstalk Rank WF1	H2 L1	ENG	[0 to 15 / 0 / 1]
3-131-006	Crosstalk Rank WF1	H2 L2	ENG	[0 to 15 / 0 / 1]
3-131-007	Crosstalk Rank WF1	H2 L3	ENG	[0 to 15 / 0 / 1]
3-131-008	Crosstalk Rank WF1	H2 L4	ENG	[0 to 15 / 0 / 1]
3-131-009	Crosstalk Rank WF1	H3 L1	ENG	[0 to 15 / 0 / 1]
3-131-010	Crosstalk Rank WF1	H3 L2	ENG	[0 to 15 / 0 / 1]
3-131-011	Crosstalk Rank WF1	H3 L3	ENG	[0 to 15 / 0 / 1]
3-131-	Crosstalk Rank WF1	H3 L4	ENG	[0 to 15 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-132-001	Crosstalk Count WF1	H1 L1	ENG	[0 to 7 / 0 / 1]
3-132-002	Crosstalk Count WF1	H1 L2	ENG	[0 to 7 / 0 / 1]
3-132-003	Crosstalk Count WF1	H1 L3	ENG	[0 to 7 / 0 / 1]
3-132-004	Crosstalk Count WF1	H1 L4	ENG	[0 to 7 / 0 / 1]
3-132-005	Crosstalk Count WF1	H2 L1	ENG	[0 to 7 / 0 / 1]
3-132-006	Crosstalk Count WF1	H2 L2	ENG	[0 to 7 / 0 / 1]
3-132-007	Crosstalk Count WF1	H2 L3	ENG	[0 to 7 / 0 / 1]
3-132-008	Crosstalk Count WF1	H2 L4	ENG	[0 to 7 / 0 / 1]
3-132-009	Crosstalk Count WF1	H3 L1	ENG	[0 to 7 / 0 / 1]
3-132-010	Crosstalk Count WF1	H3 L2	ENG	[0 to 7 / 0 / 1]
3-132-011	Crosstalk Count WF1	H3 L3	ENG	[0 to 7 / 0 / 1]
3-132-	Crosstalk Count WF1	H3 L4	ENG	[0 to 7 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-133-001	Crosstalk Rank WF2	H1 L1	ENG	[0 to 15 / 0 / 1]
3-133-002	Crosstalk Rank WF2	H1 L2	ENG	[0 to 15 / 0 / 1]
3-133-003	Crosstalk Rank WF2	H1 L3	ENG	[0 to 15 / 0 / 1]
3-133-004	Crosstalk Rank WF2	H1 L4	ENG	[0 to 15 / 0 / 1]
3-133-005	Crosstalk Rank WF2	H2 L1	ENG	[0 to 15 / 0 / 1]
3-133-006	Crosstalk Rank WF2	H2 L2	ENG	[0 to 15 / 0 / 1]
3-133-007	Crosstalk Rank WF2	H2 L3	ENG	[0 to 15 / 0 / 1]
3-133-008	Crosstalk Rank WF2	H2 L4	ENG	[0 to 15 / 0 / 1]
3-133-009	Crosstalk Rank WF2	H3 L1	ENG	[0 to 15 / 0 / 1]
3-133-010	Crosstalk Rank WF2	H3 L2	ENG	[0 to 15 / 0 / 1]
3-133-011	Crosstalk Rank WF2	H3 L3	ENG	[0 to 15 / 0 / 1]
3-133-	Crosstalk Rank WF2	H3 L4	ENG	[0 to 15 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-134-001	Crosstalk Count WF2	H1 L1	ENG	[0 to 7 / 0 / 1]
3-134-002	Crosstalk Count WF2	H1 L2	ENG	[0 to 7 / 0 / 1]
3-134-003	Crosstalk Count WF2	H1 L3	ENG	[0 to 7 / 0 / 1]
3-134-004	Crosstalk Count WF2	H1 L4	ENG	[0 to 7 / 0 / 1]
3-134-005	Crosstalk Count WF2	H2 L1	ENG	[0 to 7 / 0 / 1]
3-134-006	Crosstalk Count WF2	H2 L2	ENG	[0 to 7 / 0 / 1]
3-134-007	Crosstalk Count WF2	H2 L3	ENG	[0 to 7 / 0 / 1]
3-134-008	Crosstalk Count WF2	H2 L4	ENG	[0 to 7 / 0 / 1]
3-134-009	Crosstalk Count WF2	H3 L1	ENG	[0 to 7 / 0 / 1]
3-134-010	Crosstalk Count WF2	H3 L2	ENG	[0 to 7 / 0 / 1]
3-134-011	Crosstalk Count WF2	H3 L3	ENG	[0 to 7 / 0 / 1]
3-134-	Crosstalk Count WF2	H3 L4	ENG	[0 to 7 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-135-001	Density Rank WF1	H1 L1	ENG	[0 to 15 / 8 / 1]
3-135-002	Density Rank WF1	H1 L2	ENG	[0 to 15 / 8 / 1]
3-135-003	Density Rank WF1	H1 L3	ENG	[0 to 15 / 8 / 1]
3-135-004	Density Rank WF1	H1 L4	ENG	[0 to 15 / 8 / 1]
3-135-005	Density Rank WF1	H2 L1	ENG	[0 to 15 / 8 / 1]
3-135-006	Density Rank WF1	H2 L2	ENG	[0 to 15 / 8 / 1]
3-135-007	Density Rank WF1	H2 L3	ENG	[0 to 15 / 8 / 1]
3-135-008	Density Rank WF1	H2 L4	ENG	[0 to 15 / 8 / 1]
3-135-009	Density Rank WF1	H3 L1	ENG	[0 to 15 / 8 / 1]
3-135-010	Density Rank WF1	H3 L2	ENG	[0 to 15 / 8 / 1]
3-135-011	Density Rank WF1	H3 L3	ENG	[0 to 15 / 8 / 1]
3-135-	Density Rank WF1	H3 L4	ENG	[0 to 15 / 8 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-136-001	Density Rank WF2	H1 L1	ENG	[0 to 15 / 8 / 1]
3-136-002	Density Rank WF2	H1 L2	ENG	[0 to 15 / 8 / 1]
3-136-003	Density Rank WF2	H1 L3	ENG	[0 to 15 / 8 / 1]
3-136-004	Density Rank WF2	H1 L4	ENG	[0 to 15 / 8 / 1]
3-136-005	Density Rank WF2	H2 L1	ENG	[0 to 15 / 8 / 1]
3-136-006	Density Rank WF2	H2 L2	ENG	[0 to 15 / 8 / 1]
3-136-007	Density Rank WF2	H2 L3	ENG	[0 to 15 / 8 / 1]
3-136-008	Density Rank WF2	H2 L4	ENG	[0 to 15 / 8 / 1]
3-136-009	Density Rank WF2	H3 L1	ENG	[0 to 15 / 8 / 1]
3-136-010	Density Rank WF2	H3 L2	ENG	[0 to 15 / 8 / 1]
3-136-011	Density Rank WF2	H3 L3	ENG	[0 to 15 / 8 / 1]
3-136-	Density Rank WF2	H3 L4	ENG	[0 to 15 / 8 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-137-001	Head Voltage Coefficient	H1 L1	ENG	[0 to 15 / 8 / 1]
3-137-002	Head Voltage Coefficient	H1 L2	ENG	[0 to 15 / 8 / 1]
3-137-003	Head Voltage Coefficient	H1 L3	ENG	[0 to 15 / 8 / 1]
3-137-004	Head Voltage Coefficient	H1 L4	ENG	[0 to 15 / 8 / 1]
3-137-005	Head Voltage Coefficient	H2 L1	ENG	[0 to 15 / 8 / 1]
3-137-006	Head Voltage Coefficient	H2 L2	ENG	[0 to 15 / 8 / 1]
3-137-007	Head Voltage Coefficient	H2 L3	ENG	[0 to 15 / 8 / 1]
3-137-008	Head Voltage Coefficient	H2 L4	ENG	[0 to 15 / 8 / 1]
3-137-009	Head Voltage Coefficient	H3 L1	ENG	[0 to 15 / 8 / 1]
3-137-010	Head Voltage Coefficient	H3 L2	ENG	[0 to 15 / 8 / 1]
3-137-011	Head Voltage Coefficient	H3 L3	ENG	[0 to 15 / 8 / 1]
3-137-	Head Voltage Coefficient	H3 L4	ENG	[0 to 15 / 8 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-138-001	Abs Temp	H1 L1	ENG	[0 to 63 / 0 / 1]
3-138-002	Abs Temp	H1 L2	ENG	[0 to 63 / 0 / 1]
3-138-003	Abs Temp	H1 L3	ENG	[0 to 63 / 0 / 1]
3-138-004	Abs Temp	H1 L4	ENG	[0 to 63 / 0 / 1]
3-138-005	Abs Temp	H2 L1	ENG	[0 to 63 / 0 / 1]
3-138-006	Abs Temp	H2 L2	ENG	[0 to 63 / 0 / 1]
3-138-007	Abs Temp	H2 L3	ENG	[0 to 63 / 0 / 1]
3-138-008	Abs Temp	H2 L4	ENG	[0 to 63 / 0 / 1]
3-138-009	Abs Temp	H3 L1	ENG	[0 to 63 / 0 / 1]
3-138-010	Abs Temp	H3 L2	ENG	[0 to 63 / 0 / 1]
3-138-011	Abs Temp	H3 L3	ENG	[0 to 63 / 0 / 1]
3-138-	Abs Temp	H3 L4	ENG	[0 to 63 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-139-001	Relative Temp	H1 L1	ENG	[0 to 15 / 0 / 1]
3-139-002	Relative Temp	H1 L2	ENG	[0 to 15 / 0 / 1]
3-139-003	Relative Temp	H1 L3	ENG	[0 to 15 / 0 / 1]
3-139-004	Relative Temp	H1 L4	ENG	[0 to 15 / 0 / 1]
3-139-005	Relative Temp	H2 L1	ENG	[0 to 15 / 0 / 1]
3-139-006	Relative Temp	H2 L2	ENG	[0 to 15 / 0 / 1]
3-139-007	Relative Temp	H2 L3	ENG	[0 to 15 / 0 / 1]
3-139-008	Relative Temp	H2 L4	ENG	[0 to 15 / 0 / 1]
3-139-009	Relative Temp	H3 L1	ENG	[0 to 15 / 0 / 1]
3-139-010	Relative Temp	H3 L2	ENG	[0 to 15 / 0 / 1]
3-139-011	Relative Temp	H3 L3	ENG	[0 to 15 / 0 / 1]
3-139-	Relative Temp	H3 L4	ENG	[0 to 15 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-140-001	Head Temperature Setting	H1 L1	ENG	[0 to 3 / 0 / 1]
3-140-002	Head Temperature Setting	H1 L2	ENG	[0 to 3 / 0 / 1]
3-140-003	Head Temperature Setting	H1 L3	ENG	[0 to 3 / 0 / 1]
3-140-004	Head Temperature Setting	H1 L4	ENG	[0 to 3 / 0 / 1]
3-140-005	Head Temperature Setting	H2 L1	ENG	[0 to 3 / 0 / 1]
3-140-006	Head Temperature Setting	H2 L2	ENG	[0 to 3 / 0 / 1]
3-140-007	Head Temperature Setting	H2 L3	ENG	[0 to 3 / 0 / 1]
3-140-008	Head Temperature Setting	H2 L4	ENG	[0 to 3 / 0 / 1]
3-140-009	Head Temperature Setting	H3 L1	ENG	[0 to 3 / 0 / 1]
3-140-010	Head Temperature Setting	H3 L2	ENG	[0 to 3 / 0 / 1]
3-140-011	Head Temperature Setting	H3 L3	ENG	[0 to 3 / 0 / 1]
3-140-	Head Temperature Setting	H3 L4	ENG	[0 to 3 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-141-001	Print Start Temperature	Lower Limit Temperature	ENG*	[0 to 60 / 15 / 1C]
3-141-003	Head Temperature	Upper Limit Temperature	ENG*	[42 to 50 / 42 / 1C]
3-141-004	Head Temperature	Restart Temperature	ENG*	[35 to 41 / 41 / 1C]
3-142-001	Nozzle Line Status	H1 L1	ENG	[0 to 1 / 1 / 1]
3-142-002	Nozzle Line Status	H1 L2	ENG	[0 to 1 / 1 / 1]
3-142-003	Nozzle Line Status	H1 L3	ENG	[0 to 1 / 1 / 1]
3-142-004	Nozzle Line Status	H1 L4	ENG	[0 to 1 / 1 / 1]
3-142-005	Nozzle Line Status	H2 L1	ENG	[0 to 1 / 1 / 1]
3-142-006	Nozzle Line Status	H2 L2	ENG	[0 to 1 / 1 / 1]
3-142-007	Nozzle Line Status	H2 L3	ENG	[0 to 1 / 1 / 1]
3-142-008	Nozzle Line Status	H2 L4	ENG	[0 to 1 / 1 / 1]
3-142-	Nozzle Line Status	H3 L1	ENG	[0 to 1 / 1 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
3-142-010	Nozzle Line Status	H3 L2	ENG	[0 to 1 / 1 / 1]
3-142-011	Nozzle Line Status	H3 L3	ENG	[0 to 1 / 1 / 1]
3-142-012	Nozzle Line Status	H3 L4	ENG	[0 to 1 / 1 / 1]
3-143-001	Nozzle Line Color Setting	H1 L1	ENG	[0 to 7 / 0 / 1]
3-143-002	Nozzle Line Color Setting	H1 L2	ENG	[0 to 7 / 0 / 1]
3-143-003	Nozzle Line Color Setting	H1 L3	ENG	[0 to 7 / 0 / 1]
3-143-004	Nozzle Line Color Setting	H1 L4	ENG	[0 to 7 / 0 / 1]
3-143-005	Nozzle Line Color Setting	H2 L1	ENG	[0 to 7 / 0 / 1]
3-143-006	Nozzle Line Color Setting	H2 L2	ENG	[0 to 7 / 0 / 1]
3-143-007	Nozzle Line Color Setting	H2 L3	ENG	[0 to 7 / 0 / 1]
3-143-008	Nozzle Line Color Setting	H2 L4	ENG	[0 to 7 / 0 / 1]
3-143-	Nozzle Line Color Setting	H3 L1	ENG	[0 to 7 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
009				
3-143-010	Nozzle Line Color Setting	H3 L2	ENG	[0 to 7 / 0 / 1]
3-143-011	Nozzle Line Color Setting	H3 L3	ENG	[0 to 7 / 0 / 1]
3-143-012	Nozzle Line Color Setting	H3 L4	ENG	[0 to 7 / 0 / 1]
3-144-001	Automatic Density Adjustment	Density Rank K	ENG	[0 to 15 / 8 / 1]
3-144-002	Automatic Density Adjustment	Density Rank C	ENG	[0 to 15 / 8 / 1]
3-144-003	Automatic Density Adjustment	Density Rank M	ENG	[0 to 15 / 8 / 1]
3-144-004	Automatic Density Adjustment	Density Rank Y	ENG	[0 to 15 / 8 / 1]
3-144-005	Automatic Density Adjustment	Density Rank Or	ENG	[0 to 15 / 8 / 1]
3-144-006	Automatic Density Adjustment	Density Rank Gr	ENG	[0 to 15 / 8 / 1]
3-144-007	Automatic Density Adjustment	Density Rank Wh	ENG	[0 to 15 / 8 / 1]
3-145-001	Automatic Density Adjustment	Rank Switch	ENG	[0 to 65535 / 0 / 1]
3-146-	Automatic Crosstalk Adjustment	Rank Switch	ENG	[0 to 65535 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
3-150-001	Flushing Waveform Setting	H1L1	ENG	[0 to 7 / 1 / 1]
3-150-002	Flushing Waveform Setting	H1L2	ENG	[0 to 7 / 1 / 1]
3-150-003	Flushing Waveform Setting	H1L3	ENG	[0 to 7 / 1 / 1]
3-150-004	Flushing Waveform Setting	H1L4	ENG	[0 to 7 / 1 / 1]
3-150-005	Flushing Waveform Setting	H2L1	ENG	[0 to 7 / 1 / 1]
3-150-006	Flushing Waveform Setting	H2L2	ENG	[0 to 7 / 1 / 1]
3-150-007	Flushing Waveform Setting	H2L3	ENG	[0 to 7 / 1 / 1]
3-150-008	Flushing Waveform Setting	H2L4	ENG	[0 to 7 / 1 / 1]
3-150-009	Flushing Waveform Setting	H3L1	ENG	[0 to 7 / 1 / 1]
3-150-010	Flushing Waveform Setting	H3L2	ENG	[0 to 7 / 1 / 1]
3-150-011	Flushing Waveform Setting	H3L3	ENG	[0 to 7 / 1 / 1]
3-150-	Flushing Waveform Setting	H3L4	ENG	[0 to 7 / 1 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-151-001	Flush Frequency	H1L1	ENG	[0 to 15 / 2 / 1]
3-151-002	Flush Frequency	H1L2	ENG	[0 to 15 / 2 / 1]
3-151-003	Flush Frequency	H1L3	ENG	[0 to 15 / 2 / 1]
3-151-004	Flush Frequency	H1L4	ENG	[0 to 15 / 2 / 1]
3-151-005	Flush Frequency	H2L1	ENG	[0 to 15 / 2 / 1]
3-151-006	Flush Frequency	H2L2	ENG	[0 to 15 / 2 / 1]
3-151-007	Flush Frequency	H2L3	ENG	[0 to 15 / 2 / 1]
3-151-008	Flush Frequency	H2L4	ENG	[0 to 15 / 2 / 1]
3-151-009	Flush Frequency	H3L1	ENG	[0 to 15 / 2 / 1]
3-151-010	Flush Frequency	H3L2	ENG	[0 to 15 / 2 / 1]
3-151-011	Flush Frequency	H3L3	ENG	[0 to 15 / 2 / 1]
3-151-	Flush Frequency	H3L4	ENG	[0 to 15 / 2 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-152-001	Head Driving Frequency	H1L1	ENG	[0 to 15 / 2 / 1]
3-152-002	Head Driving Frequency	H1L2	ENG	[0 to 15 / 2 / 1]
3-152-003	Head Driving Frequency	H1L3	ENG	[0 to 15 / 2 / 1]
3-152-004	Head Driving Frequency	H1L4	ENG	[0 to 15 / 2 / 1]
3-152-005	Head Driving Frequency	H2L1	ENG	[0 to 15 / 2 / 1]
3-152-006	Head Driving Frequency	H2L2	ENG	[0 to 15 / 2 / 1]
3-152-007	Head Driving Frequency	H2L3	ENG	[0 to 15 / 2 / 1]
3-152-008	Head Driving Frequency	H2L4	ENG	[0 to 15 / 2 / 1]
3-152-009	Head Driving Frequency	H3L1	ENG	[0 to 15 / 2 / 1]
3-152-010	Head Driving Frequency	H3L2	ENG	[0 to 15 / 2 / 1]
3-152-011	Head Driving Frequency	H3L3	ENG	[0 to 15 / 2 / 1]
3-152-	Head Driving Frequency	H3L4	ENG	[0 to 15 / 2 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-153-001	Flushing Count	H1L1	ENG	[0 to 15 / 3 / 1]
3-153-002	Flushing Count	H1L2	ENG	[0 to 15 / 3 / 1]
3-153-003	Flushing Count	H1L3	ENG	[0 to 15 / 3 / 1]
3-153-004	Flushing Count	H1L4	ENG	[0 to 15 / 3 / 1]
3-153-005	Flushing Count	H2L1	ENG	[0 to 15 / 3 / 1]
3-153-006	Flushing Count	H2L2	ENG	[0 to 15 / 3 / 1]
3-153-007	Flushing Count	H2L3	ENG	[0 to 15 / 3 / 1]
3-153-008	Flushing Count	H2L4	ENG	[0 to 15 / 3 / 1]
3-153-009	Flushing Count	H3L1	ENG	[0 to 15 / 3 / 1]
3-153-010	Flushing Count	H3L2	ENG	[0 to 15 / 3 / 1]
3-153-011	Flushing Count	H3L3	ENG	[0 to 15 / 3 / 1]
3-153-	Flushing Count	H3L4	ENG	[0 to 15 / 3 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012				
3-159-007	Imaging sensor setting	Stabilizing calibration time	ENG	[1 to 10 / 2 / 1min]
3-160-001	Carriage LED Control	Carriage LED Duty Setting	ENG	[1 to 8 / 5 / 1]
3-161-001	Paper Feed Part Correction	ON/OFF Setting	ENG	[0 to 1 / 0 / 1]
3-161-002	Paper Feed Part Correction	Correction Pattern Selection	ENG	[1 to 3 / 1 / 1]
3-161-003	Paper Feed Part Correction	Overlapping Nozzle Number	ENG	[0 to 40 / 0 / 8]
3-162-001	Print Head Joint Correction	ON/OFF	ENG	[0 to 1 / 0 / 1]
3-162-002	Print Head Joint Correction	Processing pattern selection	ENG	[1 to 3 / 1 / 1]
3-163-001	Nozzle Recovery	ON/OFF Setting	ENG	[0 to 1 / 0 / 1]
3-175-004	Head Inclination Value	Head1 (Cal. by Skew/MainScan Deviation)	ENG	[-5000 to 5000 / 0 / 1um]
3-175-005	Head Inclination Value	Head2 (Cal. by Skew/MainScan Deviation)	ENG	[-5000 to 5000 / 0 / 1um]
3-175-006	Head Inclination Value	Head3 (Cal. by Skew/MainScan Deviation)	ENG	[-5000 to 5000 / 0 / 1um]
3-175-	Head Inclination Value	Relative Inclination (Head1-Head2)	ENG	[-5000 to 5000 / 0 / 1um]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
3-175-008	Head Inclination Value	Relative Inclination (Head1-Head3)	ENG	[-5000 to 5000 / 0 / 1um]
3-175-009	Head Inclination Value	Relative Inclination (Head2-Head3)	ENG	[-5000 to 5000 / 0 / 1um]
3-175-010	Head Sub Scan Displacement	Measured Displacement Amount (Head1-Head2)	ENG	[-5000 to 5000 / 0 / 1um]
3-175-011	Head Sub Scan Displacement	Measured Displacement Amount (Head1-Head3)	ENG	[-5000 to 5000 / 0 / 1um]
3-204-001	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-002	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-003	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-004	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-005	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-006	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-007	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008				
3-204-009	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-010	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-011	GapSectionCorr. 6pass	H1DfH1Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-012	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-013	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-014	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-015	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-016	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-017	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-018	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-019	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				
3-204-021	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-022	GapSectionCorr. 6pass	H1DfH1Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-023	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-024	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-025	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-026	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-027	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-028	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-029	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-030	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-031	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
032				
3-204-033	GapSectionCorr. 6pass	H1DfH1Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-034	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-035	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-036	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-037	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-038	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-039	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-040	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-041	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-042	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-043	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH2Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
044				
3-204-045	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-046	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-047	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-048	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-049	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-050	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-051	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-052	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-053	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-054	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-055	GapSectionCorr. 6pass	H1DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056				
3-204-057	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-058	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-059	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-060	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-061	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-062	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-063	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-064	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-065	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-066	GapSectionCorr. 6pass	H1DfH1Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-067	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
068				
3-204-069	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-070	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-071	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-072	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-073	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-074	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-075	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-076	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-077	GapSectionCorr. 6pass	H1DfH1Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-078	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-079	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080				
3-204-081	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-082	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-083	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-084	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-085	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-086	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-087	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-088	GapSectionCorr. 6pass	H1DfH1Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-089	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-090	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-091	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
092				
3-204-093	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-094	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-095	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-096	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-097	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-098	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-099	GapSectionCorr. 6pass	H1DfH1Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-100	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-101	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-102	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-103	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
104				
3-204-105	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-204-106	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-107	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-108	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-109	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-110	GapSectionCorr. 6pass	H1DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-204-111	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-204-112	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-204-113	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-204-114	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-204-115	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-204-	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
116				
3-204-117	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-204-118	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-204-119	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-204-120	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-204-121	GapSectionCorr. 6pass	H1DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-001	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-002	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-003	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-004	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-005	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-006	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
007				
3-205-008	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-009	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-010	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-011	GapSectionCorr. 6pass	H2DfH2Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-012	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-013	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-014	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-015	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-016	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-017	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-018	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
019				
3-205-020	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-021	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-022	GapSectionCorr. 6pass	H2DfH2Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-023	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-024	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-025	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-026	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-027	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-028	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-029	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-030	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031				
3-205-032	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-033	GapSectionCorr. 6pass	H2DfH2Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-034	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-035	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-036	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-037	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-038	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-039	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-040	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-041	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-042	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
043				
3-205-044	GapSectionCorr. 6pass	H2DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-045	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-046	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-047	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-048	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-049	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-050	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-051	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-052	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-053	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-054	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
055				
3-205-056	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-057	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-058	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-059	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-060	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-061	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-062	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-063	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-064	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-065	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-066	GapSectionCorr. 6pass	H2DfH2Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067				
3-205-068	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-069	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-070	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-071	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-072	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-073	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-074	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-075	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-076	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-077	GapSectionCorr. 6pass	H2DfH2Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-078	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
079				
3-205-080	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-205-081	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-082	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-083	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-084	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-085	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-086	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-087	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-088	GapSectionCorr. 6pass	H2DfH2Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-205-089	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-205-090	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-205-	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
091				
3-205-092	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-205-093	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-205-094	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-205-095	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-205-096	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-205-097	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-205-098	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-205-099	GapSectionCorr. 6pass	H2DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-001	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-002	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-003	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
3-206-005	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-206-006	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-206-007	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-206-008	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-206-009	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-206-010	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-206-011	GapSectionCorr. 6pass	H3DfH3Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-012	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-013	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-014	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-015	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				
3-206-017	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-206-018	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-206-019	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-206-020	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-206-021	GapSectionCorr. 6pass	H3DfH3bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-206-022	GapSectionCorr. 6pass	H3DfH3Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-023	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-024	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-025	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-026	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-206-027	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
028				
3-206-029	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-206-030	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-206-031	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-206-032	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-206-033	GapSectionCorr. 6pass	H3DfH3Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-034	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-035	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-036	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-037	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-206-038	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-206-039	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040				
3-206-041	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-206-042	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-206-043	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-206-044	GapSectionCorr. 6pass	H3DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-045	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-046	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-047	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-048	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-206-049	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-206-050	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-206-051	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				
3-206-053	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-206-054	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-206-055	GapSectionCorr. 6pass	H3DfH3Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-056	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-057	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-058	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-059	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-206-060	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-206-061	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-206-062	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-206-063	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
064				
3-206-065	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-206-066	GapSectionCorr. 6pass	H3DfH3Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-206-067	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-206-068	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-206-069	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-206-070	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-206-071	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-206-072	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-206-073	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-206-074	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-206-075	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-206-	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076				
3-206-077	GapSectionCorr. 6pass	H3DfH3Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-001	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-002	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-003	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-004	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-005	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-006	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-007	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-008	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-009	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-010	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH1Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011				
3-207-012	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-013	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-014	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-015	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-016	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-017	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-018	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-019	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-020	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-021	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-022	GapSectionCorr. 8pass	H1DfH1Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
023				
3-207-024	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-025	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-026	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-027	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-028	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-029	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-030	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-031	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-032	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-033	GapSectionCorr. 8pass	H1DfH1Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-034	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035				
3-207-036	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-037	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-038	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-039	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-040	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-041	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-042	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-043	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-044	GapSectionCorr. 8pass	H1DfH2Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-045	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-046	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
047				
3-207-048	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-049	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-050	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-051	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-052	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-053	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-054	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-055	GapSectionCorr. 8pass	H1DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-056	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-057	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-058	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
059				
3-207-060	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-061	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-062	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-063	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-064	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-065	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-066	GapSectionCorr. 8pass	H1DfH1Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-067	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-068	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-069	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-070	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071				
3-207-072	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-073	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-074	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-075	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-076	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-077	GapSectionCorr. 8pass	H1DfH1Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-078	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-079	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-080	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-081	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-082	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
083				
3-207-084	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-085	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-086	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-087	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-088	GapSectionCorr. 8pass	H1DfH1Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-089	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-090	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-091	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-092	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-093	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-094	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
095				
3-207-096	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-097	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-098	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-099	GapSectionCorr. 8pass	H1DfH1Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-100	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-101	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-102	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-103	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-104	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-105	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-106	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107				
3-207-108	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-207-109	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-110	GapSectionCorr. 8pass	H1DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-207-111	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-207-112	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-207-113	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-207-114	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-207-115	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-207-116	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-207-117	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-207-118	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-207-	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
119				
3-207-120	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-207-121	GapSectionCorr. 8pass	H1DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]

SP3-208 to SP3-223

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-208-001	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-002	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-003	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-004	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-005	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-006	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-007	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-008	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-009	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-010	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-011	GapSectionCorr. 8pass	H2DfH2Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-012	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013				1dot]
3-208-014	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-015	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-016	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-017	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-018	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-019	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-020	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-021	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-022	GapSectionCorr. 8pass	H2DfH2Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-023	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-024	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-025	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-026	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-027	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-028	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-029	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-030	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031				1dot]
3-208-032	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-033	GapSectionCorr. 8pass	H2DfH2Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-034	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-035	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-036	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-037	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-038	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-039	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-040	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-041	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-042	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-043	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-044	GapSectionCorr. 8pass	H2DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-045	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-046	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-047	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-048	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049				1dot]
3-208-050	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-051	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-052	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-053	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-054	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-055	GapSectionCorr. 8pass	H2DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-056	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-057	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-058	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-059	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-060	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-061	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-062	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-063	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-064	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-065	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-066	GapSectionCorr. 8pass	H2DfH2Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067				1dot]
3-208-068	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-069	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-070	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-071	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-072	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-073	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-074	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-075	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-076	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-077	GapSectionCorr. 8pass	H2DfH2Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-078	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-079	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-080	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-081	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-082	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-083	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-084	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
085				1dot]
3-208-086	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-087	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-088	GapSectionCorr. 8pass	H2DfH2Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-208-089	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-208-090	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-208-091	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-208-092	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-208-093	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-208-094	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-208-095	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-208-096	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-208-097	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-208-098	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-208-099	GapSectionCorr. 8pass	H2DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-209-001	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-002	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-003	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-209-	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-4	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				1dot]
3-209-005	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-006	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-007	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-209-008	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-009	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-010	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-209-011	GapSectionCorr. 8pass	H3DfH3Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-209-012	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-013	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-014	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-209-015	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-209-016	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-017	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-018	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-209-019	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-020	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-021	GapSectionCorr. 8pass	H3DfH3bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-209-	GapSectionCorr. 8pass	H3DfH3Bf:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022		11		1dot]
3-209-023	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-024	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-025	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-209-026	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-209-027	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-028	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-029	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-209-030	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-031	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-032	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-209-033	GapSectionCorr. 8pass	H3DfH3Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-209-034	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-035	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-036	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-209-037	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-209-038	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-039	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040				1dot]
3-209-041	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-042	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-043	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-209-044	GapSectionCorr. 8pass	H3DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-209-045	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-046	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-047	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-209-048	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-209-049	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-050	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-051	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-209-052	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-053	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-054	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-209-055	GapSectionCorr. 8pass	H3DfH3Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-209-056	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-057	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
058				1dot]
3-209-059	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-209-060	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-061	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-062	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-209-063	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-064	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-065	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-209-066	GapSectionCorr. 8pass	H3DfH3Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-209-067	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-209-068	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-209-069	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-209-070	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-209-071	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-209-072	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-209-073	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-209-074	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-209-075	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-209-	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076		10		1dot]
3-209-077	GapSectionCorr. 8pass	H3DfH3Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-001	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-002	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-003	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-004	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-005	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-006	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-007	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-008	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-009	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-010	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-011	GapSectionCorr. 12pass	H1DfH1Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-012	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-013	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-014	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-015	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-016	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-	GapSectionCorr.	H1DfH1Bf:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	12pass			1dot]
3-213-018	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-019	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-020	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-021	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-022	GapSectionCorr. 12pass	H1DfH1Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-023	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-024	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-025	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-026	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-027	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-028	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-029	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-030	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-031	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-032	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-033	GapSectionCorr. 12pass	H1DfH1Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-034	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-	GapSectionCorr.	H1DfH2Df:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	12pass			1dot]
3-213-036	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-037	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-038	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-039	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-040	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-041	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-042	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-043	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-044	GapSectionCorr. 12pass	H1DfH2Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-045	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-046	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-047	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-048	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-049	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-050	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-051	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-052	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-	GapSectionCorr.	H1DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	12pass			1dot]
3-213-054	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-055	GapSectionCorr. 12pass	H1DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-056	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-057	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-058	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-059	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-060	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-061	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-062	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-063	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-064	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-065	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-066	GapSectionCorr. 12pass	H1DfH1Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-067	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-068	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-069	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-070	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-	GapSectionCorr.	H1DfH1Cr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	12pass			1dot]
3-213-072	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-073	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-074	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-075	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-076	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-077	GapSectionCorr. 12pass	H1DfH1Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-078	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-079	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-080	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-081	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-082	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-083	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-084	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-085	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-086	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-087	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-088	GapSectionCorr. 12pass	H1DfH1Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-	GapSectionCorr.	H1DfH1Ar:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	12pass			1dot]
3-213-090	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-091	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-092	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-093	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-094	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-095	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-096	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-097	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-098	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-099	GapSectionCorr. 12pass	H1DfH1Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-100	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-101	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-102	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-103	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-104	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-105	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-106	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-	GapSectionCorr.	H1DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	12pass			1dot]
3-213-108	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-109	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-110	GapSectionCorr. 12pass	H1DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-213-111	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-213-112	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-213-113	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-213-114	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-213-115	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-213-116	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-213-117	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-213-118	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-213-119	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-213-120	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-213-121	GapSectionCorr. 12pass	H1DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-001	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-002	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-003	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-	GapSectionCorr.	H2DfH2Cf:DLY-POS-4	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	12pass			1dot]
3-214-005	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-006	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-007	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-008	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-009	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-010	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-011	GapSectionCorr. 12pass	H2DfH2Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-012	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-013	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-014	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-015	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-016	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-017	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-018	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-019	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-020	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-021	GapSectionCorr. 12pass	H2DfH2Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-	GapSectionCorr.	H2DfH2Bf:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022	12pass	11		1dot]
3-214-023	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-024	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-025	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-026	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-027	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-028	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-029	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-030	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-031	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-032	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-033	GapSectionCorr. 12pass	H2DfH2Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-034	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-035	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-036	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-037	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-038	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-039	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-	GapSectionCorr.	H2DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040	12pass			1dot]
3-214-041	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-042	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-043	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-044	GapSectionCorr. 12pass	H2DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-045	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-046	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-047	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-048	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-049	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-050	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-051	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-052	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-053	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-054	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-055	GapSectionCorr. 12pass	H2DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-056	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-057	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-	GapSectionCorr.	H2DfH2Cr:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
058	12pass			1dot]
3-214-059	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-060	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-061	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-062	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-063	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-064	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-065	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-066	GapSectionCorr. 12pass	H2DfH2Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-067	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-068	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-069	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-070	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-071	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-072	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-073	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-074	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-075	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-	GapSectionCorr.	H2DfH2Br:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076	12pass	10		1dot]
3-214-077	GapSectionCorr. 12pass	H2DfH2Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-078	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-079	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-080	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-081	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-082	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-083	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-214-084	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-085	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-086	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-087	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-088	GapSectionCorr. 12pass	H2DfH2Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-214-089	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-214-090	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-214-091	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-214-092	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-214-093	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-214-	GapSectionCorr.	H2DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
094	12pass			1dot]
3-214-095	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-214-096	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-214-097	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-214-098	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-214-099	GapSectionCorr. 12pass	H2DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-001	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-215-002	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-215-003	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-004	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-005	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-215-006	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-007	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-008	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-009	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-215-010	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-011	GapSectionCorr. 12pass	H3DfH3Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-012	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-215-	GapSectionCorr.	H3DfH3Bf:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013	12pass			1dot]
3-215-014	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-015	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-016	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-215-017	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-018	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-019	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-020	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-215-021	GapSectionCorr. 12pass	H3DfH3bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-022	GapSectionCorr. 12pass	H3DfH3Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-023	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-215-024	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-215-025	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-026	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-027	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-215-028	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-029	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-030	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-	GapSectionCorr.	H3DfH3Af:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031	12pass			1dot]
3-215-032	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-033	GapSectionCorr. 12pass	H3DfH3Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-034	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-215-035	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-215-036	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-037	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-038	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-215-039	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-040	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-041	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-042	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-215-043	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-044	GapSectionCorr. 12pass	H3DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-045	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-215-046	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-215-047	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-048	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-	GapSectionCorr.	H3DfH3Cr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049	12pass			1dot]
3-215-050	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-051	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-052	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-053	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-215-054	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-055	GapSectionCorr. 12pass	H3DfH3Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-056	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-215-057	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-215-058	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-059	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-060	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-215-061	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-062	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-063	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-064	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-215-065	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-066	GapSectionCorr. 12pass	H3DfH3Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-215-	GapSectionCorr.	H3DfH3Ar:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067	12pass			1dot]
3-215-068	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-215-069	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-215-070	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-215-071	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-215-072	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-215-073	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-215-074	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-215-075	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-215-076	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-215-077	GapSectionCorr. 12pass	H3DfH3Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-001	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-002	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-003	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-004	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-005	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-006	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-007	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH1Cf:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
008	16pass			1dot]
3-219-009	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-010	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-011	GapSectionCorr. 16pass	H1DfH1Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-012	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-013	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-014	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-015	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-016	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-017	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-018	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-019	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-020	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-021	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-022	GapSectionCorr. 16pass	H1DfH1Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-023	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-024	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-025	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH1Af:DLY-POS-4	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
026	16pass			1dot]
3-219-027	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-028	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-029	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-030	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-031	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-032	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-033	GapSectionCorr. 16pass	H1DfH1Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-034	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-035	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-036	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-037	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-038	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-039	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-040	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-041	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-042	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-043	GapSectionCorr. 16pass	H1DfH2Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH2Df:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
044	16pass	11		1dot]
3-219-045	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-046	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-047	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-048	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-049	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-050	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-051	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-052	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-053	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-054	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-055	GapSectionCorr. 16pass	H1DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-056	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-057	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-058	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-059	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-060	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-061	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH1Dr:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
062	16pass			1dot]
3-219-063	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-064	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-065	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-066	GapSectionCorr. 16pass	H1DfH1Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-067	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-068	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-069	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-070	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-071	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-072	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-073	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-074	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-075	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-076	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-077	GapSectionCorr. 16pass	H1DfH1Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-078	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-079	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH1Br:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
080	16pass			1dot]
3-219-081	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-082	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-083	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-084	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-085	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-086	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-087	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-088	GapSectionCorr. 16pass	H1DfH1Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-089	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-090	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-091	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-092	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-093	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-094	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-095	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-096	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-097	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH1Ar:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
098	16pass	10		1dot]
3-219-099	GapSectionCorr. 16pass	H1DfH1Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-100	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-101	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-102	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-103	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-104	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-105	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-219-106	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-107	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-108	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-109	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-110	GapSectionCorr. 16pass	H1DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-219-111	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-219-112	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-219-113	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-219-114	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-219-115	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-219-	GapSectionCorr.	H1DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
116	16pass			1dot]
3-219-117	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-219-118	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-219-119	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-219-120	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-219-121	GapSectionCorr. 16pass	H1DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-001	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-002	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-003	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-004	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-005	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-006	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-007	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-008	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-009	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-010	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-011	GapSectionCorr. 16pass	H2DfH2Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-012	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-	GapSectionCorr.	H2DfH2Bf:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
013	16pass			1dot]
3-220-014	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-015	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-016	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-017	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-018	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-019	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-020	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-021	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-022	GapSectionCorr. 16pass	H2DfH2Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-023	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-024	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-025	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-026	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-027	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-028	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-029	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-030	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-	GapSectionCorr.	H2DfH2Af:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
031	16pass			1dot]
3-220-032	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-033	GapSectionCorr. 16pass	H2DfH2Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-034	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-035	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-036	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-037	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-038	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-039	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-040	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-041	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-042	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-043	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-044	GapSectionCorr. 16pass	H2DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-045	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-046	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-047	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-048	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-	GapSectionCorr.	H2DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
049	16pass			1dot]
3-220-050	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-051	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-052	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-053	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-054	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-055	GapSectionCorr. 16pass	H2DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-056	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-057	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-058	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-059	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-060	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-061	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-062	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-063	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-064	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-065	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-066	GapSectionCorr. 16pass	H2DfH2Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-	GapSectionCorr.	H2DfH2Br:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
067	16pass			1dot]
3-220-068	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-069	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-070	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-071	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-072	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-073	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-074	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-075	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-076	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-077	GapSectionCorr. 16pass	H2DfH2Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-078	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-079	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-080	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-081	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-082	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-083	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-084	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-	GapSectionCorr.	H2DfH2Ar:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
085	16pass			1dot]
3-220-086	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-087	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-088	GapSectionCorr. 16pass	H2DfH2Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-220-089	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-220-090	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-220-091	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-220-092	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-220-093	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-220-094	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-220-095	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-220-096	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-220-097	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-220-098	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-220-099	GapSectionCorr. 16pass	H2DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-221-001	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-002	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-003	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-221-	GapSectionCorr.	H3DfH3Cf:DLY-POS-4	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	16pass			1dot]
3-221-005	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-006	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-007	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-221-008	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-009	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-010	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-221-011	GapSectionCorr. 16pass	H3DfH3Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-221-012	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-013	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-014	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-221-015	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-221-016	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-017	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-018	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-221-019	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-020	GapSectionCorr. 16pass	H3DfH3Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-021	GapSectionCorr. 16pass	H3DfH3bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-221-	GapSectionCorr.	H3DfH3Bf:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022	16pass	11		1dot]
3-221-023	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-024	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-025	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-221-026	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-221-027	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-028	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-029	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-221-030	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-031	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-032	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-221-033	GapSectionCorr. 16pass	H3DfH3Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-221-034	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-035	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-036	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-221-037	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-221-038	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-039	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-	GapSectionCorr.	H3DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040	16pass			1dot]
3-221-041	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-042	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-043	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-221-044	GapSectionCorr. 16pass	H3DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-221-045	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-046	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-047	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-221-048	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-221-049	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-050	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-051	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-221-052	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-053	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-054	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-221-055	GapSectionCorr. 16pass	H3DfH3Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-221-056	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-057	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-	GapSectionCorr.	H3DfH3Br:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
058	16pass			1dot]
3-221-059	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-221-060	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-061	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-062	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-221-063	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-064	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-065	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-221-066	GapSectionCorr. 16pass	H3DfH3Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-221-067	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-221-068	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-221-069	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-221-070	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-221-071	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-221-072	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-221-073	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-221-074	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-221-075	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-221-	GapSectionCorr.	H3DfH3Ar:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076	16pass	10		1dot]
3-221-077	GapSectionCorr. 16pass	H3DfH3Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-001	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-002	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-003	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-004	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-005	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-006	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-007	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-008	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-009	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-010	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-011	GapSectionCorr. 32pass	H1DfH1Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-012	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-013	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-014	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-015	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-016	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-	GapSectionCorr.	H1DfH1Bf:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017	32pass			1dot]
3-222-018	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-019	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-020	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-021	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-022	GapSectionCorr. 32pass	H1DfH1Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-023	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-024	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-025	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-026	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-027	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-028	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-029	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-030	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-031	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-032	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-033	GapSectionCorr. 32pass	H1DfH1Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-034	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-	GapSectionCorr.	H1DfH2Df:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
035	32pass			1dot]
3-222-036	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-037	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-038	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-039	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-040	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-041	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-042	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-043	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-044	GapSectionCorr. 32pass	H1DfH2Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-045	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-046	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-047	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-048	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-049	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-050	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-051	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-052	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-	GapSectionCorr.	H1DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
053	32pass			1dot]
3-222-054	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-055	GapSectionCorr. 32pass	H1DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-056	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-057	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-058	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-059	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-060	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-061	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-062	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-063	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-064	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-065	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-066	GapSectionCorr. 32pass	H1DfH1Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-067	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-068	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-069	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-070	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-	GapSectionCorr.	H1DfH1Cr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
071	32pass			1dot]
3-222-072	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-073	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-074	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-075	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-076	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-077	GapSectionCorr. 32pass	H1DfH1Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-078	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-079	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-080	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-081	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-082	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-083	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-084	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-085	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-086	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-087	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-088	GapSectionCorr. 32pass	H1DfH1Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-	GapSectionCorr.	H1DfH1Ar:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
089	32pass			1dot]
3-222-090	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-091	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-092	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-093	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-094	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-095	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-096	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-097	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-098	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-099	GapSectionCorr. 32pass	H1DfH1Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-100	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-101	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-102	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-103	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-104	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-105	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-106	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-	GapSectionCorr.	H1DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107	32pass			1dot]
3-222-108	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-109	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-110	GapSectionCorr. 32pass	H1DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-222-111	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-222-112	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-222-113	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-222-114	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-222-115	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-222-116	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-222-117	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-222-118	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-222-119	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-222-120	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-222-121	GapSectionCorr. 32pass	H1DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-001	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-002	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-003	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-	GapSectionCorr.	H2DfH2Cf:DLY-POS-4	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004	32pass			1dot]
3-223-005	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-006	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-007	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-008	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-009	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-010	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-011	GapSectionCorr. 32pass	H2DfH2Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-012	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-013	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-014	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-015	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-016	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-017	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-018	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-019	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-020	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-021	GapSectionCorr. 32pass	H2DfH2Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-	GapSectionCorr.	H2DfH2Bf:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022	32pass	11		1dot]
3-223-023	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-024	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-025	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-026	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-027	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-028	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-029	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-030	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-031	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-032	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-033	GapSectionCorr. 32pass	H2DfH2Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-034	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-035	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-036	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-037	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-038	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-039	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-	GapSectionCorr.	H2DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
040	32pass			1dot]
3-223-041	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-042	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-043	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-044	GapSectionCorr. 32pass	H2DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-045	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-046	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-047	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-048	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-049	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-050	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-051	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-052	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-053	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-054	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-055	GapSectionCorr. 32pass	H2DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-056	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-057	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-	GapSectionCorr.	H2DfH2Cr:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
058	32pass			1dot]
3-223-059	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-060	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-061	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-062	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-063	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-064	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-065	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-066	GapSectionCorr. 32pass	H2DfH2Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-067	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-068	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-069	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-070	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-071	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-072	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-073	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-074	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-075	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-	GapSectionCorr.	H2DfH2Br:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
076	32pass	10		1dot]
3-223-077	GapSectionCorr. 32pass	H2DfH2Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-078	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-079	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-080	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-081	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-082	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-083	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-223-084	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-085	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-086	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-087	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-088	GapSectionCorr. 32pass	H2DfH2Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-223-089	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-223-090	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-223-091	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-223-092	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-223-093	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-223-	GapSectionCorr.	H2DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
094	32pass			1dot]
3-223-095	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-223-096	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-223-097	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-223-098	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-223-099	GapSectionCorr. 32pass	H2DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]

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SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
3-224-001	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-002	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-003	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-224-004	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-005	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-006	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-007	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-224-008	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-009	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-010	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-224-	GapSectionCorr. 32pass	H3DfH3Cf:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011		11		1dot]
3-224-012	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-013	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-014	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-224-015	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-016	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-017	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-018	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-224-019	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-020	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-021	GapSectionCorr. 32pass	H3DfH3bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-224-022	GapSectionCorr. 32pass	H3DfH3Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-224-023	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-024	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-025	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-224-026	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-027	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-028	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
029				1dot]
3-224-030	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-031	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-032	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-224-033	GapSectionCorr. 32pass	H3DfH3Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-224-034	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-035	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-036	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-224-037	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-038	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-039	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-040	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-224-041	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-042	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-043	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-224-044	GapSectionCorr. 32pass	H3DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-224-045	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-046	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
047				1dot]
3-224-048	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-049	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-050	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-051	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-224-052	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-053	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-054	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-224-055	GapSectionCorr. 32pass	H3DfH3Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-224-056	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-057	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-058	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-224-059	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-060	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-061	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-062	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-224-063	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-064	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
065		10		1dot]
3-224-066	GapSectionCorr. 32pass	H3DfH3Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-224-067	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-224-068	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-224-069	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-224-070	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-224-071	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-224-072	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-224-073	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-224-074	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-224-075	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-224-076	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-224-077	GapSectionCorr. 32pass	H3DfH3Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-001	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-002	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-003	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-004	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-005	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
006				1dot]
3-243-007	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-008	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-009	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-010	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-011	GapSectionCorr. W 12pass	H1DfH1Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-012	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-013	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-014	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-015	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-016	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-017	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-018	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-019	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-020	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-021	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-022	GapSectionCorr. W 12pass	H1DfH1Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-023	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
024				1dot]
3-243-025	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-026	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-027	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-028	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-029	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-030	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-031	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-032	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-033	GapSectionCorr. W 12pass	H1DfH1Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-034	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-035	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-036	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-037	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-038	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-039	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-040	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-041	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
042				1dot]
3-243-043	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-044	GapSectionCorr. W 12pass	H1DfH2Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-045	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-046	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-047	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-048	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-049	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-050	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-051	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-052	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-053	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-054	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-055	GapSectionCorr. W 12pass	H1DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-056	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-057	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-058	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-059	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
060				1dot]
3-243-061	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-062	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-063	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-064	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-065	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-066	GapSectionCorr. W 12pass	H1DfH1Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-067	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-068	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-069	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-070	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-071	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-072	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-073	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-074	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-075	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-076	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-077	GapSectionCorr. W 12pass	H1DfH1Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
078				1dot]
3-243-079	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-080	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-081	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-082	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-083	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-084	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-085	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-086	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-087	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-088	GapSectionCorr. W 12pass	H1DfH1Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-089	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-090	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-091	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-092	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-093	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-094	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-095	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
096				1dot]
3-243-097	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-098	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-099	GapSectionCorr. W 12pass	H1DfH1Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-100	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-101	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-102	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-103	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-243-104	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-105	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-106	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-107	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-108	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-109	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-110	GapSectionCorr. W 12pass	H1DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-243-111	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-243-112	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-243-113	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-243-	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
114				1dot]
3-243-115	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-243-116	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-243-117	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-243-118	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-243-119	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-243-120	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-243-121	GapSectionCorr. W 12pass	H1DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-001	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-002	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-003	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-004	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-005	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-006	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-007	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-008	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-009	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-010	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-	GapSectionCorr. W 12pass	H2DfH2Cf:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
011		11		1dot]
3-244-012	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-013	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-014	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-015	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-016	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-017	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-018	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-019	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-020	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-021	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-022	GapSectionCorr. W 12pass	H2DfH2Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-023	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-024	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-025	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-026	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-027	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-028	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-7	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
029				1dot]
3-244-030	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-031	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-032	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-033	GapSectionCorr. W 12pass	H2DfH2Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-034	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-035	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-036	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-037	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-038	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-039	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-040	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-041	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-042	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-043	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-044	GapSectionCorr. W 12pass	H2DfH3Df:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-045	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-046	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-3	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
047				1dot]
3-244-048	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-049	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-050	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-051	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-052	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-053	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-054	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-055	GapSectionCorr. W 12pass	H2DfH2Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-056	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-057	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-058	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-059	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-060	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-061	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-062	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-063	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-064	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
065		10		1dot]
3-244-066	GapSectionCorr. W 12pass	H2DfH2Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-067	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-068	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-069	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-070	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-071	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-072	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-073	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-074	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-075	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-076	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-077	GapSectionCorr. W 12pass	H2DfH2Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-078	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-079	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-080	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-081	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-082	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-6	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
083				1dot]
3-244-084	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-085	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-086	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-087	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-088	GapSectionCorr. W 12pass	H2DfH2Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-244-089	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-244-090	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-244-091	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-244-092	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-244-093	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-244-094	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-244-095	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-244-096	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-244-097	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-244-098	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-244-099	GapSectionCorr. W 12pass	H2DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-001	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-245-	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-2	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				1dot]
3-245-003	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-004	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-005	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-245-006	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-007	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-008	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-245-009	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-245-010	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-011	GapSectionCorr. W 12pass	H3DfH3Cf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-012	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-245-013	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-245-014	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-015	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-016	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-245-017	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-018	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-019	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-245-	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-9	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
020				1dot]
3-245-021	GapSectionCorr. W 12pass	H3DfH3bf:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-022	GapSectionCorr. W 12pass	H3DfH3Bf:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-023	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-245-024	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-245-025	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-026	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-027	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-245-028	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-029	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-030	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-245-031	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-245-032	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-033	GapSectionCorr. W 12pass	H3DfH3Af:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-034	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-245-035	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-245-036	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-037	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-5	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
038				1dot]
3-245-039	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-040	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-041	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-245-042	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-245-043	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-044	GapSectionCorr. W 12pass	H3DfH3Dr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-045	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-245-046	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-245-047	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-048	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-049	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-245-050	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-051	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-052	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-245-053	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-245-054	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-055	GapSectionCorr. W 12pass	H3DfH3Cr:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-1	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
056				1dot]
3-245-057	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-245-058	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-059	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-060	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-245-061	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-062	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-063	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-8	ENG	[-127 to 127 / 0 / 1dot]
3-245-064	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-245-065	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-066	GapSectionCorr. W 12pass	H3DfH3Br:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-245-067	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-1	ENG	[-127 to 127 / 0 / 1dot]
3-245-068	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-2	ENG	[-127 to 127 / 0 / 1dot]
3-245-069	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-3	ENG	[-127 to 127 / 0 / 1dot]
3-245-070	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-4	ENG	[-127 to 127 / 0 / 1dot]
3-245-071	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-5	ENG	[-127 to 127 / 0 / 1dot]
3-245-072	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-6	ENG	[-127 to 127 / 0 / 1dot]
3-245-073	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-7	ENG	[-127 to 127 / 0 / 1dot]
3-245-	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-8	ENG	[-127 to 127 / 0 /

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
074				1dot]
3-245-075	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-9	ENG	[-127 to 127 / 0 / 1dot]
3-245-076	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-10	ENG	[-127 to 127 / 0 / 1dot]
3-245-077	GapSectionCorr. W 12pass	H3DfH3Ar:DLY-POS-11	ENG	[-127 to 127 / 0 / 1dot]
3-255-001	Julia Sensor	Capture Wait Time	ENG	[0 to 5 / 1 / 0.1sec]
3-255-002	Julia Sensor	Patch reading Wait Time	ENG	[0 to 5 / 1 / 0.1sec]
3-260-001	Ref Set:Drop position:12pass	Ref:Default	ENG	[0 to 1 / 0 / 1]
3-260-002	Ref Set:Drop position:12pass	Ref:+1	ENG	[0 to 1 / 0 / 1]
3-260-003	Ref Set:Drop position:12pass	Ref:+2	ENG	[0 to 1 / 0 / 1]
3-260-004	Ref Set:Drop position:12pass	Ref:+3	ENG	[0 to 1 / 0 / 1]
3-261-001	Ref Set:Drop position:All	Ref:12pass	ENG	[0 to 1 / 0 / 1]
3-265-001	Drop Position Corr Factor:WF1	Head1:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-265-002	Drop Position Corr Factor:WF1	Head1:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-265-003	Drop Position Corr Factor:WF1	Head1:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-265-004	Drop Position Corr Factor:WF1	Head1:+3	ENG	[0.1 to 2 / 1 / 0.01]
3-265-011	Drop Position Corr Factor:WF1	Head2:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-265-012	Drop Position Corr Factor:WF1	Head2:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-265-013	Drop Position Corr Factor:WF1	Head2:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-265-	Drop Position Corr	Head2:+3	ENG	[0.1 to 2 / 1 / 0.01]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014	Factor:WF1			
3-265-021	Drop Position Corr Factor:WF1	Head3:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-265-022	Drop Position Corr Factor:WF1	Head3:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-265-023	Drop Position Corr Factor:WF1	Head3:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-265-024	Drop Position Corr Factor:WF1	Head3:+3	ENG	[0.1 to 2 / 1 / 0.01]
3-266-001	Drop Position Corr Factor:WF2	Head1:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-266-002	Drop Position Corr Factor:WF2	Head1:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-266-003	Drop Position Corr Factor:WF2	Head1:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-266-004	Drop Position Corr Factor:WF2	Head1:+3	ENG	[0.1 to 2 / 1 / 0.01]
3-266-011	Drop Position Corr Factor:WF2	Head2:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-266-012	Drop Position Corr Factor:WF2	Head2:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-266-013	Drop Position Corr Factor:WF2	Head2:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-266-014	Drop Position Corr Factor:WF2	Head2:+3	ENG	[0.1 to 2 / 1 / 0.01]
3-266-021	Drop Position Corr Factor:WF2	Head3:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-266-022	Drop Position Corr Factor:WF2	Head3:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-266-023	Drop Position Corr Factor:WF2	Head3:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-266-024	Drop Position Corr Factor:WF2	Head3:+3	ENG	[0.1 to 2 / 1 / 0.01]
3-267-011	Drop Position Corr Factor:WF3	Head2:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-267-	Drop Position Corr	Head2:+1	ENG	[0.1 to 2 / 1 / 0.01]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
012	Factor:WF3			
3-267-013	Drop Position Corr Factor:WF3	Head2:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-267-014	Drop Position Corr Factor:WF3	Head2:+3	ENG	[0.1 to 2 / 1 / 0.01]
3-267-021	Drop Position Corr Factor:WF3	Head3:Default	ENG	[0.1 to 2 / 1 / 0.01]
3-267-022	Drop Position Corr Factor:WF3	Head3:+1	ENG	[0.1 to 2 / 1 / 0.01]
3-267-023	Drop Position Corr Factor:WF3	Head3:+2	ENG	[0.1 to 2 / 1 / 0.01]
3-267-024	Drop Position Corr Factor:WF3	Head3:+3	ENG	[0.1 to 2 / 1 / 0.01]

Main SP Tables-4

SP4-XXX

There are no group of service program mode 4-XXX for this machine.

Main SP Tables-5 (Engine)

SP5-801 to SP5-964

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-801-002	Memory Clear	Engine	ENG	[0 to 1 / 0 / 1]
5-807-001	Area/Model Selection	Area Code Setting	ENG*	[0 to 7 / 0 / 1]
5-810-001	SC Reset	Fusing SC Reset	ENG	[0 to 1 / 0 / 1]
5-811-001	Machine Serial Number	Set	ENG*	[0 to 255 / 0 / 1]
5-811-002	Machine Serial Number	Display	ENG	[0 to 255 / 0 / 1]
5-882-001	Machinne Type		ENG*	[0 to 1 / 0 / 1]
5-882-002	Machine Information	Ink Set	ENG*	[0 to 4 / 0 / 1]
5-884-001	Factory Setting	Restore	ENG	[0 to 1 / 0 / 1]
5-884-002	Factory Setting	Backup	ENG	[0 to 1 / 0 / 1]
5-884-003	Factory Setting	Head Gap Backup	ENG	[0 to 1 / 0 / 1]
5-900-001	Engine Log Upload	Pattern	ENG*	[0 to 4 / 0 / 1]
5-900-002	Engine Log Upload	Trigger	ENG*	[0 to 3 / 0 / 1]
5-961-001	Power Supply Voltage Display	Power Supply Voltage: Input 1	ENG	[0 to 300 / 0 / 1V]
5-961-002	Power Supply Voltage Display	Power Supply Voltage: Input 2	ENG	[0 to 300 / 0 / 1V]
5-962-001	SC Number: 1	SC Number 1: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-002	SC Number: 1	SC Number 2: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-	SC Number: 1	SC Number 3: System 1	ENG	[0 to 99999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
003				
5-962-004	SC Number: 1	SC Number 4: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-005	SC Number: 1	SC Number 5: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-006	SC Number: 1	SC Number 6: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-007	SC Number: 1	SC Number 7: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-008	SC Number: 1	SC Number 8: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-009	SC Number: 1	SC Number 9: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-010	SC Number: 1	SC Number 10: System 1	ENG	[0 to 99999 / 0 / 1]
5-962-011	SC Number: 2	SC Number 1: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-012	SC Number: 2	SC Number 2: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-013	SC Number: 2	SC Number 3: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-014	SC Number: 2	SC Number 4: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-015	SC Number: 2	SC Number 5: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-016	SC Number: 2	SC Number 6: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-017	SC Number: 2	SC Number 7: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-018	SC Number: 2	SC Number 8: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-019	SC Number: 2	SC Number 9: System 2	ENG	[0 to 99999 / 0 / 1]
5-962-020	SC Number: 2	SC Number 10: System 2	ENG	[0 to 99999 / 0 / 1]
5-963-	Max Voltage At Error: 1	Max Voltage 1: System 1	ENG	[0 to 300 / 0 / 1V]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
001				
5-963-002	Max Voltage At Error: 1	Max Voltage 2: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-003	Max Voltage At Error: 1	Max Voltage 3: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-004	Max Voltage At Error: 1	Max Voltage 4: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-005	Max Voltage At Error: 1	Max Voltage 5: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-006	Max Voltage At Error: 1	Max Voltage 6: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-007	Max Voltage At Error: 1	Max Voltage 7: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-008	Max Voltage At Error: 1	Max Voltage 8: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-009	Max Voltage At Error: 1	Max Voltage 9: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-010	Max Voltage At Error: 1	Max Voltage 10: System 1	ENG	[0 to 300 / 0 / 1V]
5-963-011	Max Voltage At Error: 2	Max Voltage 1: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-012	Max Voltage At Error: 2	Max Voltage 2: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-013	Max Voltage At Error: 2	Max Voltage 3: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-014	Max Voltage At Error: 2	Max Voltage 4: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-015	Max Voltage At Error: 2	Max Voltage 5: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-016	Max Voltage At Error: 2	Max Voltage 6: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-017	Max Voltage At Error: 2	Max Voltage 7: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-018	Max Voltage At Error: 2	Max Voltage 8: System 2	ENG	[0 to 300 / 0 / 1V]
5-963-	Max Voltage At Error: 2	Max Voltage 9: System 2	ENG	[0 to 300 / 0 / 1V]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
019				
5-963-020	Max Voltage At Error: 2	Max Voltage 10: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-001	Min Voltage At Error: 1	Min Voltage 1: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-002	Min Voltage At Error: 1	Min Voltage 2: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-003	Min Voltage At Error: 1	Min Voltage 3: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-004	Min Voltage At Error: 1	Min Voltage 4: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-005	Min Voltage At Error: 1	Min Voltage 5: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-006	Min Voltage At Error: 1	Min Voltage 6: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-007	Min Voltage At Error: 1	Min Voltage 7: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-008	Min Voltage At Error: 1	Min Voltage 8: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-009	Min Voltage At Error: 1	Min Voltage 9: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-010	Min Voltage At Error: 1	Min Voltage 10: System 1	ENG	[0 to 300 / 0 / 1V]
5-964-011	Min Voltage At Error: 2	Min Voltage 1: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-012	Min Voltage At Error: 2	Min Voltage 2: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-013	Min Voltage At Error: 2	Min Voltage 3: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-014	Min Voltage At Error: 2	Min Voltage 4: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-015	Min Voltage At Error: 2	Min Voltage 5: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-016	Min Voltage At Error: 2	Min Voltage 6: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-	Min Voltage At Error: 2	Min Voltage 7: System 2	ENG	[0 to 300 / 0 / 1V]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
017				
5-964-018	Min Voltage At Error: 2	Min Voltage 8: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-019	Min Voltage At Error: 2	Min Voltage 9: System 2	ENG	[0 to 300 / 0 / 1V]
5-964-020	Min Voltage At Error: 2	Min Voltage 10: System 2	ENG	[0 to 300 / 0 / 1V]

Main SP Tables-5 (Controller)

SP5-008 to SP5-992

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-008-002	Operation Panel Buzzer	Buzzer Volume	CTL *	[2 to 5 / 4 / 1]
5-024-001	mm/inch Display Selection	0:mm 1:inch	CTL *	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0
5-024-002	C/F Display Selection	0:Celsius 1:Fahrenheit	CTL *	[0 to 1 / * / 1] *NA: 1 *EU/AP/CHN/TWN/KOR: 0
5-062-001	Head	Part Replacement Alert Display	CTL *	[0 to 1 / 0 / 1]
5-062-011	Ink Supply Pump	Part Replacement Alert Display	CTL *	[0 to 1 / 0 / 1]
5-062-041	Filter	Part Replacement Alert Display	CTL *	[0 to 1 / 0 / 1]
5-102-001	Auto Reset	Print Suspended Screen	CTL *	[1 to 120 / 10 / 1min]
5-103-001	Screen Dsp Set	Heater Setting Screen	CTL *	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
5-302-002	Set Time	Time Difference	CTL *	[-1440 to 1440 / * / 1] *NA: -300 *EU: 60 *AP/CHN/TWN: 480 *KOR: 540
5-302-003	Set Time	Set Date	CTL	[19900101 to 20371231 / 0 / 1]
5-302-004	Set Time	Set Time	CTL	[0 to 235959 / 0 / 1]
5-305-001	Auto Off Set	Set Function	CTL *	[0 to 1 / 0 / 1]
5-307-001	Daylight Saving Time	Setting	CTL *	[0 to 1 / * / 1] *NA/EU: 1 *AP/CHN/TWN/KOR: 0
5-307-003	Daylight Saving Time	Rule Set(Start)	CTL *	[0 to 0xffffffff / * / 1] *NA: 0x03200210 *EU: 0x03500010 *AP: 0x10500010 *CHN/TWN/KOR: 0
5-307-004	Daylight Saving Time	Rule Set(End)	CTL *	[0 to 0xffffffff / * / 1] *NA: 0x11100200 *EU: 0x10500100 *AP: 0x03100000 *CHN/TWN/KOR: 0
5-504-001	Jam Alarm		CTL *	[0 to 3 / 3 / 1]
5-	Jam Alarm	Threshold	CTL	[1 to 99 / 10 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
504-002			*	
5-505-001	Error Alarm		CTL *	[0 to 255 / 19 / 1]
5-505-002	Error Alarm	Threshold	CTL *	[1 to 99 / 10 / 1]
5-507-003	Supply/CC Alarm	Ink Supply Alarm	CTL *	[0 to 1 / 1 / 1]
5-507-080	Supply/CC Alarm	Ink Call Timing	CTL *	[0 to 1 / 1 / 1] 0:At replacement 1:At near end
5-507-081	Supply/CC Alarm	Cleaning Liquid Call Timing	CTL *	[0 to 1 / 1 / 1] 0:At replacement 1:At near end
5-507-082	Supply/CC Alarm	Web Call Timing	CTL *	[0 to 1 / 1 / 1] 0:At replacement 1:At near end
5-507-083	Supply/CC Alarm	Ink Call Threshold	CTL *	[10 to 90 / 30 / 10%]
5-507-084	Supply/CC Alarm	Cleaning Liquid Call Threshold	CTL *	[10 to 90 / 20 / 10%]
5-	Supply/CC Alarm	Web Call Threshold	CTL	[10 to 90 / 20 / 10%]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
507-085			*	
5-515-001	SC/Alarm Setting	SC Call	CTL *	[0 to 1 / 1 / 1]
5-515-004	SC/Alarm Setting	User Call	CTL *	[0 to 1 / 1 / 1]
5-515-006	SC/Alarm Setting	Communication Test Call	CTL *	[0 to 1 / 1 / 1]
5-515-007	SC/Alarm Setting	Machine Information Notice	CTL *	[0 to 1 / 1 / 1]
5-515-008	SC/Alarm Setting	Alarm Notice	CTL *	[0 to 1 / 1 / 1]
5-515-009	SC/Alarm Setting	Non Genuine Cartridge Alarm	CTL *	[0 to 1 / 1 / 1]
5-515-010	SC/Alarm Setting	Supply Automatic Ordering Call	CTL *	[0 to 1 / 1 / 1]
5-515-012	SC/Alarm Setting	Jam Alarm	CTL *	[0 to 1 / 1 / 1]
5-	Controller Bit SW	BitSwitch#0	CTL	[0x00 to 0xFF / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
701-001			*	
5-701-002	Controller Bit SW	BitSwitch#1	CTL *	[0x00 to 0xFF / 0 / 1]
5-801-001	Memory Clear	All Clear	CTL	[0 to 0 / 0 / 0]
5-801-003	Memory Clear	CONFIG	CTL	[0 to 0 / 0 / 0]
5-801-004	Memory Clear	NRS	CTL	[0 to 0 / 0 / 0]
5-801-005	Memory Clear	NETWORK	CTL	[0 to 0 / 0 / 0]
5-801-006	Memory Clear	SYSTEM	CTL	[0 to 0 / 0 / 0]
5-801-007	Memory Clear	FWU	CTL	[0 to 0 / 0 / 0]
5-812-001	Service Tel. No. Setting	Service	CTL *	[0 to 0 / 0 / 0]
5-	Service Tel. No. Setting	Supply	CTL	[0 to 0 / 0 / 0]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
812-003			*	
5-816-002	Remote Service	CE Call	CTL	[0 to 1 / 0 / 1]
5-816-003	Remote Service	Function Flag	CTL *	[0 to 1 / 0 / 1]
5-816-061	Remote Service	Cert Expire Timing	CTL *	[0 to 0 / 0 / 0]
5-816-062	Remote Service	Use Proxy	CTL *	[0 to 0 / 0 / 1]
5-816-063	Remote Service	Proxy Host	CTL *	[0 to 0 / 0 / 0]
5-816-064	Remote Service	Proxy PortNumber	CTL *	[0 to 0xffff / 0 / 1]
5-816-065	Remote Service	Proxy User Name	CTL *	[0 to 0 / 0 / 0]
5-816-066	Remote Service	Proxy Password	CTL *	[0 to 0 / 0 / 0]
5-	Remote Service	CERT:Up State	CTL	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
816-067			*	
5-816-068	Remote Service	CERT:Error	CTL *	[0 to 255 / 0 / 1]
5-816-069	Remote Service	CERT:Up ID	CTL *	[0 to 0 / 0 / 0]
5-816-087	Remote Service	CERT:Macro Ver.	CTL *	[0 to 0 / 0 / 0]
5-816-088	Remote Service	CERT:PAC Ver.	CTL *	[0 to 0 / 0 / 0]
5-816-089	Remote Service	CERT:ID2Code	CTL *	[0 to 0 / 0 / 0]
5-816-090	Remote Service	CERT:Subject	CTL *	[0 to 0 / 0 / 0]
5-816-091	Remote Service	CERT:SerialNo.	CTL *	[0 to 0 / 0 / 0]
5-816-092	Remote Service	CERT:Issuer	CTL *	[0 to 0 / 0 / 0]
5-	Remote Service	CERT:Valid Start	CTL	[0 to 0 / 0 / 0]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
816-093			*	
5-816-094	Remote Service	CERT:Valid End	CTL *	[0 to 0 / 0 / 0]
5-816-103	Remote Service	Client Communication Method	CTL *	[0 to 3 / 0 / 1]
5-816-104	Remote Service	Client Communication Limit	CTL *	[1 to 7 / 7 / 1]
5-816-200	Remote Service	Manual Polling	CTL	[0 to 1 / 0 / 1]
5-816-201	Remote Service	Regist Status	CTL *	[0 to 255 / 0 / 1]
5-816-202	Remote Service	Letter Number	CTL *	[0 to 0 / 0 / 0]
5-816-203	Remote Service	Confirm Execute	CTL	[0 to 1 / 0 / 1]
5-816-204	Remote Service	Confirm Result	CTL *	[0 to 255 / 0 / 1]
5-	Remote Service	Confirm Place	CTL	[0 to 1 / 0 / 0]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
816-205			*	
5-816-206	Remote Service	Register Execute	CTL	[0 to 1 / 0 / 1]
5-816-207	Remote Service	Register Result	CTL *	[0 to 255 / 0 / 1]
5-816-208	Remote Service	Error Code	CTL *	[-2147483647 to 2147483647 / 0 / 0]
5-816-209	Remote Service	Instl Clear	CTL	[0 to 1 / 0 / 1]
5-824-001	NV-RAM Data Upload		CTL	[0 to 0 / 0 / 0]
5-825-001	NV-RAM Data Download		CTL	[0 to 0 / 0 / 0]
5-849-001	Installation Date	Display	CTL *	[0 to 0 / 0 / 0]
5-858-001	Collect Machine Info	0:OFF 1:ON	CTL *	[0 to 1 / 1 / 1]
5-	Collect Machine Info	Failure Occuring Date	CTL	[0 to 20371212 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
858-101			*	
5-858-102	Collect Machine Info	Tracing Days	CTL *	[1 to 180 / 2 / 1day]
5-858-141	Collect Machine Info	Acquire All Debug Logs	CTL	[-128 to 127 / 0 / 0]
5-858-142	Collect Machine Info	Acquire Controller Debug Logs Only	CTL	[-128 to 127 / 0 / 0]
5-858-143	Collect Machine Info	Acquire Engine Debug Logs Only	CTL	[-128 to 127 / 0 / 0]
5-870-002	Common KeyInfo Writing	Deletion	CTL	[0 to 1 / 0 / 1]
5-875-001	SC Auto Reboot	Reboot Setting	CTL *	[0 to 1 / 0 / 1]
5-886-001	Farm Update Setting	Permit ROM update	CTL *	[0 to 1 / 0 / 1]
5-907-001	Plug & Play Maker/Model Name		CTL *	[0 to 255 / 0 / 1]
5-	Auto Gap Adjustment	8pass	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
911-001				
5-911-002	Auto Gap Adjustment	12pass	CTL	[0 to 1 / 0 / 1]
5-911-004	Auto Gap Adjustment	16pass	CTL	[0 to 1 / 0 / 1]
5-911-005	Auto Gap Adjustment	32pass	CTL	[0 to 1 / 0 / 1]
5-911-007	Auto Gap Adjustment	12pass: W	CTL	[0 to 1 / 0 / 1]
5-912-001	Manual Gap Adjustment	8pass	CTL	[0 to 1 / 0 / 1]
5-912-002	Manual Gap Adjustment	12pass	CTL	[0 to 1 / 0 / 1]
5-912-004	Manual Gap Adjustment	16pass	CTL	[0 to 1 / 0 / 1]
5-912-005	Manual Gap Adjustment	32pass	CTL	[0 to 1 / 0 / 1]
5-	Manual Gap Adjustment	12pass: W	CTL	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
912-007				
5-913-001	Auto Section Correction	8pass	CTL	[0 to 1 / 0 / 1]
5-913-002	Auto Section Correction	12pass	CTL	[0 to 1 / 0 / 1]
5-913-003	Auto Section Correction	H1Dfr:8pass	CTL	[0 to 1 / 0 / 1]
5-913-004	Auto Section Correction	H1Dfr:12pass	CTL	[0 to 1 / 0 / 1]
5-913-006	Auto Section Correction	12pass: W	CTL	[0 to 1 / 0 / 1]
5-913-007	Auto Section Correction	H1Dfr:12pass: W	CTL	[0 to 1 / 0 / 1]
5-914-001	ManualSectionCorr:8pass	H1DfH1Bf:8pass	CTL	[0 to 1 / 0 / 1]
5-914-002	ManualSectionCorr:8pass	H1DfH2Df:8pass	CTL	[0 to 1 / 0 / 1]
5-	ManualSectionCorr:8pass	H1DfH3Df:8pass	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
914-003				
5-914-004	ManualSectionCorr:8pass	H1DfH1Dr:8pass	CTL	[0 to 1 / 0 / 1]
5-914-005	ManualSectionCorr:8pass	H1DfH1Br:8pass	CTL	[0 to 1 / 0 / 1]
5-914-006	ManualSectionCorr:8pass	H2DfH2Bf:8pass	CTL	[0 to 1 / 0 / 1]
5-914-007	ManualSectionCorr:8pass	H2DfH2Dr:8pass	CTL	[0 to 1 / 0 / 1]
5-914-008	ManualSectionCorr:8pass	H2DfH2Br:8pass	CTL	[0 to 1 / 0 / 1]
5-914-009	ManualSectionCorr:8pass	H3DfH3Bf:8pass	CTL	[0 to 1 / 0 / 1]
5-914-010	ManualSectionCorr:8pass	H3DfH3Dr:8pass	CTL	[0 to 1 / 0 / 1]
5-914-011	ManualSectionCorr:8pass	H3DfH3Br:8pass	CTL	[0 to 1 / 0 / 1]
5-	ManualSectionCorr:12pass	H1DfH1Bf:12pass	CTL	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
915-001				
5-915-002	ManualSectionCorr:12pass	H1DfH2Df:12pass	CTL	[0 to 1 / 0 / 1]
5-915-003	ManualSectionCorr:12pass	H1DfH3Df:12pass	CTL	[0 to 1 / 0 / 1]
5-915-004	ManualSectionCorr:12pass	H1DfH1Dr:12pass	CTL	[0 to 1 / 0 / 1]
5-915-005	ManualSectionCorr:12pass	H1DfH1Br:12pass	CTL	[0 to 1 / 0 / 1]
5-915-006	ManualSectionCorr:12pass	H2DfH2Bf:12pass	CTL	[0 to 1 / 0 / 1]
5-915-007	ManualSectionCorr:12pass	H2DfH2Dr:12pass	CTL	[0 to 1 / 0 / 1]
5-915-008	ManualSectionCorr:12pass	H2DfH2Br:12pass	CTL	[0 to 1 / 0 / 1]
5-915-009	ManualSectionCorr:12pass	H3DfH3Bf:12pass	CTL	[0 to 1 / 0 / 1]
5-	ManualSectionCorr:12pass	H3DfH3Dr:12pass	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
915-010				
5-915-011	ManualSectionCorr:12pass	H3DfH3Br:12pass	CTL	[0 to 1 / 0 / 1]
5-917-001	ManualSectionCorr:16pass	H1DfH1Bf:16pass	CTL	[0 to 1 / 0 / 1]
5-917-002	ManualSectionCorr:16pass	H1DfH2Df:16pass	CTL	[0 to 1 / 0 / 1]
5-917-003	ManualSectionCorr:16pass	H1DfH3Df:16pass	CTL	[0 to 1 / 0 / 1]
5-917-004	ManualSectionCorr:16pass	H1DfH1Dr:16pass	CTL	[0 to 1 / 0 / 1]
5-917-005	ManualSectionCorr:16pass	H1DfH1Br:16pass	CTL	[0 to 1 / 0 / 1]
5-917-006	ManualSectionCorr:16pass	H2DfH2Bf:16pass	CTL	[0 to 1 / 0 / 1]
5-917-007	ManualSectionCorr:16pass	H2DfH2Dr:16pass	CTL	[0 to 1 / 0 / 1]
5-	ManualSectionCorr:16pass	H2DfH2Br:16pass	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
917-008				
5-917-009	ManualSectionCorr:16pass	H3DfH3Bf:16pass	CTL	[0 to 1 / 0 / 1]
5-917-010	ManualSectionCorr:16pass	H3DfH3Dr:16pass	CTL	[0 to 1 / 0 / 1]
5-917-011	ManualSectionCorr:16pass	H3DfH3Br:16pass	CTL	[0 to 1 / 0 / 1]
5-918-001	ManualSectionCorr:32pass	H1DfH1Bf:32pass	CTL	[0 to 1 / 0 / 1]
5-918-002	ManualSectionCorr:32pass	H1DfH2Df:32pass	CTL	[0 to 1 / 0 / 1]
5-918-003	ManualSectionCorr:32pass	H1DfH3Df:32pass	CTL	[0 to 1 / 0 / 1]
5-918-004	ManualSectionCorr:32pass	H1DfH1Dr:32pass	CTL	[0 to 1 / 0 / 1]
5-918-005	ManualSectionCorr:32pass	H1DfH1Br:32pass	CTL	[0 to 1 / 0 / 1]
5-	ManualSectionCorr:32pass	H2DfH2Bf:32pass	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
918-006				
5-918-007	ManualSectionCorr:32pass	H2DfH2Dr:32pass	CTL	[0 to 1 / 0 / 1]
5-918-008	ManualSectionCorr:32pass	H2DfH2Br:32pass	CTL	[0 to 1 / 0 / 1]
5-918-009	ManualSectionCorr:32pass	H3DfH3Bf:32pass	CTL	[0 to 1 / 0 / 1]
5-918-010	ManualSectionCorr:32pass	H3DfH3Dr:32pass	CTL	[0 to 1 / 0 / 1]
5-918-011	ManualSectionCorr:32pass	H3DfH3Br:32pass	CTL	[0 to 1 / 0 / 1]
5-920-001	ManualSectionCorr:12pass:W	H1DfH1Bf:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-002	ManualSectionCorr:12pass:W	H1DfH2Df:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-003	ManualSectionCorr:12pass:W	H1DfH3Df:12pass:W	CTL	[0 to 1 / 0 / 1]
5-	ManualSectionCorr:12pass:	H1DfH1Dr:12pass:W	CTL	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
920-004	W			
5-920-005	ManualSectionCorr:12pass:W	H1DfH1Br:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-006	ManualSectionCorr:12pass:W	H2DfH2Bf:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-007	ManualSectionCorr:12pass:W	H2DfH2Dr:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-008	ManualSectionCorr:12pass:W	H2DfH2Br:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-009	ManualSectionCorr:12pass:W	H3DfH3Bf:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-010	ManualSectionCorr:12pass:W	H3DfH3Dr:12pass:W	CTL	[0 to 1 / 0 / 1]
5-920-011	ManualSectionCorr:12pass:W	H3DfH3Br:12pass:W	CTL	[0 to 1 / 0 / 1]
5-921-001	Carriage Position Adjustment	Colorimetric Sensor Read Position	CTL	[0 to 1 / 0 / 1]
5-	Measuring Head Inclination	Absolute	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
922-001				
5-922-002	Measuring Head Inclination	Relative	CTL	[0 to 1 / 0 / 1]
5-922-003	Measuring Head Inclination	Measuring Sub Scan Deviation	CTL	[0 to 1 / 0 / 1]
5-922-004	Measuring Head Inclination	Manual:Absolute	CTL	[0 to 1 / 0 / 1]
5-922-005	Measuring Head Inclination	Manual:Measuring Sub Scan Deviation	CTL	[0 to 1 / 0 / 1]
5-923-001	Test Chart	Forward-Backward Feed Offset	CTL	[0 to 1 / 0 / 1]
5-923-002	Test Chart	Main Scan Printing Position Adjustment	CTL	[0 to 1 / 0 / 1]
5-923-003	Test Chart	2by2: 12pass	CTL	[0 to 1 / 0 / 1]
5-923-004	Test Chart	2by2: 6pass	CTL	[0 to 1 / 0 / 1]
5-	Test Chart	Sub Scan Adjustment: Base:	CTL	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
923-005		H1D		
5-923-006	Test Chart	Sub Scan Adjustment: Base: H1D BCD	CTL	[0 to 1 / 0 / 1]
5-923-007	Test Chart	Main Scan Adjustment	CTL	[0 to 1 / 0 / 1]
5-923-008	Test Chart	Grid Pattern	CTL	[0 to 1 / 0 / 1]
5-924-001	Sub Scan Position Adjustment	Transport Speed: Standard	CTL	[0 to 1 / 0 / 1]
5-924-002	Sub Scan Position Adjustment	Transport Speed: High	CTL	[0 to 1 / 0 / 1]
5-924-003	Sub Scan Position Adjustment	Transport Speed: Low	CTL	[0 to 1 / 0 / 1]
5-925-001	Auto Feed Adjustment	Roller	CTL	[0 to 1 / 0 / 1]
5-925-002	Auto Feed Adjustment	Transport Speed: Standard	CTL	[0 to 1 / 0 / 1]
5-	Auto Feed Adjustment	Transport Speed: High	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
925-003				
5-925-004	Auto Feed Adjustment	Transport Speed: Low	CTL	[0 to 1 / 0 / 1]
5-925-009	Auto Feed Adjustment	Forward/Backward Adjustment	CTL	[0 to 1 / 0 / 1]
5-931-001	Test Print: Nozzle Check	NozzleCheckWF1:W/O White	CTL	[0 to 1 / 0 / 1]
5-931-003	Test Print: Nozzle Check	NozzleCheckWF1:Factory:W/O White	CTL	[0 to 1 / 0 / 1]
5-931-004	Test Print: Nozzle Check	NozzleCheckWF2:Factory:W/O White	CTL	[0 to 1 / 0 / 1]
5-932-001	Test Print: Head Joint	Head Joint Correction Pattern	CTL	[0 to 1 / 0 / 1]
5-933-002	Test Print: Feed Joint	Feed Joint Correction Pattern	CTL	[0 to 1 / 0 / 1]
5-934-001	Test Print: Arrival	Arrival Chart (Fast Draft)	CTL	[0 to 1 / 0 / 1]
5-	Test Print: Discharge State	Confirmation Chart (WF1	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
935-001		Large Drops)		
5-935-002	Test Print: Discharge State	Confirmation Chart (WF1 Middle Drops)	CTL	[0 to 1 / 0 / 1]
5-935-003	Test Print: Discharge State	Confirmation Chart (WF1 Small Drops)	CTL	[0 to 1 / 0 / 1]
5-935-004	Test Print: Discharge State	Confirmation Chart (WF2 Large Drops)	CTL	[0 to 1 / 0 / 1]
5-935-005	Test Print: Discharge State	Confirmation Chart (WF2 Middle Drops)	CTL	[0 to 1 / 0 / 1]
5-935-006	Test Print: Discharge State	Confirmation Chart (WF2 Small Drops)	CTL	[0 to 1 / 0 / 1]
5-936-001	Test Print: Density Adjustment	Density Adjustment WF1 (Large Drops)	CTL	[0 to 1 / 0 / 1]
5-936-002	Test Print: Density Adjustment	Density Adjustment WF1 (Middle Drops)	CTL	[0 to 1 / 0 / 1]
5-936-003	Test Print: Density Adjustment	Density Adjustment WF1 (Small Drops)	CTL	[0 to 1 / 0 / 1]
5-	Test Print: Density	Density Adjustment WF2	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
936-004	Adjustment	(Large Drops)		
5-936-005	Test Print: Density Adjustment	Density Adjustment WF2 (Middle Drops)	CTL	[0 to 1 / 0 / 1]
5-936-006	Test Print: Density Adjustment	Density Adjustment WF2 (Small Drops)	CTL	[0 to 1 / 0 / 1]
5-937-001	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H1 Large Drops	CTL	[0 to 1 / 0 / 1]
5-937-002	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H1 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-937-003	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H1 Small Drops	CTL	[0 to 1 / 0 / 1]
5-937-004	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H2 Large Drops	CTL	[0 to 1 / 0 / 1]
5-937-005	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H2 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-937-006	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H2 Small Drops	CTL	[0 to 1 / 0 / 1]
5-	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H3	CTL	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
937-007		Large Drops		
5-937-008	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H3 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-937-009	Test Print: Crosstalk Correct	Crosstalk Correct WF1 H3 Small Drops	CTL	[0 to 1 / 0 / 1]
5-937-010	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H1 Large Drops	CTL	[0 to 1 / 0 / 1]
5-937-011	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H1 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-937-012	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H1 Small Drops	CTL	[0 to 1 / 0 / 1]
5-937-013	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H2 Large Drops	CTL	[0 to 1 / 0 / 1]
5-937-014	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H2 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-937-015	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H2 Small Drops	CTL	[0 to 1 / 0 / 1]
5-	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H3	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
937-016		Large Drops		
5-937-017	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H3 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-937-018	Test Print: Crosstalk Correct	Crosstalk Correct WF2 H3 Small Drops	CTL	[0 to 1 / 0 / 1]
5-938-001	Auto Joint Setting	Select Head Joint Pattern	CTL	[0 to 1 / 0 / 1]
5-938-002	Auto Joint Setting	Select Feed Joint Pattern	CTL	[0 to 1 / 0 / 1]
5-939-001	Clogged Nozzle Setting	Clogged Nozzle Auto Detection	CTL	[0 to 1 / 0 / 1]
5-940-001	Auto Density Adjustment	WF1 Large Drops	CTL	[0 to 1 / 0 / 1]
5-940-002	Auto Density Adjustment	WF1 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-940-003	Auto Density Adjustment	WF1 Small Drops	CTL	[0 to 1 / 0 / 1]
5-	Auto Density Adjustment	WF2 Large Drops	CTL	[0 to 1 / 0 / 1]

2.SP Mode Tables

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
940-004				
5-940-005	Auto Density Adjustment	WF2 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-940-006	Auto Density Adjustment	WF2 Small Drops	CTL	[0 to 1 / 0 / 1]
5-941-001	Crosstalk Auto Correct	WF1 H1 Large Drops	CTL	[0 to 1 / 0 / 1]
5-941-002	Crosstalk Auto Correct	WF1 H1 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-941-003	Crosstalk Auto Correct	WF1 H1 Small Drops	CTL	[0 to 1 / 0 / 1]
5-941-004	Crosstalk Auto Correct	WF1 H2 Large Drops	CTL	[0 to 1 / 0 / 1]
5-941-005	Crosstalk Auto Correct	WF1 H2 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-941-006	Crosstalk Auto Correct	WF1 H2 Small Drops	CTL	[0 to 1 / 0 / 1]
5-	Crosstalk Auto Correct	WF1 H3 Large Drops	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
941-007				
5-941-008	Crosstalk Auto Correct	WF1 H3 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-941-009	Crosstalk Auto Correct	WF1 H3 Small Drops	CTL	[0 to 1 / 0 / 1]
5-941-010	Crosstalk Auto Correct	WF2 H1 Large Drops	CTL	[0 to 1 / 0 / 1]
5-941-011	Crosstalk Auto Correct	WF2 H1 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-941-012	Crosstalk Auto Correct	WF2 H1 Small Drops	CTL	[0 to 1 / 0 / 1]
5-941-013	Crosstalk Auto Correct	WF2 H2 Large Drops	CTL	[0 to 1 / 0 / 1]
5-941-014	Crosstalk Auto Correct	WF2 H2 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-941-015	Crosstalk Auto Correct	WF2 H2 Small Drops	CTL	[0 to 1 / 0 / 1]
5-	Crosstalk Auto Correct	WF2 H3 Large Drops	CTL	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
941-016				
5-941-017	Crosstalk Auto Correct	WF2 H3 Middle Drops	CTL	[0 to 1 / 0 / 1]
5-941-018	Crosstalk Auto Correct	WF2 H3 Small Drops	CTL	[0 to 1 / 0 / 1]
5-992-001	SP Text Mode	All (Data List)	CTL	[0 to 255 / 0 / 0]
5-992-002	SP Text Mode	SP (Mode Data List)	CTL	[0 to 255 / 0 / 0]
5-992-003	SP Text Mode	User Program	CTL	[0 to 255 / 0 / 0]
5-992-004	SP Text Mode	Logging Data	CTL	[0 to 255 / 0 / 0]
5-992-005	SP Text Mode	Diagnostic Report	CTL	[0 to 255 / 0 / 0]

Main SP Tables-6

SP6-XXX

There are no group of service program mode 6-XXX for this machine.

Main SP Tables-7 (Engine)

SP7-001 to SP7-991

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-001-001	Operating Period Indication	Main Scan Motor	ENG*	[0 to 0xFFFFFFFF / 0 / 1m]
7-001-003	Operating Period Indication	Sub Scan Motor	ENG	[0 to 9999999 / 0 / 1m]
7-001-004	Operating Period Indication	Paper Feed Motor	ENG	[0 to 9999999 / 0 / 1m]
7-001-005	Operating Period Indication	Paper Output Motor	ENG	[0 to 9999999 / 0 / 1m]
7-001-008	Operating Period Indication	Head Rising Motor	ENG*	[0 to 0xFFFFFFFF / 0 / 1m]
7-001-011	Operating Period Indication	Supply Unit Pump Motor 1	ENG*	[0 to 9999999 / 0 / 1M]
7-001-012	Operating Period Indication	Supply Unit Pump Motor 2	ENG*	[0 to 9999999 / 0 / 1M]
7-001-013	Operating Period Indication	Supply Unit Pump Motor 3	ENG*	[0 to 9999999 / 0 / 1M]
7-001-014	Operating Period Indication	Supply Unit Pump Motor 4	ENG*	[0 to 9999999 / 0 / 1M]
7-001-015	Operating Period Indication	Supply Unit Pump Motor 5	ENG*	[0 to 9999999 / 0 / 1M]
7-001-016	Operating Period Indication	Supply Unit Pump Motor 6	ENG*	[0 to 9999999 / 0 / 1M]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-001-017	Operating Period Indication	Supply Unit Pump Motor 7	ENG*	[0 to 9999999 / 0 / 1M]
7-001-018	Operating Period Indication	Supply Unit Pump Motor 8	ENG*	[0 to 9999999 / 0 / 1M]
7-001-019	Operating Period Indication	Supply Unit Pump Motor 9	ENG*	[0 to 9999999 / 0 / 1M]
7-001-020	Operating Period Indication	Supply Unit Pump Motor 10	ENG*	[0 to 9999999 / 0 / 1M]
7-001-021	Operating Period Indication	Supply Unit Pump Motor 11	ENG*	[0 to 9999999 / 0 / 1M]
7-001-022	Operating Period Indication	Supply Unit Pump Motor 12	ENG*	[0 to 9999999 / 0 / 1M]
7-001-023	Operating Period Indication	Cleaning Pump Motor 1	ENG*	[0 to 9999999 / 0 / 1M]
7-002-001	GJ Total Count	Print Length	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-011	GJ Total Count	Print Length (4C 6pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-012	GJ Total Count	Print Length (4C 8pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-013	GJ Total Count	Print Length (4C 12pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-015	GJ Total Count	Print Length (4C 16pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-002-016	GJ Total Count	Print Length (4C 32pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-031	GJ Total Count	Print Length (4CW 6pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-032	GJ Total Count	Print Length (4CW 8pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-033	GJ Total Count	Print Length (4CW 12pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-035	GJ Total Count	Print Length (4CW 16pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-002-036	GJ Total Count	Print Length (4CW 32pass)	ENG	[0 to 429496729.5 / 0 / 0.1m]
7-212-011	User Cleaning	Count H1	ENG	[0 to 999999 / 0 / 1]
7-212-012	User Cleaning	Count H2	ENG	[0 to 999999 / 0 / 1]
7-212-013	User Cleaning	Count H3	ENG	[0 to 999999 / 0 / 1]
7-213-011	User Refreshing	Count H1	ENG	[0 to 999999 / 0 / 1]
7-213-012	User Refreshing	Count H2	ENG	[0 to 999999 / 0 / 1]
7-213-013	User Refreshing	Count H3	ENG	[0 to 999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-214-001	Front Cover Open	Recovery Cleaning Count H1	ENG	[0 to 999999 / 0 / 1]
7-214-002	Front Cover Open	Recovery Cleaning Count H2	ENG	[0 to 999999 / 0 / 1]
7-214-003	Front Cover Open	Recovery Cleaning Count H3	ENG	[0 to 999999 / 0 / 1]
7-214-006	Front Cover Open	Open Count During Maintenance	ENG	[0 to 65535 / 0 / 1]
7-217-001	Cleaning duringStandby	Count H1	ENG	[0 to 99999 / 0 / 1]
7-217-002	Cleaning duringStandby	Count H2	ENG	[0 to 99999 / 0 / 1]
7-217-003	Cleaning duringStandby	Count H3	ENG	[0 to 99999 / 0 / 1]
7-223-001	Cleaning Total	Count H1	ENG	[0 to 999999 / 0 / 1]
7-223-002	Cleaning Total	Count H2	ENG	[0 to 999999 / 0 / 1]
7-223-003	Cleaning Total	Count H3	ENG	[0 to 999999 / 0 / 1]
7-224-001	Refreshing Total	Count H1	ENG	[0 to 999999 / 0 / 1]
7-224-002	Refreshing Total	Count H2	ENG	[0 to 999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-224-003	Refreshing Total	Count H3	ENG	[0 to 999999 / 0 / 1]
7-229-001	Automatic Cleaning	Count H1: Nozzle Surface Cleaning	ENG	[0 to 999999 / 0 / 1]
7-229-002	Automatic Cleaning	Count H2: Nozzle Surface Cleaning	ENG	[0 to 999999 / 0 / 1]
7-229-003	Automatic Cleaning	Count H3: Nozzle Surface Cleaning	ENG	[0 to 999999 / 0 / 1]
7-230-001	Automatic Cleaning	Count H1: Cleaning	ENG	[0 to 65535 / 0 / 1]
7-230-002	Automatic Cleaning	Count H2: Cleaning	ENG	[0 to 65535 / 0 / 1]
7-230-003	Automatic Cleaning	Count H3: Cleaning	ENG	[0 to 65535 / 0 / 1]
7-231-001	Automatic Cleaning	Count H1: Refreshing	ENG	[0 to 65535 / 0 / 1]
7-231-002	Automatic Cleaning	Count H2: Refreshing	ENG	[0 to 65535 / 0 / 1]
7-231-003	Automatic Cleaning	Count H3: Refreshing	ENG	[0 to 65535 / 0 / 1]
7-703-001	Accumulated Decapping Time	H1: Nozzle Surface Cleaning	ENG	[0 to 65535 / 0 / 1sec]
7-703-002	Accumulated Decapping Time	H2: Nozzle Surface Cleaning	ENG	[0 to 65535 / 0 / 1sec]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-703-003	Accumulated Decapping Time	H3: Nozzle Surface Cleaning	ENG	[0 to 65535 / 0 / 1sec]
7-703-004	Accumulated Decapping Time	H1: Cleaning	ENG	[0 to 65535 / 0 / 1sec]
7-703-005	Accumulated Decapping Time	H2: Cleaning	ENG	[0 to 65535 / 0 / 1sec]
7-703-006	Accumulated Decapping Time	H3: Cleaning	ENG	[0 to 65535 / 0 / 1sec]
7-703-007	Accumulated Decapping Time	H1: Refreshing	ENG	[0 to 65535 / 0 / 1sec]
7-703-008	Accumulated Decapping Time	H2: Refreshing	ENG	[0 to 65535 / 0 / 1sec]
7-703-009	Accumulated Decapping Time	H3: Refreshing	ENG	[0 to 65535 / 0 / 1sec]
7-712-001	Web End	Occurrence Count	ENG*	[0 to 1000 / 0 / 1]
7-713-001	Cartridge Empty	Occurrence Count: K	ENG*	[0 to 1000 / 0 / 1]
7-713-002	Cartridge Empty	Occurrence Count: C	ENG*	[0 to 1000 / 0 / 1]
7-713-003	Cartridge Empty	Occurrence Count: M	ENG*	[0 to 1000 / 0 / 1]
7-713-004	Cartridge Empty	Occurrence Count: Y	ENG*	[0 to 1000 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-713-007	Cartridge Empty	Occurrence Count: Wh	ENG*	[0 to 1000 / 0 / 1]
7-713-010	Cartridge Empty	Occurrence Count: Cleaning Liquid	ENG*	[0 to 1000 / 0 / 1]
7-713-011	Cartridge Empty	Occurrence Count: Displacement Liquid	ENG*	[0 to 1000 / 0 / 1]
7-720-001	Cartridge Set	Detect Times: Cartridge 1	ENG*	[0 to 999999 / 0 / 1]
7-720-002	Cartridge Set	Detect Times: Cartridge 2	ENG*	[0 to 999999 / 0 / 1]
7-720-003	Cartridge Set	Detect Times: Cartridge 3	ENG*	[0 to 999999 / 0 / 1]
7-720-004	Cartridge Set	Detect Times: Cartridge 4	ENG*	[0 to 999999 / 0 / 1]
7-720-005	Cartridge Set	Detect Times: Cartridge 5	ENG*	[0 to 999999 / 0 / 1]
7-720-006	Cartridge Set	Detect Times: Cartridge 6	ENG*	[0 to 999999 / 0 / 1]
7-720-007	Cartridge Set	Detect Times: Cartridge 7	ENG*	[0 to 999999 / 0 / 1]
7-720-008	Cartridge Set	Detect Times: Cartridge 8	ENG*	[0 to 999999 / 0 / 1]
7-720-009	Cartridge Set	Detect Times: Cleaning Liquid	ENG*	[0 to 999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-721-001	Ink Refreshing	Count H1	ENG	[0 to 999999 / 0 / 1]
7-721-002	Ink Refreshing	Count H2	ENG	[0 to 999999 / 0 / 1]
7-721-003	Ink Refreshing	Count H3	ENG	[0 to 999999 / 0 / 1]
7-722-001	Ink Refreshing duringStandby	Count H1	ENG	[0 to 999999 / 0 / 1]
7-722-002	Ink Refreshing duringStandby	Count H2	ENG	[0 to 999999 / 0 / 1]
7-722-003	Ink Refreshing duringStandby	Count H3	ENG	[0 to 999999 / 0 / 1]
7-726-001	Flushing duringStandby	Count/ Cartridge 1	ENG	[0 to 999999 / 0 / 1]
7-726-002	Flushing duringStandby	Count/ Cartridge 2	ENG	[0 to 999999 / 0 / 1]
7-726-003	Flushing duringStandby	Count/ Cartridge 3	ENG	[0 to 999999 / 0 / 1]
7-761-001	AutoSensingCnt.ofCloggedNozzle	/H1 (head replacement)	ENG	[0 to 999999 / 0 / 1]
7-761-002	AutoSensingCnt.ofCloggedNozzle	/H2 (head replacement)	ENG	[0 to 999999 / 0 / 1]
7-761-003	AutoSensingCnt.ofCloggedNozzle	/H3 (head replacement)	ENG	[0 to 999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-761-008	AutoSensingCnt.ofCloggedNozzle	Sequence Count (head replacement)	ENG	[0 to 999999 / 0 / 1]
7-761-009	AutoSensingCnt.ofCloggedNozzle	Error Count (head replacement)	ENG	[0 to 999999 / 0 / 1]
7-770-001	Negative Pressure Recovery	Pressure/Humidity Fractuation Count H1	ENG	[0 to 999999 / 0 / 1]
7-770-002	Negative Pressure Recovery	Pressure/Humidity Fractuation Count H2	ENG	[0 to 999999 / 0 / 1]
7-770-003	Negative Pressure Recovery	Pressure/Humidity Fractuation Count H3	ENG	[0 to 999999 / 0 / 1]
7-783-001	Carriage Evacuation Operation	Carriage Evacuated Count	ENG	[0 to 99999999 / 0 / 1]
7-784-001	Air Purge	Count H1	ENG	[0 to 99999999 / 0 / 1]
7-784-002	Air Purge	Count H2	ENG	[0 to 99999999 / 0 / 1]
7-784-003	Air Purge	Count H3	ENG	[0 to 99999999 / 0 / 1]
7-785-001	Nozzle Cleaning	Count H1	ENG	[0 to 99999999 / 0 / 1]
7-785-002	Nozzle Cleaning	Count H2	ENG	[0 to 99999999 / 0 / 1]
7-785-003	Nozzle Cleaning	Count H3	ENG	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-787-001	Waste Ink Path Cleaning	Count	ENG	[0 to 99999999 / 0 / 1]
7-788-001	Ink Displacement	Count	ENG	[0 to 99999999 / 0 / 1]
7-789-001	User Ink Circulation	Count	ENG	[0 to 99999999 / 0 / 1]
7-790-001	Ink Circulation duringStandby	Count	ENG	[0 to 99999999 / 0 / 1]
7-791-001	Ink Suction Sequence	Count H1	ENG	[0 to 99999999 / 0 / 1]
7-791-002	Ink Suction Sequence	Count H2	ENG	[0 to 99999999 / 0 / 1]
7-791-003	Ink Suction Sequence	Count H3	ENG	[0 to 99999999 / 0 / 1]
7-793-001	Filling Liquid Extraction 1	Count H1	ENG	[0 to 99999999 / 0 / 1]
7-793-002	Filling Liquid Extraction 1	Count H2	ENG	[0 to 99999999 / 0 / 1]
7-793-003	Filling Liquid Extraction 1	Count H3	ENG	[0 to 99999999 / 0 / 1]
7-794-001	Ink Filling	Count H1	ENG	[0 to 99999999 / 0 / 1]
7-794-002	Ink Filling	Count H2	ENG	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-794-003	Ink Filling	Count H3	ENG	[0 to 99999999 / 0 / 1]
7-795-001	Cleaning Liquid Filling	Count	ENG	[0 to 99999999 / 0 / 1]
7-801-002	ROM Part Number	Engine	ENG	[0 to 0 / 0 / 0]
7-801-022	ROM Part Number	FROM	ENG	[0 to 0 / 0 / 0]
7-801-102	ROM Version	Engine	ENG	[0 to 0 / 0 / 0]
7-801-122	ROM Version	FROM	ENG	[0 to 0 / 0 / 0]
7-802-001	Yatsuhashi Version	GAU	ENG	[0 to 0xFFFF / 0 / 1]
7-853-001	Cartridge Replacement	Count Cartridge 1	ENG*	[0 to 1000 / 0 / 1]
7-853-002	Cartridge Replacement	Count Cartridge 2	ENG*	[0 to 1000 / 0 / 1]
7-853-003	Cartridge Replacement	Count Cartridge 3	ENG*	[0 to 1000 / 0 / 1]
7-853-004	Cartridge Replacement	Count Cartridge 4	ENG*	[0 to 1000 / 0 / 1]
7-853-005	Cartridge Replacement	Count Cartridge 5	ENG*	[0 to 1000 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-853-006	Cartridge Replacement	Count Cartridge 6	ENG*	[0 to 1000 / 0 / 1]
7-853-007	Cartridge Replacement	Count Cartridge 7	ENG*	[0 to 1000 / 0 / 1]
7-853-008	Cartridge Replacement	Count Cartridge 8	ENG*	[0 to 1000 / 0 / 1]
7-853-009	Cartridge Replacement	Count Cleaning Liquid	ENG*	[0 to 1000 / 0 / 1]
7-901-001	Cartridge (Cleaning Liquid)	Model ID	ENG*	[0 to 255 / 0 / 1]
7-901-002	Cartridge (Cleaning Liquid)	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-901-003	Cartridge (Cleaning Liquid)	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-901-004	Cartridge (Cleaning Liquid)	Area ID	ENG*	[0 to 255 / 0 / 1]
7-901-005	Cartridge (Cleaning Liquid)	Type ID	ENG*	[0 to 255 / 0 / 1]
7-901-006	Cartridge (Cleaning Liquid)	Color ID	ENG*	[0 to 255 / 0 / 1]
7-901-007	Cartridge (Cleaning Liquid)	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-901-008	Cartridge (Cleaning Liquid)	Brand New Information	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-901-009	Cartridge (Cleaning Liquid)	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-901-010	Cartridge (Cleaning Liquid)	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-901-011	Cartridge (Cleaning Liquid)	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-901-012	Cartridge (Cleaning Liquid)	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-901-013	Cartridge (Cleaning Liquid)	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-901-014	Cartridge (Cleaning Liquid)	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-901-015	Cartridge (Cleaning Liquid)	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-901-020	Cartridge (Cleaning Liquid)	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-901-021	Cartridge (Cleaning Liquid)	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-901-022	Cartridge (Cleaning Liquid)	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-901-023	Cartridge (Cleaning Liquid)	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-901-027	Cartridge (Cleaning Liquid)	Ink Capacity	ENG*	[0 to 655.35 / 0 / 0.01ml]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-902-001	Cartridge 1	Model ID	ENG*	[0 to 255 / 0 / 1]
7-902-002	Cartridge 1	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-902-003	Cartridge 1	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-902-004	Cartridge 1	Area ID	ENG*	[0 to 255 / 0 / 1]
7-902-005	Cartridge 1	Type ID	ENG*	[0 to 255 / 0 / 1]
7-902-006	Cartridge 1	Color ID	ENG*	[0 to 255 / 0 / 1]
7-902-007	Cartridge 1	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-902-008	Cartridge 1	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-902-009	Cartridge 1	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-902-010	Cartridge 1	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-902-011	Cartridge 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-902-012	Cartridge 1	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-902-013	Cartridge 1	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-902-014	Cartridge 1	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-902-015	Cartridge 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-902-016	Cartridge 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-902-018	Cartridge 1	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-902-020	Cartridge 1	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-902-021	Cartridge 1	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-902-022	Cartridge 1	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-902-023	Cartridge 1	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-902-027	Cartridge 1	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-903-001	Cartridge 2	Model ID	ENG*	[0 to 255 / 0 / 1]
7-903-002	Cartridge 2	Cartridge Version	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-903-003	Cartridge 2	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-903-004	Cartridge 2	Area ID	ENG*	[0 to 255 / 0 / 1]
7-903-005	Cartridge 2	Type ID	ENG*	[0 to 255 / 0 / 1]
7-903-006	Cartridge 2	Color ID	ENG*	[0 to 255 / 0 / 1]
7-903-007	Cartridge 2	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-903-008	Cartridge 2	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-903-009	Cartridge 2	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-903-010	Cartridge 2	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-903-011	Cartridge 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-903-012	Cartridge 2	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-903-013	Cartridge 2	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-903-014	Cartridge 2	Empty Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-903-015	Cartridge 2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-903-016	Cartridge 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-903-018	Cartridge 2	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-903-020	Cartridge 2	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-903-021	Cartridge 2	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-903-022	Cartridge 2	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-903-023	Cartridge 2	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-903-027	Cartridge 2	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-904-001	Cartridge 3	Model ID	ENG*	[0 to 255 / 0 / 1]
7-904-002	Cartridge 3	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-904-003	Cartridge 3	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-904-004	Cartridge 3	Area ID	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-904-005	Cartridge 3	Type ID	ENG*	[0 to 255 / 0 / 1]
7-904-006	Cartridge 3	Color ID	ENG*	[0 to 255 / 0 / 1]
7-904-007	Cartridge 3	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-904-008	Cartridge 3	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-904-009	Cartridge 3	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-904-010	Cartridge 3	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-904-011	Cartridge 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-904-012	Cartridge 3	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-904-013	Cartridge 3	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-904-014	Cartridge 3	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-904-015	Cartridge 3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-904-016	Cartridge 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-904-018	Cartridge 3	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-904-020	Cartridge 3	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-904-021	Cartridge 3	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-904-022	Cartridge 3	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-904-023	Cartridge 3	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-904-027	Cartridge 3	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-905-001	Cartridge 4	Model ID	ENG*	[0 to 255 / 0 / 1]
7-905-002	Cartridge 4	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-905-003	Cartridge 4	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-905-004	Cartridge 4	Area ID	ENG*	[0 to 255 / 0 / 1]
7-905-005	Cartridge 4	Type ID	ENG*	[0 to 255 / 0 / 1]
7-905-006	Cartridge 4	Color ID	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-905-007	Cartridge 4	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-905-008	Cartridge 4	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-905-009	Cartridge 4	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-905-010	Cartridge 4	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-905-011	Cartridge 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-905-012	Cartridge 4	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-905-013	Cartridge 4	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-905-014	Cartridge 4	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-905-015	Cartridge 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-905-016	Cartridge 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-905-018	Cartridge 4	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-905-020	Cartridge 4	Fitted Date	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-905-021	Cartridge 4	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-905-022	Cartridge 4	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-905-023	Cartridge 4	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-905-027	Cartridge 4	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-906-001	Cartridge 1: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-906-002	Cartridge 1: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-906-003	Cartridge 1: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-906-004	Cartridge 1: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-906-005	Cartridge 1: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-906-006	Cartridge 1: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-906-007	Cartridge 1: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-906-008	Cartridge 1: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-906-009	Cartridge 1: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-906-010	Cartridge 1: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-906-011	Cartridge 1: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-906-012	Cartridge 1: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-906-013	Cartridge 1: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-906-014	Cartridge 1: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-906-015	Cartridge 1: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-906-016	Cartridge 1: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-906-017	Cartridge 1: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-906-018	Cartridge 1: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-906-019	Cartridge 1: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-906-020	Cartridge 1: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-907-001	Cartridge 2: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-907-002	Cartridge 2: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-907-003	Cartridge 2: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-907-004	Cartridge 2: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-907-005	Cartridge 2: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-907-006	Cartridge 2: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-907-007	Cartridge 2: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-907-008	Cartridge 2: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-907-009	Cartridge 2: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-907-010	Cartridge 2: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-907-011	Cartridge 2: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-907-012	Cartridge 2: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-907-013	Cartridge 2: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-907-014	Cartridge 2: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-907-015	Cartridge 2: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-907-016	Cartridge 2: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-907-017	Cartridge 2: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-907-018	Cartridge 2: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-907-019	Cartridge 2: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-907-020	Cartridge 2: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-908-001	Cartridge 3: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-908-002	Cartridge 3: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-908-003	Cartridge 3: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-908-004	Cartridge 3: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-908-005	Cartridge 3: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-908-006	Cartridge 3: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-908-007	Cartridge 3: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-908-008	Cartridge 3: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-908-009	Cartridge 3: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-908-010	Cartridge 3: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-908-011	Cartridge 3: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-908-012	Cartridge 3: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-908-013	Cartridge 3: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-908-014	Cartridge 3: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-908-015	Cartridge 3: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-908-016	Cartridge 3: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-908-017	Cartridge 3: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-908-018	Cartridge 3: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-908-019	Cartridge 3: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-908-020	Cartridge 3: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-909-001	Cartridge 4: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-909-002	Cartridge 4: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-909-003	Cartridge 4: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-909-004	Cartridge 4: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-909-005	Cartridge 4: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-909-006	Cartridge 4: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-909-007	Cartridge 4: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-909-008	Cartridge 4: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-909-009	Cartridge 4: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-909-010	Cartridge 4: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-909-011	Cartridge 4: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-909-012	Cartridge 4: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-909-013	Cartridge 4: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-909-014	Cartridge 4: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-909-015	Cartridge 4: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-909-016	Cartridge 4: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-909-017	Cartridge 4: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-909-018	Cartridge 4: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-909-019	Cartridge 4: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-909-020	Cartridge 4: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-914-001	Cartridge 5: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-914-002	Cartridge 5: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-914-003	Cartridge 5: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-914-004	Cartridge 5: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-914-005	Cartridge 5: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-914-006	Cartridge 5: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-914-007	Cartridge 5: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-914-008	Cartridge 5: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-914-009	Cartridge 5: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-914-010	Cartridge 5: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-914-011	Cartridge 5: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-914-012	Cartridge 5: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-914-013	Cartridge 5: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-914-014	Cartridge 5: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-914-015	Cartridge 5: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-914-016	Cartridge 5: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-914-017	Cartridge 5: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-914-018	Cartridge 5: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-914-019	Cartridge 5: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-914-020	Cartridge 5: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-915-001	Cartridge 6: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-915-002	Cartridge 6: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-915-003	Cartridge 6: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-915-004	Cartridge 6: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-915-005	Cartridge 6: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-915-006	Cartridge 6: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-915-007	Cartridge 6: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-915-008	Cartridge 6: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-915-009	Cartridge 6: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-915-010	Cartridge 6: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-915-011	Cartridge 6: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-915-012	Cartridge 6: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-915-013	Cartridge 6: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-915-014	Cartridge 6: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-915-015	Cartridge 6: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-915-016	Cartridge 6: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-915-017	Cartridge 6: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-915-018	Cartridge 6: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-915-019	Cartridge 6: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-915-020	Cartridge 6: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-916-001	Cartridge 7: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-916-002	Cartridge 7: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-916-003	Cartridge 7: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-916-004	Cartridge 7: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-916-005	Cartridge 7: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-916-006	Cartridge 7: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-916-007	Cartridge 7: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-916-008	Cartridge 7: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-916-009	Cartridge 7: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-916-010	Cartridge 7: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-916-011	Cartridge 7: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-916-012	Cartridge 7: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-916-013	Cartridge 7: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-916-014	Cartridge 7: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-916-015	Cartridge 7: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-916-016	Cartridge 7: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-916-017	Cartridge 7: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-916-018	Cartridge 7: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-916-019	Cartridge 7: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-916-020	Cartridge 7: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-917-001	Cartridge 8: Log 1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-917-002	Cartridge 8: Log 1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-917-003	Cartridge 8: Log 1	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-917-004	Cartridge 8: Log 1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-917-005	Cartridge 8: Log 2	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-917-006	Cartridge 8: Log 2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-917-007	Cartridge 8: Log 2	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-917-008	Cartridge 8: Log 2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-917-009	Cartridge 8: Log 3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-917-010	Cartridge 8: Log 3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-917-011	Cartridge 8: Log 3	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-917-012	Cartridge 8: Log 3	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-917-013	Cartridge 8: Log 4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-917-014	Cartridge 8: Log 4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-917-015	Cartridge 8: Log 4	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-917-016	Cartridge 8: Log 4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-917-017	Cartridge 8: Log 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-917-018	Cartridge 8: Log 5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-917-019	Cartridge 8: Log 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-917-020	Cartridge 8: Log 5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-924-001	Cartridge (CleaningLiq.): Log1	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-924-002	Cartridge (CleaningLiq.): Log1	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-924-004	Cartridge (CleaningLiq.): Log1	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-924-005	Cartridge (CleaningLiq.): Log2	Serial No.	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-924-006	Cartridge (CleaningLiq.): Log2	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-924-008	Cartridge (CleaningLiq.): Log2	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-924-009	Cartridge (CleaningLiq.): Log3	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-924-010	Cartridge (CleaningLiq.): Log3	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-924-012	Cartridge (CleaningLiq.): Log3	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-924-013	Cartridge (CleaningLiq.): Log4	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-924-014	Cartridge (CleaningLiq.): Log4	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-924-016	Cartridge (CleaningLiq.): Log4	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-924-017	Cartridge (CleaningLiq.): Log5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-924-018	Cartridge (CleaningLiq.): Log5	Fitted Date & Time	ENG*	[0 to 1 / 0 / 1]
7-924-020	Cartridge (CleaningLiq.): Log5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-929-001	Cartridge 5	Model ID	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-929-002	Cartridge 5	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-929-003	Cartridge 5	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-929-004	Cartridge 5	Area ID	ENG*	[0 to 255 / 0 / 1]
7-929-005	Cartridge 5	Type ID	ENG*	[0 to 255 / 0 / 1]
7-929-006	Cartridge 5	Color ID	ENG*	[0 to 255 / 0 / 1]
7-929-007	Cartridge 5	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-929-008	Cartridge 5	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-929-009	Cartridge 5	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-929-010	Cartridge 5	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-929-011	Cartridge 5	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-929-012	Cartridge 5	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-929-013	Cartridge 5	EDP Code	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-929-014	Cartridge 5	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-929-015	Cartridge 5	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-929-016	Cartridge 5	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-929-018	Cartridge 5	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-929-020	Cartridge 5	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-929-021	Cartridge 5	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-929-022	Cartridge 5	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-929-023	Cartridge 5	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-929-027	Cartridge 5	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-930-001	Cartridge 6	Model ID	ENG*	[0 to 255 / 0 / 1]
7-930-002	Cartridge 6	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-930-003	Cartridge 6	Brand Name ID	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-930-004	Cartridge 6	Area ID	ENG*	[0 to 255 / 0 / 1]
7-930-005	Cartridge 6	Type ID	ENG*	[0 to 255 / 0 / 1]
7-930-006	Cartridge 6	Color ID	ENG*	[0 to 255 / 0 / 1]
7-930-007	Cartridge 6	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-930-008	Cartridge 6	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-930-009	Cartridge 6	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-930-010	Cartridge 6	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-930-011	Cartridge 6	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-930-012	Cartridge 6	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-930-013	Cartridge 6	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-930-014	Cartridge 6	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-930-015	Cartridge 6	Refill Log	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-930-016	Cartridge 6	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-930-018	Cartridge 6	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-930-020	Cartridge 6	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-930-021	Cartridge 6	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-930-022	Cartridge 6	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-930-023	Cartridge 6	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-930-027	Cartridge 6	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-931-001	Cartridge 7	Model ID	ENG*	[0 to 255 / 0 / 1]
7-931-002	Cartridge 7	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-931-003	Cartridge 7	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-931-004	Cartridge 7	Area ID	ENG*	[0 to 255 / 0 / 1]
7-931-005	Cartridge 7	Type ID	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-931-006	Cartridge 7	Color ID	ENG*	[0 to 255 / 0 / 1]
7-931-007	Cartridge 7	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-931-008	Cartridge 7	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-931-009	Cartridge 7	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-931-010	Cartridge 7	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-931-011	Cartridge 7	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-931-012	Cartridge 7	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-931-013	Cartridge 7	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-931-014	Cartridge 7	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-931-015	Cartridge 7	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-931-016	Cartridge 7	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-931-018	Cartridge 7	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-931-020	Cartridge 7	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-931-021	Cartridge 7	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-931-022	Cartridge 7	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-931-023	Cartridge 7	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-931-027	Cartridge 7	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-932-001	Cartridge 8	Model ID	ENG*	[0 to 255 / 0 / 1]
7-932-002	Cartridge 8	Cartridge Version	ENG*	[0 to 255 / 0 / 1]
7-932-003	Cartridge 8	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-932-004	Cartridge 8	Area ID	ENG*	[0 to 255 / 0 / 1]
7-932-005	Cartridge 8	Type ID	ENG*	[0 to 255 / 0 / 1]
7-932-006	Cartridge 8	Color ID	ENG*	[0 to 255 / 0 / 1]
7-932-007	Cartridge 8	Maintenance ID	ENG*	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-932-008	Cartridge 8	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-932-009	Cartridge 8	Recycling Counter	ENG*	[0 to 255 / 0 / 1]
7-932-010	Cartridge 8	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-932-011	Cartridge 8	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-932-012	Cartridge 8	Remaining Ink	ENG*	[0 to 100 / 100 / 1%]
7-932-013	Cartridge 8	EDP Code	ENG*	[0 to 1 / 0 / 1]
7-932-014	Cartridge 8	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-932-015	Cartridge 8	Refill Log	ENG*	[0 to 1 / 0 / 1]
7-932-016	Cartridge 8	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-932-018	Cartridge 8	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-932-020	Cartridge 8	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-932-021	Cartridge 8	Empty Date	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-932-022	Cartridge 8	Ink Consumption Volume	ENG*	[0 to 0xFFFFFFFF / 0 / 1nl]
7-932-023	Cartridge 8	Expiry Date	ENG*	[0 to 255 / 0 / 1]
7-932-027	Cartridge 8	Ink Capacity	ENG*	[0 to 6553.5 / 0 / 0.1ml]
7-940-001	Accrual Date	Internal Temperature	ENG	[0 to 1 / 0 / 1]
7-940-002	Accrual Date	Internal Humidity	ENG	[0 to 1 / 0 / 1]
7-940-003	Time of outside temp range	Head Temp H1	ENG	[0 to 1 / 0 / 1]
7-940-004	Time of outside temp range	Head Temp H2	ENG	[0 to 1 / 0 / 1]
7-940-005	Time of outside temp range	Head Temp H3	ENG	[0 to 1 / 0 / 1]
7-958-001	Clear Factory Counter		ENG	[0 to 1 / 0 / 1]
7-960-001	Cutter Drive Count	Drive Count	ENG	[0 to 999999999 / 0 / 1times]
7-960-002	Cutter Drive Count	Clear Drive Count	ENG	[0 to 1 / 0 / 1]
7-960-003	Cutter Drive Count	Unit Drive Count	ENG	[0 to 999999999 / 0 / 1times]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-960-004	Cutter Drive Count	Clear Unit Drive Count	ENG	[0 to 1 / 0 / 1]
7-961-001	Waste Ink Analysis	Total Cleaning Count	ENG	[0 to 65535 / 0 / 1]
7-961-002	Waste Ink Analysis	Total Refreshing Count	ENG	[0 to 65535 / 0 / 1]
7-961-003	Waste Ink Analysis	Total Ink Supply Sequence Count	ENG	[0 to 255 / 0 / 1]
7-961-004	Waste Ink Analysis	Flushing duringStandby Count	ENG	[0 to 9999 / 0 / 1]
7-961-005	Waste Ink Analysis	User Cleaning Count	ENG	[0 to 65535 / 0 / 1]
7-961-006	Waste Ink Analysis	User Refreshing Count	ENG	[0 to 65535 / 0 / 1]
7-961-007	Waste Ink Analysis	Cleaning Count during Standby	ENG	[0 to 65535 / 0 / 1]
7-961-008	Waste Ink Analysis	Front Cover Open Maintenance Count	ENG	[0 to 65535 / 0 / 1]
7-961-010	Waste Ink Analysis	Negative Pressure Recovery Count	ENG	[0 to 65535 / 0 / 1]
7-961-011	Waste Ink Analysis	Total Air Purged Count	ENG	[0 to 255 / 0 / 1]
7-961-012	Waste Ink Analysis	Nozzle Cleaning Counter	ENG	[0 to 255 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-961-013	Waste Ink Analysis	WasteInkPath Cleaning Counter	ENG	[0 to 255 / 0 / 1]
7-961-014	Waste Ink Analysis	Ink Suction Sequence Count	ENG	[0 to 255 / 0 / 1]
7-961-016	Waste Ink Analysis	Total Filling Liquid Extraction 1 Count	ENG	[0 to 255 / 0 / 1]
7-961-017	Waste Ink Analysis	Total Ink Filling Count	ENG	[0 to 255 / 0 / 1]
7-961-018	Waste Ink Analysis	Waste Ink Tank Replacement Count	ENG	[0 to 255 / 0 / 1]
7-962-012	Waste Ink Tank	Remaining Capacity	ENG*	[0 to 100 / 0 / 1%]
7-962-024	Waste Ink Tank	Waste Ink Volume Count	ENG*	[0 to 4000000000 / 0 / 1nl]
7-965-011	Web Analysis	Total Cleaning Count	ENG	[0 to 65535 / 0 / 1]
7-965-012	Web Analysis	Total Refreshing Count	ENG	[0 to 65535 / 0 / 1]
7-965-013	Web Analysis	Total Ink Supply Sequence Count	ENG	[0 to 255 / 0 / 1]
7-965-019	Web Analysis	Negative Pressure Recovery Count	ENG	[0 to 9999 / 0 / 1]
7-965-020	Web Analysis	User Cleaning Count	ENG	[0 to 65535 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-965-021	Web Analysis	User Refreshing Count	ENG	[0 to 65535 / 0 / 1]
7-965-022	Web Analysis	Cleaning Count during Standby	ENG	[0 to 65535 / 0 / 1]
7-965-034	Web Analysis	Cleaning Count during Printing	ENG	[0 to 65535 / 0 / 1]
7-965-035	Web Analysis	Refreshing Count during Printing	ENG	[0 to 65535 / 0 / 1]
7-965-036	Web Analysis	Nozzle Surface Cleaning Cnt duringPrinting	ENG	[0 to 65535 / 0 / 1]
7-965-037	Web Analysis	Ink Suction Sequence Count	ENG	[0 to 255 / 0 / 1]
7-965-039	Web Analysis	Total Filling Liquid Extraction 1 Count	ENG	[0 to 255 / 0 / 1]
7-965-040	Web Analysis	Total Ink Filling Count	ENG	[0 to 255 / 0 / 1]
7-965-042	Web Analysis	Web Replacement Count	ENG*	[0 to 255 / 0 / 1]
7-965-044	Web Analysis	Front Cover Open Maintenance Count	ENG	[0 to 65535 / 0 / 1]
7-972-001	Head Counter	Head 1	ENG*	[0 to 99999999 / 0 / 1]
7-972-002	Head Counter	Head 2	ENG*	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-972-003	Head Counter	Head 3	ENG*	[0 to 99999999 / 0 / 1]
7-974-001	Web	Model ID	ENG*	[0 to 255 / 0 / 1]
7-974-002	Web	Wiper Unit Version	ENG*	[0 to 255 / 0 / 1]
7-974-003	Web	Brand Name ID	ENG*	[0 to 255 / 0 / 1]
7-974-004	Web	Area ID	ENG*	[0 to 255 / 0 / 1]
7-974-005	Web	Type ID	ENG*	[0 to 255 / 0 / 1]
7-974-007	Web	Maintenance ID	ENG*	[0 to 255 / 0 / 1]
7-974-008	Web	Brand New Information	ENG*	[0 to 255 / 0 / 1]
7-974-010	Web	Manufactured Date	ENG*	[0 to 1 / 0 / 1]
7-974-011	Web	Serial No.	ENG*	[0 to 1 / 0 / 1]
7-974-012	Web	Web Remaining Amount	ENG*	[0 to 100 / 100 / 1%]
7-974-013	Web	EDP Code	ENG*	[0 to 1 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-974-014	Web	Empty Log	ENG*	[0 to 1 / 0 / 1]
7-974-016	Web	Fitted: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-974-017	Web	Empty: Total Counter	ENG*	[0 to 99999999 / 0 / 1]
7-974-018	Web	Fitted Date	ENG*	[0 to 1 / 0 / 1]
7-974-019	Web	Empty Date	ENG*	[0 to 1 / 0 / 1]
7-974-020	Web	End Threshold	ENG*	[0 to 655350 / 0 / 1]
7-974-021	Web	Near End Threshold	ENG*	[0 to 100 / 0 / 1]
7-974-024	Web	Mapping Version	ENG*	[0 to 255 / 0 / 1]
7-974-029	Web	Total Web Count	ENG*	[0 to 60000 / 0 / 0.001mm]
7-979-001	CPU Reset Log	Data1	ENG*	[0x00 to 0xFF / 0x00 / 1]
7-979-002	CPU Reset Log	Data2	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-003	CPU Reset Log	Data3	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-979-004	CPU Reset Log	Data4	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-005	CPU Reset Log	Data5	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-006	CPU Reset Log	Data6	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-007	CPU Reset Log	Data7	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-008	CPU Reset Log	Data8	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-009	CPU Reset Log	Data9	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-010	CPU Reset Log	Data10	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-011	CPU Reset Log	Data11	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-012	CPU Reset Log	Data12	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-013	CPU Reset Log	Data13	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-014	CPU Reset Log	Data14	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-015	CPU Reset Log	Data15	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-979-016	CPU Reset Log	Data16	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-017	CPU Reset Log	Data17	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-018	CPU Reset Log	Data18	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-019	CPU Reset Log	Data19	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-020	CPU Reset Log	Data20	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-979-021	CPU Reset Log	Data21	ENG*	[0x0000 to 0xFFFF / 0x0000 / 1]
7-980-001	Media Information	Type	ENG	[0 to 2 / 0 / 1]
7-980-002	Media Information	Width	ENG	[0 to 3 / 0 / 1]
7-980-003	Media Information	Remaining Length	ENG	[0 to 300000 / 0 / 100mm]
7-991-001	Origin Position Data	Total: X Direction	ENG*	[0 to 3000 / 0 / 0.1mm]
7-991-002	Origin Position Data	Total: Y Direction	ENG	[0 to 300000 / 0 / 1mm]

Main SP Tables-7 (Controller)

SP7-401 to SP7-807

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
7-401-001	Total SC	SC Counter	CTL	[0 to 65535 / 0 / 0]
7-401-002	Total SC	Total SC Counter	CTL	[0 to 65535 / 0 / 0]
7-403-001	SC History	Latest	CTL	[0 to 0 / 0 / 0]
7-403-002	SC History	Latest 1	CTL	[0 to 0 / 0 / 0]
7-403-003	SC History	Latest 2	CTL	[0 to 0 / 0 / 0]
7-403-004	SC History	Latest 3	CTL	[0 to 0 / 0 / 0]
7-403-005	SC History	Latest 4	CTL	[0 to 0 / 0 / 0]
7-403-006	SC History	Latest 5	CTL	[0 to 0 / 0 / 0]
7-403-007	SC History	Latest 6	CTL	[0 to 0 / 0 / 0]
7-403-008	SC History	Latest 7	CTL	[0 to 0 / 0 / 0]
7-403-009	SC History	Latest 8	CTL	[0 to 0 / 0 / 0]
7-403-010	SC History	Latest 9	CTL	[0 to 0 / 0 / 0]
7-404-001	Software Error History	Latest	CTL	[0 to 0 / 0 / 0]
7-404-002	Software Error History	Latest 1	CTL	[0 to 0 / 0 / 0]
7-404-003	Software Error History	Latest 2	CTL	[0 to 0 / 0 / 0]
7-404-004	Software Error History	Latest 3	CTL	[0 to 0 / 0 / 0]
7-404-005	Software Error History	Latest 4	CTL	[0 to 0 / 0 / 0]
7-404-006	Software Error History	Latest 5	CTL	[0 to 0 / 0 / 0]
7-404-007	Software Error History	Latest 6	CTL	[0 to 0 / 0 / 0]
7-404-008	Software Error History	Latest 7	CTL	[0 to 0 / 0 / 0]
7-404-009	Software Error History	Latest 8	CTL	[0 to 0 / 0 / 0]
7-404-010	Software Error History	Latest 9	CTL	[0 to 0 / 0 / 0]
7-502-001	Total Paper Jam	Jam Counter	CTL	[0 to 65535 / 0 / 0]
7-502-002	Total Paper Jam	Total Jam Counter	CTL	[0 to 65535 / 0 / 0]
7-801-001	ROM Part Number	System	CTL	[0 to 0 / 0 / 0]
7-801-101	ROM Version	System	CTL	[0 to 0 / 0 / 0]
7-803-001	PM Counter Display	Paper	CTL	[0 to 9999999 / 0 / 0]
7-804-001	PM Counter Reset	Paper	CTL	[0 to 0 / 0 / 0]
7-807-001	SC/Jam Counter Reset		CTL	[0 to 0 / 0 / 0]
7-835-002	ACC Counter	Printer ACC	CTL	[0 to 9999999 / 0 / 0]

Main SP Tables-8

SP8-001 to SP8-941

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
8-001-001	T:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-004-001	P:Total Jobs		CTL	[0 to 99999999 / 0 / 1]
8-061-017	T:FIN Jobs	AutoCut	CTL	[0 to 99999999 / 0 / 1]
8-064-017	P:FIN Jobs	AutoCut	CTL	[0 to 99999999 / 0 / 1]
8-067-017	O:FIN Jobs	AutoCut	CTL	[0 to 99999999 / 0 / 1]
8-381-001	T:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-381-151	T:Total PrtPGS	Area	CTL	[0 to 99999999 / 0 / 1]
8-381-152	T:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-384-001	P:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-384-151	P:Total PrtPGS	Area	CTL	[0 to 99999999 / 0 / 1]
8-384-152	P:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
8-384-153	P:Total PrtPGS	Area(High)	CTL	[0 to 99999999 / 0 / 1]
8-384-154	P:Total PrtPGS	Area(Low)	CTL	[0 to 99999999 / 0 / 1]
8-384-155	P:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-384-156	P:Total PrtPGS	Field Number	CTL	[0 to 99999999 / 0 / 1]
8-391-101	T:PrintArea	~1SquareMeters	CTL	[0 to 99999999 / 0 / 1]
8-391-102	T:PrintArea	1SquareMeters~5SquareMeters	CTL	[0 to 99999999 / 0 / 1]
8-391-103	T:PrintArea	5SquareMeters~10SquareMeters	CTL	[0 to 99999999 / 0 / 1]
8-391-104	T:PrintArea	10SquareMeters~30SquareMeters	CTL	[0 to 99999999 / 0 / 1]
8-391-105	T:PrintArea	30SquareMeters~50SquareMeters	CTL	[0 to 99999999 / 0 / 1]
8-391-106	T:PrintArea	50SquareMeters~100SquareMeters	CTL	[0 to 99999999 / 0 / 1]
8-391-107	T:PrintArea	100SquareMeters~	CTL	[0 to 99999999 / 0 / 1]
8-401-101	T:PrintLength	~1m	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
8-401-102	T:PrintLength	1m~3m	CTL	[0 to 99999999 / 0 / 1]
8-401-103	T:PrintLength	3m~5m	CTL	[0 to 99999999 / 0 / 1]
8-401-104	T:PrintLength	5m~10m	CTL	[0 to 99999999 / 0 / 1]
8-401-105	T:PrintLength	10m~30m	CTL	[0 to 99999999 / 0 / 1]
8-401-106	T:PrintLength	30m~50m	CTL	[0 to 99999999 / 0 / 1]
8-401-107	T:PrintLength	50m~	CTL	[0 to 99999999 / 0 / 1]
8-411-101	T:PrintDirection	OneWay	CTL	[0 to 99999999 / 0 / 1]
8-411-102	T:PrintDirection	Bidirectional	CTL	[0 to 99999999 / 0 / 1]
8-421-101	T:PrintScanNum	~2	CTL	[0 to 99999999 / 0 / 1]
8-421-102	T:PrintScanNum	3~4	CTL	[0 to 99999999 / 0 / 1]
8-421-103	T:PrintScanNum	5~8	CTL	[0 to 99999999 / 0 / 1]
8-421-104	T:PrintScanNum	9~12	CTL	[0 to 99999999 / 0 / 1]
8-421-	T:PrintScanNum	13~16	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
105				
8-421-106	T:PrintScanNum	17~32	CTL	[0 to 99999999 / 0 / 1]
8-421-107	T:PrintScanNum	33~	CTL	[0 to 99999999 / 0 / 1]
8-431-101	T:HeadGap	~1mm	CTL	[0 to 99999999 / 0 / 1]
8-431-102	T:HeadGap	1mm~5mm	CTL	[0 to 99999999 / 0 / 1]
8-431-103	T:HeadGap	5mm~10mm	CTL	[0 to 99999999 / 0 / 1]
8-431-104	T:HeadGap	10mm~30mm	CTL	[0 to 99999999 / 0 / 1]
8-431-105	T:HeadGap	30mm~50mm	CTL	[0 to 99999999 / 0 / 1]
8-431-106	T:HeadGap	50mm~80mm	CTL	[0 to 99999999 / 0 / 1]
8-431-107	T:HeadGap	80mm~	CTL	[0 to 99999999 / 0 / 1]
8-471-101	T:PrtPGS/Resolution	1200dpi~ FirstScan	CTL	[0 to 99999999 / 0 / 1]
8-471-102	T:PrtPGS/Resolution	900dpi~1200dpi FirstScan	CTL	[0 to 99999999 / 0 / 1]
8-471-	T:PrtPGS/Resolution	600dpi~900dpi FirstScan	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
103				
8-471-104	T:PrtPGS/Resolution	~600dpi FirstScan	CTL	[0 to 99999999 / 0 / 1]
8-471-105	T:PrtPGS/Resolution	1200dpi~ AssociateScan	CTL	[0 to 99999999 / 0 / 1]
8-471-106	T:PrtPGS/Resolution	900dpi~1200dpi AssociateScan	CTL	[0 to 99999999 / 0 / 1]
8-471-107	T:PrtPGS/Resolution	600dpi~900dpi AssociateScan	CTL	[0 to 99999999 / 0 / 1]
8-471-108	T:PrtPGS/Resolution	~600dpi AssociateScan	CTL	[0 to 99999999 / 0 / 1]
8-481-101	T:PrtPGS/StackCoating	1	CTL	[0 to 99999999 / 0 / 1]
8-481-102	T:PrtPGS/StackCoating	2	CTL	[0 to 99999999 / 0 / 1]
8-481-103	T:PrtPGS/StackCoating	3	CTL	[0 to 99999999 / 0 / 1]
8-481-104	T:PrtPGS/StackCoating	4	CTL	[0 to 99999999 / 0 / 1]
8-481-105	T:PrtPGS/StackCoating	5	CTL	[0 to 99999999 / 0 / 1]
8-481-106	T:PrtPGS/StackCoating	6	CTL	[0 to 99999999 / 0 / 1]
8-481-	T:PrtPGS/StackCoating	7	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
107				
8-481-108	T:PrtPGS/StackCoating	8	CTL	[0 to 99999999 / 0 / 1]
8-481-109	T:PrtPGS/StackCoating	9~	CTL	[0 to 99999999 / 0 / 1]
8-781-001	Ink_Botol_Info.	BK	CTL	[0 to 99999999 / 0 / 1]
8-781-002	Ink_Botol_Info.	Y	CTL	[0 to 99999999 / 0 / 1]
8-781-003	Ink_Botol_Info.	M	CTL	[0 to 99999999 / 0 / 1]
8-781-004	Ink_Botol_Info.	C	CTL	[0 to 99999999 / 0 / 1]
8-781-011	Ink_Botol_Info.	W	CTL	[0 to 99999999 / 0 / 1]
8-781-012	Ink_Botol_Info.	Or	CTL	[0 to 99999999 / 0 / 1]
8-781-013	Ink_Botol_Info.	Gr	CTL	[0 to 99999999 / 0 / 1]
8-781-014	Ink_Botol_Info.	Cl	CTL	[0 to 99999999 / 0 / 1]
8-781-015	Ink_Botol_Info.	Met	CTL	[0 to 99999999 / 0 / 1]
8-781-	Ink_Botol_Info.	Prim	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
016				
8-781-031	Ink_Botol_Info.	SMALL BK	CTL	[0 to 99999999 / 0 / 1]
8-781-032	Ink_Botol_Info.	MEDIUM BK	CTL	[0 to 99999999 / 0 / 1]
8-781-033	Ink_Botol_Info.	LARGE BK	CTL	[0 to 99999999 / 0 / 1]
8-781-034	Ink_Botol_Info.	SMALL Y	CTL	[0 to 99999999 / 0 / 1]
8-781-035	Ink_Botol_Info.	MEDIUM Y	CTL	[0 to 99999999 / 0 / 1]
8-781-036	Ink_Botol_Info.	LARGE Y	CTL	[0 to 99999999 / 0 / 1]
8-781-037	Ink_Botol_Info.	SMALL M	CTL	[0 to 99999999 / 0 / 1]
8-781-038	Ink_Botol_Info.	MEDIUM M	CTL	[0 to 99999999 / 0 / 1]
8-781-039	Ink_Botol_Info.	LARGE M	CTL	[0 to 99999999 / 0 / 1]
8-781-040	Ink_Botol_Info.	SMALL C	CTL	[0 to 99999999 / 0 / 1]
8-781-041	Ink_Botol_Info.	MEDIUM C	CTL	[0 to 99999999 / 0 / 1]
8-781-	Ink_Botol_Info.	LARGE C	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
042				
8-781-043	Ink_Botol_Info.	SMALL W	CTL	[0 to 99999999 / 0 / 1]
8-781-044	Ink_Botol_Info.	MEDIUM W	CTL	[0 to 99999999 / 0 / 1]
8-781-045	Ink_Botol_Info.	LARGE W	CTL	[0 to 99999999 / 0 / 1]
8-781-046	Ink_Botol_Info.	SMALL Or	CTL	[0 to 99999999 / 0 / 1]
8-781-047	Ink_Botol_Info.	MEDIUM Or	CTL	[0 to 99999999 / 0 / 1]
8-781-048	Ink_Botol_Info.	LARGE Or	CTL	[0 to 99999999 / 0 / 1]
8-781-049	Ink_Botol_Info.	SMALL Gr	CTL	[0 to 99999999 / 0 / 1]
8-781-050	Ink_Botol_Info.	MEDIUM Gr	CTL	[0 to 99999999 / 0 / 1]
8-781-051	Ink_Botol_Info.	LARGE Gr	CTL	[0 to 99999999 / 0 / 1]
8-781-052	Ink_Botol_Info.	SMALL CL	CTL	[0 to 99999999 / 0 / 1]
8-781-053	Ink_Botol_Info.	MEDIUM CL	CTL	[0 to 99999999 / 0 / 1]
8-781-	Ink_Botol_Info.	LARGE CL	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
054				
8-781-055	Ink_Botol_Info.	SMALL Met	CTL	[0 to 99999999 / 0 / 1]
8-781-056	Ink_Botol_Info.	MEDIUM Met	CTL	[0 to 99999999 / 0 / 1]
8-781-057	Ink_Botol_Info.	LARGE Met	CTL	[0 to 99999999 / 0 / 1]
8-781-058	Ink_Botol_Info.	SMALL Prim	CTL	[0 to 99999999 / 0 / 1]
8-781-059	Ink_Botol_Info.	MEDIUM Prim	CTL	[0 to 99999999 / 0 / 1]
8-781-060	Ink_Botol_Info.	LARGE Prim	CTL	[0 to 99999999 / 0 / 1]
8-851-011	Cvr Cnt:0-10%	0~2%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-012	Cvr Cnt:0-10%	0~2%:Y	CTL	[0 to 99999999 / 0 / 1]
8-851-013	Cvr Cnt:0-10%	0~2%:M	CTL	[0 to 99999999 / 0 / 1]
8-851-014	Cvr Cnt:0-10%	0~2%:C	CTL	[0 to 99999999 / 0 / 1]
8-851-021	Cvr Cnt:0-10%	3~4%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-	Cvr Cnt:0-10%	3~4%:Y	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
022				
8-851-023	Cvr Cnt:0-10%	3~4%:M	CTL	[0 to 99999999 / 0 / 1]
8-851-024	Cvr Cnt:0-10%	3~4%:C	CTL	[0 to 99999999 / 0 / 1]
8-851-031	Cvr Cnt:0-10%	5~7%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-032	Cvr Cnt:0-10%	5~7%:Y	CTL	[0 to 99999999 / 0 / 1]
8-851-033	Cvr Cnt:0-10%	5~7%:M	CTL	[0 to 99999999 / 0 / 1]
8-851-034	Cvr Cnt:0-10%	5~7%:C	CTL	[0 to 99999999 / 0 / 1]
8-851-041	Cvr Cnt:0-10%	8~10%:BK	CTL	[0 to 99999999 / 0 / 1]
8-851-042	Cvr Cnt:0-10%	8~10%:Y	CTL	[0 to 99999999 / 0 / 1]
8-851-043	Cvr Cnt:0-10%	8~10%:M	CTL	[0 to 99999999 / 0 / 1]
8-851-044	Cvr Cnt:0-10%	8~10%:C	CTL	[0 to 99999999 / 0 / 1]
8-851-051	Cvr Cnt:0-10%	0~2%:W	CTL	[0 to 99999999 / 0 / 1]
8-851-	Cvr Cnt:0-10%	0~2%:Or	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				
8-851-053	Cvr Cnt:0-10%	0~2%:Gr	CTL	[0 to 99999999 / 0 / 1]
8-851-054	Cvr Cnt:0-10%	0~2%:Cl	CTL	[0 to 99999999 / 0 / 1]
8-851-055	Cvr Cnt:0-10%	0~2%:Met	CTL	[0 to 99999999 / 0 / 1]
8-851-056	Cvr Cnt:0-10%	0~2%:Prim	CTL	[0 to 99999999 / 0 / 1]
8-851-061	Cvr Cnt:0-10%	3~4%:W	CTL	[0 to 99999999 / 0 / 1]
8-851-062	Cvr Cnt:0-10%	3~4%:Or	CTL	[0 to 99999999 / 0 / 1]
8-851-063	Cvr Cnt:0-10%	3~4%:Gr	CTL	[0 to 99999999 / 0 / 1]
8-851-064	Cvr Cnt:0-10%	3~4%:Cl	CTL	[0 to 99999999 / 0 / 1]
8-851-065	Cvr Cnt:0-10%	3~4%:Met	CTL	[0 to 99999999 / 0 / 1]
8-851-066	Cvr Cnt:0-10%	3~4%:Prim	CTL	[0 to 99999999 / 0 / 1]
8-851-071	Cvr Cnt:0-10%	5~7%:W	CTL	[0 to 99999999 / 0 / 1]
8-851-	Cvr Cnt:0-10%	5~7%:Or	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
072				
8-851-073	Cvr Cnt:0-10%	5~7%:Gr	CTL	[0 to 99999999 / 0 / 1]
8-851-074	Cvr Cnt:0-10%	5~7%:Cl	CTL	[0 to 99999999 / 0 / 1]
8-851-075	Cvr Cnt:0-10%	5~7%:Met	CTL	[0 to 99999999 / 0 / 1]
8-851-076	Cvr Cnt:0-10%	5~7%:Prim	CTL	[0 to 99999999 / 0 / 1]
8-851-081	Cvr Cnt:0-10%	8~10%:W	CTL	[0 to 99999999 / 0 / 1]
8-851-082	Cvr Cnt:0-10%	8~10%:Or	CTL	[0 to 99999999 / 0 / 1]
8-851-083	Cvr Cnt:0-10%	8~10%:Gr	CTL	[0 to 99999999 / 0 / 1]
8-851-084	Cvr Cnt:0-10%	8~10%:Cl	CTL	[0 to 99999999 / 0 / 1]
8-851-085	Cvr Cnt:0-10%	8~10%:Met	CTL	[0 to 99999999 / 0 / 1]
8-851-086	Cvr Cnt:0-10%	8~10%:Prim	CTL	[0 to 99999999 / 0 / 1]
8-861-001	Cvr Cnt:11-20%	BK	CTL	[0 to 99999999 / 0 / 1]
8-861-	Cvr Cnt:11-20%	Y	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
8-861-003	Cvr Cnt:11-20%	M	CTL	[0 to 99999999 / 0 / 1]
8-861-004	Cvr Cnt:11-20%	C	CTL	[0 to 99999999 / 0 / 1]
8-861-051	Cvr Cnt:11-20%	W	CTL	[0 to 99999999 / 0 / 1]
8-861-052	Cvr Cnt:11-20%	Or	CTL	[0 to 99999999 / 0 / 1]
8-861-053	Cvr Cnt:11-20%	Gr	CTL	[0 to 99999999 / 0 / 1]
8-861-054	Cvr Cnt:11-20%	Cl	CTL	[0 to 99999999 / 0 / 1]
8-861-055	Cvr Cnt:11-20%	Met	CTL	[0 to 99999999 / 0 / 1]
8-861-056	Cvr Cnt:11-20%	Prim	CTL	[0 to 99999999 / 0 / 1]
8-871-001	Cvr Cnt:21-30%	BK	CTL	[0 to 99999999 / 0 / 1]
8-871-002	Cvr Cnt:21-30%	Y	CTL	[0 to 99999999 / 0 / 1]
8-871-003	Cvr Cnt:21-30%	M	CTL	[0 to 99999999 / 0 / 1]
8-871-	Cvr Cnt:21-30%	C	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
004				
8-871-051	Cvr Cnt:21-30%	W	CTL	[0 to 99999999 / 0 / 1]
8-871-052	Cvr Cnt:21-30%	Or	CTL	[0 to 99999999 / 0 / 1]
8-871-053	Cvr Cnt:21-30%	Gr	CTL	[0 to 99999999 / 0 / 1]
8-871-054	Cvr Cnt:21-30%	Cl	CTL	[0 to 99999999 / 0 / 1]
8-871-055	Cvr Cnt:21-30%	Met	CTL	[0 to 99999999 / 0 / 1]
8-871-056	Cvr Cnt:21-30%	Prim	CTL	[0 to 99999999 / 0 / 1]
8-881-001	Cvr Cnt:31%-	BK	CTL	[0 to 99999999 / 0 / 1]
8-881-002	Cvr Cnt:31%-	Y	CTL	[0 to 99999999 / 0 / 1]
8-881-003	Cvr Cnt:31%-	M	CTL	[0 to 99999999 / 0 / 1]
8-881-004	Cvr Cnt:31%-	C	CTL	[0 to 99999999 / 0 / 1]
8-881-051	Cvr Cnt:31%-	W	CTL	[0 to 99999999 / 0 / 1]
8-881-	Cvr Cnt:31%-	Or	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				
8-881-053	Cvr Cnt:31%-	Gr	CTL	[0 to 99999999 / 0 / 1]
8-881-054	Cvr Cnt:31%-	Cl	CTL	[0 to 99999999 / 0 / 1]
8-881-055	Cvr Cnt:31%-	Met	CTL	[0 to 99999999 / 0 / 1]
8-881-056	Cvr Cnt:31%-	Prim	CTL	[0 to 99999999 / 0 / 1]
8-921-001	Cvr Cnt/Total	Coverage(%):BK	CTL	[0 to 2147483647 / 0 / 1%]
8-921-002	Cvr Cnt/Total	Coverage(%):Y	CTL	[0 to 2147483647 / 0 / 1%]
8-921-003	Cvr Cnt/Total	Coverage(%):M	CTL	[0 to 2147483647 / 0 / 1%]
8-921-004	Cvr Cnt/Total	Coverage(%):C	CTL	[0 to 2147483647 / 0 / 1%]
8-921-011	Cvr Cnt/Total	Coverage/P:BK	CTL	[0 to 99999999 / 0 / 1]
8-921-012	Cvr Cnt/Total	Coverage/P:Y	CTL	[0 to 99999999 / 0 / 1]
8-921-013	Cvr Cnt/Total	Coverage/P:M	CTL	[0 to 99999999 / 0 / 1]
8-921-	Cvr Cnt/Total	Coverage/P:C	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
014				
8-921-021	Cvr Cnt/Total	Ink Cons(ul):BK	CTL	[0 to 99999999 / 0 / 1ul]
8-921-022	Cvr Cnt/Total	Ink Cons(ul):Y	CTL	[0 to 99999999 / 0 / 1ul]
8-921-023	Cvr Cnt/Total	Ink Cons(ul):M	CTL	[0 to 99999999 / 0 / 1ul]
8-921-024	Cvr Cnt/Total	Ink Cons(ul):C	CTL	[0 to 99999999 / 0 / 1ul]
8-921-031	Cvr Cnt/Total	Ink Cons(ul):W	CTL	[0 to 99999999 / 0 / 1ul]
8-921-032	Cvr Cnt/Total	Ink Cons(ul):Or	CTL	[0 to 99999999 / 0 / 1ul]
8-921-033	Cvr Cnt/Total	Ink Cons(ul):Gr	CTL	[0 to 99999999 / 0 / 1ul]
8-921-034	Cvr Cnt/Total	Ink Cons(ul):Cl	CTL	[0 to 99999999 / 0 / 1ul]
8-921-035	Cvr Cnt/Total	Ink Cons(ul):Met	CTL	[0 to 99999999 / 0 / 1ul]
8-921-036	Cvr Cnt/Total	Ink Cons(ul):Prim	CTL	[0 to 99999999 / 0 / 1ul]
8-921-051	Cvr Cnt/Total	Coverage(%):W	CTL	[0 to 2147483647 / 0 / 1%]
8-921-	Cvr Cnt/Total	Coverage(%):Or	CTL	[0 to 2147483647 / 0 / 1%]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
052				
8-921-053	Cvr Cnt/Total	Coverage(%):Gr	CTL	[0 to 2147483647 / 0 / 1%]
8-921-054	Cvr Cnt/Total	Coverage(%):Cl	CTL	[0 to 2147483647 / 0 / 1%]
8-921-055	Cvr Cnt/Total	Coverage(%):Met	CTL	[0 to 2147483647 / 0 / 1%]
8-921-056	Cvr Cnt/Total	Coverage(%):Prim	CTL	[0 to 2147483647 / 0 / 1%]
8-921-061	Cvr Cnt/Total	Coverage/P:W	CTL	[0 to 99999999 / 0 / 1]
8-921-062	Cvr Cnt/Total	Coverage/P:Or	CTL	[0 to 99999999 / 0 / 1]
8-921-063	Cvr Cnt/Total	Coverage/P:Gr	CTL	[0 to 99999999 / 0 / 1]
8-921-064	Cvr Cnt/Total	Coverage/P:Cl	CTL	[0 to 99999999 / 0 / 1]
8-921-065	Cvr Cnt/Total	Coverage/P:Met	CTL	[0 to 99999999 / 0 / 1]
8-921-066	Cvr Cnt/Total	Coverage/P:Prim	CTL	[0 to 99999999 / 0 / 1]
8-941-001	Machine Status	Operation Time	CTL	[0 to 99999999 / 0 / 1]
8-941-	Machine Status	Standby Time	CTL	[0 to 99999999 / 0 / 1]

SP No.	Large Category	Small Category	ENG or CTL	[Min to Max/Init./Step]
002				
8-941-003	Machine Status	Energy Save Time	CTL	[0 to 99999999 / 0 / 1]
8-941-004	Machine Status	Low Power Time	CTL	[0 to 99999999 / 0 / 1]
8-941-005	Machine Status	Off Mode Time	CTL	[0 to 99999999 / 0 / 1]
8-941-006	Machine Status	SC	CTL	[0 to 99999999 / 0 / 1]
8-941-007	Machine Status	PrtJam	CTL	[0 to 99999999 / 0 / 1]
8-941-008	Machine Status	OrgJam	CTL	[0 to 99999999 / 0 / 1]
8-941-009	Machine Status	Supply PM Unit End	CTL	[0 to 99999999 / 0 / 1]

Input and Output Check

Input Check Table (SP5-803)

5803	[INPUT Check]		
	Perform operation check for specified components.		
5-803-005	Front Register Sensor	ENG	[0 to 1 / 0 / 1]
5-803-012	Register Pressure Release Sensor: Lower	ENG	[0 to 1 / 0 / 1]
5-803-013	Roll Paper Residual Amount Encoder	ENG	[0 to 0xFFFFFFFF / 0 / 1]
5-803-014	Take-up Unit Rotary Encoder	ENG	[0 to 0xFFFFFFFF / 0 / 1]
5-803-015	Residual Qty. Ratio M	ENG	[0 to 0xFFFFFFFF / 0 / 1]
5-803-016	Residual Qty. Ratio Y	ENG	[0 to 0xFFFFFFFF / 0 / 1]
5-803-017	Main Scan Encoder Sensor	ENG	[0 to 0xFFFFFFFF / 0 / 1]
5-803-018	Sub Scan Encoder Sensor	ENG	[0 to 0xFFFFFFFF / 0 / 1]
5-803-019	Roll Feed Unit Set Switch	ENG	[0 to 1 / 0 / 1]
5-803-021	Pre-Heater Cover Set Switch	ENG	[0 to 1 / 0 / 1]
5-803-030	Internal Temperature	ENG	[0 to 100 / 0 / 0.1C]
5-803-031	Internal Humidity	ENG	[0 to 100 / 0 / 1%]
5-803-032	Head Temp H1	ENG	[0 to 100 / 0 / 1C]
5-803-033	Head Temp H2	ENG	[0 to 100 / 0 / 1C]
5-803-034	Head Temp H3	ENG	[0 to 100 / 0 / 1C]
5-803-041	Head Rising Sensor 1	ENG	[0 to 1 / 0 / 1]
5-803-042	Head Rising Sensor 2	ENG	[0 to 1 / 0 / 1]
5-803-070	Maintenance Suction Unit HP Sensor	ENG	[0 to 1 / 0 / 1]
5-803-071	Web Up/Down HP Sensor	ENG	[0 to 1 / 0 / 1]
5-803-074	Web Front/Rear HP Sensor	ENG	[0 to 1 / 0 / 1]
5-803-075	Web Cartridge Set Sensor	ENG	[0 to 1 / 0 / 1]
5-803-077	Blade Wiper HP Sensor	ENG	[0 to 1 / 0 / 1]
5-803-078	Maintenance Suction Unit Decap Sensor	ENG	[0 to 1 / 0 / 1]
5-803-081	Ink Cartridge Lock: Cartridge 1	ENG	[0 to 1 / 0 / 1]
5-803-082	Ink Cartridge Lock: Cartridge 2	ENG	[0 to 1 / 0 / 1]
5-803-083	Ink Cartridge Lock: Cartridge 3	ENG	[0 to 1 / 0 / 1]
5-803-084	Ink Cartridge Lock: Cartridge 4	ENG	[0 to 1 / 0 / 1]
5-803-085	Ink Cartridge Lock: Cartridge 5	ENG	[0 to 1 / 0 / 1]
5-803-086	Ink Cartridge Lock: Cartridge 6	ENG	[0 to 1 / 0 / 1]
5-803-087	Ink Cartridge Lock: Cartridge 7	ENG	[0 to 1 / 0 / 1]
5-803-088	Ink Cartridge Lock: Cartridge 8	ENG	[0 to 1 / 0 / 1]
5-803-091	Ink Cartridge Set: Cartridge 1	ENG	[0 to 1 / 0 / 1]
5-803-092	Ink Cartridge Set: Cartridge 2	ENG	[0 to 1 / 0 / 1]

5-803-093	Ink Cartridge Set: Cartridge 3	ENG	[0 to 1 / 0 / 1]
5-803-094	Ink Cartridge Set: Cartridge 4	ENG	[0 to 1 / 0 / 1]
5-803-095	Ink Cartridge Set: Cartridge 5	ENG	[0 to 1 / 0 / 1]
5-803-096	Ink Cartridge Set: Cartridge 6	ENG	[0 to 1 / 0 / 1]
5-803-097	Ink Cartridge Set: Cartridge 7	ENG	[0 to 1 / 0 / 1]
5-803-098	Ink Cartridge Set: Cartridge 8	ENG	[0 to 1 / 0 / 1]
5-803-099	Ink Cartridge Set: Cleaning Liquid	ENG	[0 to 1 / 0 / 1]

5803	**[Input Check]**		
	Perform operation check for specified components.		
5-803-100	MAIN_GAU_port7	ENG	[0 to 255 / **0** / 1]
	SDCU/PC Logger Set Detection		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	SDCU Error Signal	Abnormal	Normal
Bit 1	PC Logger Set Detection	Set	Not Set
Bit 0	SDCU Set Detection	Set	Not Set

5-803-101	MAIN_GAU_port12	ENG	[0 to 255 / **0** / 1]
	Main Scan Encoder Sensor		
Bit	Component	0	1
Bit 7	Main Scan Encoder A phase	-	-
Bit 6	Main Scan Encoder B phase	-	-
Bit 5	-	-	-
Bit 4	Carriage Driving Motor Error Signal/2	Combination*1	Combination*1
Bit 3	Carriage Driving Motor Error Signal/1	Combination*1	Combination*1
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

*1

Condition	Normal	Abnormal (Over Heat)	Abnormal (Short-Circuit)	Abnormal (Low Voltage)
*Motor Error Signal/2	0	0	1	1

Condition	Normal	Abnormal (Over Heat)	Abnormal (Short-Circuit)	Abnormal (Low Voltage)
*Motor Error Signal/1	0	1	0	1

5-803-102	MAIN_GAU_port13	ENG	[0 to 255 / **0** / 1]
	-		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

5-803-103	MAIN_GAU_INT17	ENG	[0 to 255 / **0** / 1]
	Carriage Section Sensor		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Carriage Jam Sensor	Normal	JAM
Bit 5	-	-	-
Bit 4	HDC Error Signal	Normal	Abnormal
Bit 3	Front Cover Opening Switch/1, 2, Right, Left	Closed	Open
Bit 2	-	-	-
Bit 1	Carriage HP Sensor	Not Located in Home Position	Located in Home Position
Bit 0	-	-	-

5-803-104	MAIN_GAU_port21	ENG	[0 to 255 / **0** / 1]
	Sub Scan Encoder Sensor		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Sub Scan Encoder A phase	-	-
Bit 5	Sub Scan Encoder B phase	-	-
Bit 4	-	-	-

Bit 3	-	-	-
Bit 2	Sub Scan Driving Motor Error Signal/2	Combination*1	Combination*1
Bit 1	Sub Scan Driving Motor Error Signal/1	Combination*1	Combination*1
Bit 0	-	-	-

*1

Condition	Normal	Abnormal (Over Heat)	Abnormal (Short-Circuit)	Abnormal (Low Voltage)
*Motor Error Signal/2	0	0	1	1
*Motor Error Signal/1	0	1	0	1

5-803-105	MAIN_GAU_port22	ENG	[0 to 255 / **0** / 1]
	Front Cover Opening Sensor		
Bit	Component	0	1
Bit 7	Front Cover Opening Switch/Medium 1	Closed	Open
Bit 6	Front Cover Opening Switch/Medium 2	Closed	Open
Bit 5	Front Cover Opening Switch/Right	Closed	Open
Bit 4	Front Cover Opening Switch/Left	Closed	Open
Bit 3	Roll Paper Residual Amount Encoder A phase	-	-
Bit 2	Roll Paper Residual Amount Encoder B phase	-	-
Bit 1	-	-	-
Bit 0	-	-	-

5-803-106	MAIN_GAU_port25	ENG	[0 to 255 / **0** / 1]
	Paper Feed Driving Encoder Sensor		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	1st Paper Feed Driving Encoder A phase	-	-
Bit 5	2nd Paper Feed Driving Encoder B phase	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	1st Paper Feed Rewinding Motor Error Signal/2	Combination*1	Combination*1
Bit 1	1st Paper Feed Rewinding Motor Error Signal/1	Combination*1	Combination*1
Bit 0	-	-	-

*1

Condition	Normal	Abnormal (Over Heat)	Abnormal (Short-Circuit)	Abnormal (Low Voltage)
*Motor Error Signal/2	0	0	1	1
*Motor Error Signal/1	0	1	0	1

5-803-107	MAIN_GAU_port27	ENG	[0 to 255 / **0** / 1]
	Paper Exit Driving Motor Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Paper Exit Driving Motor Error Signal/2	Combination*1	Combination*1
Bit 5	Paper Exit Driving Motor Error Signal/1	Combination*1	Combination*1
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

*1

Condition	Normal	Abnormal (Over Heat)	Abnormal (Short-Circuit)	Abnormal (Low Voltage)
*Motor Error Signal/2	0	0	1	1
*Motor Error Signal/1	0	1	0	1

5-803-109	IOB_V2_port9	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	Supply Motor/12 Error Signal	Abnormal	Normal
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

5-803-110	IOB_V2_port1	ENG	[0 to 255 / **0** / 1]
	Drying Section		
Bit	Component	0	1
Bit 7	Dry Curing Fan/1	Rotation	Restraint
Bit 6	Dry Curing Fan/2	Rotation	Restraint
Bit 5	Dry Curing Fan/3	Rotation	Restraint
Bit 4	Dry Curing Fan/4	Rotation	Restraint
Bit 3	Dry Curing Fan/5	Rotation	Restraint
Bit 2	Dry Curing Fan/6	Rotation	Restraint
Bit 1	Dry Curing Fan/7	Rotation	Restraint
Bit 0	Paper Exit Rewinding Switch/1	Combination*2	Combination*2

*2

Condition	-	Backward Rotation	Forward Rotation	Stopping
Paper Exit Rewinding Switch/1	0	0	1	1
Paper Exit Rewinding Switch/3	0	1	0	1

5-803-111	IOB_V2_port7	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	Internal Air Intake Fan/1	Rotation	Restraint
Bit 6	Internal Air Intake Fan/2	Rotation	Restraint
Bit 5	Internal Air Intake Fan/3	Rotation	Restraint
Bit 4	Internal Air Intake Fan/4	Rotation	Restraint
Bit 3	Internal Air Intake Fan/5	Rotation	Restraint
Bit 2	Internal Air Intake Fan/6	Rotation	Restraint
Bit 1	Internal Air Intake Fan/7	Rotation	Restraint
Bit 0	Internal Air Intake Fan/8	Rotation	Restraint

5-803-012	IOB_V2_port12	ENG	[0 to 255 / **0** / 1]
	Maintenance Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	Maintenance Unit Ink Collection Motor/1 Error Signal	Normal	Abnormal
Bit 1	Maintenance Unit Ink Collection Motor/2 Error Signal	Normal	Abnormal

Bit 0	Maintenance Unit Ink Collection Motor/3 Error Signal	Normal	Abnormal

5-803-113	IOB_V2_port15	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	Blown Fuse Detection (+24VS1_11_1)	Connection	Disconnection
Bit 3	-	-	-
Bit 2	Blown Fuse Detection (+24VS1_11_2)	Connection	Disconnection
Bit 1	Blown Fuse Detection (+24VS1_11_3)	Connection	Disconnection
Bit 0	-	-	-

5-803-114	IOB_V2_INT17	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Front Registration Sensor	Paper	No Paper
Bit 5	Pre-heater Cover Open SW	Detectd	Not Detected
Bit 4	Cover Interlock SW (Left, Right, Center 1, Center 2)	Detectd	Not Detected
Bit 3	Cutter Home Position Switch (Right)	Detectd	Not Detected
Bit 2	Cutter Home Position Switch (Left)	Detectd	Not Detected
Bit 1	Port Cover Detection Sensor	No Feeler	Feeler
Bit 0	Paper Feed Unit Set Switch/1	Detectd	Not Detected

5-803-115	IOB_V2_port22	ENG	[0 to 255 / **0** / 1]
	Maintenance Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	Internal Ventilation Fan/1 (Right)	Rotation	Restraint
Bit 4	Internal Ventilation Fan/2 (Left)	Rotation	Restraint
Bit 3	Maintenance Unit Web Encoder Sensor/1	-	-
Bit 2	Maintenance Unit Web Adjust Sensor /1	-	-
Bit 1	Maintenance Unit Wiper Rotation	Not Located in Home	Located in Home

	Sensor/1	Position	Position
Bit 0	Maintenance Unit Lift Sensor/1	Not Located in Home Position	Located in Home Position

5-803-117	IOB_V2_port24	ENG	[0 to 255 / **0** / 1]
	Drying Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	Zero Cross Detection 1	Detected	Not Detected
Bit 3	-	-	-
Bit 2	High Temperature Detection 1	-	Detected
Bit 1	-	-	-
Bit 0	-	-	-

5-803-118	IOB_V2_port2	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	Paper Exit Rewinding Switch/3	Combination*2	Combination*2
Bit 0	-	-	-

*2

Condition	-	Backward Rotation	Forward Rotation	Stopping
Paper Exit Rewinding Switch/1	0	0	1	1
Paper Exit Rewinding Switch/3	0	1	0	1

5-803-119	IOB_V2_port14	ENG	[0 to 255 / **0** / 1]
	Maintenance Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-

Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	Maintenance Unit Lift Sensor/2	Not Located in Home Position	Located in Home Position

5-803-120	IOB_V3_port1	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	Ink End Sensor/1	Ink	Ink End
Bit 6	Ink End Sensor/2	Ink	Ink End
Bit 5	Ink End Sensor/3	Ink	Ink End
Bit 4	Ink End Sensor/4	Ink	Ink End
Bit 3	Ink End Sensor/5	Ink	Ink End
Bit 2	Ink End Sensor/6	Ink	Ink End
Bit 1	Ink End Sensor/7	Ink	Ink End
Bit 0	Ink End Sensor/8	Ink	Ink End

5-803-121	IOB_V3_port7	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	Ink Cartridge Open/Close Sensor/1	Cover Open	Cover Closed
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	Electrical Components Cooling Fan/1	Rotation	Restraint
Bit 0	Electrical Components Cooling Fan/2	Rotation	Restraint

5-803-123	IOB_V3_port9	ENG	[0 to 255 / **0** / 1]
	Drying Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-

Bit 4	-	-	-
Bit 3	Maintenance Unit Cleaning Liquid Supply Motor/Maintenance Unit Lift Motor Error Signal	Abnormal	Normal
Bit 2	-	-	-
Bit 1	Supply Motor/1 Error Signal	Abnormal	Normal
Bit 0	Supply Motor/2 Error Signal	Abnormal	Normal

5-803-124	IOB_V3_port10	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	Supply Motor/3 Error Signal	Abnormal	Normal
Bit 2	Supply Motor/4 Error Signal	Abnormal	Normal
Bit 1	Supply Motor/5 Error Signal	Abnormal	Normal
Bit 0	Supply Motor/6 Error Signal	Abnormal	Normal

5-803-125	IOB_V3_port14	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	Blown Fuse Detection (+24VS1_5)	Connection	Disconnection
Bit 2	Blown Fuse Detection (+24VS1_7)	Connection	Disconnection
Bit 1	Blown Fuse Detection (+24VS1_9)	Connection	Disconnection
Bit 0	Blown Fuse Detection (+24VS1_11)	Connection	Disconnection

5-803-126	IOB_V3_port15	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-

Bit 4	Maintenance Unit Web Adjust Motor/Maintenance Unit Web Supply Motor Error Signal	Abnormal	Normal
Bit 3	Blown Fuse Detection (+24VS1_6)	Connection	Disconnection
Bit 2	Blown Fuse Detection (+24VS1_8)	Connection	Disconnection
Bit 1	Blown Fuse Detection (+24VS1_10)	Connection	Disconnection
Bit 0	Blown Fuse Detection (+24VS1_12)	Connection	Disconnection

5-803-127	IOB_V3_port17	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	Blown Fuse Detection (+24VS1_17)	Connection	Disconnection
Bit 2	Blown Fuse Detection (+24VS1_18)	Connection	Disconnection
Bit 1	Blown Fuse Detection (+24VS1_19)	Connection	Disconnection
Bit 0	Blown Fuse Detection (+24VH)	Connection	Disconnection

5-803-128	IOB_V3_port19	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Blown Fuse Detection (+24VS1_1)	Connection	Disconnection
Bit 5	Blown Fuse Detection (+24VS1_2)	Connection	Disconnection
Bit 4	Blown Fuse Detection (+24VS1_3)	Connection	Disconnection
Bit 3	Blown Fuse Detection (+24VS1_4)	Connection	Disconnection
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

5-803-129	IOB_V3_port24	ENG	[0 to 255 / **0** / 1]
	Drying Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	Zero Cross Detection/2	Detected	Not Detected

Bit 3	-	-	-
Bit 2	High Temperature Detection/2	-	Detected
Bit 1	-	-	-
Bit 0	-	-	-

5-803-130	IOB_V3_port25	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	Blown Fuse Detection (+24VS1_13)	Connection	Disconnection
Bit 0	Blown Fuse Detection (+24VS1_14)	Connection	Disconnection

5-803-131	IOB_V3_port26	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	Check for Starting up Power Supply/1 (24VS1)	24V Output	No 24V Output
Bit 0	Check for Starting up Power Supply/2 (24VS2)	24V Output	No 24V Output

5-803-132	IOB_V3_port27	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Ink Cartridge Open/Close Sensor/7	Cover Open	Cover Closed
Bit 5	-	-	-
Bit 4	Ink Cartridge Open/Close Sensor/8	Cover Open	Cover Closed
Bit 3	-	-	-
Bit 2	-	-	-

Bit 1	-	-	-
Bit 0	-	-	-

5-803-133	IOB_V3_port11	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	Cutter Motor Error Signal	Normal	Abnormal
Bit 0	Carriage Lift Motor Error Motor	Normal	Abnormal

5-803-134	IOB_V3_port3	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	Check for Starting up Power Supply/1 (24V1)	24V1 Output	No 24V1 Output
Bit 6	Check for Starting up Power Supply/2 (24V2)	24V2 Output	No 24V2 Output
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

5-803-135	IOB_V3_port13	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	Ink Cartridge Open/Close Sensor/2	Cover Open	Cover Closed
Bit 4	Ink Cartridge Open/Close Sensor/3	Cover Open	Cover Closed
Bit 3	Ink Cartridge Open/Close Sensor/4	Cover Open	Cover Closed
Bit 2	Ink Cartridge Open/Close Sensor/5	Cover Open	Cover Closed
Bit 1	Ink Cartridge Open/Close Sensor/6	Cover Open	Cover Closed
Bit 0	-	-	-

5-803-136	IOB_V3_port28	ENG	[0 to 255 / **0** / 1]
	Supply Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	-	-	-
Bit 5	-	-	-
Bit 4	-	-	-
Bit 3	-	-	-
Bit 2	-	-	-
Bit 1	Supply Motor/7 Error Signal	Abnormal	Normal
Bit 0	Supply Motor/8 Error Signal	Abnormal	Normal

5-803-137	IOB_V3_port29	ENG	[0 to 255 / **0** / 1]
	Main Machine Section		
Bit	Component	0	1
Bit 7	-	-	-
Bit 6	Blown Fuse Detection (+24VS1_15)	Connection	Disconnection
Bit 5	-	-	-
Bit 4	Blown Fuse Detection (+24VS1_16)	Connection	Disconnection
Bit 3	Error Signal of Supply Motor/9	Abnormal	Normal
Bit 2	-	-	-
Bit 1	-	-	-
Bit 0	-	-	-

5803	[INPUT Check]		
	Perform operation check for specified components.		
5-803-152	Ink End Sensor 1	ENG	[0 to 1 / 0 / 1]
5-803-153	Ink End Sensor 2	ENG	[0 to 1 / 0 / 1]
5-803-154	Ink End Sensor 3	ENG	[0 to 1 / 0 / 1]
5-803-155	Ink End Sensor 4	ENG	[0 to 1 / 0 / 1]
5-803-156	Ink End Sensor 5	ENG	[0 to 1 / 0 / 1]
5-803-157	Ink End Sensor 6	ENG	[0 to 1 / 0 / 1]
5-803-158	Ink End Sensor 7	ENG	[0 to 1 / 0 / 1]
5-803-159	Ink End Sensor 8	ENG	[0 to 1 / 0 / 1]
5-803-161	OCFS HT1	ENG	[0 to 3 / 0 / 1]
5-803-162	OCFS HT2	ENG	[0 to 3 / 0 / 1]
5-803-163	OCFS HT3	ENG	[0 to 3 / 0 / 1]

5-803-164	OCFS HT4	ENG	[0 to 3 / 0 / 1]
5-803-165	OCFS HT5	ENG	[0 to 3 / 0 / 1]
5-803-166	OCFS HT6	ENG	[0 to 3 / 0 / 1]
5-803-167	OCFS HT7	ENG	[0 to 3 / 0 / 1]
5-803-168	OCFS HT8	ENG	[0 to 3 / 0 / 1]
5-803-169	OCFS HT9	ENG	[0 to 3 / 0 / 1]
5-803-170	OCFS HT10	ENG	[0 to 3 / 0 / 1]
5-803-171	OCFS HT11	ENG	[0 to 3 / 0 / 1]
5-803-172	OCFS HT12	ENG	[0 to 3 / 0 / 1]
5-803-252	Carriage Jam Sensor(Right)	ENG	[0 to 1 / 0 / 1]
5-803-253	Carriage Jam Sensor(Left)	ENG	[0 to 1 / 0 / 1]
5-803-254	Home Position Sensor	ENG	[0 to 1 / 0 / 1]
5-803-255	Paper Edge Sensor	ENG	[0 to 1 / 0 / 1]

Output Check Table (SP5-804)

5804	**[OUTPUT Check]**		
	Perform operation check for specified components.		
5-804-051	Paper Feed Motor: Upper	ENG	[0 to 1 / 0 / 1]
5-804-052	Paper Feed Motor Speed: Upper	ENG	[-2000 to 2000 / 150 / 1rpm]
5-804-053	Paper Feed Motor: Lower	ENG	[0 to 1 / 0 / 1]
5-804-054	Paper Feed Motor Speed: Lower	ENG	[-2000 to 2000 / 150 / 1rpm]
5-804-059	Sub Scan Motor	ENG	[0 to 1 / 0 / 1]
5-804-060	Sub Scan Motor Speed	ENG	[-250 to 250 / 200 / 50mm/s]
5-804-063	Move Cutter Toward Right	ENG	[0 to 1 / 0 / 0]
5-804-064	Move Cutter Toward Left	ENG	[0 to 1 / 0 / 0]
5-804-065	Start Suction Fan	ENG	[0 to 1 / 0 / 1]
5-804-066	Suction Fan Duty	ENG	[20 to 100 / 20 / 10%]
5-804-067	Suction Fan Revolution	ENG	[0 to 10000 / 0 / 1r/min]
5-804-071	Colorimetric Sensor ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-111	Carriage LED On/Off	ENG	[0 to 1 / 0 / 0]
5-804-113	Supply Solenoid 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-114	Supply Solenoid 2 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-115	Supply Solenoid 3 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-116	Supply Solenoid 4 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-117	Supply Solenoid 5 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-118	Supply Solenoid 6 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-119	Supply Solenoid 7 ON/OFF	ENG	[0 to 1 / 0 / 1]

5-804-120	Supply Solenoid 8 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-125	Circulation Solenoid 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-126	Circulation Solenoid 2 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-127	Circulation Solenoid 3 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-128	Circulation Solenoid 4 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-150	Maint.Unit Lift Motor 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-151	Maint.Unit Wiper Motor 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-152	Maint.Unit Ink Collection Motor 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-153	Collect Moter2	ENG	[0 to 1 / 0 / 1]
5-804-154	Collect Moter3	ENG	[0 to 1 / 0 / 1]
5-804-160	Maint.Unit Web Adjust Motor 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-161	Maint.Unit Web Supply Motor 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-162	Maint.Unit Web Shift Motor1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-163	Maint.Unit CleaningLiq.SupplyMotor 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-164	Supply Motor 1 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-165	Supply Motor 2 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-166	Supply Motor 3 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-167	Supply Motor 4 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-168	Supply Motor 5 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-169	Supply Motor 6 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-170	Supply Motor 7 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-171	Supply Motor 8 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-172	Supply Motor 9 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-173	Supply Motor 10 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-174	Supply Motor 11 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-175	Supply Motor 12 ON/OFF	ENG	[0 to 2 / 0 / 1]
5-804-188	Suction Fan 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-198	Controller Box Cooling Fan 1 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-200	Dry Curing Fan 1-7 ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-209	Execute Decapping	ENG	[0 to 1 / 0 / 1]
5-804-210	Execute Capping	ENG	[0 to 1 / 0 / 1]
5-804-211	Carriage Motor ON/OFF	ENG	[0 to 1 / 0 / 1]
5-804-212	Ink Cartridge Cover Open LED1	ENG	[0 to 1 / 0 / 1]
5-804-213	Ink Cartridge Cover Open LED2	ENG	[0 to 1 / 0 / 1]
5-804-214	Ink Cartridge Cover Open LED3	ENG	[0 to 1 / 0 / 1]
5-804-215	Ink Cartridge Cover Open LED4	ENG	[0 to 1 / 0 / 1]
5-804-216	Ink Cartridge Cover Open LED5	ENG	[0 to 1 / 0 / 1]
5-804-217	Ink Cartridge Cover Open LED6	ENG	[0 to 1 / 0 / 1]

5-804-218	Ink Cartridge Cover Open LED7	ENG	[0 to 1 / 0 / 1]
5-804-219	Ink Cartridge Cover Open LED8	ENG	[0 to 1 / 0 / 1]
5-804-220	Paper Feed Motor: Upper	ENG	[0 to 1 / 0 / 1]
5-804-223	Print Area LED1	ENG	[0 to 1 / 0 / 1]
5-804-224	Print Area LED2	ENG	[0 to 1 / 0 / 1]
5-804-225	Print Area LED3	ENG	[0 to 1 / 0 / 1]
5-804-226	Print Area LED4	ENG	[0 to 1 / 0 / 1]
5-804-227	Print Area LED5	ENG	[0 to 1 / 0 / 1]
5-804-228	Print Area LED6	ENG	[0 to 1 / 0 / 1]