






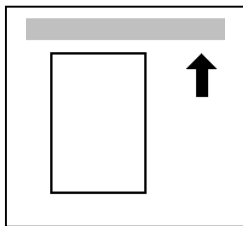


Provence-P2W
(Machine Code: J006)
Service Manual
(Insert Version)

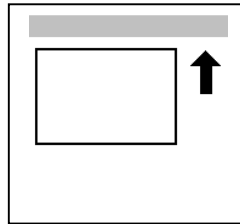
Conventions Used in this Manual

This manual uses several symbols.

Symbol	What it means
	Refer to section number
	See Core Tech Manual for details
	Screw
	Connector
	E-ring
	Clip ring
	Clamp



Lengthwise, SEF
(Short Edge Feed)



Sideways, LEF
(Long Edge Feed)

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.

Safety Instructions

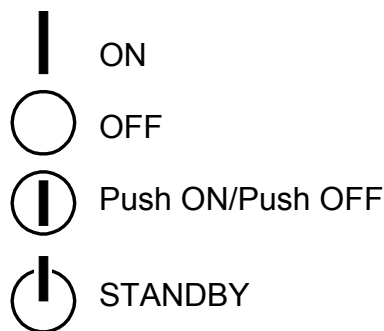
For your safety, please read this manual carefully before you service this product. Always keep this manual handy for future reference.

Safety Information

Always obey the these safety precautions when using this product.

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.



SAFE-SYM.WMF

Responsibilities of the Customer Engineer

Maintenance

Maintenance shall be done only by trained customer engineers who have completed service training for the machine and all optional devices designed for use with the machine.

Installation

The main machine and options can be installed by either the customer or customer engineer. The customer or customer engineer must follow the installation instructions described in the operating instructions.

Reference Material for Maintenance

Maintenance shall be done with the special tools and the procedures prescribed for maintenance of the machine described in the reference materials (service manuals, technical bulletins, operating instructions, and safety guidelines for customer engineers).

Use only consumable supplies and replacement parts designed for use with the machine.

Before Installation, Maintenance

Shipping and Moving the Machine

CAUTION

1. Work carefully when lifting or moving the machine. If the machine is heavy, two or more customer engineers may be required to prevent injuries (muscle strains, spinal injuries, etc.) or damage to the machine if it is dropped or tipped over.
2. Personnel moving or working around the machine should always wear proper clothing and footwear. Never wear loose fitting clothing or accessories (neckties, loose sweaters, bracelets, etc.) or casual footwear (slippers, sandals, etc.) when lifting or moving the machine.
3. Always unplug the power cord from the power source before you move the machine. Before you move the machine, arrange the power cord so it will not fall under the machine.

Power

Warning

1. Always turn the machine off and disconnect the power plug before doing any maintenance procedure. After turning the machine off, power is still supplied to the main machine and other devices. To prevent electrical shock, switch the machine off, wait for a few seconds, then unplug the machine from the power source.
2. Before you do any checks or adjustments after turning the machine off, work carefully to avoid injury. After removing covers or opening the machine to do checks or adjustments, avoid touching electrical components or moving parts (gears, timing belts, etc.).
3. After turning the machine on with any cover removed, keep your hands away from electrical components and moving parts. Never touch the cover of the fusing unit, gears, timing belts, etc.

Installation, Disassembly, and Adjustments

CAUTION

1. After installation, maintenance, or adjustment, always check the operation of the machine to make sure that it is operating normally. This ensures that all shipping materials, protective materials, wires and tags, metal brackets, etc., (attached to protect the machine during shipping), have been removed and that no tools remain inside the machine.
2. Never use your fingers to check moving parts that are causing spurious noise. Never use your fingers to lubricate moving parts while the machine is operating.

Special Tools

CAUTION

1. Use only standard tools approved for machine maintenance.
2. For special adjustments, use only the special tools and lubricants described in the service manual. Using tools incorrectly, or using tools that could damage parts, could damage the machine or cause injuries.

During Maintenance

General

CAUTION

1. Before you begin a maintenance procedure, always:
 - Switch the machine off.
 - Disconnect the power plug from the power source.
 - Allow the machine to cool for at least 10 minutes.
2. Avoid touching the components inside the machine that are labeled as hot surfaces.

Safety Devices

WARNING

1. Never remove any safety device (a fuse, thermistor, etc.) unless it requires replacement. Always replace a safety device immediately.
2. Never do any procedure that defeats the function of any safety device. Modification or removal of a safety device (fuse, thermistor, etc.) could cause a fire and personal injury. After removal and replacement of any safety device, always test the operation of the machine to ensure that it is operating normally and safely.
3. For replacement parts use only the correct fuses, thermistors, circuit breakers, etc. rated for use with the machine. Using replacement devices not designed for use with the machine could cause a fire and personal injuries.

Organic Cleaners

CAUTION

1. During preventive maintenance, never use any organic cleaners (alcohol, etc.) other than those described in the service manual. (Refer the “2. Preventive Maintenance” in the Service Manual.)
2. Make sure the room is well ventilated before using any organic cleaner. Always use organic solvents in small amounts to avoid breathing the fumes and becoming nauseous.
3. Switch the machine off, unplug it, and allow it to cool before doing preventive maintenance. To avoid fire or explosion, never use an organic cleaner near any component that generates heat.
4. Wash your hands thoroughly after cleaning parts with an organic cleaner to avoid contamination of food, drinks, etc. which could cause illness.

Power Plug and Power Cord

WARNING

1. Before servicing the machine (especially when responding to a service call), always make sure that the power plug has been inserted completely into the power source. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) and cause a fire or other problems.
2. Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat and cause a fire.
3. Inspect the entire length of the power cord for cuts or other damage. Replace the power cord if necessary. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or personal injury from electrical shock.
4. Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the power cord can cause excessive heat to build up and could cause a fire.
5. Make sure that the area around the power source is free of obstacles so the power cord can be removed quickly in case of an emergency.
6. Make sure that the power cord is grounded (earthed) at the power source with the ground wire on the plug.
7. Connect the power cord directly into the power source. Never use an extension cord.
8. When you disconnect the power plug from the power source, always pull the plug, not the cable.

After Installation, Servicing

Disposal of Used Items

WARNING

Ink is flammable. Never attempt to incinerate empty cartridges.

CAUTION

1. Always dispose of used items in accordance with the local laws and regulations regarding the disposal of such items.
2. To protect the environment, never dispose of this product or any kind of waste from consumables at a household waste collection point. Dispose of these items at one of our dealers or at an authorized collection site.

Points to Confirm with Operators

At the end of installation or a service call, instruct the user about use of the machine. Emphasize the following points.

- Show operators how to remove jammed paper and troubleshoot other minor problems by following the procedures described in the operating instructions.
- Point out the parts inside the machine that they should never touch or attempt to remove.
- Confirm that operators know how to store and dispose of consumables such as cartridges, ammonia water, paper, etc..
- Make sure that all operators have access to an operating instruction manual for the machine.
- Confirm that operators have read and understand all the safety instructions described in the operating instructions.
- Demonstrate how to turn off the power and disconnect the power plug (by pulling the plug, not the cord) if any of the following events occur:
 - 1) Something has spilled into the product.
 - 2) Service or repair of the product is necessary.
 - 3) The product cover has been damaged.
- Caution operators about removing paper fasteners around the machine. They should never allow paper clips, staples, or any other small metallic objects to fall into the product.

Important: Make sure the operators understand the following points:

- The operator must lift the output tray to release the paper cassette before loading paper.
- Paper is loaded in the standard paper cassette without removing it from the printer.
- The operator should never attempt to remove the paper cassette from the printer.

Special Safety Instructions For Cartridges

Accidental Physical Exposure To Ink

CAUTION

1. If ink gets on the skin, wash the affected area immediately with soap and cold running water.
2. 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.
3. If ink is swallowed, drink a strong solution of cold water and table salt to induce vomiting. Seek medical attention immediately.
4. Ink is difficult to remove from fabric. Work carefully to avoid staining clothing when performing routine maintenance or replacing cartridges.

Handling and Storing Cartridges

WARNING

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

CAUTION

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

Cartridge Disposal

CAUTION

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

Contents

OVERVIEW OF MAIN NEW FEATURES	2
1. INSTALLATION	3
2. PREVENTIVE MAINTENANCE	3
2.1 FRICTION PAD	3
3. REPLACEMENT AND ADJUSTMENT	4
3.1 OUTPUT TRAY	4
3.2 PAPER FEED CASSETTE	4
3.3 MAINTENANCE UNIT, WASTE INK UNIT	5
4. TROUBLESHOOTING	8
4.1 OPERATION PANEL LED DISPLAY	8
4.2 STATUS MONITOR MESSAGES	10
4.2.1 SC ERROR CODE TABLE	14
5. SERVICE INFORMATION	16
5.1 OPERATION PANEL FUNCTIONS	16
5.1.1 MAIN FUNCTIONS	17
5.1.2 TO SELECT USB 1.1	17
5.1.3 TO SELECT USB AUTO SELECT MODE	18
5.1.4 TO FEED 3 CLEAN SHEETS	18
5.1.5 TO PREPARE THE PRINTER FOR TRANSPORT	18
6. DETAILS	19
6.1 PRINT CARTRIDGES	19
6.2 PRINT CARTRIDGE SET DETECTION	20
6.3 WASTE INK TANK FULL SENSOR	21
6.4 CASSETTE LOCK/RELEASE	22
6.5 ELECTRICAL COMPONENTS	23
6.5.1 MAIN BOARDS	23
6.5.2 CONTROL BOARD	25
6.5.3 INK CARTRIDGE BOARD	26
6.5.4 DRV BOARD	27
6.5.5 SUB ENCODER (DC RELAY) BOARD	28
6.5.6 CONNECTOR LIST	29
7. SPECIFICATIONS	31
7.1 PRINTER ENGINE BASE SPECIFICATIONS	31
7.2 J006 PAPER SPECIFICATIONS	36
7.3 MAIN UNIT AND OPTION DESCRIPTIONS	37
7.4 CONFIGURATION	38
7.4.1 PRINTER	38
7.4.2 DUPLEXER	39
7.4.3 PAPER TRAY (OPTION)	40

OVERVIEW OF MAIN NEW FEATURES

This document describes the new features and changes of the Provence-P2W (hereafter "J006"), compared to the earlier models Alsace-P1 and Provence-P1 (hereafter "previous models" or respectively "J001" and "J003").

Here is a summary of the important new features of this printer.

- **Black ink improvement**

The adherence of the black ink has been improved to the equivalent of permanent marker pen.

- **Each ink cartridge provided with an ID chip**

Each ink cartridge is equipped with a new ID chip that allows greater accuracy in displaying the amount of ink remaining (5 steps), enables detection to determine whether an individual cartridges is set properly, and provides other useful information about the cartridge.

- **Duplex unit**

The lock mechanism on the duplex unit and the bypass feed operation have been improved.

- **Secondary count function**

The counts for PM parts are based on the length of A4-size paper.

- **Print compatibility with used paper and punched paper**

Printer driver settings allow the printer to ignore paper width detection to improve the compatibility of the printer with used punched paper.

NOTE: The section numbers of this document (Sections 1-7) correspond to the section numbers of the Alsace/Provence (Machine Code: J001/J003) Service Manual, 17 September 2004.

1. INSTALLATION

Like the previous models, the J006 can be fully installed by the user.

2. PREVENTIVE MAINTENANCE

2.1 FRICTION PAD

Reference	Comment
None	New Feature

1. Position the bottom of the printer over the edge of a table.
NOTE: To prevent spilling ink from the maintenance unit, keep the printer level.
2. Remove the friction pad [A] from the bottom of the printer (2x2).



P2W-2-5A.BMP

3. Use a damp cloth to wipe clean the surface of the friction pad [B].



P2W-2-5B.BMP

3. REPLACEMENT AND ADJUSTMENT

3.1 OUTPUT TRAY

J001/J003 Manual Reference	3.2.2 Detaching and Reattaching Output Tray
Comment	The detachment and reattachment of the output tray is much easier.

1. Raise the exit tray [A].
2. Push up the exit tray to release the shaft of the lock, then pull the exit tray toward you.
3. To set the exit tray again, reverse this procedure by pushing in the tray to lock the shaft and then lowering the exit tray.



P2W-3-2.BMP

3.2 PAPER FEED CASSETTE

J001/J003 Manual Reference	3.2.3 Paper Feed Cassette
Comment	The standard paper feed cassette (Tray 1) pulls easily out of the printer. There are no pawls to release under the cassette.

Just pull the feed cassette [A] out of the printer to remove it.



P2W-3-3.BMP

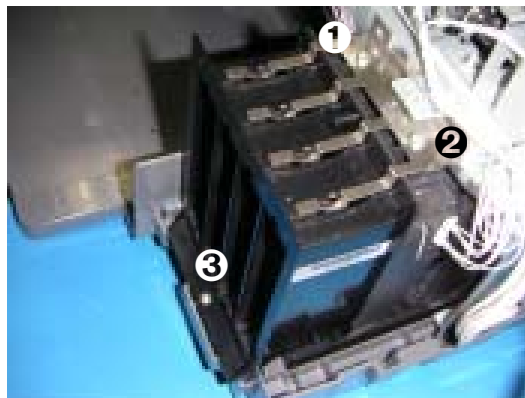
3.3 MAINTENANCE UNIT, WASTE INK UNIT

J001/J003 Manual Reference	The section numbers referenced in Step 1 are in the J001/J003 Service Manual.
Comment	Procedure change due to slight modifications in the structure of the printer.

1. Remove:
 - Output tray (➡3.2.2)
 - Paper feed cassette (➡3.2.3)
 - Top cover (➡3.2.4)
 - Front cover, right cover (➡3.2.7)
 - Right front door (➡3.2.6)
2. Remove:
 - Front cover
 - Right cover

NOTE: You can remove the right cover by first removing the two screws of the rear cover and then releasing the upper pawls of the right cover.

3. Remove the lock screws ❶, ❷, ❸ of the ink supply unit (➡x3).

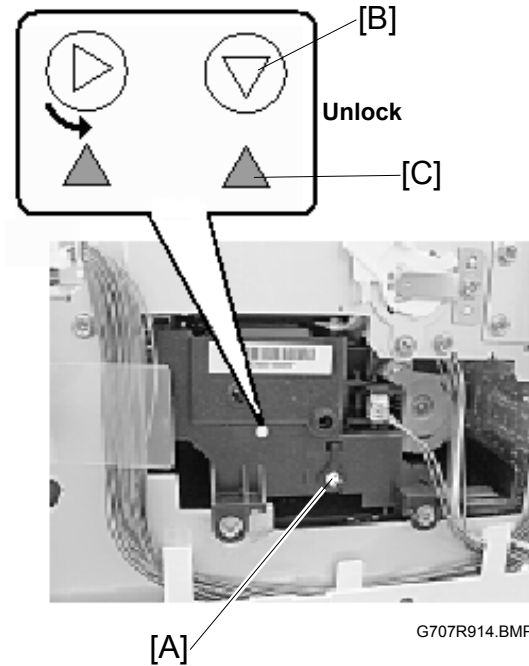


P2W-3-7A.BMP

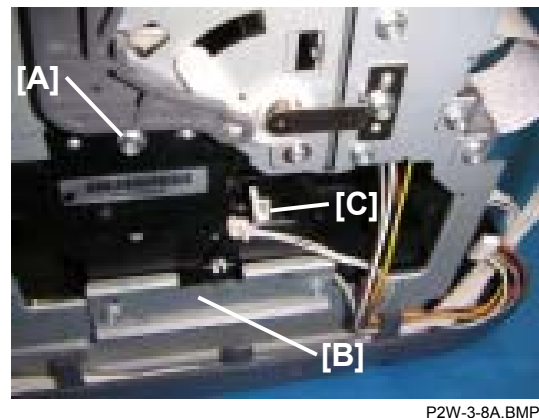
4. On the maintenance unit use a plus (+) screwdriver to turn the screw at [A] counter-clockwise until the tip of the upper triangle [B] aligns with the tip of the lower triangle [C]. This unlocks the carriage.

Important: Be sure to rotate screw [A] counter-clockwise.

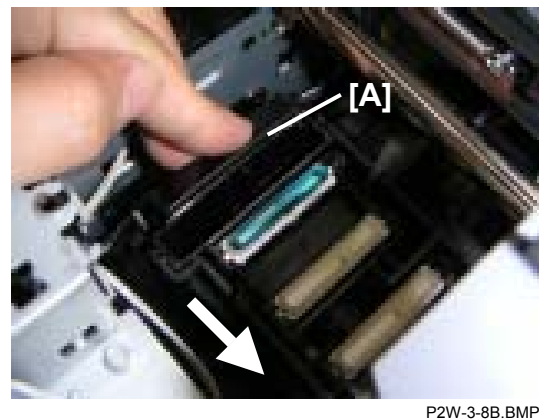
5. Push the unlocked carriage to the middle of the platen above the transport belt.



6. Remove the lock screw [A] (⌘ x1) and bracket [B] (⌘ x2).
7. Disconnect the maintenance HP sensor [C] (⌘ x1).

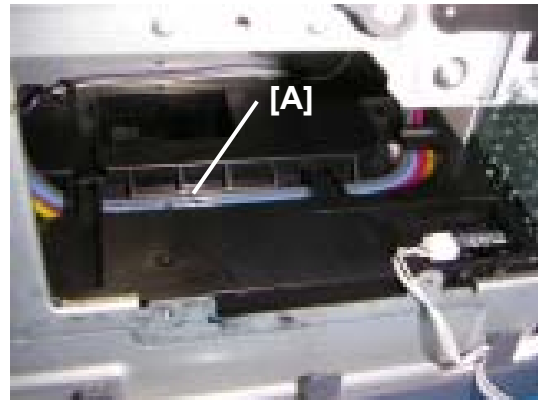


8. While pressing down on the blade [A], pull the maintenance unit toward you to remove it.



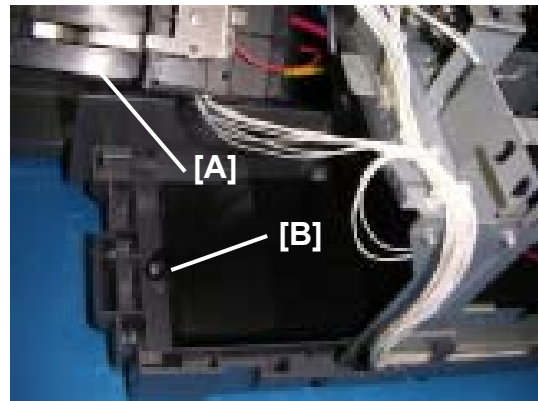
9. Release the ink supply tubes [A] from the clamps on the back of the ink supply unit.

Important: Reconnect the tubes in order from left to right: K, C, M, Y



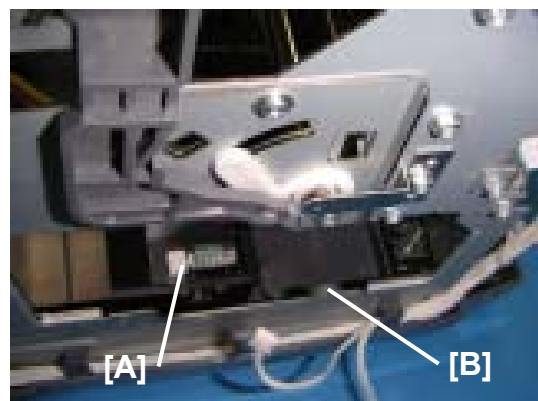
P2W-3-8C.BMP

10. Pull out the ink supply unit [A].
11. Remove the screw [B] of the waste ink collection unit.



P2W-3-8D.BMP

12. Disconnect the full sensor [A] of the waste ink tank.
13. Raise the waste ink suction unit above the boss [B] on the frame. Then pull it out of the printer.

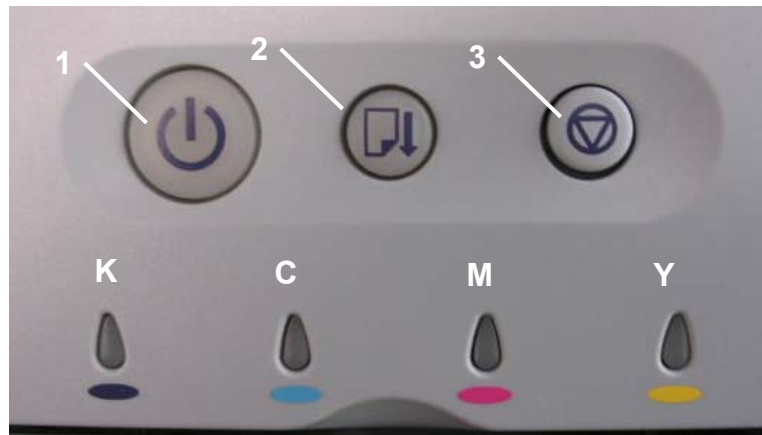


P2W-3-9A.BMP

4. TROUBLESHOOTING

4.1 OPERATION PANEL LED DISPLAY

J001/J003 Manual Reference	4.1.1 Operation Panel Display
Comment	Only shape of the operation panel has changed. However, key operation is the same as the J001/J003.



P2W-OPANEL1.BMP

Operation Panel Keys/Indicators

Indicator/Key	Function	
1. Power Key/LED	Press to turn the printer on. LED lights to show power on.	
2. Paper Feed Key/LED	Flashes when there is a paper jam.	
3. Cancel Key (No LED)	Press to cancel a print job.	
Y Yellow Ink (LED)	Flashes	Yellow ink near end.
	Lights	Yellow ink exhausted.
M Magenta Ink LED	Flashes	Magenta ink near end.
	Lights	Magenta ink exhausted.
C Cyan Ink LED	Flashes	Cyan ink near end.
	Lights	Cyan ink exhausted.
K Black Ink LED	Flashes	Black ink near end.
	Lights	Black ink exhausted.

Examine the table on the next page for more about how these LEDs work together.

LED Operation Summary**NOTE:** Shaded items are new features of the J006.

Item	LED					
	Power	Paper	K	C	M	Y
	Green	Red	Red	Red	Red	Red
Online (Ready for Normal Operation)	○					
Job Received/Job Processing	○					
Receiving Print Job	●					
No Paper in Tray No Paper Feed Jam in Tray No Paper Feed Jam in Duplex Unit (Cannot Print Second Side of Duplex Page)	○	○				
Paper Stop Jam (Cannot Reprint)	○	●				
Black Ink Near End	○		●			
Cyan Ink Near End	○			●		
Magenta Ink Near End	○				●	
Yellow Ink Near End	○					●
Black Ink End	○		○			
Cyan Ink End	○			○		
Magenta Ink End	○				○	
Yellow Ink End	○					○
Black (K) Cartridge Not Set	○		○			
Cyan (C) Cartridge Not Set	○			○		
Magenta (M) Cartridge Not Set	○				○	
Yellow (Y) Cartridge Not Set	○					○
Ink Cartridge Cover Open		○				
Printer Cover Open	○	●				
Printer Warming Up	●					
Print Head Cleaning (by Operator)	●					
Call For Service (Engine Service Call)	●	●	●	●	●	●
Shutting Down	▲					
Overheated (Printer Can Recover)	●					
Overheated (Printer Cannot Recover) * ¹	●	●				

*¹ The machine should be returned to the service center for repair or replacement.

Remarks:

KCMY	Black, Cyan, Magenta, Yellow ink
●	Fast flashing on (0.5 s) and off (1.0 s) continuously.
▲	Slow flashing on (0.5 s) and off (1.5 s) continuously.
○	Lights and remains on.

4.2 STATUS MONITOR MESSAGES

J001/J003 Manual Reference	4.1.2 Status Monitor Messages
Comment	The shaded status monitor messages in the table below have been added for the J006.

NOTE: The exact wording of the Status Monitor messages that appear on the screen may be different.

Status	Status Display
	Message Display
Normal	Operational
	Ready
Printing	Operational
	Printing...
Drying	Operational
	Inkjet Transparency sheet-dry print delay has been enabled. Please wait.
Preparing (Warming Up)	Warming Up/Adjusting...
	Please wait.
Temperature Out of Range – Low (Recoverable)	Warming Up/Adjusting...
	Room temperature is out of the printable temperature range. Adjust the room temperature to a suitable range and wait for a while before using the printer. Click [User Guide] for further information.
Temperature Out of Range – High (Recoverable)	Warming Up/Adjusting...
	Room temperature is out of the printable temperature range. Adjust the room temperature to a suitable range and wait for a while before using the printer. Click [User Guide] for further information.
Supplying Ink	Loading from Cartridge...
	Please wait.
Servicing Print Heads	Cleaning Print-heads...
	Please wait.
Resetting Job	Operational
	Resetting job(s)...
Power Off	No Response from Printer
	Check the power and cables. Click [User Guide] for further information.
Ink Supply Low (K)	Operational
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover and replace the cartridge(s). [Right Front Cover]: [Black] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.
Ink Supply Low (C)	Operational
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover and replace the cartridge(s). [Right Front Cover]: [Cyan] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.

Status	Status Display
	Message Display
Ink Supply Low (M)	Operational
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover and replace the cartridge(s). [Right Front Cover]: [Yellow] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.
Ink Supply Low (Y)	Operational
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover and replace the cartridge(s). [Right Front Cover]: [Yellow] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.
Paper Out in Specified Tray – Bypass Tray	No Paper
	No paper in the Bypass. Set paper correctly. Click [User Guide] for further information.
Paper Out in Specified Tray – Tray 1 (Standard)	No Paper/Tray Not Detected
	No paper or paper source tray(s) are not set correctly. Check the indicated tray(s). [Tray 1] Click [User Guide] for further information.
Paper Out in Specified Tray – Tray 2	No Paper/Tray Not Detected
	No paper or paper source tray(s) are not set correctly. Check the indicated tray(s). [Tray 2] Click [User Guide] for further information.
Paper in Specified Tray Does Not Match Paper Size Selected for Job – Bypass Tray	Paper Size Mismatch
	Paper of the selected paper size is not set in the indicated paper source tray. Check the indicated tray. [Bypass]. Click [User Guide] for further information.
Paper in Specified Tray Does Not Match Paper Size Selected for Job – Tray 1	Paper Size Mismatch
	Paper of the selected paper size is not set in the indicated paper source tray. Check the indicated tray. [Tray 1]. Click [User Guide] for further information.
Paper in Specified Tray Does Not Match Paper Size Selected for Job – Tray 2	Paper Size Mismatch
	Paper of the selected paper size is not set in the indicated paper source tray. Check the indicated tray. [Tray 2]. Click [User Guide] for further information.
Ink End (K)	Cartridge/Print-head Tank Empty
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover, then replace the cartridge(s). [Right Front Cover]: [Black] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.
Ink End (C)	Cartridge/Print-head Tank Empty
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover, then replace the cartridge(s). [Right Front Cover]: [Cyan] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.

Status	Status Display
	Message Display
Ink End (M)	Cartridge/Print-head Tank Empty
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover, then replace the cartridge(s). [Right Front Cover]: [Magenta] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.
Ink End (Y)	Cartridge/Print-head Tank Empty
	Replace cartridge(s). Cartridge(s) are empty. Open the indicated cover, then replace the cartridge(s). [Right front cover]: [Yellow] When multiple cartridges need replacing, pull out all empty cartridges first, then insert the new ones. Click [User Guide] for further information.
Print cartridge Not Set	Print Cartridge(s) Not Detected/Cover Open
	Check one of the following. -No cartridge(s) are set. - Cartridge(s) are set incorrectly. -Right Front Cover is open. Open the indicated cover and check the cartridge(s), then close the cover. [Right Front Cover] Click [User Guide] for further information.
Cover Open – Ink Cartridge Cover	Print Cartridge(s) Not Detected/Cover Open
	Close the indicated cover(s). [Right Front Cover] Click [User Guide] for further information.
Cover Open (Upper or Rear Cover)	Cover Open
	Duplex Unit is not set correctly or the indicated cover(s) are open. Reset Duplex Unit and close the indicated cover(s), then press the [Resume] key on the printer. [Top Cover, Rear Cover] Click [User Guide] for further information.
Cover Open (Duplex Unit)	Cover Open
	Close the indicated cover(s). [Duplex Unit Cover] Click [User Guide] for further information.
Poor Duplex Unit Connection	Duplex Unit Not Detected
	Duplex Unit is not set correctly or there is no Duplex Unit. Reset Duplex Unit, then press the [Resume] key on the printer. Click [User Guide] for further information.
Paper Jam (Tray 1)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Tray 1] Click [User Guide] for further information.
Paper Jam (Tray 2)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Tray 2, Tray 2 Rear Cover] Click [User Guide] for further information.
Paper Jam (Bypass Tray)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Bypass] Click [User Guide] for further information.
Paper Jam (Reverse Guide Plate with Duplex)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Guide] [Open the Rear Cover to access the Guide.] Click [User Guide] for further information.
Paper Jam (Reverse Guide Plate without Duplex)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Top Cover] Click [User Guide] for further information.

Status	Status Display
	Message Display
Paper Jam (Top cover)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Top Cover] Click [User Guide] for further information.
Paper Jam (Duplex Unit)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Duplex Unit] Click [User Guide] for further information.
Paper Jam (Paper Exit)	Paper Misfeed
	Check the indicated part(s), then remove any jammed paper. [Paper Output Exit] Click [User Guide] for further information.
Paper in Bypass Tray at Start of Job	Paper in Bypass
	Print(s) are left in the Bypass. Remove the print(s). When the printer's [Resume] key lights up, insert a sheet face up. Click [User Guide] for further information.
Temperature Out of Range – Too Low	Out of Printable Temperature Range
	Room temperature is out of the printable temperature range. Turn the power off, then on. Adjust the room temperature to a suitable range and wait for a while before using the printer. Click [User Guide] for further information.
Temperature Out of Range – Too High	Out of Printable Temperature Range
	Room temperature is out of the printable temperature range. Turn the power off, then on. Adjust the room temperature to a suitable range and wait for a while before using the printer. Click [User Guide] for further information.
Engine Service Call	Printer Error
	Turn the power off, then on. If this message appears again, please call the service. Click [User Guide] for further information. ERR***.*
Ink Waste Tank Near Full	Operational
	Internal unit replacement is now necessary. The printer will stop functioning shortly. Please call the service. Click [User Guide] for further information.

4.2.1 SC ERROR CODE TABLE

The SC codes for this printer show by the printer driver on the PC screen in the format “ERR***”. Where “***” is one of the three-digit codes shown in the tables below. Print the Test Print if you want to see the 5 most recent SC codes given by the printer.

J001/J003 Manual Reference	4.3.3 SC Error Code Table
Comment	The shaded SC codes in the tables below have been added for the J006.

950	A	USB Chip Read Error	
		A USB chip read error occurred at power on.	<ul style="list-style-type: none"> Control board defective. Send the printer to the repair center.

951	A	No Definition Assigned to USB Chip	
		The USB chip definition is missing.	<ul style="list-style-type: none"> Control board defective. Send the printer to the repair center.

973	A	EEPROM Write Error	
		An EEPROM write error was detected at power on, or during a print job.	<ul style="list-style-type: none"> EEPROM on the control board defective. Send the printer to the repair center.

986	A	Humidity Sensor Error	
		The printer detected a humidity sensor error.	<ul style="list-style-type: none"> Humidity sensor connector disconnected, loose, or damaged Humidity sensor damaged Send the printer to the repair center.

987	A	Ink Purge Error After Power On	
		<p>This error may occur the first time after the printer is turned on after ink has been purged from the ink tanks for moving to a new location.</p> <p>Note: Before the printer is moved, ink should be purged from the ink tanks. (➡5.1.5)</p>	<ul style="list-style-type: none"> Turn the printer off. Remove and re-insert each ink cartridge. Turn the printer on.

990	A	Sub Tank Full Feeler Position Error	
		The feeler sensor for the sub tank is out of position.	<ul style="list-style-type: none"> Defective feeler Send the printer to the repair center.

992	A	Waste Tank Full Error	
		At power on, the printer detected that the waste tank was full.	<ul style="list-style-type: none"> • Check the waste tank full sensor connection. • Replace the ink full waste tank.

993	A	Charge Leak	
		At power on or during a print job, a leak detection signal was detected. The signal was triggered by the accumulation of condensation or ink spillage onto the transport belt.	<ul style="list-style-type: none"> • Clean the transport belt. • Replace the high voltage power supply unit.

994	B	Vertical Motor Error	
		The vertical encoder input signal was judged to be abnormal when the vertical motor was operating.	<ul style="list-style-type: none"> • Send the printer to the repair center.

996	A	No Input Signal from the Horizontal Encoder	
		No input signal from the horizontal encoder was detected during operation of the horizontal motor.	<ul style="list-style-type: none"> • Horizontal encoder defective • Horizontal encoder sensor defective. • Send the printer to the repair center.

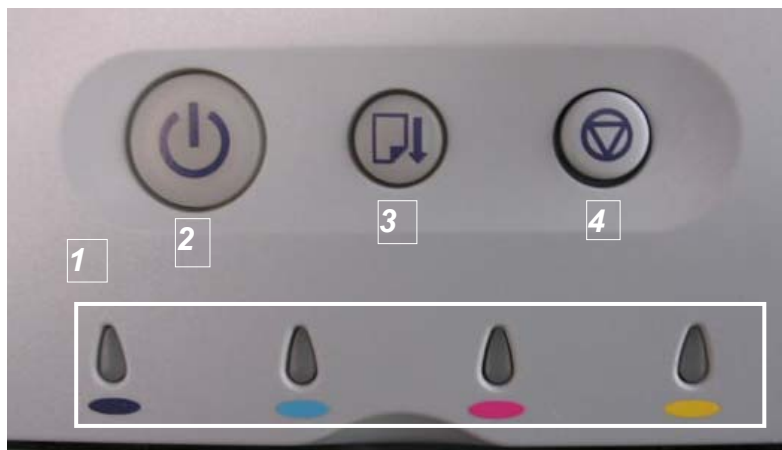
997	A	Input Signal from the Horizontal Encoder Abnormal	
		When the carriage moved to the right, the carriage did not stop at the HP. Or, the carriage scan check failed.	<ul style="list-style-type: none"> • Horizontal encoder defective • Horizontal encoder sensor defective. • Send the printer to the repair center.

999	A	Maintenance Motor Out of HP	
		The maintenance motor HP sensor failed to detect the motor at the home position.	<ul style="list-style-type: none"> • Maintenance motor on the maintenance unit defective • Maintenance motor HP sensor defective • Replace the maintenance unit

5. SERVICE INFORMATION

5.1 OPERATION PANEL FUNCTIONS












J001/J003 Manual Reference	5.1 Operation Panel Functions
Comment	Only the shapes of the keys on the operation panel have changed. The operation of these keys is the same as with the previous models.



P2W-OPANEL1.BMP

- 1 Ink Level LEDs (K, C, M, Y)
- 2 [Power] Key
- 3 [Paper Feed] Key
- 4 [Cancel] Key

5.1.1 MAIN FUNCTIONS

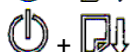
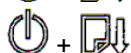
Function	Printer Status	Keys	Comment
Power On/Off	---		To power on, press and hold down the [Power] key for at least 1 sec.
Test Print (Sample)	Off * ¹	 +  + 	Press and hold down [Cancel] and [Paper Feed], and then press [Power] and hold for at least 3 sec. until the low ink indicators light red then release.
Cancel/Restart Job	On		After removing the cause of the error, press [Paper Feed] to restart the print job.
Manual Feed	On		When the software application prompts you to manual feed, load 1 sheet in the bypass tray and press [Paper Feed].
Feed 1 Cleaning	Off	 + 	To feed 1 blank sheet through the paper feed path for cleaning, press and hold at least 3 sec. until the ink level LEDs light red then release.
Clean Print Heads (All)	On		To execute Normal cleaning of all four print heads, press and hold for 3 sec. and release when the [Power] key starts flashing.
Nozzle Check Pattern	Off	 + 	Press and hold for at least 3 sec. until the ink level LEDs light red then release.

*¹ After pressing the [Power] key to turn the printer off, always wait for the [Power] key to stop flashing.

5.1.2 TO SELECT USB 1.1

You cannot use USB 2.0 in this mode.

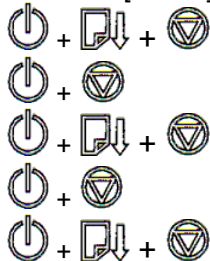
1. Press the [Power] key to switch the printer off, then press these keys*



5.1.3 TO SELECT USB AUTO SELECT MODE

You can use either USB 1.1 or USB 2.0 in this mode.

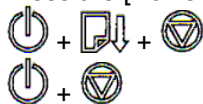
1. Press the [Power] key to switch the printer off, then press these keys:



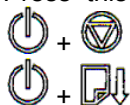
5.1.4 TO FEED 3 CLEAN SHEETS

This removes condensation from the transport belt.

1. Press the [Power] key to switch the printer off, then press these keys:

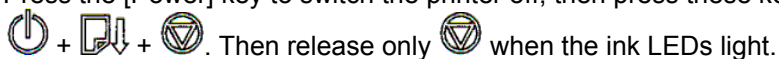


2. Press this key sequence 5 times:



5.1.5 TO PREPARE THE PRINTER FOR TRANSPORT

1. Press the [Power] key to switch the printer off, then press these keys:



2. Press and hold [USB 2.0] + [USB 1.1], press [USB 2.0] 8 times then wait for the [Power] key to go off.

6. DETAILS

6.1 PRINT CARTRIDGES

J001/J003 Manual Reference	6.4.2 Print Cartridges
Comment	The ink of the J006 shares the same characteristics (pigment inks) as those of the previous models. However, J006 cartridges are available in two sizes only, not three, and the capacity of the cartridges has been increased. Further, each J006 print cartridge is equipped with its own ID chip.

J006 Print Cartridges



P2W-6-6A.BMP

There is a separate Print cartridge for each color (Y, M, C, K). Each Print cartridge is vacuum packed [A]. Print cartridges [B] are available in two sizes.

Type	Color	Amount
Large	K	62 ml
	C, M	50 ml
	Y	42 ml
Small * ¹	K	24 ml
	C, M, Y	20 ml

*¹ The "Starter" cartridges provided with the printer for installation.

An ID chip [C] is attached to the back of each ink cartridge. This chip performs the following functions:

- Each chip monitors the amount of ink remaining in its cartridge. This improves the accuracy of monitoring the ink supply level because information about each cartridge can now be displayed up to 5 levels.
- The chip also detects and reports whether each cartridge is mounted correctly. The individual display precisely indicates which cartridge needs attention.
- The chips also store the manufacturing code number, the date the cartridge was first installed.

6.2 PRINT CARTRIDGE SET DETECTION

J001/J003 Manual Reference	6.4.3 Print Cartridge Set Sensor
Comment	New Features



P2W-6-7.BMP

The ID chips attached to the back of each ink cartridge not only store important information about each cartridge (as described in the previous section) but also perform the functions of print cartridge set sensors.

Each print cartridge has an ID chip. The machine can detect precisely which print cartridge is missing or set improperly and issue a prompt to correct the problem. This improves the precision of troubleshooting.

Because the micro switches of the J001/J003 were connected in series, the operator did not know precisely which print cartridges were missing or improperly set when a problem occurred.

6.3 WASTE INK TANK FULL SENSOR

J001/J003 Manual Reference	6.5.4 Waste Ink Tank Full Sensor
Comment	The capacity of the larger waste ink tank has increased .



G707D928.BMP

The approximate capacity of the waste tanks are compared below. A prompt shows the printer needs maintenance when this sensor detects the near-full condition.

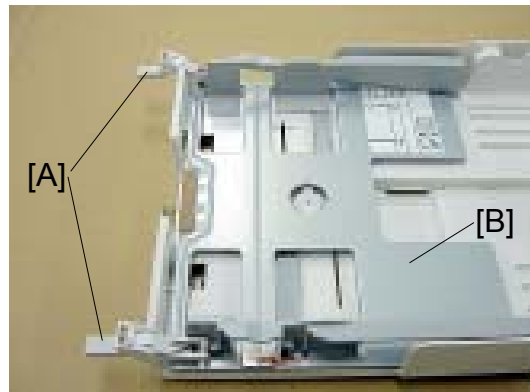
Important: These totals approximate estimates and may differ significantly due to the amount of printed coverage on each page of routine print jobs.

Model	Waste Ink Tank Capacity		Approximate Capacity After Near-Full Alert
	Pages	Ink Amount (ml)	
J001	1400	176 ml	100
J003	2600	354 ml	200
J006	3800	620 ml	150

NOTE: These are numbers are rough estimates. Fewer pages get printed if many normal and full print head cleanings are done after the maintenance alert.

6.4 CASSETTE LOCK/RELEASE

J001/J003 Manual Reference	6.7.2 Cassette Lock/Release
Comment	The paper cassette lock/release mechanisms of the paper cassettes have been simplified.



P2W-6-15.BMP

Cassette arms [A] on both sides of the cassette are guided into rails when the paper cassette [B] is pushed into the printer. The rails raise the arms to the correct height for paper feed.

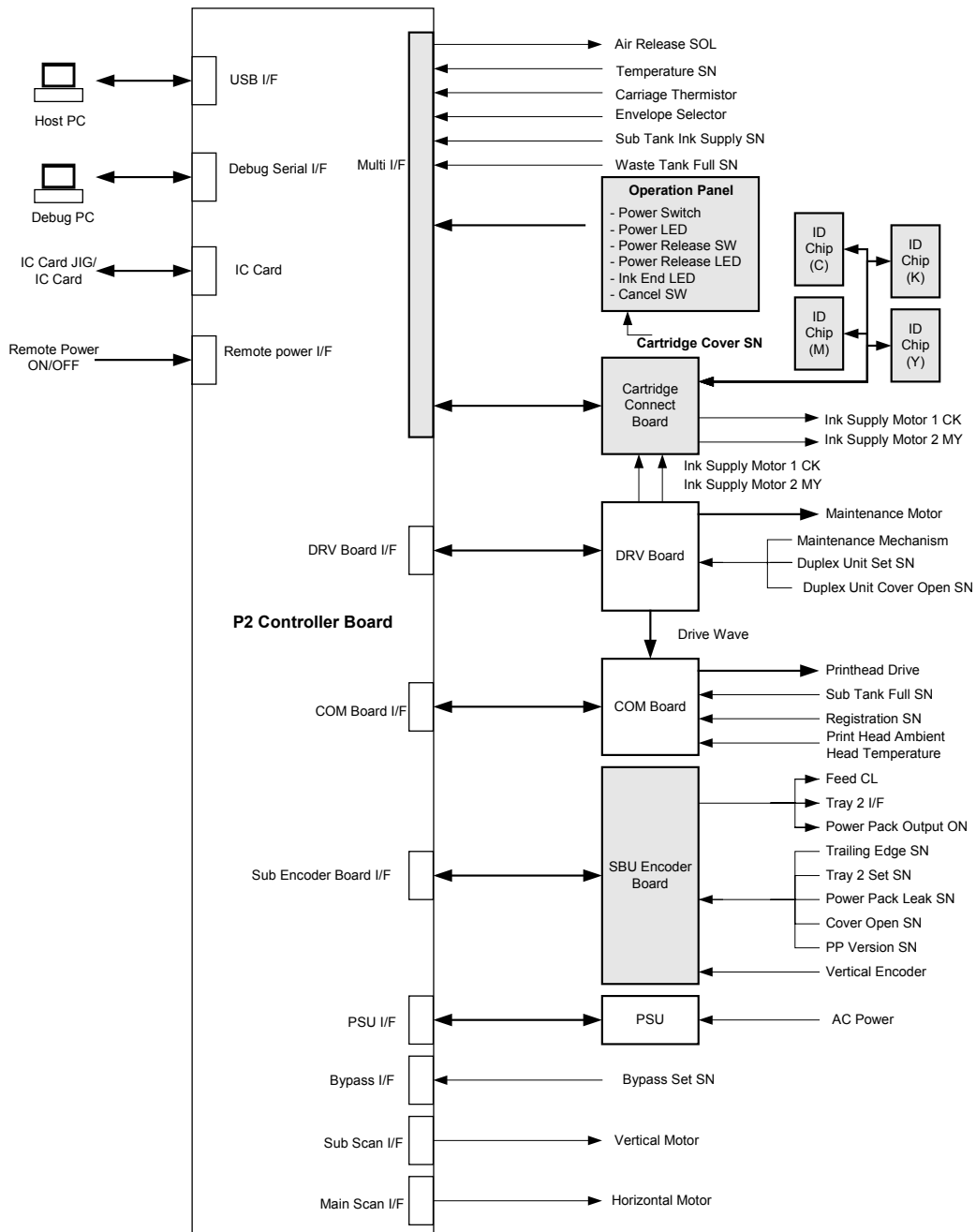
The release lever and release arm of the previous models have been eliminated.

6.5 ELECTRICAL COMPONENTS

6.5.1 MAIN BOARDS

J001/J003 Manual Reference	6.8.1 Main Boards
Comment	Board layout has changed.

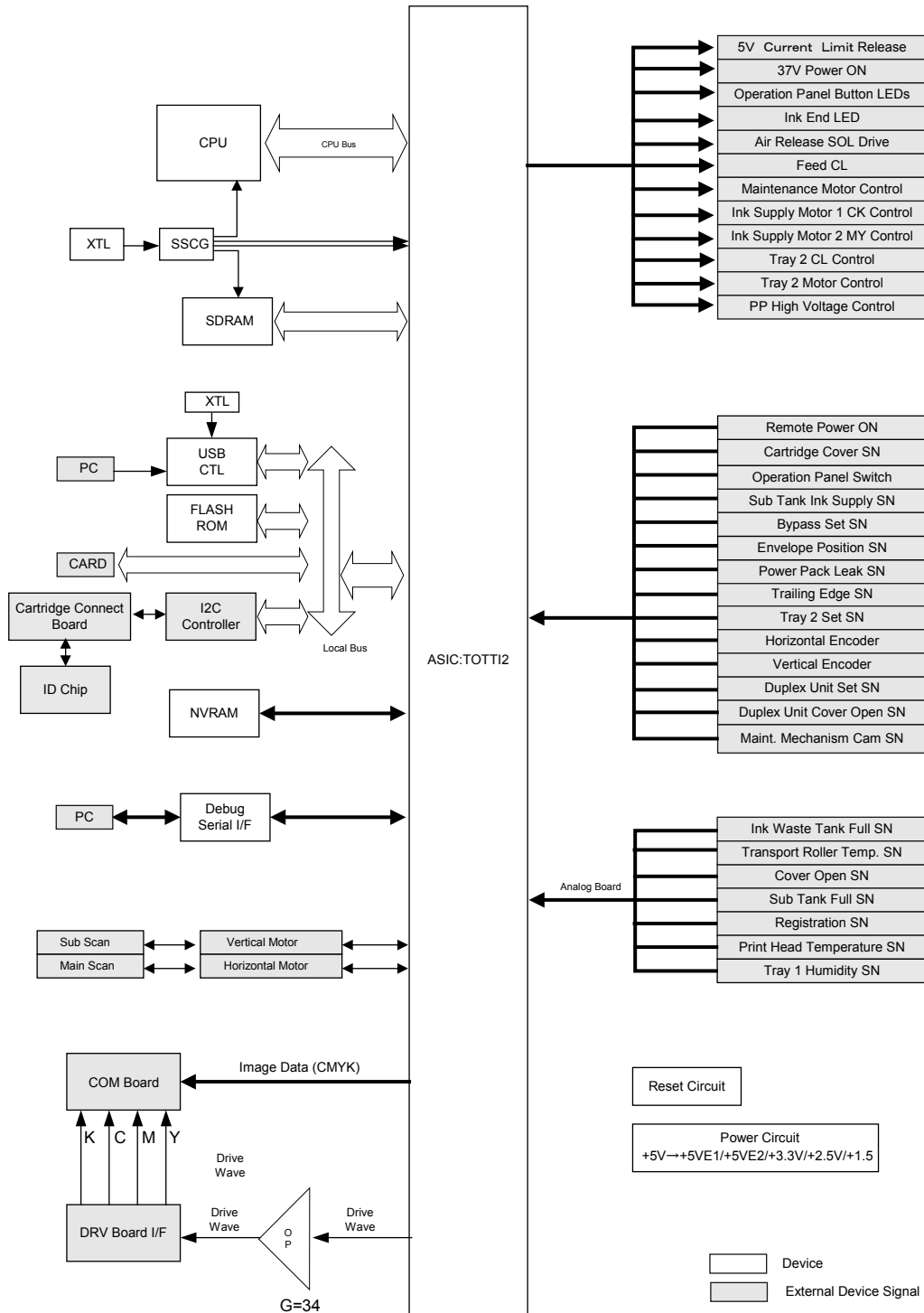
J006 Boards	J001/J003	Main Function
Control Board	Common	The main board that interfaces with the host computer, standard paper tray, and optional paper tray to provide all the printer features provided by the printer driver.
Operation Panel Board	Common	The operation panel connects to the Multi I/F.
Cartridge Connect Board	New	This is a new board that interfaces between the four new ID chips (Y, M, C, K) and the controller board.
DRV Board	Common	The DRV Board contains these important components and functions: <ul style="list-style-type: none"> • Phase control for the print head drive • Ink supply motor driver • Maintenance stepper motor driver • Sensor signal detection.
COM Board	Common	The COM Board contains these important components and functions: <ul style="list-style-type: none"> • Carriage horizontal position detection • Paper leading edge, horizontal width detection • Temperature detection of the area near the print heads • Waste ink tank full detection • Recognizes the printer type (J001/J003) • Print head control
Sub Encoder Board	Common	Contains these important components and functions: <ul style="list-style-type: none"> • Controls sub scan detection position • Provides high-voltage power I/F • Provides power I/F for optional tray • Contains driver for the paper feed clutch • Provides I/F for sensors
PSU	Common	Controls power supply to the printer. The vertical motor and horizontal motor connect directly to the Sub Scan I/F and Main Scan I/F, not directly to the PSU as in the previous models.



P2W-6-19.WMF

6.5.2 CONTROL BOARD

J001/J003 Manual Reference	6.8.2 Control Board
Comment	The J006 has a new control board.

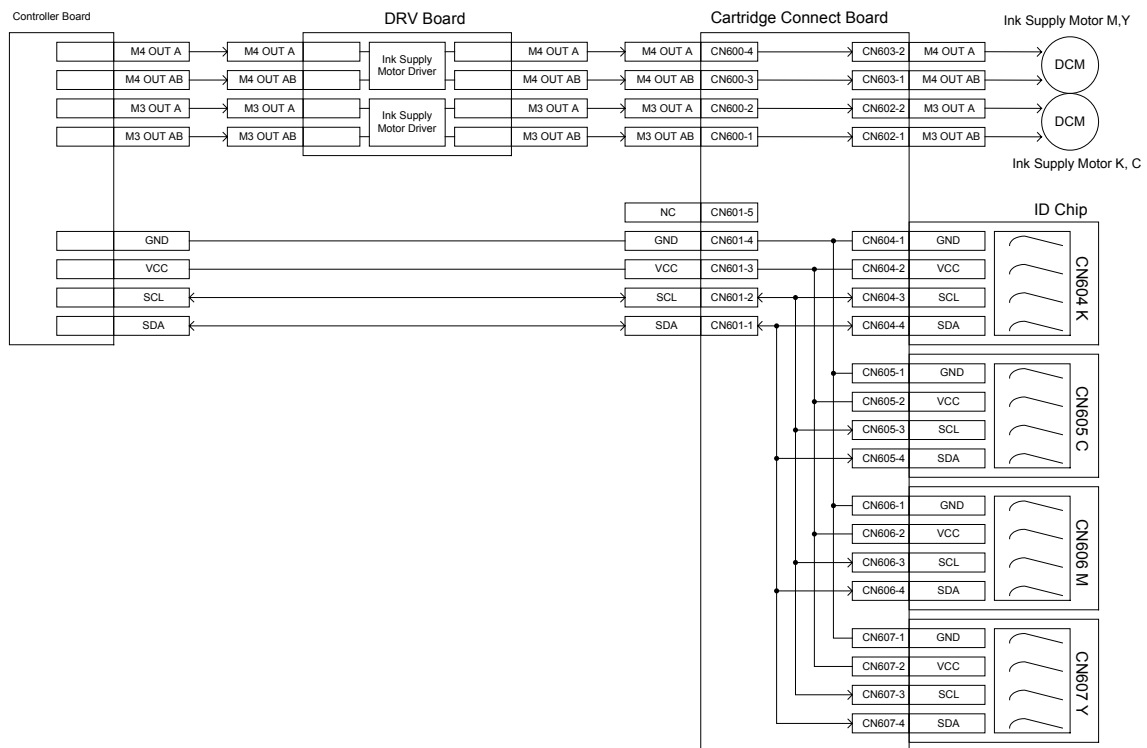


P2W-6-21.WMF

6.5.3 INK CARTRIDGE BOARD

J001/J003 Manual Reference	None
Comment	This is a new board, provided in the J006 only.

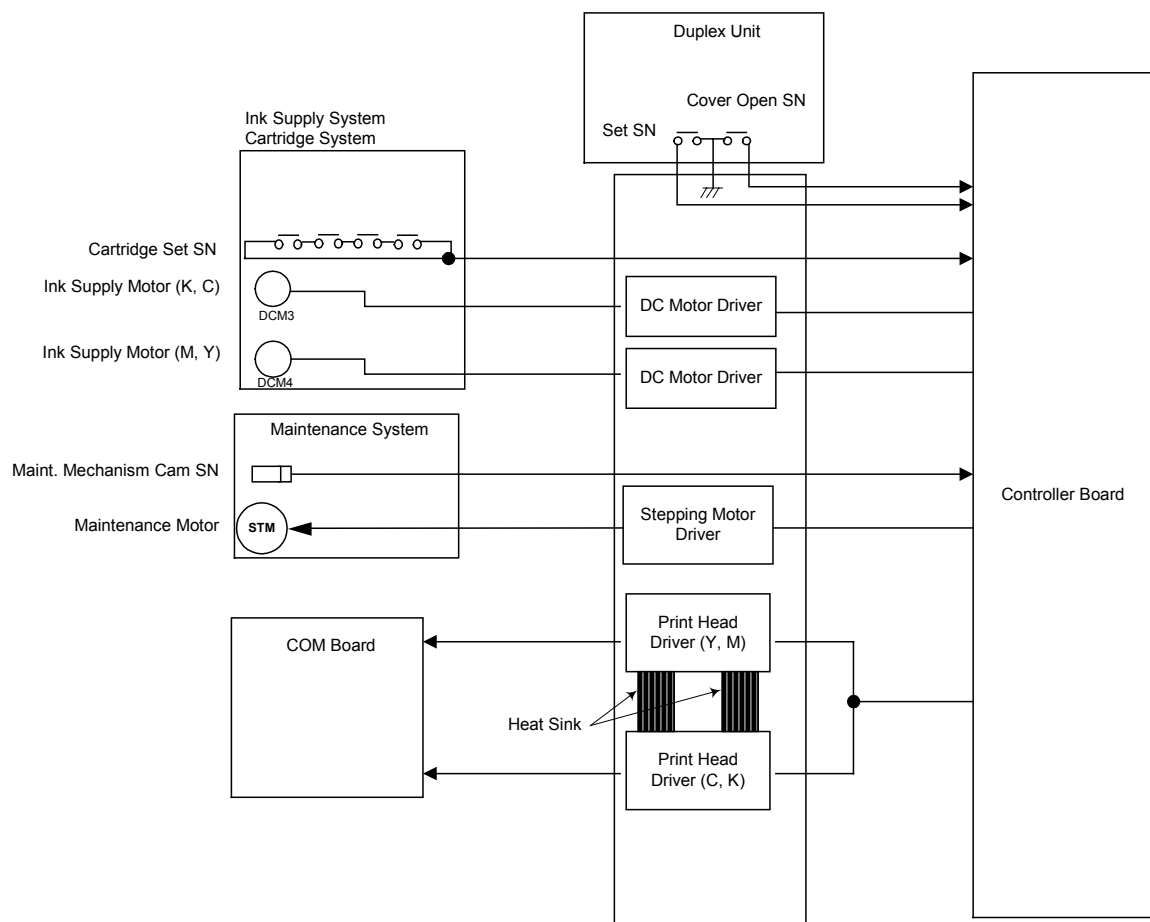
The ink cartridge board relays the signals of the ink supply motor and the ID chips of the ink cartridges.



P2W-6-23.WMF

6.5.4 DRV BOARD

J001/J003 Manual Reference	6.8.3 DRV Board
Comment	A few minor changes.



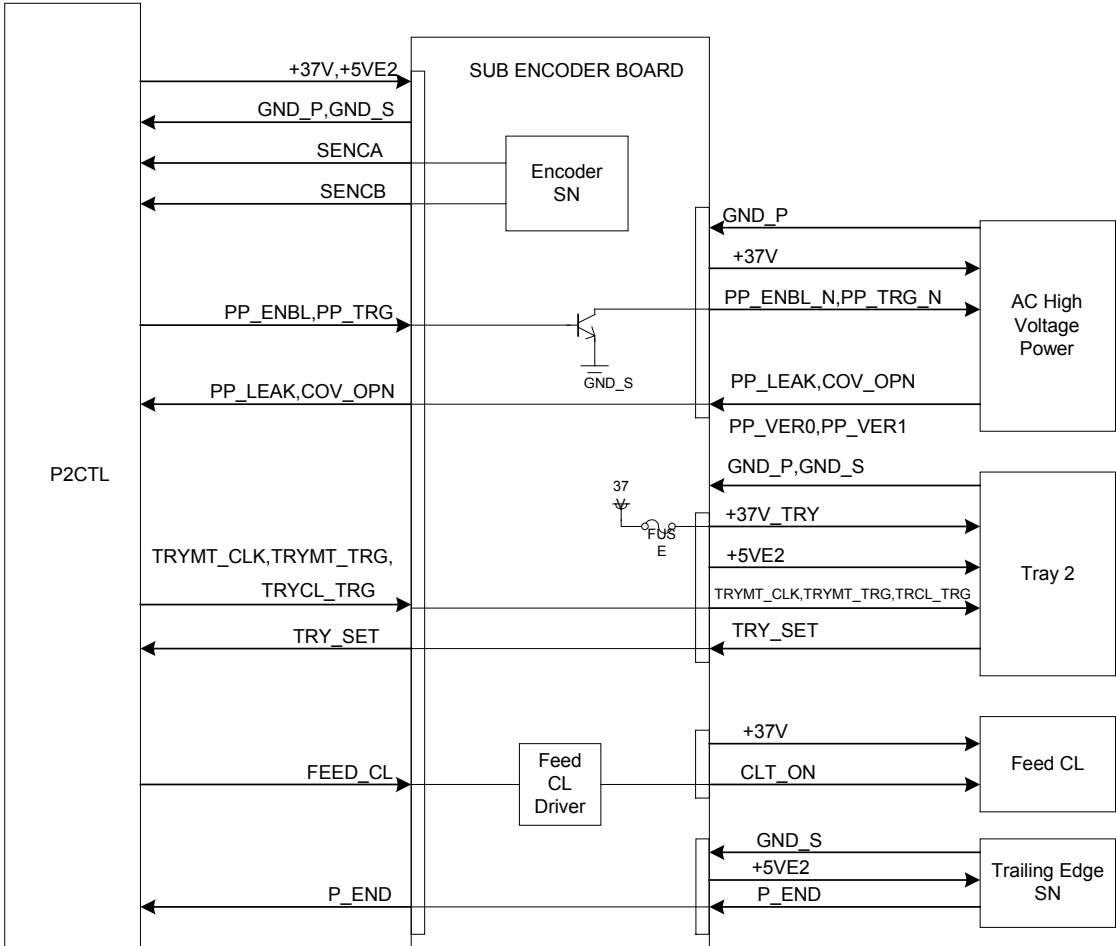
P2W-6-25.WMF

The DRV Board contains these important components and functions:

- Phase control for the print head drive
- Ink supply motor driver
- Maintenance stepper motor driver
- Sensor signal detection.

6.5.5 SUB ENCODER (DC RELAY) BOARD

J001/J003 Manual Reference	6.8.5 DC Relay Board
Comment	A few minor changes.



P2W-6-26.WMF

6.5.6 CONNECTOR LIST

J001/J003 Manual Reference	6.8.7 Connector List
Comment	There are some changes in the arrangement of connectors. New or changed connectors are shaded light gray in the tables below.

Control Board

Connector No.	Connects To:
CN100	Air Release SOL
	Air SN
	Waste Ink Tank Full SN
CN101	DRV Board I/F
CN102	Relay Board I/F
CN103	PSU I/F
CN104	Operation Panel I/F
CN105	USB I/F
CN106	--- Not Used ---
CN107	COM Board I/F

DRV Board

Connector No.	Connects To:
CN200	Control Board I/F
CN201	Maintenance Motor
CN202	Ink Supply Motor
	Cartridge Reset
	Maintenance Motor HP
CN203	--- Note Used ---
CN204	Print Head Drive
CN205	Humidity SN

COM Board

Connector No.	Connects To:
CN1	Print Head 1 (Odd) I/F
CN2	Print Head 1 (Even) I/F
CN3	Print Head 2 (Odd) I/F
CN4	Print Head 2 (Even) I/F
CN5	Print Head 3 (Odd) I/F
CN6	Print Head 3 (Even) I/F
CN7	Print Head 4 (Odd) I/F
CN8	Print Head 4 (Even) I/F
CN9	Waste Ink Tank Full Sensor
CN10	Registration Sensor
CN11	Control Board I/F
CN12	Control Board I/F

Sub Encoder (DC Relay) Board

Connector No.	Connects To:
CN300	Control Board I/F
CN301	High Voltage Power Supply
	Cover OPEN
CN302	Trailing Edge Sensor
CN303	Tray 2 (500-Sheet Paper Tray)
CN304	Feed CL

PSU

Connector No.	Connects To:
CN1	AC Input
CN2	37V, 5.1 V Power Supply
CN3	Control Board I/F
CN4	Horizontal Motor
CN5	Vertical Motor

Cartridge Connector Board***These are new connection points for the ink supply***

Connector No.	Connects To:
CN600	Control Board I/F
CN601	Control Board I/F
CN602	Ink Supply Motor (C, K)
CN603	Ink Supply Motor (Y, M)
CN604	Ink Cartridge (K)
CN605	Ink Cartridge (C)
CN606	Ink Cartridge (M)
CN607	Ink Cartridge (Y)

7. SPECIFICATIONS

7.1 PRINTER ENGINE BASE SPECIFICATIONS

Configuration	Desktop
Printing Method	On-Demand Ink Printing
Paper Transport	Belt System
Delivery	Face-up
Ink Supply Method	Zero Waste Dual Tank Method
Ink (Y, M, C, K)	High Viscosity, Fast Drying, Pigment Ink

Print Heads

	J001	J003	J006
Number of Heads	2 Heads (4-Color)	4 Heads (4-Color)	4 Heads (4-Color)
Lines/Head	2 Lines/Head	2 Lines/Head	2 Lines/Head
Nozzles	192 Nozzles/Line	192 Nozzles/Line	192 Nozzles/Line
Nozzle Pitch	0.169 mm (150 dpi)	0.169 mm (150 dpi)	0.169 mm (150 dpi)

Resolution

Range: 150 to 3600 dpi
Maximum: 3600 x 1200 dpi

	Paper	Mode (Driver)	Resolution	Bi-Directional (Yes/No)
Defaults	Normal	High Speed (Draft)	300 x 300	Yes/1 Pass
		Std. (Speed Priority)	300 x 300	See "Note"
		Std. (Quality Priority)	600 x 600	Yes/1 Pass
		High Quality	600 x 600	No/2 Passes
	Special	Std. (Quality Priority)	600 x 600	No/2 Passes
		High Quality	600 x 600	No/4 Passes
	Semi-gloss	High Quality	1200 x 1200	No/4 Passes
	OHP	High Quality	600 x 600	No/4 Passes
User Settings	Normal	High Speed (Draft)	150 x 150	Yes/1 Pass
	Special	High Speed (Draft)	600 x 600	Yes/1 Pass
	Semi-gloss	High Speed (Draft)	600 x 600	Yes/1 Pass
		Std. (Quality Priority)	600 x 600	No/4 Passes
	OHP	High Speed (Draft)	600 x 600	Yes/1 Pass
		Std. (Quality Priority)	600 x 600	No/2 Passes

Note: J001 Yes/1 Pass
J003 1st Color: Yes/1 Pass, Other Colors: No/1 Pass

Warm-up Time Less than 38 sec. after power on

First Print Time		J001	J003	J006
	Monochrome	< 7 sec.	< 6 sec.	< 6 sec.
	Color	< 10 sec.	< 9 sec.	< 9 sec.

Paper Size		
	J001, J003	J006
Standard Tray	A4-A6, LT, LG, Custom 90 x 148 mm to 216 x 356 mm	A3 to A6, LT, LG, Custom 90 x 139.7 mm to 305 x 431.8 mm
Bypass Tray ^{*1}	A4-A6, LT, LG, Custom 90 x 148 mm to 216 x 356 mm	A3-A6, LT, LG, 12"x18", Custom 90 x 139.7 mm to 305 mm to 1295.9 mm
Paper Tray Option	Option. J003 Only. A4, B5, LT, LG adjustable	Option. A4, B5, LT, LG adjustable

^{*1} J001 requires the optional duplexer unit for bypass feed because the top of the duplexer provides the paper support for bypass feed.

Paper Type ^{*1}		
	J001, J003	J006
Standard Tray, Bypass	Standard PPC, Recycled Paper, Tractor Feed, OHP, Glossy Paper, Envelopes	Standard PPC, Recycled Paper, Color Paper, OHP, Glossy Paper, Envelopes
	J003	J006
Paper Tray (Option)	Standard PPC, Recycled Paper, Color Paper	Standard PPC, Recycled Paper, Color Paper

^{*1} For more about types of paper recommended for use with these printers, contact the dealer or service center. Only recommended paper types are guaranteed for optimum performance.

Paper Weight	J001, J003, J006
Standard Tray	Plain 60-105 g/m ² (52-90 kg) (16-28 lb.)
Bypass Tray ^{*2}	Plain 60-163 g/m ² (52-135 kg) (16-42 lb.)
	J003, J006
Paper Tray (Option)	Plain 60-105 g/m ² (52-90 kg) (16-28 lb.)

^{*2} J001 requires the optional duplexer unit for bypass feed because the top of the duplexer provides the paper support for bypass feed.

Paper Feed Capacity			
Standard Tray	J001, J003, J006		
	Plain, Recycled	250 sheets 70 g/m ² (60 kg) (19 lb.)	
	Envelopes	30	
	OHP	1	
Bypass Tray * ³	1 sheet		
Paper Tray (Option)		J003	J006
	Plain	500 sheets 70 g/m ² (60 kg) (19 lb.)	500 sheets 80 g/m ² (70 kg) (21 lb.)
Custom Sizes	☛ 7.2		

^{*3} J001 requires the optional duplexer unit for bypass feed because the top of the duplexer provides the paper support for bypass feed.

Output Tray Capacity	J001, J003, J006
Plain Recycled:	150 sheets

Printing Area	J001, J003, J006	
Paper	Maximum	Top, Bottom, Left, Right: 3 mm margins
	Recommended	Top, Bottom, Left, Right: 4.2 mm margins
Envelopes	Maximum	Top: 8 mm Bottom: 38 mm Left, Right: 3 mm
	Recommended	Top: 8 mm Bottom: 38 mm Left, Right: 4.2 mm (1/6 in.)

Duplex Printing	J001	Duplex Unit - Optional
	J003, J006	Duplex Unit Standard
Power Supply	NA	100V ($\pm 10\%$), 50/60 Hz ($\pm 3\text{Hz}$)
	EU	220-240 V ($\pm 10\%$), 50/60 Hz ($\pm 3\text{Hz}$)

	J001	J003	J006
Power Consumption			
Energy Save Mode	Less than 6 W		
Normal Operation	Less than 27W	Less than 30W	Less than 35W
Standby	Approx. 8W	Approx. 8W	Approx. 9W
Power Switch Off	NA: < 0.2W EU: < 0.3W	NA: < 0.2W EU: < 0.3W	NA: < 0.2W EU: < 0.3W
Shift to Energy Save	15 min.		
Noise Emission			
Printing ^{*4}	Less than 45 dB	Less than 48 dB	Less than 49 dB
Standby	Less than 20 dB	Less than 20 dB	Less than 34 dB
Spurious Noise			
Printing ^{*4}	Less than 62 dB (A)	Less than 63 dB (A)	Less than 63 dB (A)
Standby	Less than 40 dB (A)	Less than 40 dB (A)	Less than 40 dB (A)

Dimensions	Standalone	With Duplexer	With Paper Tray
J001 (w x d x h)	403 x 440 x 218 mm 15.9 x 17.3 x 8.9 in.	403 x 469 x 218 mm 15.9 x 18.5 x 8.9 in.	---
J003 (w x d x h)	490 x 469 x 218 mm 19.3 x 18.5 x 8.9 in		490 x 469 x 328 mm 19.3 x 18.5 x 328 in.
J006 (w x d x h)	---	615 x 692 x 250 mm 24.2 x 27.3 x 9.8 in.	615 x 692 x 360 mm 24.2 x 27.3 x 9.8 in.

Weight	Standalone	With Duplexer	With Paper Tray
J001	9.8 kg (21.6 lb.)	10.6 kg (23.3 lb.)	---
J003	11 kg (24.2 lb.)		14.5 kg (31.9 lb.)
J006	14.2 kg (31.2 lb.)		19.2 kg (42.2 lb.)

Page Description Language	RPCS Raster Printer Driver		
Interface			
Standard	USB 2.0 Hi-Speed * ¹		
Options	100 Base-TX/10 Base-T, IEEE 802.11b		
Operating Systems	Windows 95 * ² , Windows 98, Windows Me, Windows NT 4.0 Windows 2000, Windows XP, Windows Server 2003		
Service Life	J001	5 Years or 75,000 sheets	
	J003	5 Years or 150,000 sheets	
	J006	5 Years or 150,000 sheets	
Environment			
Operating	Temperature: 10°C to 32°C (50°F-89.6°F) [°] Relative Humidity 15%-80% rH (no condensation) * ³		
Storage	Temperature: 0°C to 40°C (32°F-104°F) Relative Humidity 5%-80% rH (no condensation) * ³		
Generated Paper Dust	Less than 0.075 mg/m ³		

Notes:

- *¹ All operations are not guaranteed on compatible machines.
- *² When the printer is connected to a Windows 95, Windows NT 4.0 network.
- *³ Print quality may be poor until the printer adjusts to the room temperature and humidity at the time you bring the printer into a room with temperature and humidity not the same as its previous location.

These specifications are based on the measured performance of the printer connected to a system with the following configuration:

PC	Pentium 4 1.6 GHz, 256 MB of memory
OS	Windows XP Professional Edition
Paper	Plain Paper

7.2 J006 PAPER SPECIFICATIONS

	Feed	Size	Bypass	Main	Tray	Face-up	Duplex
Plain Paper							
A3	SEF	297 x 420 mm	Y	Y	N	Y	Y
A4	SEF	210 x 297 mm	Y	Y	Y	Y	Y
A4	LEF	297 x 210 mm	N	N	N	N	N
A5	SEF	148 x 210 mm	N	N	N	N	N
A5	LEF	210 x 148 mm	Y	Y	N	Y	Y
A6	SEF	105 x 148 mm	Y	Y	N	Y	Y
B4	SEF	257 x 364 mm	Y	Y	N	Y	Y
B5	SEF	182 x 257 mm	Y	Y	Y	Y	Y
B5	LEF	257 x 182 mm	N	N	N	N	N
B6	SEF	128 x 182 mm	N	N	N	N	N
A3 W	SEF	12" x 18"	Y	Y	N	Y	Y
DLT	SEF	11" x 17"	Y	Y	N	Y	Y
LT	SEF	8 1/2" x 11"	Y	Y	Y	Y	Y
LT	LEF	11" x 8 1/2"	N	N	N	N	N
LG	SEF	8 1/2" x 14"	Y	Y	Y	Y	Y
HLT	SEF	5 1/2" x 8 1/2"	N	N	N	N	N
HLT	LEF	8 1/2" x 5 1/2"	Y	Y	N	Y	Y
Executive	SEF	7 1/4" x 10 1/2"	Y	Y	Y	Y	Y
Executive	LEF	10 1/2" x 7 1/4"	N	N	N	N	N
F	SEF	8" x 13"	Y	Y	Y	Y	Y
Foolscap	SEF	8 1/2" x 13"	Y	Y	Y	Y	Y
Folio	SEF	8 1/4" x 13"	Y	Y	Y	Y	Y
8 Kai	SEF	267 x 390 mm	N	N	N	N	N
16 Kai	SEF	195 x 267 mm	Y	Y	Y	Y	Y
16 Kai	LEF	267 x 195 mm	N	N	N	N	N
Envelopes							
Com10	LEF	4 1/8" x 9 1/2"	Y	Y	N	Y	N
Monarch	LEF	3 7/8" x 7 1/2"	Y	Y	N	Y	N
C6	LEF	114 x 162 mm	Y	Y	N	Y	N
C5	LEF	162 x 229 mm	Y	Y	N	Y	N
Custom	Min	90-139.7 mm (3 1/2" x 5 1/2")	Y	Y	N	N	Y
		148-210 mm (5.9"x8.3")	Y	Y	Y	N	Y
	Max	305-1295.4 mm (12"x51")	Y	N	N	N	Y
		305-432 mm (12"x17")	Y	Y	N	N	Y
		216-356 (8 1/2" x 14")	Y	Y	Y	N	Y

Remarks:

Y	Yes - Supported
N	No - Not supported.

7.3 MAIN UNIT AND OPTION DESCRIPTIONS

Main Unit

Name	Type Code	Model Code	Comments
J001	509802	J001-17/27	Duplex Unit is an option.
J003	509800	J003-17/27	Duplex Unit is standard.
J006	509833	J006-17/27	A3 Model, Duplex Unit installed

External Options

Name	Type Code	Model Code	Comments
Duplex Unit J001	509803	J500-17	For J001 Printer
500-Sheet Paper Tray J003 (Tray 2)	509805	J502-17	For J003 Printer
500-Sheet Paper Tray J006 (Tray 2)	509834	J503-17	For J006 Printer

Network Options (Provided by SILEX)

Name	Type Code	Comments
PRICOM R9100U	509818	USB 1.1, LAN, 100Base TX, TCP, IPX
PRICOM-9500U2	509822	USB 1.1/USB 2.0 (2 ports), LAN, 100Base TX, TCP

Option Compatibility

Item		Model			Comments
		J006	J003	J001	
Paper Feed	500-Sheet Paper Tray J006 (Tray 2)	Yes	No	No	New tray for J006.
Paper Feed	500-Sheet Paper Tray J003 (Tray 2)	No	Yes	No	
Duplexing	Duplex Unit J001	---	---	Yes	Standard with J003
Networking	PRICOM R-9100U	Yes	Yes	Yes	USB Print Server (USB 1.1)
	PRICOM R-9500V2	Yes	Yes	Yes	USB Wireless Print Server (USB 1.1)

7.4 CONFIGURATION

J001/J003 Manual Reference	
Comment	

7.4.1 PRINTER

Main Unit with Standard Paper Tray

Standard Tray Capacity: 250 sheets



P2W-MAIN.BMP

Main Unit with Standard Paper Tray and Optional Paper Feed Unit

Standard Tray Capacity: 250 sheets

Paper Tray Capacity: 500 sheets



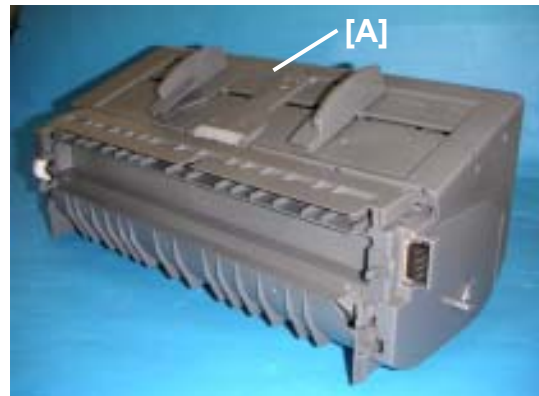
P2W-MAIN-TRAY2.BMP

J001/J003 and J006 Compared

Feature	J001/J003	J006
Paper Capacity	Max. 700	Max. 750
Paper Size	See 7.2 J006 Paper Specifications	
Ink cartridge yield	Y, M: 2,300	Y, M, C: 2,500
	C: 2,000	K: 3,200
	K: 2,900	
Ink supply monitoring	2 levels: 100% or 0%	5 levels: 100/75/50/25/0%
Black ink	Waterproof	Improved waterproof
ID chip on each ink cartridge	None	Yes

7.4.2 DUPLEXER

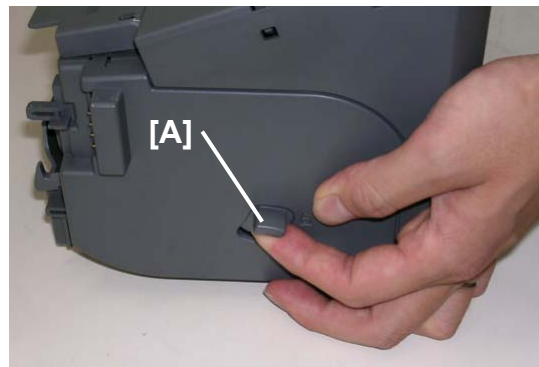
As with the J001/J003, the top of the duplex unit of the J006 also functions as the bypass tray [A].



P2W-7-1.BMP

The lock mechanism [A] of the duplex unit has been simplified.

Just raise on both ends to remove. The duplex unit locks automatically when it is installed in the printer.



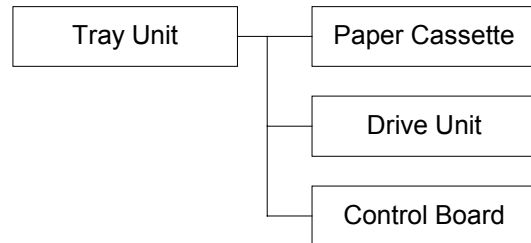
P2W-DUPLEXLOCK.BMP

7.4.3 PAPER TRAY (OPTION)

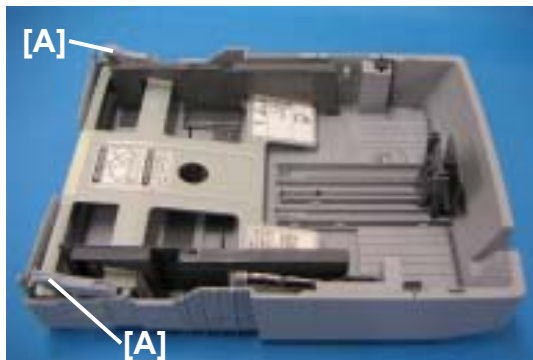


P2W-7-4.BMP

Paper Tray Components



PAPERTRAY.WMF



P2W-7-5.BMP

When the 500-sheet Paper Tray is pushed in the printer, the cassette arms [A] on both sides of the cassette are guided into rails. This raises the arms bottom plate to bring the paper stack to the correct height for paper feed.