

Reissued: 27-Oct-08

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391001a
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B1		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B1**.

Version	Program No.	Effective Date
0.23:08	D3915020B	Dec 2008 production
0.20	D3915020A	1st Mass production.
1.19		

Version	Modified Points or Symptom Corrected
0.23:08	<p>Note : <i>Where this firmware is to be used, ensure other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware.</i></p> <p>P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19 P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none"> <i>The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged.</i> <i>When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.</i>
0.20	1st Mass production.
1.19	

Reissued: 27-Oct-08

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391002a
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B2		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B2**.

Version	Program No.	Effective Date
<i>0.19:00</i>	<i>D3915070B</i>	<i>Dec 2008 production</i>
0.18 4.19	D3915070A	1st Mass production.

Version	Modified Points or Symptom Corrected
<i>0.19:00</i>	<p><i>Note :</i> <i>Where this firmware is to be used, ensure other firmware versions are as below (or newer).</i> <i>If firmware versions are not as indicated below, please update the firmware.</i></p> <p><i>P-Binder_B1 : D3915020B : Ver0.23</i> <i>P-Binder_B2 : D3915070B : Ver0.19</i> <i>P-Binder_B3 : D3915730A : Ver0.13</i> <i>P-Binder_B4 : D3915120A : Ver0.14</i> <i>P-Binder_B5 : D3915170A : Ver0.25</i></p> <p><i>Symptom Corrected:</i></p> <ul style="list-style-type: none"> <i>The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged.</i> <i>When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.</i>
0.18 4.19	1st Mass production.

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391003
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Subject: Firmware Release Note: P-Binder_B3		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B3**.

Version	Program No.	Effective Date
1.19	D3915730A	1st Mass production.

Version	Modified Points or Symptom Corrected
1.19	1st Mass production.

Reissued: 03-Aug-09

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391004a
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B4		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B4**.

Version	Program No.	Effective Date
0.150:00	D3915120B	September 2009 production
1.19	D3915120A	1st Mass production.

Version	Modified Points or Symptom Corrected
0.150:00	<p>Symptoms Corrected:</p> <ol style="list-style-type: none"> Machine stalls when a jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer. SC797-36 occurs when making a booklet using a 19.2 inch size cover. <p>Note : When applying this firmware, ensure the other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware.</p> <p>P-Binder_B1 :D3915020C :Ver0.28 P-Binder_B2 :D3915070B :Ver0.19 P-Binder_B3 :D3915730A :Ver0.13 P-Binder_B4 :D3915120B :Ver0.15 P-Binder_B5 :D3915170A :Ver0.25</p>
1.19	1st Mass production.

Reissued: 16-Sep-09

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391005a
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B5		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B5**.

Version	Program No.	Effective Date
<i>0.260:00</i>	<i>D3915170B</i>	<i>October 2009 production</i>
1.19	D3915170A	1st Mass production.

Version	Modified Points or Symptom Corrected
<i>0.260:00</i>	<i>Symptom Corrected:</i> - <i>Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.</i>
1.19	1st Mass production

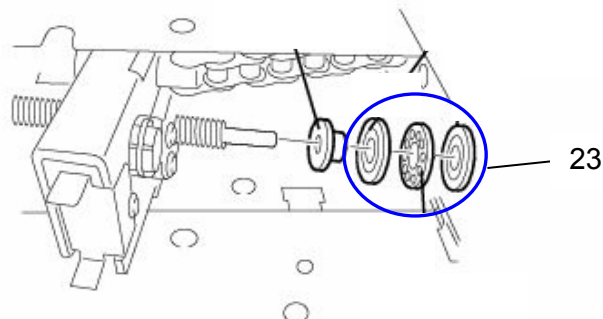
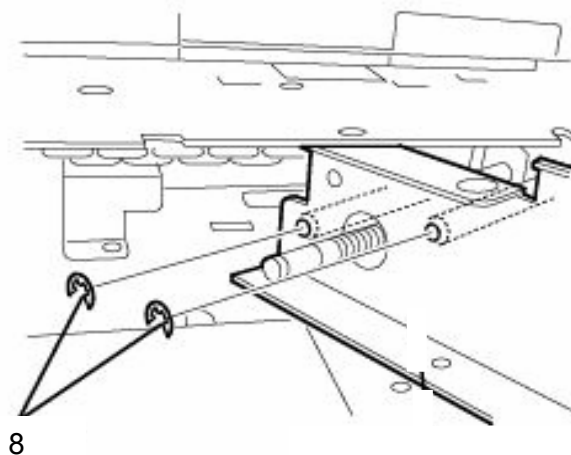
Model: Perfect Binder GB5000	Date:06-Apr-09	No.: RD391006
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Subject: STAY: Parts catalog correction		Prepared by: T. Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

New part number	Description	Q'ty	Int	Page	Index	Note
D3911150	Retaining Rings-E:DIA5:ER050SU-D	5→7	-	164	8	
D3911384	RADIAL BALL BEARING:THRUST:PF4140Q430A	1		164	23	Add

Change: Parts were added.

Reason: These parts were missing from the Parts Catalog.



D391R336.jpg

Model: Perfect Binder GB5000

Date:22-May-09

No.: RD391007

Subject: STAY: Parts catalog correction

Prepared by: T. Tadokoro

From: PPMC QA/Service Planning Dept.

Classification:

☐ Troubleshooting

☒ Part information

☐ Action required

☐ Mechanical

☐ Electrical

☐ Service manual revision

☐ Paper path

☐ Transmit/receive

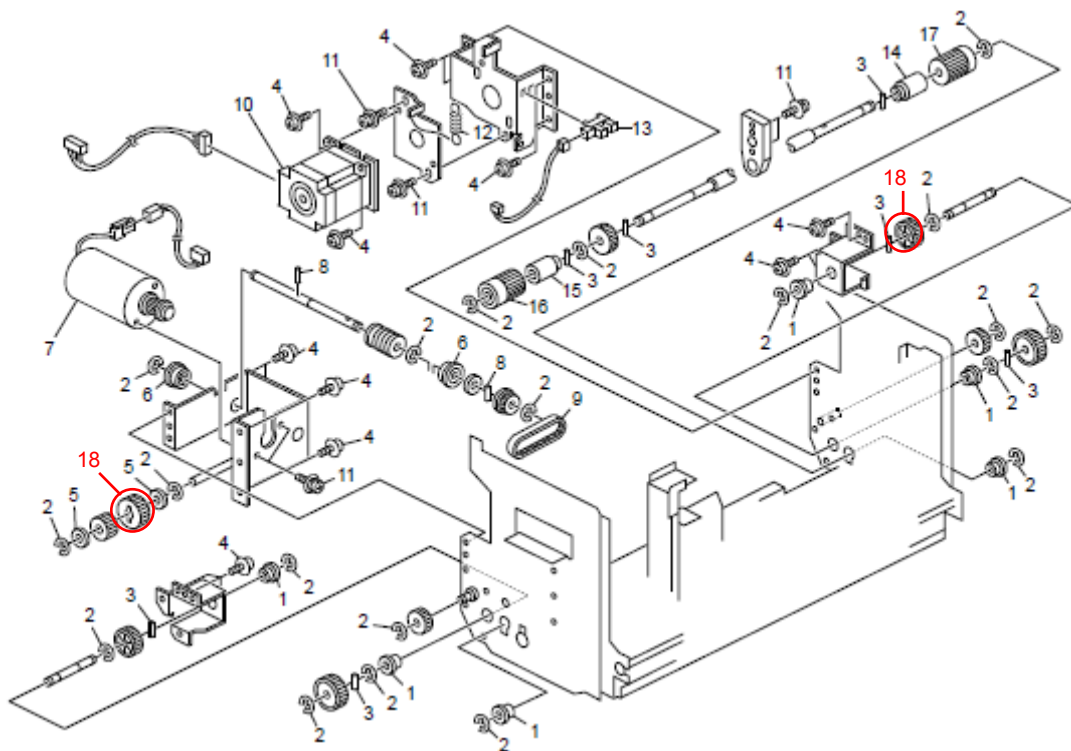
☐ Retrofit information

☐ Other ()

New part number	Description	Q'ty	Int	Page	Index	Note
D3911433	GEAR:30Z:PF4140P997A	2	-	78	18	Add

Change: Parts were added.

Reason: This part was missing from the Parts Catalog.

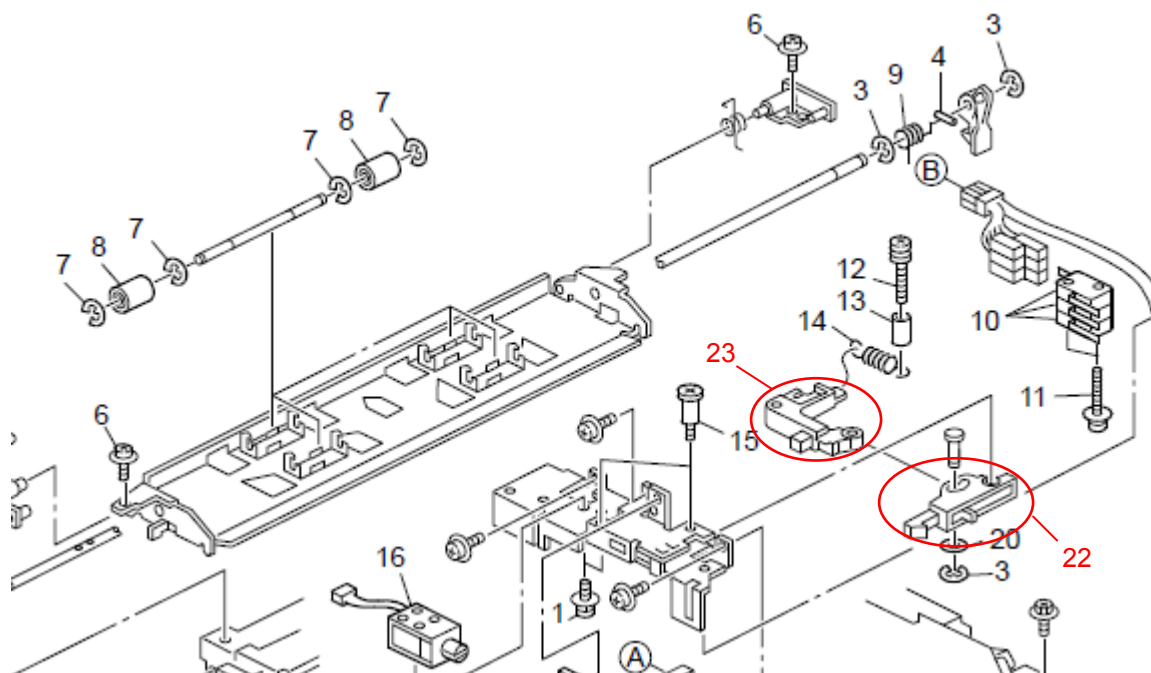


Model: Perfect Binder GB5000		Date: 22-Jun-09	No.: RD391008
Modified Article: Parts catalog correction		Prepared by: T. Tadokoro	
From: PPBG QA/Service Planning Dept.			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> Other
	<input type="checkbox"/> To facilitate assembly	<input type="checkbox"/> To improve reliability	<input type="checkbox"/> To meet standards
	<input type="checkbox"/> Part standardization	<input type="checkbox"/> Product Safety	()

New part number	Description	Q'ty	Int	Page	Index	Note
D3911438	LEVER:PF4140Q540	1	-	114	22	Add
D3911439	LINK:PF4140Q541	1	-	114	23	Add
D3911435	SPROCKET:PF4140Q166	1	-	164	24	Add
D3911436	SPACER:PF4140Q182	1	-	164	25	Add
D3911437	SHAFT:PF4140Q486	2	-	164	26	Add

Change: Parts were added.

Reason: These parts were missing from the Parts Catalog.



Model: Perfect Binder GB5000	Date:22-Jun-09	No.: RD391009
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Subject: STAY: Newly Registered Service Part		Prepared by: T. Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

The following parts have been registered as service parts.

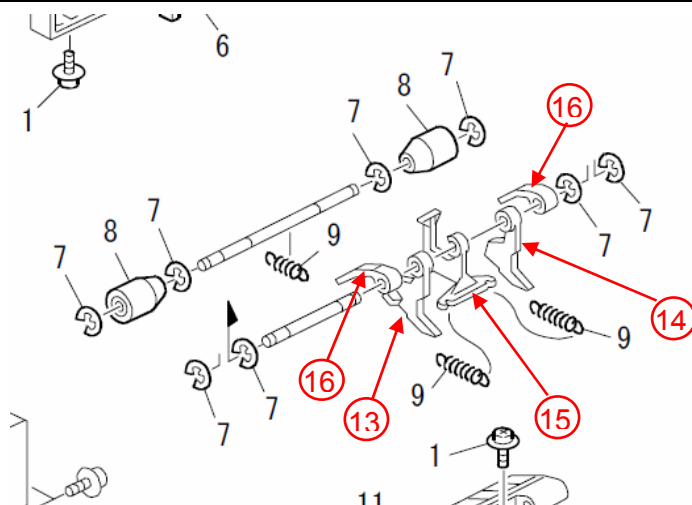
2.Exterior 2 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911442	CASTER:PF4140P902	4	-	4	13	Add
D3911443	HOLDER:CASTER:PF4140P903	4	-	4	14	Add
D3911444	BRACKET:CASTER:PF4155P096	4	-	4	15	Add



58.Cover Feed Path Section 2 (D391)

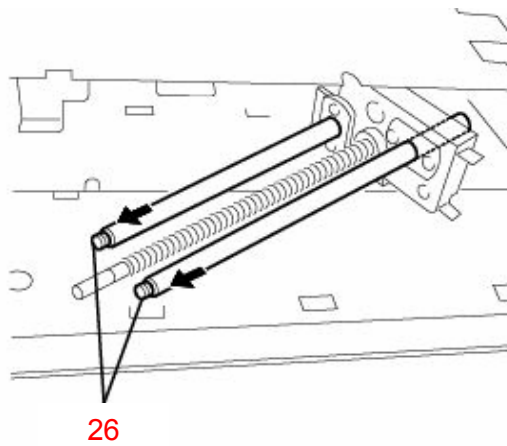
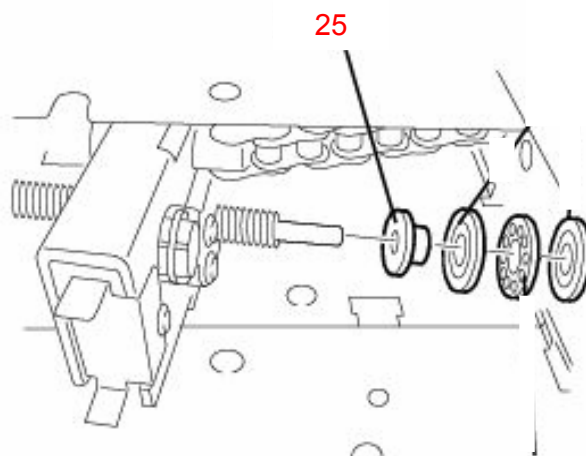
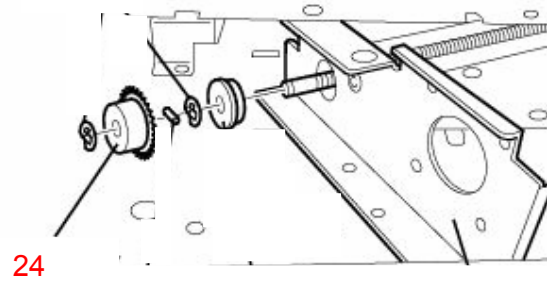
New part number	Description	Q'ty	Int	Page	Index	Note
D3911446	LEVER:FRONT:PF4140P649	1	-	116	13	Add
D3911447	LEVER:REAR:PF4140P650	1	-	116	14	Add
D3911448	LEVER:COIL SPRING:PF4140P659	1	-	116	15	Add
D3911449	LEVER:SHAFT:PF4140P660	2	-	116	16	Add



Model: Perfect Binder GB5000

Date: 22-Jun-09

No.: RD391008



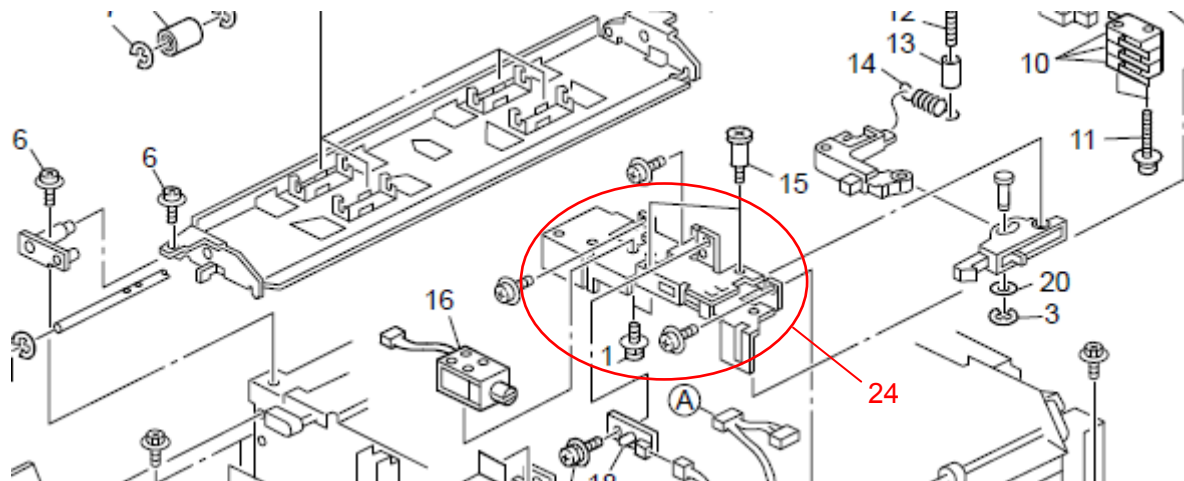
Model: Perfect Binder GB5000	Date:22-Jun-09	No.: RD391010
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Subject: STAY: Newly Registered Service Parts		Prepared by: T. Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

The following part has been registered as a service part.

57.Cover Feed Path Section 1 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911440	BRACKET:LOCK:SOLENOID:FRONT:PF4140Q 512	1	-	114	24	Add



Reissued: 26-Feb-10

Model: Perfect Binder GB5000	Date:22-Jul-09	No.: RD391011a
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RTB Reissue

This RTB has been reissued to correct a mistake found in the original bulletin.

Incorrect description: 57. Cover Feed Path Section 1 (D391)

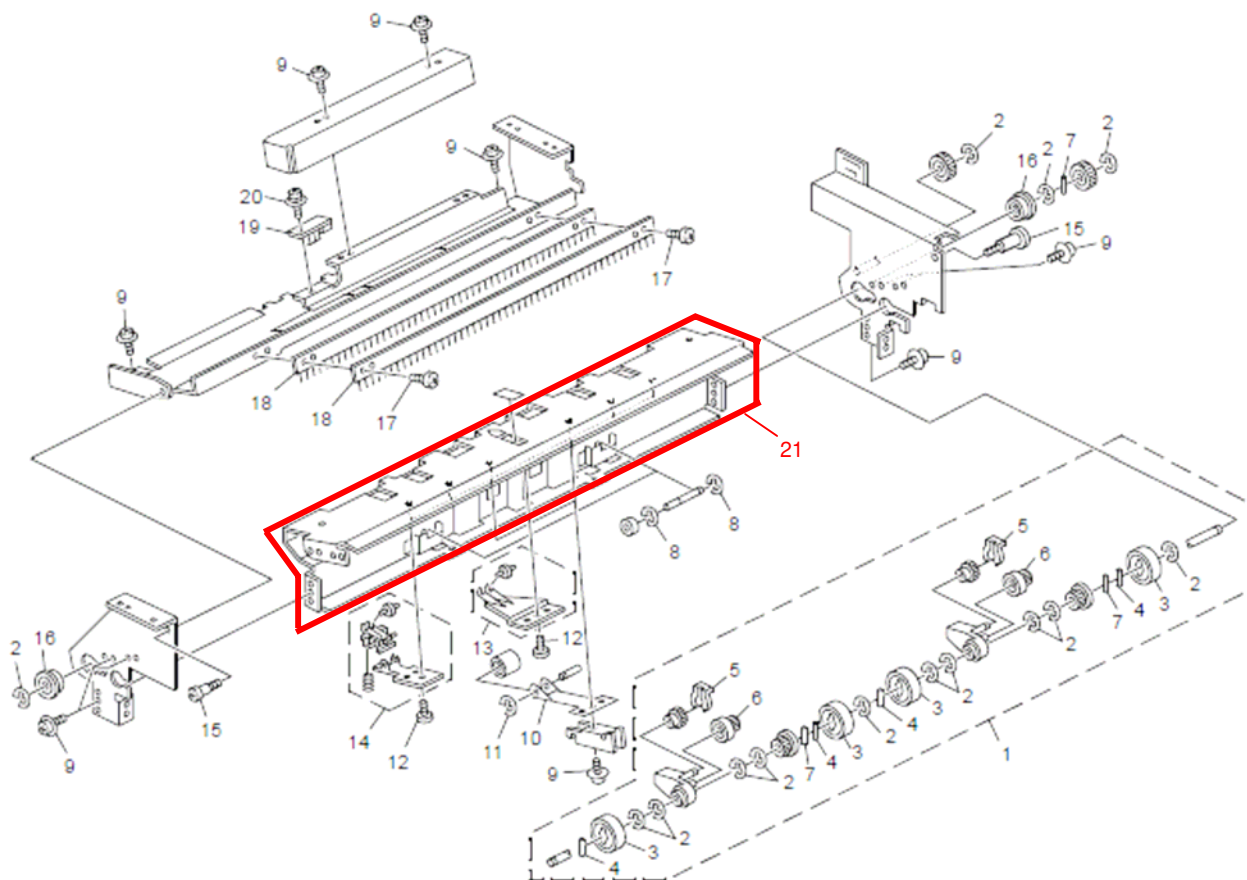
Correct description: 29. Signature Delivery Section 3 (D391)

Subject: STAY: Newly Registered Service Parts		Prepared by: T. Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

The following part has been registered as a service part.

57.Cover Feed Path Section 1 (D391) → 29. Signature Delivery Section 3 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911480	GUIDE PLATE:PAPER EXIT SUB-UNIT:MIDDLE:PF4140P232	1	-	58	21	Add



Reissued: 03-Aug-09

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391001b
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B1		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B1**.

Version	Program No.	Effective Date
<i>0.280:11</i>	<i>D3915020C</i>	<i>September 2009 production</i>
0.23:08	D3915020B	Dec 2008 production
0.20	D3915020A	1st Mass production.
1.19		

Version	Modified Points or Symptom Corrected
<i>0.280:11</i>	<p><i>Symptoms Corrected:</i></p> <ol style="list-style-type: none"> <i>1. Machine stalls when a jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer.</i> <i>2. SC797-36 occurs when making a booklet using a 19.2 inch size cover.</i> <p><i>Note:</i> <i>When applying this firmware, ensure the other firmware versions are as below (or newer).</i> <i>If firmware versions are not as indicated below, please update firmware.</i></p> <p><i>P-Binder_B1:D3915020C:Ver0.28</i> <i>P-Binder_B2:D3915070B:Ver0.19</i> <i>P-Binder_B3:D3915730A:Ver0.13</i> <i>P-Binder_B4:D3915120B:Ver0.15</i> <i>P-Binder_B5:D3915170A:Ver0.25</i></p>
0.23:08	<p>Note :</p> <p>Where this firmware is to be used, ensure other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware.</p> <p>P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19 P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25</p>

Reissued: 03-Aug-09

Model: Perfect Binder GB5000		Date: 20-June -08	No.: RD391001b
	Symptom Corrected: <ul style="list-style-type: none">• The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged.• When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.		
0.20 1.19	1st Mass production.		

Reissued:1-Sep-09

Model: Perfect Binder GB5000	Date:22-May-09	No.: RD391007a
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RTB Reissue

This RTB has been reissued due to the incorrect indication of the part in the previously issued version.

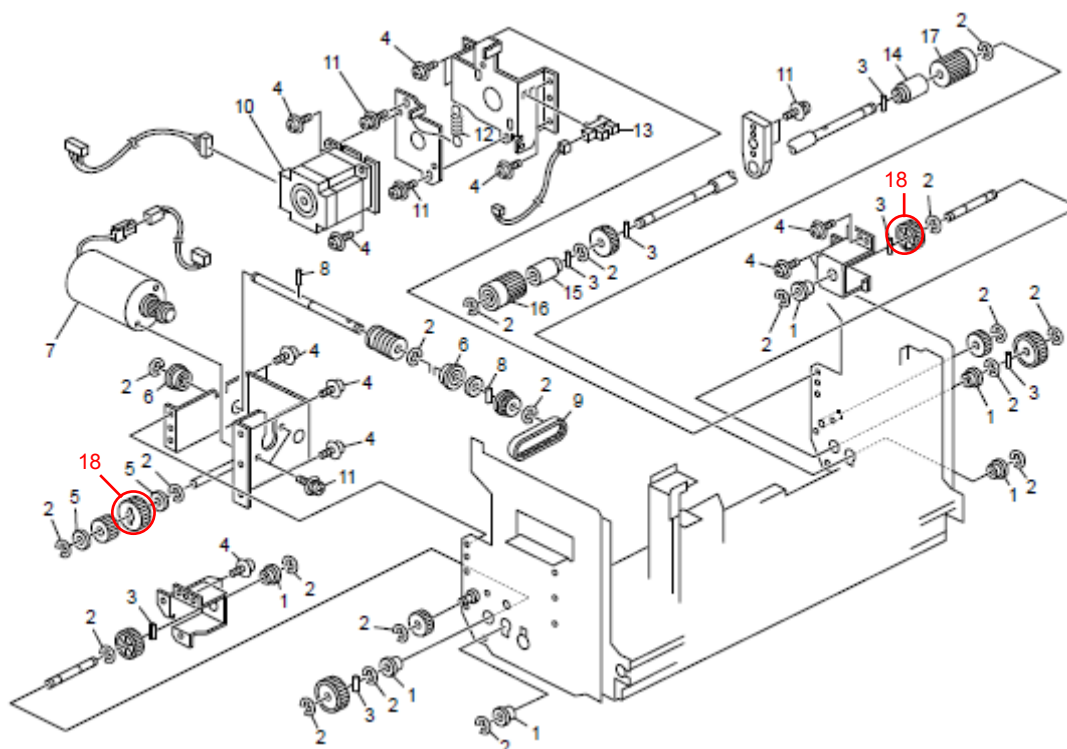
Subject: STAY: Parts catalog correction		Prepared by: T. Tadokoro	
From: PPMC QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other ()		

New part number	Description	Q'ty	Int	Page	Index	Note
D3911433	GEAR:30Z:PF4140P997A	2	-	78	18	Add

Change: Parts were added.

Reason: This part was missing from the Parts Catalog.

Incorrect:



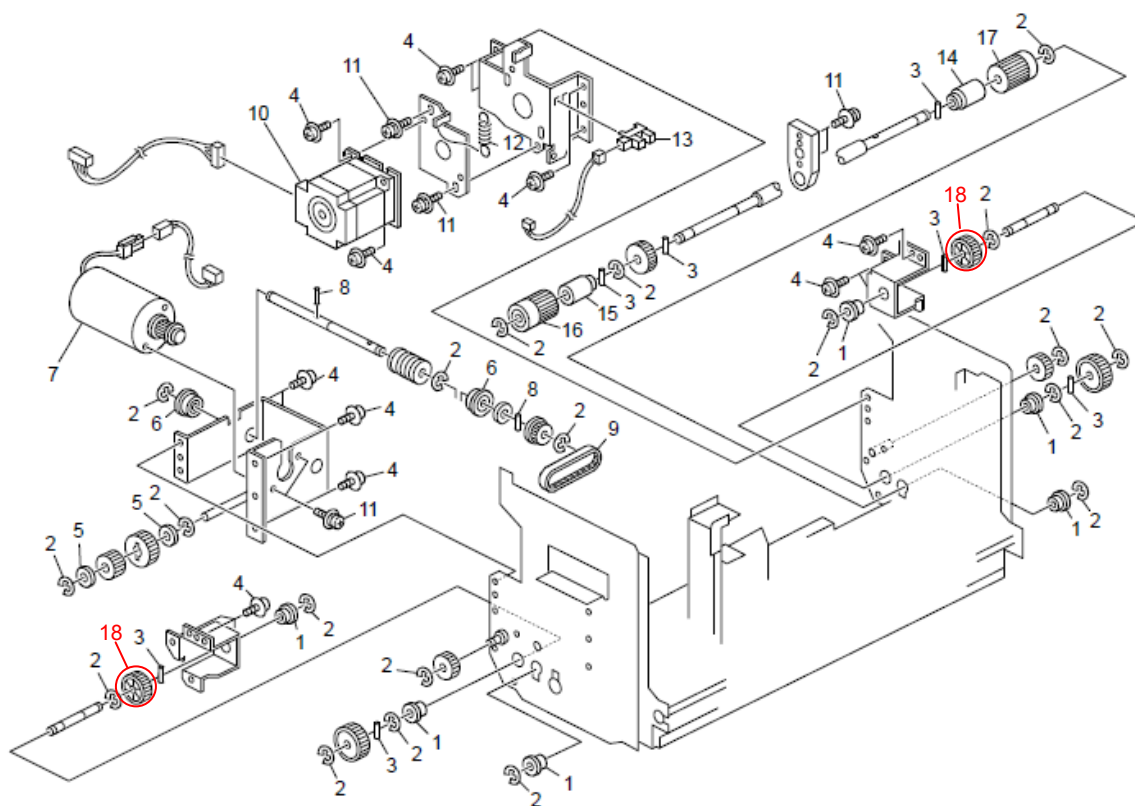
Reissued:1-Sep-09

Model: Perfect Binder GB5000

Date:22-May-09

No.: RD391007a

Correct:



Model: Perfect Binder GB5000		Date: 15 Sep-09	No.: RD391012
Subject: Service manual corrections - Perfect Binder		Prepared by: T. Tadokoro	
From: PPMC Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following 5 corrections (indicated in red) to your service manual.

Locations in the Service Manual

1. Replacement and Adjustment > Common Procedures > Trimming Unit > Step 6
2. Replacement and Adjustment > Common Procedures > Signature Thickness Sensor (S50) Recalibration > Step 10
3. Replacement and Adjustment > Common Procedures > Signature Thickness Sensor (S50) Recalibration > Step 13
4. Troubleshooting > Jams > Low Performance Mode > Canceling Low Performance Mode
5. Troubleshooting > Service Board Basics > Service Board LEDs

NOTE: This RTB replaces the entire section of “Service Board LEDs” (number “5” above).

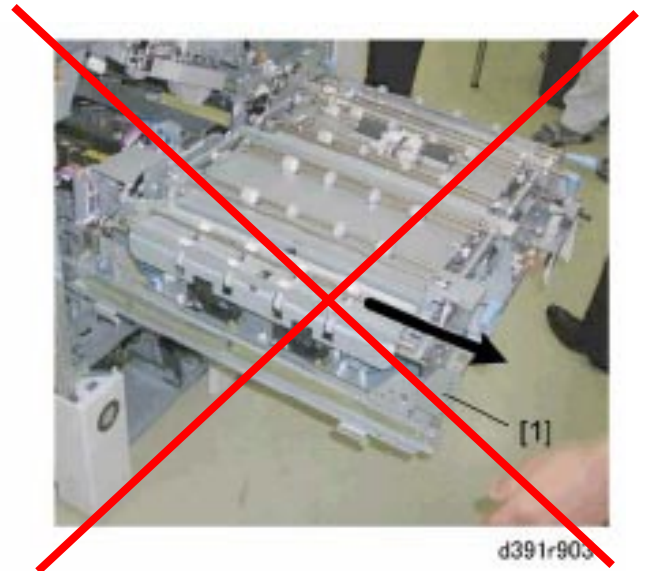
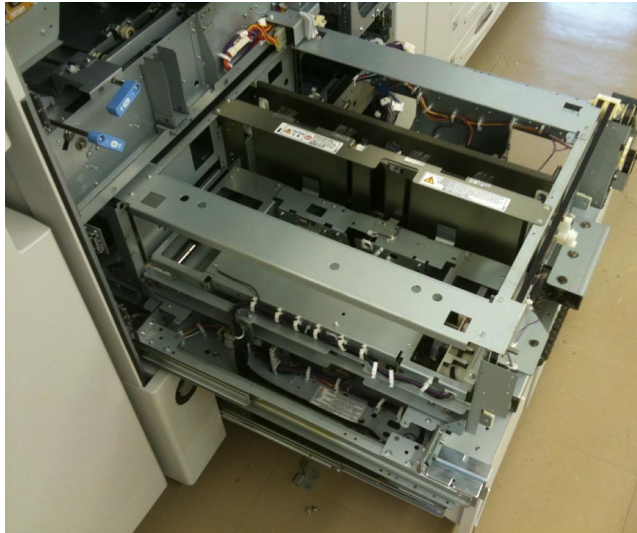
Model: Perfect Binder GB5000

Date: 15 Sep-09

No.: RD391012

Correction 1
Replacement and Adjustment > Common Procedures > Trimming Unit > Step 6

Please refer to the photograph below because the photograph of the wrong unit had been inserted in the manual.



5. Pull out the cover transport unit [1] on its rails.

Correction 2
Replacement and Adjustment > Common Procedures > Signature Thickness Sensor (S50) Recalibration > Step 10

10. Check the LED display to confirm that the minimum value has been set.

LED1: ON, LED2: OFF **ON**, LED3: OFF

Correction 3
Replacement and Adjustment > Common Procedures > Signature Thickness Sensor (S50) Recalibration > Step 13

13. Check the LED display to confirm that the maximum value has been set:

LED1: ON **FLASH**, LED2: ON **OFF**, LED3: ~~Flashes (1 sec. intervals)~~ **OFF**

Correction 4
Troubleshooting > Jams > Low Performance Mode > Canceling Low Performance Mode

Please disregard the 7 steps listed in this section. Instead, please replace with the following description:

See "Common Procedures > Setting and Releasing Low Performance Mode".

Correction 5

Troubleshooting > Service Board Basics > Service Board LEDs

Service Board Basics

This section describes use the Service Mode for the bookbinder and inserter.

The two banks of DIP switches on the Service Board (SW1, SW2) are used to set modes and do settings.

IMPORTANT

- The bookbinder enables a switch change on SW1 only after the system has been cycled off/on. The Service Board is located behind the left door near the front upper corner of the bookbinder (see below).
- The Service Board is located behind a protective cover held in place by one screw.
- The front door switches must be ON to set the machine in the Service Mode. This is done by opening the right and left front doors and inserting cardboard shims into the slots of the front door switches.



d391s901

- The SW1 bank [1] is used to switch between Service Mode and Normal Mode. This setting is not recognized until the machine has been cycled off on.
- The SW2 bank [2] is used for detailed Service Mode settings. The system does not need to be cycled off/on after changing the settings of these switches.

SW1 Settings

SW1				Mode	Comment
1	2	3	4		
*	*	*	*	Normal Mode	Factory setting
Up	*	*	*	Bookbinder Adjustment Mode	
*	Up	*	*	Bookbinder Test Mode 1	With signature trimming
*	Up	*	Up	Bookbinder Test Mode 2	Without signature trimming
Up	*	Up	*	Inserter Adjustment Mode	For inserter

Model: Perfect Binder GB5000

Date: 15 Sep-09

No.: RD391012

SW2 Settings: Normal Mode

Refer to the sections below for more details about SW2 settings in the adjustment mode and test mode.

Service Board LEDs

LED3 indicates status and details. Push [PSW3] to toggle between the Status and Detail display. For more about alarms, jams, errors, etc. please refer to the appropriate sections.

Display Items

Mode	Status	Detail
Normal Mode	Yes	No
Service Mode	Yes	No
Doors Open	Yes	Yes
Alarm	Yes	Yes
Jam	Yes	Yes
Alarm Error	Yes	Yes

Note: In the table above "Status" is after the 1st [PSW3] press, "Detail" is after the 2nd [PSW3] press.

Note: "Status" is automatically indicated. Press [PSW3] to indicate "detailed" status.

Model: Perfect Binder GB5000

Date: 15 Sep-09

No.: RD391012

Status Display: 1st [PSW3] Press

The speed of the flashes at LED1 indicates normal status (medium/slow flashing) or abnormal status (rapid flashing). In the error status the display combinations of LED2 and LED3 give more information about the abnormal condition. When an error occurs in the Normal Mode or Service Mode, the LED1 display switches from Normal Mode to Error Mode.

Status	Mode / Type of Abnormal Status	LED1	LED2	LED3	Comment
Normal	Normal Mode	FLASH	OFF	OFF	LED1 flash duration: 0.5 sec
	Service Mode	FLASH	OFF	OFF	LED1 flash duration: 1 sec
Abnormal	Error	FLASH	ON	ON	LED1 flash duration: 0.1 sec
	Jam	FLASH	OFF	ON	
	Alarm	FLASH	ON	OFF	
	Open	FLASH	OFF	OFF	

The priority in the order of display in abnormal status is:

Error > Jam > Alarm > Open

This is the order of display when more than one condition exists at the same time.

Order of priority for indicating abnormal status:

Error > Jam > Alarm > Open

If multiple abnormal statuses occur, only one of the statuses is indicated according to the above order of priority.

Details Display: 2nd [PSW3] Press

After the status is determined from the above table (normal, error, jam, alarm, or open door), further information can be obtained by pressing [PSW3], which will change the signals displayed by the LEDs.

(1) Open Doors

LED1, LED2 distinguish between the Bookbinder and Inserter:

(LED1 lights, LED2 (OFF = Bookbinder, ON = Inserter))

Count the number of times LED3 flashes to identify the location of the opened door/cover.

LED3 Flashes x times > LED3 OFF 1 sec. > LED Flashes x times > LED3 OFF ...repeat

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	LED1	LED2	LED3	Open Position	Comment
Bookbinder	ON	OFF	FLASH	Bookbinder Flash Count Count the number of flashes – LED3 x 1: Front Cover x 2: Top Cover x 3: Book Door x 4: Trim Scrap Box Door x 5: Glue Supply Drawer x 6: Relay Unit Front Door	Flash duration: 0.3 sec
Insertter	ON	ON	FLASH	x 1: Joint x 2: Top Cover	Flash duration: 0.3 sec

(2) Alarm

To indicate the **detailed** alarm status, LED1 lights and LED2, LED3 both flash. Flash duration: 0.3 sec. The LEDs **LED2** remain off **ON** for 2 sec. to indicate "0". 4 The LED2 and LED3 displays alternate automatically:

Count the number of times LED2 & LED3 flash to identify the problem causing the alarm.

LED2 Flashes (Left Digit)> OFF 1 sec.> LED3 Flashes (Right Digit)> OFF 1 sec.> repeat

Example 1: Book Tray Full Display

Digit Sequence	LED1	LED2	LED3	Comment
Left 1	ON	FLASH x3	OFF	Flash duration: 0.3 sec
2		OFF	OFF	LED2, LED3 OFF (1 sec)
Right 3		OFF	FLASH x2	Flash duration: 0.3 sec
4		OFF	OFF	LED2, LED3 OFF (1 sec)

Example 2: Glue Vat Empty Display

Digit Sequence	LED1	LED2	LED3	Comment
Left 1	ON	ON	OFF	LED ON (2 sec)
2		OFF	OFF	LED2, LED3 OFF (1 sec)
Right 3		OFF	FLASH x4 6	Flash duration 0.3 sec
4		OFF	OFF	LED2, LED3 OFF (1 sec)

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Alarm Codes and LED Flash Equivalents Table (Switching with [PSW4] [PSW 3] Presses)

Alarm Name	Alarm Information	
	LED2 Count	LED3 Count
Glue Near End	0	2
Stacking Tray Overflow	0	3
Paper Remains in Stacking Tray	0	5
Glue Out (Vat Empty)	0	6
Replace Gluing Unit	0	8
Bookbinding Malfunction	1	1
Trim Scrap Box Near Full	1	2
Trim Scrap Box Full	1	3
Near Time for Blade Replacement	2	1
Near Time for Blade Cradle Replacement	2	2
Blade Needs Replacement	2	3
Blade Cradle Needs Replacement	2	4
Book Tray Near Full	3	1
Book Tray Full	3	2

NOTE: "0" is indicated by the LED2 lighting for 2 sec.

(3) Error/Jam

For Error/Jam, [PSW3] must be pressed **TWICE** in order to obtain the exact information; obtain a total of 4 signals from LED2 and LED3 (by toggling the signals pressing [PSW3]).

To indicate the error/jam status, LED1 lights and LED2, LED3 flash. Flash duration: 0.3 sec.

- The LEDs remain ON for 2 sec. to indicate "0".
- The LED2 and LED3 displays alternate automatically.
- Pressing [PSW3] once after the LEDs display the error will display the cause of the error, and pressing [PSW3] again displays more details about the error. LED1 lights during the error cause display and goes OFF during the error detail display.
- After a jam occurs, pressing [PSW3] displays the high digit of the code, and pressing [PSW3] again will display low digit of the code.

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Example 1: Fan Lock Detection (Signature Fan 1 Lock: Front (FM8))

Sequence 1-4

Digit Sequence	LED1	LED2	LED3	Comment
Left 1	ON	FLASH x5	OFF	LED ON (2 sec)
2		OFF	OFF	LED2, LED OFF (1 sec)
Right 3		OFF	FLASH x1	Flash duration 0.3 sec
4		OFF	OFF	LED2, LED3 OFF (1 sec)

→ Press [PSW3]

Sequence 5-8

Digit Sequence	LED1	LED2	LED3	Comment
Left 5	OFF	ON	OFF	LED ON (2 sec)
6	OFF	OFF (= x0)	OFF	LED2, LED OFF (1 sec)
Right 7	OFF	OFF	FLASH x10	Flash duration 0.3 sec
8	OFF	OFF	OFF	LED2, LED3 OFF (1 sec)

Jam Code and LED Flash Equivalence Table

Jam Name	Jam Information			
	Sequence 1-4 Left Digit Count		Sequence 5-8 Right Digit Count	
	LED2	LED3	LED2	LED3
Bookbinder				
At Power On	1	3	0	0
Door Open	1	4	0	0
Paper Lag	1	7	0	0
Entrance Sensor Late	1	0	1	1
Signature Path Sensor 1 Late	1	0	1	2
Signature Path Sensor 2 Late Jam	1	0	1	3
Timing Sensor Late	1	0	1	4
Stacking Tray Paper Late	1	0	1	5
Sub Grip Signature Late	1	0	1	6
Cover Path Sensor 1 Late	1	0	1	7
Cover Path Sensor 2 Late	1	0	1	8
Horizontal Path Exit Sensor Late	1	0	1	9

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Cover Registration Sensor Late	1	0	1	10
Cover Registration Sensor Late (During Cover Switchback)	1	0	1	11
Cover Horizontal Registration Sensor: Small Sensor Late	1	0	1	12
Cover Horizontal Registration Sensor: Large Sensor Late	1	0	1	13
Entrance Sensor Lag	1	1	2	1
Signature Path Sensor 1 Lag	1	1	2	2
Signature Path Sensor 2 Lag	1	1	2	3
Timing Sensor Lag	1	1	2	4
Stacking Tray Paper Lag	1	1	2	5
Cover Path Sensor 1 Lag	1	1	2	7
Cover Path Sensor 1 Lag	1	1	2	8
Horizontal Path Exit Sensor Lag	1	1	2	9
Cover Registration Sensor Lag	1	1	2	10
Cover Registration Sensor Lag (During Cover Switchback)	1	1	2	11
Cover Horizontal Registration Sensor: Small Sensor Lag	1	1	2	12
Cover Horizontal Registration Sensor: Large Sensor Lag	1	1	2	13
Paper Size Mismatch	1	15	10	5
Cover Size Short	1	15	10	4
Trim Width Over	1	15	10	2
Finish Size Over	1	15	10	3
Inserters				
At Power On	1	3	0	0
Door Open	1	4	0	0
Separation Sensor: Tray A Late	1	0	6	2
Separation Sensor: Tray B Late	1	0	6	4
Vertical Transport Sensor 1 Late	1	0	6	6
Vertical Transport Sensor 2 Late	1	0	6	8
Entrance Sensor Late	1	0	6	10
Separation Sensor: Tray A Lag	1	1	6	3
Separation Sensor: Tray B Lag	1	1	6	5

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Vertical Transport Sensor 1 Lag	1	1	6	7
Vertical Transport Sensor 2 Lag	1	1	6	9
Entrance Sensor Lag	1	1	6	11
Paper Size Mismatch	1	15	7	2
Relay Unit				
At Power On	2	1	0	0
Door Open	2	1	0	1
Paper Lag	2	1	0	2
Transport Sensor Late	2	1	0	3
Transport Sensor Lag	2	1	0	4
Data Error	2	1	0	5
Front Door Open	2	2	0	0

Error and LED Flash Count Equivalency Table

Error Name	Error Details	Error Information			
		Sequence 1-4 Cause-Count		Sequence 5-8 Details-Count	
		LED2	LED3	LED2	LED3
Bookbinder Internal Communication	Master<_>Slave Control Board Communication Error 1	0	1	8	0
Bookbinder Internal Communication	Master<_>Slave Control Board Communication Error 1	0	1	8	0
	Master<_>Slave Control Board Communication Error 2			8	1
	Relay Unit<_>Master Control Board Error			8	2
	Slave<_>Cutter Control Board Communication Error 1			8	3
	Slave<_>Cutter Control Board Communication Error 2			8	4
EEPROM (Bookbinder)	EEPROM read error	0	5	0	1
	EEPROM write error			0	2
Inserter Communication	Communication initialization error	0	8	8	2
	Bookbinder<_>Inserter Communication Error 2			8	3
Power Supply Check	24V Check Signal Error 1	5	0	0	2

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	24V Check Signal Error 2			0	3
	24V Check Signal Error 3			0	4
	24V Check Signal Error 4			0	5
Fan Lock Detection	Power Supply Fan: Right	5	1	0	1
	Power Supply Fan: Center			0	2
	Power Supply Fan: Left			0	3
	Spine Plate Fan: Lower Front			0	4
	Spine Plate Fan: Lower Rear			0	5
	Spine Plate Fan: Upper Front			0	6
	Spine Plate Fan: Upper Rear			0	7
	Signature Fan 2: Front			0	8
	Signature Fan 2: Rear			0	9
	Signature Fan 1: Front			0	10
	Signature Fan 1: Rear			0	11
	Glue Supply Fan: Upper			0	12
	Glue Supply Fan: Lower			0	13
Cutter, Signature Grip Motors	Main grip unit did not leave the HP position.	10	1	8	1
	Main grip unit did not arrive at the HP position after signature release.			8	2
	Grip end sensor did not detect operation end.			8	3
	Grip unit did not reach the grip end sensor.			8	4
Cutter, Trimmings Buffer Motors	Trimmings buffer did not leave the HP position on the left.	10	2	8	1
	Trimmings buffer did not reach the HP position on the left.			8	2
	Trimmings buffer did not leave the trimmings dump port.			8	3
	Trimmings buffer did not reach the trimmings dump port.			8	4
	The motor is not rotating.			8	5
	Trimmings buffer did not retract from the paper press plate sensor.			8	6
	Trimmings buffer did not reach the paper press plate sensor.			8	7
Book Buffer Tray, Book Tray Motor	Buffer tray did not move toward the rear.	10	3	8	1

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	Buffer tray did not move toward the front.			8	2
Cutter, Press Motors	Press plate did not leave the HP position at press.	10	4	8	1
	Press plate did not arrive at the HP position at release.			8	2
	Press plate did not leave END at press.			8	3
	Press plate did not arrive at END at release.			8	4
	Blade reached the limit position.			8	5
Cutter, Signature Slider Motors	Slide motor did not leave HP position.	10	5	8	1
	Rotate motor 2 did not reach home position.			8	2
Cutter,Signature Rotation Motor 1	Rotate motor 2 did not leave home position.	10	8	0	1
	Rotate motor 2 did not reach home position.			0	2
Cutter,Signature Rotation Motor 2	Rotate motor 2 did not leave home position.	10	9	0	1
	Rotate motor 2 did not reach home position.			0	2
Table continued					
Cutter Motor	Cutter blade did not move.	10	10	0	1
	The blade did not move away from the cutting point on the blade cradle.			0	2
	The blade did not move for a rear-to-front cut.			0	3
	The blade did not move away from the blade cradle to the front.			0	4
	When moving from the front the blade did not reach the blade cradle.			0	5
	When moving from the rear the blade did not reach the blade cradle.			0	6
	The blade reached the limit position.			0	7
Book Stacking Unit, Book Lift Tray Motors	Book lift tray does not raise.	10	11	0	1
	Book lift tray does not lower.			0	2

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	The motor is not rotating.			0	3
Book Stacking Unit, Book Tray Motors	Book collection buffer tray did not leave the home position.	10	12	0	1
	Book collection buffer tray did not reach the home position.			0	2
Cutter, Blade Cradle Motors	Blade cradle did not raise.	10	13	0	1
	Blade cradle did not lower.			0	2
Book Stacking Unit, Door Lock Solenoid	Book stacking tray, book drawer did not lock.	10	14	0	1
Glue Applicator, Glue Heater	Heater failed to start: Error 1	11	0	0	1
	Heater short.			0	2
	Heater wire break or short circuit			0	3
	Heater failed to start: Error 2			0	4
	Low temperature detected while regulating glue temperature.			0	5
	The thermostat inside the gluing unit detected an abnormally high temperature.			0	6
	Abnormal thermostat detection			0	7
	Glue level thermistor: Error 1			0	8
	Glue level thermistor: Error 2			0	9
	Glue level thermistor broken.			0	12
Glue Applicator, Glue Level Detection Sensors	The surface of the glue in the vat did not reach the lower limit position.	11	2	0	1
	The surface of the glue in the vat did not reach the upper limit (full) position.			0	2
	The glue surface has not dropped below the upper limit mark.			0	3
	Glue level Thermistor Adjustment Error.			0	4
Sensor Automatic Adjustment	The value for the adjustment of the timing sensor exceeded the upper limit.	11	4	0	1
	The value for the adjustment of the cover registration sensor exceeded the upper limit.			0	2
	The value for the adjustment of the cover horizontal registration sensor (small) exceeded the upper limit.			0	3

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	The value for the adjustment of the cover horizontal registration sensor (large) exceeded the upper limit.			0	4
	The value for the adjustment of the signature exit sensor exceeded the upper limit.			0	5
	The value for the adjustment of the leading edge sensor exceeded the upper limit.			0	6
	The value for the adjustment of the entrance path sensor exceeded the upper limit.			0	7
	The value for the adjustment of the signature registration sensor (?) exceeded the upper limit.			0	8
	The value for the adjustment of the timing sensor was lower than the lower limit.			1	1
	The value for the adjustment of the cover registration sensor was lower than the lower limit.			1	2
	The value for the adjustment of the cover horizontal registration sensor (small) was lower than the limit.			1	3
	The value for the adjustment of the cover horizontal registration sensor (large) was lower than the limit.			1	4
	The value for the adjustment of the signature exit sensor was lower than the lower limit.			1	5
	The value for the adjustment of the leading edge sensor was lower than the lower limit.			1	6
	The value for the adjustment of the entrance path sensor was lower than the lower limit.			1	7
	The value for the adjustment of the book registration sensor was lower than the lower limit.			1	8
Transport Path Sensors	Trimming unit entrance sensor blocked by paper, cannot detect.	11	5	0	2
	Signature registration sensor could not detect the presence of paper.			0	3
	Could not detect the absence of paper at the signature exit sensor.			0	6

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	Trimming unit entrance sensor blocked by paper, cannot detect. Detection possible on grip side.			0	7
	Cannot detect presence of paper in main grip.			0	8
	Could not detect the absence of paper at the cutter entrance.			1	2
	Signature registration sensor could not detect the absence of paper.			1	3
	Could not detect the absence of paper at the book arrival sensor			1	4
	Could not dump trimmed scraps from the trimmings buffer. Or, scraps jammed between trimmings buffer and press plate.			1	6
	Could not detect the absence of paper at the sub grip signature sensor			1	7
	Could not detect the absence of paper at the main grip signature sensor			1	8
Signature Thickness Sensor	Signature thickness reading smaller than allowed minimum size.	11	6	0	1
	Signature thickness reading larger than allowed maximum size.			0	2
	The signature thickness reading did not change.			0	3
Glue Vat Motor	The glue vat HP sensor at the rear of the bookbinder failed to go ON.	11	7	0	1
	The glue vat HP sensor at the rear of the bookbinder failed to go OFF.			0	2
Glue Vat Roller Motor	The glue vat roller was not rotating.	11	8	0	1
Glue Supply Motor	The glue supply motor did not arrive at its home position.	11	9	0	1
	The glue supply motor did not leave its home position.			0	2
Spine Fold Motor: Left	The spine fold plate did not reach the left HP sensor.	11	10	0	1
	The spine fold plate did not leave the left HP sensor position.			0	2
	The sensor did not turn ON.			0	3
	The sensor did not turn OFF.			0	4

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	The spine plate HP sensor: left and spine plate close sensor turned ON at the same time.			0	5
Spine Fold Motor: Right	The spine fold plate did not reach the right HP sensor.	11	11	0	1
	The spine fold plate did not leave the right HP sensor position.			0	2
	The sensor did not turn ON.			0	3
	The sensor did not turn OFF.			0	4
	The spine fold HP sensor: right and spine fold close sensor turned ON at the same time.			0	5
Spine Plate Motor	The spine plate open sensor did not go ON.	11	12	0	1
	Spine plate open sensor did not go OFF.			0	2
	Spine plate close sensor did not go ON.			0	3
	Spine place close sensor did not go OFF.			0	4
Front Door Lock	Frond door did not close and lock.	11	13	0	1
	The front door lock did not release.			0	2
	Front doors detected open even though doors are closed and locked.			0	3
Switchback Roller Motor (Stacking Tray)	Switchback flapper HP sensor did not go ON.	12	0	0	1
	Switchback flapper HP sensor did not go OFF.			0	2
TE Press Lever Motor (Stacking Tray)	The press lever HP sensor did not go ON.	12	1	0	1
	The press lever HP sensor did not go OFF.			0	2
Jogger Fence Motor: Front	Jog Fence HP Sensor: Front/Small (S12) did not go ON.	12	2	0	1
	Jog Fence HP Sensor: Front/Small (S12) did not go OFF.			0	2
	Jog Fence HP Sensor: Front/Large (S14) did not go ON.			0	3
	Jog Fence HP Sensor: Front/Large (S14) did not go OFF.			0	4
Jogger Fence Motor: Rear	Jog Fence HP Sensor: Rear/Small (S13) did not go ON.	12	3	0	1

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	Jog Fence HP Sensor: Rear/Small (S13) did not go OFF.			0	2
	Jog Fence HP Sensor: Rear/Large (S15) did not go ON.			0	3
	Jog Fence HP Sensor: Rear/Large (S15) did not go OFF.			0	4
Switchback Roller Lift Motor (Stacking Tray)	Switchback roller HP sensor did not go ON.	12	4	0	1
	Switchback roller HP sensor did not go OFF.			0	2
Stacking Tray Lift Motor	Stacking tray lower limit sensor did not go ON.	12	5	0	1
	Stacking tray lower limit sensor did not go OFF.			0	2
	The paper detection sensor on the front of the stacking tray did not go ON.			0	3
	The paper detection sensor on the front of the stacking tray did not go OFF.			0	4
	The paper detection sensor on the rear of the stacking tray did not go ON.			0	5
	The paper detection sensor on the rear of the stacking tray did not go OFF.			0	6
	Stacking tray over flow sensor did not go ON.			0	7
	The stacking tray lower limit sensor and its paper overflow sensor went on at the same time.			0	8
	Stacking tray over flow sensor did not go OFF.			0	9
	Stacking tray overflow sensor went off with the stacking tray at its highest position.			0	10
Stacking Tray Motor	Stacking tray HP sensor did not go ON.	12	6	0	1
	Stacking tray HP sensor did not go OFF.			0	2
Stacking Weight Motor	Stacking weight HP sensor did not go ON.	12	7	0	1
	Stacking weight HP sensor did not go OFF.			0	2

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Cover Guide Motor: Left	The Cover Guide HP Sensor: Left (S27) did not go ON.	12	9	0	1
	Cover guide HP sensor: left and cover guide open sensor: left went ON at the same time.			0	2
	The Cover Guide Open Sensor: Left (S28) did not go ON.			0	5
Cover Guide Motor: Right	The Cover Guide HP Sensor: Right (S22) did not go ON.	12	10	0	1
	Cover guide HP sensor: right and cover guide open sensor: right went ON at the same time.			0	2
	The Cover Guide Open Sensor: Right (S23) did not go ON.			0	5
Cover Horizontal Registration Motor	Cover Registration HP Sensor: Small/Large (S71, S72) did not go ON.	12	11	0	1
	Cover Registration HP Sensor: Small/Large (S71, S72) did not go OFF.			0	2
Sub Grip Lift Motor	Sub grip HP sensor did not go ON.	13	0	0	1
	Sub grip HP sensor did not go OFF.			0	2
Sub Grip Size Motor	Sub grip size HP sensor did not go ON.	13	1	0	1
	Sub grip size HP sensor did not go OFF.			0	2
Sub Grip Open Motor	The sub grip open sensor did not go ON.	13	2	0	1
	The sub grip open sensor did not go OFF.			0	2
	The sub grip close sensor did not go ON.			0	3
	The sub grip close sensor did not go OFF.			0	4
	The sub grip open sensor and sub grip close sensor went ON at the same time.			0	5
Signature Move Motor	Signature grip HP sensor did not go ON.	13	3	0	1
	Signature grip HP sensor did not go OFF.			0	2
	Signature main grip position sensor did not go ON.			0	3

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	Signature main grip position sensor did not go OFF.			0	4
	Main grip rotate enable sensor did not go ON.			0	5
	Main grip rotate enable sensor did not go OFF.			0	6
	The signature HP sensor and signature main grip position sensor went ON at the same time.			0	7
Main Grip Lift Motor	The main grip HP sensor did not go ON.	13	4	0	1
	The main grip HP sensor did not go OFF.			0	2
	The main grip press sensor 1 did not go ON.			0	3
	The main grip press sensor 1 did not go OFF.			0	4
	The main grip press sensor 2 did not go ON.			0	5
	The main grip press sensor 2 did not go OFF.			0	6
	Signature Exit Sensor (S64) did not go ON.			0	7
	The main grip HP sensor at the high position did not turn ON.			0	8
	The main grip HP sensor at the high position did not turn OFF.			0	9
Grip Unit Rotation Motor	The main grip rotate HP sensor did not go ON.	13	5	0	1
	The main grip rotate HP sensor did not go OFF.			0	2
	The main grip rotate to binding position sensor did not go ON.			0	3
	The main grip rotate to binding position sensor did not go OFF.			0	4
	Main grip rotate hp sensor and rotate to binding position sensor went ON at the same time.			0	5
Grip Motor: Rear	The main grip open sensor rear did not go ON.	13	6	0	1
	The main grip open sensor rear did not go OFF.			0	2

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	The main grip close sensor rear did not go ON.			0	3
	The main grip close sensor rear did not go OFF.			0	4
	Main grip encoder sensor: rear defective			0	5
	Main grip open sensor: rear and main grip close sensor: rear went ON at the same time.			0	6
Grip Motor: Front	The main grip open sensor front did not go ON.	13	7	0	1
	The main grip open sensor front did not go OFF.			0	2
	The main grip close sensor front did not go ON.			0	3
	The main grip close sensor front did not go OFF.			0	4
	Main grip encoder: front sensor defective.			0	5
	Main grip open sensor: front and main grip close sensor: front went ON at the same time.			0	6
Signature Exit Motor	Signature exit path HP sensor did not go ON.	13	8	0	1
	Signature exit path HP sensor did not go OFF.			0	2
	Signature exit path press sensor did not go ON.			0	3
	Signature exit path press sensor did not go OFF.			0	4
Signature Exit Roller Motor	Leading edge sensor did not go ON.	13	9	0	1
EEPROM (Inserter)	EEPROM read error	0	5	1	0
	EEPROM write error			1	1
Drive Switching Motor (Inserter)	Drive JG sensor did not go OFF within the prescribed time after the drive switching motor turned on.	14	0	0	1
	Drive JG sensor did not go ON within the prescribed time after the drive switching motor turned on.			0	2

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Lift Motor: Tray A (Inserter)	Inserter Tray A (upper tray) failed to leave its lower limit sensor within the prescribed time after Tray A lift motor turned on.	14	1	0	1
	Inserter Tray A (upper tray) failed to arrive at its lower limit sensor within the prescribed time after Tray A lift motor turned on.			0	2
Lift Motor: Tray B (Inserter)	Inserter Tray B (lower tray) failed to leave its lower limit sensor within the prescribed time after Tray B lift motor turned on.	14	2	0	1
	Inserter Tray B (lower tray) failed to arrive at its lower limit sensor within the prescribed time after Tray B lift motor turned on.			0	2
Relay Unit	Relay Unit EEPROM Error	2	0	0	0
	ASAP communication error			0	1
	Relay Board <_> Master Control Board communication error			0	2
	Slave <_> Master Control Board communication error			0	3
	Slave <_> Cutter Control Board communication error			0	4
	Master <_> Inserter Control Board communication error			0	5

Reissued: 16-Sep-09

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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B1		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B1**.

Version	Program No.	Effective Date
<i>0.310:11</i>	<i>D3915020D</i>	<i>October 2009 production</i>
0.280:11	D3915020C	September 2009 production
0.23:08	D3915020B	Dec 2008 production
0.20 4.19	D3915020A	1st Mass production.

Version	Modified Points or Symptom Corrected
<i>0.310:11</i>	<i>Symptom Corrected:</i> <i>- Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.</i>
0.280:11	Symptoms Corrected: 1. Machine stalls when jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer. 2. SC797-36 occurs when making a booklet using 19.2 inch size cover. Note: When applying this firmware, ensure the other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware. P-Binder_B1:D3915020C:Ver0.28 P-Binder_B2:D3915070B:Ver0.19 P-Binder_B3:D3915730A:Ver0.13 P-Binder_B4:D3915120B:Ver0.15 P-Binder_B5:D3915170A:Ver0.25
0.23:08	Note : Where this firmware is to be used, ensure other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware. P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19

Reissued: 16-Sep-09

Model: Perfect Binder GB5000		Date: 20-June -08	No.: RD391001c
	<p>P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none">• The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged.• When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.		
0.20 1.19	1st Mass production.		

Reissued: 16-Sep-09

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391002b
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B2		Prepared by: T.Tadokoro	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required		
	<input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision		
	<input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information		
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B2**.

Version	Program No.	Effective Date
<i>0.210:00</i>	<i>D3915070C</i>	<i>October 2009 production</i>
0.19:00	D3915070B	December 2008 production
0.18	D3915070A	1st Mass production.
1.19		

Version	Modified Points or Symptom Corrected
<i>0.210:00</i>	<i>Symptom Corrected:</i> <i>- Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.</i>
0.19:00	Note : Where this firmware is to be used, ensure other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware. P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19 P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25 Symptom Corrected: <ul style="list-style-type: none"> The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged. When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.
0.18	1st Mass production.
1.19	

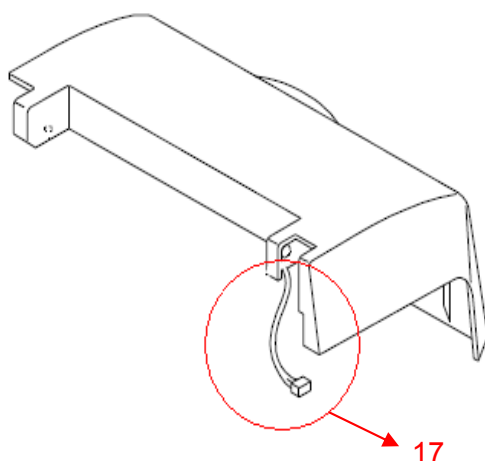
Model: Perfect Binder GB5000	Date:28-Sep-09	No.: RD391013
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Subject: STAY: HARNESS:COVER:UPPER:PF3091K312		Prepared by: T. Tadokoro	
From: PPMC Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

The following part has been registered as a service part.

10.Inserter Section 4 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3915787	HARNESS:COVER:UPPER:PF3091K312	1	-	20	17	Add



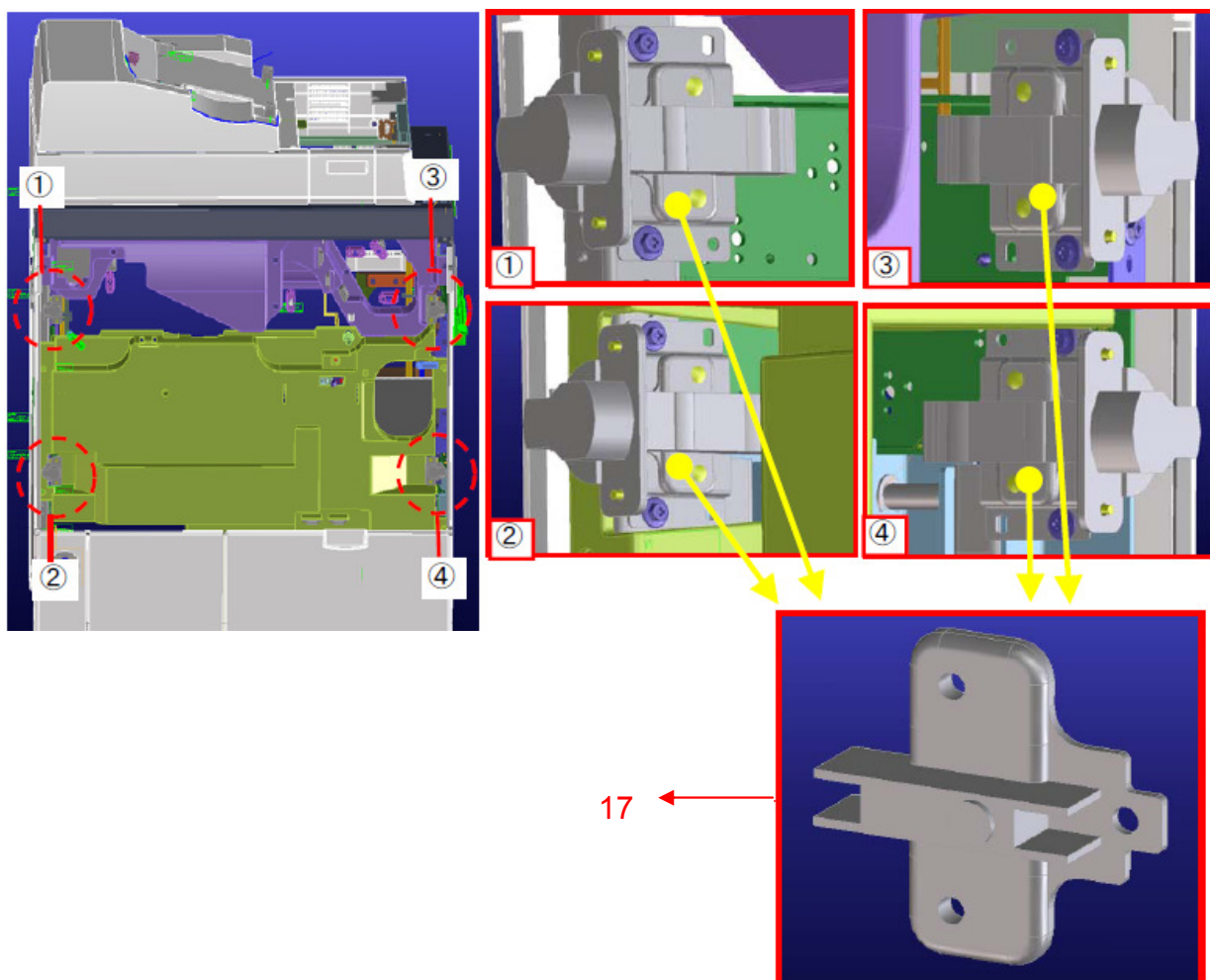
Model: Perfect Binder GB5000	Date:28-Sep-09	No.: RD391014
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Subject: STAY: Base:Hinge:Door:Front:PF4140P919		Prepared by: T. Tadokoro	
From: PPMC Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

The following parts have been registered as service parts.

1.Exterior 1 (D391)

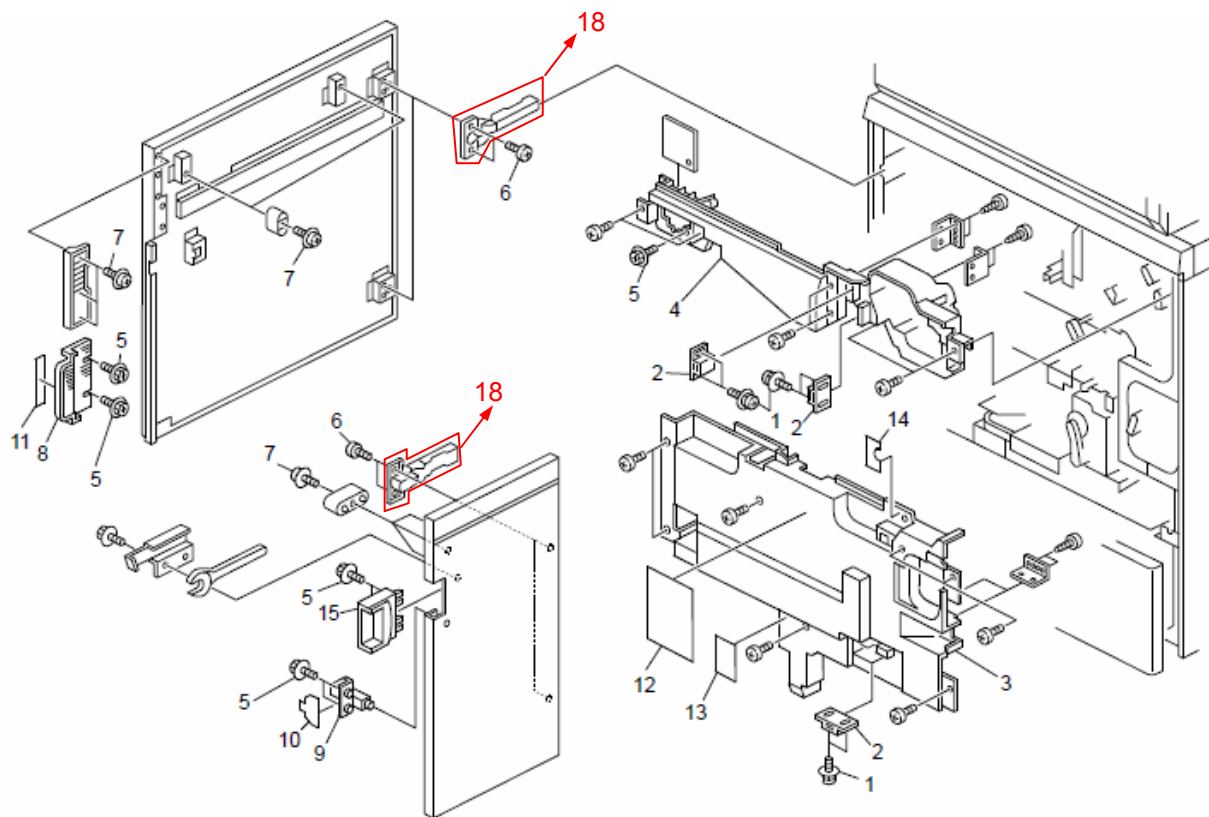
New part number	Description	Q'ty	Int	Page	Index	Note
D3911470	Base:Hinge:Door:Front:PF4140P919	4	-	2	17	Add
D3911471	Arm: Hinge:Door:Front:PF4140P920	4	-	2	18	Add



Model: Perfect Binder GB5000

Date:28-Sep-09

No.: RD391014



Model: Pefect Binder GB5000		Date: 09-Nov-09	No.: RD391015
Subject: Service Manual Correction - Inserter Tray Paper Width Adjustment Procedure		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please add the following adjustment procedure to your service manual in this section:

Replacement and Adjustment > Inserter > Inserter Control Board

This adjustment, which sets the paper width sensor output value for the Inserter Trays (upper/lower) is required when replacing the Inserter Control Board.

Adjustment Procedure: Paper Width Sensor Output Values for the Inserter Trays

Overview

The following procedure adjusts the sensor output values for paper width for both upper and lower trays of the Inserter.

Procedure

1) Open the left door and remove the Service Board Cover. Close the right door. Cheat the left door switch.

2) Set "SW1" as shown below, and turn on the machine power.

SW1	1	2	3	4
ON/OFF	ON	OFF	ON	OFF

3) Select the settings for "SW2" from below depending on the paper size. (Adjustment needed only for the required paper size.)

SW2	1	2	3	4	5	6	7	8	Tray/Paper Size
ON/OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	Upper / A4
ON/OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	Lower / A4
ON/OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	Upper / LTR
ON/OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	Lower / LTR

Model: Pefect Binder GB5000	Date: 09-Nov-09	No.: RD391015
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- 4) Press "PSW1". [Standby status for A4 or LTR -] SEF

LED status at standby: LED1 - ON
LED2 - OFF
LED3 - OFF

- 5) Set the side fences to Portrait for the required size (A4 or LTR), then press "PSW1" again to start the adjustment.

LED status during adjustment: LED1 - ON
LED2 - FLASH at 1000 [msec] interval (LED 2 may turn on immediately)
LED3 - OFF

If adjustment is completed successfully, LED2 will turn ON.

If adjustment results in failure, LED1 will flash at 100 [msec] interval and LED2 and LED3 will turn ON. Press "PSW2" to return to standby status.

- 6) Press "PSW1". [Standby status for A4 or LTR -] LEF

LED status at standby: LED1 - ON
LED2 - ON
LED3 - OFF

- 7) Set the side fences to Landscape for the required size (A4 or LTR), then press "PSW1" again to start the adjustment.

LED status during adjustment: LED1 - ON
LED2 - ON
LED3 - FLASH at 1000 [msec] interval

If adjustment is completed successfully, LED1 will FLASH at 1000 [msec], LED2 and LED3 will turn OFF. (This may happen immediately.)

If adjustment results in failure, LED1 will flash at 100 [msec] interval and LED2 and LED3 will turn ON. Press "PSW2" to return to standby status.

Upper Tray Adjustment complete.

Change Dip Switch 2 for the lower tray. Follow the above procedure to adjust the lower inserter tray.

Turn all Dip Switches Off. Turn main Power Off/On.

Once the adjustments for both Portrait and Landscape are completed successfully, the A/D values (value converted from analog to digital) are saved onto the EEPROM of the Inserter.

Reissued: 28-Jan-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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RTB Reissue

This RTB has been reissued to announce the additionally registered parts numbers (indicated in italics).

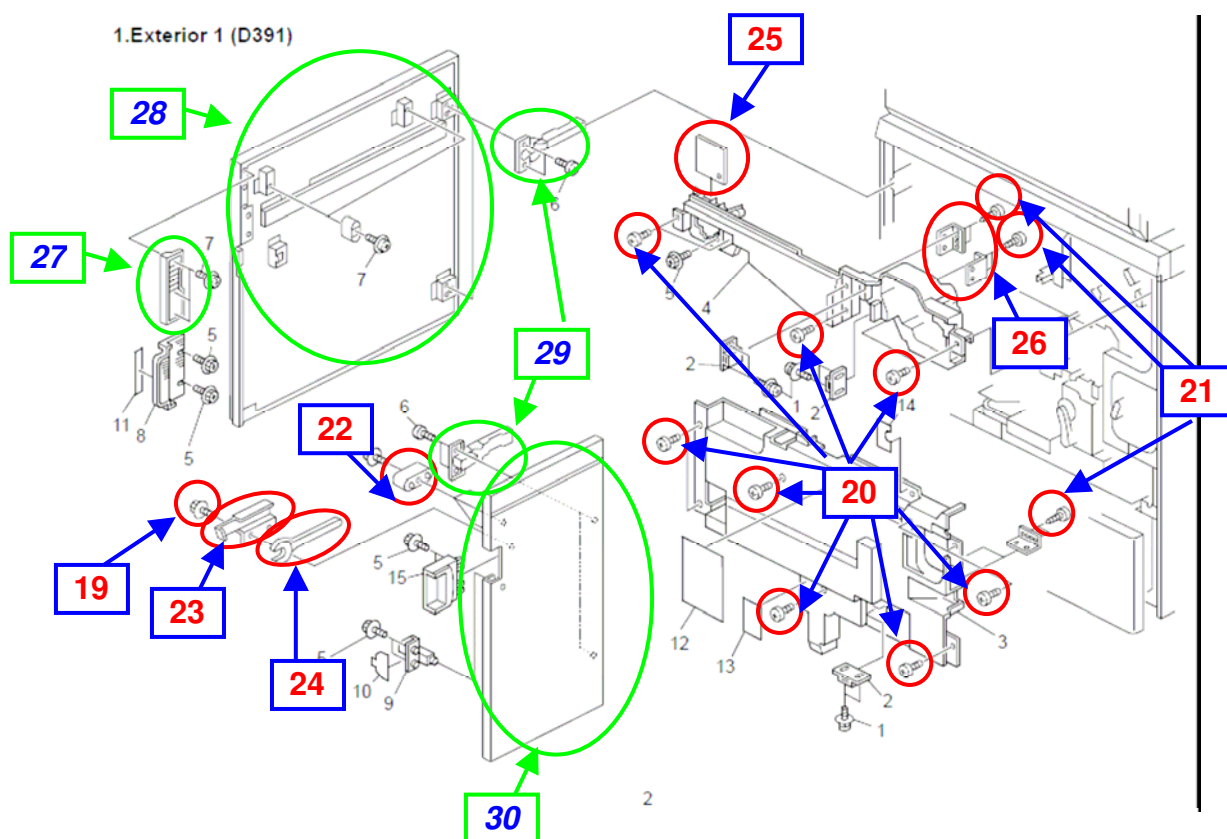
Subject: Parts catalog correction		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> Other
	<input type="checkbox"/> To facilitate assembly	<input type="checkbox"/> To improve reliability	<input type="checkbox"/> To meet standards
	<input type="checkbox"/> Part standardization	<input type="checkbox"/> Product Safety	()

Parts missing the index and given incorrect names have been corrected.

1.Exterior 1 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911244	Screw:M4X8:NS-SCR00050B	1	-	2	19	Add
B6604835	Screw:NS-SCR00045A	12	-	2	20	Add
D3911117	Binding Self-Tapping Screw: M3X8: 030080FWBB	3	-	2	21	Add
D3912025	Bracket:Pick-up Paper Jam: Door: PF4140Q543	1	-	2	22	Add
D3912026	Holder:Wrench:PF4140P010	1	-	2	23	Add
D3912027	Wrench:19MM:PF4140P900	1	-	2	24	Add
D3912029	Inner Cover:Base:PF4140Q511	1	-	2	25	Add
D3912030	Plate:Magnetic:Door:PF4140Q510	2	-	2	26	Add
<i>D3912022</i>	<i>COVER:DOOR:LEFT:PF4155Q555</i>	<i>1</i>	<i>-</i>	<i>2</i>	<i>27</i>	<i>Add</i>
<i>D3912023</i>	<i>DOOR:FRONT LEFT:PF4155Q500</i>	<i>1</i>	<i>-</i>	<i>2</i>	<i>28</i>	<i>Add</i>
<i>D3912024</i>	<i>ARM:HINGE:DOOR:PF4140P920</i>	<i>2</i>	<i>-</i>	<i>2</i>	<i>29</i>	<i>Add</i>
<i>D3912028</i>	<i>DOOR:FRONT RIGHT:PF4155Q501</i>	<i>1</i>	<i>-</i>	<i>2</i>	<i>30</i>	<i>Add</i>

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3912007	Handle:Door:Left: PF4140Q529B1	Handle:Door:Left:PF4155Q529	1	-	2	8



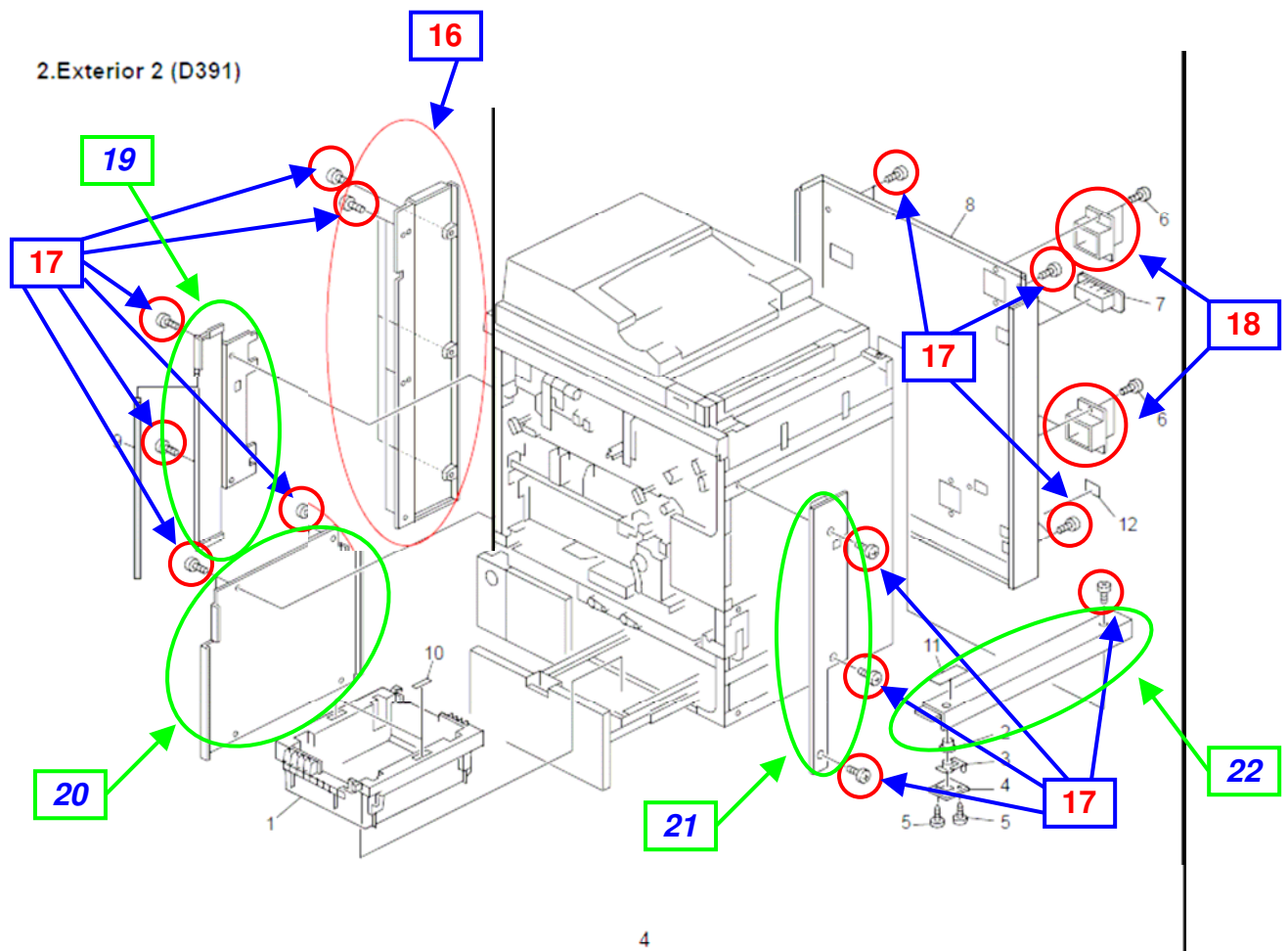
Reissued: 28-Jan-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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2.Exterior 2 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914500	Cover:Left Rear:PF4165Q525	1	-	4	16	Add
B6604835	Screw:NS-SCR00045A	20	-	4	17	Add
D3912034	Cover:Fan:PF4155K102	2	-	4	18	Add
D3912031	COVER:LEFT:PF4155Q522	1	-	4	19	Add
D3912032	COVER:LEFT LOWER:PF4155Q513	1	-	4	20	Add
D3912033	COVER:RIGHT:PF4155Q506	1	-	4	21	Add
D3912035	COVER:MAIN SWITCH:PF4155Q537	1	-	4	22	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3911269	Case:Paper Chip: PF4140K376A:Ass'y	Case:Paper Chip: PF4155K376:Ass'y	1	-	4	1
D3912018	Keytop:PF4140Q544A5	Keytop:PF4155Q544	1	-	4	2
D3912002	Grip:Rear:PF4140P931A	Grip:Rear:PF4155K106	2	-	4	7
D3912005	Cover:Rear:PF4140Q508L	Cover:Rear:PF4155Q508	1	-	4	8



Reissued: 28-Jan-10

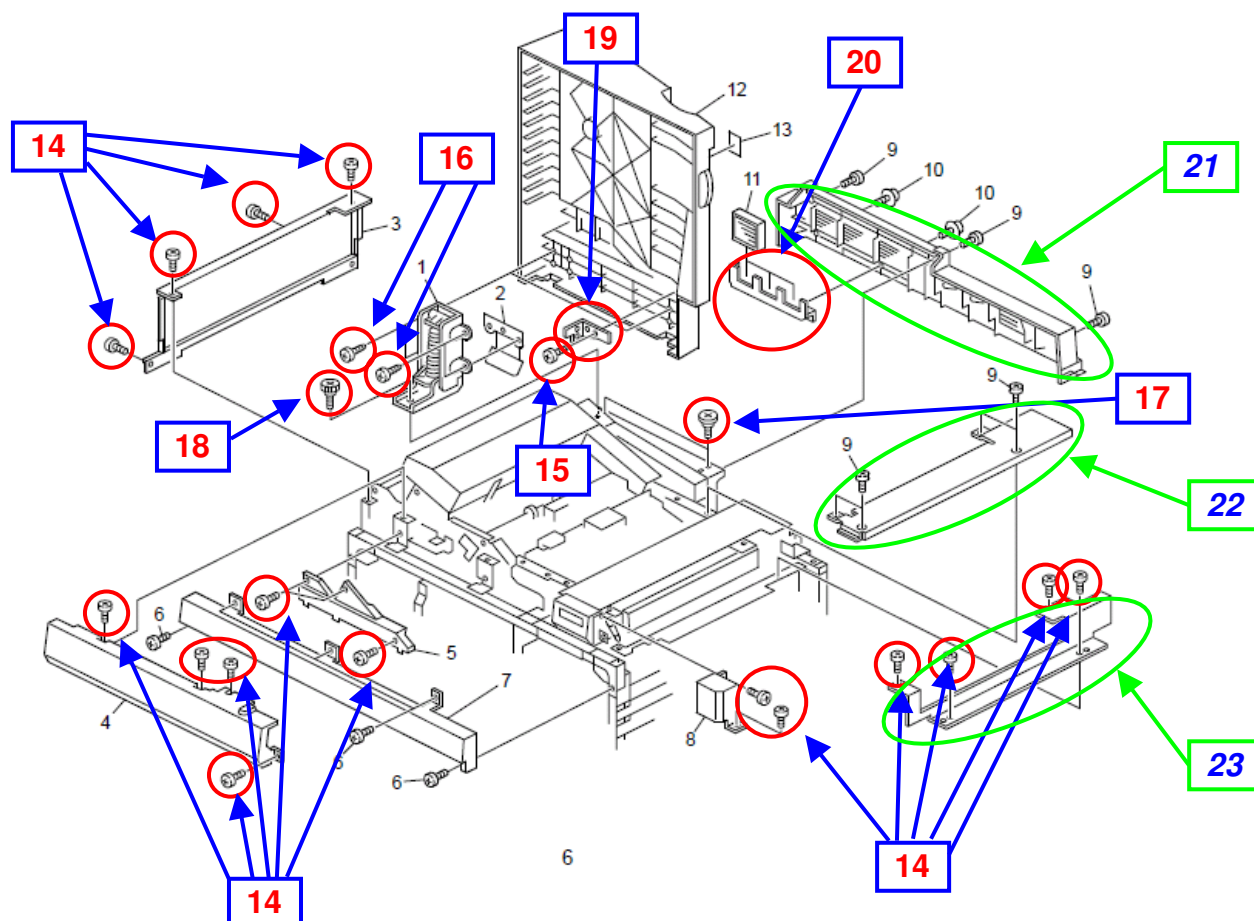
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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3.Exterior 3 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
B6604835	Screw:NS-SCR00045A	16	-	6	14	Add
D3911117	Binding Self-Tapping Screw: M3X8: 030080FWBB	1	-	6	15	Add
D3911131	Binding Self-Tapping Screw: M4X10: 040100FWBB	4	-	6	16	Add
D3914111	Screw:PF3091P352	2	-	6	17	Add
D3914112	Screw:PF3091P356	1	-	6	18	Add
D3912036	Feeler:Sensor:PF4140Q523	1	-	6	19	Add
D3912037	Bracket:Holder:Filter:PF4140Q559	1	-	6	20	Add
D3912038	COVER:REAR UPPER:PF4155Q534	1	-	6	21	Add
D3912039	COVER:UPPER MIDDLE:PF4155Q509	1	-	6	22	Add
D3912040	COVER:RIGHT UPPER:PF3099P808	1	-	6	23	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3912004	Cover:Left Upper: PF4140Q507E	Cover:Left:Upper: PF4155Q507	1	-	6	3
D3912015	Cover:Left Front:Upper: PF4140Q538C1	Cover:Left Front: Upper: PF4155Q538	1	-	6	4
D3912003	Cover:Front Upper: PF4140Q505C	Cover:Front Upper: PF4155Q505	1	-	6	7
D3912014	Cover:Right Front:Upper: PF4140Q536B1	Cover:Right Front:Upper: PF4155Q536	1	-	6	8
D3912011	Cover:Upper:Open/Close: PF4140Q533C1	Cover:Upper:Open/Close: PF4155Q533	1	-	6	12

3.Exterior 3 (D391)



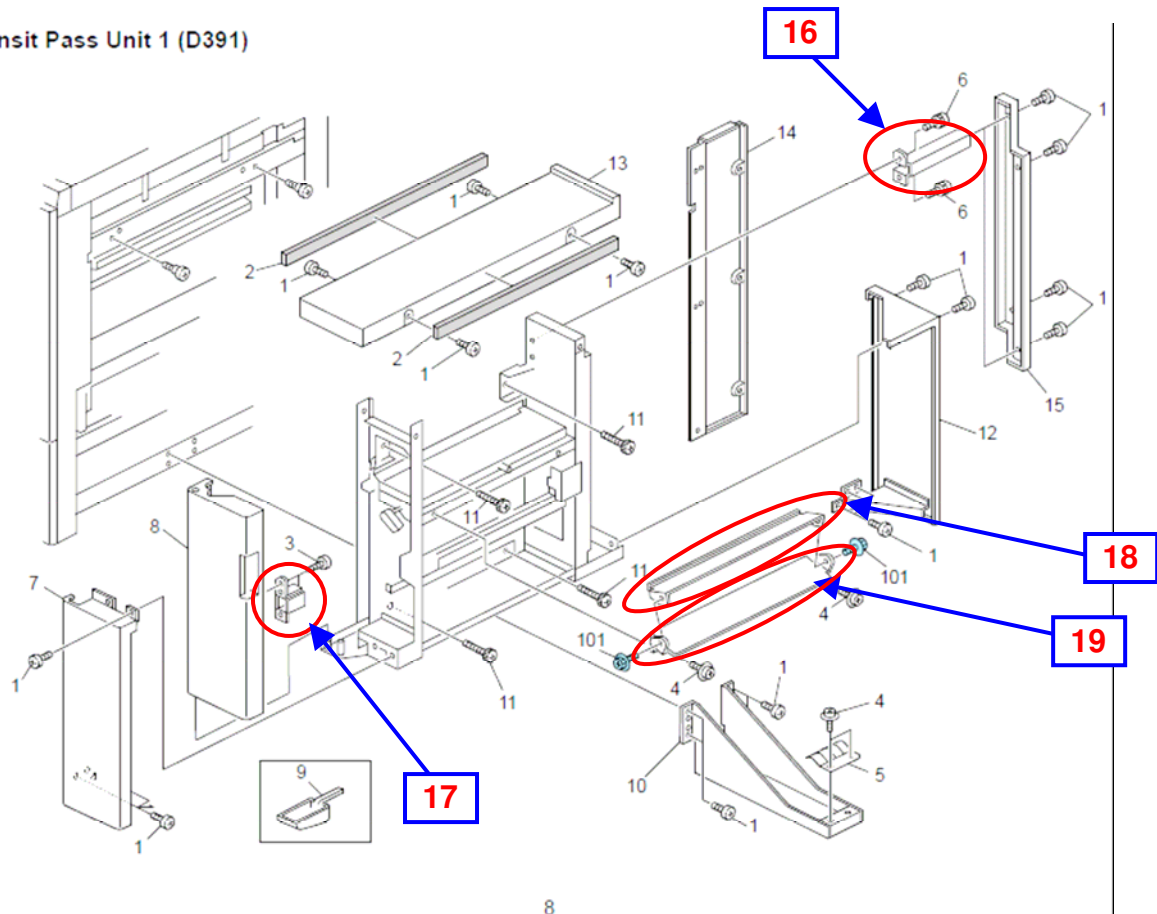
Reissued: 28-Jan-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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4.Transit Pass Unit 1 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914513	Bracket:Cover:Rear:PF4165Q625	1	-	8	16	Add
D3914514	Bracket:Magnet Catch:PF4165Q626	1	-	8	17	Add
B6601768	Guide Plate:Connecting:PF4147P818A	1	-	8	18	Add
B8307511	Guide Plate:Connecting:Lower	1	-	8	19	Add

4.Transit Pass Unit 1 (D391)



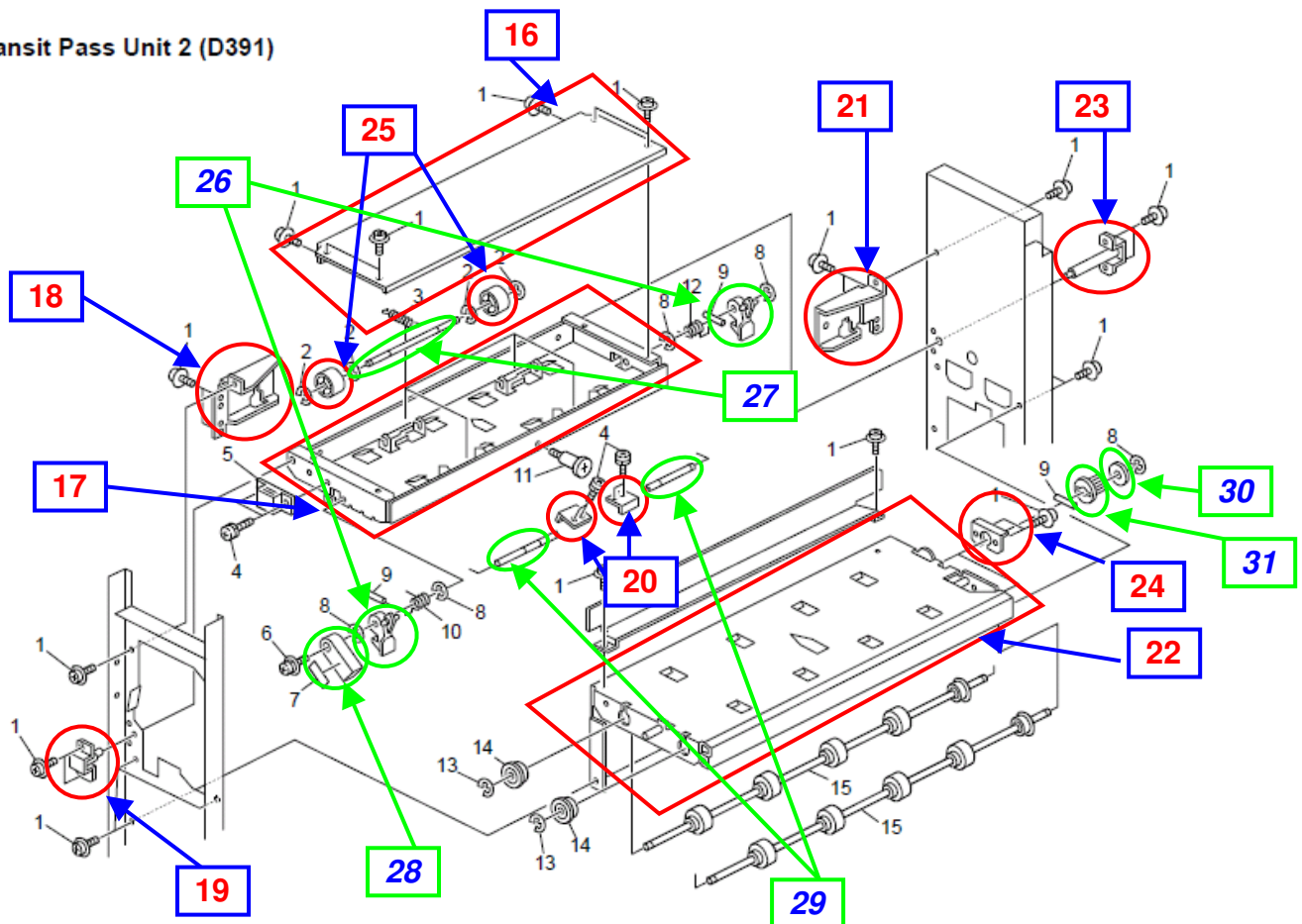
Reissued: 28-Jan-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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5.Transit Pass Unit 2 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914515	Cover:Upper:PF4165Q618	1	-	10	16	Add
D3914516	Stay:Transport:Upper:PF4165Q604	1	-	10	17	Add
D3914517	Bracket:Transport:Front:PF4165Q607	1	-	10	18	Add
D3914526	Shaft:Transport Sub-Unit: Front: PF4165K604	1	-	10	19	Add
D3914529	Plate:Release:PF4140P637	2	-	10	20	Add
D3914531	Bracket:Transport:Rear:PF4165Q608	1	-	10	21	Add
D3914532	Stay:Transport:Lower:PF4165Q606	1	-	10	22	Add
D3914533	Shaft:Transport Sub-Unit: Rear:PF4165K605	1	-	10	23	Add
D3914536	Bracket:Shaft:Transport Roller: PF4165Q609	1	-	10	24	Add
D3911350	Collar:PF4140P958A	2	-	10	25	Add
D3914528	BRACKET:RELEASE:PF4140P120	2	-	10	26	Add
D3914518	SHAFT:ROLLER:PF4140P618	1	-	10	27	Add
D3914519	HOLDER:SHAFT:RELEASE:PF4155P607	2	-	10	28	Add
D3914530	SHAFT:RELEASE:PF4165Q651	1	-	10	29	Add
D3914535	FLANGE:TIMING PULLEY:PF4099P225	1	-	10	30	Add
D3914534	TIMING PULLEY:S2MX16:PF4140P631	1	-	10	31	Add

5.Transit Pass Unit 2 (D391)



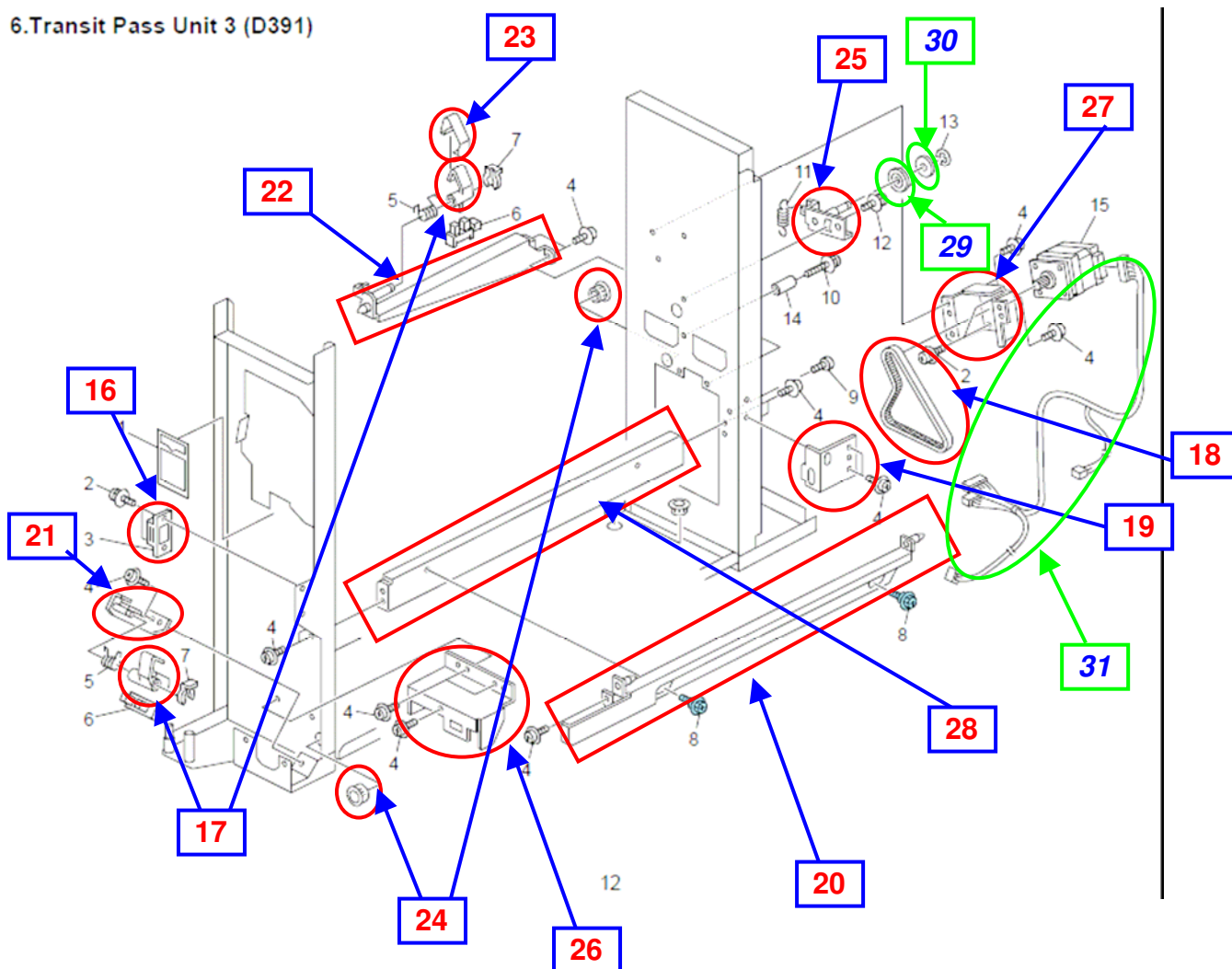
Reissued: 28-Jan-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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6.Transit Pass Unit 3 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
B6601111	Magnet Catch:13N:PF2214P393A	1	-	12	16	Add
D3911328	Lever:Sensor:PF4140P614B2	2	-	12	17	Add
D3914525	Synchronous Belt:NS-BLT00452A	1	-	12	18	Add
B6601436	Bracket:Ground Plate:PF4147P139A	1	-	12	19	Add
B6601212	Lever:Coupling:PF4147P197A	1	-	12	20	Add
D3914537	Bracket:Sensor:PF4140K059:PEEN	1	-	12	21	Add
D3914538	Bracket:Sensor:Release:PF4165K608	1	-	12	22	Add
D3914539	Spring Plate: Sensor: Release: PF4140P714	1	-	12	23	Add
D3914540	Timing Pulley:E450001234	2	-	12	24	Add
D3914541	Bracket:Tightener:PF4165K606	1	-	12	25	Add
D3914542	Cover:Sensor:Release:PF4165Q619	1	-	12	26	Add
D3914545	Bracket:Dc Stepper Motor: PF4140P629	1	-	12	27	Add
D3914547	Stay:Right:PF4165Q603	1	-	12	28	Add
D3914543	ROLLER:SYNCHRONOUS BELT: PR5100P216	1	-	12	29	Add
D3914544	FLANGE:ROLLER:PF4099P950	1	-	12	30	Add
D3914546	HARNESS:JOINT UNIT:PF4165K906	1	-	12	31	Add

6.Transit Pass Unit 3 (D391)



Reissued: 28-Jan-10

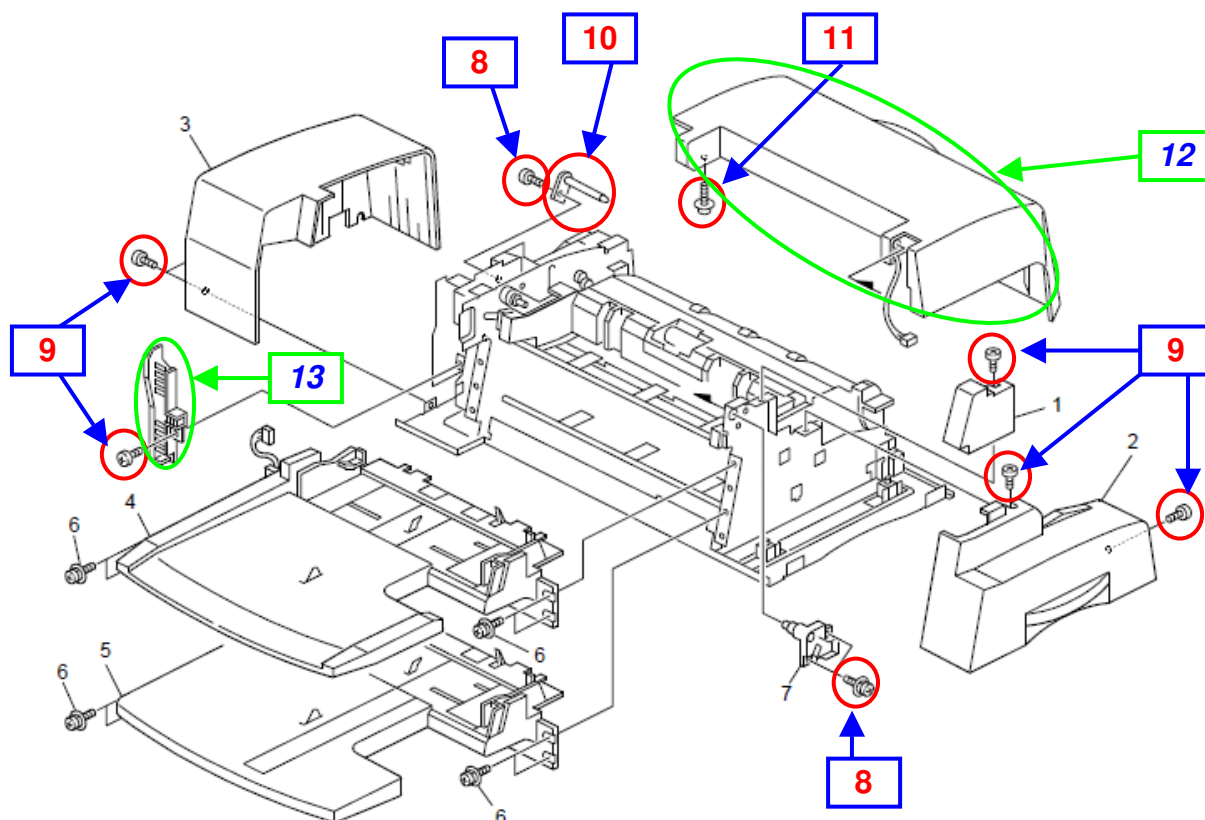
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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7.Inserter Section 1 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911116	Screw With Washer: M3X6:030060FWWS	3	-	14	8	Add
B6604835	Screw: NS-SCR00045A	5	-	14	9	Add
D3914114	Stopper:Open And Close: Cover: PF3091K015:PEEN	1	-	14	10	Add
D3914116	Tapping Screw:M3X8:030080FWTP	1	-	14	11	Add
D3914115	COVER:UPPER:PF3099P004	1	-	14	12	Add
D3914113	DUCT:UPPER:PF3091P095	1	-	14	13	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914030	Cover:Front:Sub:PF3091P002A	Cover:Front:Sub:PF3099P002	1	-	14	1
D3914029	Cover:Front:PF3091P001A	Cover:Front:PF3099P001	1	-	14	2
D3914031	Cover:Rear:PF3091P003A	Cover:Rear:PF3099P003	1	-	14	3
D3914026	Tray Unit: Upper: PF3091K152A:Ass'y	Tray Unit: Upper: PF3099K152:Ass'y	1	-	14	4
D3914025	Tray Unit: Lower: PF3091K144A:Ass'y	Tray Unit: Lower: PF3099K144:Ass'y	1	-	14	5

7.Inserter Section 1 (D391)



Reissued: 28-Jan-10

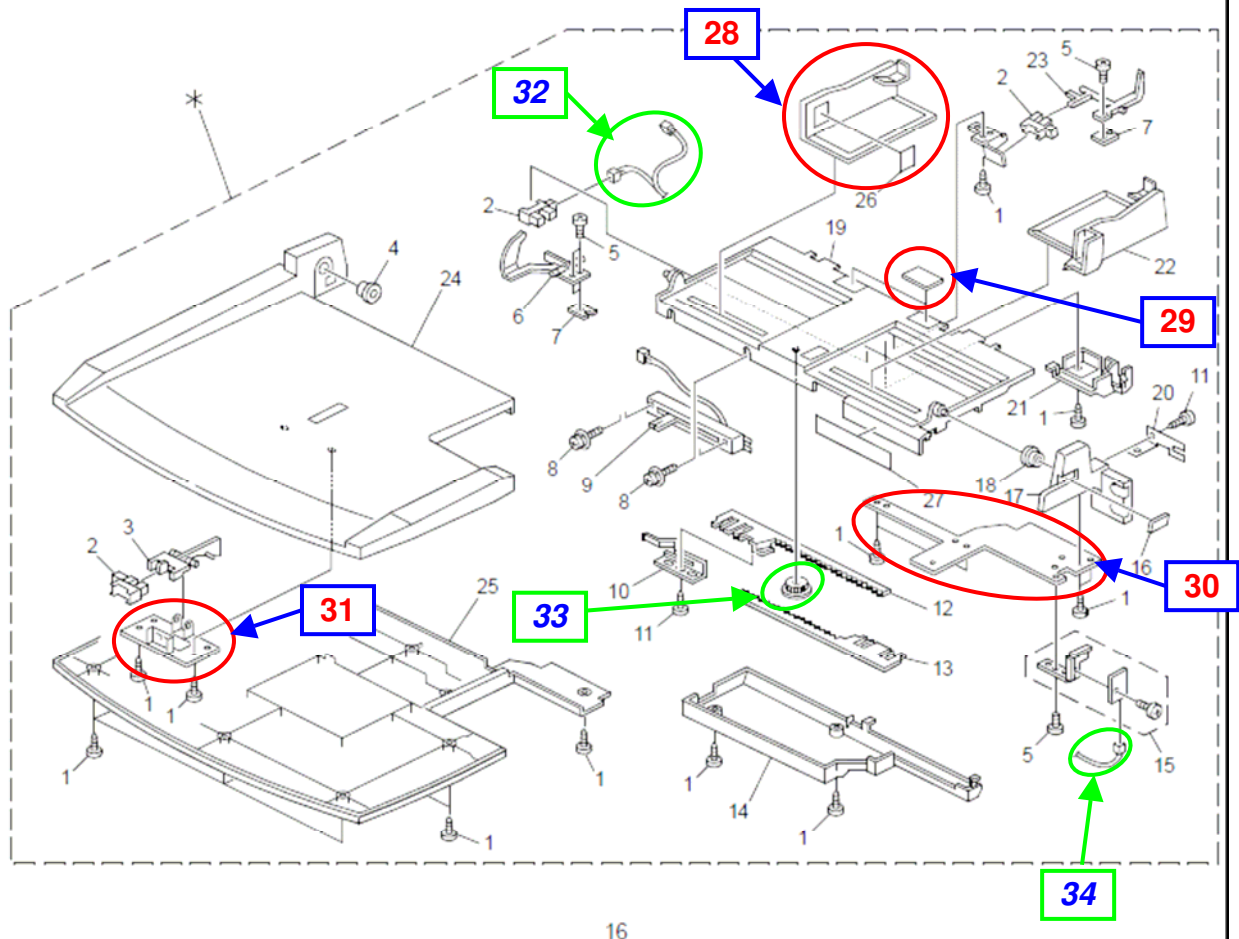
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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8.Inserter Section 2 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914118	Side Fence:Tray:Upper:PF3099P023	1	-	16	28	Add
D3914119	Friction Pad:Pickup:PF3091P327	1	-	16	29	Add
D3914121	Frame:Tray:PF3091P120	1	-	16	30	Add
D3914125	Holder:Sensor:PF3091P045	1	-	16	31	Add
D3914117	HARNESS:TRAY:UPPER:PF3099K911	1	-	16	32	Add
D3914124	GEAR:PINION:TRAY:PF3091P053	1	-	16	33	Add
D3914122	HARNESS: DESIGN SKETCH: LED: PF3091K320	1	-	16	34	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914026	Tray Unit: Upper: PF3091K152A:Ass'y	Tray Unit: Upper: PF3099K152:Ass'y	1	-	16	*
D3914061	Lever:PF3091P046A	Lever:PF3099P046	1	-	16	3
D3914063	Lever:PF3091P048A	Lever:PF3099P048	1	-	16	6
D3914046	Cover:Tray:Upper Lower: PF3091P021A	Cover:Tray:Upper Lower: PF3099P021	1	-	16	14
D3914044	Tray:Base:Sub:PF3091P015A	Tray:Base:Sub:PF3099P015	1	-	16	17
D3914021	Tray:Upper Lower:Bin: Upper: PF3091K102A	Tray:Upper Lower:Bin:Upper: PF3099K102	1	-	16	19
D3914047	Guide:Tray:Upper:Front: PF3091P022A	Guide:Tray:Upper:Front: PF3099P022	1	-	16	22

8.Inserter Section 2 (D391)



Reissued: 28-Jan-10

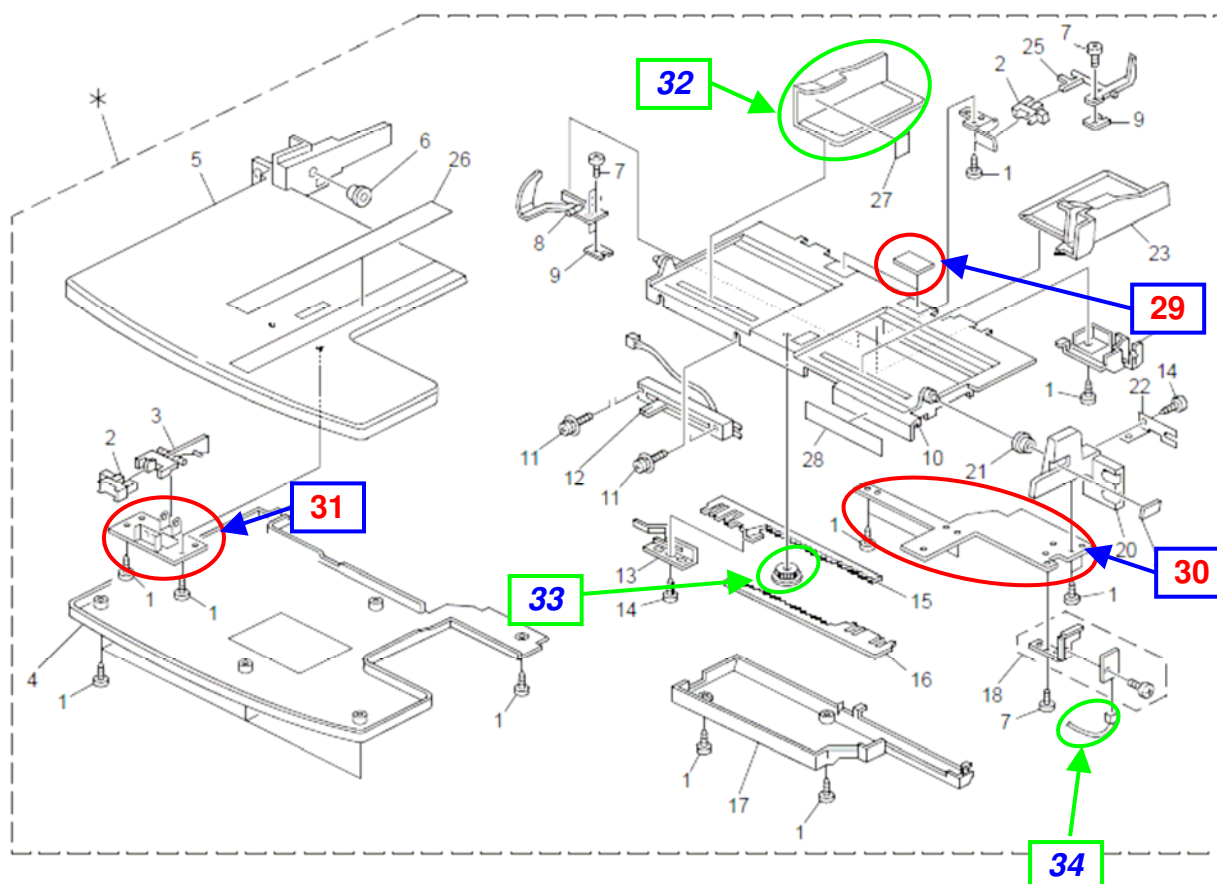
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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9.Inserter Section 3 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914119	Friction Pad:Pickup:PF3091P327	1	-	18	29	Add
D3914121	Frame:Tray:PF3091P120	1	-	18	30	Add
D3914125	Holder:Sensor:PF3091P045	1	-	18	31	Add
D3914126	SIDE FENCE:TRAY:LOWER:PF3099P025	1	-	18	32	Add
D3914124	GEAR:PINION:TRAY:PF3091P053	1	-	18	33	Add
D3914130	HARNESS:BIN DISPLAY:PF3091K326	1	-	18	34	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914025	Tray Unit: Lower: PF3091K144A:Ass'y	Tray Unit: Lower: PF3099K144:Ass'y	1	-	18	*
D3914045	Cover:Tray:Lower: PF3091P017A	Cover:Tray:Lower: PF3099P017	1	-	18	4
D3914033	Base:Tray:Lower:PF3091P014A	Base:Tray:Lower: PF3099P014	1	-	18	5
D3914063	Lever:PF3091P048A	Lever:PF3099P048	1	-	18	8
D3914044	Tray:Base:Sub:PF3091P015A	Tray:Base:Sub:PF3099P015	1	-	18	20
D3914048	Guide:Tray:Lower:Front: PF3091P024A	Guide:Tray:Lower:Front: PF3099P024	1	-	18	23
D3914022	TRAY:UPPER LOWER: BIN: LOWER: PF3091K103A	TRAY:UPPER LOWER: BIN: LOWER: PF3099K103A	1	-	18	10

9.Inserter Section 3 (D391)



Reissued: 28-Jan-10

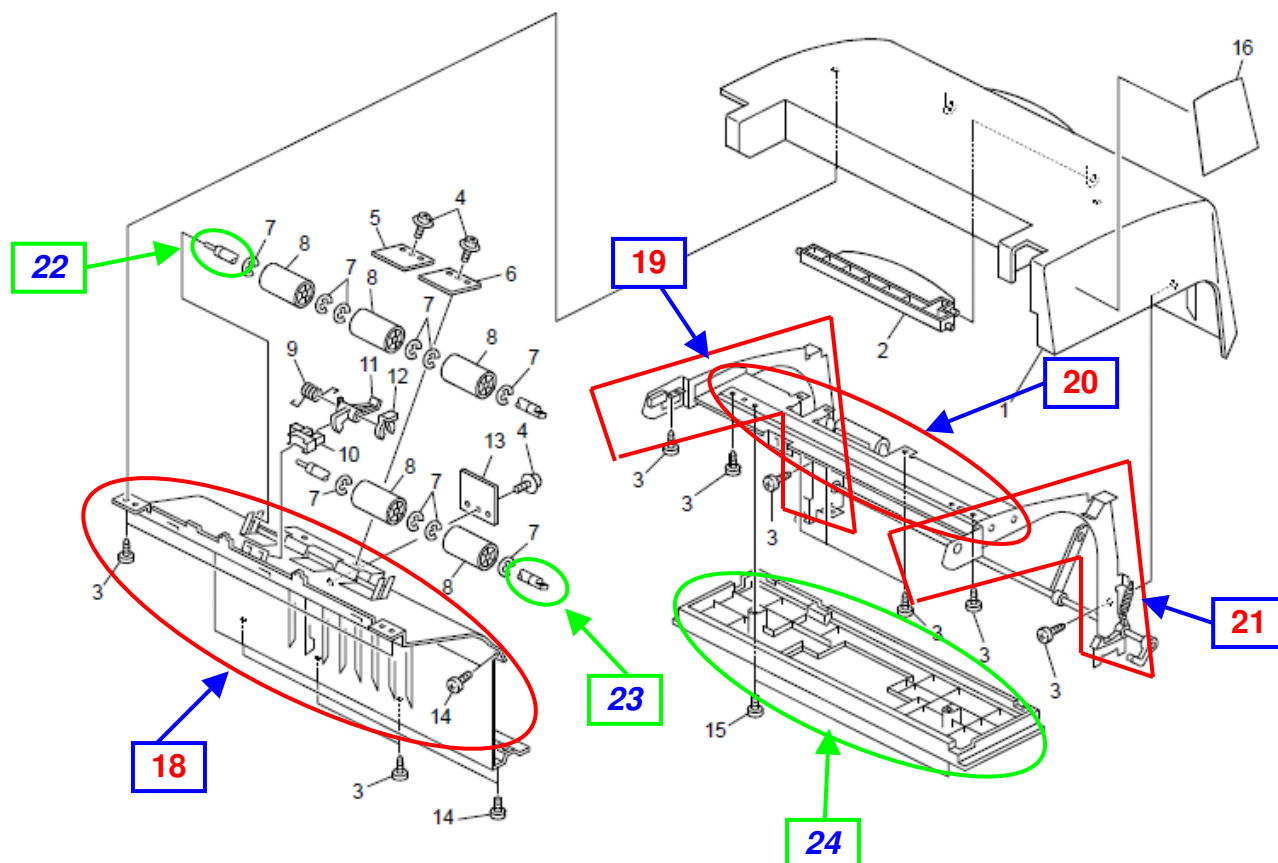
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016a
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10.Inserter Section 4 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914136	Guide:Bin:Upper:PF3091P111	1	-	20	18	Add
D3914137	Side Plate:Cover:Rear:PF3091P109	1	-	20	19	Add
D3914138	Stay:Cover:Upper:PF3091P110	1	-	20	20	Add
D3914139	Side Plate:Cover:Front:PF3091P108	1	-	20	21	Add
D3914134	SHAFT:REGISTRATION ROLLER: PF3091P213	1	-	20	22	Add
D3914135	SHAFT:TRANSPORT ROLLER:PF3091P214	1	-	20	23	Add
D3914140	GUIDE:PICKUP:PF3091P007	1	-	20	24	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914032	Cover:Upper:PF3091P004A	Cover:Upper:PF3099P004	1	-	20	1
D3914052	Lever:Open And Close:Cover: Upper: PF3091P029A	Lever:Open And Close:Cover: Upper: PF3099P029	1	-	20	2

10.Inserter Section 4 (D391)



Model: Perfect Binder GB5000

Date:16-Nov-09

No.: RD391017

Subject: STAY: Gear:Worm Gear:100:PF4140P484A2

Prepared by: T. Tadokoro

From: PPBG Service Planning Department 1G

Classification:

☐ Troubleshooting

☒ Part information

☐ Action required

☐ Mechanical

☐ Electrical

☐ Service manual revision

☐ Paper path

☐ Transmit/receive

☐ Retrofit information

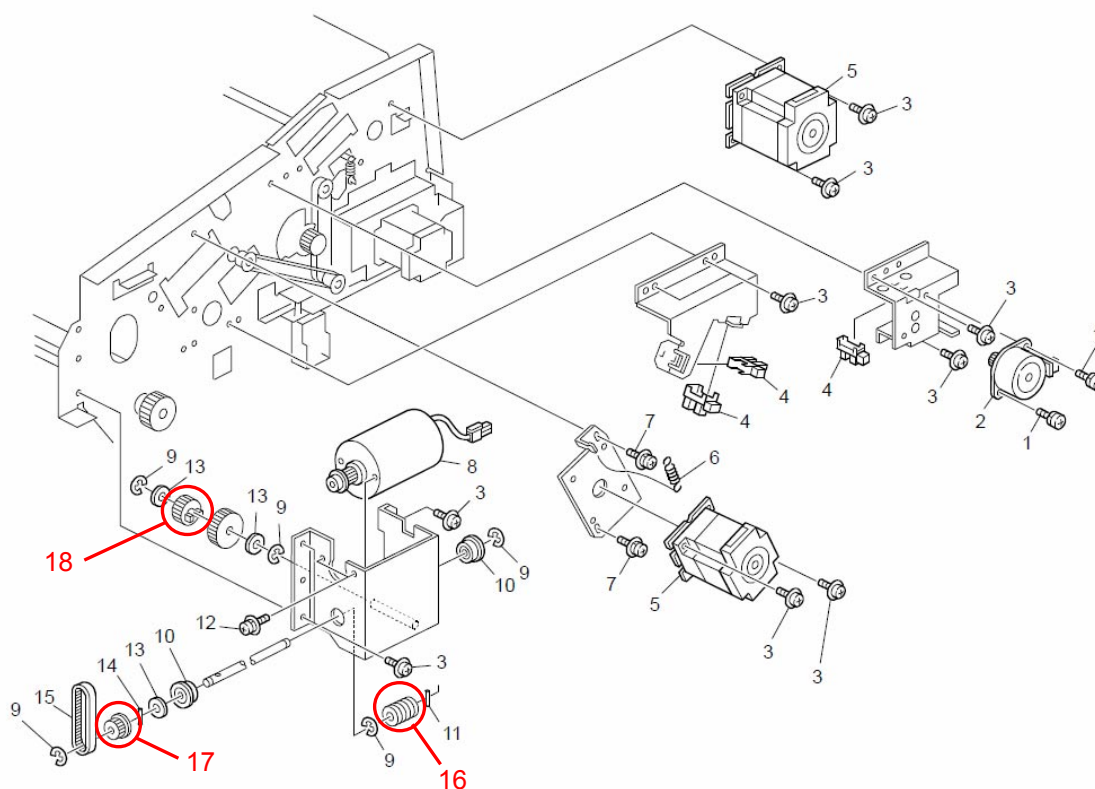
☐ Other ()

The following parts have been registered as service parts.

30.Signature Delivery Section 4 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911490	Gear:Worm Gear:100:PF4140P484A2	1	-	61	16	Add
D3911492	Pulley:T18:PF4140P998A	1	-	61	17	Add
D3911496	Gear:100-20-30:PF4140P488B2	1	-	61	18	Add

30.Signature Delivery Section 4 (D391)



Model: Perfect Binder GB5000

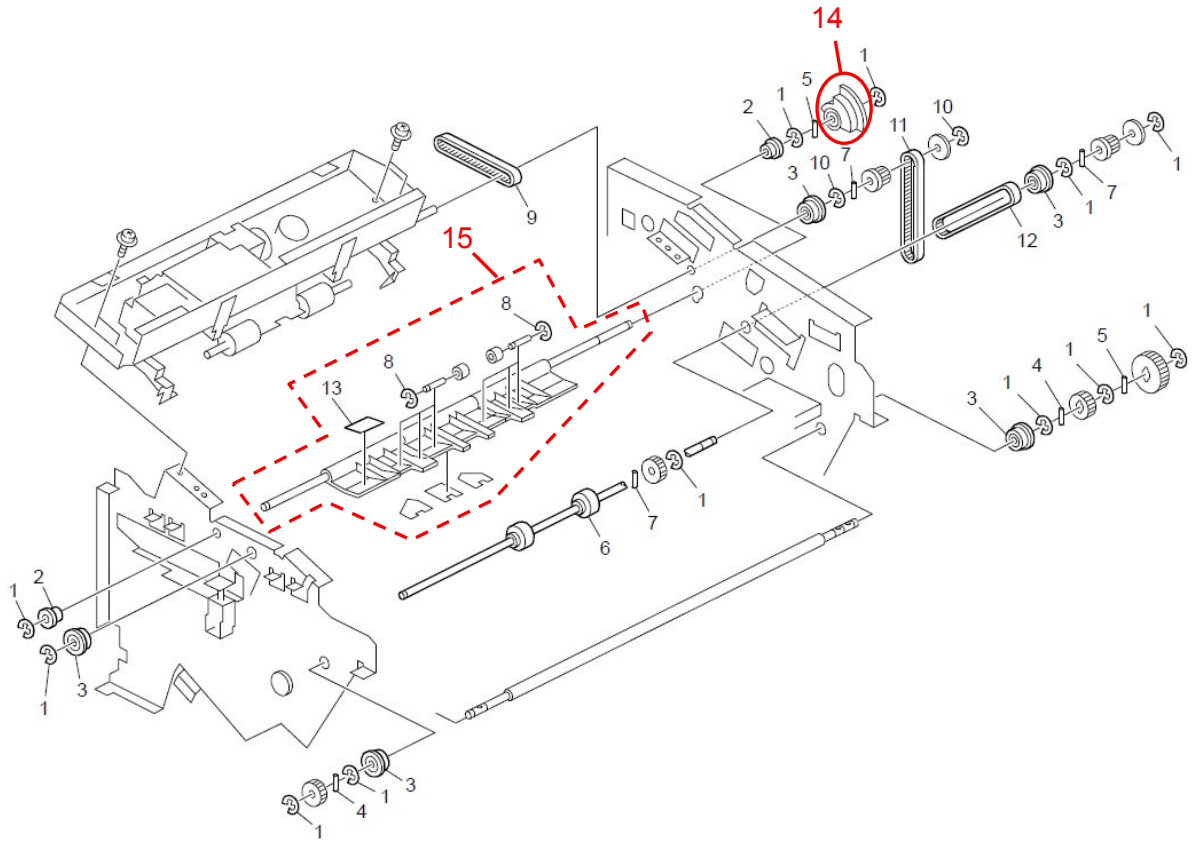
Date:16-Nov-09

No.: RD391017

31.Signature Delivery Section 5 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911504	Gear:Switchback:PF4140P201A2	1	-	63	14	Add
D3911508	Vibrating Plate:Tray:PF4155L105:Ass'y	1	-	63	15	Add

31.Signature Delivery Section 5 (D391)



Model: Perfect Binder GB5000

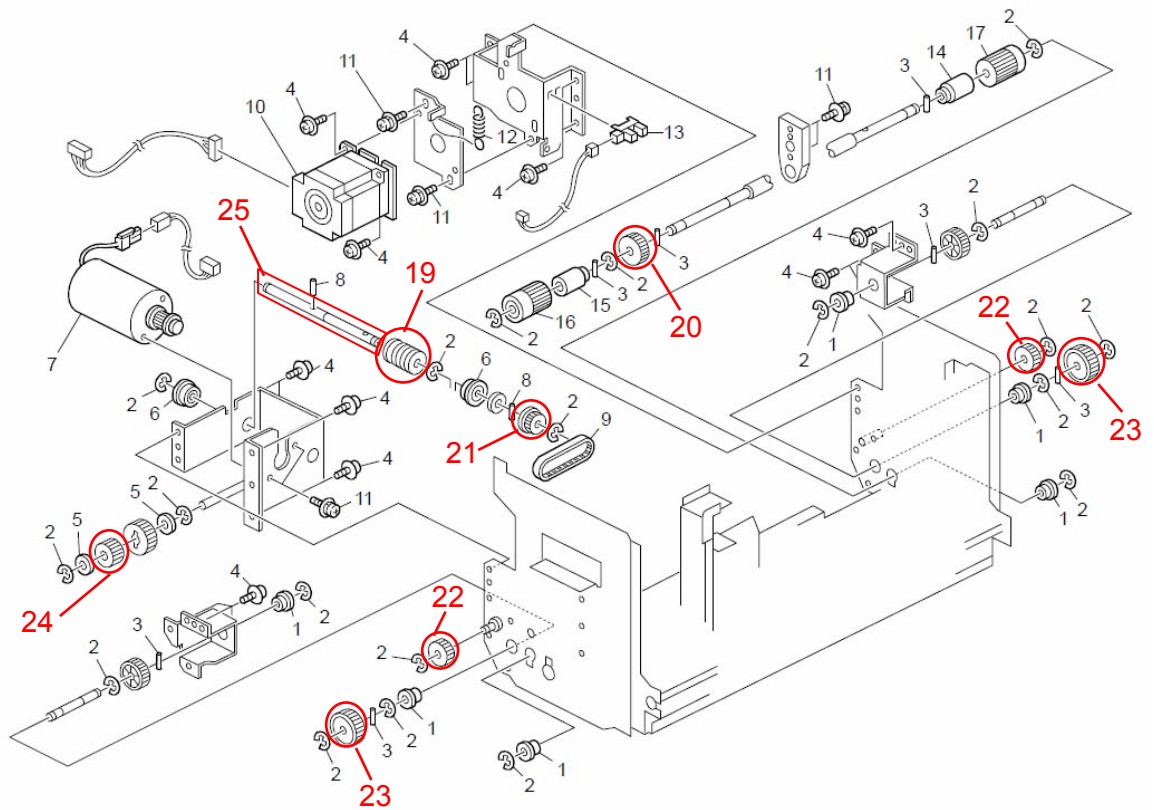
Date:16-Nov-09

No.: RD391017

39.Sub Gripper Section 2 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911490	Gear:Worm Gear:100:PF4140P484A2	1	-	79	19	Add
D3911491	Gear:Z24:PF4140P387A	1	-	79	20	Add
D3911492	Pulley:T18:PF4140P998A	1	-	79	21	Add
D3911493	Gear:Grip:Main:PF4140P406A1	2	-	79	22	Add
D3911494	Gear:Z30:PF4140P996A	2	-	79	23	Add
D3911496	Gear:100-20-30:PF4140P488B2	1	-	79	24	Add
D3911503	Shaft:Gear:Worm Gear:PF4140P388	1	-	79	25	Add

39.Sub Gripper Section 2 (D391)



Model: Perfect Binder GB5000

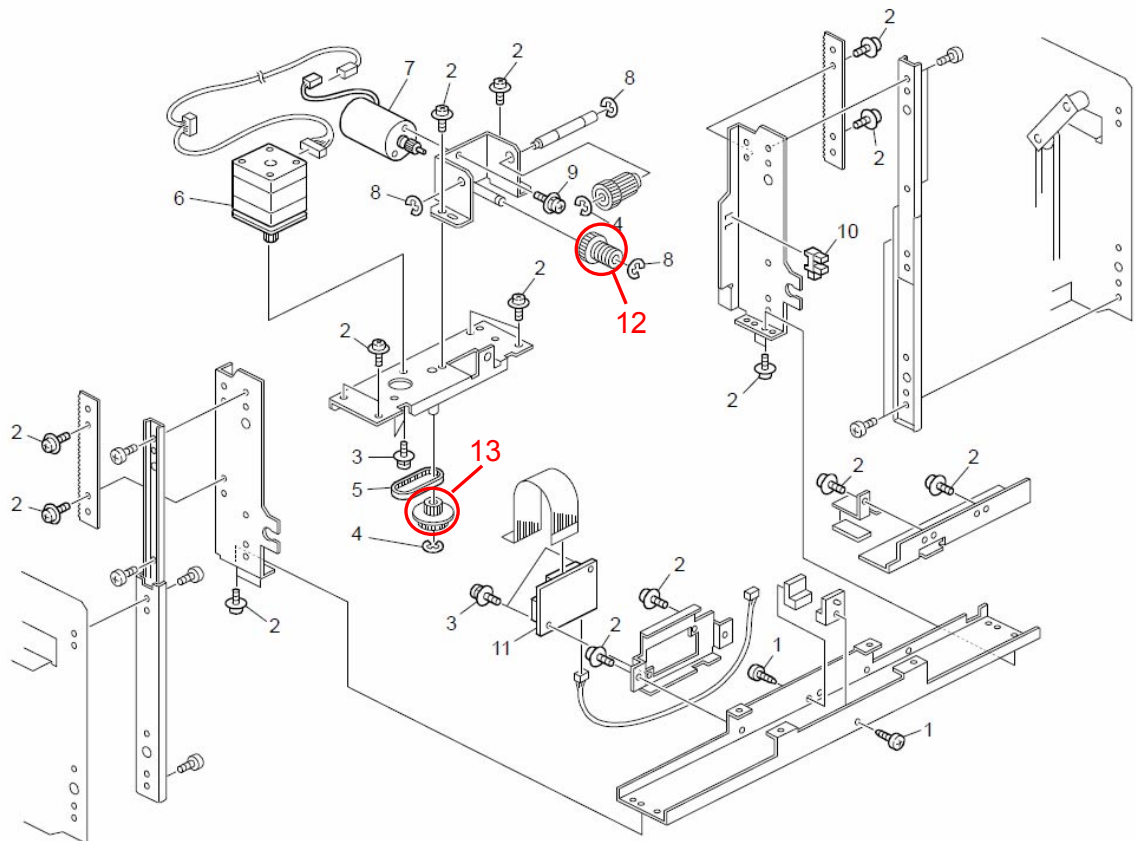
Date:16-Nov-09

No.: RD391017

41.Sub Gripper Section 4 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911497	Gear:Worm Gear:PF4140P383A2	1	-	83	12	Add
D3911498	Pulley:T20:PF4140P338A1	1	-	83	13	Add

41.Sub Gripper Section 4 (D391)



Model: Perfect Binder GB5000

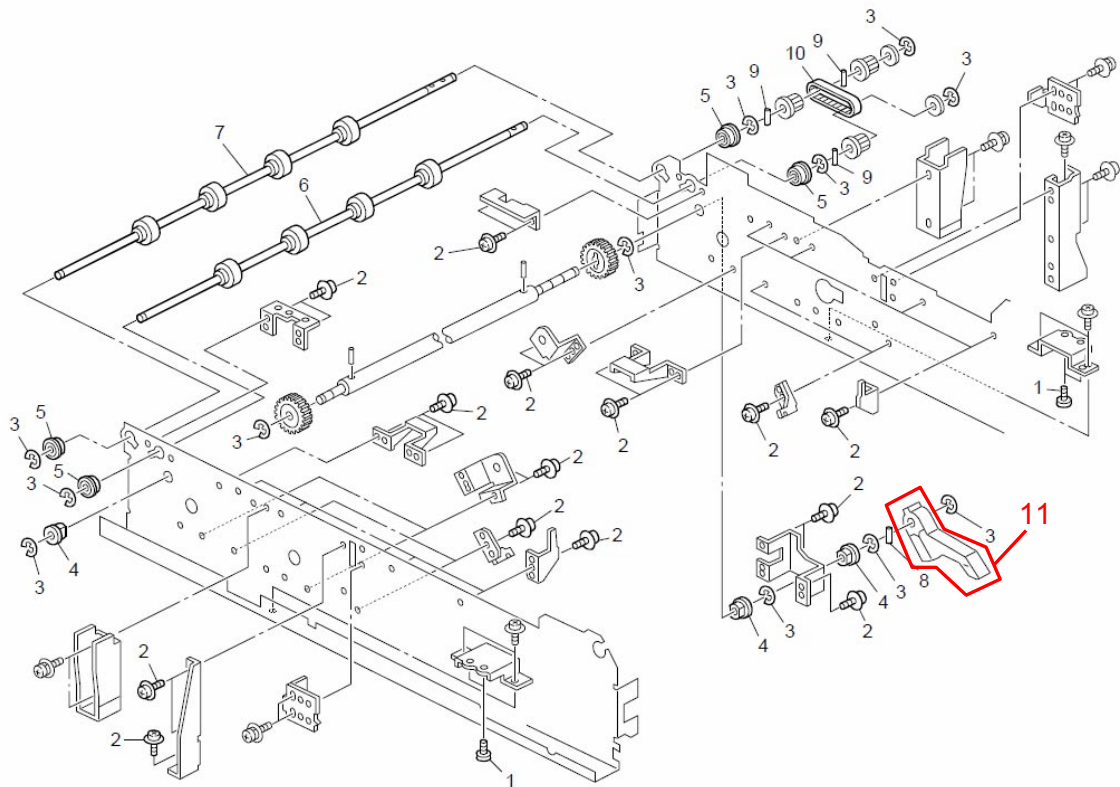
Date:16-Nov-09

No.: RD391017

67.Cover Feed Path Section 11 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911499	Lever:Release:PF4140P722D1	1	-	135	11	Add

67.Cover Feed Path Section 11 (D391)



Model: Perfect Binder GB5000

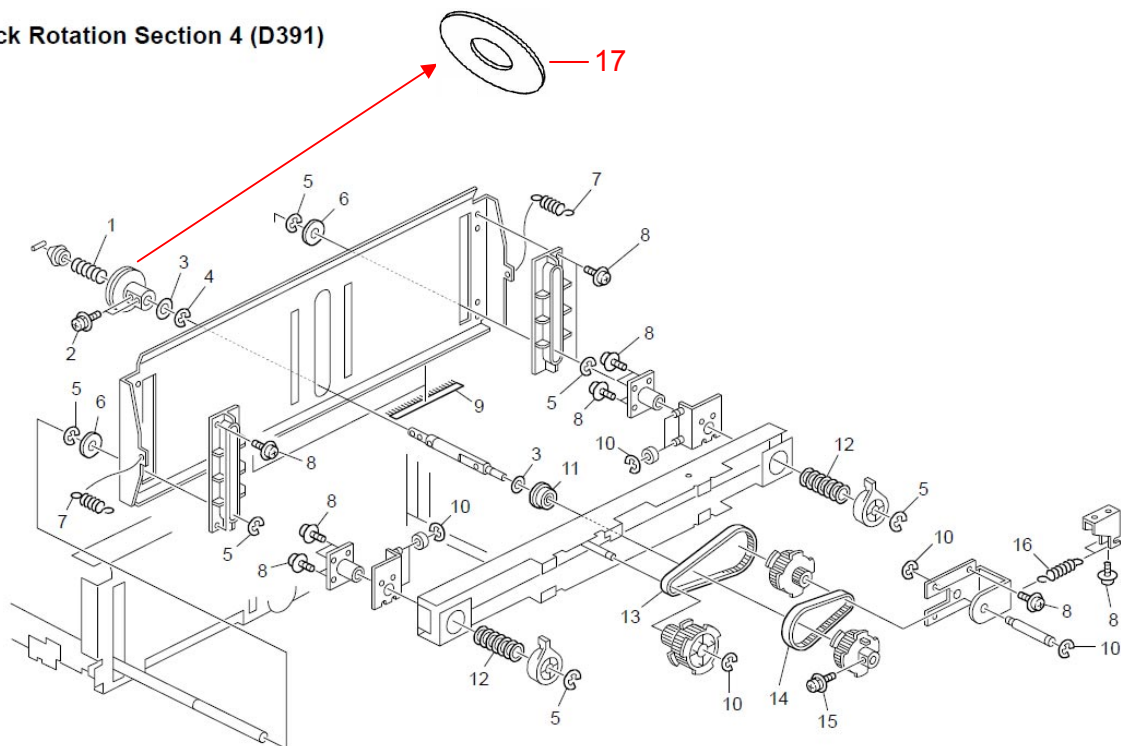
Date:16-Nov-09

No.: RD391017

79.Stack Rotation Section 4 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911481	Sheet:Turn:PF4140Q204	1	-	159	17	Add

79.Stack Rotation Section 4 (D391)



Model: Perfect Binder GB5000

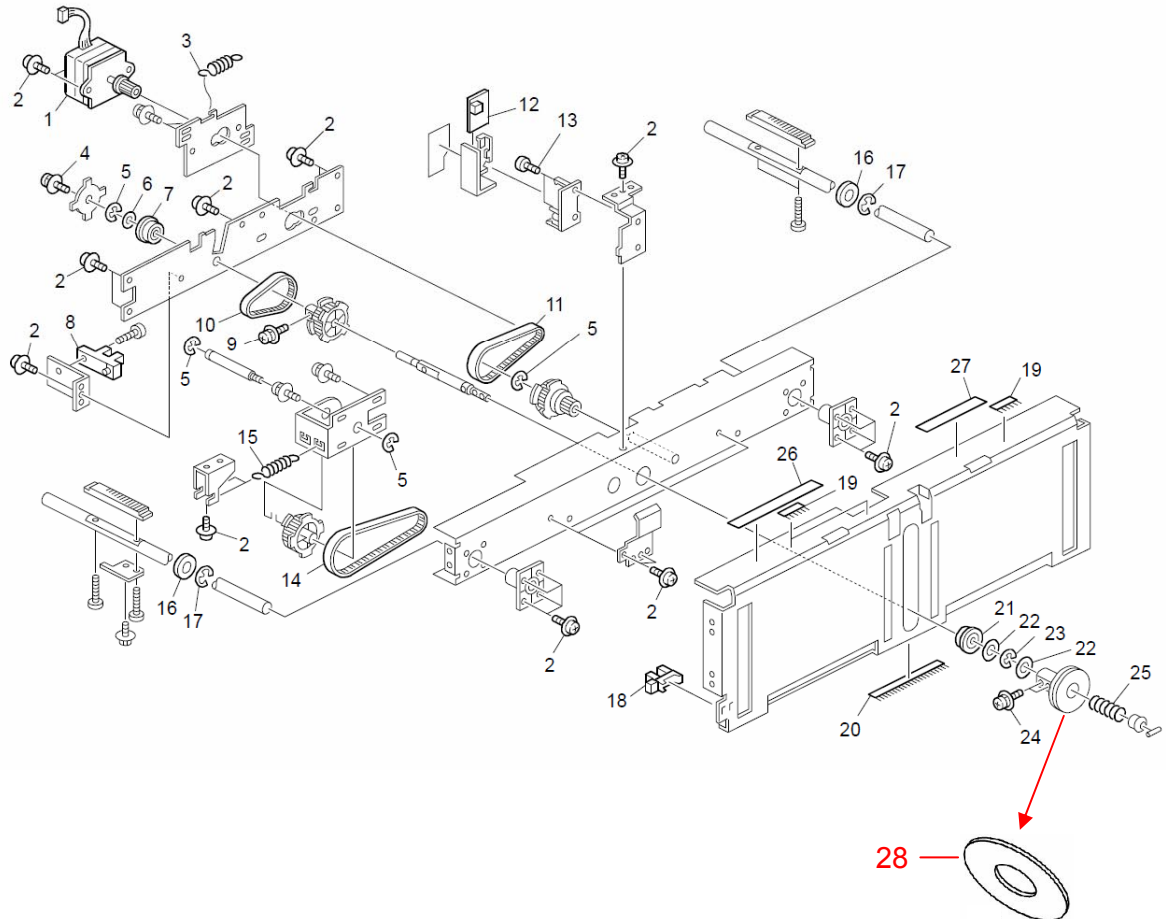
Date:16-Nov-09

No.: RD391017

81.Stack Rotation Section 6 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911481	Sheet:Turn:PF4140Q204	1	-	163	28	Add

81.Stack Rotation Section 6 (D391)



Model: Perfect Binder GB5000

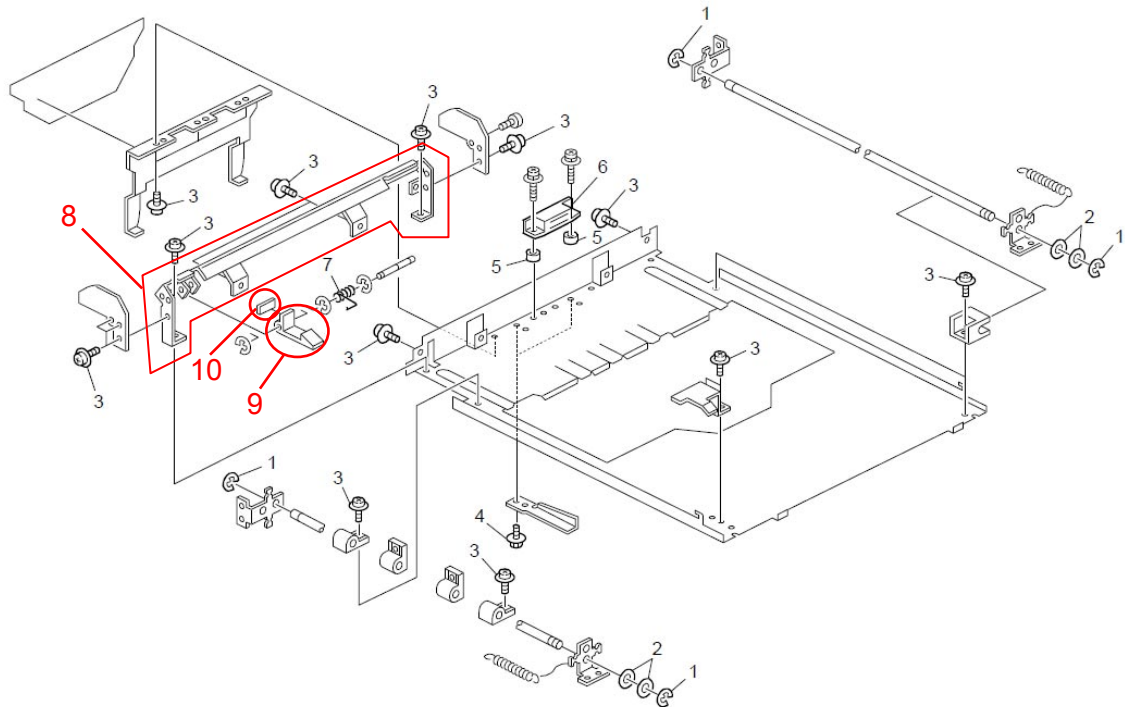
Date:16-Nov-09

No.: RD391017

86.Waste Paper Case Section 4 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3911501	Bracket:Shutter:Exhaust:PF4155K333	1	-	173	8	Add
D3911502	Hook:Arm:PF4140Q815A	1	-	173	9	Add
D3911505	Cushion:PF4140Q816	1	-	173	10	Add

86.Waste Paper Case Section 4 (D391)



Model: Perfect Binder GB5000

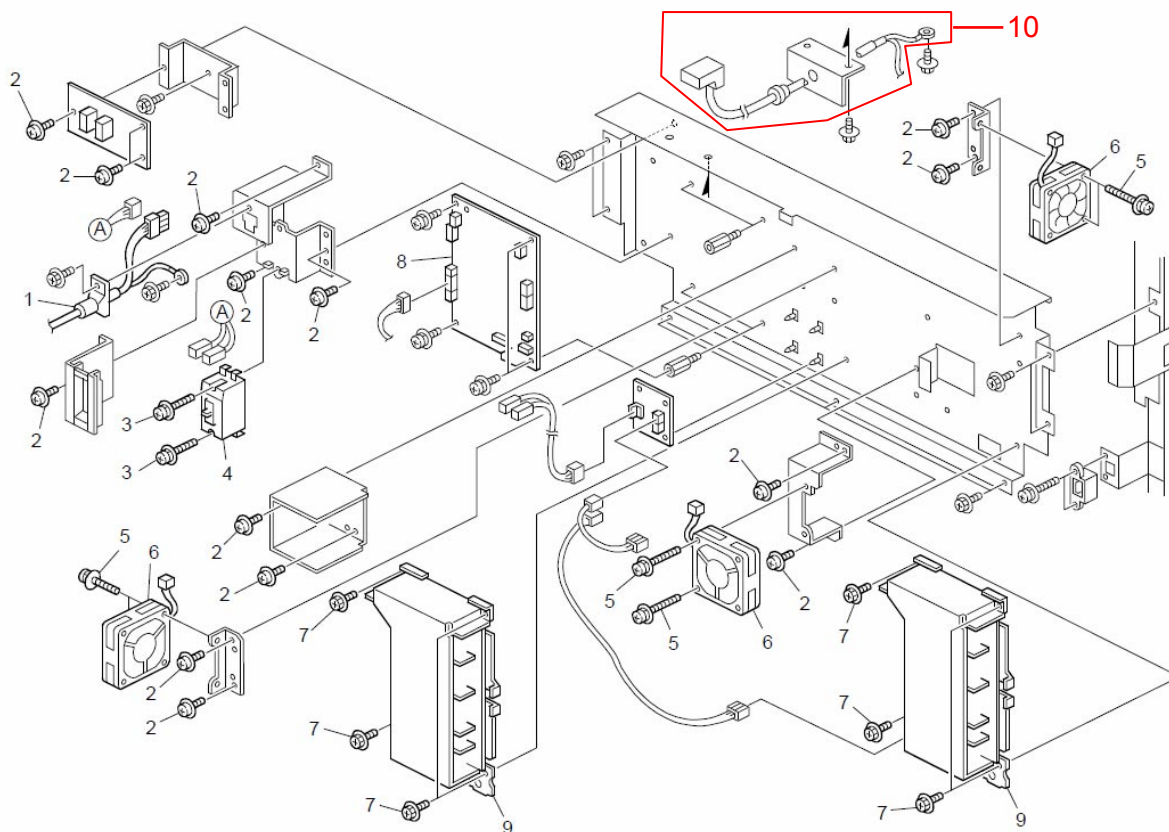
Date:16-Nov-09

No.: RD391017

93.Electrical Section 2 (D391)

New part number	Description	Q'ty	Int	Page	Index	Note
D3915311	Interface Cable:Inner Assembly:PF4155K201	1	-	187	10	Add

93.Electrical Section 2 (D391)



Reissued: 08-Dec-09

Model: Perfect Binder GB5000	Date: 20-June -08	No.: RD391002c
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: P-Binder_B2		Prepared by: K. Tsutsui	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B2**.

Version	Program No.	Effective Date
<i>0.220:00</i>	<i>D3915070D</i>	<i>December 2009 production</i>
0.210:00	D3915070C	October 2009 production
0.19:00	D3915070B	December 2008 production
0.18 1.19	D3915070A	1st Mass production.

Version	Modified Points or Symptom Corrected
<i>0.220:00</i>	<p><i>Note:</i> <i>This F/W update is for the adjustment for the switchback roller when the following problem occurs in the field.</i> <i>Once this F/W is installed, you don't have to uninstall it and you can use it in normal operation.</i> <i>Also, please refer to the additional RTB which we will release soon for details on this issue.</i></p> <p><i>When applying this firmware, ensure the other firmware versions are as below (or newer).</i> <i>If firmware versions are not as indicated below, please update the firmware(s).</i></p> <p><i>P-Binder_B1:D3915020D:Ver0.310:11 (NOTE 2)</i> <i>P-Binder_B2:D3915070D:Ver0.220:00</i> <i>P-Binder_B3:D3915730A:Ver0.130:00(NOTE 1)(NOTE 2)</i> <i>P-Binder_B4:D3915120B:Ver0.150:00 (NOTE 2)</i> <i>P-Binder_B5:D3915170B:Ver0.260:00 (NOTE 2)</i></p> <p><i>(NOTE 1)P-Binder_B3 will operate without any problems if "D3915730:Ver0.12" is installed.(Due to changes in P/N displayed on the control panel and information on firmware version.)</i> <i>(NOTE 2)Firmware will not be modified for the current problem.</i></p> <p><i>Symptom:</i></p>

Reissued: 08-Dec-09

Model: Perfect Binder GB5000		Date: 20-June -08	No.: RD391002c
Version	Modified Points or Symptom Corrected		
	<p><i>Sheets fall out from the booklet due to misalignment that occurs at the stacking area in which the paper edge is shifted 5-20 mm in the paper feed direction and prevents the shifted sheets from being glued. The above causes signature sheets to fall out from the glue-bound booklets.</i></p> <p><i>Cause:</i> <i>Due to the actual space between the tray and the switchback roller exceeding the target value.</i> <i>Target value: 3~4mm</i> <i>Amount of space found in the affected units: 6mm</i> <i>In the stacking area, the switchback roller drops down onto the surface of the sheet and rotates in order to align the sheets by striking the paper edge against the plate.</i> <i>However, due to the switchback roller being positioned too high, the roller bounces off when dropping onto the surface of the sheet causing an incomplete conveyance of the rotation drive to the sheet, and disables the paper edge from reaching the plate for alignment.</i></p> <p><i>Countermeasures:</i> <i>Enable to adjust the Home position of Switchback roller height through the Service board.</i> <i>The range is ±2.25mm.</i></p> <p><i>Condition that causes this issue:</i> <i>When the space between the switchback roller and the tray is out of 3 to 5 mm, this issue could occur.</i> <i>This issue doesn't depend on the kind of mainframe.</i></p>		
0.210:00	Symptom Corrected: Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.		
0.19:00	<p>Note : Where this firmware is to be used, ensure other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware.</p> <p>P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19 P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none"> The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged. When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it. 		
0.18	1st Mass production.		

Reissued: 08-Dec-09

Model: Perfect Binder GB5000		Date: 20-June -08	No.: RD391002c
Version	Modified Points or Symptom Corrected		
1.19			

Model: Perfect Binder GB5000	Date: 01-Dec-09	No.: RD391018
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Subject: Perfect Binder - Worm Gear Abrasion Problem		Prepared by: T. Tadokoro	
From: PPBG Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

SYMPTOM

Malfunction (SC796-37) occurs while the signature is being delivered to the Sub-grip and Main-grip units due to abrasion of the worm gears (material: resin) inside the Sub and Main grip transport motor units.

Cause

Problem was found in the helical gear (material: aluminium) in the Main and Sub grip units. The normal production procedure is as follows: "gear cutting" --> "chemical polishing" --> "alumite treatment", but chemical polishing had been falsely excluded from the procedure since 1st mass production.

Due to the rough surface of the helical gear, abrasion of the worm gear has caused the SC occurrences.

Affected units:

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Perfect Binder GB5000	208/60	USA	D391-17	M9780300001 – M9790700006
Perfect Binder GB5000	(220 to 240)/(50/60)	Europe, Asia	D391-27	M97803000026 – M9790700008

SOLUTION

For field machines, replace the helical and worm gears in the main and sub grip units at the next service visit.

For initial machine installation, replace only the helical gears in the main and sub grip units. The part number for the modification kit is "D3919902".

Gear Replacement Procedure

Contents

1. Kit Parts & Tools to be prepared
2. Preparations for replacement.
3. Replacement procedure for "Stack shift motor unit".
4. Replacement procedure for "Rotation motor unit".
5. Reassembly procedure

Model: Perfect Binder GB5000

Date: 01-Dec-09

No.: RD391018

1. Kit Parts & Required Tools

E-clip: 6pcs



Aluminum slant tooth gear(30T gear): 2pcs



Grease: 1pc



Worm gear : 2pcs



Screw for sub-grip fixing: 3pcs



Sub-grip fixing bracket: 1pc

Tools:

- >Screwdriver
- >Slotted screwdriver
- >Long-nose pliers

Model: Perfect Binder GB5000

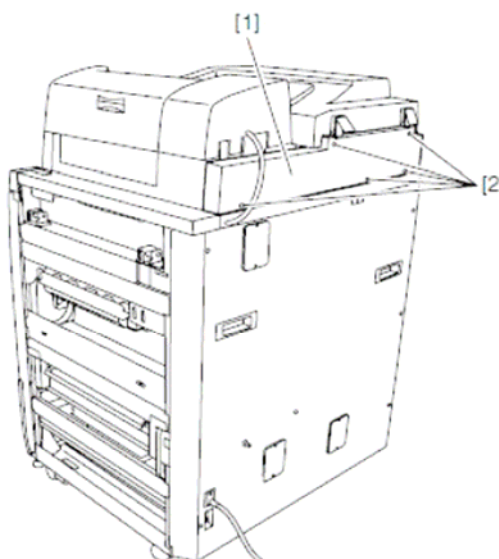
Date: 01-Dec-09

No.: RD391018

2. Preparations for the Replacement

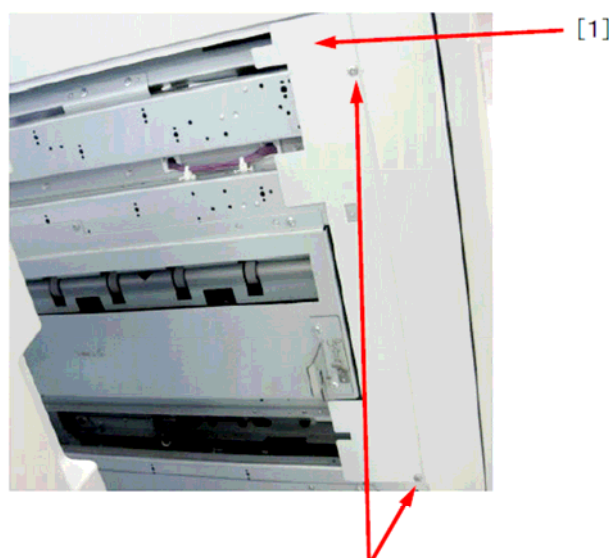
- 1) Remove the rear upper cover [1]
* (5 screws [2])

Tips: For installed products, securing approximately 50cm width of work space at the downstream side of the unit is recommended.



- 2) Remove the left cover [1].
* 2 screws [2]

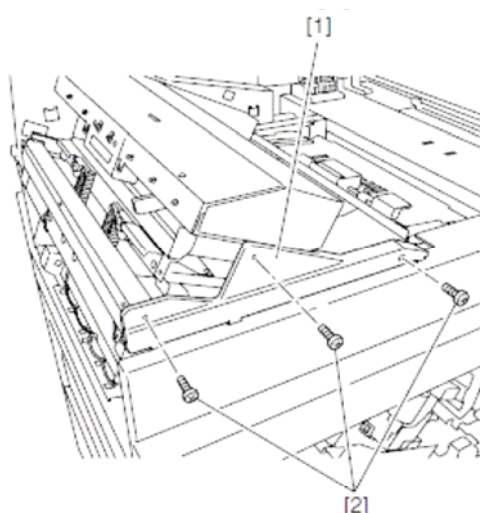
Tips: Slide the cover downward so that the top of the cover is released.



3) Removing the Left Upper Cover

- 3-1) Open the inserter and top cover.

- 3-2) Remove the front cover [1] of the stacking assembly.
* 3 screws [2]

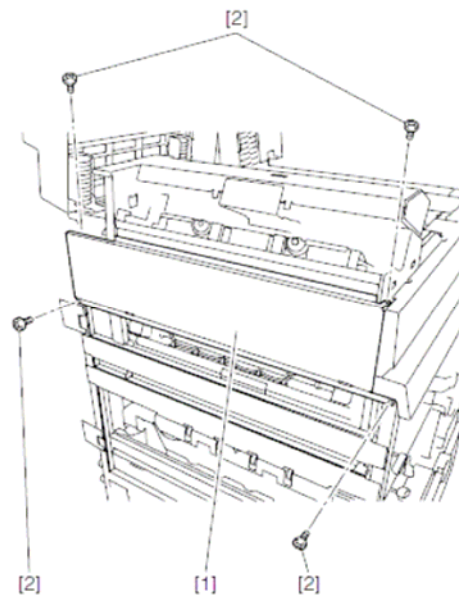


Model: Perfect Binder GB5000

Date: 01-Dec-09

No.: RD391018

- 3-3) Remove the left upper cover [1].
* 4 screws [2]

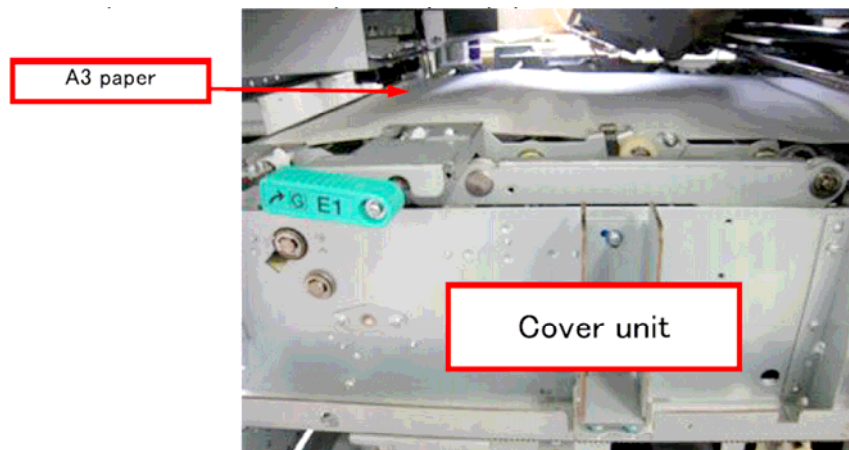


- 3-4) Attach the Sub-grip Fixing Bracket to the position circled in red to secure the Sub-grip unit.
* 3 screws



4) Removing the Stack Shift Motor

- 4-1) To prevent unfastened screws from dropping into the machine, place a piece of A3 size paper on the Cover unit.

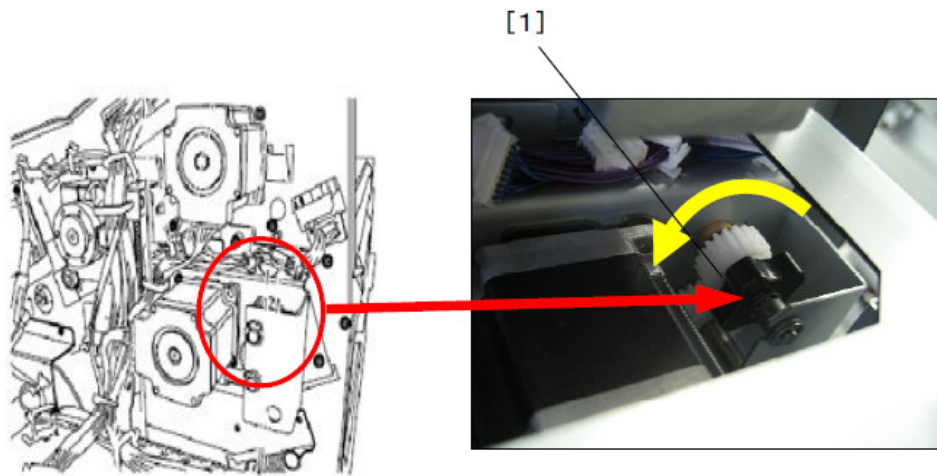


Model: Perfect Binder GB5000

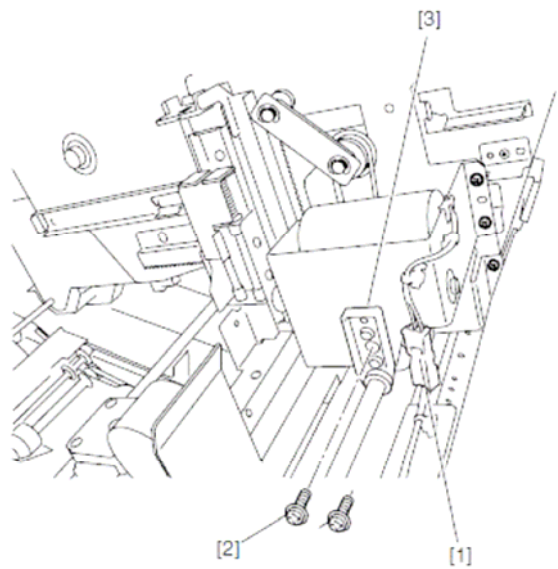
Date: 01-Dec-09

No.: RD391018

* If the stacking tray is in the bottom position, turn the knob [1] until the tray reaches its highest position.



4-2) Free the guide arm [3] by pulling out the connector [1] and removing the screw [2].



4-3) Remove the stack shift motor unit [1].

* 4 screws [2]

Tips: First unscrew the 2 screws on the right hand side in this diagram, then the 2 screws on the left. Make sure to use a magnetized screwdriver.

Refer to the diagram below for access to the 2 screws on the left.

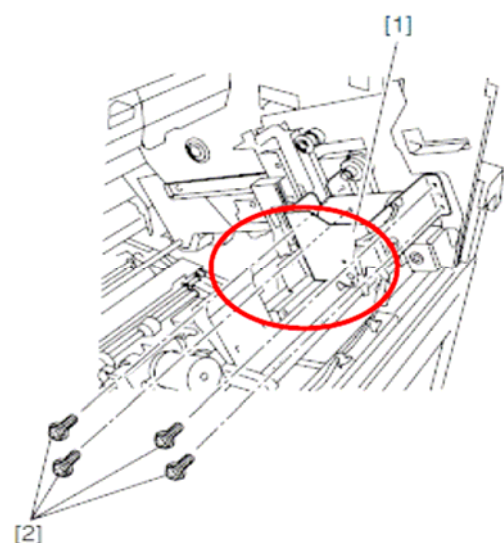
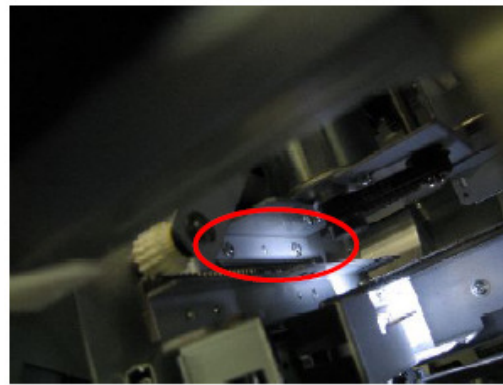
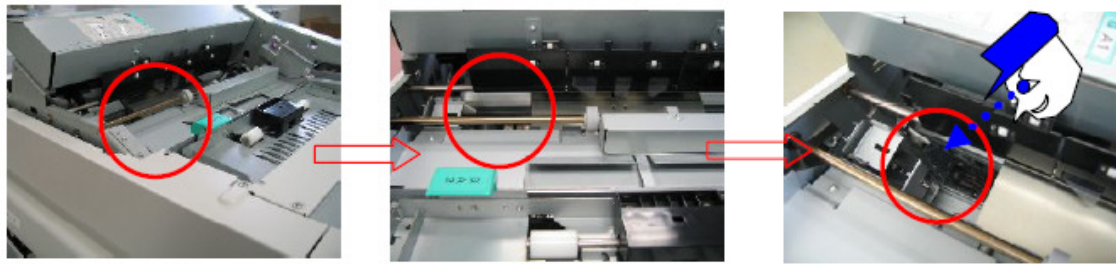
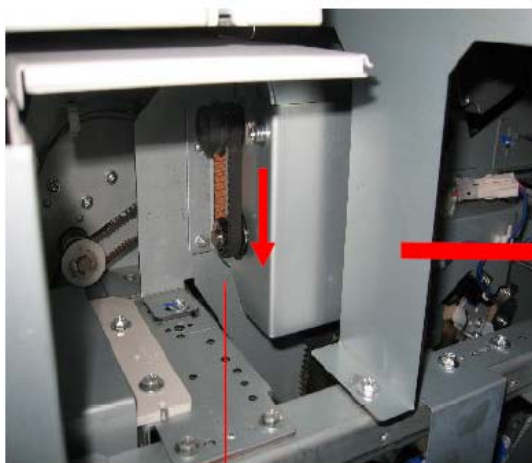


Fig. A

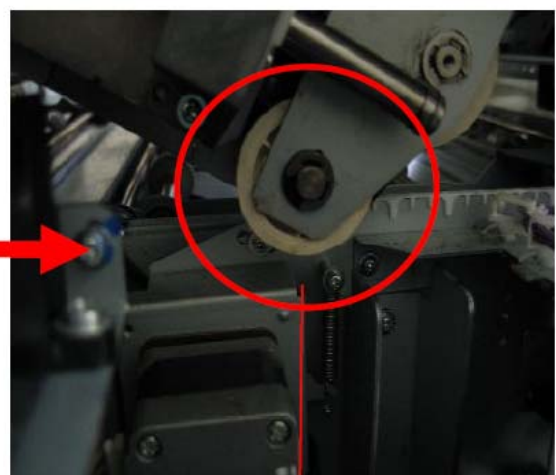


5) Remove the rotation motor.

5-1) Rotate the pulley [1] clockwise until the main grip pulley comes to the position circled in red.



[1]



[2]

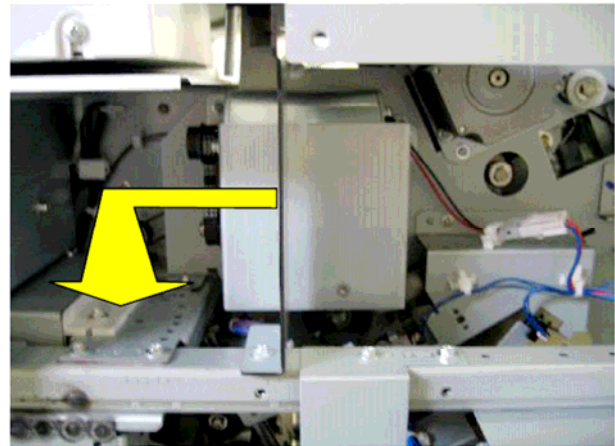
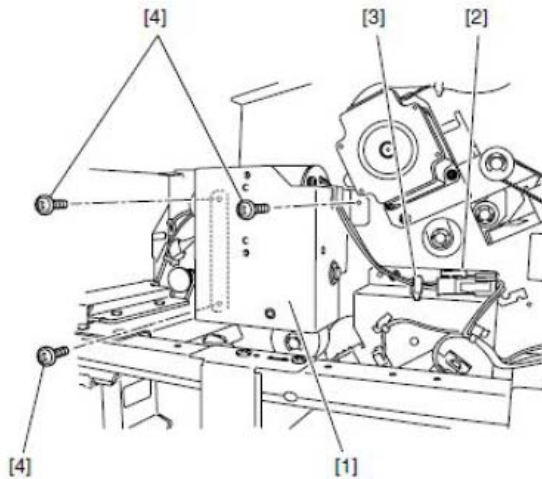
Model: Perfect Binder GB5000

Date: 01-Dec-09

No.: RD391018

5-2) Remove the rotation motor [1].

- * Connector [2]
- * Wire saddle [3]
- * 3 screws [4]



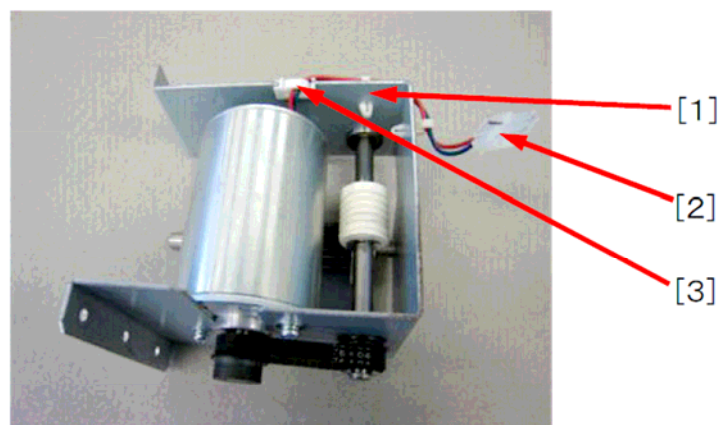
Stack shift motor unit



Rotation motor unit

3. Replacing the Stack Shift Motor Unit Gears

1) Remove the clamp [1] and the edge saddle [3], and release the harness [2].

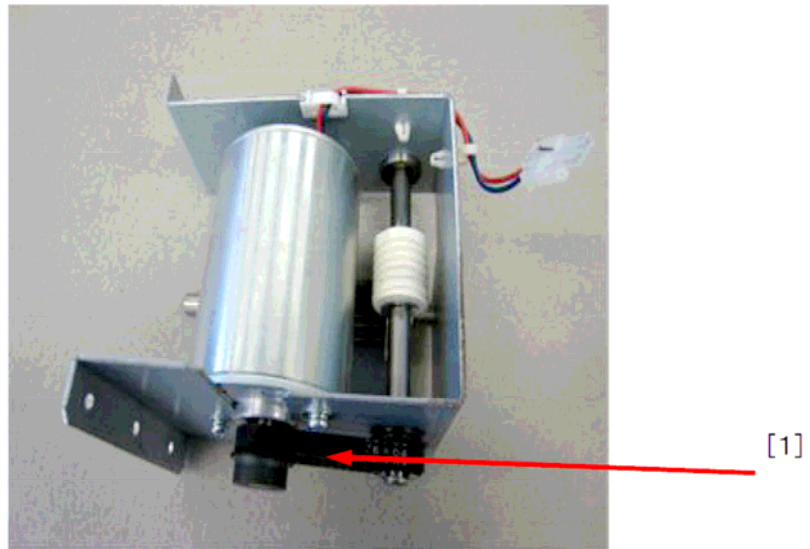


Model: Perfect Binder GB5000

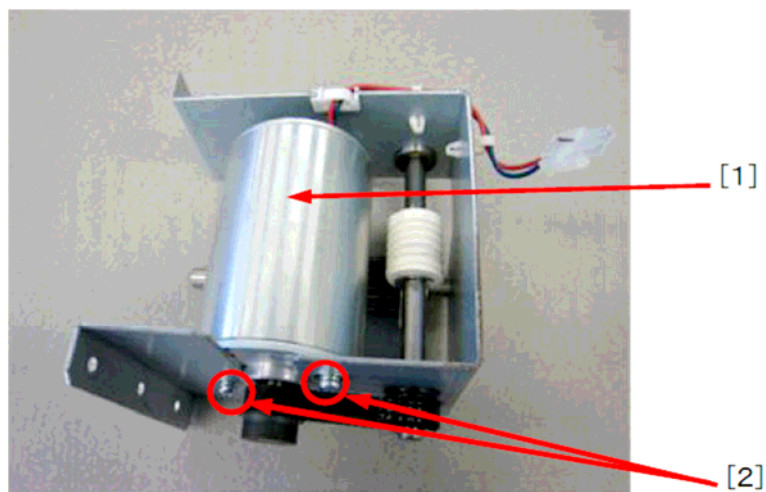
Date: 01-Dec-09

No.: RD391018

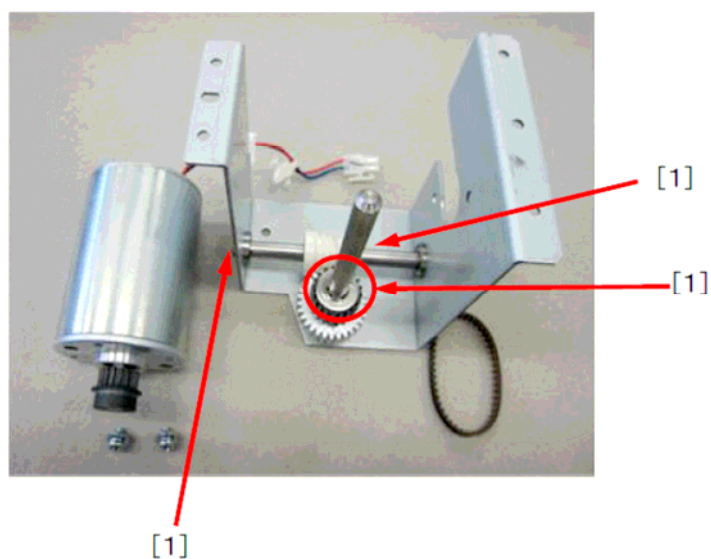
2) Remove the timing belt [1].



3) Remove the motor [1].
* 2 screws [2]



4) Remove the 3 E-clips [1].



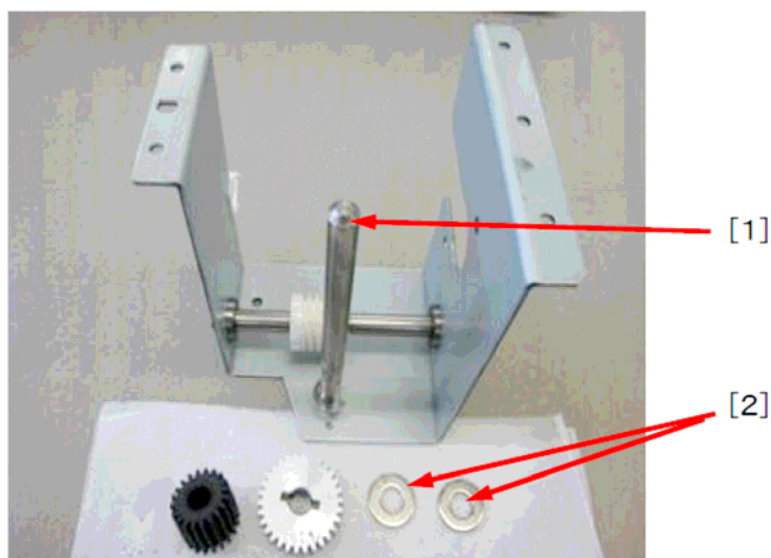
Model: Perfect Binder GB5000

Date: 01-Dec-09

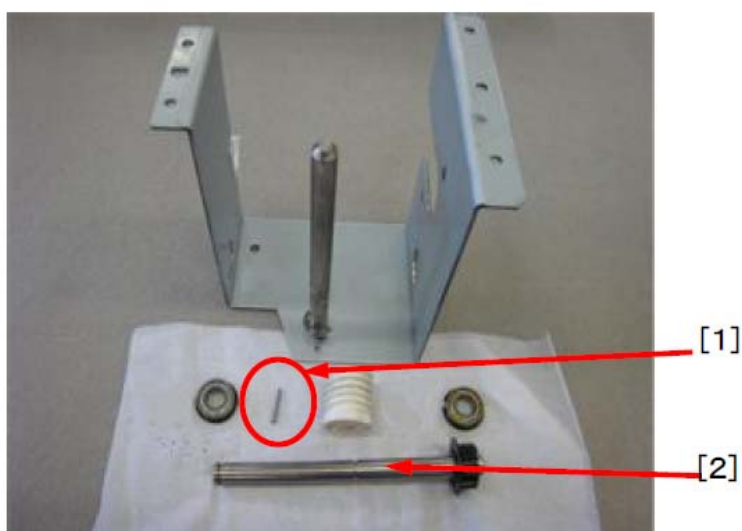
No.: RD391018

5) Remove all the parts from the shaft [1].

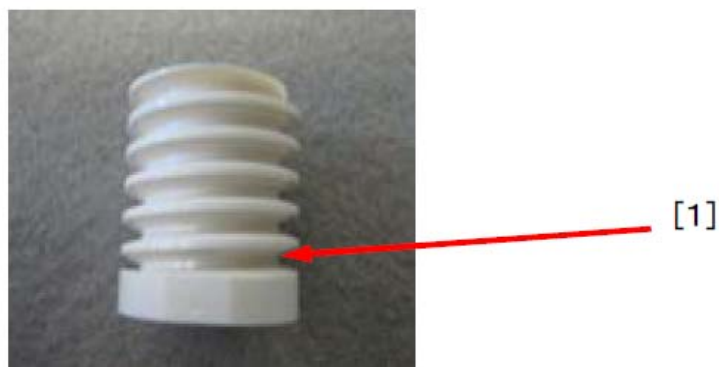
Tips: Ensure the 2 washers are removed as they could be adhered to the gear.



6) Remove the pin [1], and then remove the shaft [2] from the bracket.



7) Install the new worm gear [1].



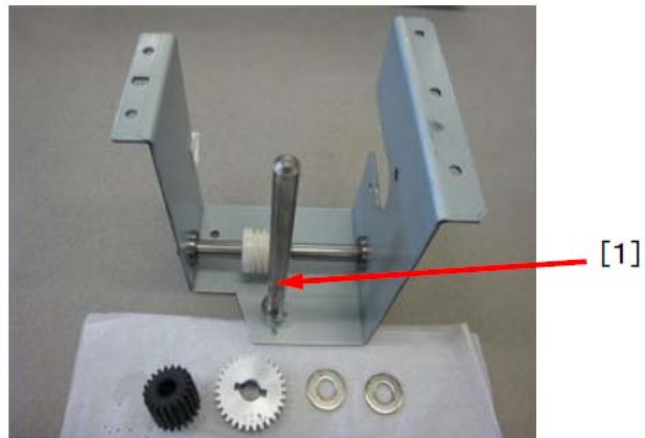
Model: Perfect Binder GB5000

Date: 01-Dec-09

No.: RD391018

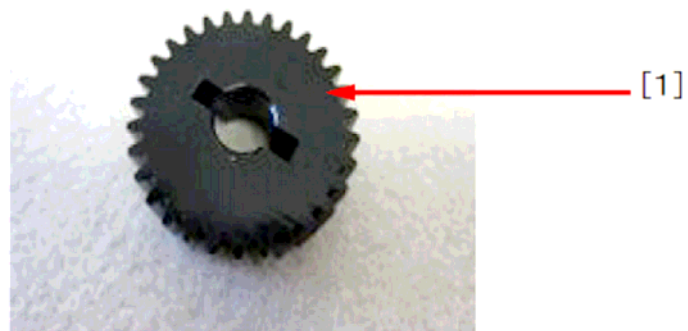
8) Apply approximately 10mg of grease to the shaft where the gear is to be positioned [1].

Tips: 10mg grease = ϕ 2x3mm

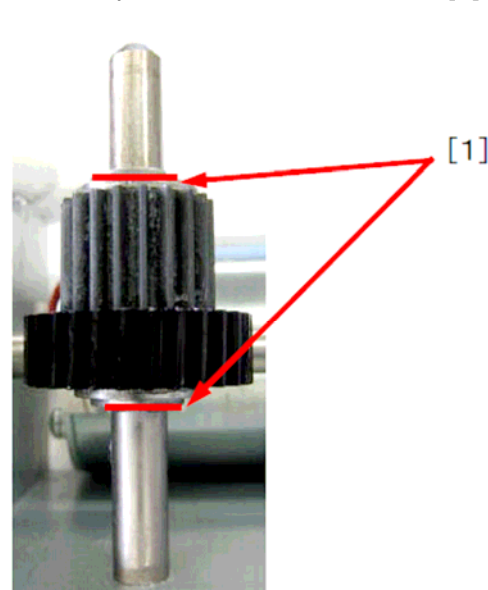


9) Attach the new 30T helical gear [1].

Tips: The new 30T gear is black



NOTE: The washers must be located in the positions indicated in red [1].



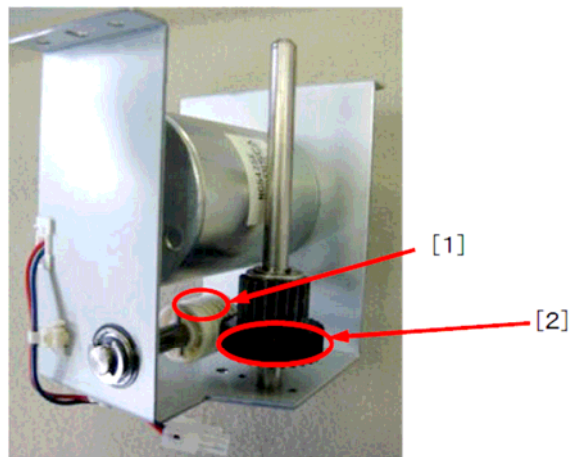
Model: Perfect Binder GB5000

Date: 01-Dec-09

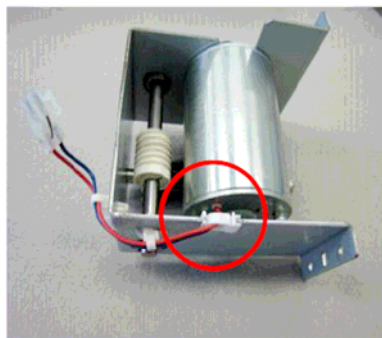
No.: RD391018

- 10) Apply grease entirely to the teeth of the new worm gear and the new 30T helical gear.
The amount of grease should be about 250mg respectively.

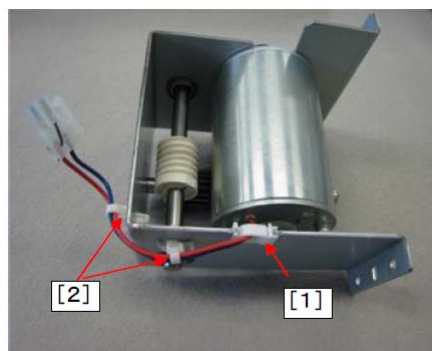
Tips: 200mg is equivalent to the size of a cotton bud.



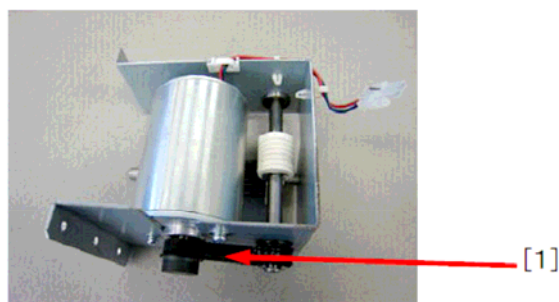
- 11) Attach the motor.
Set the motor so that the clamp fits in the correct position.
* 2 screws



- 12) Lock the edge saddle [1], and then fix the cable clamps [2] to the bracket.



- 13) Attach the timing belt [1].



Model: Perfect Binder GB5000

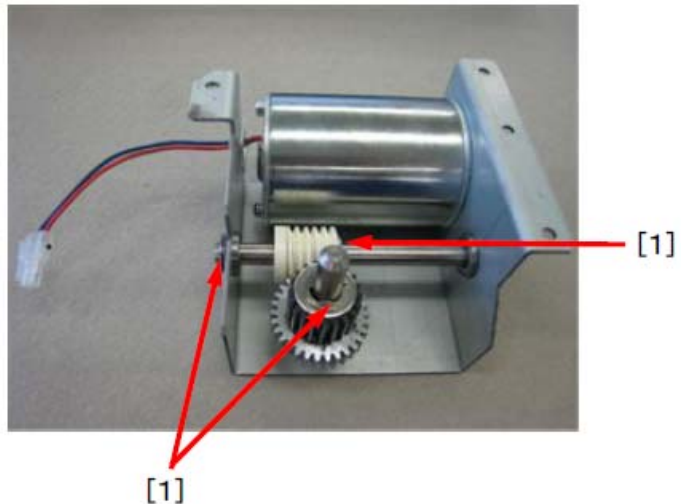
Date: 01-Dec-09

No.: RD391018

4. Replacing the Rotation Motor Unit Gears

* No need to remove the motor.

1) Remove the 3 E-clips [1].



2) Remove all the parts from the shaft.

Same procedure as step 5) of "Replacing the Stack Shift Motor Unit Gears".

3) Remove the pin, and then remove the shaft from the bracket.

Same procedure as step 6) of "Replacing the Stack Shift Motor Unit Gears".

4) Attach the new worm gear.

Same procedure as step 7) of "Replacing the Stack Shift Motor Unit Gears".

5) Apply approximately 10mg of grease to the shaft where the gear is to be positioned.

Same procedure as step 8) of "Replacing the Stack Shift Motor Unit Gears".

6) Attach the new 30T helical gear.

Same procedure as step 9) of "Replacing the Stack Shift Motor Unit Gears".

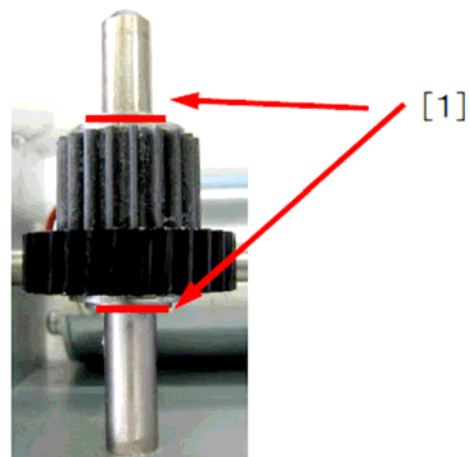
NOTE: The washers must be located in the positions indicated in red.

7) Apply grease.

Same procedure as step 10) of "Replacing the Stack Shift Motor Unit Gears".

8) Attach the timing belt.

Same procedure as step 13) of "Replacing the Stack Shift Motor Unit Gears".



5. Reassembly

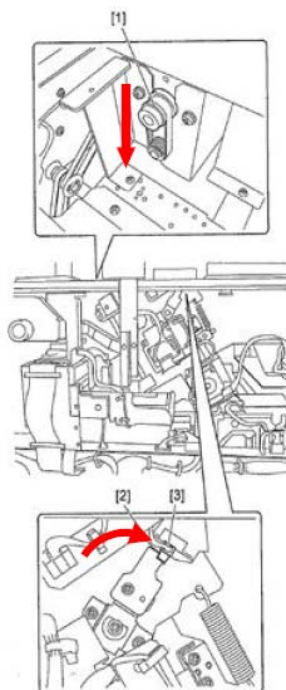
* This is the reverse procedure of "2. Preparations for replacement".

1) Install the rotation motor unit.

Work carefully to avoid damage to the new 30T helical gear when installing.

Ensure the embossed point on the bracket is in the correct position.

Rotate the pulley [1] counterclockwise until the flag [2] is positioned at the sensor [3].

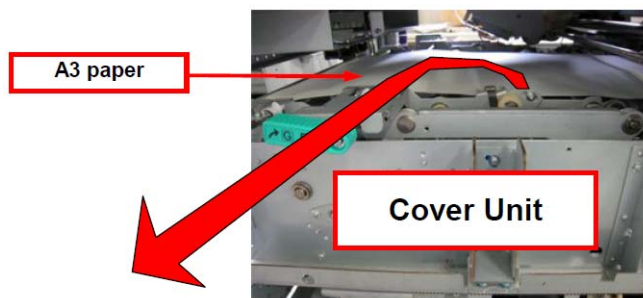


2) Install the stack shift motor unit.

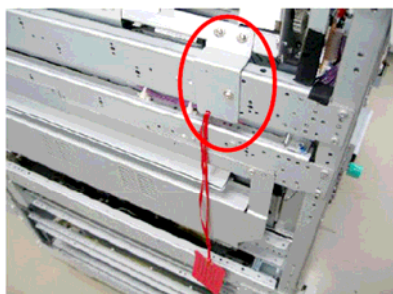
Work carefully to avoid damage to the new 30T helical gear when installing.

Ensure the embossed point on the bracket is in the correct position.

3) Remove the paper from the cover unit.



4) Remove the sub-grip fixing bracket.



5) Attach the cover.

This completes the gear replacement procedure.

Model: Perfect Binder GB5000	Date: 02-Dec-09	No.: RD391019
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Subject: Perfect Binder - Trimming Adjustment Plate Screw Replacement to Avoid Incomplete Cuts		Prepared by: T. Tadokoro	
From: PPBG Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

SYMPTOM

SC795-18 [Trimming Buffer HP Sensor: Left (S103) Error], SC795-19 [Trimming Buffer HP Sensor: Right (S100) Error], SC795-20 [Trimming Buffer Motor (M37) Error], or SC795-22 [Book Buffer Tray HP Sensor (S78)] occurs due to an insufficient cut where the blade doesn't reach the blade cradle and the cover sheet remains uncut.

Cause

Due to loosening of the screws.

Affected units:

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER
Perfect Binder GB5000	208/60	USA	D391-17	M9780300001 – M9780600011
Perfect Binder GB5000	(220 to 240)/(50/60)	Europe, Asia	D391-27	M9780300026 – M9780600022

SOLUTION

Replace the Trimming Adjustment Plate Screws at the same time as blade replacement.
 If the blade has been replaced recently, replace the Trimming Adjustment Plate Screws at your next service visit.
 The part number for the modification kit is "D3919901".

Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

Procedure for Replacing the Trimming Adjustment Plate Screw

Contents

1. Required Kit Parts & Tools
2. Preparations for the Replacement
3. Replacement Procedures

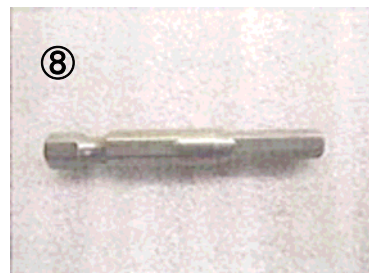
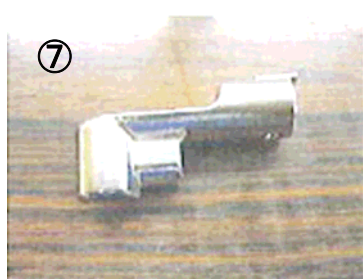
1. Required Kit Parts & Tools

Kit Accessories:

- #1: Hexagonal wrench = 1 unit
- #2: Trimming Adjustment Plate Screw = 8 pcs
- #3: Trimming Blade Fixing Plate Screw = 4 pcs
- #4: Sheath for Blade replacement = 1 pc
- #5: Screw for sheathing the Blade = 1 pc (Included in the plastic bag with the Sheath)
- #6: Torque wrench (set to 7Nm) = 1 pc
- #7: Head = 1 pc
- #8: Bit = 1 pc



⑤



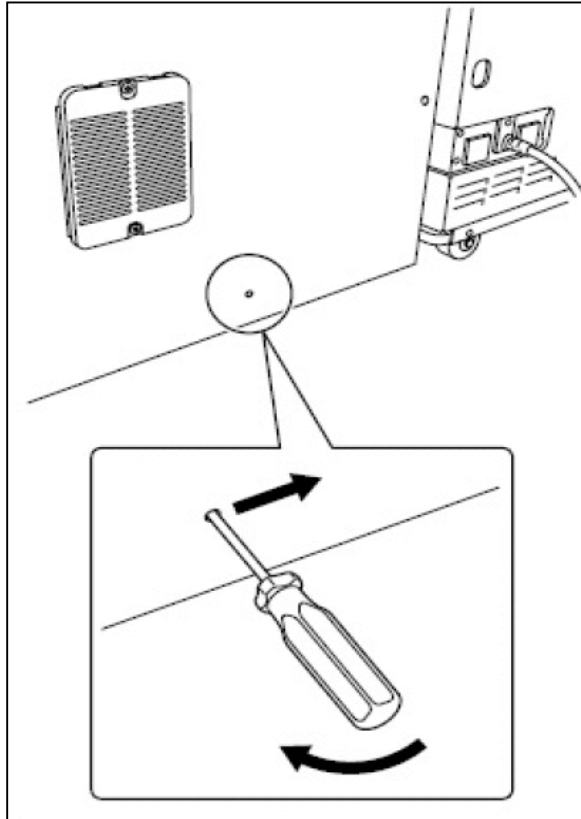
Note) #4 and #5 are included in the "Kit Parts". Both of these parts are not required when the blade and screws are to be replaced for a periodic maintenance.

Tools:

- Small screwdriver
- Long screwdriver (approx. length of 350mm)

2. Preparations for the Replacement

- 1) Insert a small screwdriver into the hole in the Rear Cover. (See the diagram below.)
Rotate the screwdriver clockwise to unlock the Stacking Assembly.



Model: Perfect Binder GB5000

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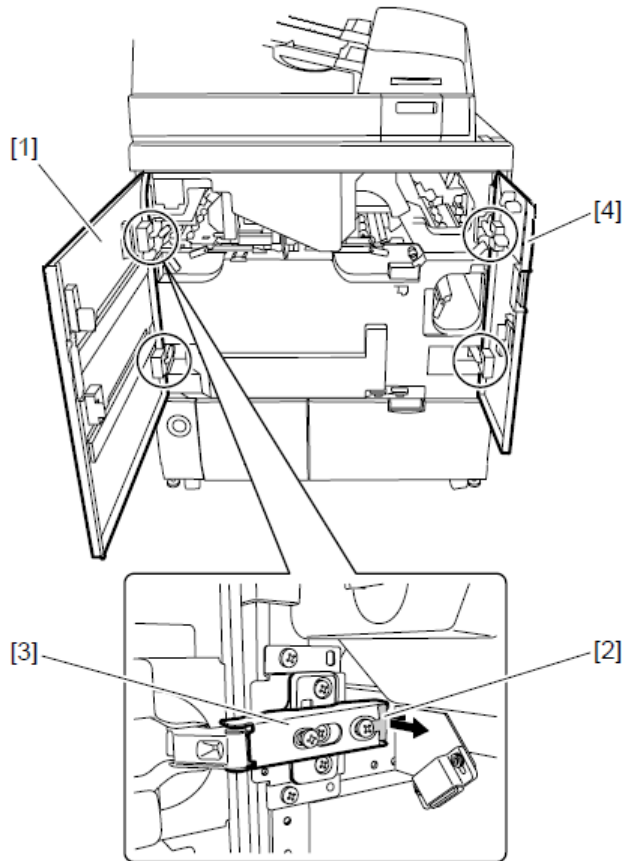
2) Access the machine from the front side and remove the Front Covers (Left/Right).

Step1: Open the Front Covers (Left/Right).

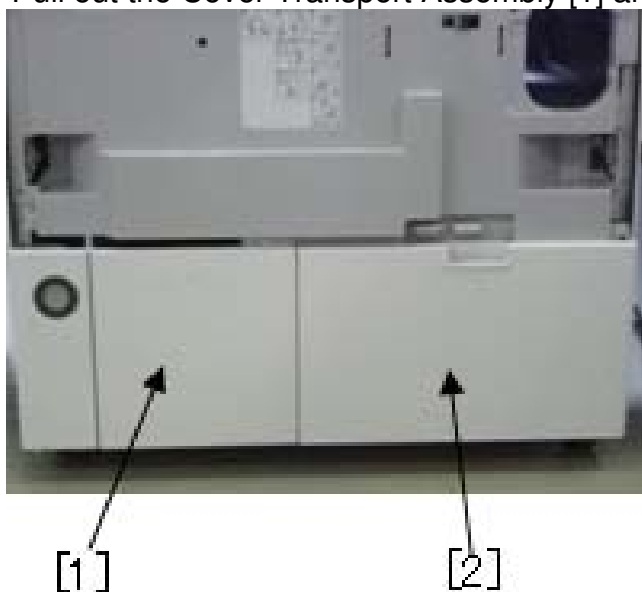
Step2: Hold the Front Cover Left [1] with one hand, and with the other hand, pull off the hinge [3] towards the direction shown below by pushing the black lever [2].

Step3: Apply the above step for the remaining hinge and remove the Front Cover Left.

Step4: Remove the Front Cover Right [4] in the same manner.



3) Pull out the Cover Transport Assembly [1] and the Waste Basket [2].



Model: Perfect Binder GB5000

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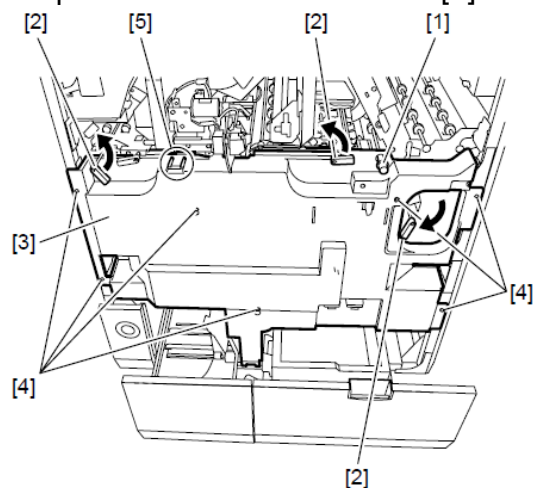
No.: RD391019

4) Remove the Inner Cover (Bottom).

Step 1: Release the jam clear knob [1].

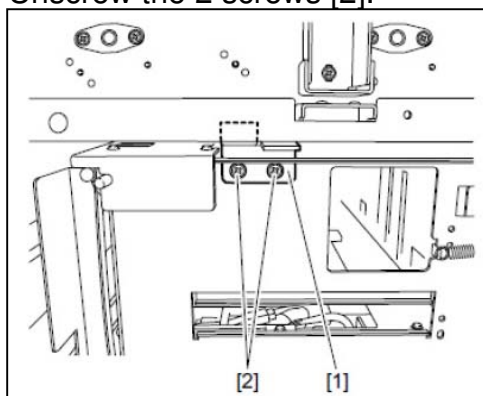
Step 2: Release the 3 jam clear levers [2] to remove the Inner Cover.

Step 3: Unscrew the 7 screws [4].



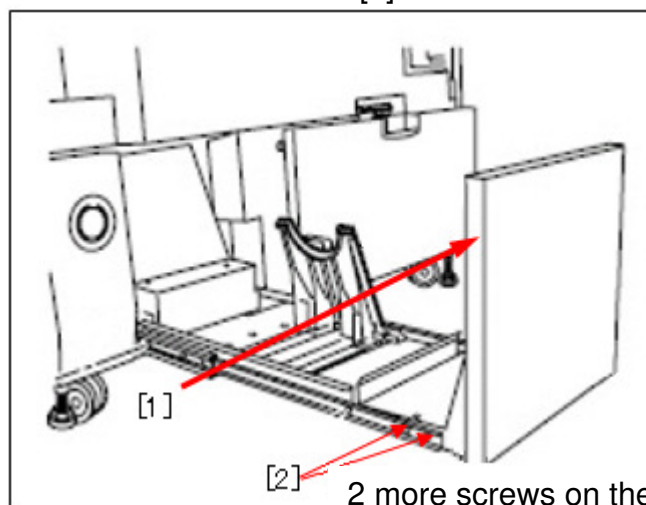
5) Remove the Fixing Plate [1].

Unscrew the 2 screws [2].



6) Remove the Front Cover [1] of the Stacking Assembly.

Unscrew the 4 screws [2].

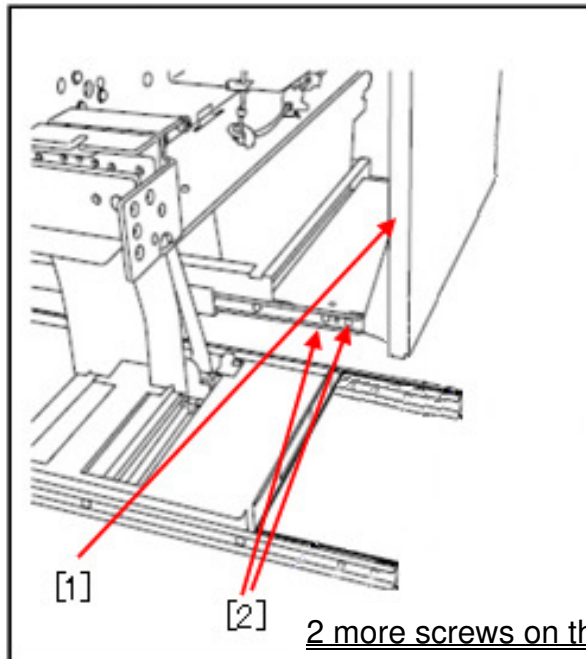


Model: Perfect Binder GB5000

Date: 02-Dec-09

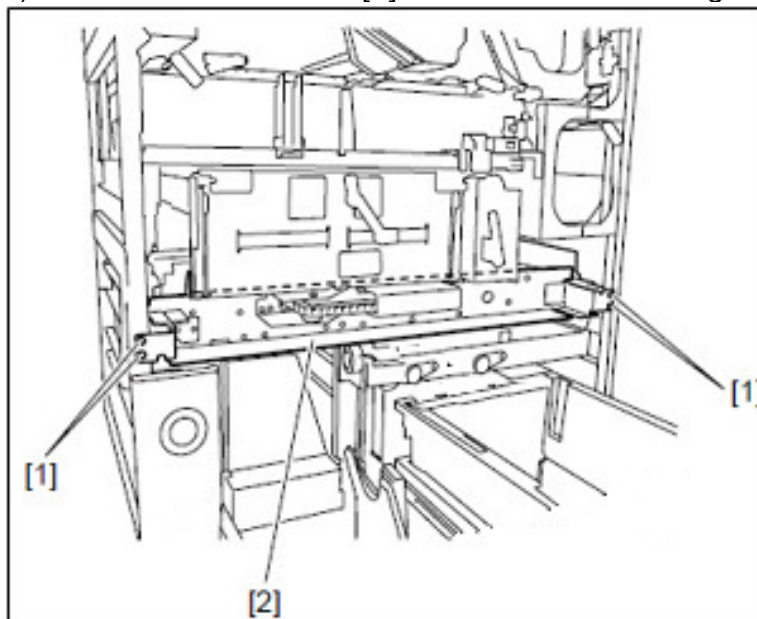
No.: RD391019

- 7) Remove the Front Cover [1] of the Waste Paper Unit.
Unscrew the 4 screws [2].



2 more screws on the other side

- 8) Unscrew the 4 screws [1] that hold the Trimming Assembly [2].



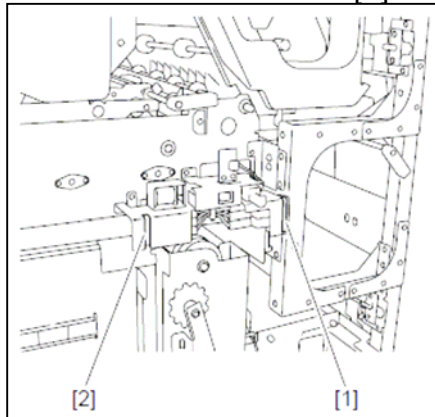
- 9) Set the Stacking Assembly and Waste Paper Unit in their original positions.

Model: Perfect Binder GB5000

Date: 02-Dec-09

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10) Insert a tool or a piece of cardboard to cheat the Right-Front Cover Switch [1] and the Left-Front Cover Switch [2].

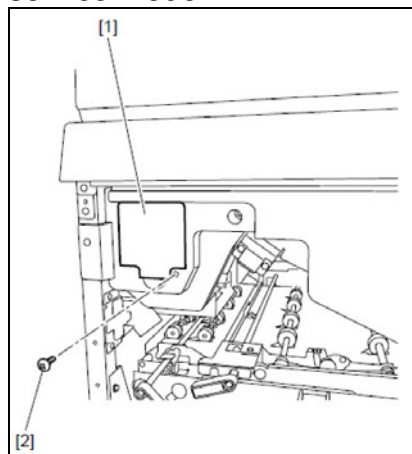


11) Plug the power cord into the wall outlet.

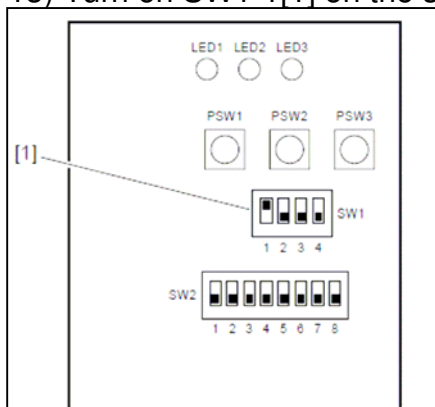
12) Unscrew the screw [2] and remove the Service PCB Cover [1].



Ensure that the trimming assembly is installed on the mainframe when operating the service mode.



13) Turn on SW1-1[1] on the service PCB and set the machine to service mode.



Model: Perfect Binder GB5000

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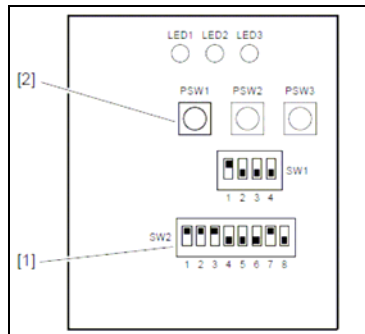
No.: RD391019

14) Turn on the main power of the Perfect Binder.

15) Turn on SW2-1, 2-2, 2-3, and 2-7 [1] on the Service PCB, and then push PSW1 [2].



Pressing PSW1 will operate the main gripper assembly. KEEP AWAY FROM THE MACHINE TO PREVENT YOUR HANDS OR CLOTHES FROM GETTING CAUGHT IN THE UNIT.



16) Turn off the main power and pull out the power plug, then draw out the Trimming Assembly.



Be sure to turn off the power before unplugging the power plug.

17) Insert the sheath [2] supplied with the replacement trimming blade along the blade while sliding the waste paper wiper unit lever [1] to the left with the screwdriver.

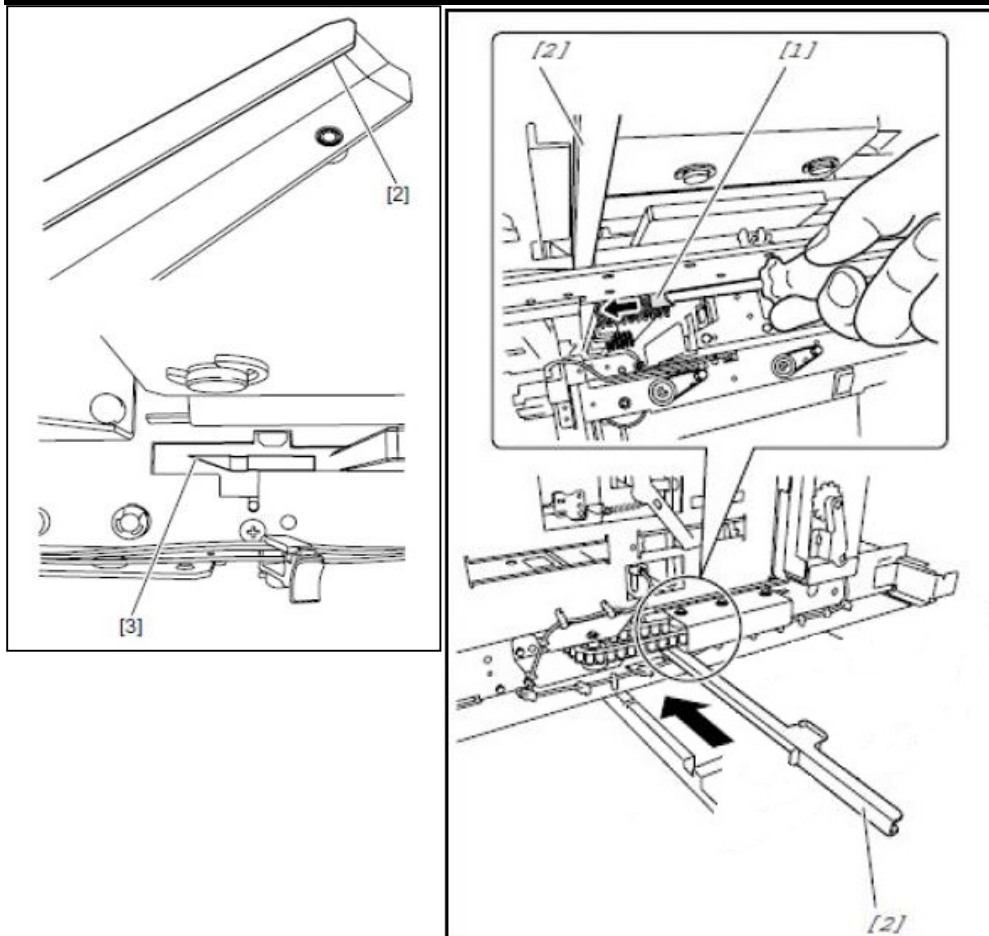


Insert the sheath so that the edge of the blade [3] fits into the groove [2] in the sheath.

Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019



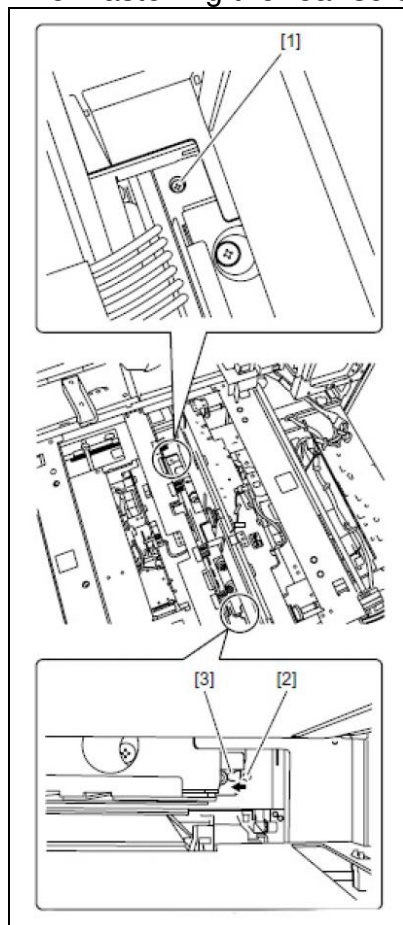
Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

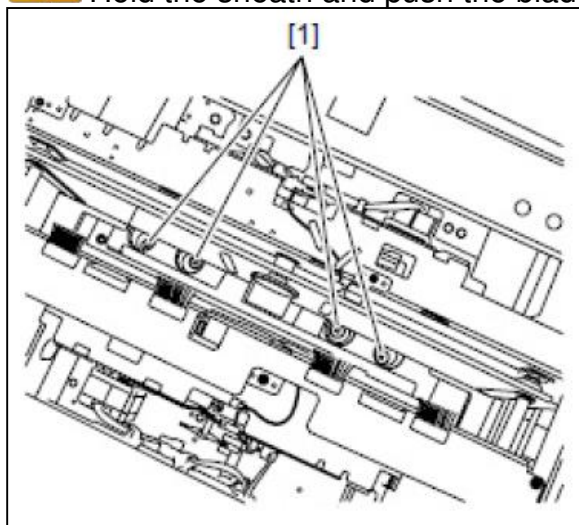
18) Fasten the sheath to the blade using the screw [1] supplied with the replacement blade.

! Press the blade so that the sheath positioning tab [2] fits the notch [3] of the blade when fastening the rear screw.



19) Remove the 4 screws [1] from the blade.

! Hold the sheath and push the blade to the rear when removing the last screw.



Model: Perfect Binder GB5000

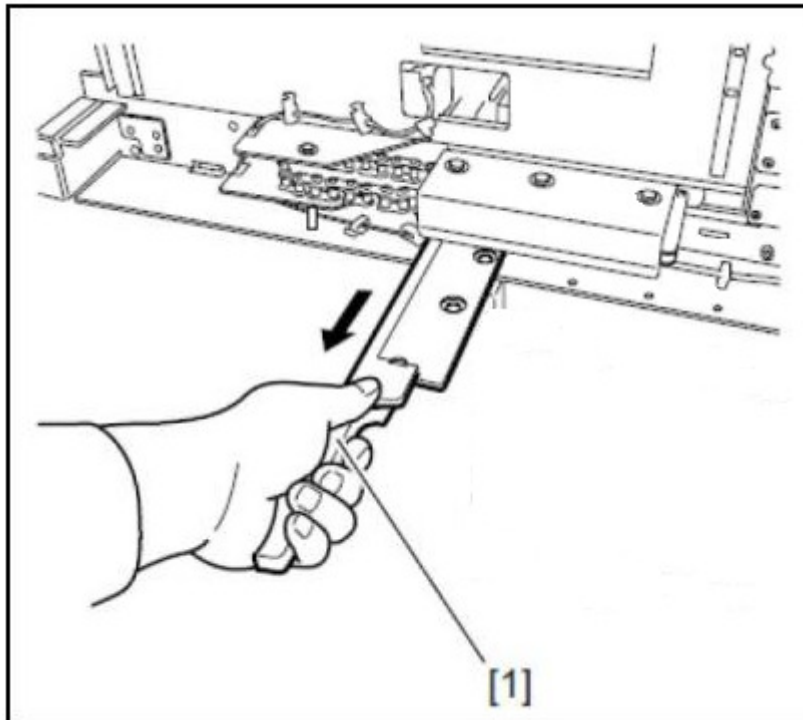
Date: 02-Dec-09

No.: RD391019

20) Hold the grip [1] of the sheath, and draw out the blade.



To avoid injuries, sheathe the blade when removing.

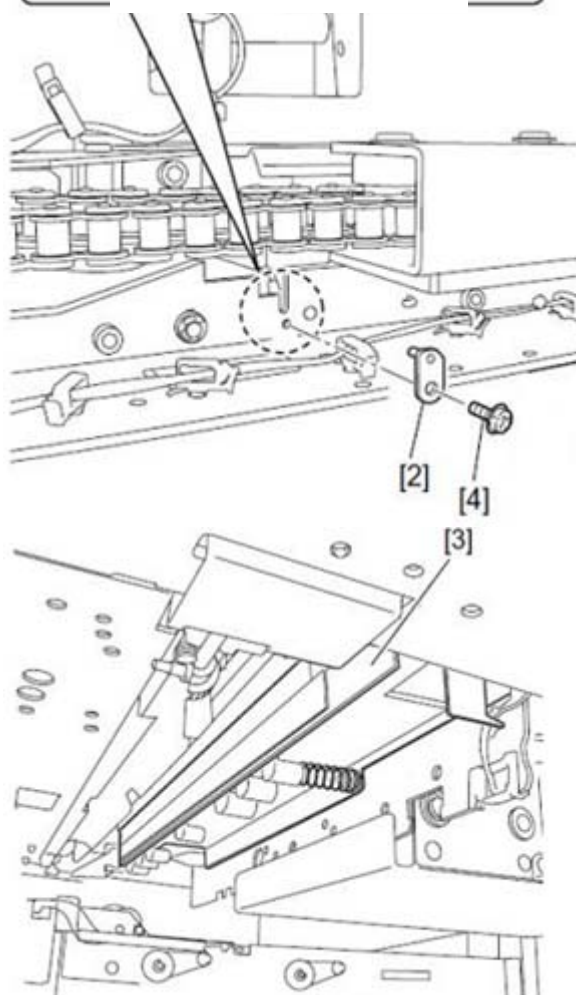
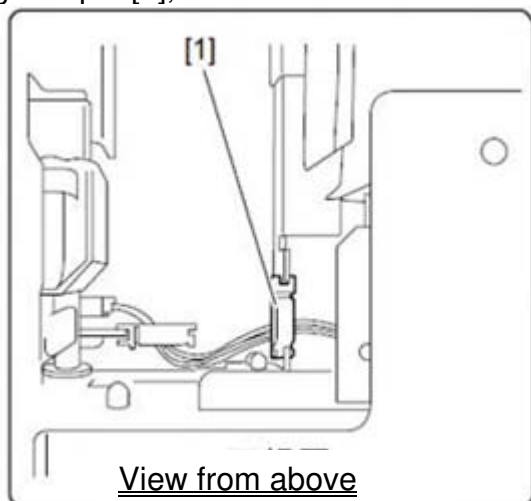


Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

21) Release the harness from the edge saddle [1], unscrew the screw [4] to remove the guide pin [2], and then remove the waste paper wiper unit [3].



View from underneath

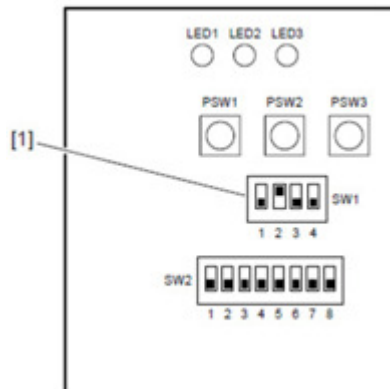
Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

22) Set the Trimming Assembly in its original position, and then plug in the power cord.

23) Turn on SW1-2 on the Service PCB, then turn on the main power.



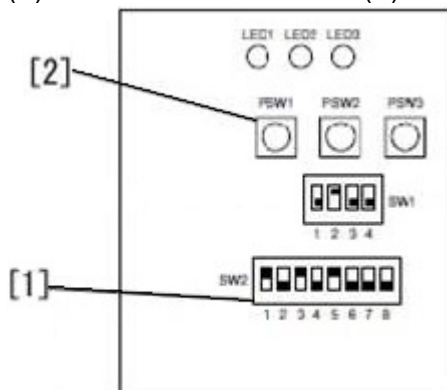
24) Turn on SW2-1, 2-3, and 2-5 [1], and then press PSW1 [2].



Press PSW1 [2] to shift the blade plate to the uppermost position.

Pressing PSW1 will do the following:

- (1) The Blade Plate moves to its home position if it is not in the home position.
- (2) The Blade Plate moves to its uppermost position.
- (3) The above behaviors (1) and (2) are repeated.



25) Turn off the power.

Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

3. Replacement Procedure

1) Draw out the Trimming Assembly, and replace the Trimming Adjustment Plate Screws one by one from the bottom side using the Hexagonal wrench.

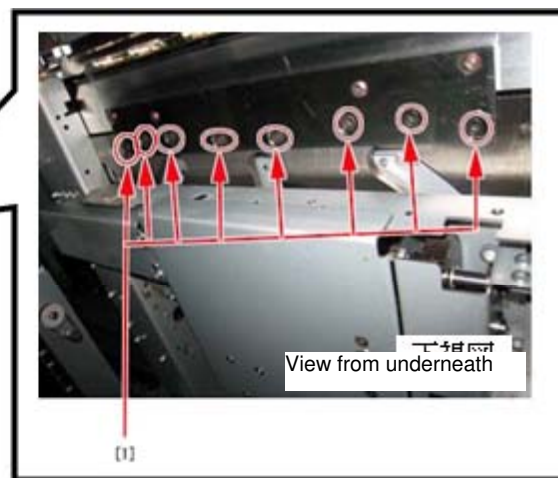


Make sure to replace the screws one by one, beginning at the front side, to prevent the Trimming Adjustment Plate from shifting from its original position. Fasten the screws with the torque wrench set to 7Nm.



Old type

New type (Silver with adhesive)



Details on how to use the torque wrench are described in the instruction guide packaged with the wrench.



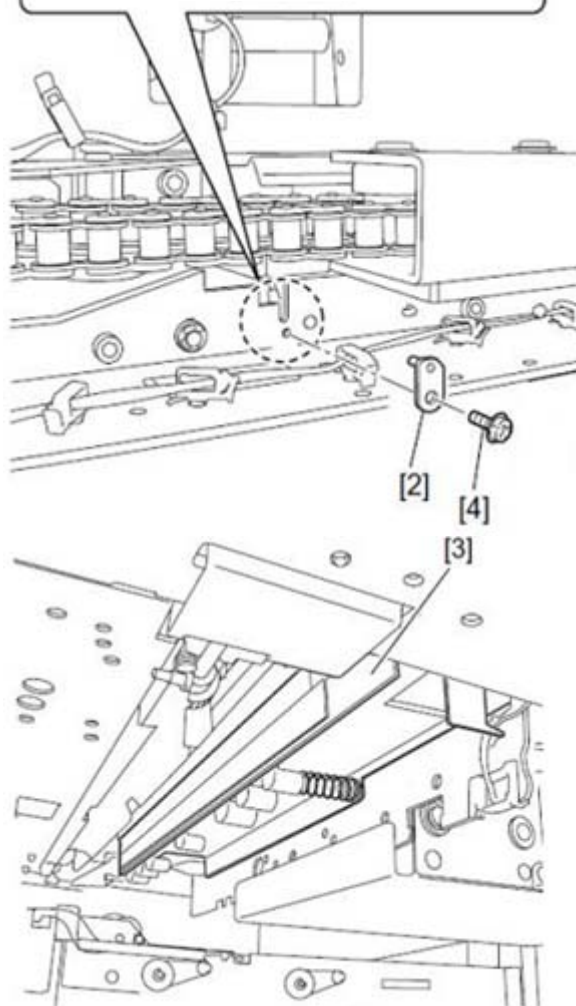
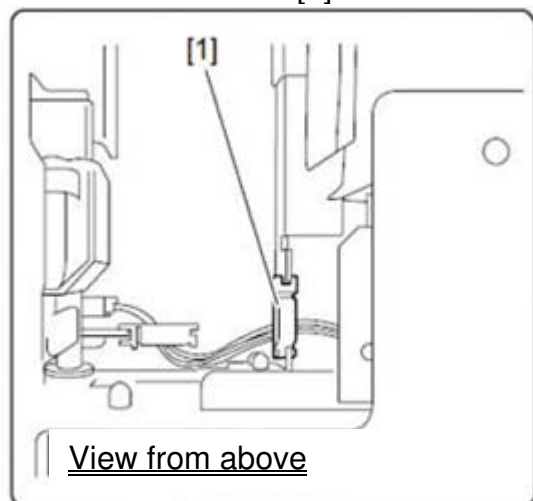
Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

2) Install the Waste Paper Wiper Unit [3].

Attach the Guide Pin [2] with the screw [4]. Pass the cables through the Edge Saddle [1].

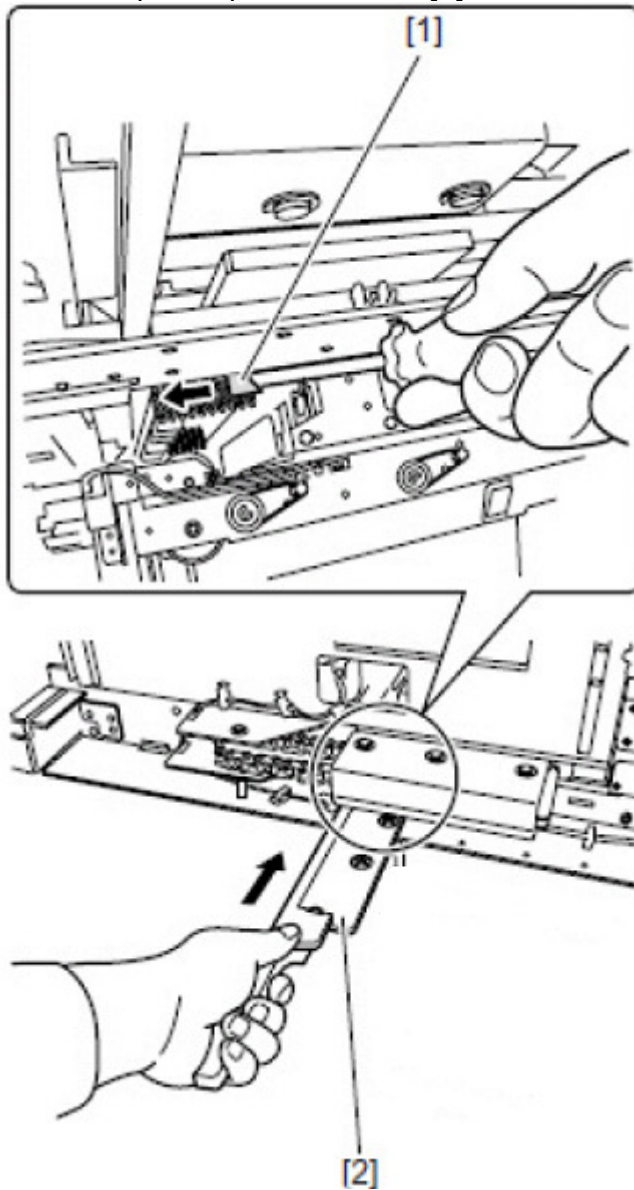


Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

3) Hold the Replacement Trimming Blade grip [2] to insert the Blade while sliding the Waste Paper Wiper Unit lever [1] to the left with the screwdriver.

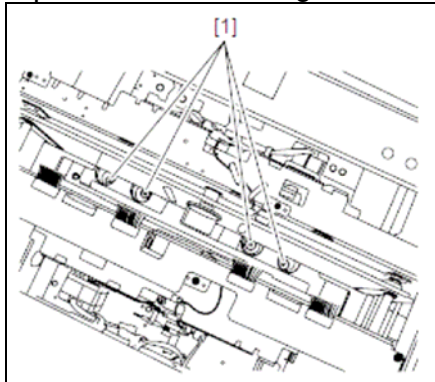


Model: Perfect Binder GB5000

Date: 02-Dec-09

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4) Push the sheath to the rear to fix the blade with the 4 screws [1] supplied with the replacement trimming blade.



Fasten the screws in the following order: Front (Reference) >> Rear (Elongated hole) >> Center x2



Make sure to use the screws supplied with the replacement trimming blade. The threads are applied with adhesive to prevent loosening.

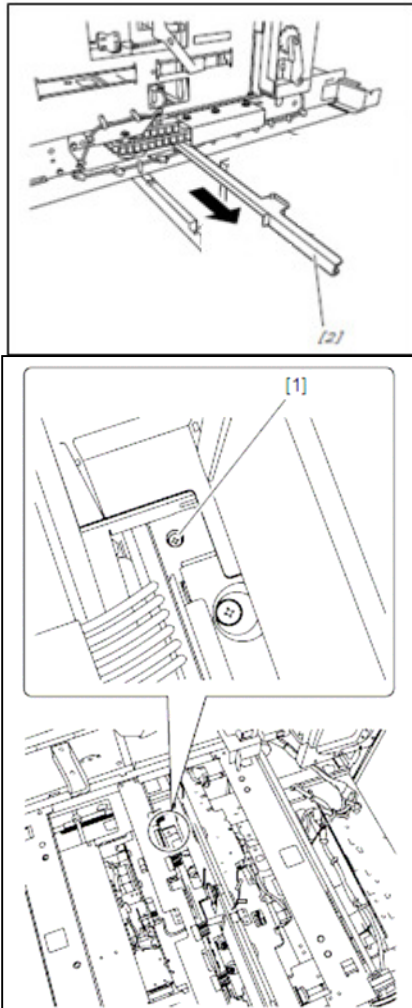


Model: Perfect Binder GB5000

Date: 02-Dec-09

No.: RD391019

5) Remove the rear screw [1] from the sheath fixed to the blade, and pull out the sheath [2].



6) Reassemble the unit by following the above steps in reverse order.

This completes the Blade Fastening Screw replacement procedure.

Reissued:09-Feb-10

Model: Perfect Binder GB5000	Date: 24-Dec-09	No.: RD391020a
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RTB Reissue

The items in ***bold italics*** have been added.

Subject: GB5000 Request for Rework Concerning Defective Booklets		Prepared by: K. Tsutsui	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

■ Symptom

Signature sheets fall out from the glue-bound booklets.

The sheets fall out from the booklet due to the misalignment that occurs at the stacking area in which the paper edge is shifted 5-20mm in the paper transporting direction and prevents the shifted sheets from being glued.

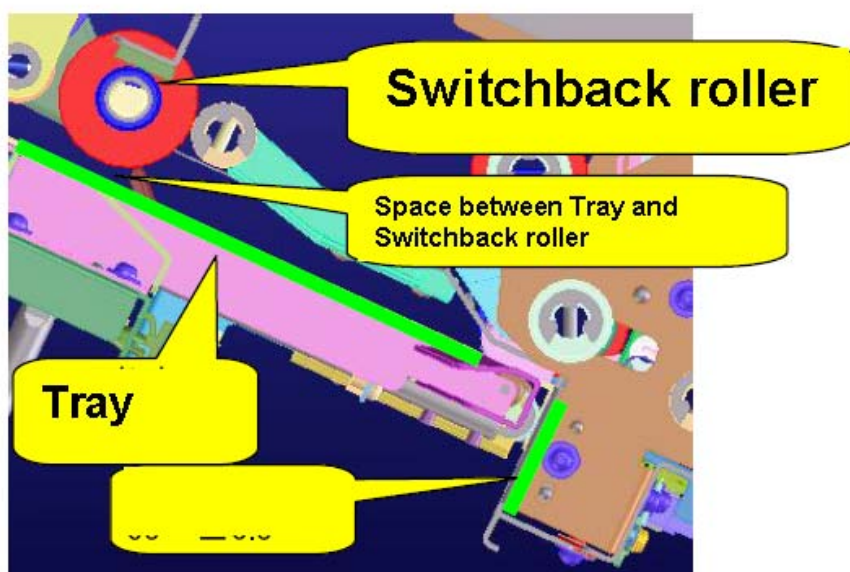
■ Cause

Due to the actual space between the tray and the switchback roller exceeding the target value.

Target value: 3-4mm

Amount of space found in the affected units: 6mm

In the stacking area, the switchback roller drops down onto the surface of the sheet and rotates in order to align the sheets by striking the paper edge against the plate. However, due to the switchback roller being positioned too high, the roller bounces off when dropping onto the surface of the sheet causing an incomplete conveyance of the rotation drive to the sheet, and prevents the paper edge from reaching the plate for alignment.



Reissued:09-Feb-10

Model: Perfect Binder GB5000	Date: 24-Dec-09	No.: RD391020a
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■ Affected Units

Rework to be applied for all mass production units prior to the aforementioned affected units.
Current number of production, inventory, and MIF as of Dec.2

Generic	Production	Inventory	MIF (Production – Inventory)
NA	174	37	137
EU / AP	177	EU 42 / AP 5	130

MODEL NAME	V/Hz	DESTINATION	CODE	SERIAL NUMBER	UNITS
Perfect Binder GB5000	208/60	USA	D391-17	M9780300001-25	25
				M9780400001-04	4
				M9780600001-17	17
				M9780700003-12	10
				M9780800001-14	14
				M9780800027	1
				M9780900022-31	10
				M9781000001-8	8
				M9781000014-21	8
				M9781100001-3	3
				M9781200004-9	6
				M9790100001	1
				M9790300001	1
				M9790400001-3	3
				M9790500010-18	9
				M9790600001-8	8
				M9790700001-6	6
				M9790800009-16	8
				M9790900005-15	11
				M9790900017-32	16
				M9791000009-13	5
Perfect Binder GB5000	(220 to 240)/(50/60)	Europe, Asia	D391-27	M9780300026-53	28
				M9780400005-19	15
				M9780600018-20	3
				M9780600021-37	17
				M978070001-02	2
				M9780800015-26	12
				M9780900001-21	21
				M9780900032-40	9

Reissued:09-Feb-10

Model: Perfect Binder GB5000				Date: 24-Dec-09	No.: RD391020a
				M9781000009-13	5
				M9781100004-10	7
				M9781200001-3	3
				M9790100002	1
				M9790400004-10	7
				M9790500001-9	9
				M9790700007-8	2
				M9790800001-8	8
				M9790800017-31	15
				M9790900001-4	4
				M9790900033	1
				M9791000001-8	8

■ Permanent Solution

- A. Software will be modified to allow change in the height of the switchback roller positioning.
 - B. Adequate value for the space to be set at 3-5 mm. * Adequacy of max value of 5mm has been verified by our design.
 - C. The measuring process will be changed by applying the modified software mentioned in "A" above. The affected units will be corrected by applying the modified software.
- Check/adjustment is applied for all units succeeding the above mentioned production.

■ Rework

A. For Units in Stock

The space between the tray and the switchback roller to be measured during initial installation at customer site using jigs (metal bars of radius 3mm and 5mm).

If the measurement is out of range, please install the modified software aforementioned and readjust the space.

Time required for software installation: 10 min

Time required for adjusting the space: 10 min

Jig (2 metal bars with radius of 3mm and 5mm) is assigned with part number "D3919903".

B. MIF

Please measure the space between the tray and the switchback roller at your next service visit using the jigs.

If the measurement is out of range, please install the modified software aforementioned and readjust the space. Time required for the adjustment is as mentioned above.

C. The kit (metal bars of 3mm and 5mm radius & adjustment procedure guide in digital format) required for this rework will be provided to all regional offices and vendors.

Number of kits to be provided:

RAC - 115 sets

RE - 115 sets

RA - 20 sets

InfoPrint - 20 sets

Reissued:09-Feb-10

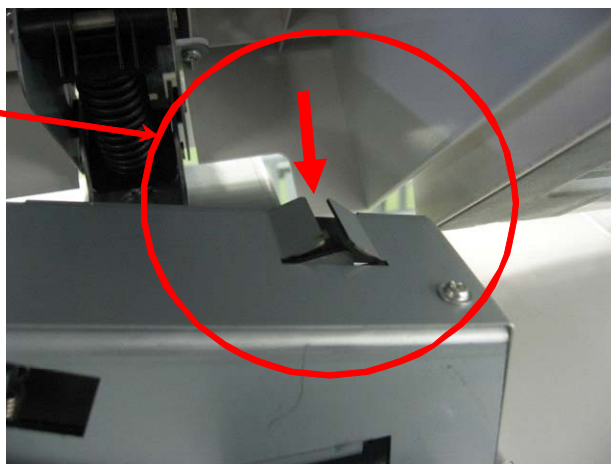
Model: Perfect Binder GB5000

Date: 24-Dec-09

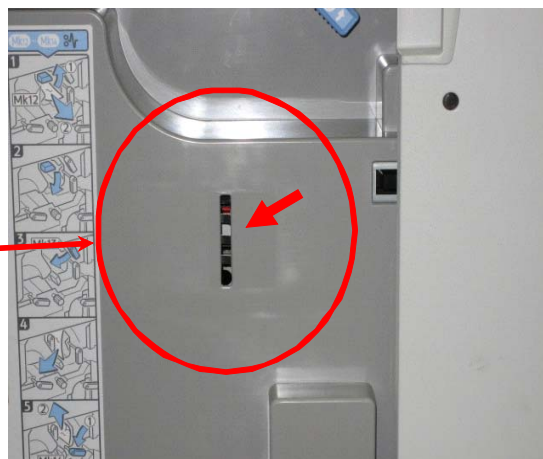
No.: RD391020a

■ Check and Adjustment

1. Turn ON the machine power and initialize.
2. Turn OFF the machine power after initialization.
3. Open the upper cover, and cheat the sensor switch.



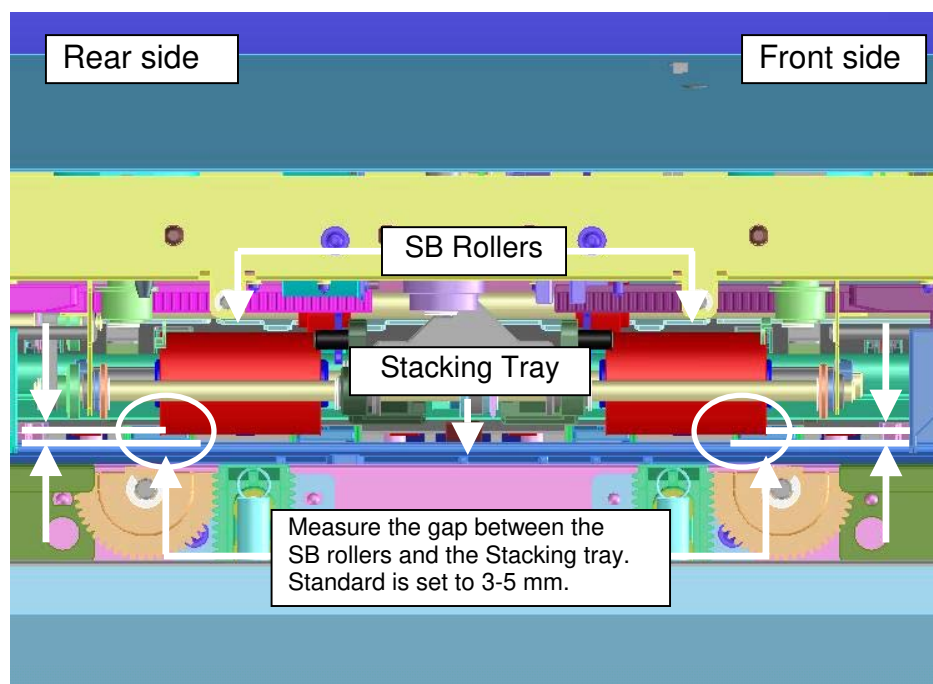
4. Open the front-left door, and cheat the sensor switch.



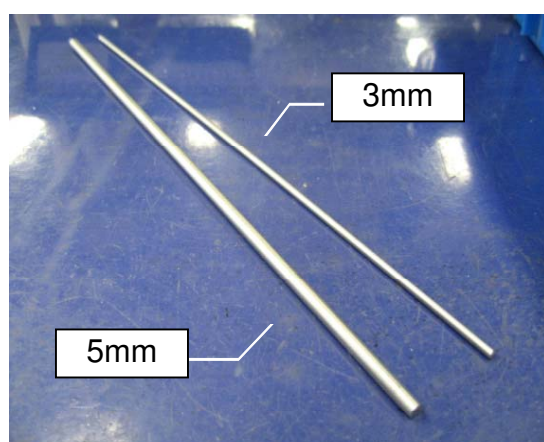
5. Set the service board switches as shown below, and then turn ON the machine power.
SW1 -1: ON
SW2 - 3, 4, & 6: ON
6. Press PSW 1 on the service board.
The SB rollers will descend and make contact with the sub-tray. (LED 1, 2 & 3 indicate the currently applied value.)

Reissued:09-Feb-10
Model: Perfect Binder GB5000
Date: 24-Dec-09
No.: RD391020a

7. Press PSW 1 again. The SB rollers will ascend.
Use the 3mm/5mm radius jigs (bars) to check the gap in the front and rear sides respectively.
- Criteria-
- [A] If the 3mm radius jig is in contact with the SB roller, the SB roller home position is set too low and requires adjustment.
 - [B] If the 5mm radius jig is not in contact with the SB roller, the SB roller home position is set too high and requires adjustment.
 - [C] If the 3mm radius jig is not in contact with the SB roller and the 5mm radius jig is in contact with the SB roller, adjustment is not required.



D3919903 [Jigs for checking the gap]



Reissued:09-Feb-10

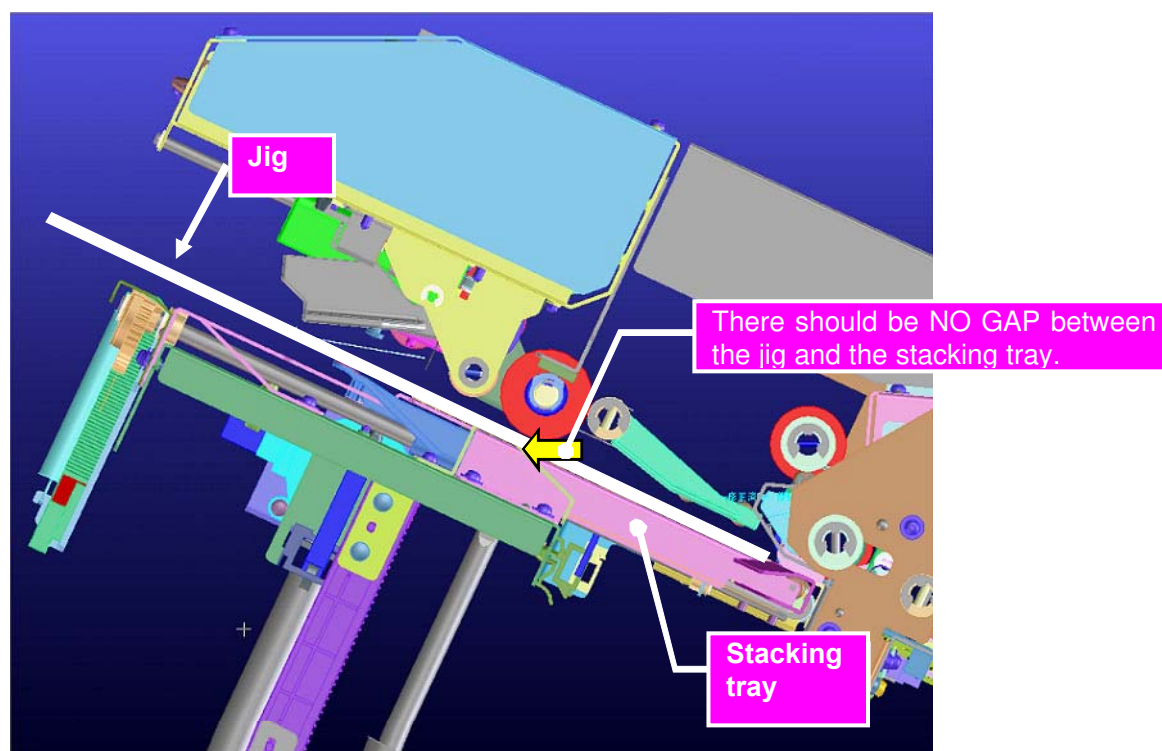
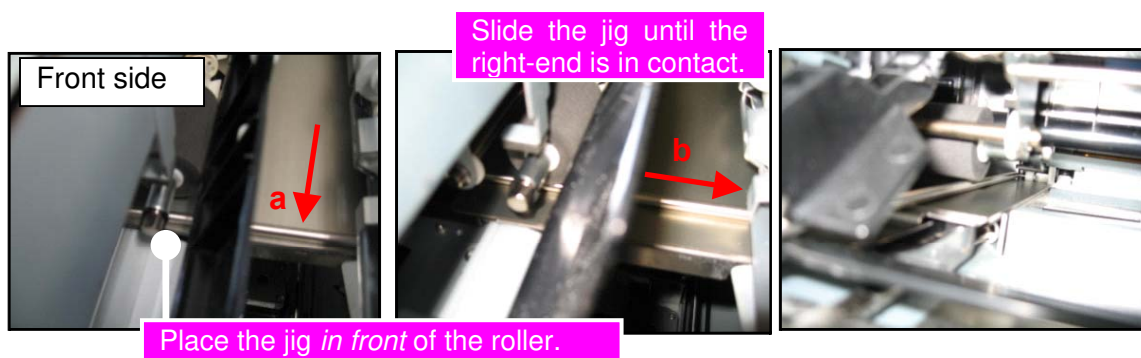
Model: Perfect Binder GB5000

Date: 24-Dec-09

No.: RD391020a

-How to use the jigs for checking the gap-

Place the jig *in front* of the roller (to prevent the edge of the tool from damaging the rollers). Hold the position marked "a" in the photo below and slide the jig in the direction "b" keeping it parallel until the right-end is in contact. Then, slide the jig in the direction of the roller to check the gap. (Do the same for the rear side.)



Reissued:09-Feb-10

Model: Perfect Binder GB5000

Date: 24-Dec-09

No.: RD391020a

8. Press PSW 1 again.
The SB rollers will descend and make contact with the sub-tray. (LED 1, 2 & 3 will indicate the currently applied value.)
9. Make the following adjustment according to the result obtained in step "7".
If resulted in [A], make adjustments in the "+" direction.
If resulted in [B], make adjustments in the "-" direction.

-How to make the adjustment-

Press PSW2 once to lift the SB rollers. (1pls = 0.25mm)

Press PSW3 once to lower the SB rollers. (1pls = 0.25mm)

The allowed range for adjustment is +/- 2.25mm (0.25mm x 9pls) if the initial value is "0"

- "+" and "-" is indicated by LED1. If LED 1 is OFF, this indicates "+", and ON indicates "-".
- Adjustment values are indicated by the number of flashes (duration: 0.3 sec) of LED2 and LED3 in sequence "1" and "3". Number of LED2 flashes in sequence "1" indicates the 'tenths' place, and the number of LED3 flashes in sequence "3" indicates the 'ones'. (However, due to the allowed adjustment range being +/- 9mm, the 'tenths' place is not required.)
- The LED is lit for 2 seconds to indicate the value "0 (Sequence 1)".

Example 1: LED indication for +9pls

Sequence	LED1	LED2	LED3	Remarks
1	OFF	ON	OFF	LED2 ON (2 sec)
2		OFF	OFF	LED2, LED3 OFF (1 sec)
3		OFF	FLASH x9	Flash duration: 0.3 sec
4		OFF	OFF	LED2, LED3 OFF (1 sec)

Example 2: LED indication for -5pls

Sequence	LED1	LED2	LED3	Remarks
1	ON	ON	OFF	LED2 ON (2 sec)
2		OFF	OFF	LED2, LED3 OFF (1 sec)
3		OFF	FLASH x5	Flash duration: 0.3 sec
4		OFF	OFF	LED2, LED3 OFF (1 sec)

Reissued:09-Feb-10

Model: Perfect Binder GB5000	Date: 24-Dec-09	No.: RD391020a
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10. Press PSW1 when the desired value is obtained. The SB rollers will ascend, and the new value is written onto the EEPROM.
11. Repeat steps 7-10 until the gap is adjusted, and record the “SBUD-MTR” and the adjusted values obtained from the evaluation using the two jigs onto the servicing list on the right door.



GLU - EDG2	3		
GLU - EDG3	3		
GLU - EDG4	3		
GLU - AMT1	-1		
GLU - AMT2	0		
GLU - AMT3	1		
GLU - AMT4	3		
GLU - AMT5	3		
GLU - AMT6	3		
TBWRNLVL	40		
TBPCOUNT	55		
TBP - POSW	0		
TBP - MVSW	1		

SBUD-MTR

Adjusted values

12. Set all switches on SW1 and SW2 to OFF, release the cheated switches, and turn OFF the machine power when completing the adjustment.

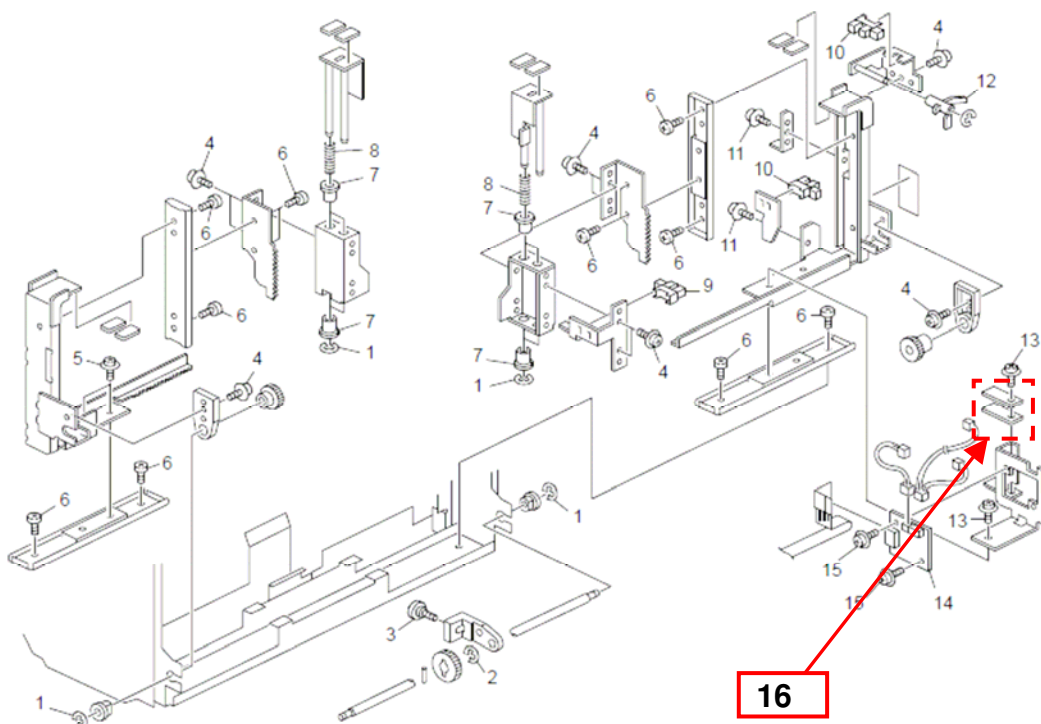
Model: Perfect Binder GB5000		Date: 28-Dec-09	No.: RD391021
Subject: Added Part Number in Parts Catalogue		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following corrections to your parts catalog.

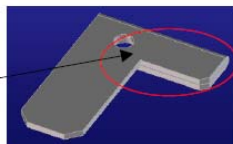
The shape of the bracket and material of the bracket holder (sponge → rubber) have been modified for better stability.

Part Number	Description	Q'ty	Page	Index	Note
D3911510	BRACKET: PLATE: CORE: PF4140K085A: ASS'Y	1	80	16	Add

40.Sub Gripper Section 3 (D391)

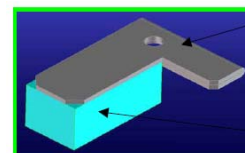


Current



Modified

80



P/N D3911510 assigned for both bracket and rubber.

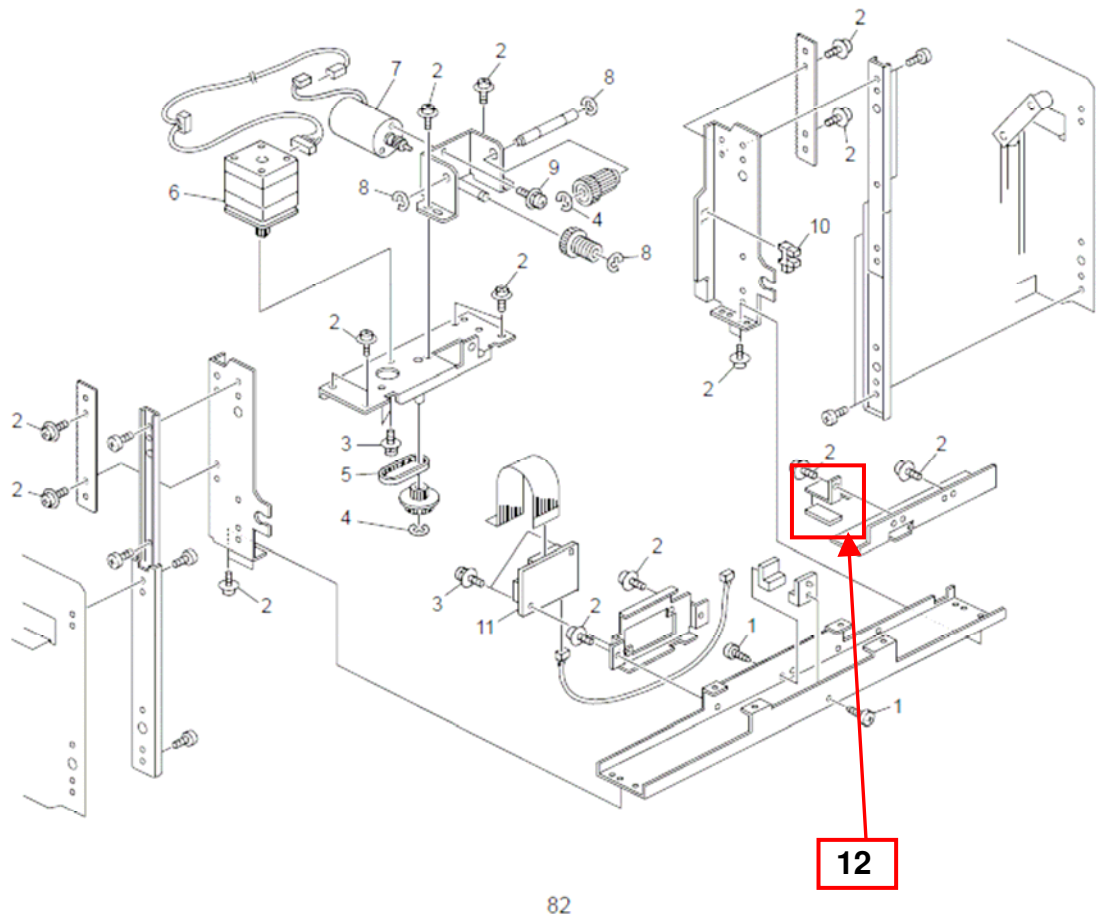
Model: Perfect Binder GB5000

Date: 28-Dec-09

No.: RD391021

Part Number	Description	Q'ty	Page	Index	Note
D3911509	BRACKET: PLATE: CAVITY: PF4140K084A: ASS'Y	1	82	12	Add

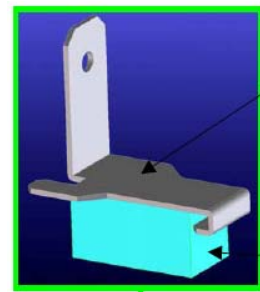
41.Sub Gripper Section 4 (D391)



Current



Modified



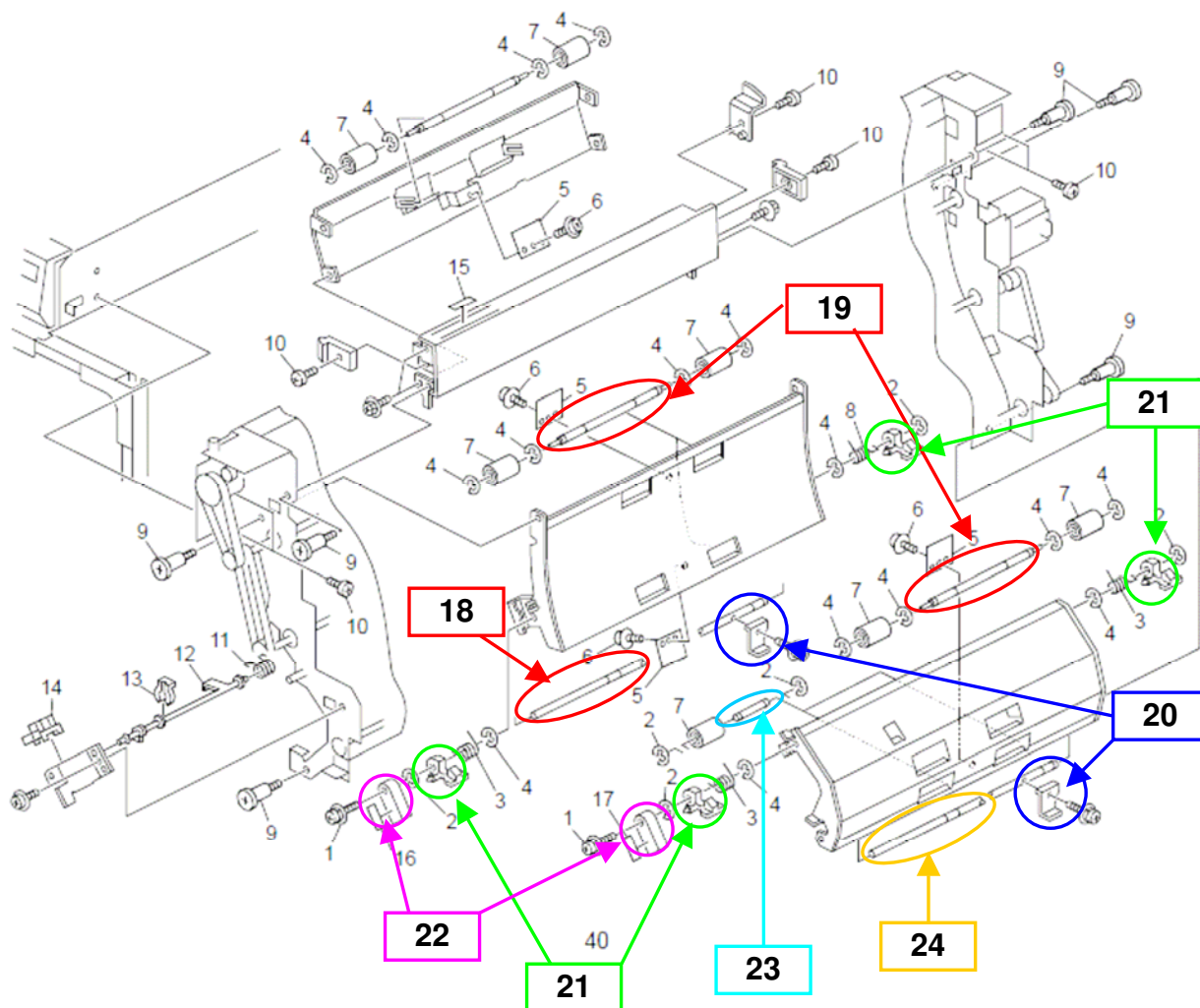
P/N D3911509 assigned for both bracket and rubber.

Model: Perfect Binder GB5000		Date: 28-Dec-09	No.: RD391022
Subject: Added Part Numbers in Parts Catalog		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following part number additions to your parts catalog.

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911520	SHAFT: LOCK: PF3091P845	1	-	40	18	Add
D3911521	SHAFT: TFD: PF3091P847	2	-	40	19	Add
D3911522	BRACKET: POSITIONING: SENSOR: PF3091P141	2	-	40	20	Add
D3911523	ARM: LOCK: PF4140P120	4	-	40	21	Add
D3911525	HANDLE: ARM: LOCK: PF4155P607	2	-	40	22	Add
D3911526	SHAFT: TFD: PF3091P846	1	-	40	23	Add
D3911527	SHAFT: LOCK: GUIDE: PF3091P843	1	-	40	24	Add

20.Vertical Feed Section 1 (D391)



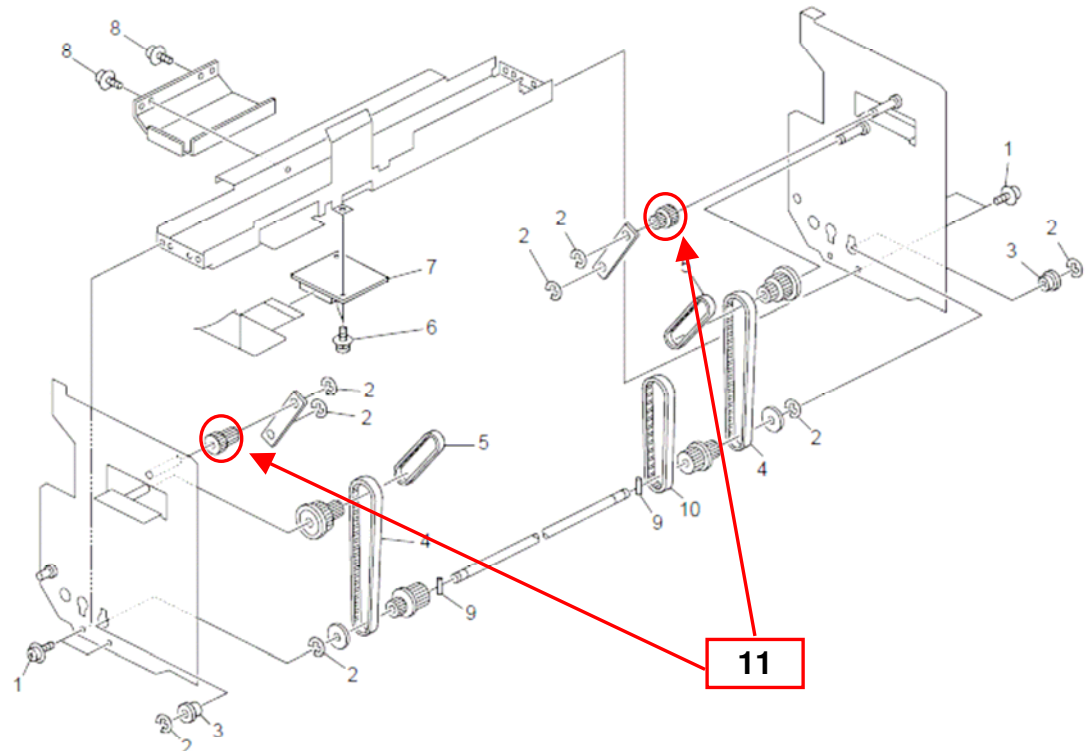
Model: Perfect Binder GB5000

Date: 28-Dec-09

No.: RD391022

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911513	TIMING PULLEY: S2MX20: PF4140P321	2	-	84	11	Add

42.Sub Gripper Section 5 (D391)



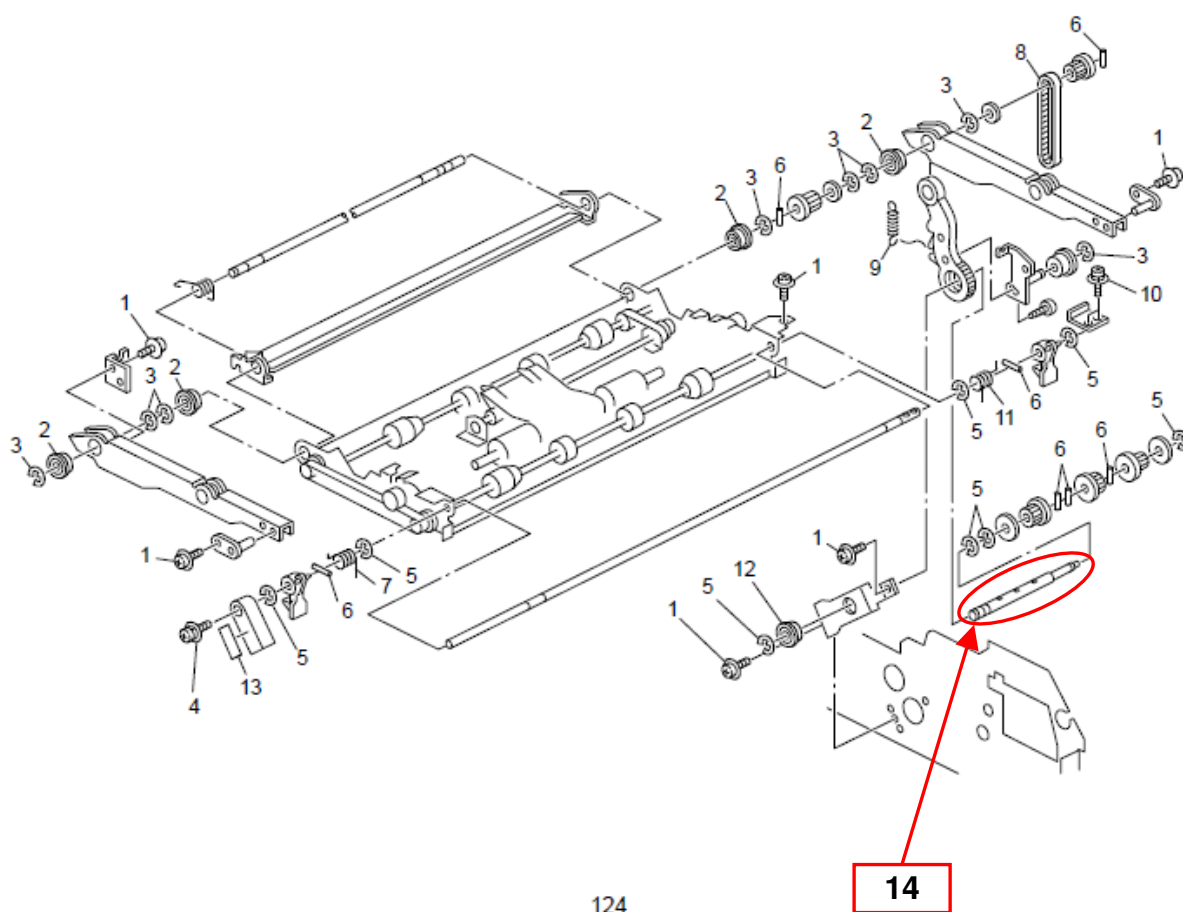
Model: Perfect Binder GB5000

Date: 28-Dec-09

No.: RD391022

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911515	SHAFT: IDLER: TRANSPORT SUB-UNIT: PF4155P761	1	-	124	14	Add

62.Cover Feed Path Section 6 (D391)



124

14

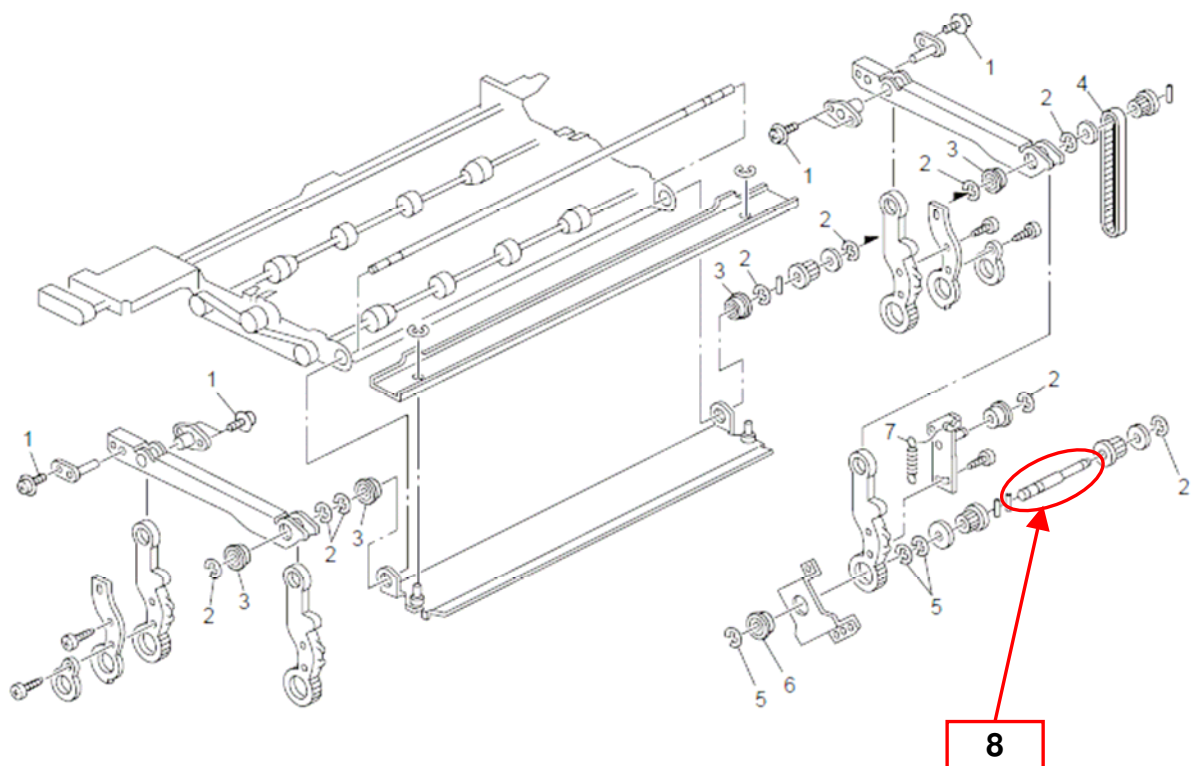
Model: Perfect Binder GB5000

Date: 28-Dec-09

No.: RD391022

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911514	SHAFT: CONTACT POINT: TRANSPORT SUB-UNIT: PF4155P695	1	-	130	8	Add

65.Cover Feed Path Section 9 (D391)



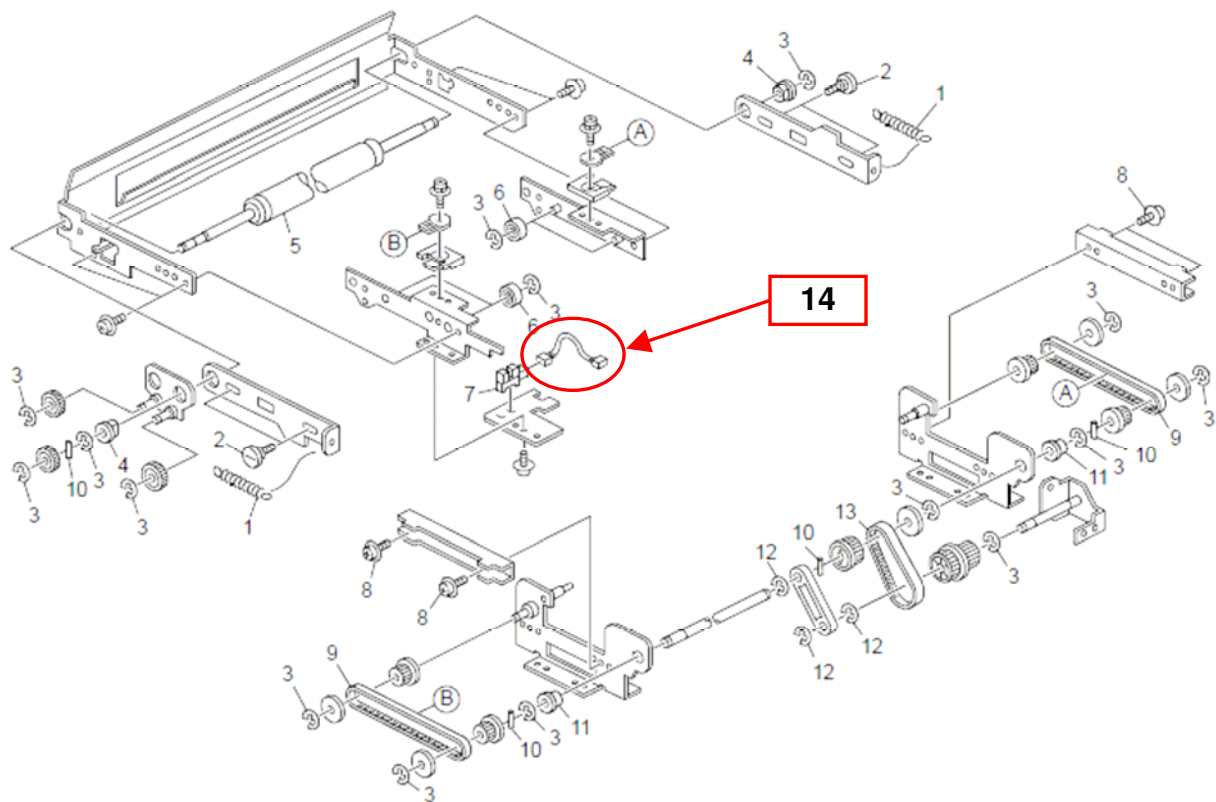
Model: Perfect Binder GB5000

Date: 28-Dec-09

No.: RD391022

Part Number	Description	Q'ty	Int	Page	Index	Note
D3915314	HARNESS: PAPER FEED SENSOR: PF4140K782	1	-	146	14	Add

73.Bundle Feed Section 2 (D391)



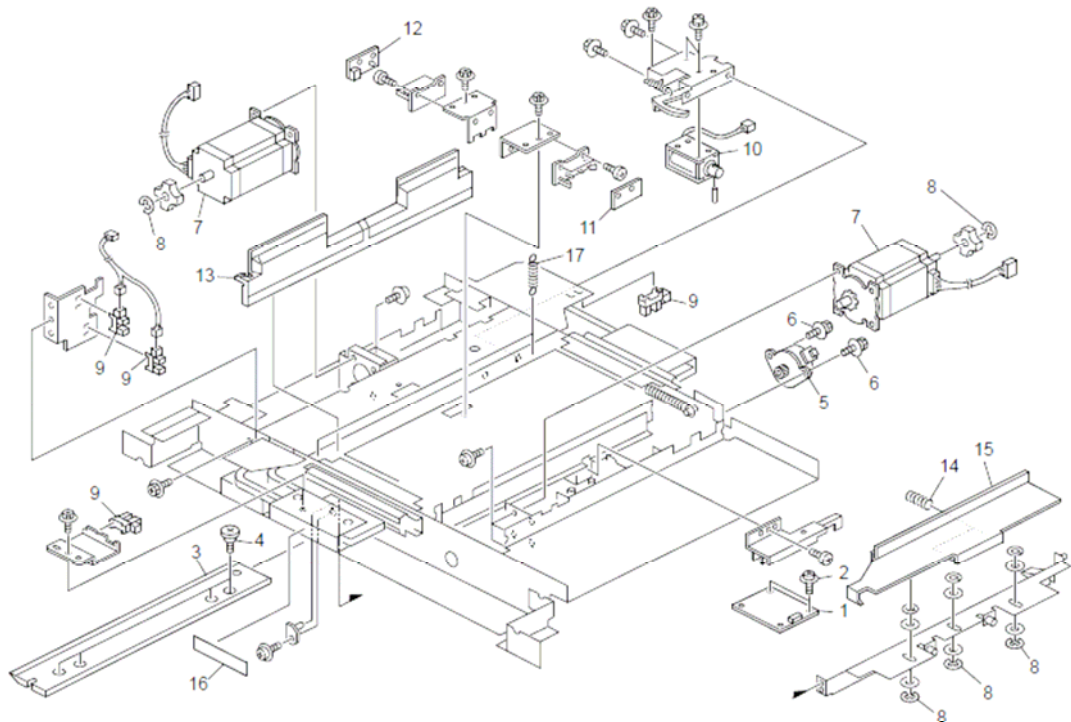
Model: Perfect Binder GB5000

Date: 28-Dec-09

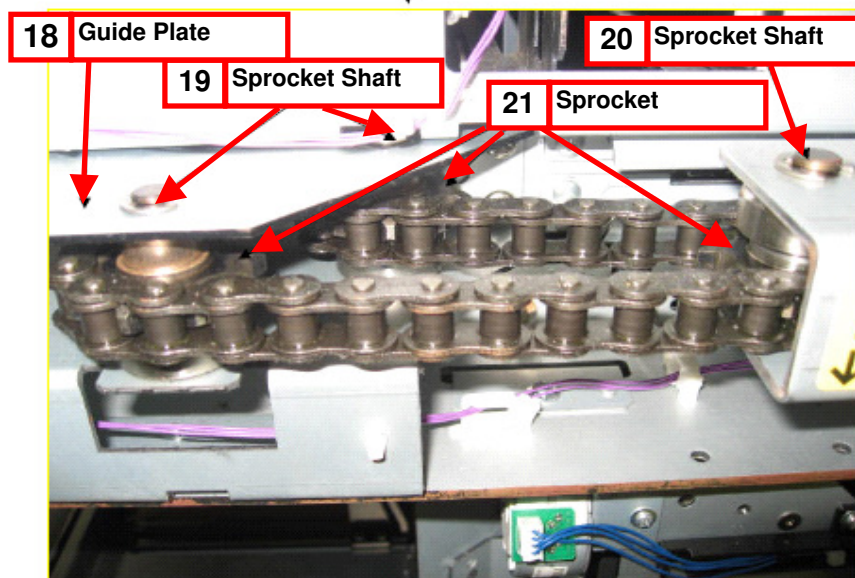
No.: RD391022

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911516	GUIDE PLATE:SPROCKET:PF4140Q148	1	-	164	18	Add
D3911517	SHAFT:SPROCKET:CAVITY:PF4140Q142	2	-	164	19	Add
D3911518	SHAFT:SPROCKET:CORE:PF4140Q162	1	-	164	20	Add
D3911519	SPROCKET:PF4140L508:ASS'Y	3	-	164	21	Add

82.Trimming Section 1 (D391)



164



Model: Perfect Binder GB5000		Date: 06-Jan-10	No.: RD391023
Subject: Added Part Number in Parts Catalog – Trimmings Buffer Unit		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

CHANGE:

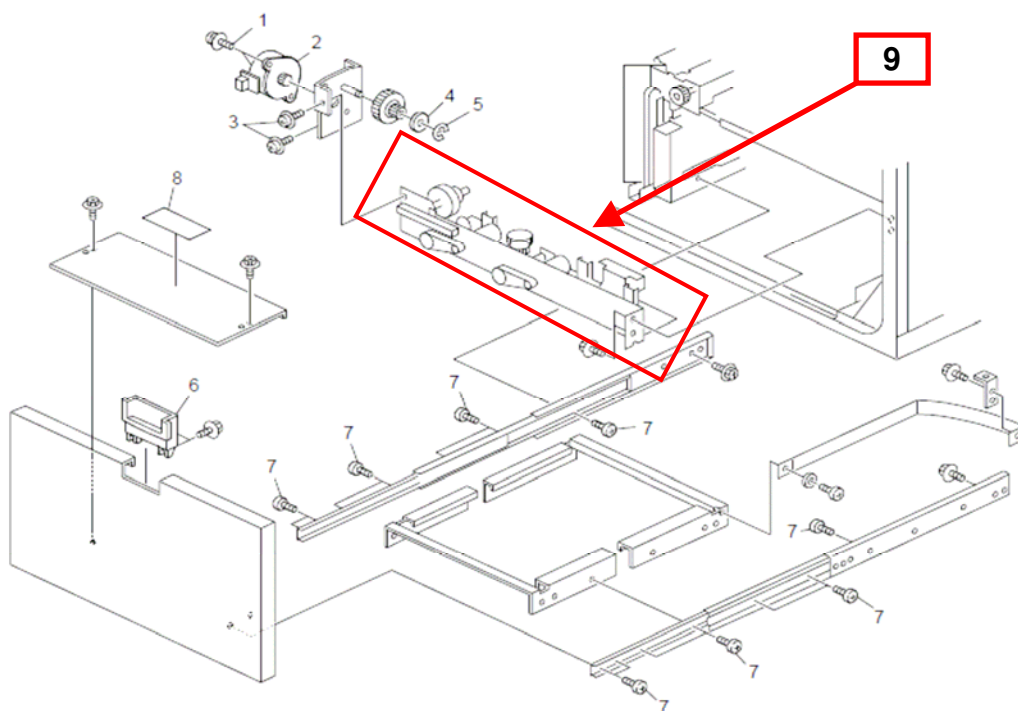
A part number has been newly assigned for the following assembly unit.

REASON:

The bracket and metal plate have been modified to avoid deformation of the gear shafts and the metal plate, which could occur when excessive load is put on the gears caused by a jam in the Trimmings Buffer unit. A part number has been assigned in accordance with this modification.

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911460	DRIVE SUB-UNT: PAPER CHIP: PF4140L392	1	-	166	9	Add

83.Waste Paper Case Section 1 (D391)

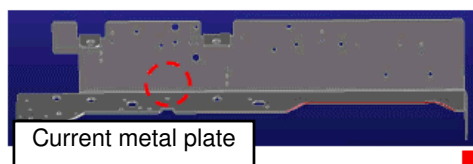
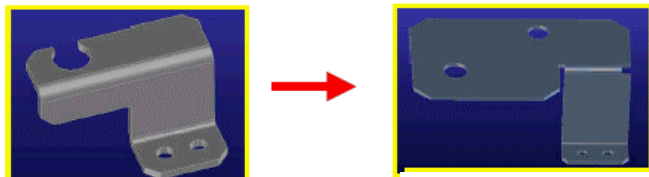


Model: Perfect Binder GB5000

Date: 06-Jan-10

No.: RD391023

The bracket has been modified as shown below to improve stability in holding the gear shafts.



Current metal plate



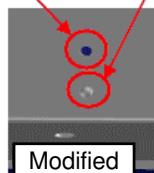
Current



Added screw hole and notch

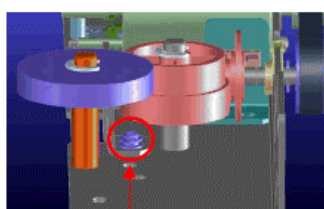


Modified metal plate

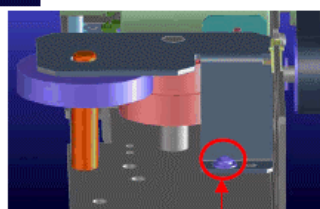


Modified

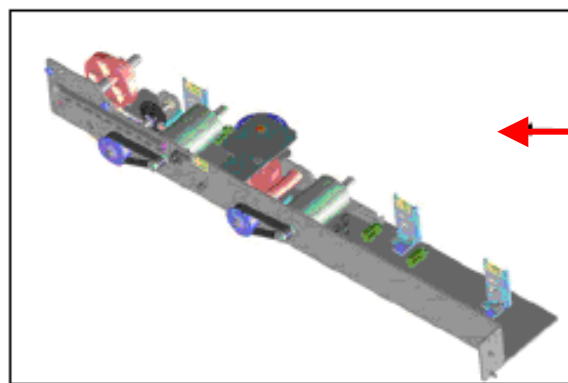
Change in number of screws



Two screw holes



One screw hole



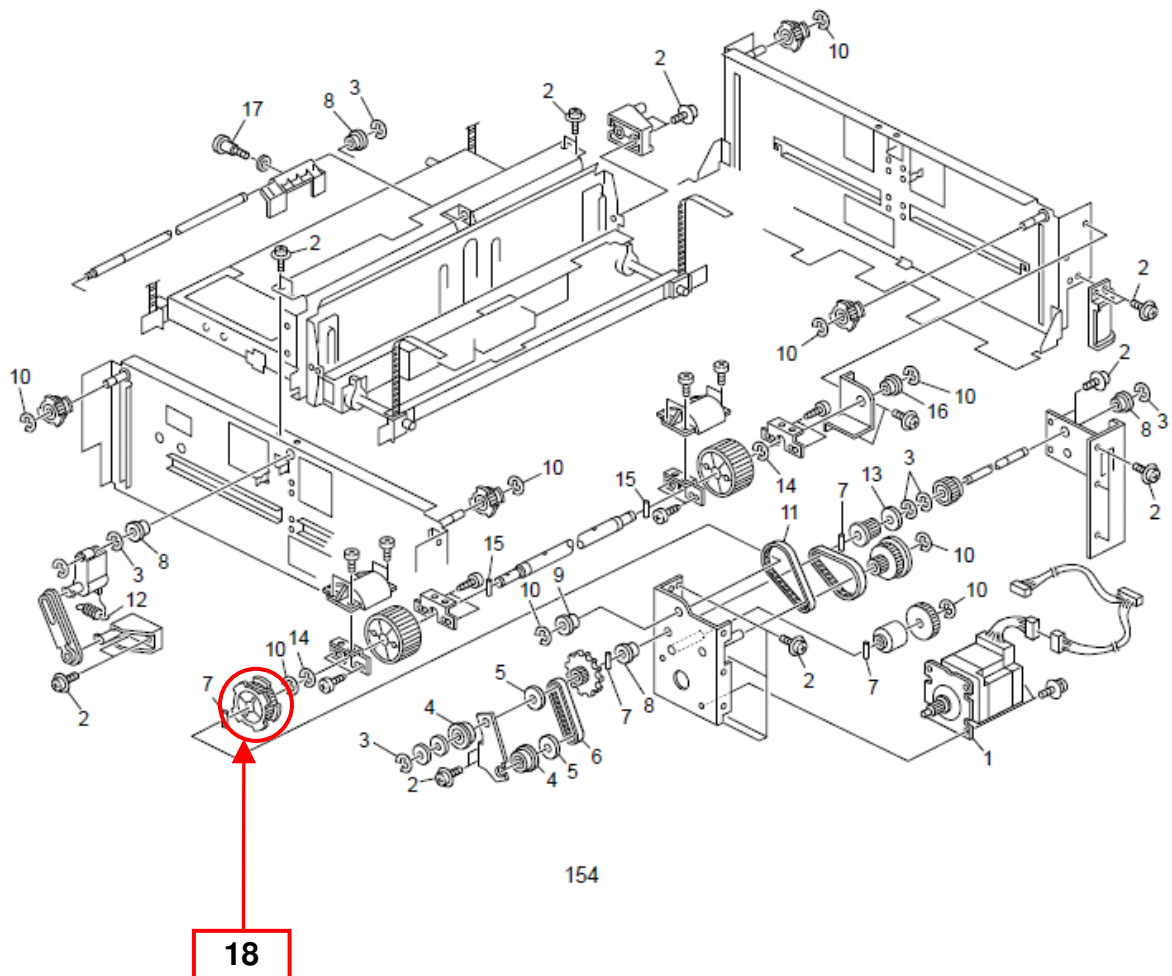
Newly registered "D3911460"

Model: Perfect Binder GB5000		Date: 06-Jan-10	No.: RD391024
Subject: Added P/N in Parts Catalogue – Field Request		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following part number additions to your parts catalog.

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911511	TIMING PULLEY: PF4140Q753A1	1	-	154	18	Add

77.Stack Rotation Section 2 (D391)



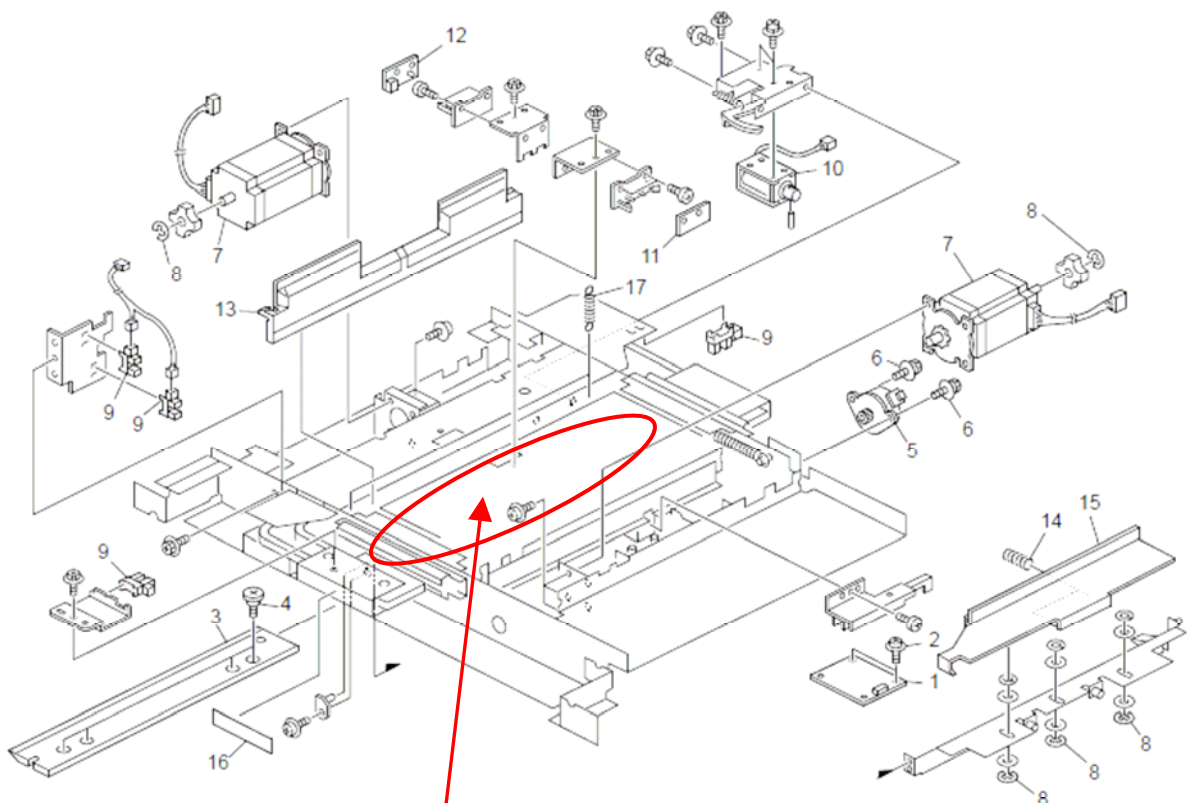
Model: Perfect Binder GB5000	Date: 06-Jan-10	No.: RD391024
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Part Number	Description	Q'ty	Int	Page	Index	Note
D3911512	SHEET: DISCHARGE: PF4140Q476	1	-	164	18	Add

This part is not identified in this diagram. However, this part will be indexed with number "18".

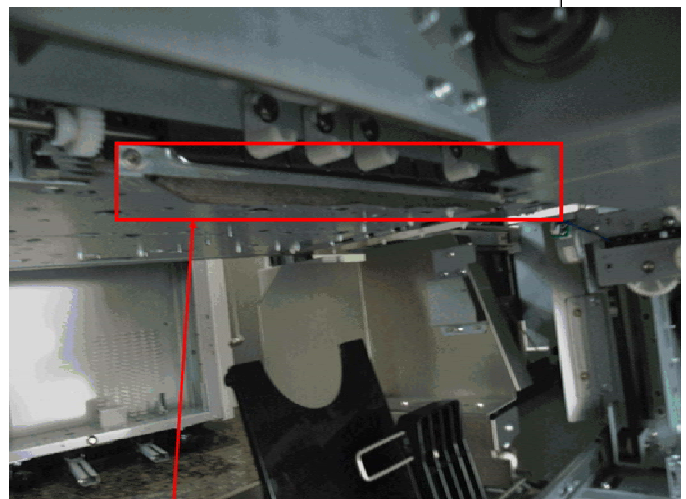
Please refer to the red circle for the location of this part positioned right beneath the Receive Plate (index number 13).

82.Trimming Section 1 (D391)



18

164



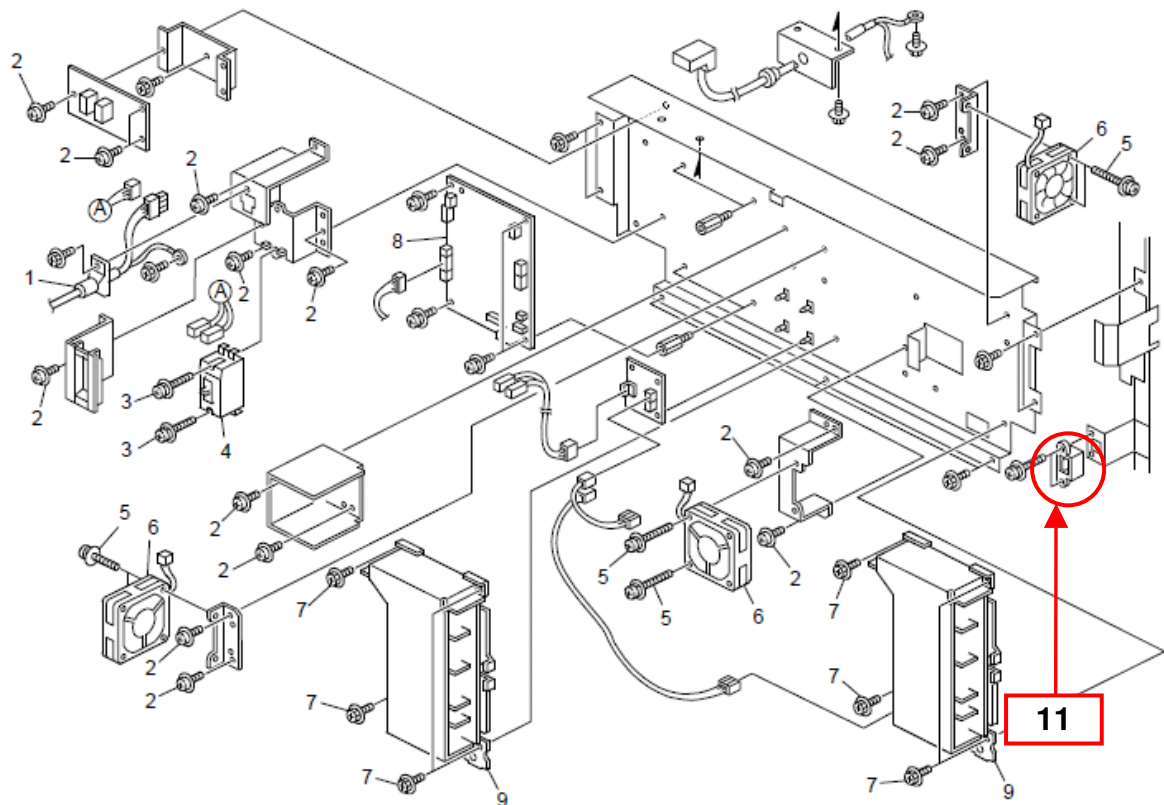
Model: Perfect Binder GB5000

Date: 06-Jan-10

No.: RD391024

Part Number	Description	Q'ty	Int	Page	Index	Note
D3915312	HARNESS: CONNECTING: PF4155K908	1	-	186	11	Add

93.Electrical Section 2 (D391)

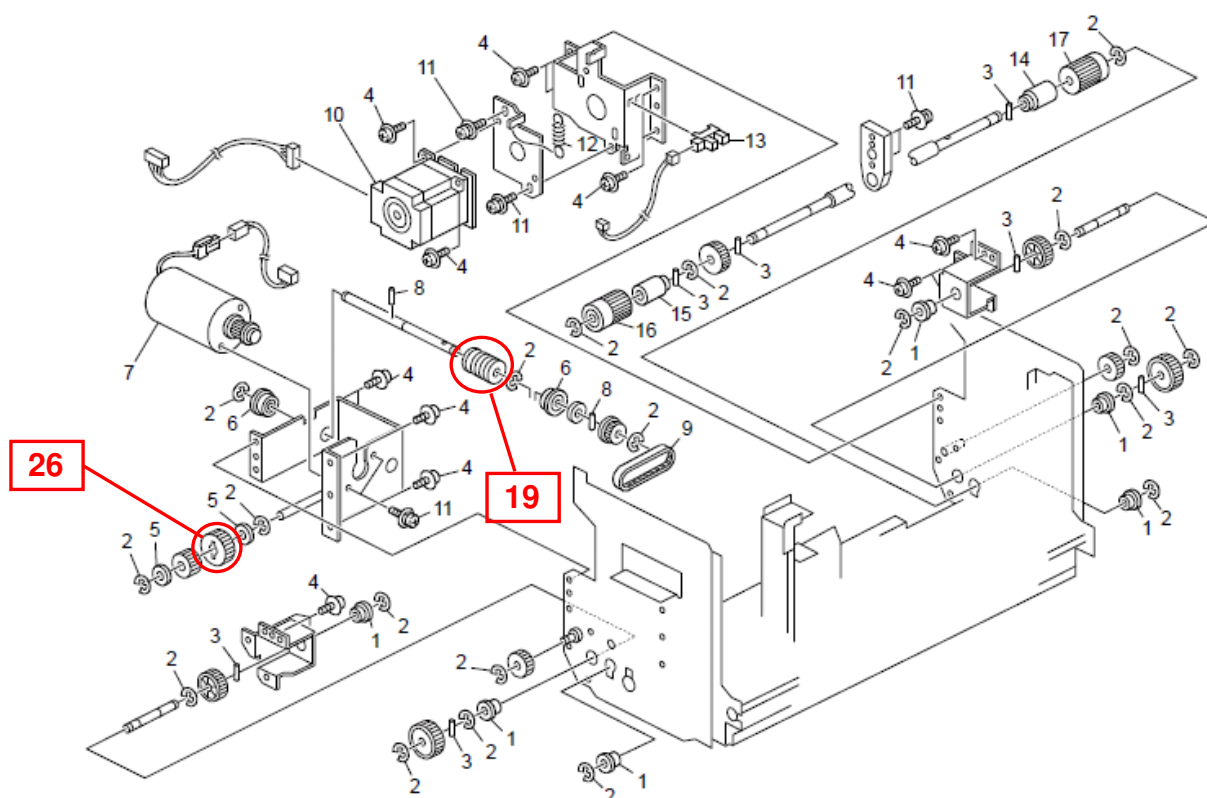


Model: Perfect Binder GB5000		Date: 25-Feb-10	No.: RD391025
Subject: Part Number Modification		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following corrections to your parts catalog.
 New part numbers have been assigned due to modification.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
D3911490	D3911507	GEAR:WORM GEAR:PF4140P484	1	-	79	19
D3911495	D3911506	GEAR:PF4140P394		-	79	26

39.Sub Gripper Section 2 (D391)



Reissued: 03-Mar-10

Model: Pefect Binder GB5000

Date: 13-Nov-09

No.: RD391016b

RTB Re-reissue

This RTB has been re-reissued to announce a correction.

P/N D3912024 Arm: Hinge: Door: FP4140P920 in “1. Exterior 1”, page 2, index 8 had already been assigned as p/n D3911471 in the previously issued RTB RD391014. Therefore, please disregard D3912024 and refer to D3911471 for this part.

Index number for D3912028 DOOR: FRONT RIGHT: PF4155Q501 has also been changed from “30” to “29” accordingly with the above correction.

Reissued: 03-Mar-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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RTB Reissue

This RTB has been reissued to announce the additionally registered parts numbers (indicated in green).

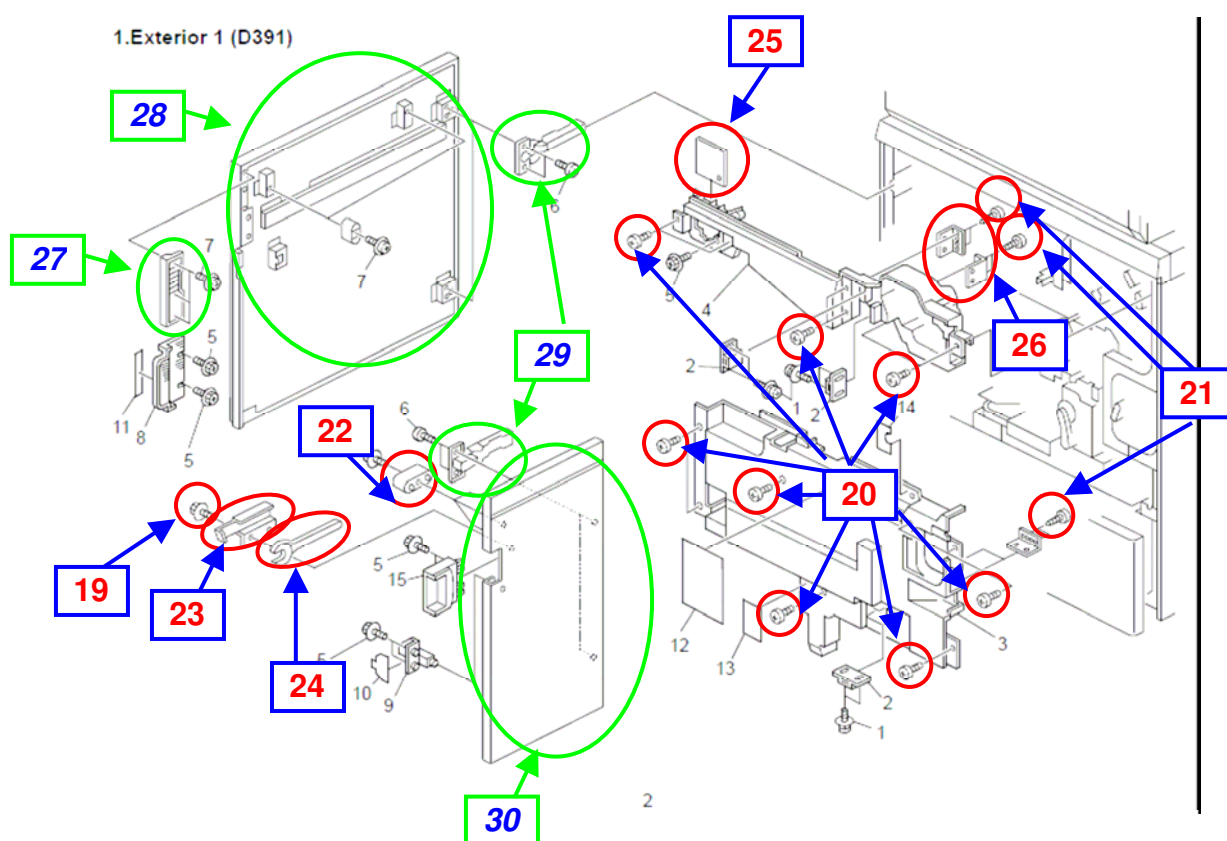
Subject: Parts catalog correction		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction <input type="checkbox"/> Vendor change <input type="checkbox"/> Other <input type="checkbox"/> To facilitate assembly <input type="checkbox"/> To improve reliability <input type="checkbox"/> To meet standards <input type="checkbox"/> Part standardization <input type="checkbox"/> Product Safety ()		

Parts missing the index and given incorrect names have been corrected.

1.Exterior 1 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911244	Screw:M4X8:NS-SCR00050B	1	-	2	19	Add
B6604835	Screw:NS-SCR00045A	12	-	2	20	Add
D3911117	Binding Self-Tapping Screw: M3X8: 030080FWBB	3	-	2	21	Add
D3912025	Bracket:Pick-up Paper Jam: Door: PF4140Q543	1	-	2	22	Add
D3912026	Holder:Wrench:PF4140P010	1	-	2	23	Add
D3912027	Wrench:19MM:PF4140P900	1	-	2	24	Add
D3912029	Inner Cover:Base:PF4140Q511	1	-	2	25	Add
D3912030	Plate:Magnetic:Door:PF4140Q510	2	-	2	26	Add
D3912022	COVER:DOOR:LEFT:PF4155Q555	1	-	2	27	Add
D3912023	DOOR:FRONT LEFT:PF4155Q500	1	-	2	28	Add
D3912024 D3911471	ARM:HINGE:DOOR:PF4140P920	2 4	-	2	29 18	Add
D3912028	DOOR:FRONT RIGHT:PF4155Q501	1	-	2	29 29	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3912007	Handle:Door:Left: PF4140Q529B1	Handle:Door:Left:PF4155Q529	1	-	2	8



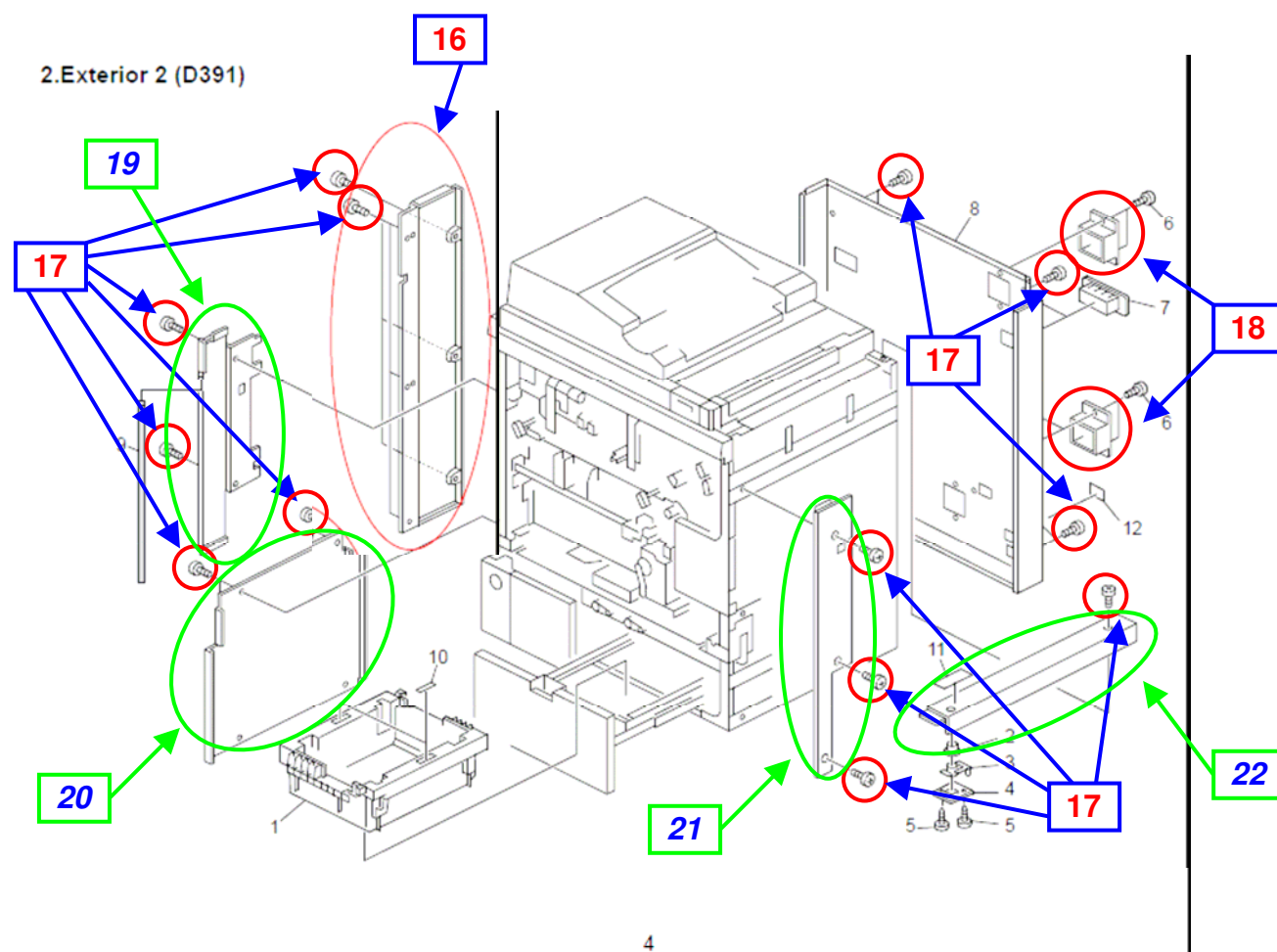
Reissued: 03-Mar-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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2.Exterior 2 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914500	Cover:Left Rear:PF4165Q525	1	-	4	16	Add
B6604835	Screw:NS-SCR00045A	20	-	4	17	Add
D3912034	Cover:Fan:PF4155K102	2	-	4	18	Add
D3912031	COVER:LEFT:PF4155Q522	1	-	4	19	Add
D3912032	COVER:LEFT LOWER:PF4155Q513	1	-	4	20	Add
D3912033	COVER:RIGHT:PF4155Q506	1	-	4	21	Add
D3912035	COVER:MAIN SWITCH:PF4155Q537	1	-	4	22	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3911269	Case:Paper Chip: PF4140K376A:Ass'y	Case:Paper Chip: PF4155K376:Ass'y	1	-	4	1
D3912018	Keytop:PF4140Q544A5	Keytop:PF4155Q544	1	-	4	2
D3912002	Grip:Rear:PF4140P931A	Grip:Rear:PF4155K106	2	-	4	7
D3912005	Cover:Rear:PF4140Q508L	Cover:Rear:PF4155Q508	1	-	4	8



Reissued: 03-Mar-10

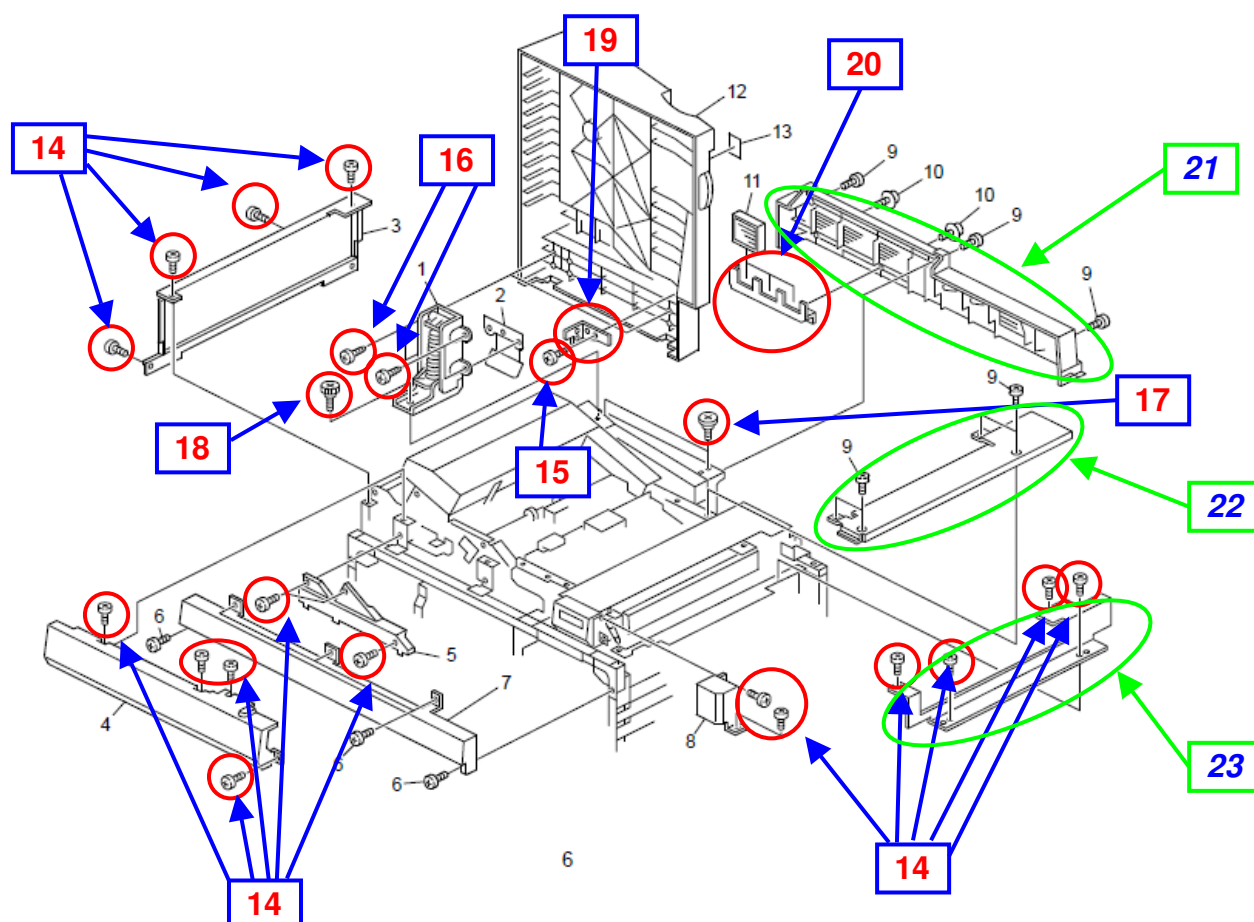
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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3.Exterior 3 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
B6604835	Screw:NS-SCR00045A	16	-	6	14	Add
D3911117	Binding Self-Tapping Screw: M3X8: 030080FWBB	1	-	6	15	Add
D3911131	Binding Self-Tapping Screw: M4X10: 040100FWBB	4	-	6	16	Add
D3914111	Screw:PF3091P352	2	-	6	17	Add
D3914112	Screw:PF3091P356	1	-	6	18	Add
D3912036	Feeler:Sensor:PF4140Q523	1	-	6	19	Add
D3912037	Bracket:Holder:Filter:PF4140Q559	1	-	6	20	Add
D3912038	COVER:REAR UPPER:PF4155Q534	1	-	6	21	Add
D3912039	COVER:UPPER MIDDLE:PF4155Q509	1	-	6	22	Add
D3912040	COVER:RIGHT UPPER:PF3099P808	1	-	6	23	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3912004	Cover:Left Upper: PF4140Q507E	Cover:Left:Upper: PF4155Q507	1	-	6	3
D3912015	Cover:Left Front:Upper: PF4140Q538C1	Cover:Left Front: Upper: PF4155Q538	1	-	6	4
D3912003	Cover:Front Upper: PF4140Q505C	Cover:Front Upper: PF4155Q505	1	-	6	7
D3912014	Cover:Right Front:Upper: PF4140Q536B1	Cover:Right Front:Upper: PF4155Q536	1	-	6	8
D3912011	Cover:Upper:Open/Close: PF4140Q533C1	Cover:Upper:Open/Close: PF4155Q533	1	-	6	12

3.Exterior 3 (D391)



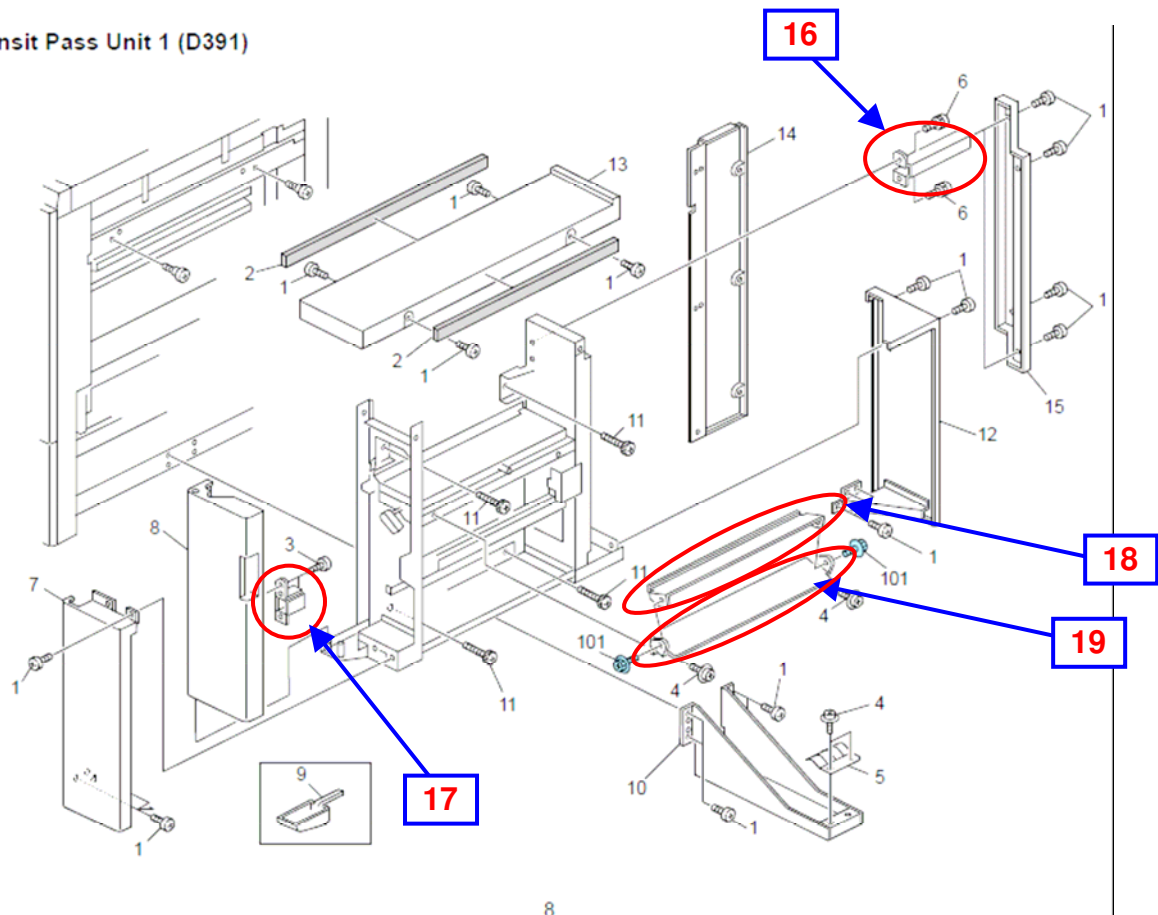
Reissued: 03-Mar-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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4.Transit Pass Unit 1 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914513	Bracket:Cover:Rear:PF4165Q625	1	-	8	16	Add
D3914514	Bracket:Magnet Catch:PF4165Q626	1	-	8	17	Add
B6601768	Guide Plate:Connecting:PF4147P818A	1	-	8	18	Add
B8307511	Guide Plate:Connecting:Lower	1	-	8	19	Add

4.Transit Pass Unit 1 (D391)



Reissued: 03-Mar-10

Model: Pefect Binder GB5000

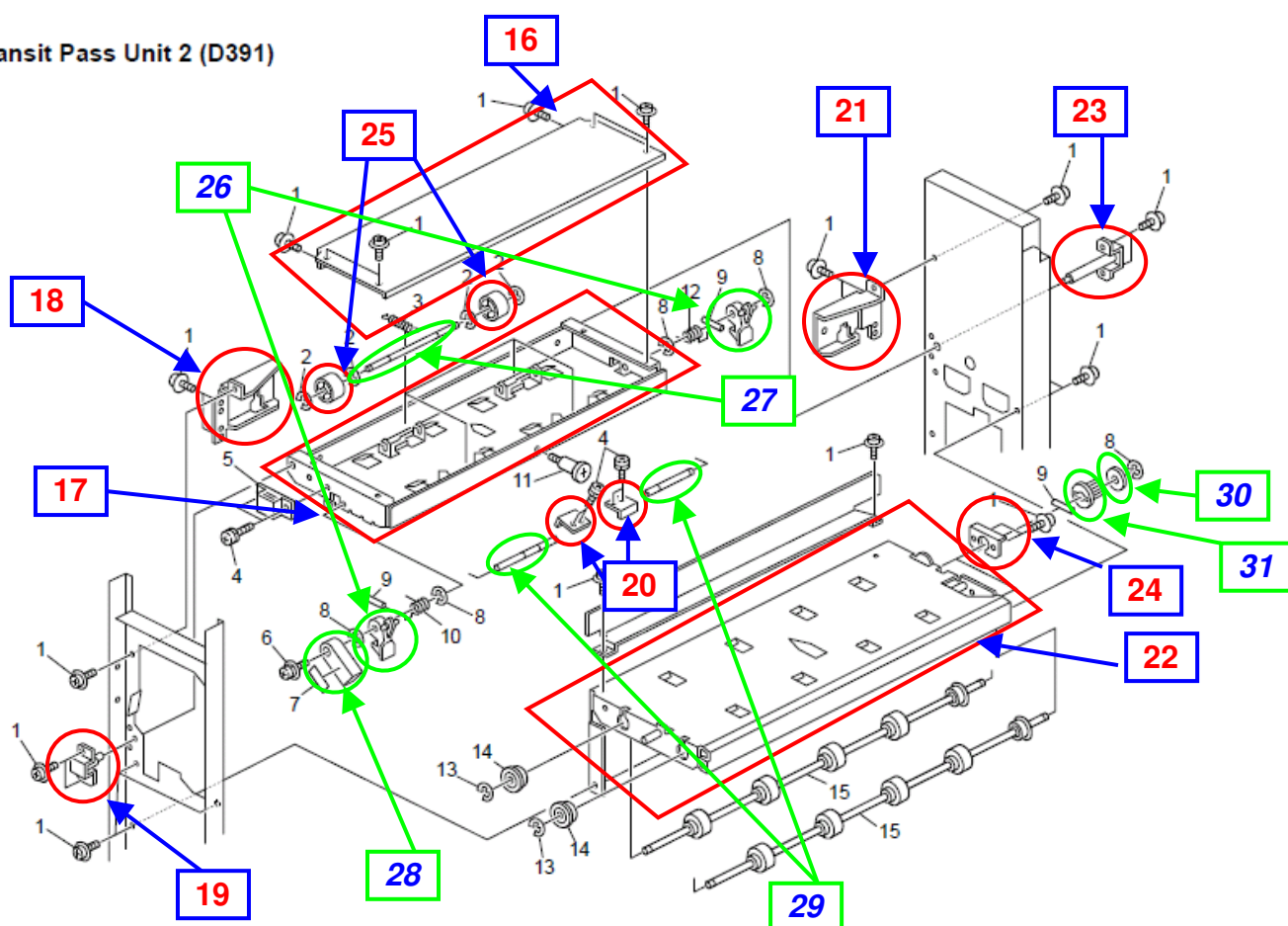
Date: 13-Nov-09

No.: RD391016b

5.Transit Pass Unit 2 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914515	Cover:Upper:PF4165Q618	1	-	10	16	Add
D3914516	Stay:Transport:Upper:PF4165Q604	1	-	10	17	Add
D3914517	Bracket:Transport:Front:PF4165Q607	1	-	10	18	Add
D3914526	Shaft:Transport Sub-Unit: Front: PF4165K604	1	-	10	19	Add
D3914529	Plate:Release:PF4140P637	2	-	10	20	Add
D3914531	Bracket:Transport:Rear:PF4165Q608	1	-	10	21	Add
D3914532	Stay:Transport:Lower:PF4165Q606	1	-	10	22	Add
D3914533	Shaft:Transport Sub-Unit: Rear:PF4165K605	1	-	10	23	Add
D3914536	Bracket:Shaft:Transport Roller: PF4165Q609	1	-	10	24	Add
D3911350	Collar:PF4140P958A	2	-	10	25	Add
D3914528	BRACKET:RELEASE:PF4140P120	2	-	10	26	Add
D3914518	SHAFT:ROLLER:PF4140P618	1	-	10	27	Add
D3914519	HOLDER:SHAFT:RELEASE:PF4155P607	2	-	10	28	Add
D3914530	SHAFT:RELEASE:PF4165Q651	1	-	10	29	Add
D3914535	FLANGE:TIMING PULLEY:PF4099P225	1	-	10	30	Add
D3914534	TIMING PULLEY:S2MX16:PF4140P631	1	-	10	31	Add

5.Transit Pass Unit 2 (D391)



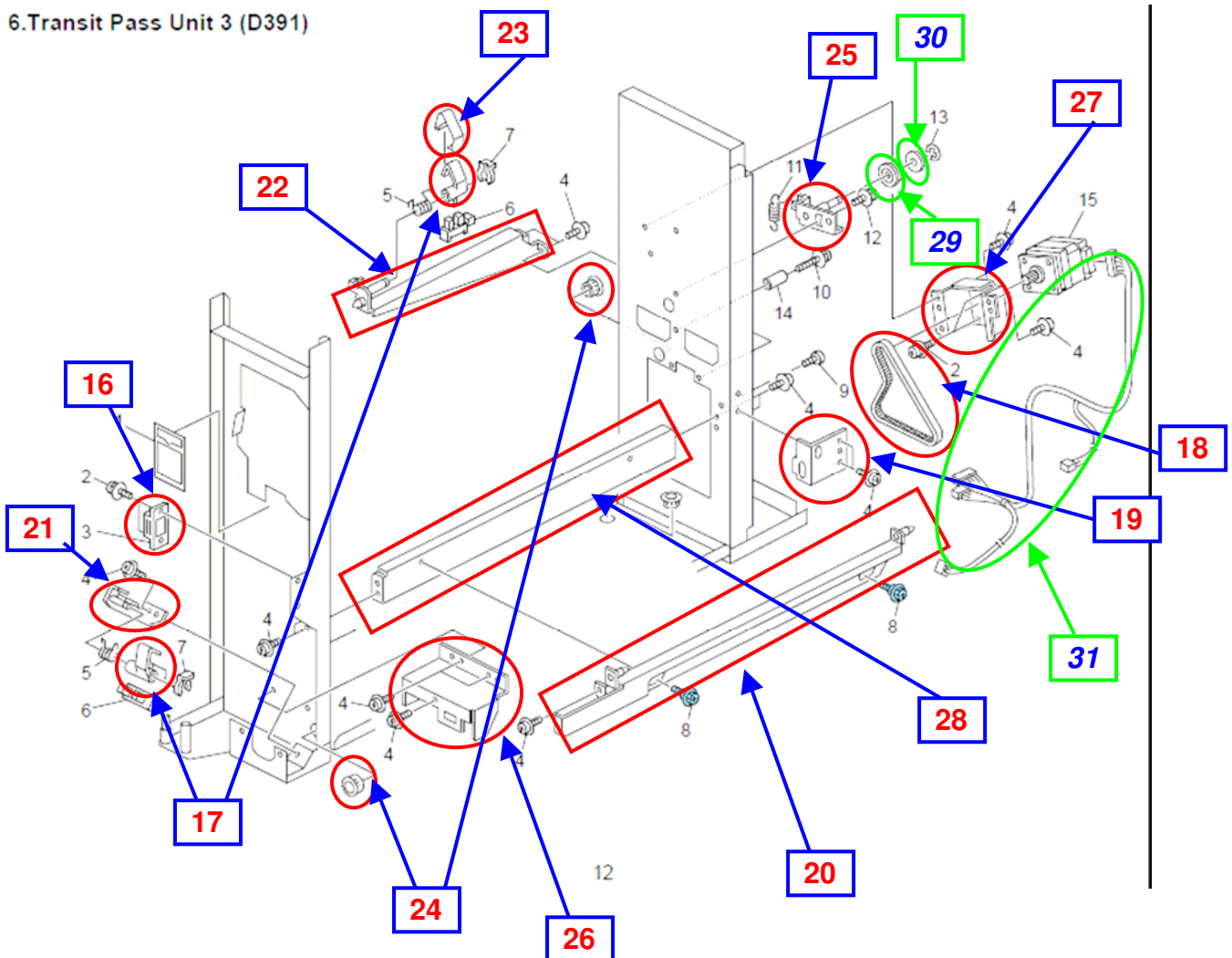
Reissued: 03-Mar-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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6.Transit Pass Unit 3 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
B6601111	Magnet Catch:13N:PF2214P393A	1	-	12	16	Add
D3911328	Lever:Sensor:PF4140P614B2	2	-	12	17	Add
D3914525	Synchronous Belt:NS-BLT00452A	1	-	12	18	Add
B6601436	Bracket:Ground Plate:PF4147P139A	1	-	12	19	Add
B6601212	Lever:Coupling:PF4147P197A	1	-	12	20	Add
D3914537	Bracket:Sensor:PF4140K059:PEEN	1	-	12	21	Add
D3914538	Bracket:Sensor:Release:PF4165K608	1	-	12	22	Add
D3914539	Spring Plate: Sensor: Release: PF4140P714	1	-	12	23	Add
D3914540	Timing Pulley:E450001234	2	-	12	24	Add
D3914541	Bracket:Tightener:PF4165K606	1	-	12	25	Add
D3914542	Cover:Sensor:Release:PF4165Q619	1	-	12	26	Add
D3914545	Bracket:Dc Stepper Motor: PF4140P629	1	-	12	27	Add
D3914547	Stay:Right:PF4165Q603	1	-	12	28	Add
D3914543	ROLLER:SYNCHRONOUS BELT: PR5100P216	1	-	12	29	Add
D3914544	FLANGE:ROLLER:PF4099P950	1	-	12	30	Add
D3914546	HARNESS:JOINT UNIT:PF4165K906	1	-	12	31	Add

6.Transit Pass Unit 3 (D391)



Reissued: 03-Mar-10

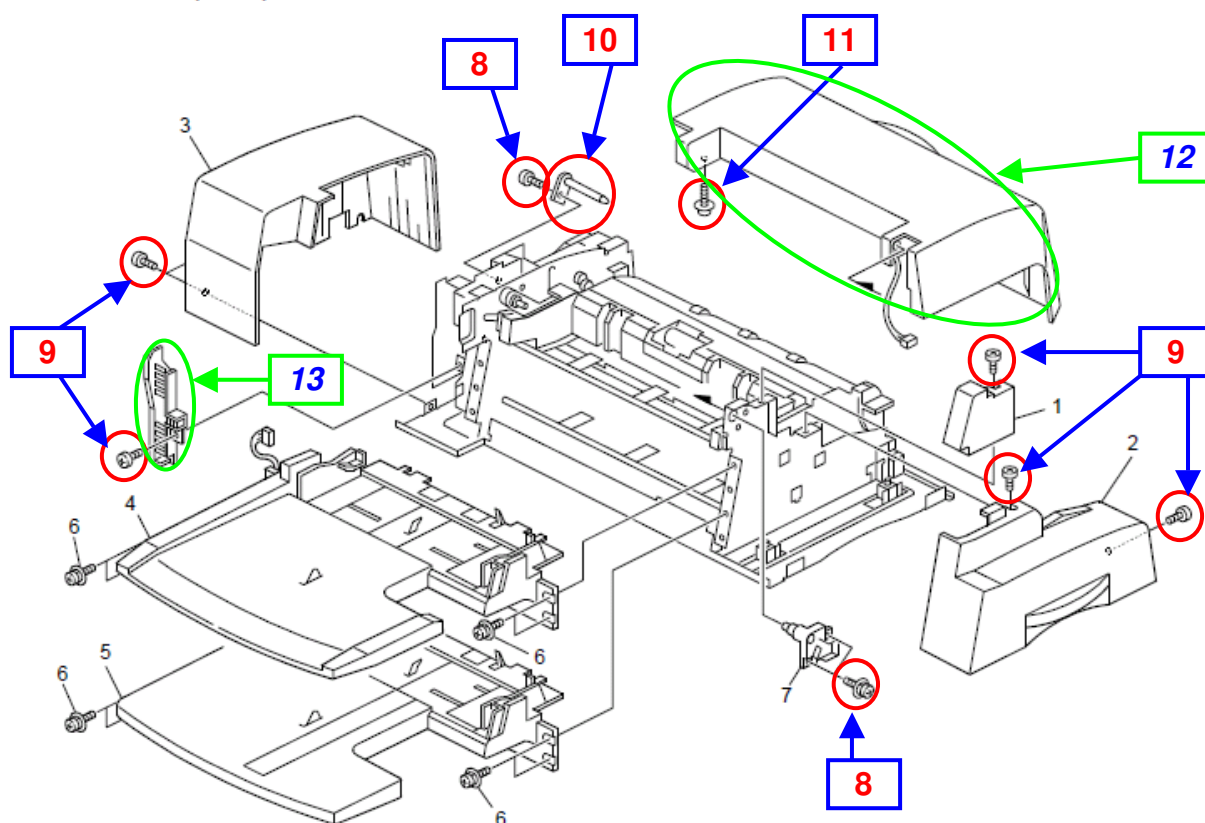
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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7.Inserter Section 1 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911116	Screw With Washer: M3X6:030060FWWS	3	-	14	8	Add
B6604835	Screw: NS-SCR00045A	5	-	14	9	Add
D3914114	Stopper: Open And Close: Cover: PF3091K015: PEEN	1	-	14	10	Add
D3914116	Tapping Screw: M3X8:030080FWTP	1	-	14	11	Add
D3914115	COVER: UPPER: PF3099P004	1	-	14	12	Add
D3914113	DUCT: UPPER: PF3091P095	1	-	14	13	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914030	Cover: Front: Sub: PF3091P002A	Cover: Front: Sub: PF3099P002	1	-	14	1
D3914029	Cover: Front: PF3091P001A	Cover: Front: PF3099P001	1	-	14	2
D3914031	Cover: Rear: PF3091P003A	Cover: Rear: PF3099P003	1	-	14	3
D3914026	Tray Unit: Upper: PF3091K152A: Ass'y	Tray Unit: Upper: PF3099K152: Ass'y	1	-	14	4
D3914025	Tray Unit: Lower: PF3091K144A: Ass'y	Tray Unit: Lower: PF3099K144: Ass'y	1	-	14	5

7.Inserter Section 1 (D391)



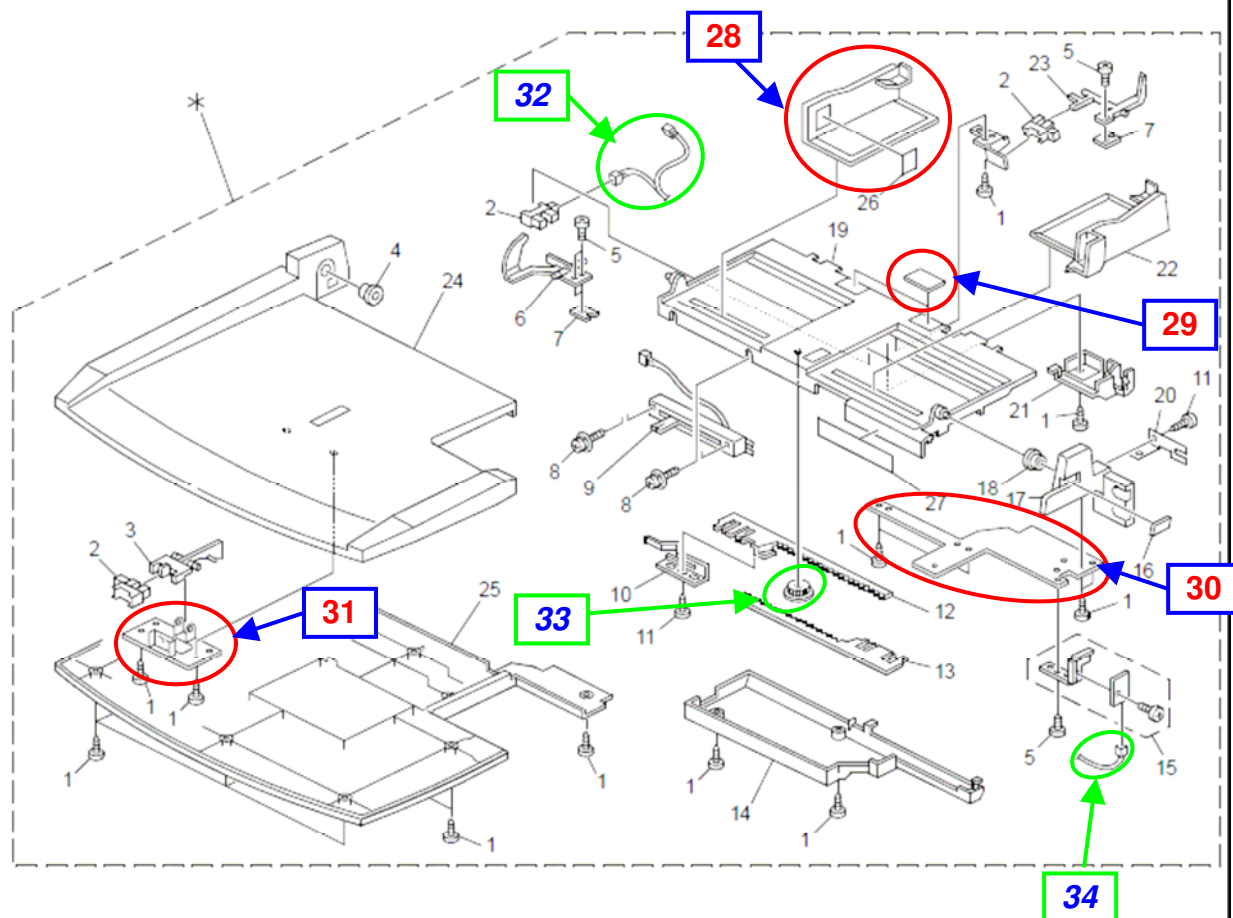
Reissued: 03-Mar-10

Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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8.Inserter Section 2 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914118	Side Fence:Tray:Upper:PF3099P023	1	-	16	28	Add
D3914119	Friction Pad:Pickup:PF3091P327	1	-	16	29	Add
D3914121	Frame:Tray:PF3091P120	1	-	16	30	Add
D3914125	Holder:Sensor:PF3091P045	1	-	16	31	Add
D3914117	<i>HARNESS:TRAY:UPPER:PF3099K911</i>	1	-	16	32	Add
D3914124	<i>GEAR:PINION:TRAY:PF3091P053</i>	1	-	16	33	Add
D3914122	<i>HARNESS: DESIGN SKETCH: LED: PF3091K320</i>	1	-	16	34	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914026	Tray Unit: Upper: PF3091K152A:Ass'y	Tray Unit: Upper: PF3099K152:Ass'y	1	-	16	*
D3914061	Lever:PF3091P046A	Lever:PF3099P046	1	-	16	3
D3914063	Lever:PF3091P048A	Lever:PF3099P048	1	-	16	6
D3914046	Cover:Tray:Upper Lower: PF3091P021A	Cover:Tray:Upper Lower: PF3099P021	1	-	16	14
D3914044	Tray:Base:Sub:PF3091P015A	Tray:Base:Sub:PF3099P015	1	-	16	17
D3914021	Tray:Upper Lower:Bin: Upper: PF3091K102A	Tray:Upper Lower:Bin:Upper: PF3099K102	1	-	16	19
D3914047	Guide:Tray:Upper:Front: PF3091P022A	Guide:Tray:Upper:Front: PF3099P022	1	-	16	22

8.Inserter Section 2 (D391)


Reissued: 03-Mar-10

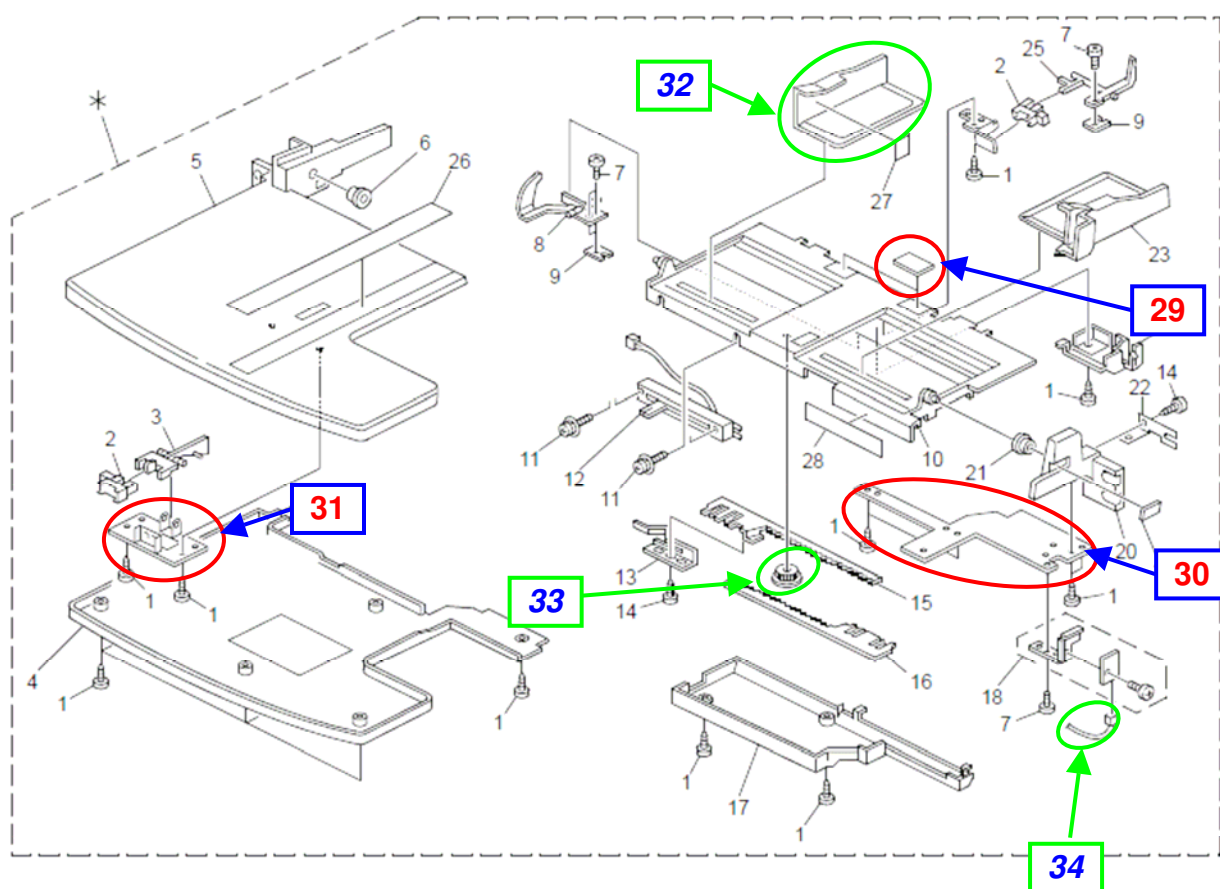
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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9.Inserter Section 3 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914119	Friction Pad:Pickup:PF3091P327	1	-	18	29	Add
D3914121	Frame:Tray:PF3091P120	1	-	18	30	Add
D3914125	Holder:Sensor:PF3091P045	1	-	18	31	Add
D3914126	SIDE FENCE:TRAY:LOWER:PF3099P025	1	-	18	32	Add
D3914124	GEAR:PINION:TRAY:PF3091P053	1	-	18	33	Add
D3914130	HARNESS:BIN DISPLAY:PF3091K326	1	-	18	34	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914025	Tray Unit: Lower: PF3091K144A:Ass'y	Tray Unit: Lower: PF3099K144:Ass'y	1	-	18	*
D3914045	Cover:Tray:Lower: PF3091P017A	Cover:Tray:Lower: PF3099P017	1	-	18	4
D3914033	Base:Tray:Lower:PF3091P014A	Base:Tray:Lower: PF3099P014	1	-	18	5
D3914063	Lever:PF3091P048A	Lever:PF3099P048	1	-	18	8
D3914044	Tray:Base:Sub:PF3091P015A	Tray:Base:Sub:PF3099P015	1	-	18	20
D3914048	Guide:Tray:Lower:Front: PF3091P024A	Guide:Tray:Lower:Front: PF3099P024	1	-	18	23
D3914022	TRAY:UPPER LOWER: BIN: LOWER: PF3091K103A	TRAY:UPPER LOWER: BIN: LOWER: PF3099K103A	1	-	18	10

9.Inserter Section 3 (D391)



Reissued: 03-Mar-10

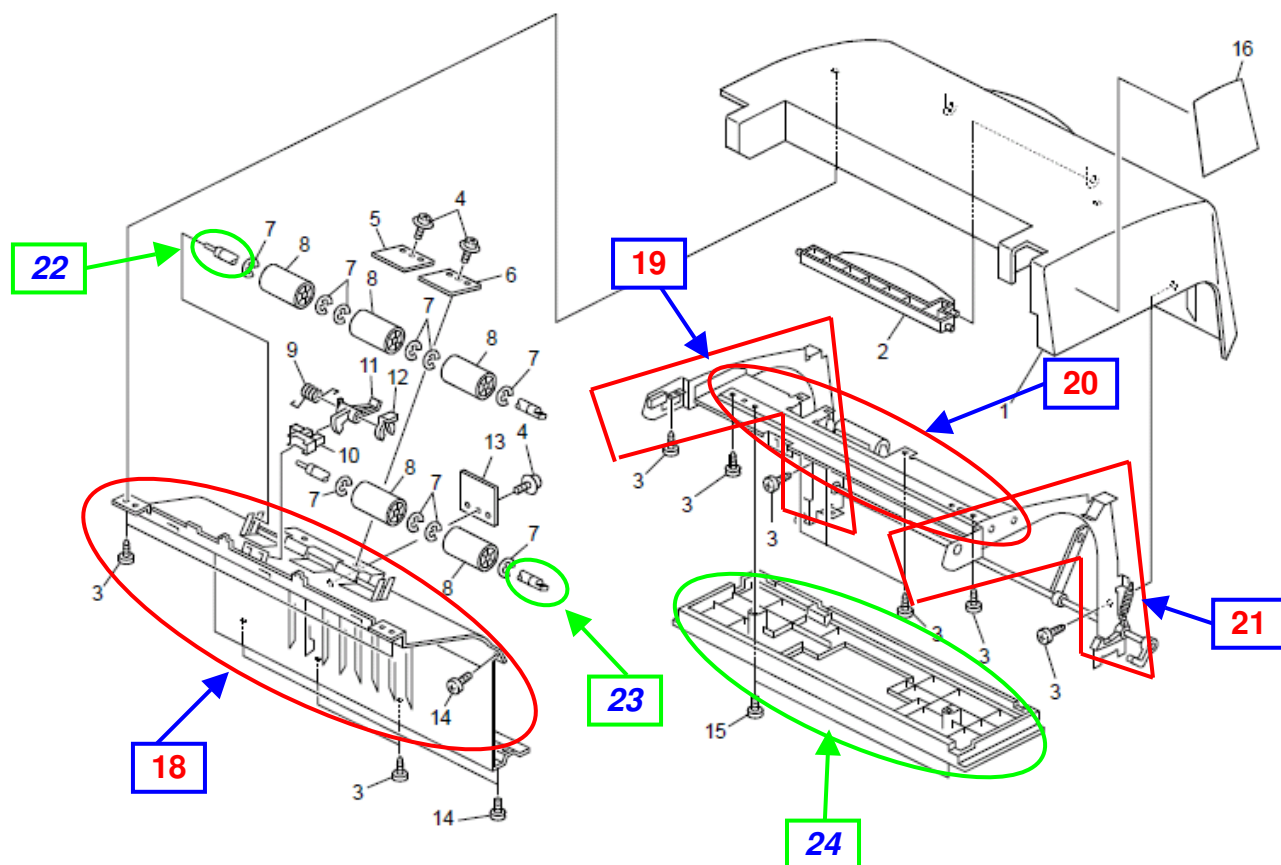
Model: Pefect Binder GB5000	Date: 13-Nov-09	No.: RD391016b
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10.Inserter Section 4 (D391)

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3914136	Guide:Bin:Upper:PF3091P111	1	-	20	18	Add
D3914137	Side Plate:Cover:Rear:PF3091P109	1	-	20	19	Add
D3914138	Stay:Cover:Upper:PF3091P110	1	-	20	20	Add
D3914139	Side Plate:Cover:Front:PF3091P108	1	-	20	21	Add
D3914134	SHAFT:REGISTRATION ROLLER:PF3091P213	1	-	20	22	Add
D3914135	SHAFT:TRANSPORT ROLLER:PF3091P214	1	-	20	23	Add
D3914140	GUIDE:PICKUP:PF3091P007	1	-	20	24	Add

Part Number	Incorrect Description	Correct Description	Q'ty	Int	Page	Index
D3914032	Cover:Upper:PF3091P004A	Cover:Upper:PF3099P004	1	-	20	1
D3914052	Lever:Open And Close:Cover:Upper: PF3091P029A	Lever:Open And Close:Cover:Upper: PF3099P029	1	-	20	2

10.Inserter Section 4 (D391)



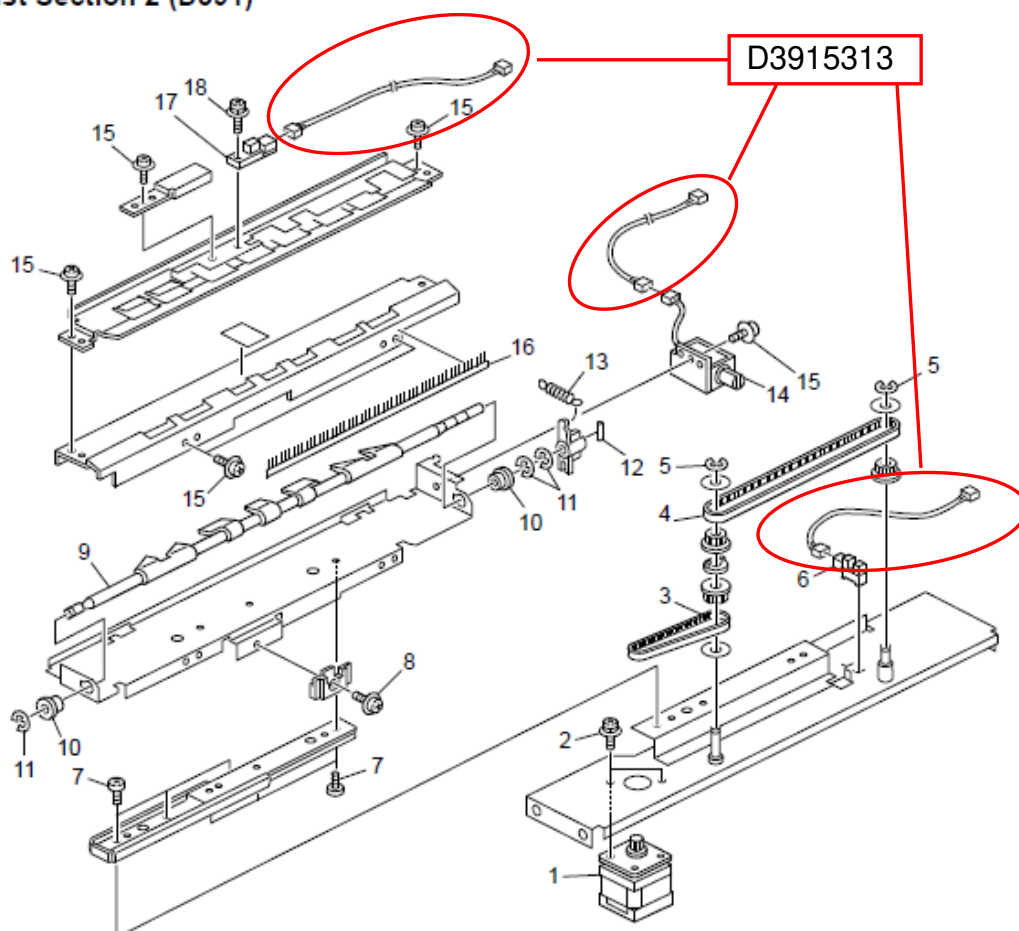
Model: Perfect Binder GB5000		Date: 11-Mar-10	No.: RD391026
Subject: Added Part Number in Parts Catalog		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce a new service part number.

Part number "D3915313" has been registered as an assembly for the 3 harnesses shown below in the Cover Feed Registration section.

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3915313	HARNESS:REGISTRATION:PF4140K681:ASS'Y	1	-	112	19	Add

56.Cover Feed Regist Section 2 (D391)

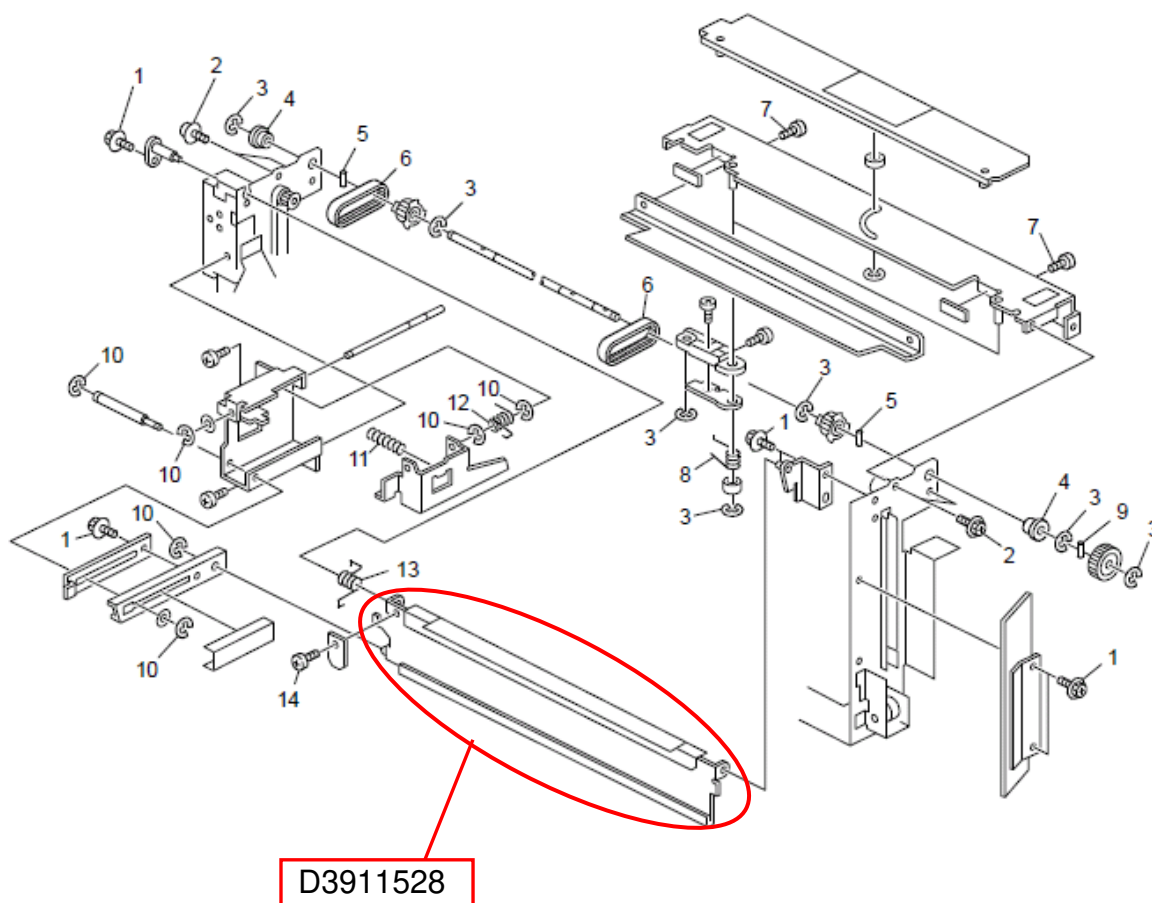


Model: Perfect Binder GB5000		Date: 12-Mar-10	No.: RD391027
Subject: Added Part Number in Parts Catalog		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce a newly registered service part in the Book Stacking section.

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911528	SEPARATION PLATE: EXHAUST: PF4164L852	1	-	178	15	Add

89.Book Stacking Section 3 (D391)

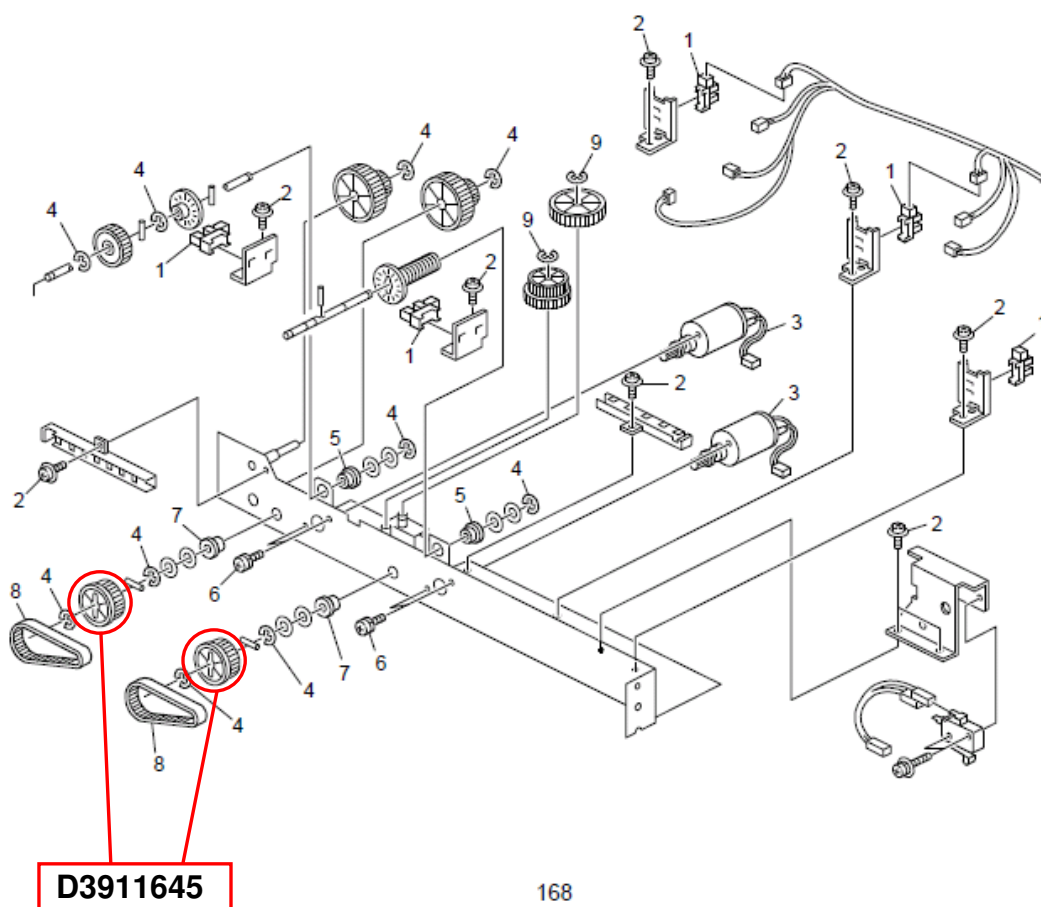


Model: Perfect Binder GB5000		Date: 15-Mar-10	No.: RD391028
Subject: Added Part Number in Parts Catalog		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce a newly registered service part in the Waste Paper Case section.

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911645	TIMING PULLEY:T40:PF4140Q402	2	-		10	Add

84.Waste Paper Case Section 2 (D391)

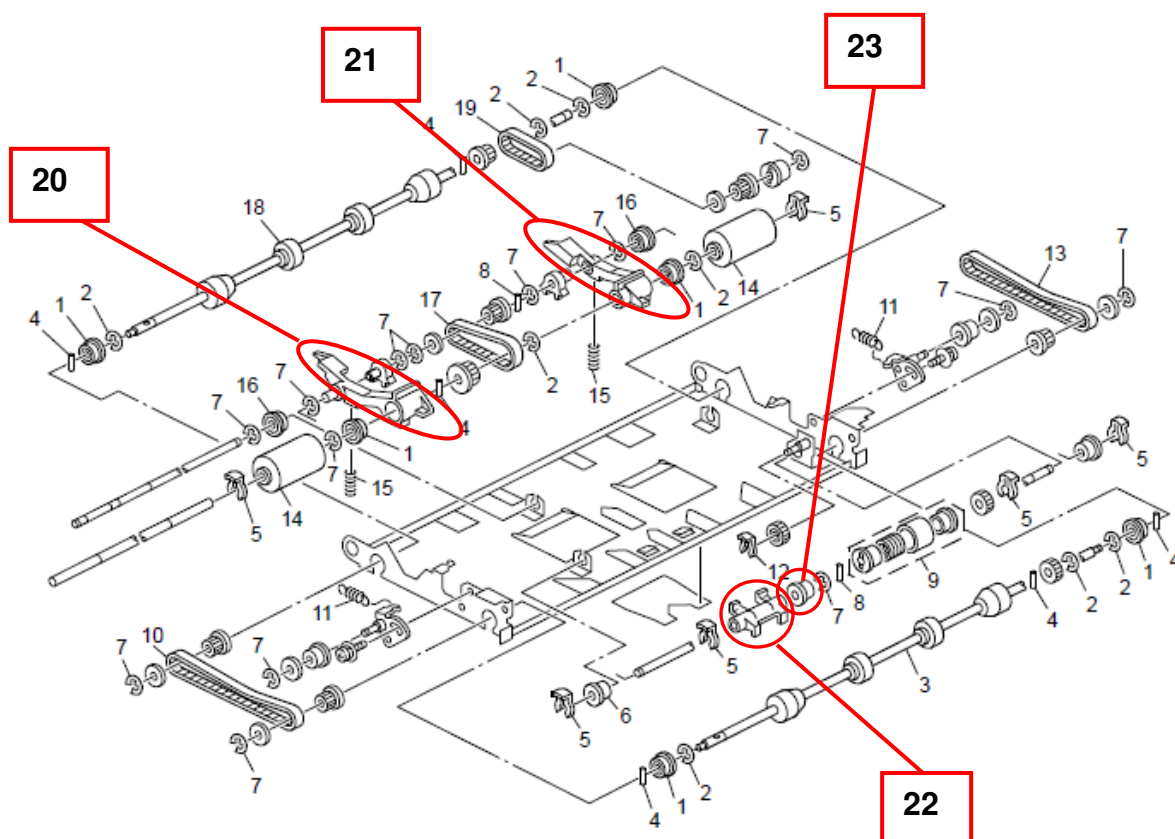


Model: Perfect Binder GB5000		Date: 26-Apr-10	No.: RD391029
Subject: Added Part Number in Parts Catalogue		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This bulletin has been issued to announce the newly registered service parts as follows.

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911649	ARM:ROLLER:INNER BACK:PF4140P690	1	-	127	20	Add
D3911650	ARM:ROLLER:FRONT:PF4140P691	1	-	127	21	Add
D3911652	ARM:OPEN AND CLOSE:PF4140P693	1	-	127	22	Add
D3911653	ROLLER BEARING:PF4051P347	1	-	127	23	Add

63.Cover Feed Path Section 7 (D391)



Reissued: 31-May-10

Model: Perfect Binder GB5000	Date: 20-Jun-08	No.: RD391001d
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: Firmware Release Note: P-Binder_B1		Prepared by: K. Tsutsui	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B1**.

Version	Program No.	Effective Date
<i>0.320:11</i>	<i>D3915020E</i>	<i>June 2010 production</i>
0.310:11	D3915020D	October 2009 production
0.280:11	D3915020C	September 2009 production
0.23:08	D3915020B	Dec 2008 production
0.20	D3915020A	1st Mass production
1.19		

Version	Modified Points or Symptom Corrected
<i>0.320:11</i>	<i>Specification changes</i> - <i>This modified F/W will add a new line speed to apply to a new mainframe.</i>
0.310:11	Symptom Corrected: - Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.
0.280:11	Symptoms Corrected: 1. Machine stalls when jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer. 2. SC797-36 occurs when making a booklet using 19.2 inch size cover. Note: When applying this firmware, ensure the other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware. P-Binder_B1:D3915020C:Ver0.28 P-Binder_B2:D3915070B:Ver0.19 P-Binder_B3:D3915730A:Ver0.13 P-Binder_B4:D3915120B:Ver0.15 P-Binder_B5:D3915170A:Ver0.25
0.23:08	Note : Where this firmware is to be used, ensure other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware.

Reissued: 31-May-10

Model: Perfect Binder GB5000	Date: 20-Jun-08	No.: RD391001d
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Version	Modified Points or Symptom Corrected
	<p>P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19 P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none">• The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged.• When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.
0.20 1.19	1st Mass production

Reissued: 31-May-10

Model: Perfect Binder GB5000	Date: 20-Jun-08	No.: RD391004b
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: Firmware Release Note: P-Binder_B4		Prepared by: K. Tsutsui	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required		
	<input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision		
	<input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information		
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B4**.

Version	Program No.	Effective Date
<i>0.160:00</i>	<i>D3915120C</i>	<i>June 2010 production</i>
0.150:00	D3915120B	September 2009 production
1.19	D3915120A	1st Mass production

Version	Modified Points or Symptom Corrected
<i>0.160:00</i>	<p><i>Symptoms Corrected:</i></p> <ol style="list-style-type: none"> <i>Contamination on the cover sheet</i> While creating the paper bundle, the rotating signature exit rollers could cause contamination on the booklet cover. Therefore, this modified F/W will stop the rotation of the signature exit rollers during that time. <i>Trimmings falling into the book buffer tray</i> If the trimmings disposal box is opened during the cut, the location of the box could be dislocated and cause the trimmings to fall onto the book buffer tray. Therefore, this modified F/W will constantly check the location of the disposal box. <p><i>IMPORTANT</i></p> <p>- <i>This P-Binder_B4:D3915120C:Ver0.160:00 must be simultaneously updated with P-Binder_B5:D3915170C:Ver0.28:00.</i></p>
0.150:00	<p>Symptoms Corrected:</p> <ol style="list-style-type: none"> Machine stalls when jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer. SC797-36 occurs when making a booklet using 19.2 inch size cover. <p>Note :</p> <p>When applying this firmware, ensure the other firmware versions are as below (or newer).</p> <p>If firmware versions are not as indicated below, please update firmware.</p>

Reissued: 31-May-10

Model: Perfect Binder GB5000		Date: 20-Jun-08	No.: RD391004b
Version	Modified Points or Symptom Corrected		
	P-Binder_B1 :D3915020C :Ver0.28 P-Binder_B2 :D3915070B :Ver0.19 P-Binder_B3 :D3915730A :Ver0.13 P-Binder_B4 :D3915120B :Ver0.15 P-Binder_B5 :D3915170A :Ver0.25		
1.19	1st Mass production		

Reissued: 31-May-10

Model: Perfect Binder GB5000	Date: 20-Jun-08	No.: RD391005b
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: Firmware Release Note: P-Binder_B5		Prepared by: K. Tsutsui	
From: PPBG QA/Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B5**.

Version	Program No.	Effective Date
<i>0.28:00</i>	<i>D3915170C</i>	<i>June 2010 production</i>
0.260:00	D3915170B	October 2009 production
1.19	D3915170A	1st Mass production

Version	Modified Points or Symptom Corrected
<i>0.28:00</i>	<p><i>Symptoms Corrected:</i></p> <ol style="list-style-type: none"> <i>Contamination on the cover sheet</i> While creating the paper bundle, the rotating signature exit rollers could cause contamination on the booklet cover. Therefore, this modified F/W will stop the rotation of the signature exit rollers during that time. <i>Trimmings falling into the book buffer tray</i> If the trimmings disposal box is opened during the cut, the location of the box could be dislocated and cause the trimmings to fall onto the book buffer tray. Therefore, this modified F/W will constantly check the location of the disposal box. <p><i>IMPORTANT</i></p> <ul style="list-style-type: none"> <i>This P-Binder_B5:D3915170C:Ver0.28:00 must be simultaneously updated with P-Binder_B4:D3915120C:Ver0.160:00</i>
0.260:00	Symptom Corrected: <ul style="list-style-type: none"> Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.
1.19	1st Mass production

Model: Perfect Binder GB5000		Date: 28-Jun-2010	No.: RD391030
Subject: Added Part Numbers in the Parts Catalog		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce the newly registered service part numbers.

Please apply the corrections to your parts catalog.

NOTE: Parts described as "Indexed" in the column "Note" indicate parts that had already been registered with a service p/n but missing the index numbers.

11. Inserter Section 5

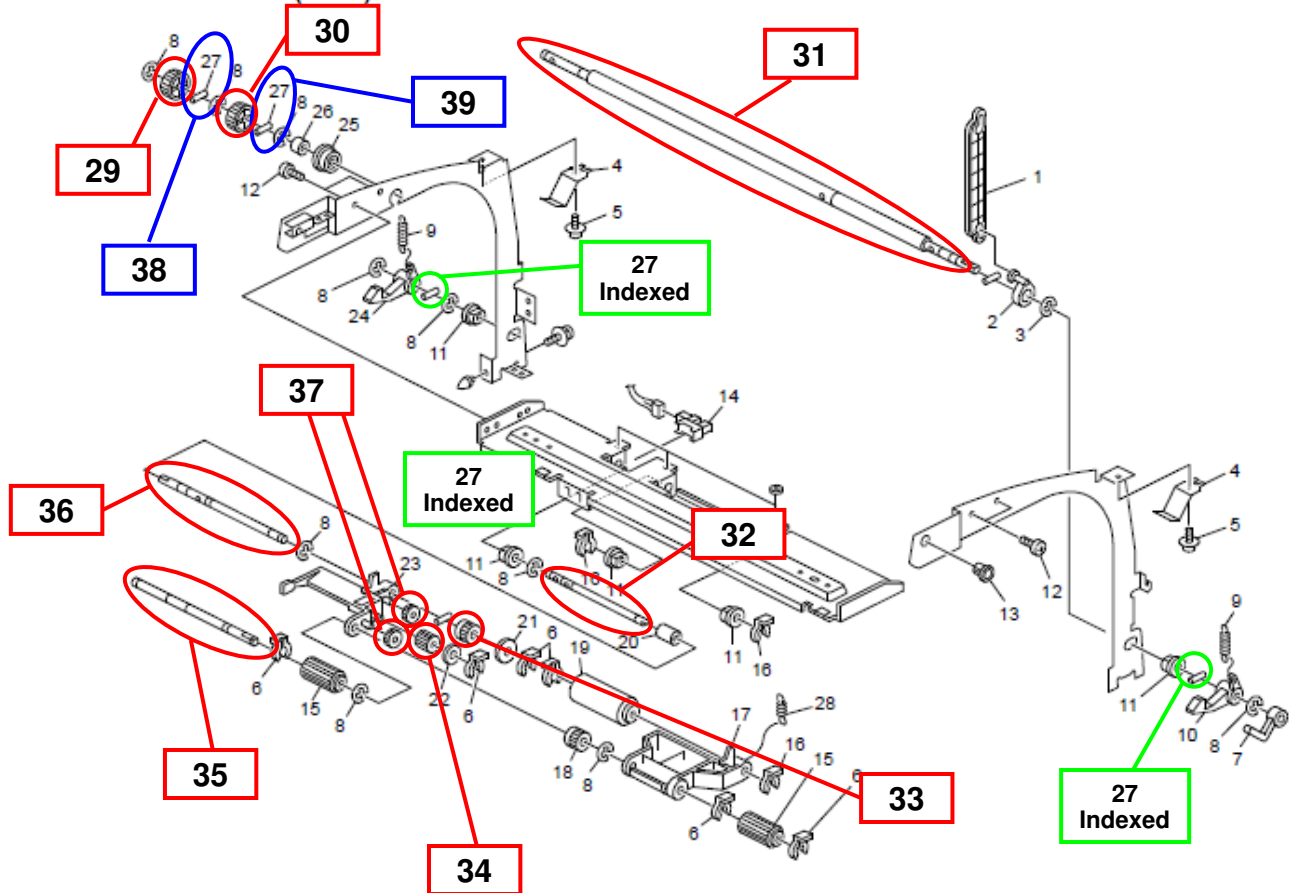
New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911589	GEAR:Z26:PF4051P025	1	-	23	29	Add
D3911532	TIMING PULLEY:Z18XS3M:PF4051P056	1	-	23	30	Add
D3911590	SHAFT:LOCK:COVER:PF3091P209	1	-	23	31	Add
D3911591	SHAFT:COUPLING:FEED ROLLER:PF3091P204	1	-	23	32	Add
D3911592	GEAR:Z22:PF3091P056	1	-	23	33	Add
D3911593	GEAR:Z18:PF3091P099	1	-	23	34	Add
D3911594	SHAFT:PICKUP ROLLER:PF3091P206	1	-	23	35	Add
D3911595	SHAFT:FEED ROLLER:PF3091P203	1	-	23	36	Add
D3911596	GEAR:Z18:PF3091P054	2	-	23	37	Add
<i>D3911154</i>	<i>PARALLEL PIN:2X10:HP020100SCH</i>	<i>1 → 3</i>	-	<i>23</i>	<i>27</i>	<i>Indexed</i>

The following two pins were both falsely indicated as "D3911154" with Index Number "27".

Please refer to the table below for their correct part numbers and new Index Numbers.

Part Number	Description	Q'ty	Int	Page	Index	Note
D3911154 → D391155	PARALLEL PIN:2X14:HP020140SCH	2 → 1	-	23	27 → 38	Correction
D3911154 → B6604715	PARALLEL PIN:HP020120SCH	2 → 1	-	23	27 → 39	Correction

11. Inserter Section 5 (D391)



Model: Perfect Binder GB5000

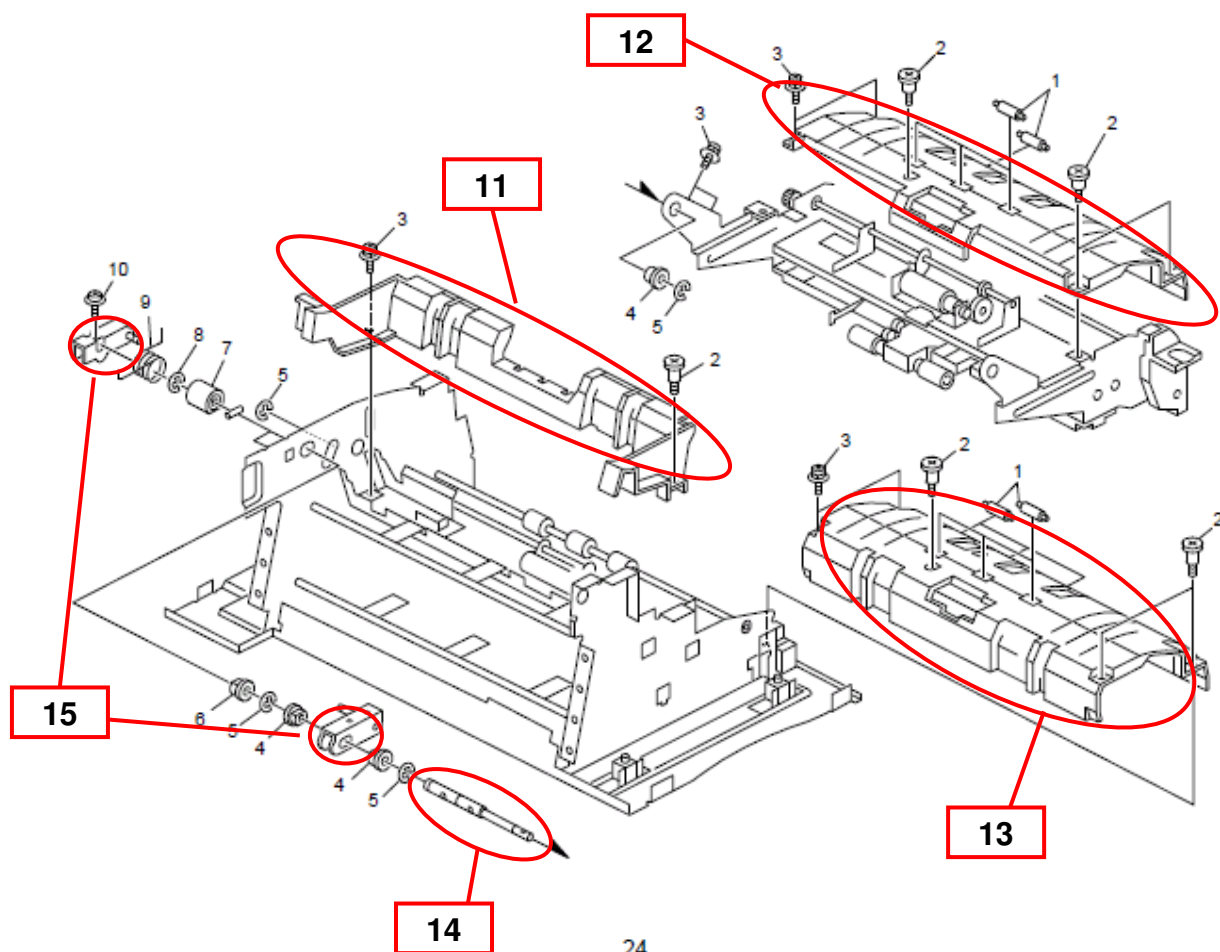
Date: 28-Jun-2010

No.: RD391030

12. Inserter Section 6

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911597	GUIDE:BIN:UPPER:PF3099P009	1	-	25	11	Add
D3911598	GUIDE:INNER:BIN:UPPER:PF3099K100	1	-	25	12	Add
D3911599	GUIDE:INNER:BIN:PF3099K101	1	-	25	13	Add
D3911600	SHAFT:COUPLING:PF3091P211	1	-	25	14	Add
D3911601	BRACKET:AUXILIARY:COVER:PF3091K013	2	-	25	15	Add

12.Inserter Section 6 (D391)



Model: Perfect Binder GB5000

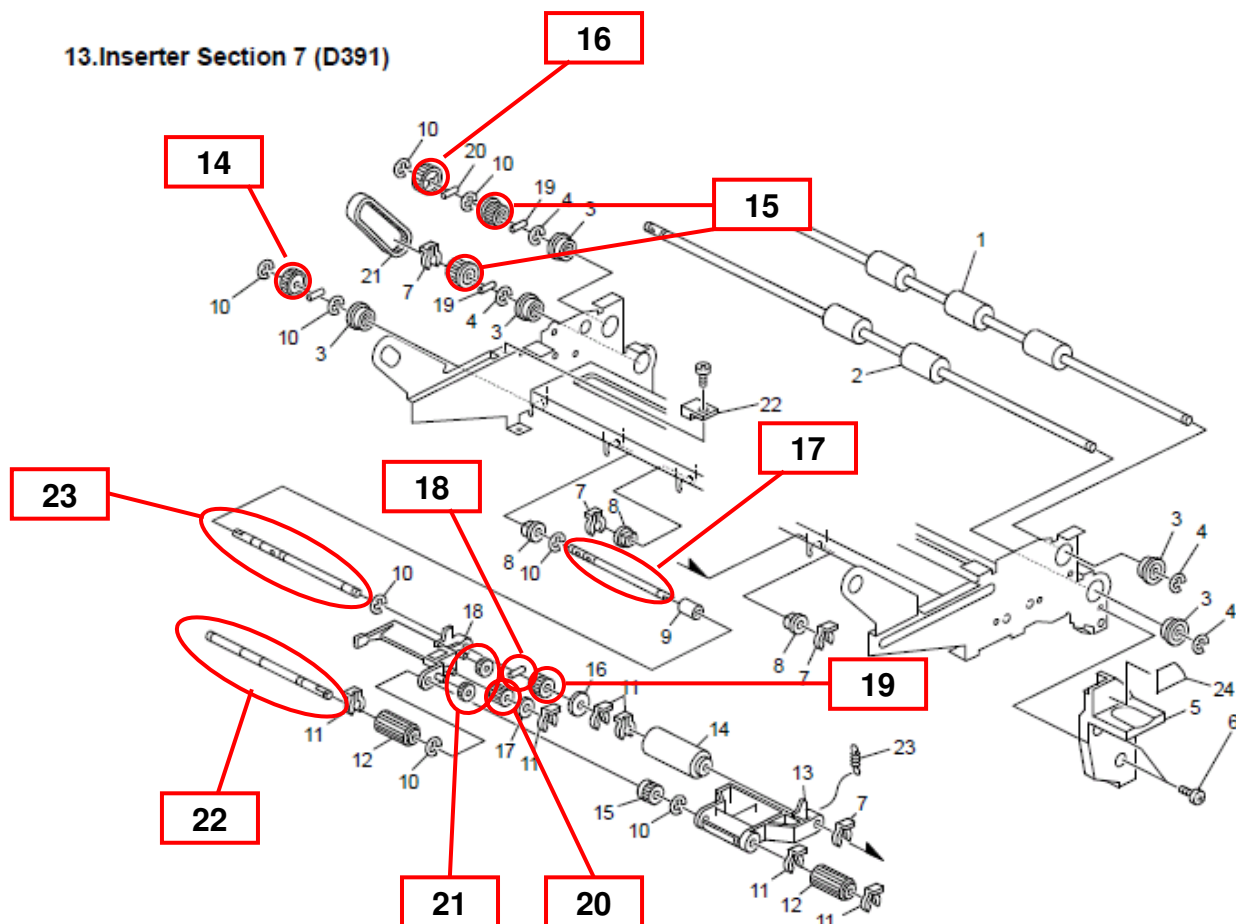
Date: 28-Jun-2010

No.: RD391030

13. Inserter Section 7

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911602	GEAR:Z20:PF3091P405	1	-	27	14	Add
D3911532	TIMING PULLEY:Z18XS3M:PF4051P056	2	-	27	15	Add
D3911589	GEAR:Z26:PF4051P025	1	-	27	16	Add
D3911591	SHAFT:COUPLING:FEED ROLLER: PF3091P204	1	-	27	17	Add
D3911154	PARALLEL PIN:2X10:HP020100SCH	1	-	27	18	Indexed
D3911592	GEAR:Z22:PF3091P056	1	-	27	19	Add
D3911593	GEAR:Z18:PF3091P099	1	-	27	20	Add
D3911596	GEAR:Z18:PF3091P054	2	-	27	21	Add
D3911594	SHAFT:PICKUP ROLLER:PF3091P206	1	-	27	22	Add
D3911595	SHAFT:FEED ROLLER:PF3091P203	1	-	27	23	Add

13.Inserter Section 7 (D391)



Model: Perfect Binder GB5000

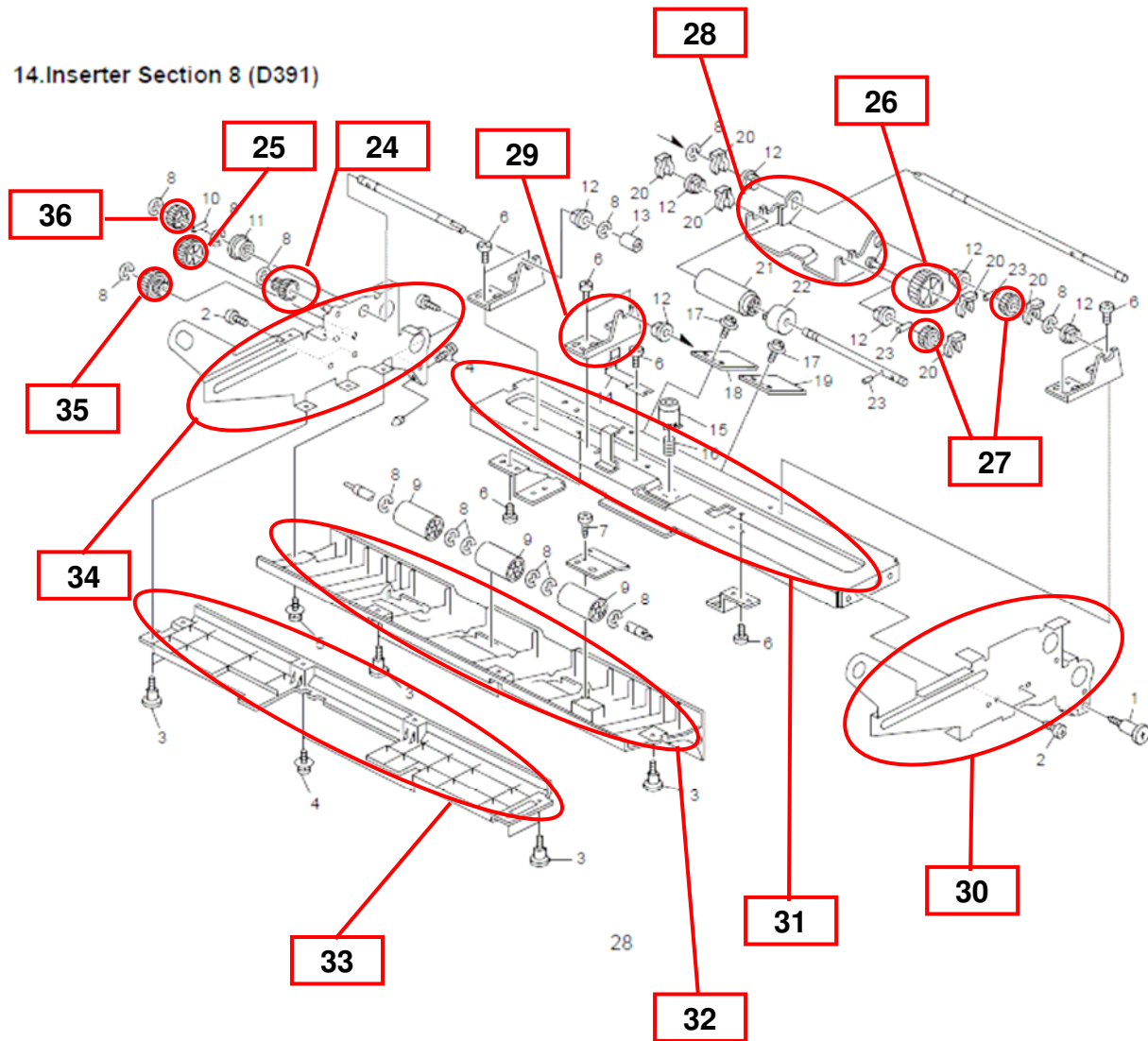
Date: 28-Jun-2010

No.: RD391030

14. Inserter Section 8

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911603	GEAR:Z20/Z14:PF3091P063	1	-	29	24	Add
D3911604	GEAR:Z28:PF3091P065	1	-	29	25	Add
D3911605	GEAR:Z49:PF3091P098	1	-	29	26	Add
D3911596	GEAR:Z18:PF3091P054	2	-	29	27	Add
D3911606	BRACKET:SUPPORT:ROLLER:PF3091K104	1	-	29	28	Add
D3911607	GUIDE PLATE:SHAFT:SEPARATION: PF3091P183	1	-	29	29	Add
D3911608	SIDE PLATE:FRONT:PF3091P105	1	-	29	30	Add
D3911609	STAY:MAIN:PF3091P107	1	-	29	31	Add
D3911610	GUIDE:BIN:PF3099K105	1	-	29	32	Add
D3911611	GUIDE:PICKUP:BIN:LOWER:PF3091K175	1	-	29	33	Add
D3911612	SIDE PLATE:REAR:PF3091K003	1	-	29	34	Add
D3911602	GEAR:Z20:PF3091P405	1	-	29	35	Add
D3911613	GEAR:Z28/14:PF3091P062	1	-	29	36	Add

14. Inserter Section 8 (D391)



Model: Perfect Binder GB5000

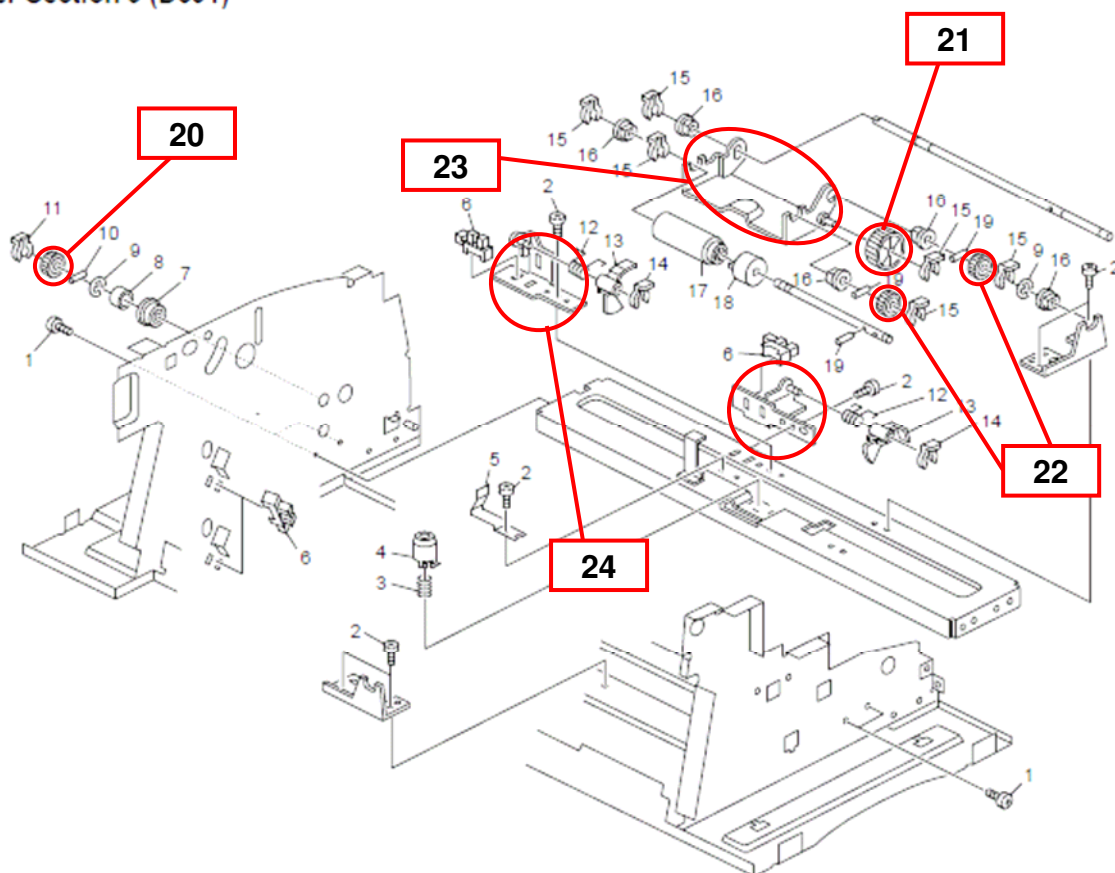
Date: 28-Jun-2010

No.: RD391030

15. Inserter Section 9

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911602	GEAR:Z20:PF3091P405	1	-	31	20	Add
D3911605	GEAR:Z49:PF3091P098	1	-	31	21	Add
D3911596	GEAR:Z18:PF3091P054	2	-	31	22	Add
D3911606	BRACKET:SUPPORT:ROLLER:PF3091K104	1	-	31	23	Add
D3911614	BRACKET:REGISTRATION SENSOR: PF3091K008	1	-	31	24	Add

15.Inserter Section 9 (D391)



Model: Perfect Binder GB5000

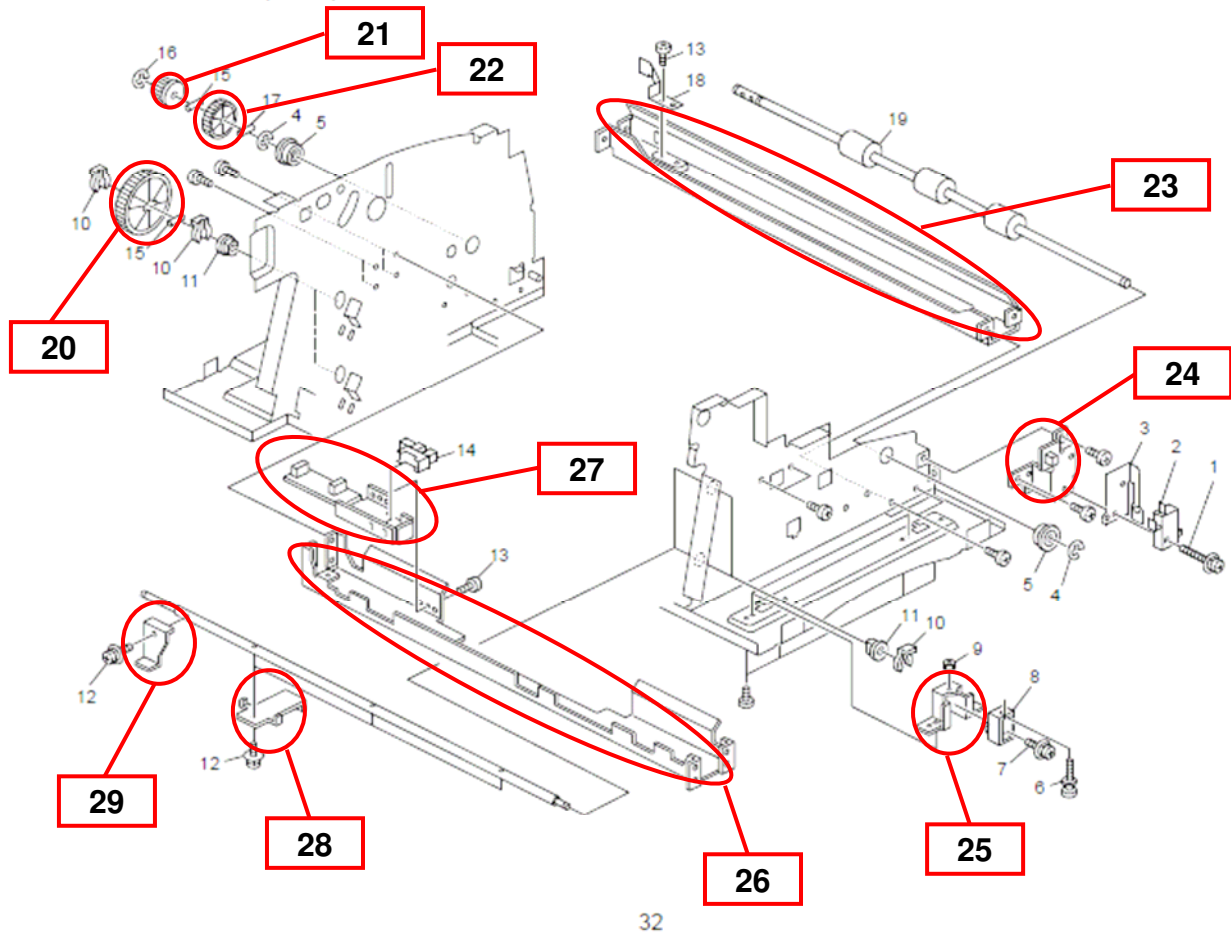
Date: 28-Jun-2010

No.: RD391030

16. Inserter Section 10

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911615	GEAR:Z74:PF3091P089	1	-	33	20	Add
D3911532	TIMING PULLEY:Z18XS3M:PF4051P056	1	-	33	21	Add
D3911616	GEAR:Z35:PF3091P088	1	-	33	22	Add
D3911617	GUIDE:EXIT:PF3091P115	1	-	33	23	Add
D3911618	BRACKET:SENSOR:ON OFF DETECTOR: PF3091P146	1	-	33	24	Add
D3911619	BRACKET:ADJUSTING PIN:PF3091P134	1	-	33	25	Add
D3911620	FRAME:BIN:LOWER:PF3091K018	1	-	33	26	Add
D3911621	BRACKET:SENSOR:BIN:LOWER: PF3091P144	1	-	33	27	Add
D3911622	BRACKET:RISE:PF3091P137	1	-	33	28	Add
D3911623	BRACKET:SENSOR:PF3091P141	1	-	33	29	Add

16. Inserter Section 10 (D391)



Model: Perfect Binder GB5000

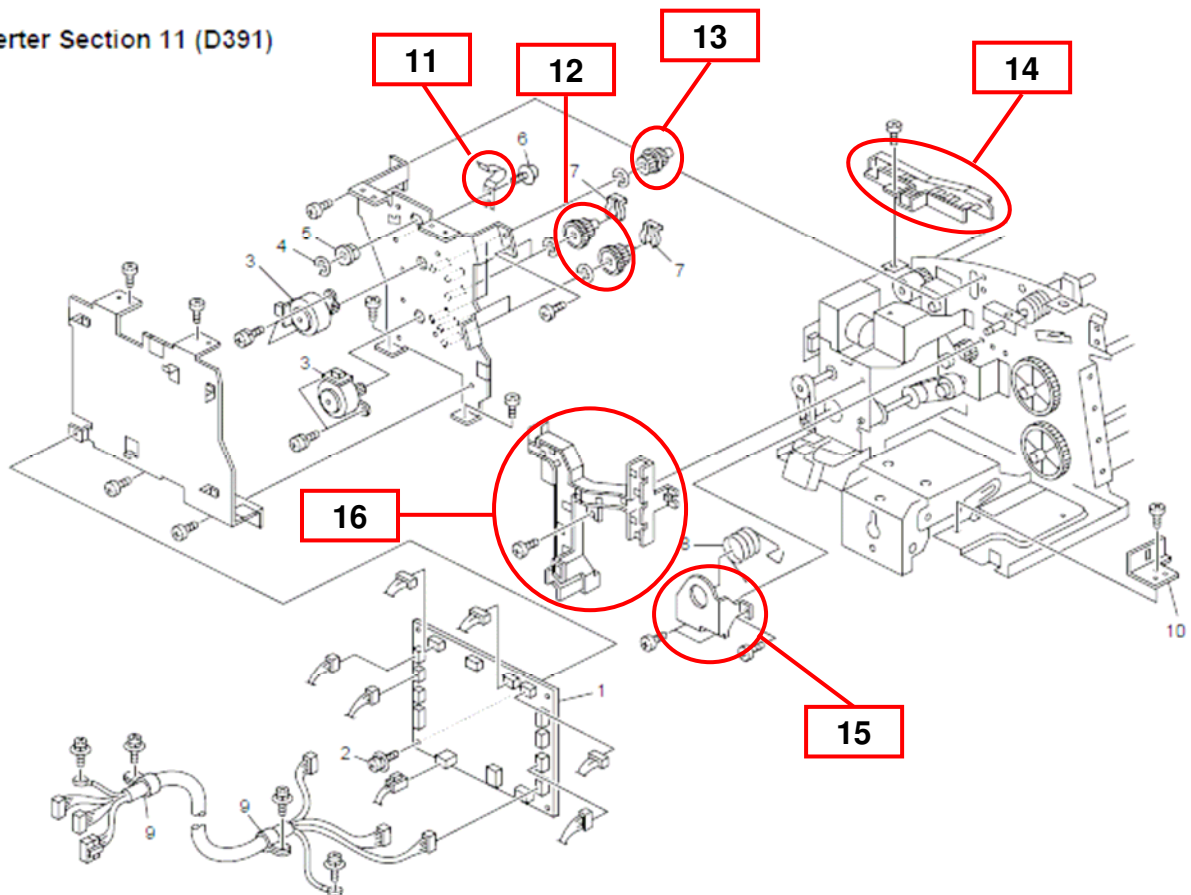
Date: 28-Jun-2010

No.: RD391030

17. Inserter Section 11

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911624	SPRING PLATE:LOCK:PF2214P455	1	-	35	11	Add
D3911625	GEAR:Z16/Z28:PF4090P241	2	-	35	12	Add
D3911626	GEAR:Z28/Z16:PF3091P086	1	-	35	13	Add
D3911627	DUCT:UPPER:PF3091P095	1	-	35	14	Add
D3911628	HOLDER:COIL SPRING:AUXILIARY: PF3091P176	1	-	35	15	Add
D3911629	DUCT:MAIN:PF3091P094	1	-	35	16	Add

17.Inserter Section 11 (D391)



Model: Perfect Binder GB5000

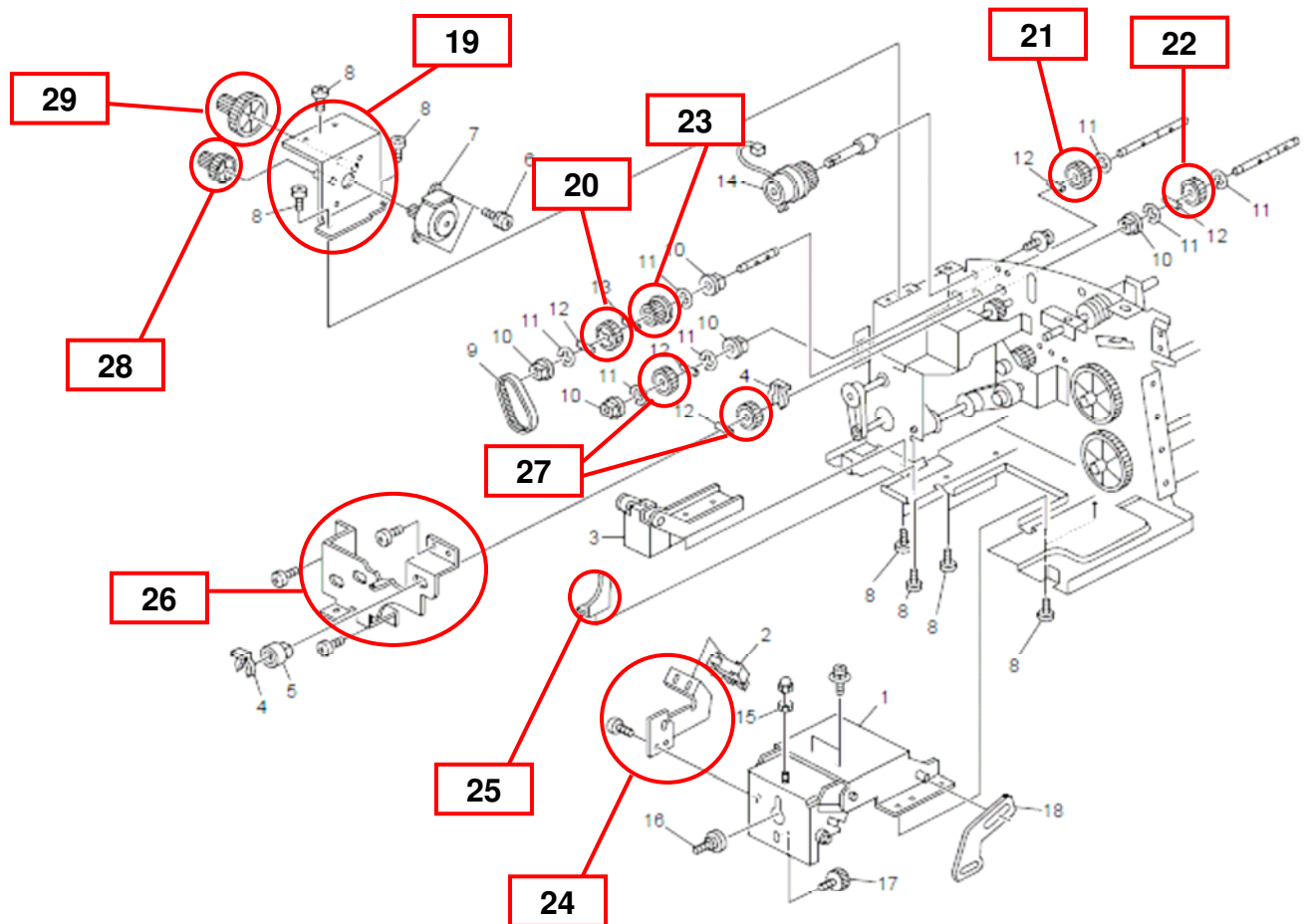
Date: 28-Jun-2010

No.: RD391030

18. Inserter Section 12

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911630	BRACKET:DC STEPPER MOTOR: PF3091K010	1	-	37	19	Add
D3911604	GEAR:Z28:PF3091P065	1	-	37	20	Add
D3911631	GEAR:Z18:PF3091P069	1	-	37	21	Add
D3911632	GEAR:Z20:PF3091P067	1	-	37	22	Add
D3911532	TIMING PULLEY:Z18XS3M:PF4051P056	1	-	37	23	Add
D3911633	BRACKET:SENSOR:ON OFF DETECTOR: PF3091P150	1	-	37	24	Add
D3911634	BRACKET:SENSOR:ON OFF DETECTOR: PF3091P149	1	-	37	25	Add
D3911635	BRACKET:DRIVE:REGISTRATION: PF3091P127	1	-	37	26	Add
D3911602	GEAR:Z20:PF3091P405	2	-	37	27	Add
D3911636	GEAR:Z16/Z40:PF3091P404	1	-	37	28	Add
D3911637	GEAR:Z16/Z60:PF3091P407	1	-	37	29	Add

18. Inserter Section 12 (D391)



Model: Perfect Binder GB5000

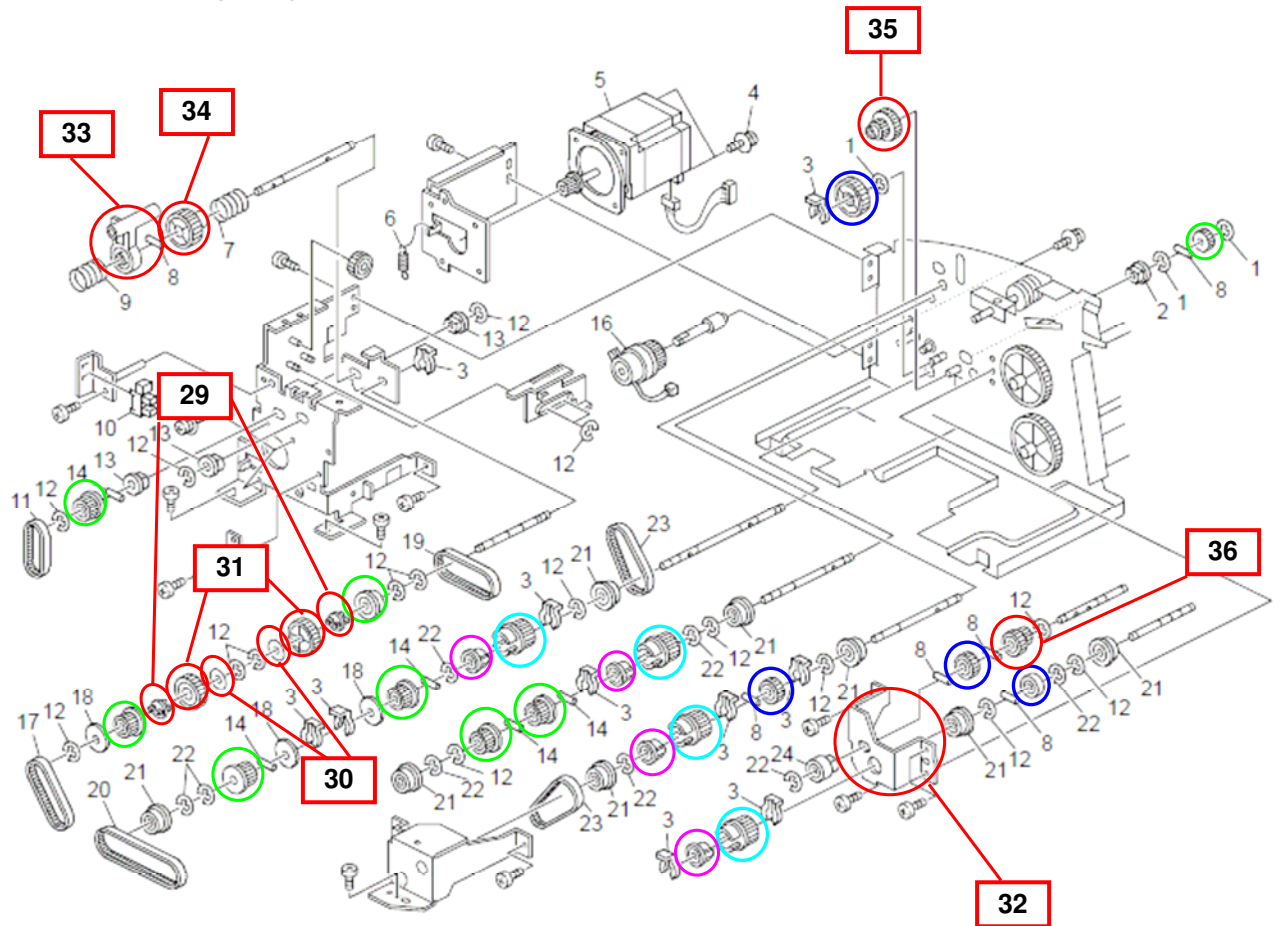
Date: 28-Jun-2010

No.: RD391030

19. Inserter Section 13

New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911532	TIMING PULLEY:Z18XS3M:PF4051P056	8	-	39	25	Add
D3911644	TIMING PULLEY:T24:PF2269P057	4	-	39	26	Add
D3911529	JOINT:PF2268P344	4	-	39	27	Add
D3911602	GEAR:Z20:PF3091P405	4	-	39	28	Add
D3911638	JOINT:DIA6:PF3091P097	2	-	39	29	Add
D3911640	SLIDER:PW060050	2	-	39	30	Add
D3911641	GEAR:Z30:PF3091P410	2	-	39	31	Add
D3911639	BRACKET:DRIVE:REGISTRATION: PF3091P128	1	-	39	32	Add
D3911642	LEVER:PRESSURE:PF3091P406	1	-	39	33	Add
D3911643	GEAR:Z30:PF3091P085	1	-	39	34	Add
D3911616	GEAR:Z35:PF3091P088	1	-	39	35	Add
D3911603	GEAR:Z20/Z14:PF3091P063	1	-	39	36	Add

19. Inserter Section 13 (D391)



Model: Perfect Binder GB5000		Date: 09-Sep-10	No.: RD391031
Modified Article: Parts catalog correction		Prepared by: M. Abe	
From: PP Service Planning Department G1			
Reason for Modification:	<input checked="" type="checkbox"/> Parts catalog correction	<input type="checkbox"/> Vendor change	<input type="checkbox"/> Other
	<input type="checkbox"/> To facilitate assembly	<input checked="" type="checkbox"/> To improve reliability	<input type="checkbox"/> To meet standards ()
	<input type="checkbox"/> Part standardization	<input type="checkbox"/> Product Safety	

This RTB has been issued to announce the modification of the Main Gripper section and the p/n changes accordingly.

Change:

Wider clamps (45mm→ 60mm) have been applied to prevent the FFC from interfering with the clamps, and the brackets have been modified to allow attachment of the wider clamps.

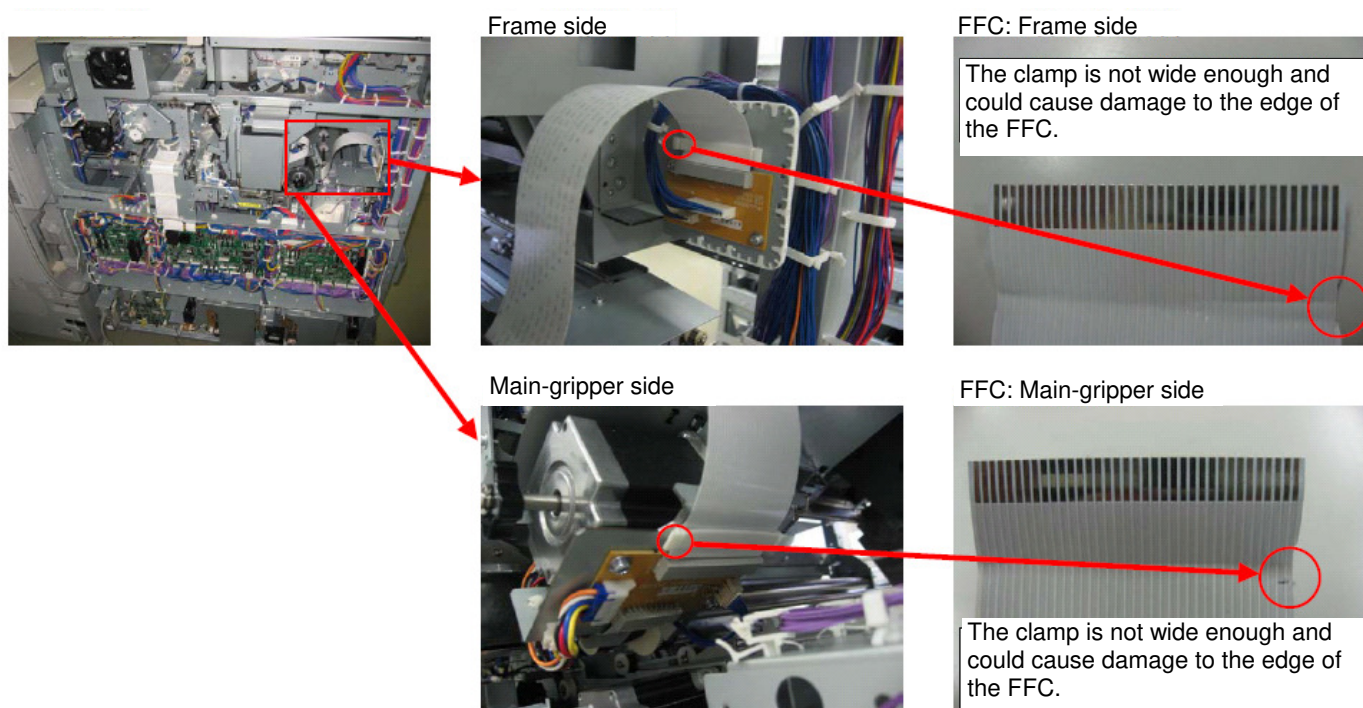
Reason:

Longer life of the FFC

This modification is applied to production of the following serial numbers:

NA: M9700300013 onward

EU: M9700300016 onward



Model: Perfect Binder GB5000

Date: 09-Sep-10

No.: RD391031

Part number	Description	Q'ty	Int	Page	Index	Note
D3911484	CLAMP:FFC:E450001316	2		92	17	Add
D3911485	CLAMP:FFC:E450001317	2		92	17	Add
D3911482	BRACKET:STAY:FFC:1:PF4140P489	1		92	18	Add
D3911483	BRACKET:STAY:FFC:2:PF4140P490	1		92	19	Add
D3915310	HARNESS:TURN:GRIP:PF4140R001	1		92	20	Add

Parts change information described in the above table may be confusing since none of the parts had been previously registered as service parts. Please refer to the following notes.

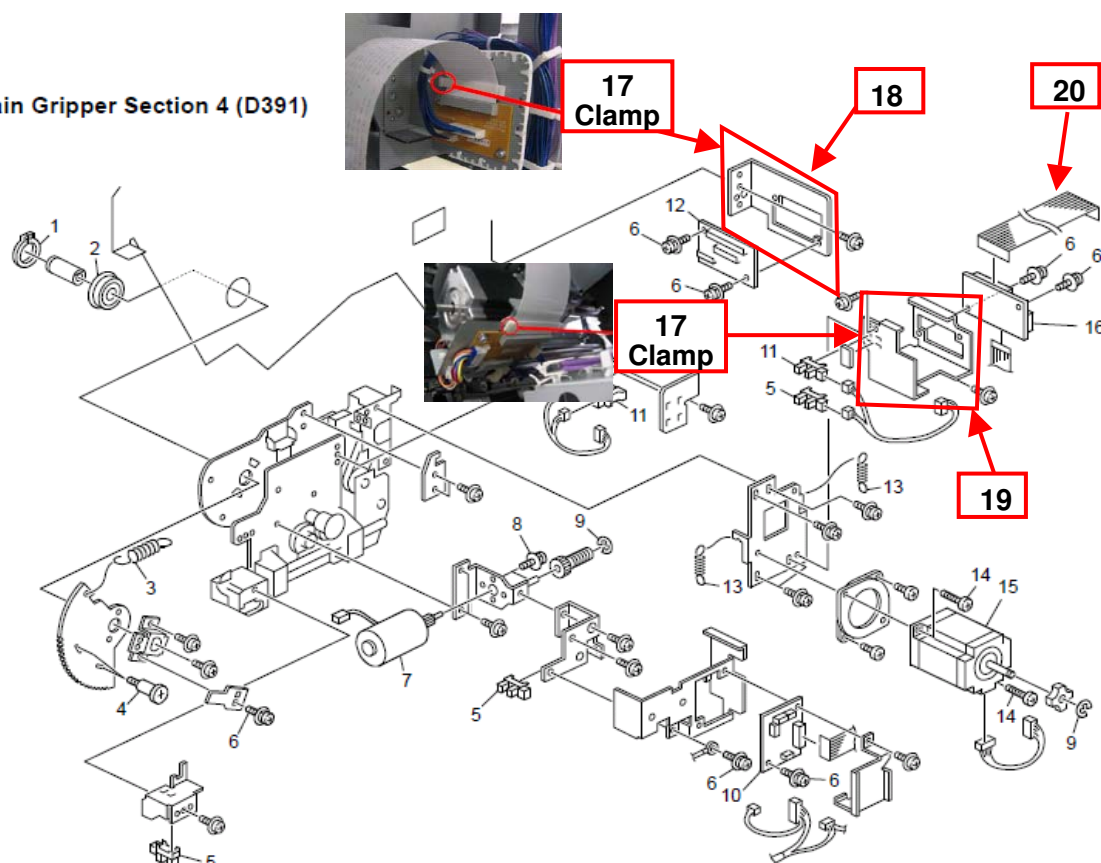
NOTE 1: Clamp "D3911484" (45mm) and clamp "D3911485" (60mm) are not applied together.

NOTE 2: Diagrams of the clamps are not indicated in the parts catalog.

NOTE 3: Clamp "D3911484" (45mm) is applied to the machines produced prior to the serial number mentioned in the previous page.

NOTE 4: The modified brackets "D3911482" and "D3911483" support both "D3911484" (45mm) and "D3911485" (60mm) clamps.

46.Main Gripper Section 4 (D391)



Reissued:18-Jan-11

Model: Perfect Binder GB5000	Date: 12-Oct-10	No.: RD391032a
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RTB Reissue

The items in ***bold italics*** were corrected or added.

Subject: Rework for Flapper Gear		Prepared by: K. Tsutsui	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Symptom
SC796-13/SC797-50
Cause

Incorrect engagement of the Flapper Gear and the Motor Gear wears the Switchback Gear due to excess load, disabling its prescribed rotation.

Solution

The Flapper Gear has been modified to have wider teeth, and the Motor Bracket has also been modified to allow proper engagement of the Flapper and Motor gears.

Failure Rate

None reported from the field so far.

Affected Units

All units as of now are affected.

Please refer to the end of this RTB

Requested Field Rework

Please replace the Modified Flapper Gear, Motor Bracket and E-ring, which are sent to your SPC in kits with the p/n D3919905.

D3919905 is composed of these parts:

D3911924	Gear Switchback PF4140P201B	1 unit
D3911925	Bracket DC Stepper Motor PF4140P202C	1 unit
D3911151	Retaining Rings-E DIA6.4 ER064SU-D	1 unit

For machines currently operating in the field

Please prepare the above kit and replace the parts upon your next service visit.

Time required for replacement: 15 min

For machines to be installed

Please prepare the above kit and replace the parts upon site installation.


Additional time required for replacement: 10 min

Reissued:18-Jan-11

Model: Perfect Binder GB5000	Date: 12-Oct-10	No.: RD391032a
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NOTE

Progress of the rework should be managed in your field by the serial numbers. However, if the modification status of a unit cannot be identified, judge by the shape of the Motor Bracket to check whether or not the rework has been carried out.

	New	Old
Flapper Gear	 <p>D3911924</p>	
Motor Bracket	 <p>D3911925</p>	

and E-ring(D3911151)

Tools required for replacing the Flapper Gear and Motor Bracket:

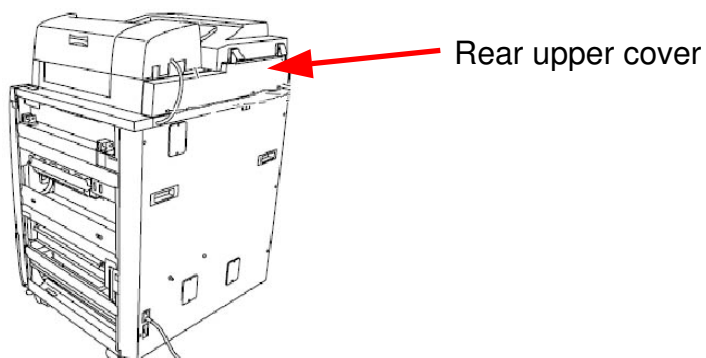
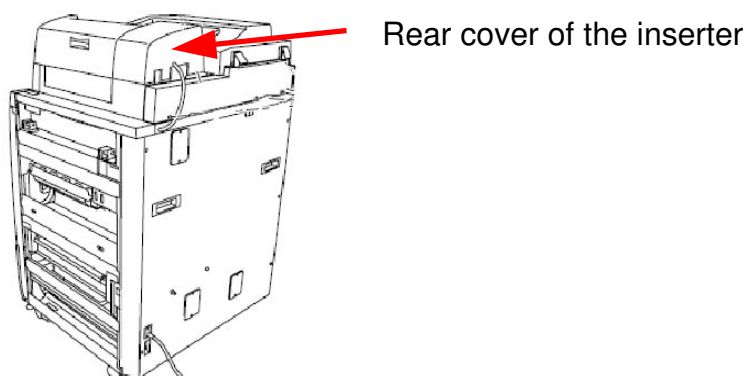
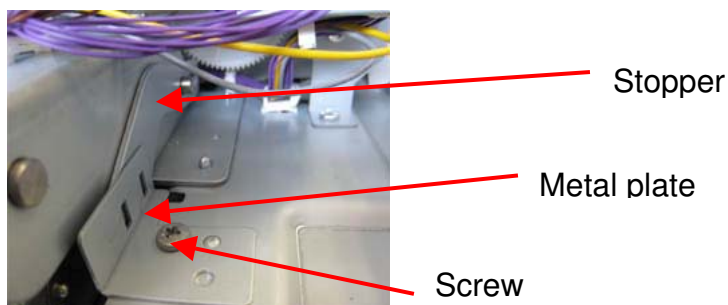
- Phillips screwdriver
- Flathead screwdriver
- Pliers
- Grease
- Tape

Reissued:18-Jan-11

Model: Perfect Binder GB5000

Date: 12-Oct-10

No.: RD391032a

Replacement Procedure: Flapper Gear / Motor Bracket**1. Preparation****Step 1-1** Remove the rear upper cover. (screw x5)**Step 1-2** Remove the rear cover of the inserter. (screw x2)**Step 1-3** Remove the screw, metal plate, and stopper.

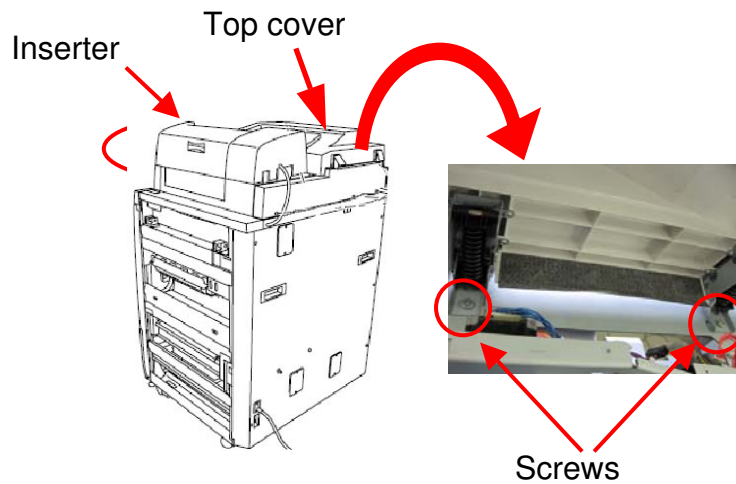
Reissued:18-Jan-11

Model: Perfect Binder GB5000

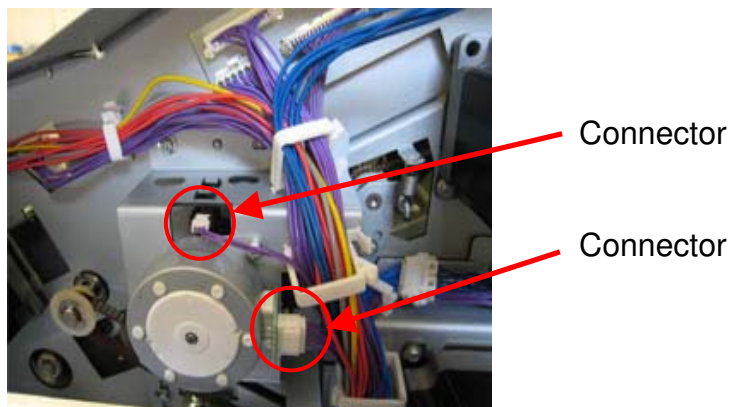
Date: 12-Oct-10

No.: RD391032a

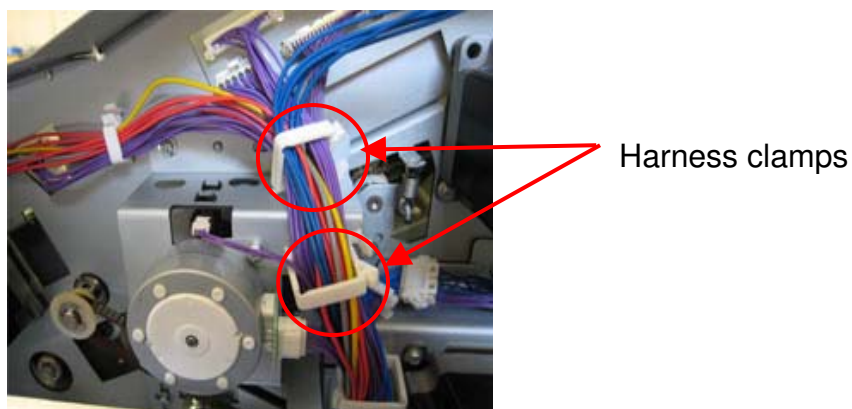
Step 1-4 Lift up the inserter to the vertical position, and then remove the top cover. (screw x2)



Step 1-5 Disconnect the 2 connectors.



Step 1-6 Release the 2 harness clamps from the motor bracket.



Reissued:18-Jan-11

Model: Perfect Binder GB5000

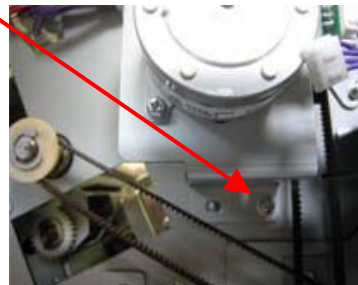
Date: 12-Oct-10

No.: RD391032a

Step 1-7 Remove the motor bracket. (screw x2)



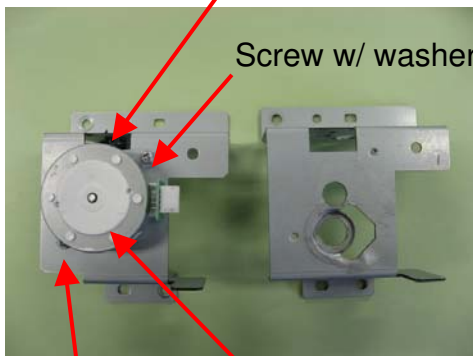
Motor bracket



Step 1-8 Remove the motor and the photo-sensor from the current motor bracket. Install the removed photo-sensor on the new bracket.

Photo-sensor

Screw w/ washer

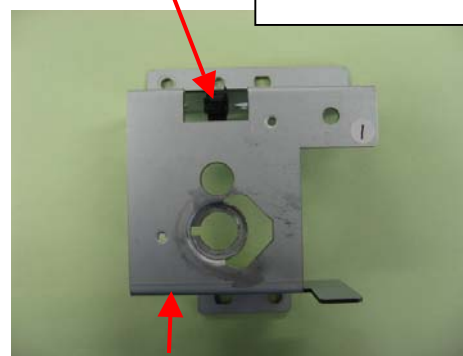


Screw w/ washer

Motor

Photo-sensor

New motor bracket



New motor bracket

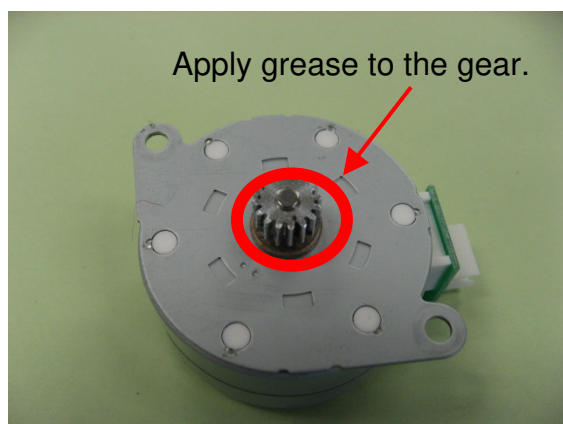


Reissued:18-Jan-11

Model: Perfect Binder GB5000

Date: 12-Oct-10

No.: RD391032a

Step 1-9 Apply grease to cover all the teeth of the gear of the removed motor.

Reissued:18-Jan-11

Model: Perfect Binder GB5000

Date: 12-Oct-10

No.: RD391032a

2. Replacing the Flapper Gear and the Motor Bracket

A parallel pin is installed to align the flapper gear with the flapper shaft.

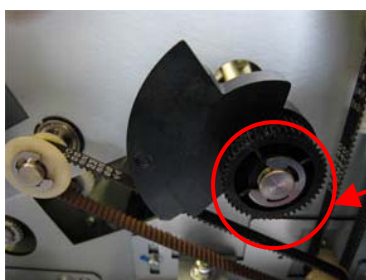
Work carefully to avoid dropping the pin into the unit when removing the flapper gear.

Step 2-1 Fix the flapper using a tape. This will lower the risk of dropping the parallel pin into the unit.



Tape

Step 2-2 Remove the E-type retaining ring.



E-type retaining ring

Step 2-3 Pull out the flapper gear and remove the parallel pin.

Work carefully to avoid dropping the pin into the unit.



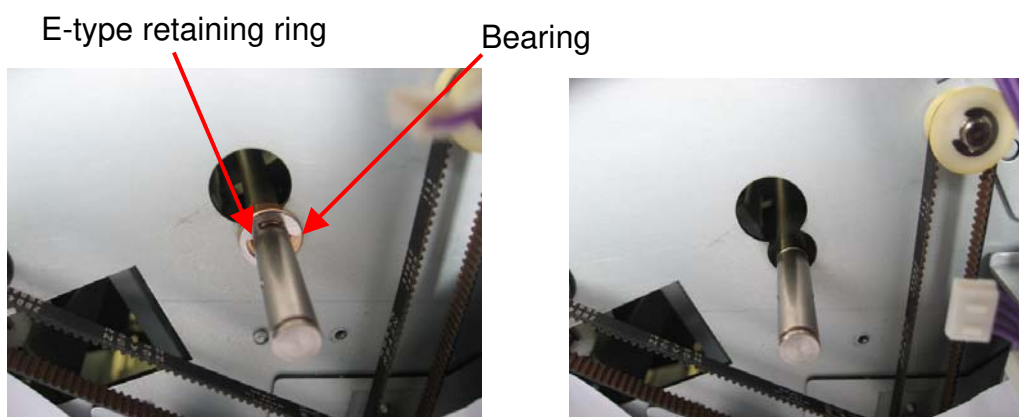
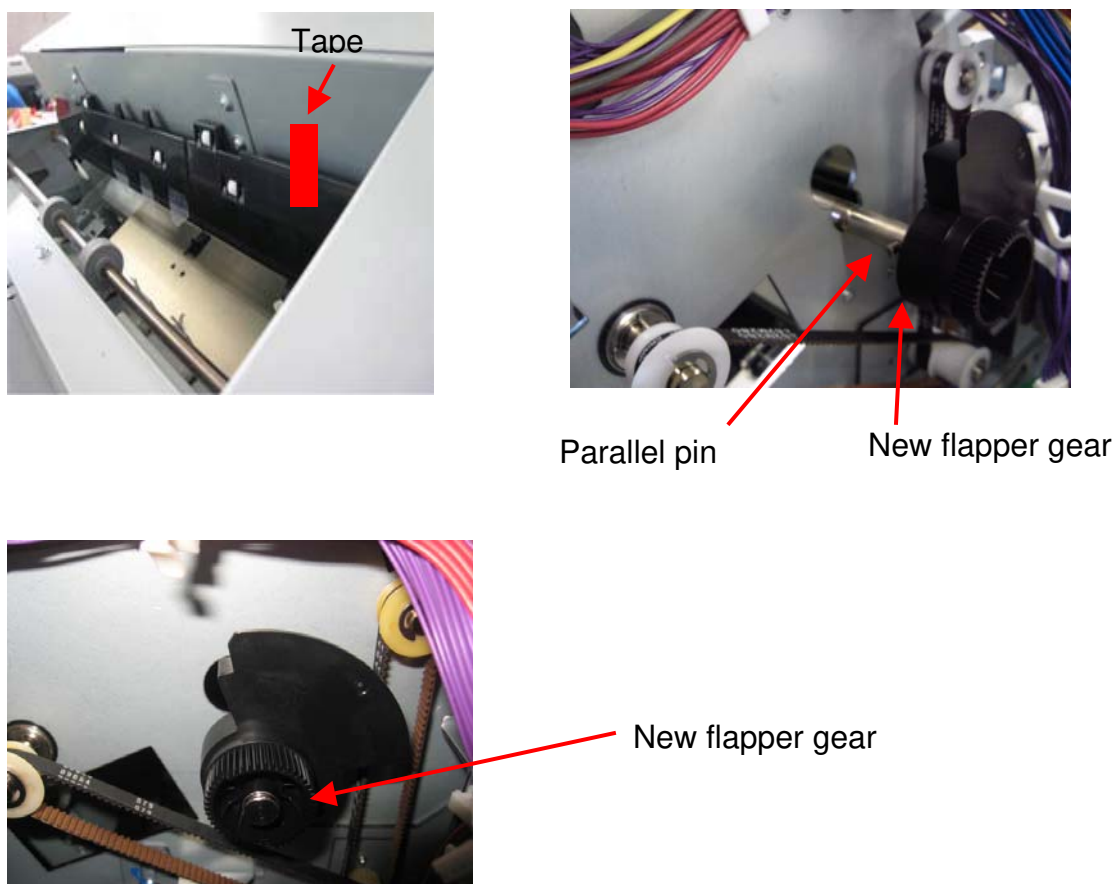
Flapper gear

Reissued:18-Jan-11

Model: Perfect Binder GB5000

Date: 12-Oct-10

No.: RD391032a

Step 2-4 Remove the E-type retaining ring, and then pull out the [bearing](#).

Step 2-5 Maintain the position of the flapper fixed in 'Step 2-1', and install the parallel pin and the new flapper gear on the shaft.


Reissued:18-Jan-11

Model: Perfect Binder GB5000

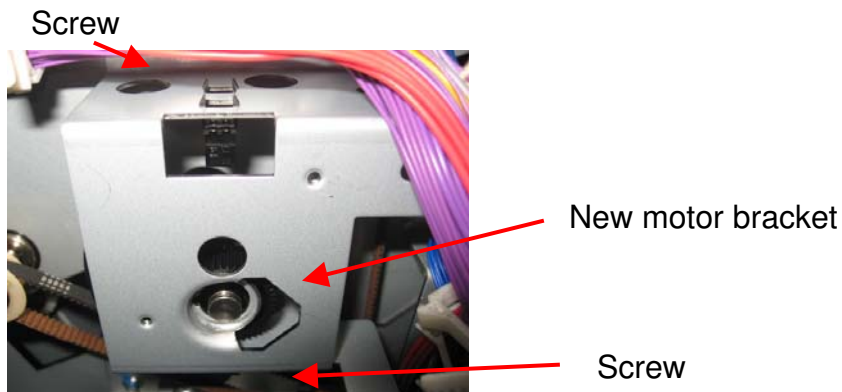
Date: 12-Oct-10

No.: RD391032a

Step 2-6 Peel off the tape and lower the flapper until it contacts the tray.
Make sure the adhesives from the tape are removed from the flapper.



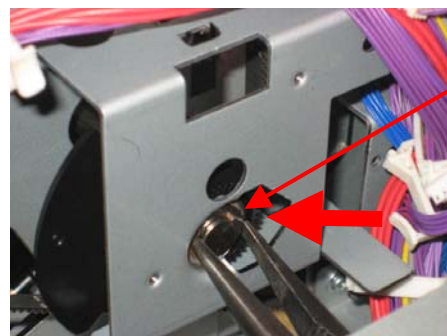
Step 2-7 Attach the new motor bracket.
Make sure the harnesses are not pinched when attaching the bracket.



Step 2-8 Attach the bearing and the E-type retaining ring to the shaft.
 The E-type retaining ring should be attached from your right hand side as indicated by the red arrow in the photo below.



Bearing



E type retaining ring



Reissued:18-Jan-11

Model: Perfect Binder GB5000

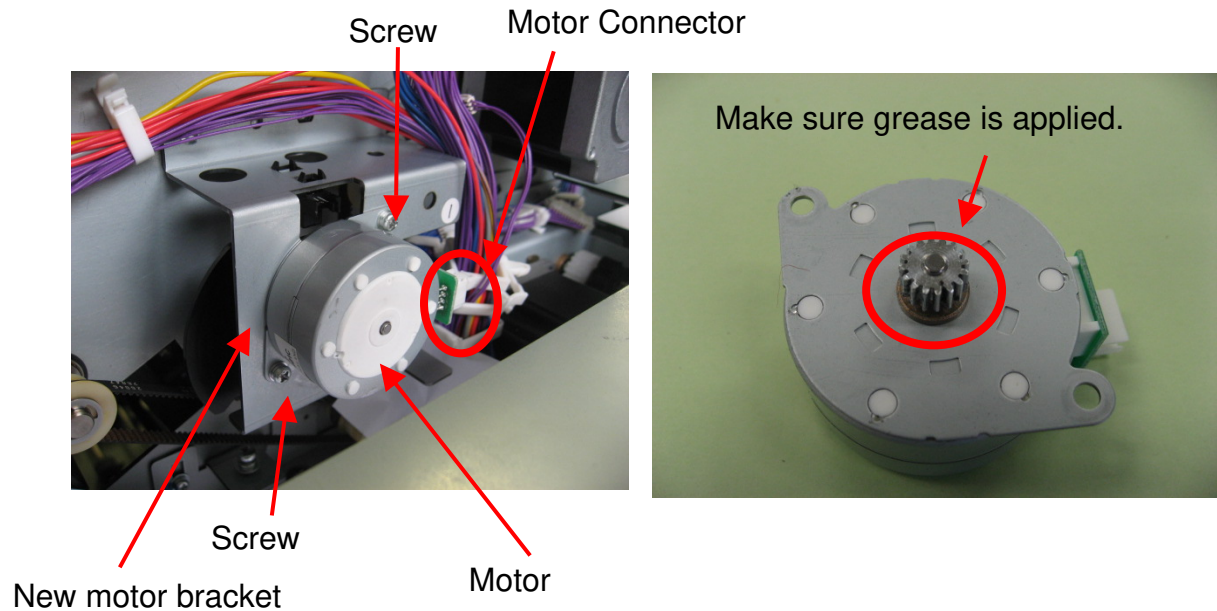
Date: 12-Oct-10

No.: RD391032a

Step 2-9 Install the motor to the new motor bracket.

Apply grease to the gear of the motor.

Attach the motor so that the connector faces the right hand side.



Reissued:18-Jan-11

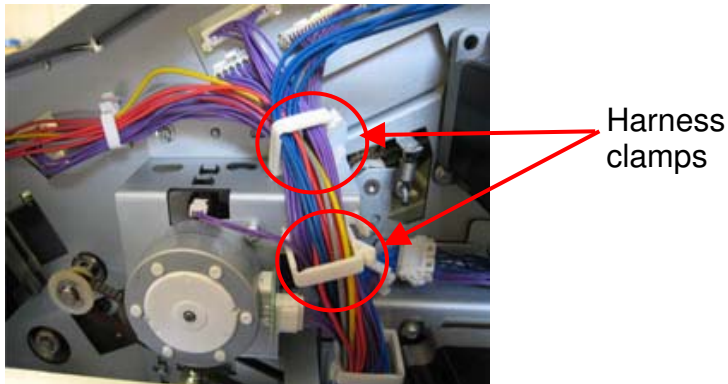
Model: Perfect Binder GB5000

Date: 12-Oct-10

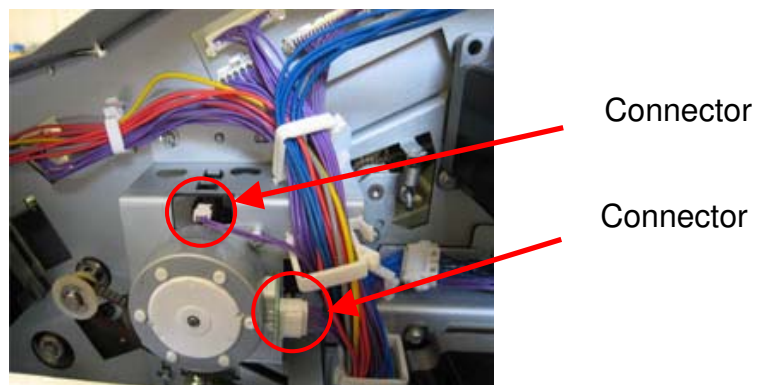
No.: RD391032a

3. Reassembling

Step 3-1 Fasten the 2 harness clamps to the motor bracket.



Step 3-2 Connect the 2 connectors.



Step 3-4 Attach the stopper and the metal plate. (screw x1)



Stopper



Metal plate

Reissued:18-Jan-11

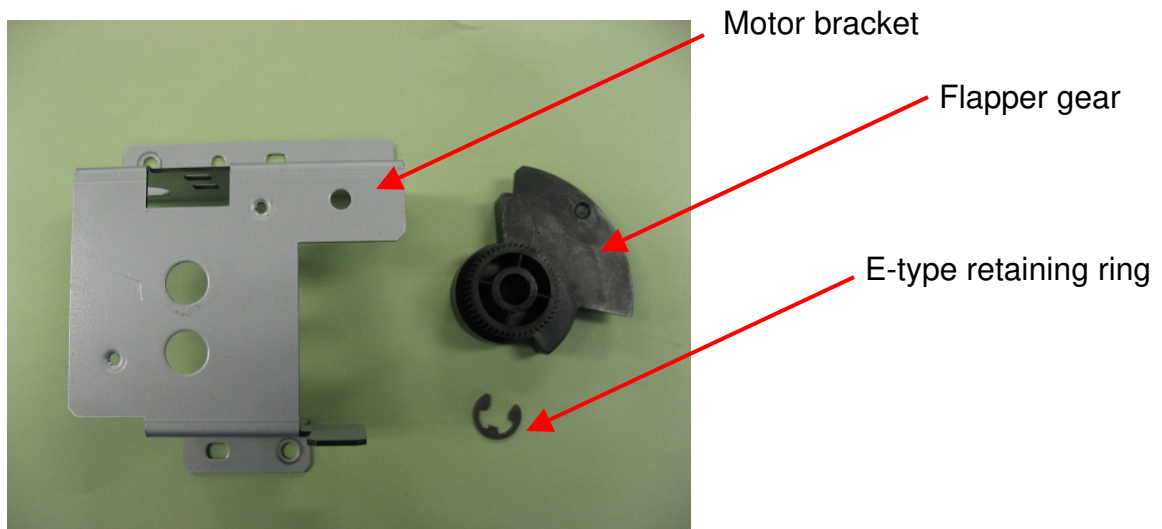
Model: Perfect Binder GB5000

Date: 12-Oct-10

No.: RD391032a

Step 3-5 Attach the rear cover of the inserter. (screw x2)**Step 3-6** Attach the rear upper cover. (screw x5)

The following 3 parts are removed from the unit when the replacement procedure is completed.



Reissued:18-Jan-11

Model: Perfect Binder GB5000

Date: 12-Oct-10

No.: RD391032a

Affected Units

RAC Code:D391-17 EDP:404099

No.	S/N	No.	S/N	No.	S/N	No.	S/N
1	M9780300001	51	M9780900029	101	M9790900007	151	M9700400022
2	M9780300002	52	M9780900030	102	M9790900008	152	M9700400023
3	M9780300003	53	M9780900031	103	M9790900009	153	M9700400024
4	M9780300004	54	M9781000001	104	M9790900010	154	M9700400025
5	M9780300005	55	M9781000002	105	M9790900011	155	M9700400026
6	M9780300006	56	M9781000003	106	M9790900012	156	M9700400027
7	M9780300007	57	M9781000004	107	M9790900013	157	M9700400028
8	M9780300008	58	M9781000005	108	M9790900014	158	M9700400029
9	M9780300009	59	M9781000006	109	M9790900015	159	M9700400030
10	M9780300010	60	M9781000007	110	M9790900016	160	M9700500001
11	M9780300011	61	M9781000008	111	M9790900017	161	M9700500003
12	M9780300012	62	M9781000015	112	M9790900018	162	M9700500004
13	M9780300013	63	M9781000016	113	M9790900019	163	M9700500005
14	M9780300014	64	M9781000017	114	M9790900020	164	M9700500006
15	M9780300016	65	M9781000018	115	M9790900021	165	M9700500007
16	M9780300017	66	M9781000020	116	M9790900022	166	M9700500008
17	M9780300018	67	M9781000021	117	M9790900023	167	M9700500011
18	M9780300019	68	M9781100001	118	M9790900024	168	M9700500012
19	M9780300020	69	M9790400001	119	M9790900025	169	M9700500013
20	M9780300021	70	M9790400002	120	M9790900026	170	M9700500014
21	M9780300022	71	M9790400003	121	M9790900027	171	M9700500015
22	M9780300023	72	M9790500010	122	M9790900028	172	M9700600002
23	M9780300024	73	M9790500011	123	M9790900029	173	M9700600003
24	M9780300025	74	M9790500012	124	M9790900030	174	M9700600004
25	M9780400001	75	M9790500013	125	M9790900031	175	M9700600005
26	M9780400002	76	M9790500014	126	M9790900032	176	M9700600006
27	M9780400003	77	M9790500015	127	M9700300009	177	M9700600007
28	M9780400004	78	M9790500016	128	M9700300010	178	M9700600009
29	M9780600002	79	M9790500017	129	M9700300011	179	M9700600010
30	M9780600003	80	M9790500018	130	M9700300012	180	M9700600011
31	M9780600004	81	M9790600001	131	M9700300013	181	M9700600012
32	M9780600009	82	M9790600002	132	M9700300014	182	M9700600013
33	M9780600012	83	M9790600005	133	M9700300015	183	M9700600014
34	M9780600014	84	M9790600006	134	M9700300018	184	M9700600015
35	M9780600016	85	M9790600007	135	M9700300019	185	M9700600016
36	M9780600017	86	M9790600008	136	M9700300020	186	M9700600017
37	M9780700003	87	M9790700001	137	M9700300021	187	M9700700002
38	M9780700004	88	M9790700002	138	M9700300027	188	M9700700003
39	M9780700005	89	M9790700004	139	M9700300028	189	M9700700004
40	M9780700006	90	M9790700005	140	M9700400002	190	M9700700005
41	M9780700007	91	M9790800009	141	M9700400003	191	M9791000012
42	M9780700009	92	M9790800010	142	M9700400004	192	M9791000013
43	M9780800002	93	M9790800011	143	M9700400005	193	M9791100001
44	M9780800005	94	M9790800012	144	M9700400010		
45	M9780800008	95	M9790800013	145	M9700400011		
46	M9780800009	96	M9790800014	146	M9700400012		
47	M9780800010	97	M9790800015	147	M9700400013		
48	M9780800011	98	M9790800016	148	M9700400014		
49	M9780800013	99	M9790900005	149	M9700400015		
50	M9780800014	100	M9790900006	150	M9700400021		

Reissued:18-Jan-11

Model: Perfect Binder GB5000	Date: 12-Oct-10	No.: RD391032a
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RCI(CANADA) Code:D391-17 EDP:404099

No.	S/N	No.	S/N
1	M9780600001	11	M9781200004
2	M9780600005	12	M9781200005
3	M9780600006	13	M9790100001
4	M9780600007	14	M9790600003
5	M9780600008	15	M9790600004
6	M9780600010	16	M9790700003
7	M9780600011	17	M9790700006
8	M9780600013		
9	M9780600015		
10	M9780700008		

InfoPrint Code:D391-17
Code:D391-27

No.	EDP	S/N		No.	EDP	S/N
1	404099	M9780300015		13	404100	M9780900017
2	404099	M9780800003		14	404100	M9780900018
3	404099	M9780800004		15	404100	M9780900020
4	404099	M9780800006		16	404100	M9781000011
5	404099	M9781000014		17	404100	M9781000013
6	404099	M9781000019		18	404100	M9781100005
7	404099	M9781100002		19	404100	M9781100007
8	404099	M9781100003		20	404100	M9781200001
9	404099	M9781200006				
10	404099	M9781200007				
11	404099	M9781200009				
12	404099	M9790300001				

South America Code:D391-17 EDP:404099

No.	S/N
1	M9700600008

The below is supposed to be landed in NA.

USA	UNITS
M9780700010-12	3
M9780800001	1
M9780800007	1
M9780800012	1
M9780800027	1
M9780900022-28	7
M9781200008	1
M9791000009-11	3
M9791200001-3	3
M9700500002	1
M9700500009-10	2
M9700700001	1

Reissued:18-Jan-11

Model: Perfect Binder GB5000	Date: 12-Oct-10	No.: RD391032a
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RE Code:D391-27 EDP:404100

No.	S/N	No.	S/N	No.	S/N	No.	S/N
1	M9780300026	51	M9780600027	101	M9790500002	151	M9790700008
2	M9780300027	52	M9780600028	102	M9790500003	152	M9790800001
3	M9780300028	53	M9780600029	103	M9790500004	153	M9790800002
4	M9780300029	54	M9780600030	104	M9790500005	154	M9790800003
5	M9780300030	55	M9780600031	105	M9790500006	155	M9790800004
6	M9780300031	56	M9780600032	106	M9790500007	156	M9790800005
7	M9780300032	57	M9780600033	107	M9790500008	157	M9790800006
8	M9780300033	58	M9780600034	108	M9790500009	158	M9790800007
9	M9780300034	59	M9780600036	109	M9700200001	159	M9790800008
10	M9780300035	60	M9780600037	110	M9700200002	160	M9790800017
11	M9780300036	61	M9780700001	111	M9700300001	161	M9790800018
12	M9780300037	62	M9780700002	112	M9700300002	162	M9790800019
13	M9780300038	63	M9780800016	113	M9700300003	163	M9790800020
14	M9780300039	64	M9780800017	114	M9700300004	164	M9790800021
15	M9780300040	65	M9780800018	115	M9700300005	165	M9790800022
16	M9780300041	66	M9780800019	116	M9700300006	166	M9790800023
17	M9780300042	67	M9780800022	117	M9700300007	167	M9790800024
18	M9780300043	68	M9780800023	118	M9700300008	168	M9790800025
19	M9780300044	69	M9780800025	119	M9700300016	169	M9790800026
20	M9780300045	70	M9780800026	120	M9700300017	170	M9790800027
21	M9780300046	71	M9780900001	121	M9700300022	171	M9790800028
22	M9780300047	72	M9780900002	122	M9700300023	172	M9790800029
23	M9780300049	73	M9780900003	123	M9700300024	173	M9790800030
24	M9780300050	74	M9780900004	124	M9700300025	174	M9790800031
25	M9780300051	75	M9780900005	125	M9700300026	175	M9790900001
26	M9780300052	76	M9780900006	126	M9700400001	176	M9790900002
27	M9780300053	77	M9780900007	127	M9700400006	177	M9790900003
28	M9780400005	78	M9780900008	128	M9700400007	178	M9790900004
29	M9780400006	79	M9780900009	129	M9700400008	179	M9790900033
30	M9780400007	80	M9780900010	130	M9700400016	180	M9791000001
31	M9780400008	81	M9780900011	131	M9700700006	181	M9791000002
32	M9780400009	82	M9780900012	132	M9700700007	182	M9791000003
33	M9780400010	83	M9780900032	133	M9700700008	183	M9791000004
34	M9780400011	84	M9780900033	134	M9700700009	184	M9791000005
35	M9780400012	85	M9780900034	135	M9700700010	185	M9791000006
36	M9780400013	86	M9780900035	136	M9700700011	186	M9791000007
37	M9780400014	87	M9780900036	137	M9700700012	187	M9791000008
38	M9780400015	88	M9780900037	138	M9700700013	188	M9700800002
39	M9780400016	89	M9780900038	139	M9700700014	189	M9700800003
40	M9780400017	90	M9780900039	140	M9700700015	190	M9700800004
41	M9780400018	91	M9780900040	141	M9700700016	191	M9700800005
42	M9780600018	92	M9781000010	142	M9700700017	192	M9700800006
43	M9780600019	93	M9790400004	143	M9700700018	193	M9700800007
44	M9780600020	94	M9790400005	144	M9700700019	194	M9700800008
45	M9780600021	95	M9790400006	145	M9700700020	195	M9700800009
46	M9780600022	96	M9790400007	146	M9700700021	196	M9700800010
47	M9780600023	97	M9790400008	147	M9700700022		
48	M9780600024	98	M9790400009	148	M9700700023		
49	M9780600025	99	M9790400010	149	M9700700024		
50	M9780600026	100	M9790500001	150	M9790700007		

**M9700800008, M9700800009, and M9700800010 are unaffected units.
Modification has been reflected in these units at the factory.**

Reissued:18-Jan-11

Model: Perfect Binder GB5000	Date: 12-Oct-10	No.: RD391032a
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The following are supposed to be landed in EU.

EUR	units
M9780800015	1
M9780800020	1
M9780900013-16	4
M9780900019	1
M9781200002	1
M9791200004-6	3
M9700400009	1
M9700400017-20	4
	16

RA Code:D391-27 EDP:404100

No.	S/N	No.	S/N	No.	S/N
1	M9780600035	11	M9781000009	21	M9700200004
2	M9780800021	12	M9780400019	22	M9700600001
3	M9780800024	13	M9780300048		
4	M9781000012	14	M9791100002		
5	M9781100004	15	M9700800001		
6	M9781100006	16	M9790100002		
7	M9781100008	17	M9700100001		
8	M9781100009	18	M9700100002		
9	M9781100010	19	M9700100003		
10	M9781200003	20	M9700200003		

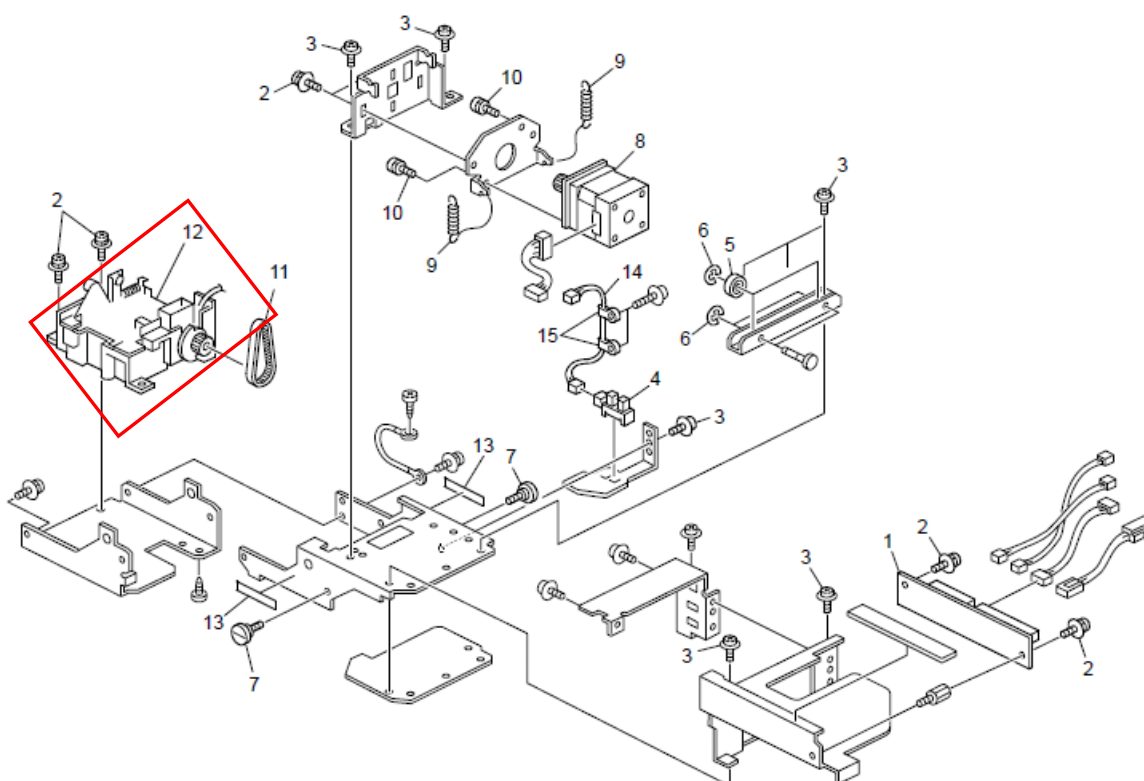
Model: Perfect Binder GB5000 (D391)		Date: 17-Dec-10	No.: RD391033
Subject: Modified Glue Vat		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to avoid possible confusion when ordering the Glue Vat (p/n D3911275).

The Glue Vat was modified to allow the glue vat rollers to maintain better position when gluing, and for better sound proof quality. (No p/n change in accordance with this modification)

Please be informed that although the modified Glue Vat appears different, it is interchangeable and there are no differences in the installation/adjustment procedures.

54.Gluing Section 3 (D391)



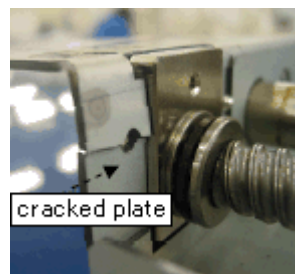
Model: Perfect Binder GB5000		Date: 09-Jun-11	No.: RD391034
Subject: Perfect Binder Trimmer Drive Unit Rework		Prepared by: J. Ohno	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Symptom

Jam caused by disabled trimming function

Cause

Breakage of the rear-side-plate and ball-screw located in the trimmer drive unit
 The photos below show a completely broken ball-screw and a cracked plate.



Solution

Reinforce the Trimmer Drive Unit with the modification kit below for the affected units on your next PM for trimmer blade replacement.

Part Number: **D3919906**

Description: **Reinforcement KIT: Trimmer Drive Unit**

Replacement work time: **60min**

NOTE:

Although at an extremely low occurrence rate, the frame of the Trimmer Drive Unit could be cracked for units that have reached the initial PM cycle for the trimming blade (40K cuts). Instead of installing the reinforcement part, we request you to replace the entire Trimmer Drive Unit for units meeting the above condition.

Shipment of the Trimmer Drive Unit installed with the reinforcement parts is scheduled for late June 2011 when this RTB will be reissued to announce the p/n of the Trimmer Drive Unit.

Failure Rate

100% - Breakage occurs after approximately 120,000 cuts.

CAUTION

Modification will require 2 persons; 1 person for removing the Trimmer Drive Unit from underneath the unit, and 1 person to hold the Trimmer Unit to prevent it from dropping. The rework could be dangerous. DO NOT attempt to do it alone.

Model: Perfect Binder GB5000

Date: 09-Jun-11

No.: RD391034

Serial Number List of the Affected Units Per Region:

RAC: Total 254 machines

No.	Serial No. from-to
1	M97803000 01-25
2	M97804000 01-04
3	M97806000 01-17
4	M97807000 03-12
5	M97808000 01-14
6	M97808000 27
7	M97809000 22-31
8	M97810000 01-08
9	M97810000 14-21
10	M97811000 01-03
11	M97812000 04-09
12	M979010000 1
13	M979030000 1
14	M97904000 01-03
15	M97905000 10-18
16	M97906000 01-08
17	M97907000 01-06
18	M97908000 09-16
19	M97909000 05-15
20	M97909000 16-32
21	M97910000 09-13
22	M979110000 1
23	M97912000 01-03
24	M97003000 09-15
25	M97003000 18-21
26	M97003000 27-28
27	M97004000 02-05
28	M97004000 10-15
29	M97004000 21-31
30	M97005000 01-15
31	M97006000 02-17
32	M97007000 01-05
33	M97009000 01-02
34	M97010000 01-03

RE & RA: Total 224 machines

No.	Serial No. from-to
1	M97803000 26-53
2	M97804000 05-19
3	M97806000 18-20
4	M97806000 21-37
5	M97807000 01-02
6	M97808000 15-26
7	M97809000 01-21
8	M97809000 32-40
9	M97810000 09-13
10	M97811000 04-10
11	M97812000 01-03
12	M979010000 2
13	M97904000 04-10
14	M97905000 01-09
15	M97907000 07-08
16	M97908000 01-03
17	M97908000 05-08
18	M97908000 17-28
19	M97908000 31
20	M97909000 01-04
21	M97909000 33
22	M97910000 01-08
23	M979110000 2
24	M97912000 04-06
25	M97001000 01-03
26	M97002000 01-02
27	M97002000 03-04
28	M97003000 01-08
29	M97003000 17
30	M97003000 24

No.	Serial No. from-to
31	M97003000 26
32	M970040000 1
33	M970040000 6
34	M97004000 07-09
35	M97004000 16-20
36	M970060000 1
37	M97007000 06-09
38	M97007000 12
39	M97007000 14-15
40	M97007000 17
41	M97007000 19
42	M97007000 21
43	M97007000 23
44	M97008000 01-02
45	M97008000 10
46	M97008000 13-15

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4. Removing the Trimmer Drive Unit.....	Page 11
5. Installing the Modification Parts.....	Page 15
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7. Discarded Parts.....	Page 22

Model: Perfect Binder GB5000

Date: 09-Jun-11

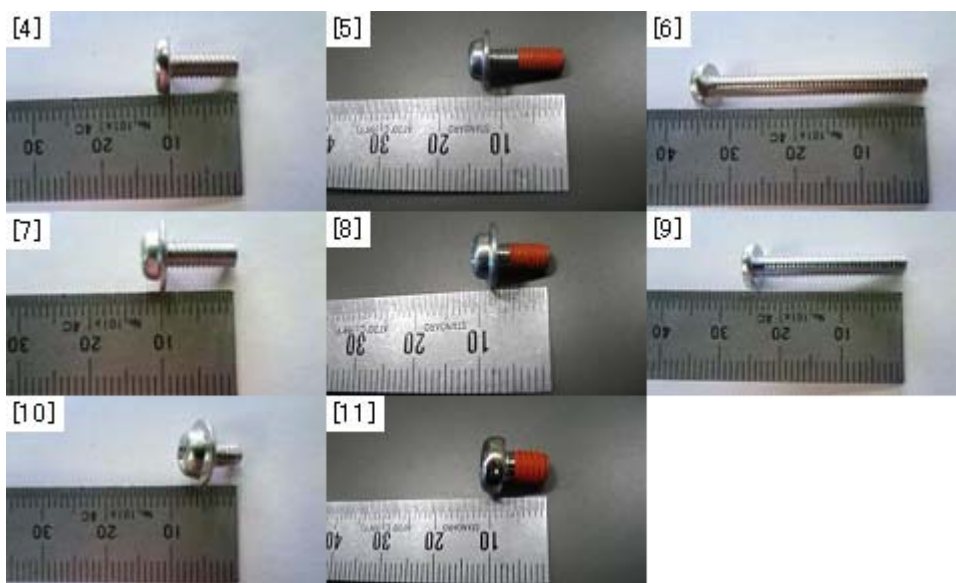
No.: RD391034

1. Modification Kit

The modification kit (p/n:D3919906) includes the following items.



- [1] Reinforcement Block: 1pc
- [2] Reinforcement Stay A: 1pc
- [3] Reinforcement Stay B: 1pc

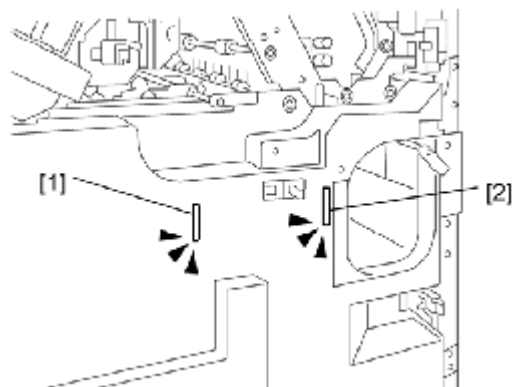


- [4] Binding Screw 4mm x 10mm: 1pc.....Step 5(d)
- [5] Round Washer Head Screw With Lock 4 mm x 12 mm: 1pc.....Step 6-5
- [6] Binding Screw 4 mm x 35 mm: 1pc.....Step 5(c)
- [7] Round Washer Head Screw 4 mm x 10 mm: 1pc.....Step 5(e)
- [8] Round Washer Head Screw With Lock 4 mm x 8 mm: 6pcs... ..Steps 5-7, 6-4, 6-7, and 6-8
- [9] Binding Screw 4 mm x 25 mm: 2pcs... ..Step 5-6
- [10] Round Washer Head Screw 4 mm x 6 mm: 1pc.....Step 6-8
- [11] Binding Screw With Lock 6 mm x 8 mm: 1pc.....Step 5(f)

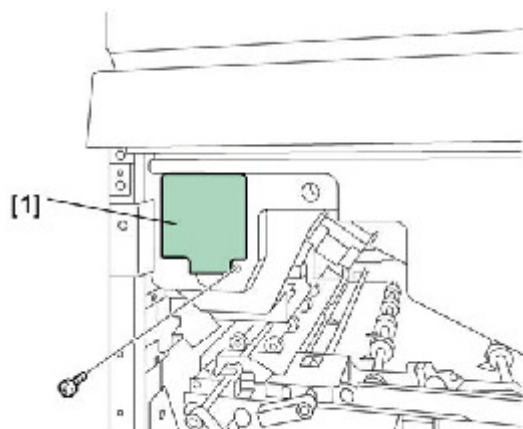
2. Retracting the Blade to the Safe Position

2-1. Turn on the machine power.

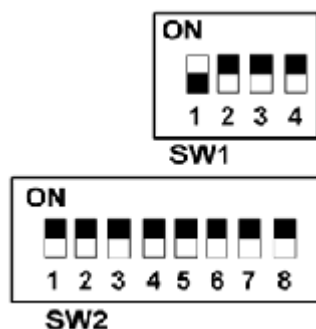
2-2. Open the front doors and insert a piece of cardboard or folded piece of paper into the slot [1] of the left door switch and the slot [2] of the right door switch.



2-3. Remove the service board cover [1] (x1).



2-4. Switch off the host machine.



2-5. On the SW1 bank, set DIP SW1 to ON.

Important

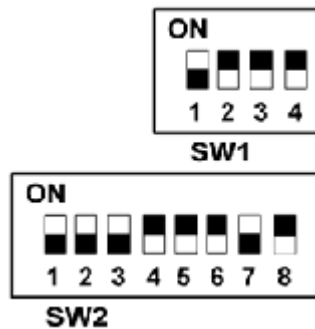
Confirm that the trimmer unit is inside the bookbinder. Before entering Service Mode, the trimmer unit must be inside the machine.

Model: Perfect Binder GB5000

Date: 09-Jun-11

No.: RD391034

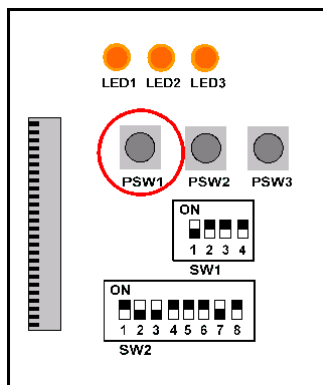
2-6. Turn the host machine on. The bookbinder is now in Service Mode.



2-7. On the SW2 bank, set DIP SW 1, 2, 3, and 7 to ON.

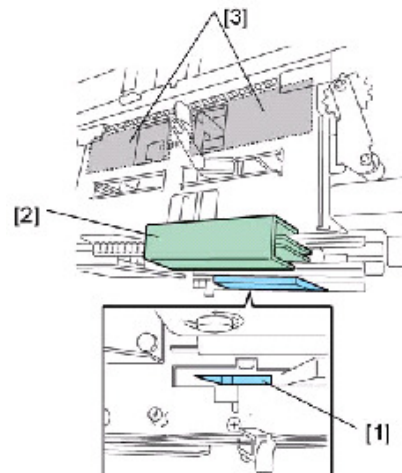
Important Make sure your hands, loose clothing, and tools are well clear of the bookbinder.

2-8. Press 'PSW1'.



This operates the blade [1], edge press plate [2], and signature rotation unit [3].

The blade retracts to the safe position.

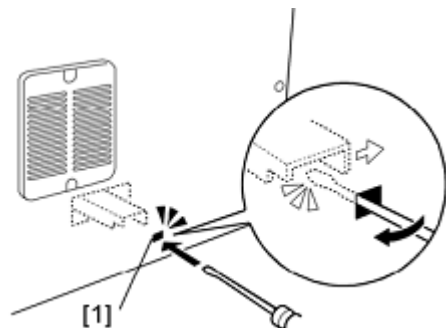


2-9. Turn the host machine off and disconnect the host machine, bookbinder, and any other peripheral devices from the power supply.

2-10. Remove the cardboard or piece of folded paper from the slots of right/left door switches.

3. Removing the Doors and Covers / Trimmer Unit to the Slide-out Position

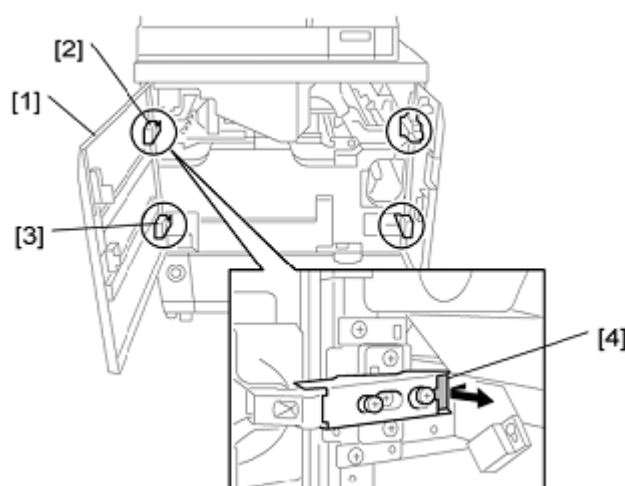
3-1. Insert the tip of a small screwdriver into the small hole [1] near the left rear corner of the bookbinder.



3-2. Move the screwdriver in the direction of the arrow to release the stacking tray lock.

3-3. Open the book stacking tray trimmings box drawer.

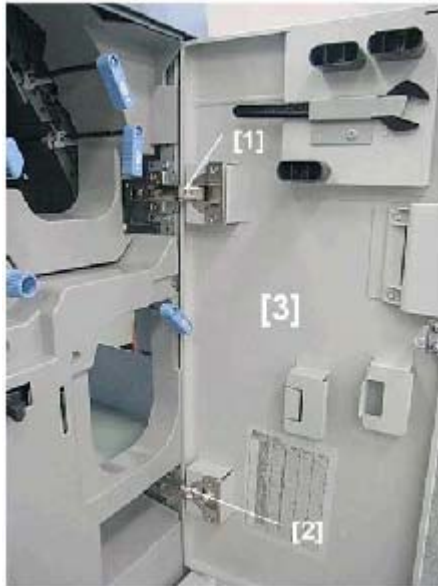
3-4. Open the right front door and left front door.



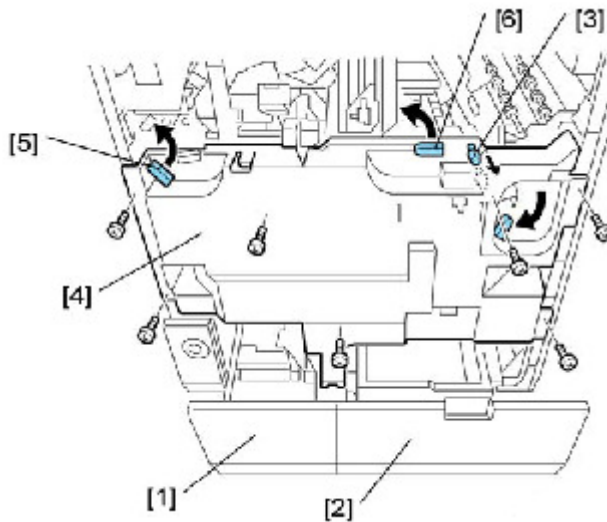
3-5. Remove the top hinge [2] and bottom hinge [3] of the left door [1].

- a) While holding the left front door with one hand, push the black lever [4] behind the top hinge in the direction of the arrow to release the top hinge.
- b) Swing the top hinge out slightly.
- c) While still supporting the left door with one hand, repeat the procedure to remove the bottom hinge.
- d) Remove the left door.

3-6. Repeat the previous step to remove the top hinge [1] and bottom hinge [2], then remove the right front door [3].



3-7. Remove the front lower cover.



3-8. Pull out the book stacking tray [1] and trimmings box [2].

3-9. Pull off the jam clear knob Mk10 [3].

3-10. Remove the screws of the lower inner cover [4] (x7).

3-11. Raise the jam clear levers Mk8 [5] and Mk9 [6] as you remove the cover.

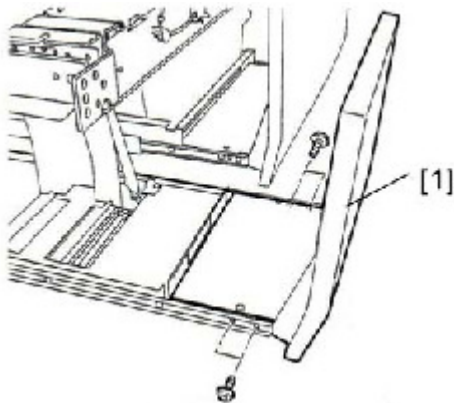
3-12. Return the jam clear levers to their original positions.

Model: Perfect Binder GB5000

Date: 09-Jun-11

No.: RD391034

3-13. Remove the Front Cover [1] of the book stacking tray (screw x2).



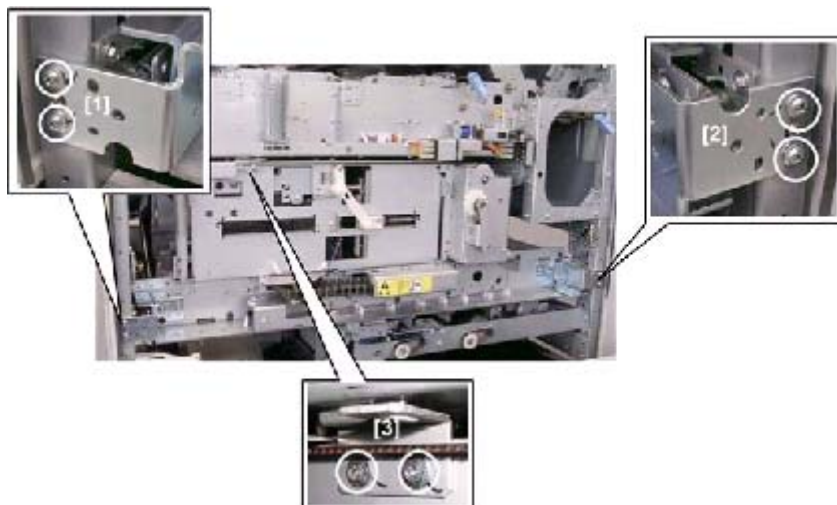
3-14. Remove the Front Cover of the trimmings box unit (screw x4).



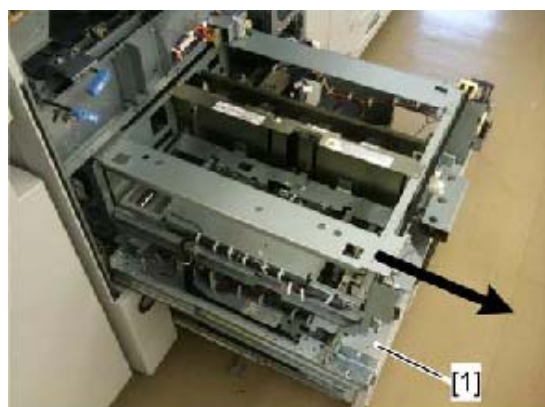
3-15. Slide back in both the stacking tray and the trimmings box unit.

3-16. Remove:

- [1] Left brace (screw x2)
- [2] Right brace (screw x2)
- [3] Lock plate (screw x2)

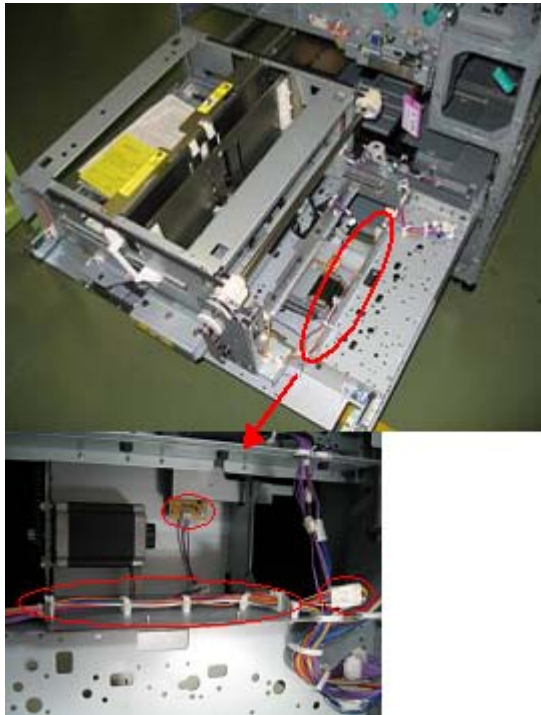


3-17. Pull out the trimming unit [1] on its rails.



4. Removing the Trimmer Driving Unit

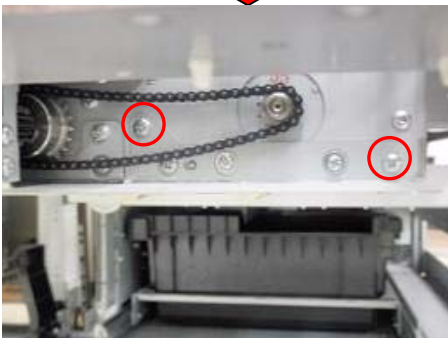
4-1. Disconnect the two connectors and release the harness clamps.



4-2. Remove the 2 round head screws and the plate. **REUSE**



Removed plate



Model: Perfect Binder GB5000

Date: 09-Jun-11

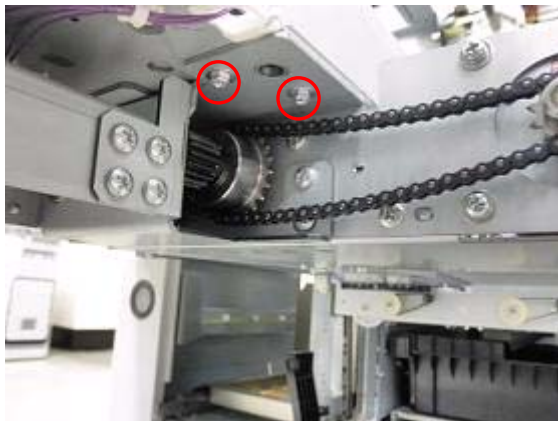
No.: RD391034

Important

- * Two persons are required; one for unscrewing under the machine and one for holding the Trimmer Driving Unit to prevent the unit from dropping.
- * The screws MUST be removed in the order as described in the following removal procedure to prevent the Trimmer Driving Unit from dropping.



4-3. Remove the hexagonal screws, x2. **REUSE**



4-4. Remove the round head screw, x1. **DISCARD**



The left photo is a view from underneath; the left-hand side is the front side and the right-hand side is the rear side of the unit.

Model: Perfect Binder GB5000

Date: 09-Jun-11

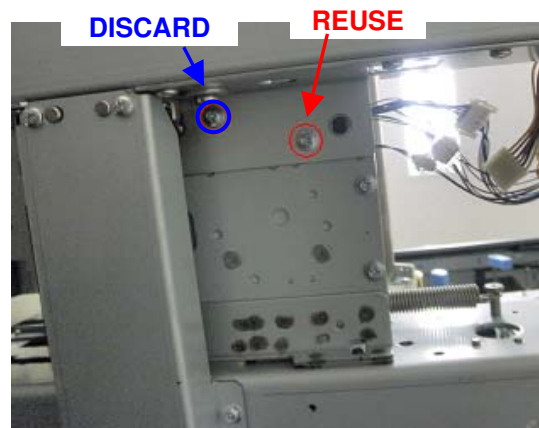
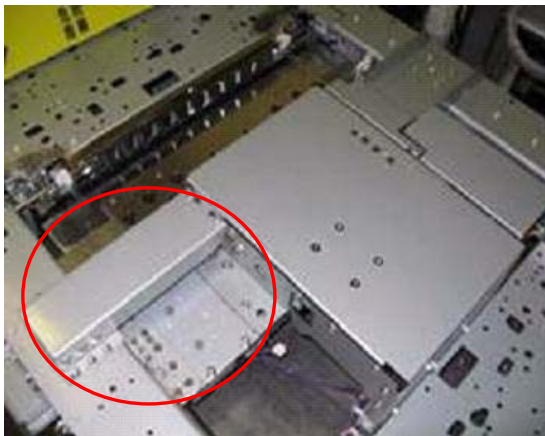
No.: RD391034

4-5. Remove the hexagonal screws, x5. **REUSE**



4-6. Remove the round head screws, x2.

The below photo is a view from underneath; the bottom-left is the rear side and the upper-right is the front side of the unit.



4-7. Remove the round head screws, x2. **REUSE**



4-8. Remove the hexagonal screws, x6. **REUSE**



Removed plate



Model: Perfect Binder GB5000

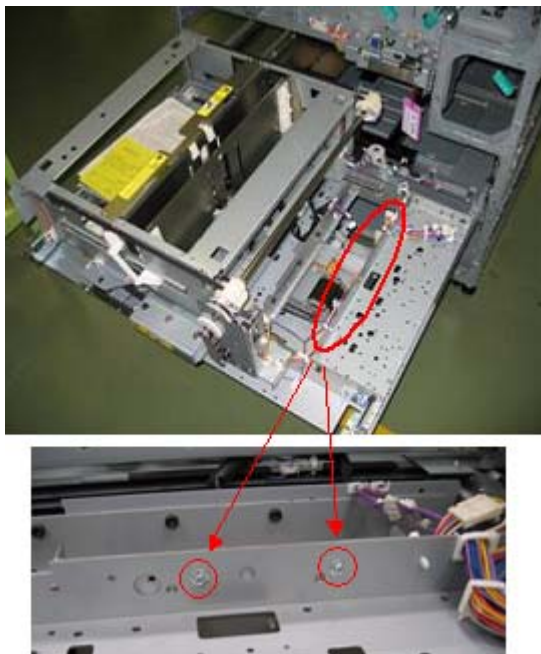
Date: 09-Jun-11

No.: RD391034

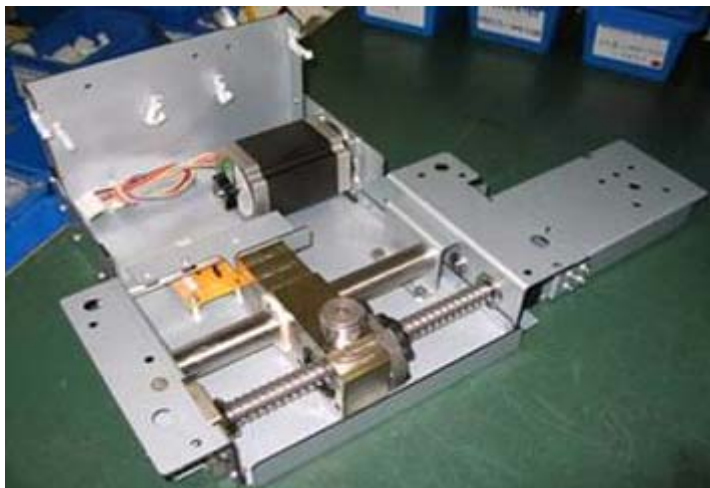
4-8. Remove the round head screw, x1. **DISCARD**



4-9. Remove the hexagonal screws, x2. **REUSE**



4-10. Carefully remove the Trimmer Driving Unit.



5. Installing the Modification Parts

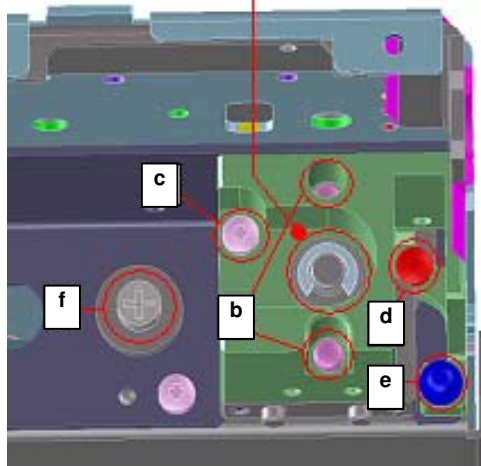
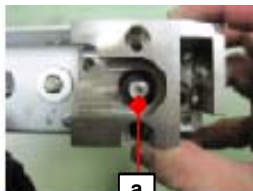
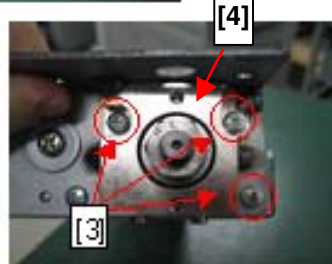
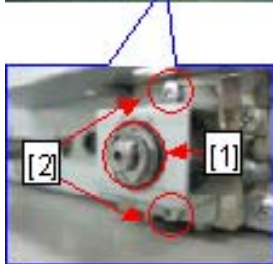
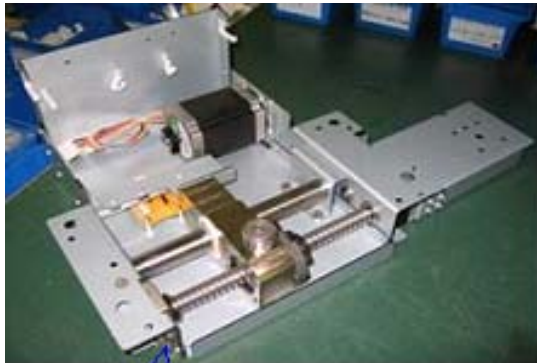
5-1. Remove the E-type retaining ring; x1 and bearing; x1. **REUSE**

5-2. Remove the round head screws; x2. **DISCARD**

5-3. Remove the round head screws; x3. **DISCARD**

5-4. Remove the bracket. **DISCARD**

5-5. Attach the Reinforcement Block to position 'a', insert the bearing, and hold it with the E-type retaining ring removed in step '5-1'.



(a) Slot in the Reinforcement Block.

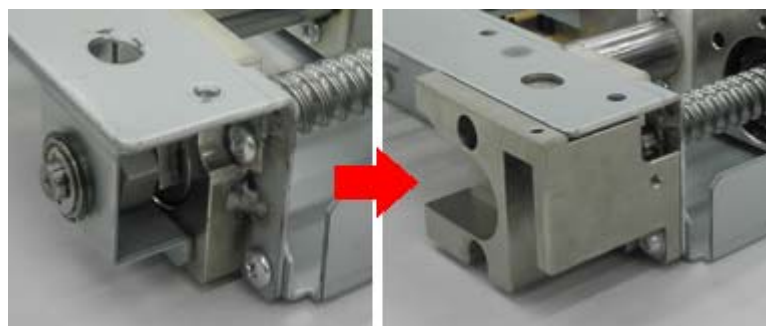
(b) Fasten with the 'Binding Screw 4mm x 25mm'. (x2)
NEW [Screw #9 on page 4]

(c) Fasten with the 'Binding Screw 4mm x 35mm'. (x1)
NEW [Screw #6 on page 4]

(d) Fasten with the 'Binding Screw 4mm x 10mm'. (x1)
NEW [Screw #4 on page 4]

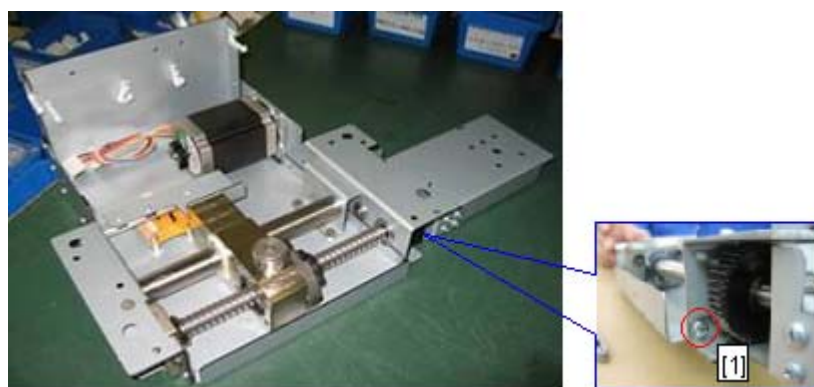
(e) Fasten with the 'Round Washer Head Screw 4mm x 10mm' (x1) **NEW** [Screw #7 on page 4]

(f) Fasten with the 'Binding Screw With Lock 6mmx8mm'. (x1) **NEW** [Screw #11 on page 4]

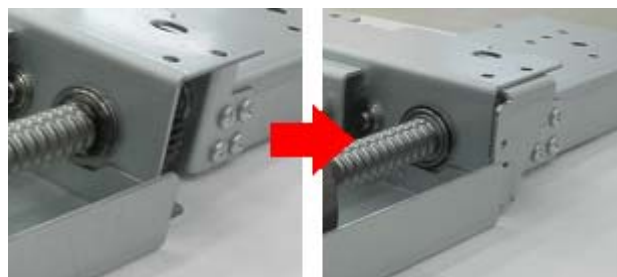
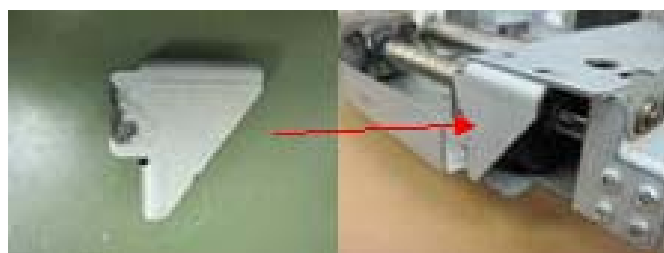


Before & after the modification

5-6. Remove the round head screw; x1. **DISCARD**



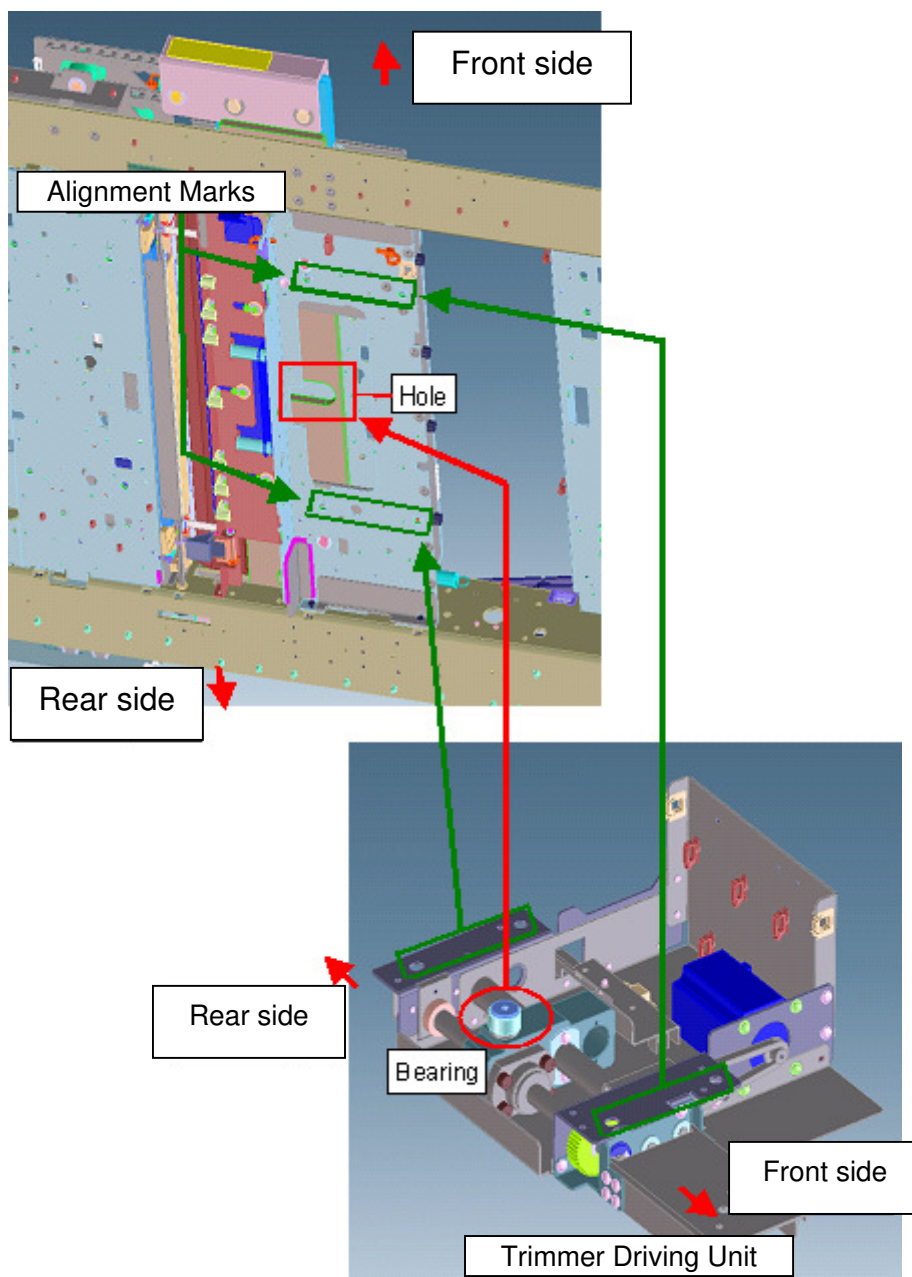
5-7. Insert the 'Reinforcement Stay A' and fasten with the 'Round Washer Head Screw With Lock 4mm x 8mm'. (screw x1) **NEW**



Before & after the modification

6. Reinstalling the Trimmer Driving Unit

View of the Trimming Unit from Underneath

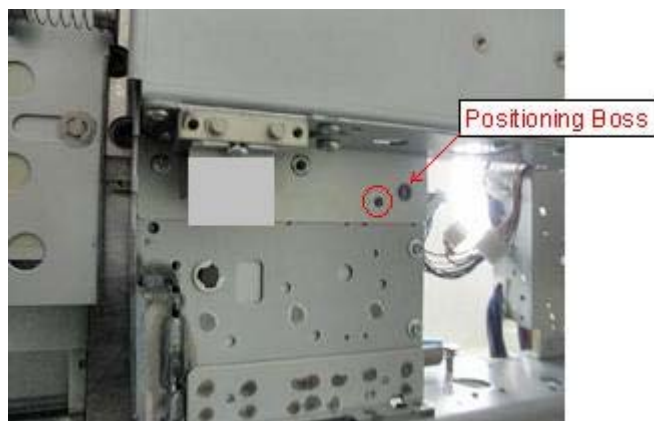


Model: Perfect Binder GB5000

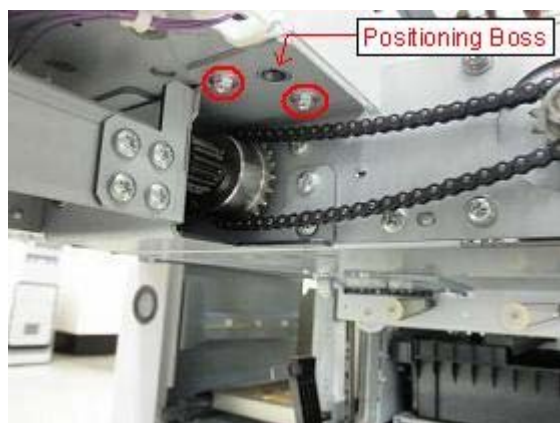
Date: 09-Jun-11

No.: RD391034

6-1. Fasten the hexagonal screw removed in step '4-6' to the position close to the alignment boss.
(screw x1) **REUSE**



6-2. Fasten the hexagonal screws removed in step '4-3'. (screw x2) **REUSE**

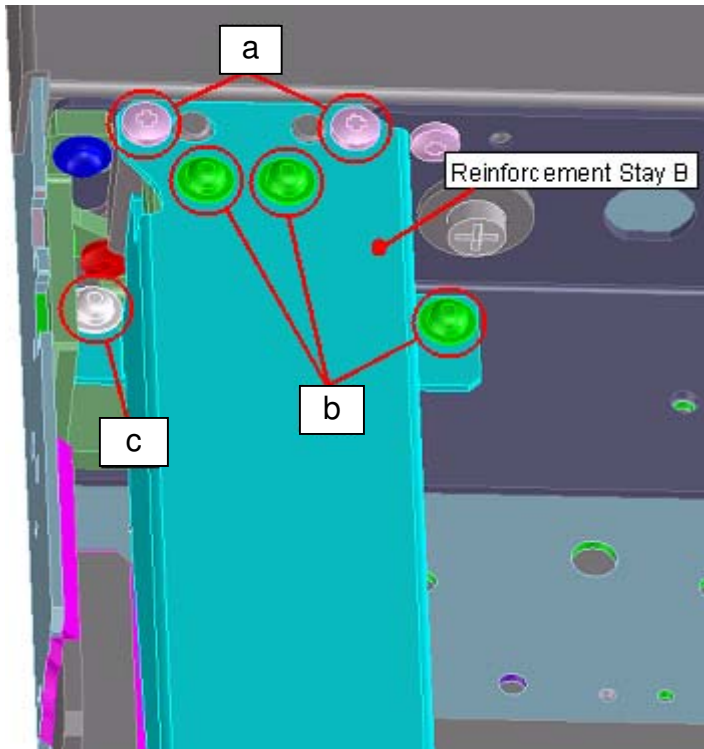


Model: Perfect Binder GB5000

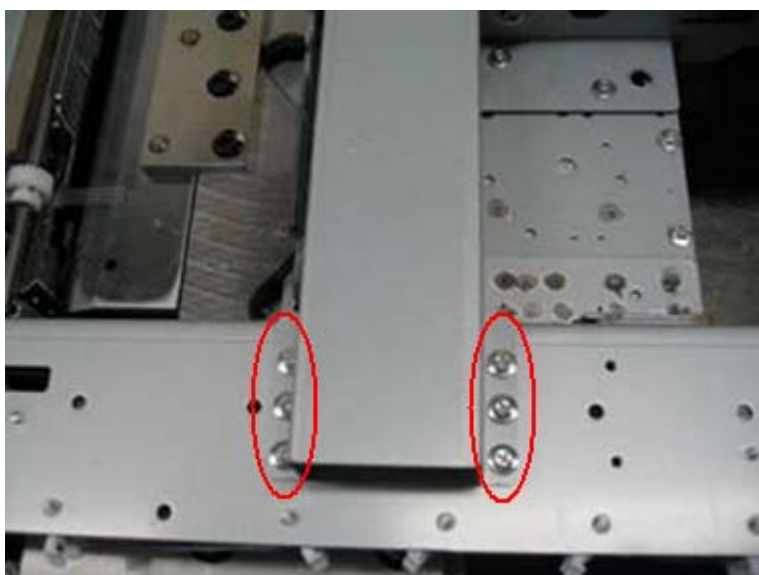
Date: 09-Jun-11

No.: RD391034

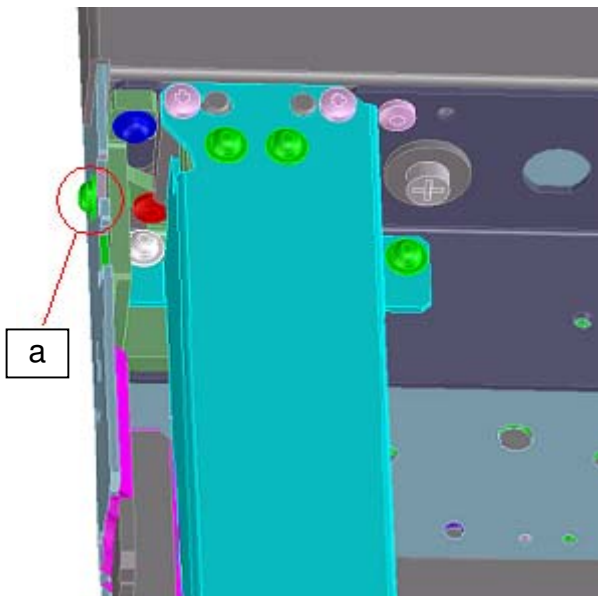
- 6-3. Attach the Reinforcement Stay B and fasten the positions 'a' in the diagram below with the Round Head screws removed in step '4-7'. (screw x2) **REUSE**
- 6-4. Fasten the positions 'b' with the 'Round Washer Head Screw With Lock 4 mm x 8 mm'. (screw x3). **NEW**
- 6-5. Fasten the position 'c' with the 'Round Washer Head Screw With Lock 4 mm x 12 mm'. (screw x1) **NEW**



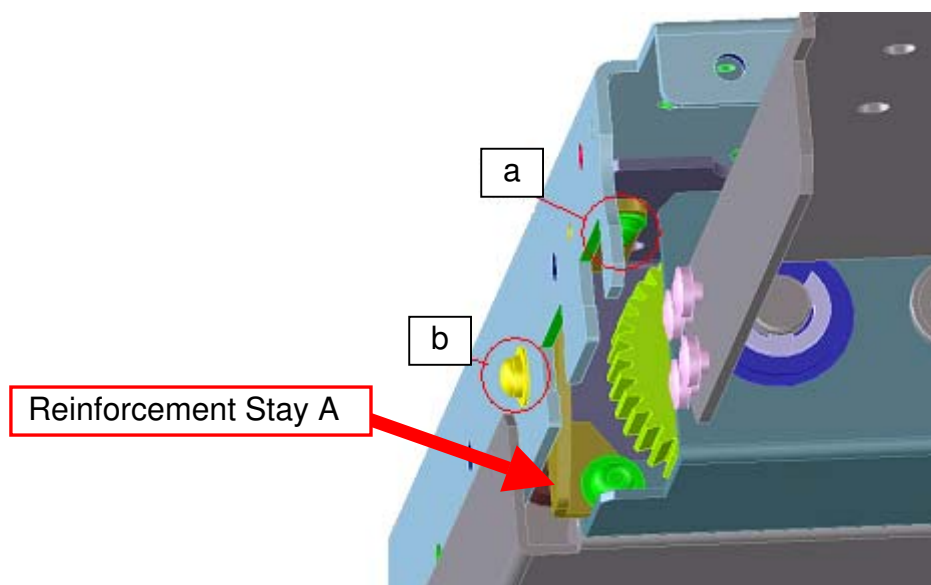
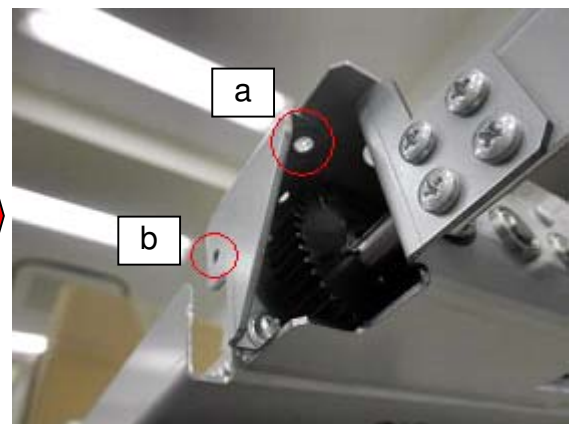
- 6-6. Fasten the other end of the stay with the hexagonal screws removed in step '4-8'. (screw x6) **REUSE**



6-7. Fasten the screw hole 'a' in the diagram below with the 'Round Washer Head Screw With Lock 4x8mm'. (screw x1) **NEW**



6-8. Attach the Reinforcement Stay A, and fasten the screw hole 'a' in the photo/diagram below with 'Round Washer Head Screw With Lock 4mmx8mm', and screw hole 'b' with 'Round Washer Head Screw 4mmx6mm'. (screw x2) **NEW**



Model: Perfect Binder GB5000

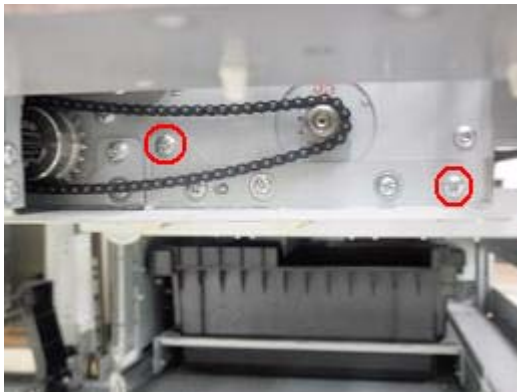
Date: 09-Jun-11

No.: RD391034

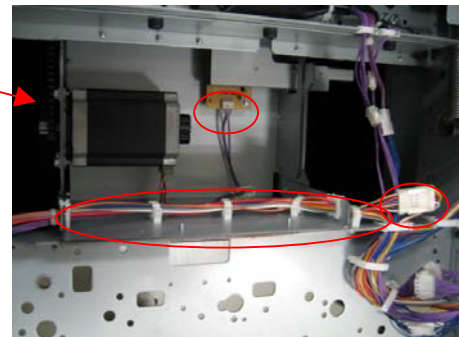
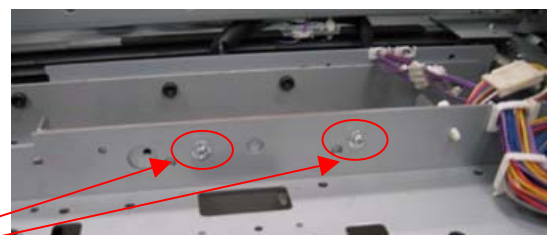
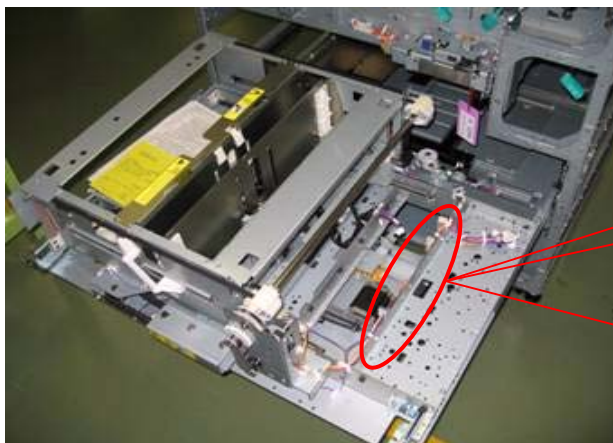
6-9. Fasten the hexagonal screws removed in step '4-5'. (screw x5) **REUSE**



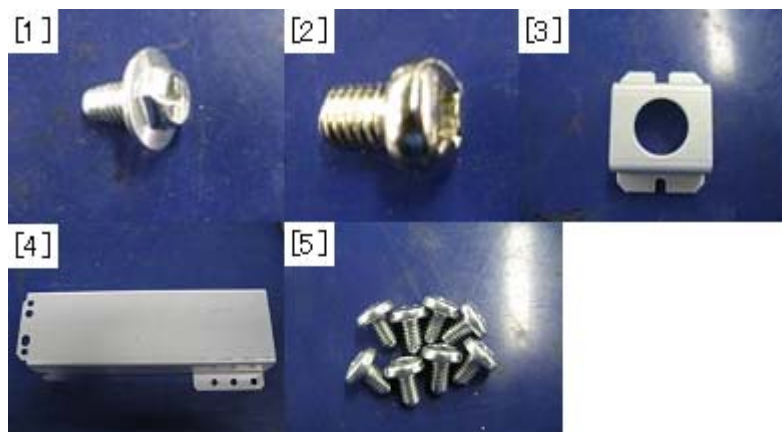
6-10. Attach the plate and fasten with the round head screws removed in step '4-2'. (screw x2) **REUSE**



6-11. Fasten the hexagonal screws removed in step '4-9'. (screw x2) **REUSE**
Connect the two connectors and lock the harness clamps.



6-12. Slide in the Trimmer Unit, fasten the 6 screws removed in step '3-16', and reattach the jam clear knob Mk10 to complete the procedure.

7. Discarded Parts

[1] Screw (hexagonal type): 1pc

[2] Screw: 1pc

[3] Bracket: 1pc

[4] Stay: 1pc

[5] Round Head Screw: 8pcs

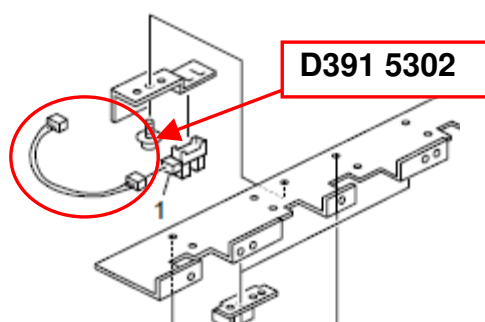
Model: GB5000 (Perfect Binder)		Date: 19-Aug-2011	No.: RD391035
Subject: Newly Registered Service Parts		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce the newly registered service parts.

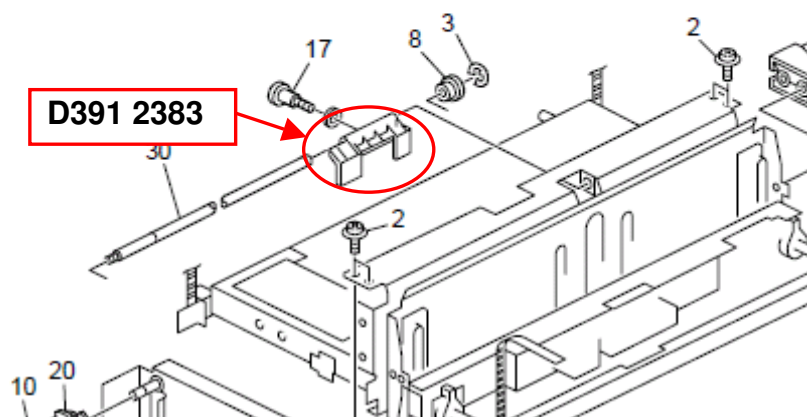
Please apply the following additions to your parts catalog.

New part number	Description	Q'ty	Int	Page	Index	Note
D391 5302	HARNESS:LEFT:PF4140K781	1	-	137	18	Add
D391 2383	VIBRATING PLATE:PF4140Q043	1	-	155	33	Add
D391 2382	TENSION SPRING:PF4140Q141	1	-	165	29	Add
D391 5320	HARNESS:SENSOR:STACK:PF4140K954	1	-	183	15	Add
D391 5323	HARNESS:CONNECTING:PF4140K955	1	-	183	16	Add

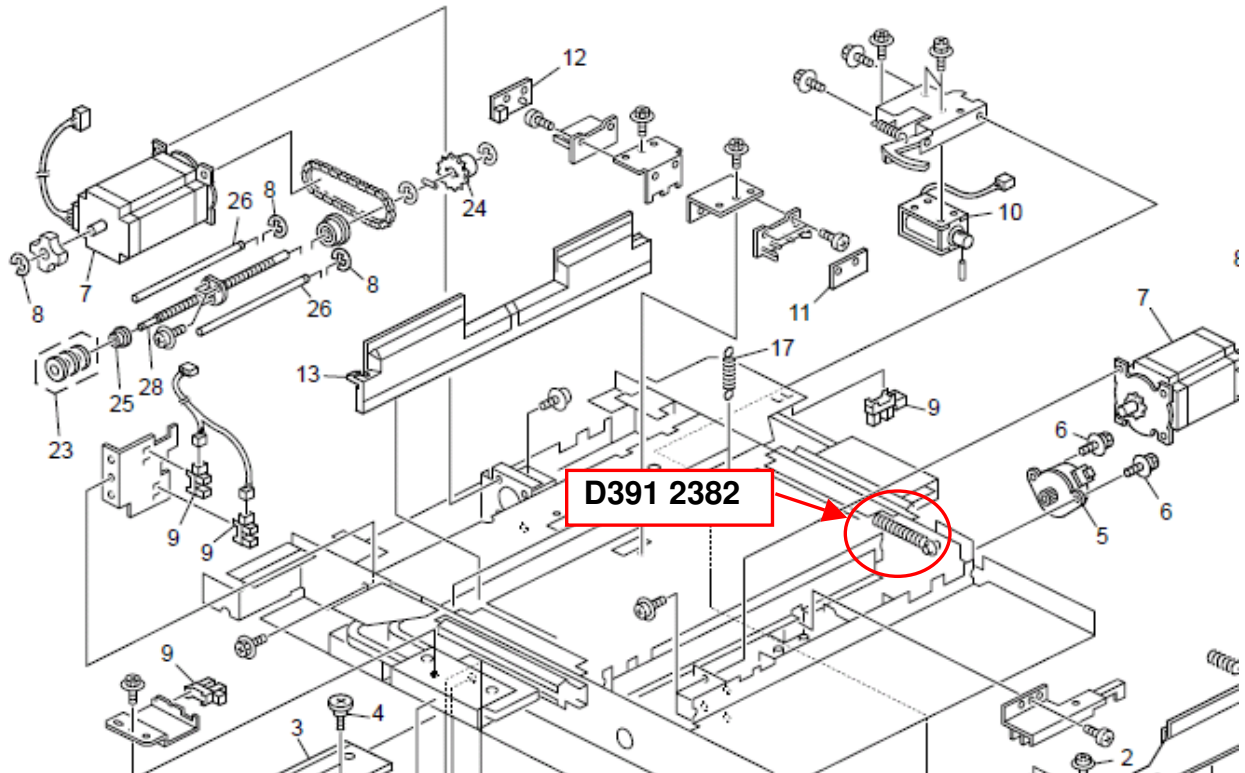
68.Rear Folder Section 1 (D391)



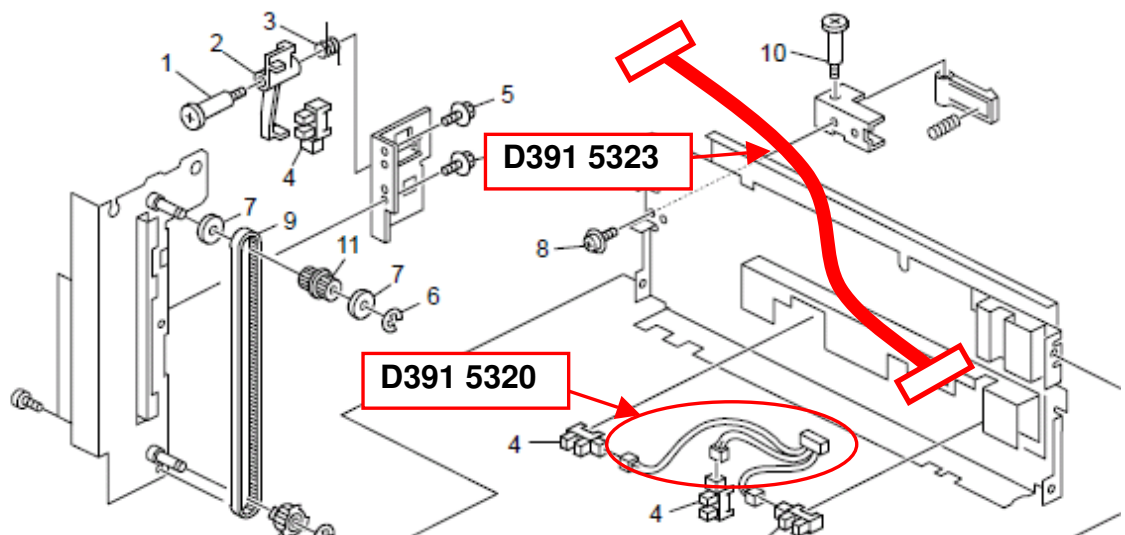
77.Stack Rotation Section 2 (D391)



82.Trimming Section 1 (D391)



91.Book Stacking Section 5 (D391)



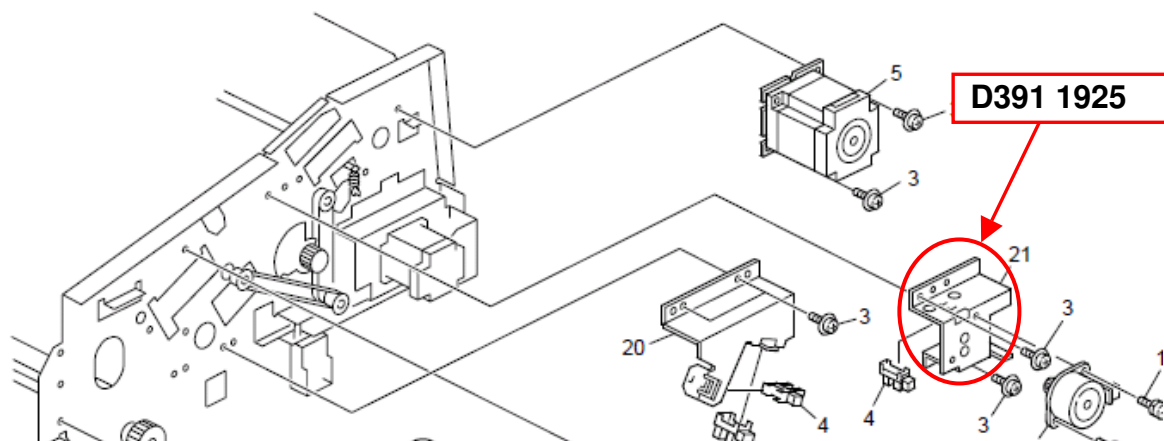
Model: GB5000 (Perfect Binder)		Date: 21-Sep-2011	No.: RD391036
Subject: New Part Numbers for Signature Delivery Switchback Gear/Bracket		Prepared by: M. Abe	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Change: Shape of the switchback flapper gear and the accompanying bracket

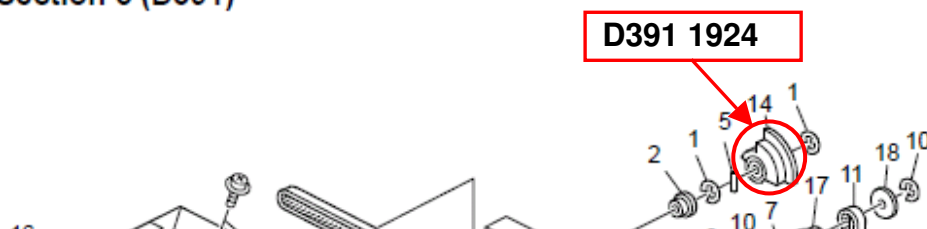
Reason: For higher reliability

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
D391 1796		BRACKET: DC STEPPER MOTOR: PF4140P202	1	-	61	21	Change
	D391 1925	BRACKET: DC STEPPER MOTOR: PF4140P202C					
D391 1504		GEAR:SWITCHBACK:PF4140P201A2	1	-	63	14	Change
	D391 1924	GEAR:SWITCHBACK:PF4140P201B					

30.Signature Delivery Section 4 (D391)



31.Signature Delivery Section 5 (D391)



IMPORTANT

If replacement is to take place for the above parts, replace the gear (D3911924) and bracket (D3911925) as a set.

Reissued: 10-Oct-11

Model: Perfect Binder GB5000	Date: 20-Jun-08	No.: RD391001e
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: Firmware Release Note: P-Binder_B1		Prepared by: J.Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the **P-Binder_B1**.

Version	Program No.	Effective Date
<i>0.340:13</i>	<i>D3915020F</i>	<i>July 2011 production</i>
0.320:11	D3915020E	June 2010 production
0.310:11	D3915020D	October 2009 production
0.280:11	D3915020C	September 2009 production
0.23:08	D3915020B	Dec 2008 production
0.20	D3915020A	1st Mass production
1.19		

Version	Modified Points or Symptom Corrected
<i>0.340:13</i>	<i>Symptoms Corrected: Thermistor disconnection is not detected and causes paper path sensor lag jams or SC990.</i>
0.320:11	Specification changes - This modified F/W will add the new line speed to apply a new mainframe.
0.310:11	Symptom Corrected: - Print operation cannot restart after recovering a jam caused by sheets fed from the inserter of the Perfect Binder.
0.280:11	Symptoms Corrected: 1. Machine stalls when jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer. 2. SC797-36 occurs when making a booklet using 19.2 inch size cover. Note: When applying this firmware, ensure the other firmware versions are as below (or newer). If firmware versions are not as indicated below, please update firmware. P-Binder_B1:D3915020C:Ver0.28 P-Binder_B2:D3915070B:Ver0.19 P-Binder_B3:D3915730A:Ver0.13 P-Binder_B4:D3915120B:Ver0.15 P-Binder_B5:D3915170A:Ver0.25

Reissued: 10-Oct-11**Model: Perfect Binder GB5000****Date: 20-Jun-08****No.: RD391001e**

Version	Modified Points or Symptom Corrected
0.23:08	<p>Note :</p> <p>Where this firmware is to be used, ensure other firmware versions are as below (or newer).</p> <p>If firmware versions are not as indicated below, please update firmware.</p> <p>P-Binder_B1 : D3915020B : Ver0.23 P-Binder_B2 : D3915070B : Ver0.19 P-Binder_B3 : D3915730A : Ver0.13 P-Binder_B4 : D3915120A : Ver0.14 P-Binder_B5 : D3915170A : Ver0.25</p> <p>Symptom Corrected:</p> <ul style="list-style-type: none">• The exchange message doesn't disappear even if the counter is cleared in the service mode after the Glue Heater is exchanged.• When a Z-Fold Unit is connected right after a Perfect Binder, the main machine doesn't recognize the Z-Fold Unit or anything behind it.
0.20 1.19	1st Mass production

Reissued: 10-Oct-11

Model: Perfect Binder GB5000	Date: 20-Jun-08	No.: RD391004c
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: Firmware Release Note: P-Binder_B4		Prepared by: J.Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other ()		

This RTB has been issued to announce the firmware release information for the **P-Binder_B4**.

Version	Program No.	Effective Date
<i>0.180:00</i>	<i>D3915120D</i>	<i>July 2011 production</i>
0.160:00	D3915120C	June 2010 production
0.150:00	D3915120B	September 2009 production
1.19	D3915120A	1st Mass production

Version	Modified Points or Symptom Corrected
<i>0.180:00</i>	<i>Symptoms Corrected:</i> <i>SC797-20 (Electrical Short in the Gluing Unit) is issued when turning on the machine power in an LL (low temp low humidity) environment despite no shortage in the gluing unit.</i>
0.160:00	Symptoms Corrected: 1. Contamination on the cover sheet While creating the paper bundle, the rotating signature exit rollers could cause contamination to the booklet cover. Therefore, this modified F/W will stop the rotation of the signature exit rollers during that. 2. Trimmings falling into the book buffer tray If the trimmings disposal box is opened during the cut, the location of the box could be dislocated and cause the trimmings to fall onto the book buffer tray. Therefore, this modified F/W will constantly adjust to confirm proper location of the disposal box. IMPORTANT - This P-Binder_B4:D3915120C:Ver0.160:00 must be simultaneously updated with P-Binder_B5:D3915170C:Ver0.28:00.
0.150:00	Symptoms Corrected: 1. Machine stalls when jam occurs at either the relay unit of the Perfect Binder or the Cover Interposer. 2. SC797-36 occurs when making a booklet using 19.2 inch size cover. Note :

Reissued: 10-Oct-11

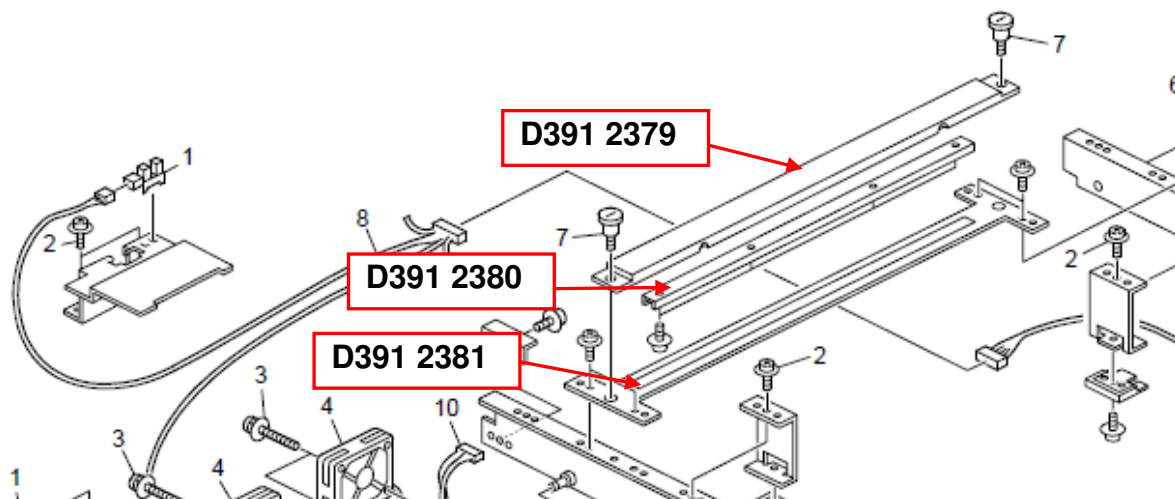
Model: Perfect Binder GB5000		Date: 20-Jun-08	No.: RD391004c
Version	Modified Points or Symptom Corrected		
	<p>When applying this firmware, ensure the other firmware versions are as below (or newer).</p> <p>If firmware versions are not as indicated below, please update firmware.</p> <p>P-Binder_B1 :D3915020C :Ver0.28 P-Binder_B2 :D3915070B :Ver0.19 P-Binder_B3 :D3915730A :Ver0.13 P-Binder_B4 :D3915120B :Ver0.15 P-Binder_B5 :D3915170A :Ver0.25</p>		
1.19	1st Mass production		

Model: GB5000 (D391 Perfect Binder)		Date: 13-Feb-2012	No.: RD391037
Subject: Newly registered service parts		Prepared by: M. Abe	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce the newly registered service parts.

New P/N	Description	Q'ty	Int	Page	Index	Note
D391 2379	BRACKET:BACK PLATE:PF4140P523	1	-	141	12	Add
D391 2380	BACK PLATE:SUPPORTING PLATE:PF4140Q725	1	-	141	13	Add
D391 2381	BACK PLATE:PF4140P527	1	-	141	14	Add

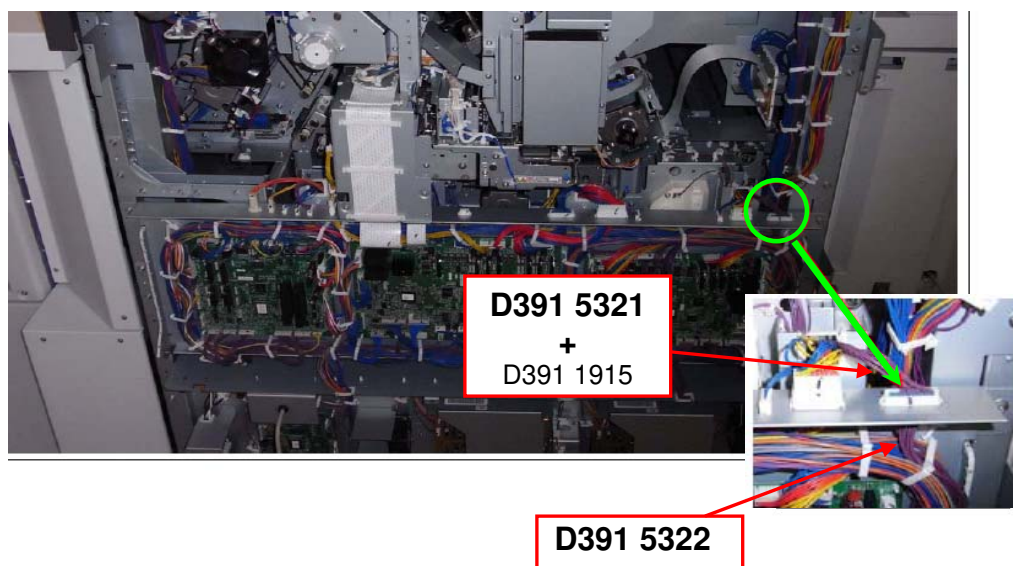
70.Rear Folder Section 3 (D391)



Model: GB5000 (D391 Perfect Binder)	Date: 13-Feb-2012	No.: RD391037
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New P/N	Description	Q'ty	Int	Page	Index	Note
D391 5321	HARNESS:SENSOR:ON-OFF: LEFT: PF4140K674	1	-	* See note	-	Add
D391 5322	HARNESS:SENSOR:MASTER:PF4140K670	1	-	* See note	-	Add

NOTE: Diagrams for D391 5321 and D391 5322 are not available.
Please refer to the photographs for the location of these parts.



The harnesses connected to the upper side of the connector consist of harnesses D3915321 and D3911915.

D3915322 is the harness connected to the bottom side of the connector.

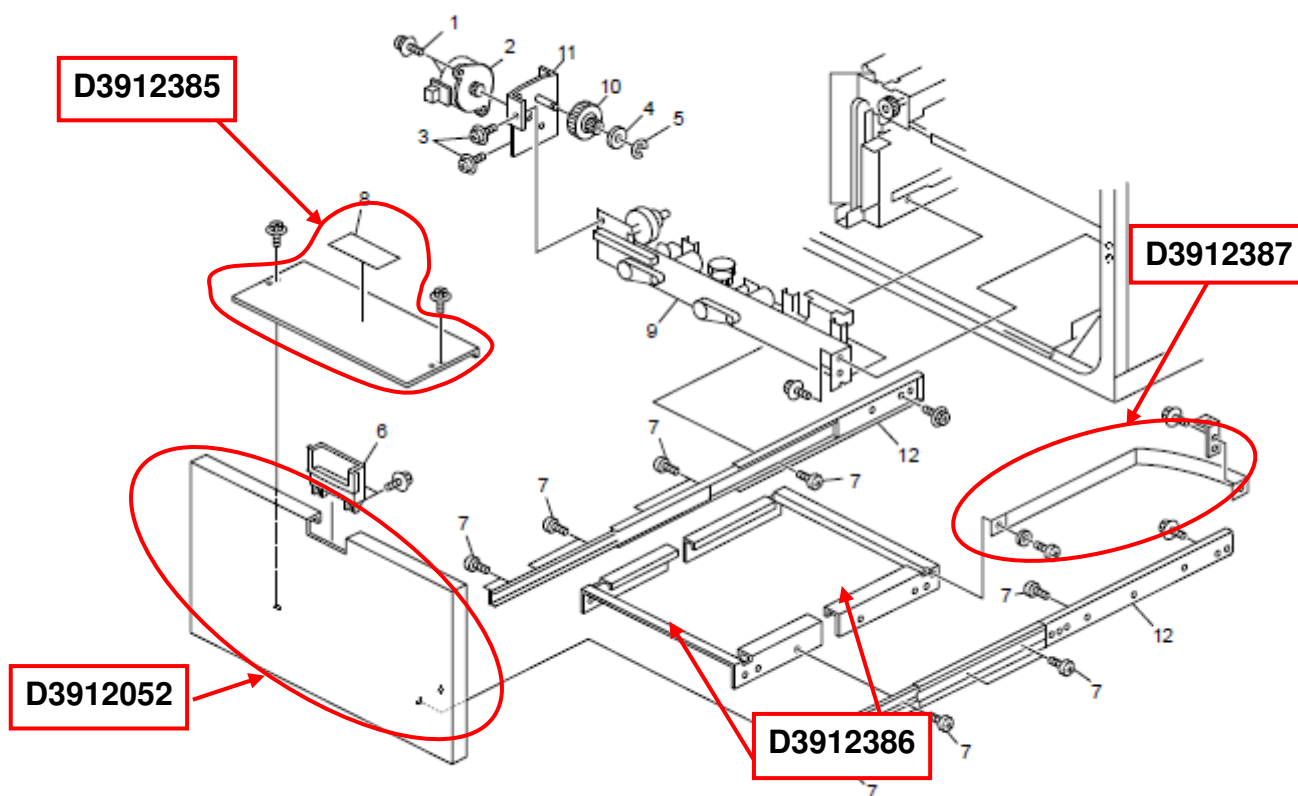
Model: GB5000 (D391 Perfect Binder)

Date: 13-Feb-2012

No.: RD391037

New P/N	Description	Q'ty	Int	Page	Index	Note
D391 2385	INNER COVER:PULL OUT:PF4155K500	1	-	167	14	Add
D391 2386	STAY:PF4140K969	1	-	167	15	Add
D391 2387	BAND:STOPPER:PF4140Q460	1	-	167	16	Add
D391 2052	DUST COVER:FRONT:PF4155Q502	1	-	167	13	Add

83.Waste Paper Case Section 1 (D391)



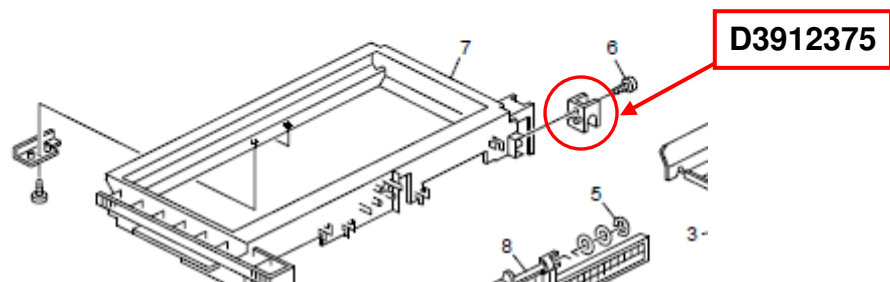
Model: GB5000 (D391 Perfect Binder)

Date: 13-Feb-2012

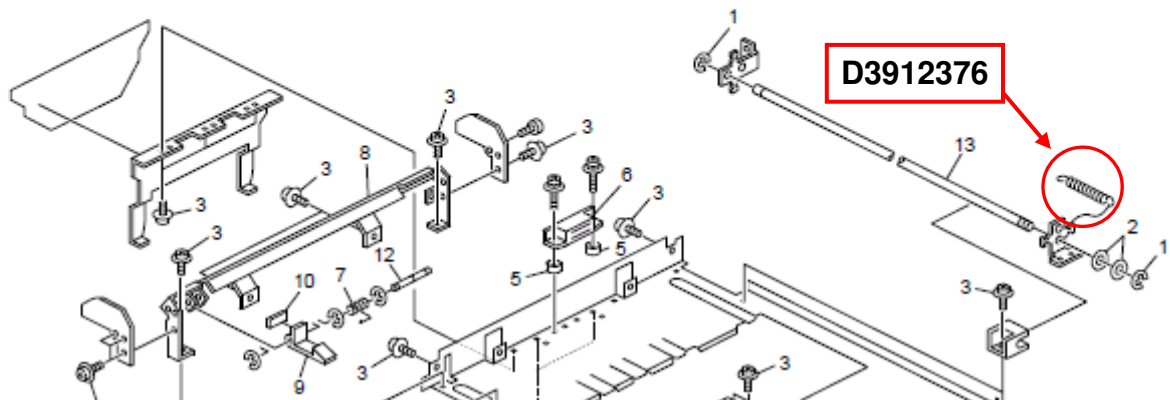
No.: RD391037

New P/N	Description	Q'ty	Int	Page	Index	Note
D391 2375	SLIDER:PF4140Q025	1	-	171	9	Add
D391 2376	TENSION SPRING:PF4140Q007	1	-	173	14	Add

85.Waste Paper Case Section 3 (D391)



86.Waste Paper Case Section 4 (D391)



Model: GB5000 (Perfect Binder)		Date: 27-Mar-2012	No.: RD391038
Subject: Parts catalog correction		Prepared by: M. Abe	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

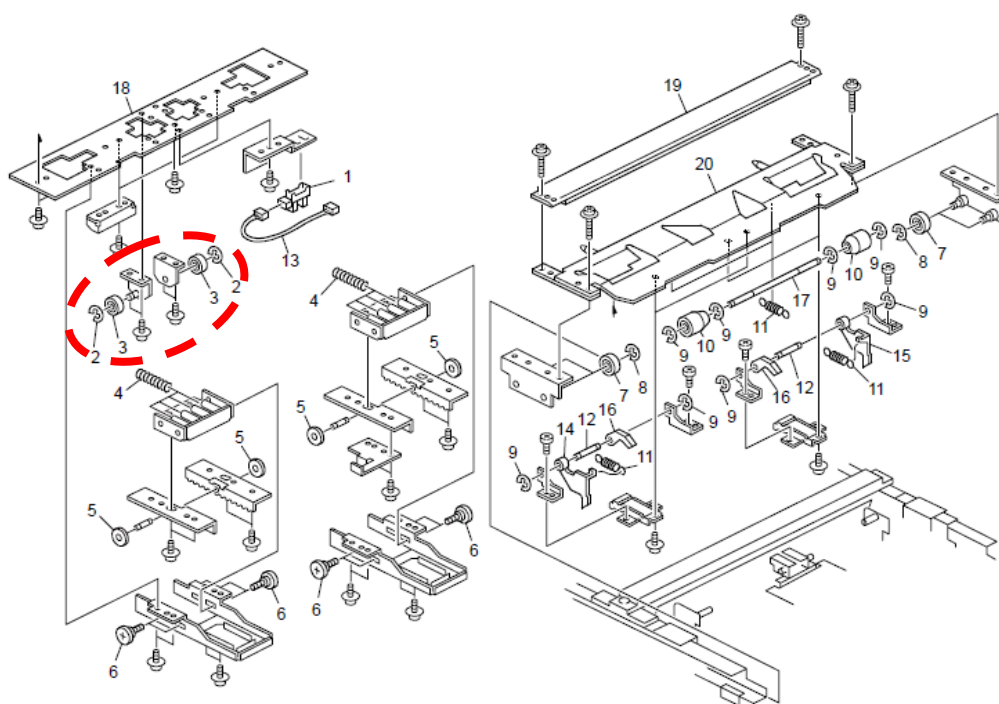
Please apply the following corrections to your parts catalog.

Correction 1

Pages 136, 137, 138, & 139

Location of the parts circled in red is incorrect.

69.Rear Folder Section 2 (D391)

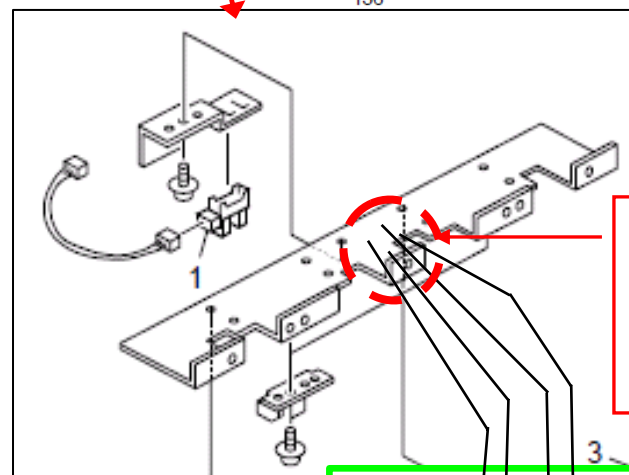
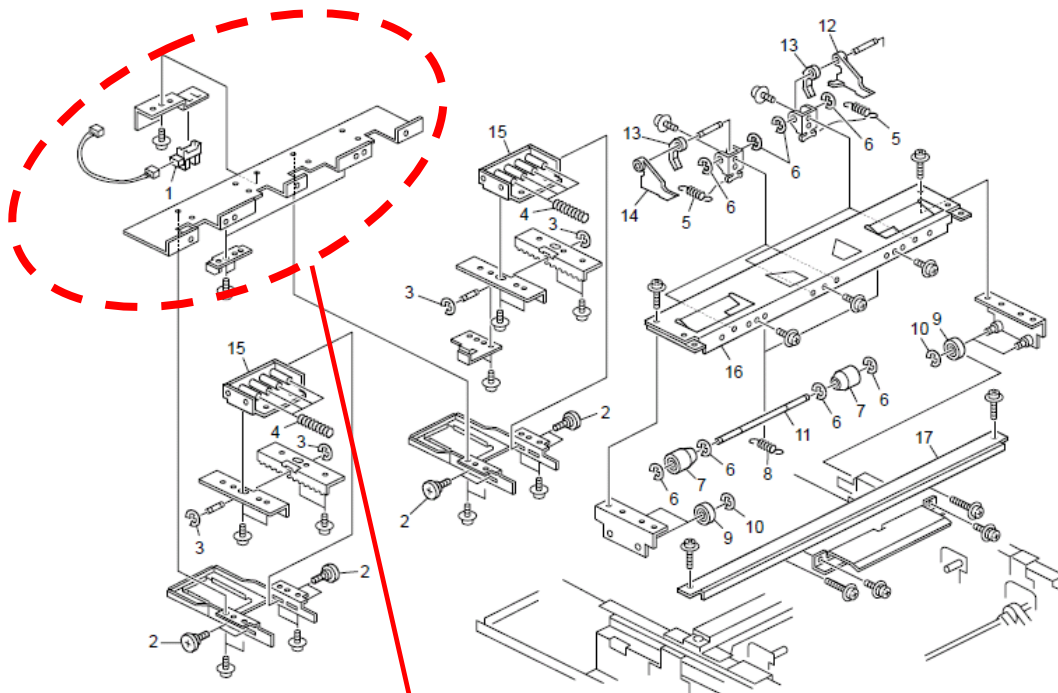


138

The correct location of these parts is as shown on the following page.

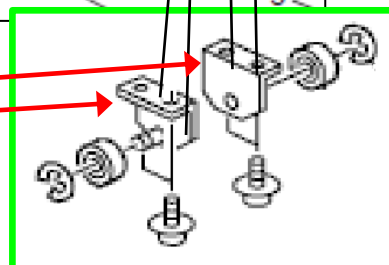
The brackets have been registered as service parts with the part number D3911647.

68.Rear Folder Section 1 (D391)



Note that the drawing of this plate is incorrect. There are 4 screw holes on this plate to fix the brackets (D3911647).

D391 1647



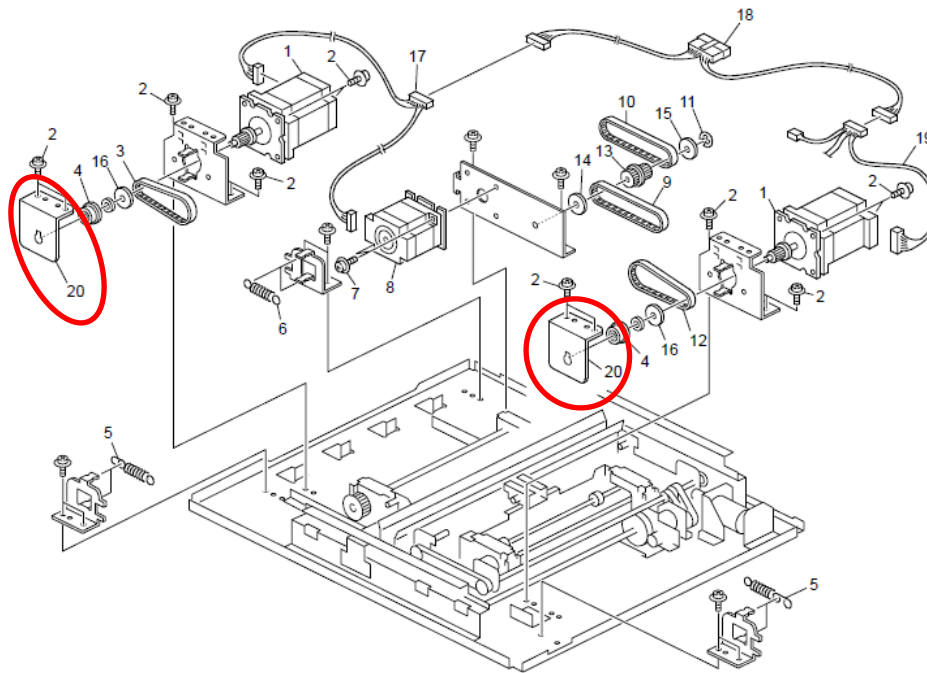
New P/N	Description	Q'ty	Int	Page	Index	Note
D391 1647	BRACKET:PLATE:PF4140K076	1	-	137	19	Add

Correction 2

Pages 142, 143

The following brackets indexed 20 are described as D3912181, but this is a mistake. These brackets are not registered as service parts. (D3912181 is registered for the bracket indexed 11 on page 144.)

71.Rear Folder Section 4 (D391)



Model: GB5000 (Perfect Binder)

Date: 27-Mar-2012

No.: RD391038

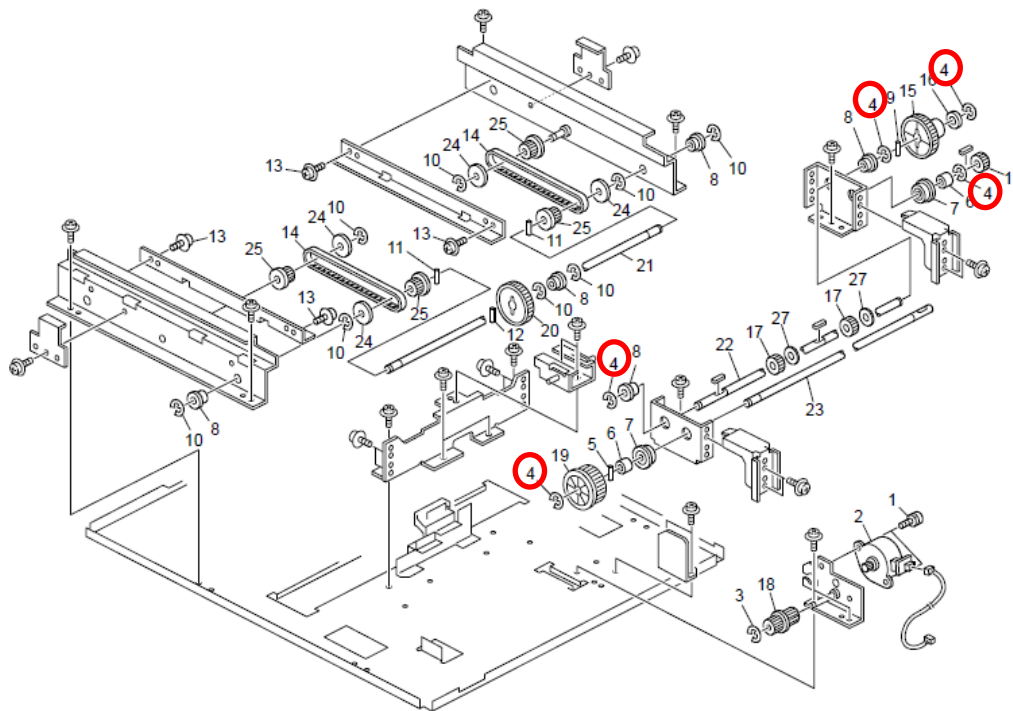
Correction 3

Pages 148, 149

The 5 E-type retaining rings indexed 4 should be indexed 10.

(These 5 retaining rings are D3911151, not D3911148.)

74.Bundle Feed Section 3 (D391)



148

74.Bundle Feed Section 3 (D391)

Index No.	Part No.	Description	Q'ty Per Assembly
1	D391 1114	Washer:M3x6:030060FWSW	2
2	D391 5296	DC Stepper Motor:PF4140R405	1
3	D391 1150	Retaining Rings-E:DIA5:ER050SU-D	1
4	D391 1148	Retaining Rings-E:DIA3.2:ER032SU-D	5
5	D391 1160	Parallel Pin:3x14:HP030140SCH	1
6	D391 1141	Spacer:CL080050FW	2
7	D391 1231	Radial Ball Bearing:DIA8DIA12: NS-BRG00084B	2
8	D391 1108	Bushing:606262	5
9	D391 1161	Parallel Pin:3x16:HP030160SCH	1
10	D391 1151	Retaining Rings-E:DIA6.4:ER064SU-D	8
11	D391 1155	Parallel Pin:2x14:HP020140SCH	2
12	B660 4715	Parallel Pin:HP020120SCH	1
13	D391 1242	Tapping Screw:M3x6:NS-SCR00017B	4
14	D391 1179	Synchronous Belt:NS-BLT00138B	1
15	D391 1753	Gear:Z48:PF4140P971	1
16	D391 1754	Spacer:DIA16:PF4140P564	1
17	D391 1755	Gear:Z16:PF4140Q225	3
18	D391 1756	Gear:Z32/Z20:PF4140P588	1
19	D391 1757	Timing Pulley:T34:PF4140P555	1
20	D391 1758	Gear:Reverse Roller:Z60:PF4140P970	1
21	D391 1857	Shaft:Drive:Guide Plate:PF4140P501	1
22	D391 1859	Shaft:Gear:Drive:PF4140P508	1
23	D391 1860	Shaft:Timing Pulley:Drive:PF4140P509	1
24	D391 1681	Flange:22mm:PF4099P755	4
25	D391 1749	Timing Pulley:T14:PF4140P515	4
26	D391 1858	Shaft:Gear:Drive:PF4155P508	1
27	D391 2361	Spacer:PF4140P745	2

Delete

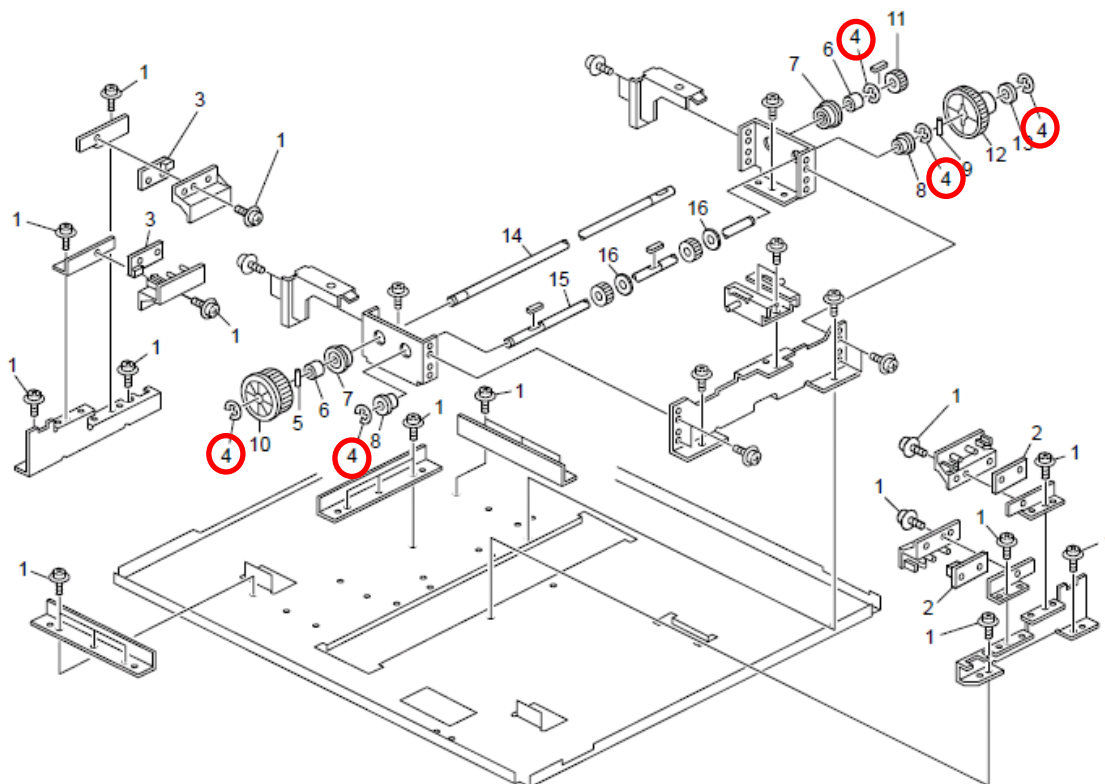
Q'ty: 8 → 13

Correction 4

Pages 150, 151

The 5 E-type retaining rings indexed 4 are D3911151, not D3911148.

75.Bundle Feed Section 4 (D391)



150

75.Bundle Feed Section 4 (D391)

Index No.	Part No.	Description	Q'ty Per Assembly
1	D391 1242	Tapping Screw:M3x6:NS-SCR00017B	21
2	D391 5282	Optics Sensor:Photo:PF4140K906	2
3	D391 5281	Optics Sensor:Radiate:PF4140K905	2
4	D391 1148	Retaining Rings-E:DIA3.2:ER032SU-D	5
5	D391 1160	Parallel Pin:3x14:HP030140SCH	1
6	D391 1141	Spacer:CL080050FW	2
7	D391 1231	Radial Ball Bearing:DIA8DIA12: NS-BRG00084B	2
8	D391 1108	Bushing:606262	2
9	D391 1161	Parallel Pin:3x16:HP030160SCH	1
10	D391 1757	Timing Pulley:T34:PF4140P555	1
11	D391 1755	Gear:Z16:PF4140Q225	1
12	D391 1753	Gear:Z48:PF4140P971	1
13	D391 1754	Spacer:DIA16:PF4140P564	1
14	D391 1860	Shaft:Timing Pulley:Drive:PF4140P509	1
15	D391 1859	Shaft:Gear:Drive:PF4140P508	1
16	D391 2361	Spacer:PF4140P745	2

D391 1151
RETAINING RINGS-E:
DIA6.4: ER064SU-D

Model: Katana-C4 (Bellini-C2)		Date: 18-May-2012	No.: RD059100
Subject: Correction on Perfect Binder (GB5000)'s supported paper thickness for signature		Prepared by: J. Ohno	
From: 1st PP Tech Service Section, PP Tech Service Dep.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following correction to your service manual in the section:

Specifications: Option 1 > Perfect Binder D391 > Perfect Binder (D391)

Perfect Binder (D391)

Compatible Host Machines	D059/D060/D061	
Paper Positioning	Center aligned	
Delivery	Face-down	
Signature Thickness	10 to 200 sheets (64 to 80 g/m ²) 10 to 150 sheets (81 to 105 g/m ²) Max. thickness: Up to 23 mm (0.9 in.)	
Paper Size	Signature	Width: 182 to 228.6 mm Length: 257 to 320 mm
	Cover	Width: 257 to 330.2 mm Length: 364 to 487.7 mm
Paper Thickness	Signature	64 to 163 g/m ²
	Cover	90 to 300 g/m ²
	Width	139.7 mm to 216 mm

Incorrect: 64 to 163gsm

Correct: 64 to 105gsm *

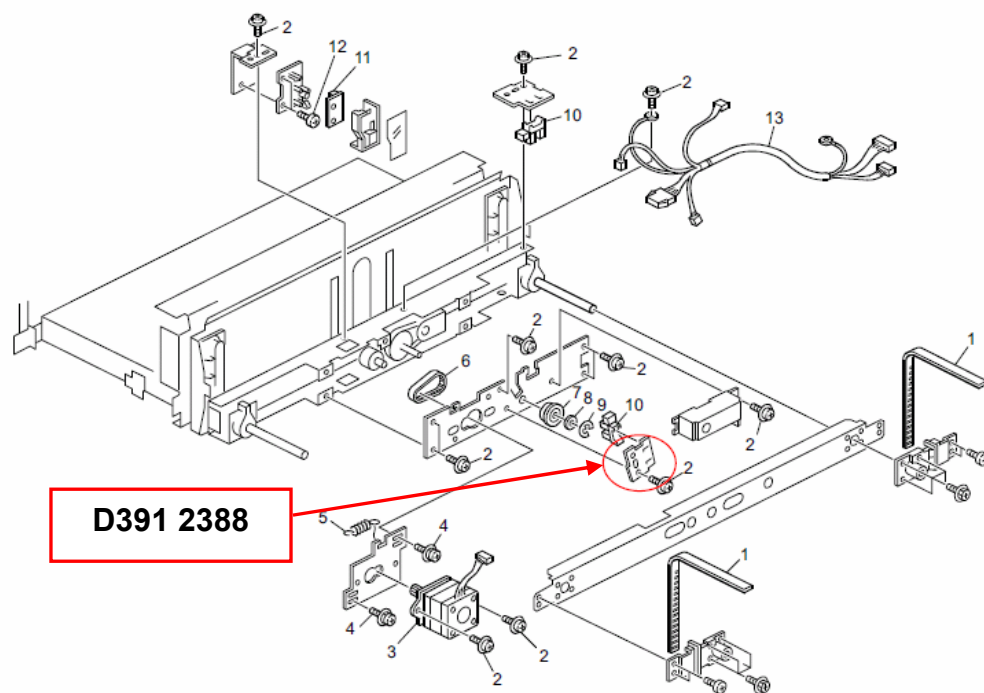
* 106 to 163gsm paper is available for slip sheets, however, limited to 10 sheets.

Model: Perfect Binder GB5000 (D391)		Date: 18-Jun-2012	No.: RD391039
Subject: Newly registered service parts		Prepared by: J. Ohno	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following parts have been added to the parts catalog to meet requests received from the field.

New P/N	Description	Q'ty	Int	Page	Index	Note
D391 2388	BRACKET:SENSOR:PRESSURE:PF4140Q256	1	-	157	14	Add

78.Stack Rotation Section 3 (D391)

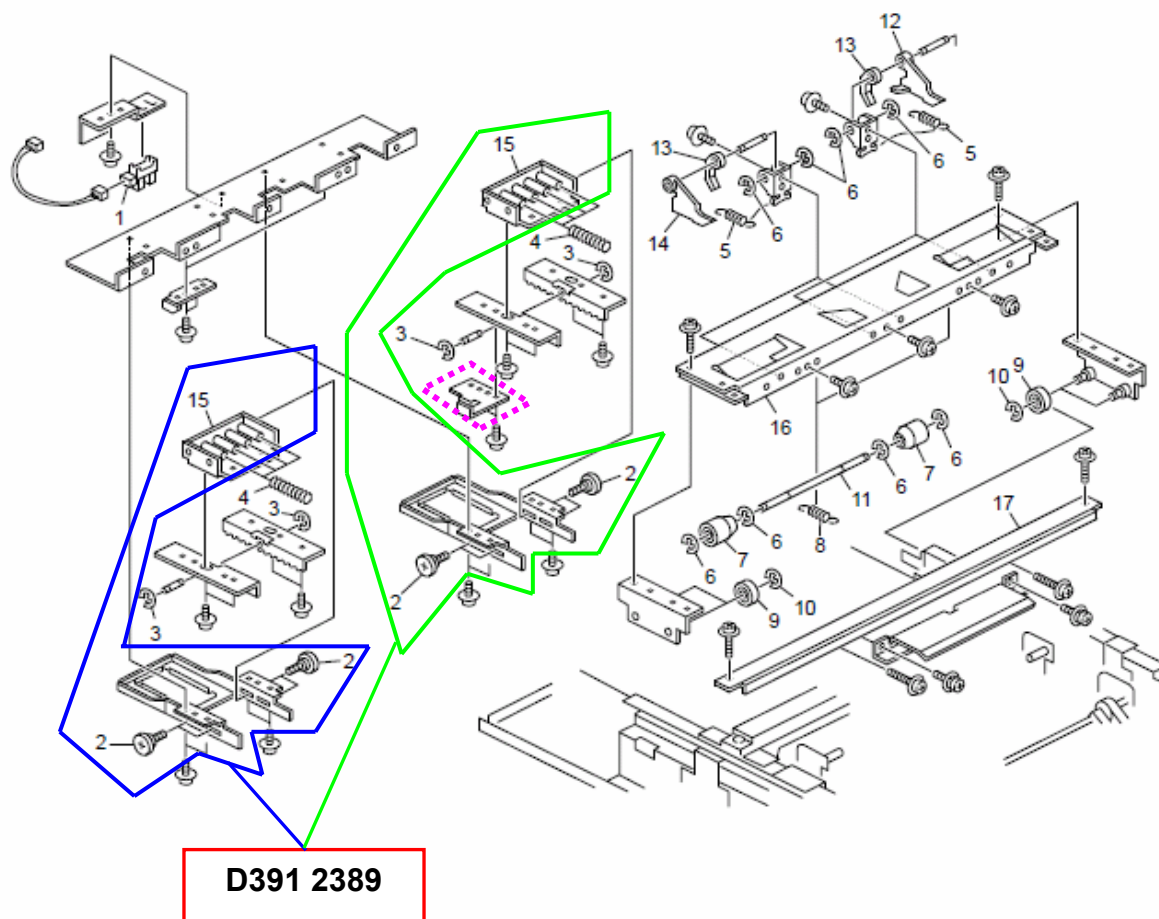


Model: Perfect Binder GB5000 (D391)

Date: 18-Jun-2012

No.: RD391039

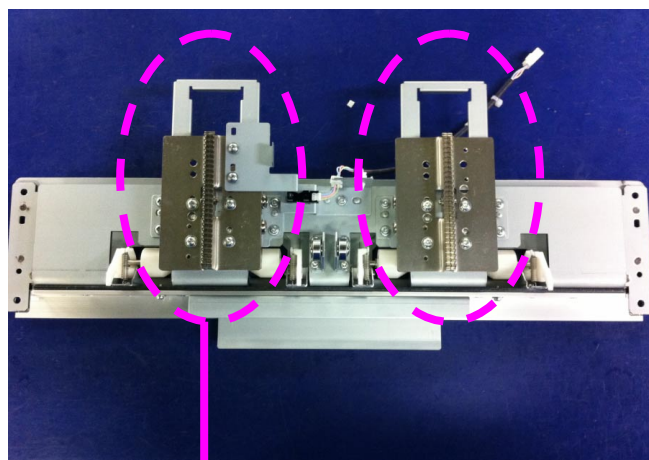
New P/N	Description	Q'ty	Int	Page	Index	Note
D391 2389	PRESSURE PLATE: REFLECTION: PF4140L270: ASS'Y	1	-	137	19	Add

68.Rear Folder Section 1 (D391)


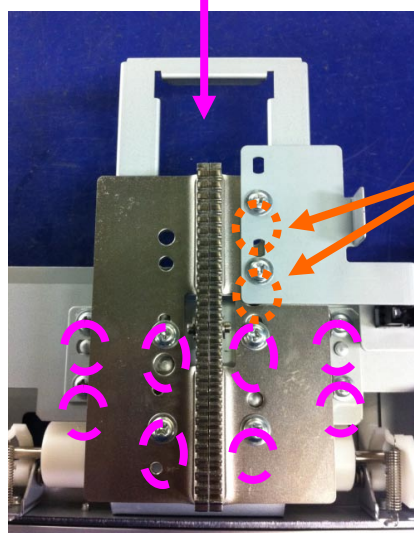
When replacing D3912389,

- DO NOT remove the bracket indicated in purple, and
- See the notes on the following page.

NOTES on replacing D391 2389

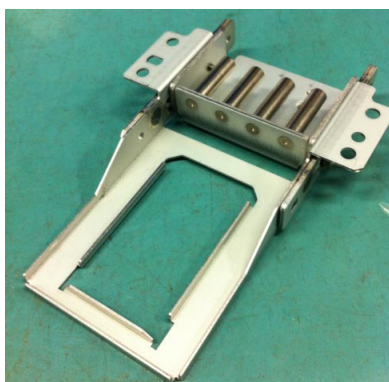


Remove the Rear Folding unit.



DO NOT remove these 2 screws.

Remove these 8 screws.
Do the same for both plates.



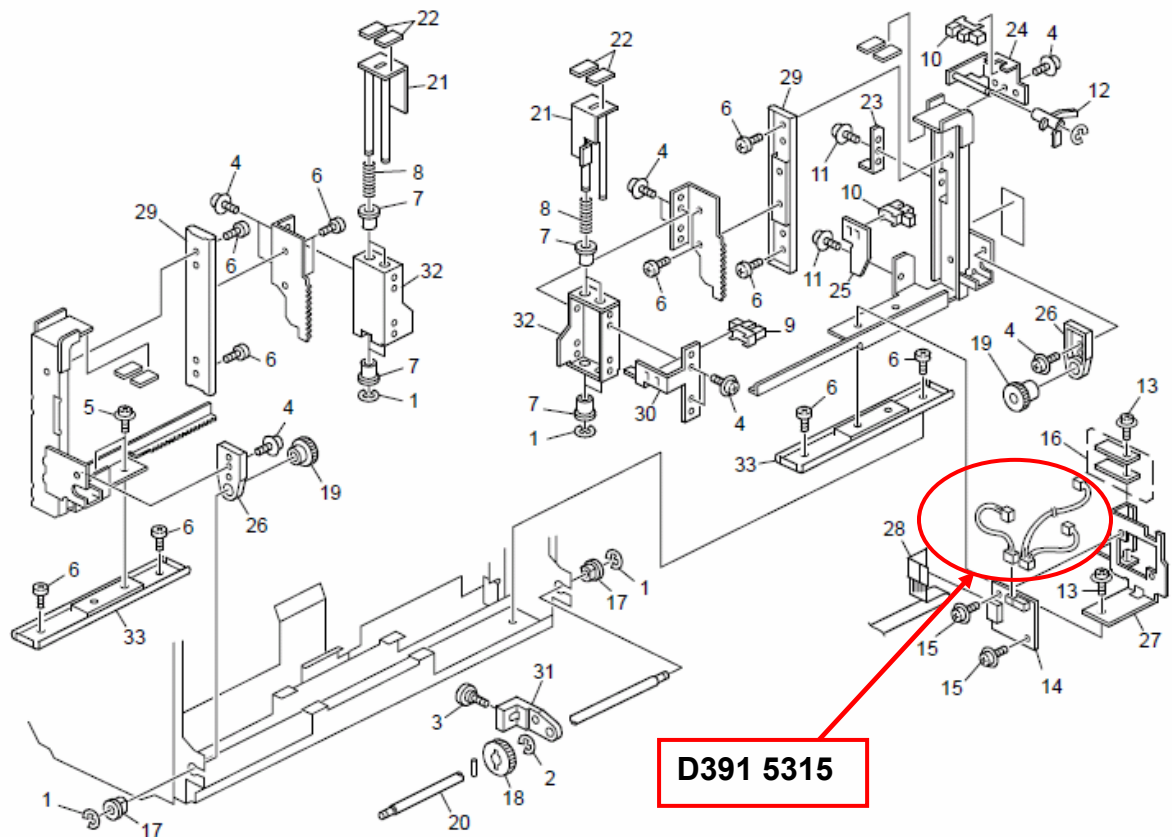
D391 2389
consists of these
two plates.

Model: Perfect Binder GB5000 (D391)

Date: 18-Jun-2012

No.: RD391039

New P/N	Description	Q'ty	Int	Page	Index	Note
D391 5315	HARNESS: PF4155K964	1	-	81	34	Add

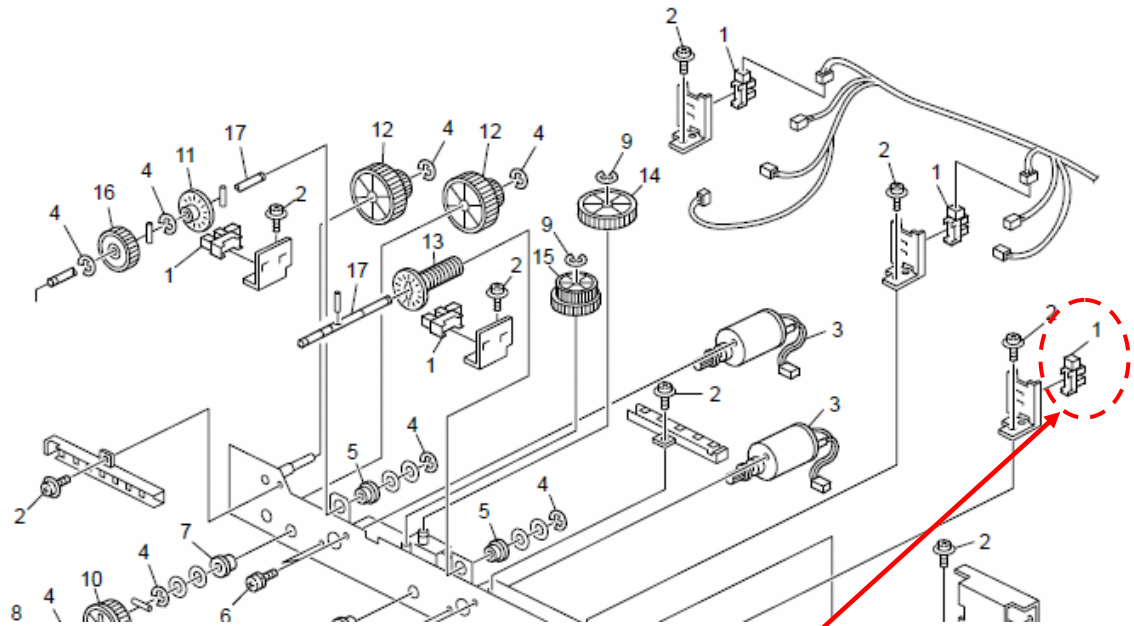
40.Sub Gripper Section 3 (D391)


Model: Perfect Binder GB5000 (D391)

Date: 18-Jun-2012

No.: RD391039

New P/N	Description	Q'ty	Int	Page	Index	Note
D391 2384	HARNESS:SENSOR:PF4140K969	1	-	169	18	Add

84.Waste Paper Case Section 2 (D391)


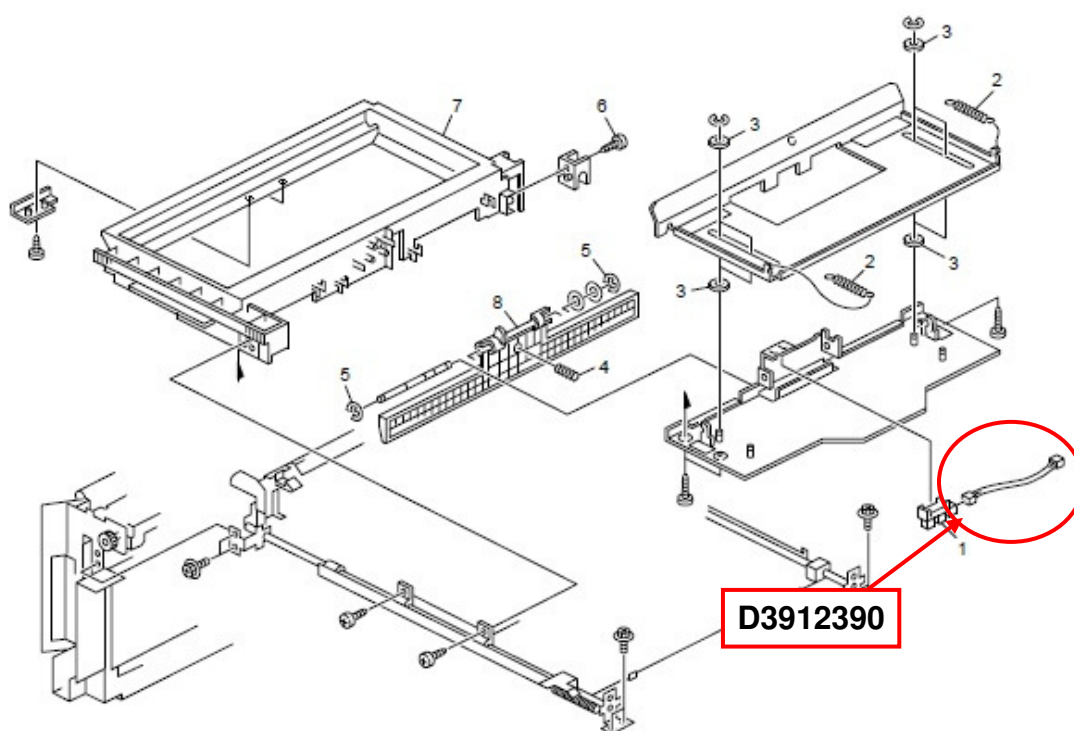
D391 2384 is the harness
that connects to this sensor.

Model: GB5000 (D391 Perfect Binder)		Date: 04-Jul-2012	No.: RD391040
Subject: P/N of Harness in Waste Paper Case section		Prepared by: J. Ohno	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

This RTB has been issued to announce the newly registered service parts.

New P/N	Description	Q'ty	Int	Page	Index	Note
D3912390	HARNESS:SENSOR:PF4140K936A	1	-	171	10	Add

85.Waste Paper Case Section 3 (D391)



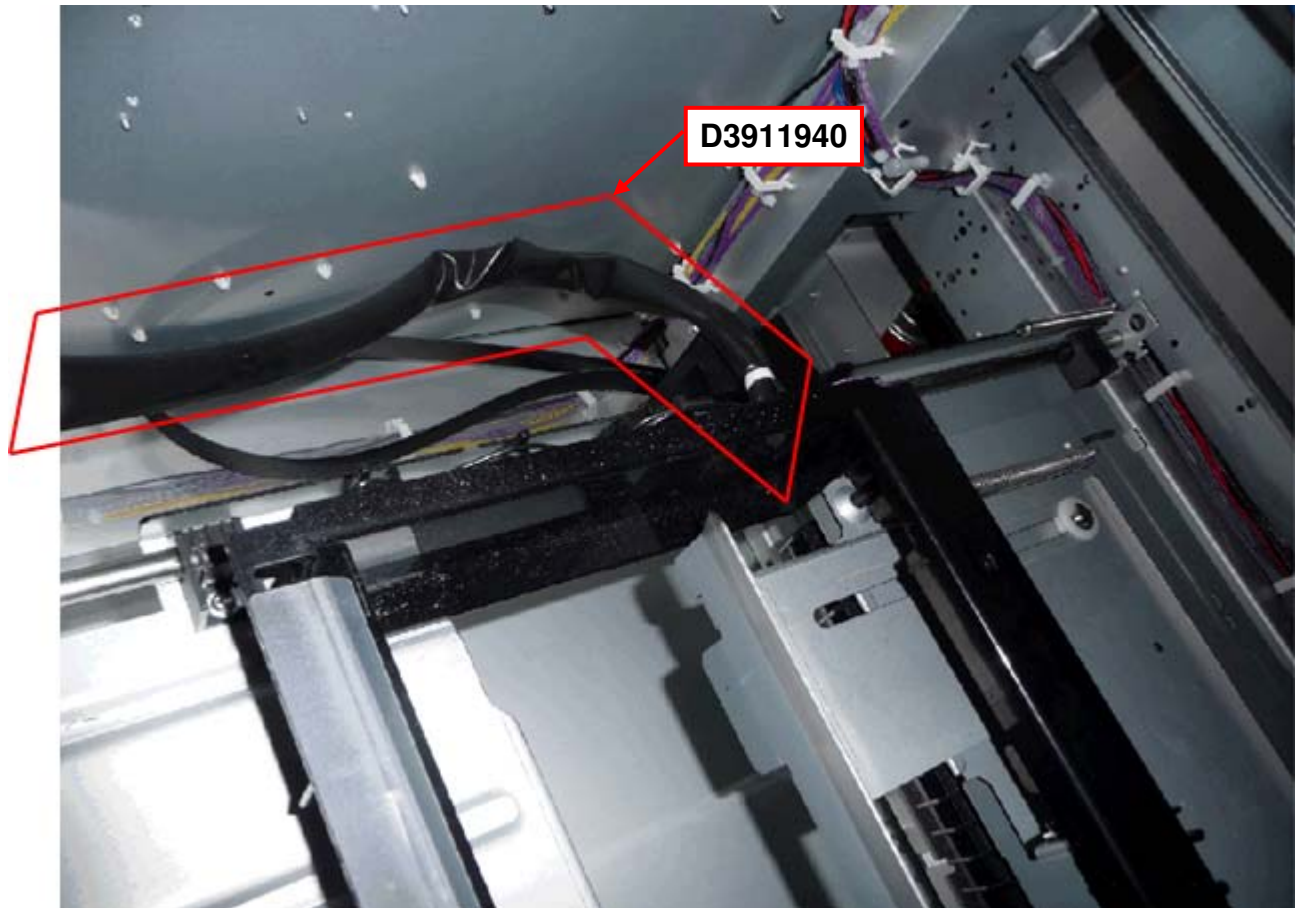
Model: GB5000 (D391 Perfect Binder)

Date: 04-Jul-2012

No.: RD391040

New P/N	Description	Q'ty	Int	Page	Index	Note
D3911940	HARNESS:SENSOR:PF4155K918	1	-	171	11	Add

D3911940 is the harness that connects to D3912390.

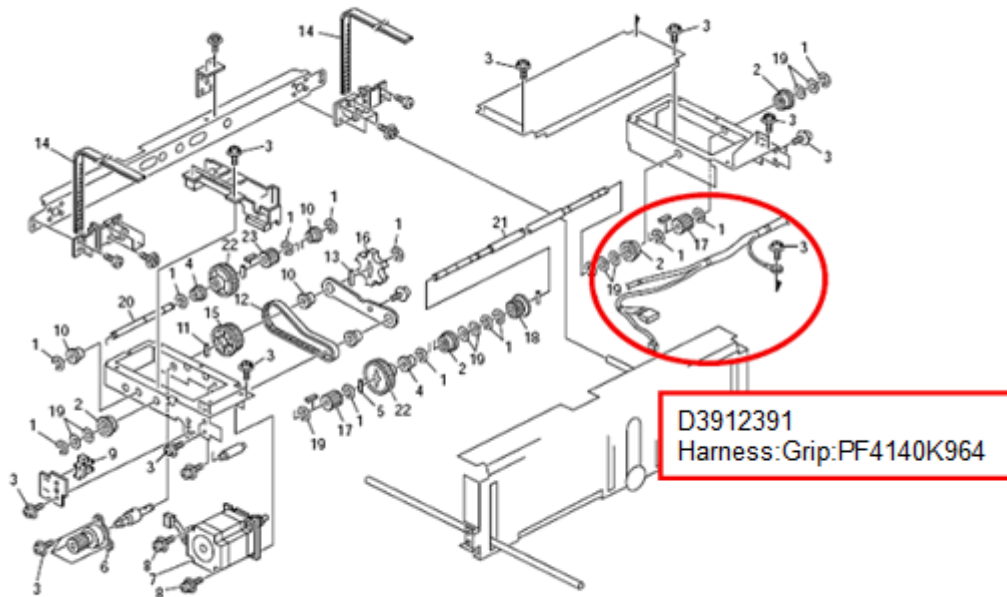


Model: Perfect Binder GB5000 (D391)		Date: 17-Aug-12	No.: RD391041
Subject: New service part – Harness Grip		Prepared by: Ayaka Takada	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The Harness Grip was registered as a service part to meet requests received from the field.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
-	D3912391	HARNESS:GRIP:PF4140K964	1		161	24	Add

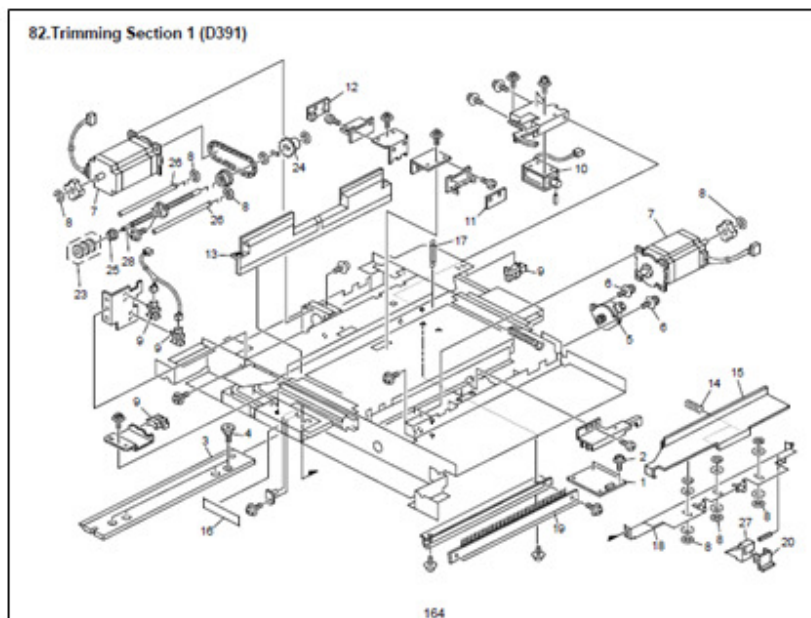
80.Stack Rotation Section 5 (D391)



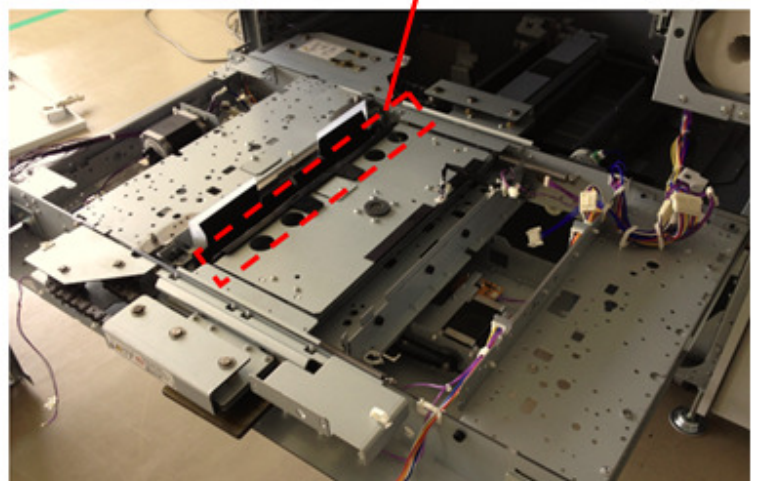
Model: Perfect Binder GB5000 (D391)		Date: 17-Aug-12	No.: RD391042
Subject: New service part – Edge Press Plate		Prepared by: Ayaka Takada	
From: PP Service Planning Department 1G			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The Edge Press Plate was registered as a service part to meet requests received from the field.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
-	D3912394	PRESSURE PLATE:PF4164K362A	1	-	165	30	Add



D3912394
PRESSURE PLATE:PF4164K362A



Model: Perfect Binder GB5000 (D391)

Date: 17-Aug-12

No.: RD391042



Model: Perfect Binder GB5000 (D391)	Date: 17-Aug-12	No.: RD391042
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Edge Press Plate



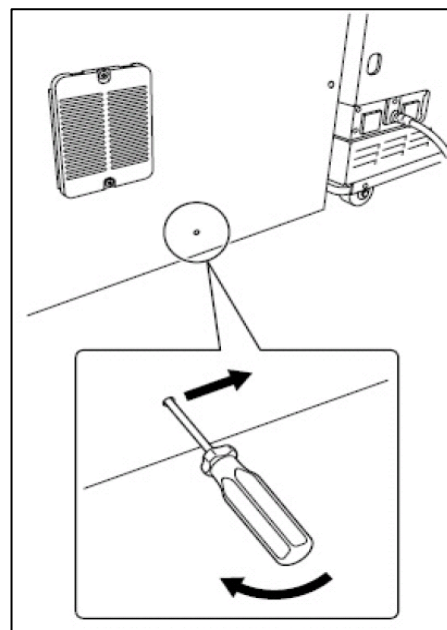
Follow the procedure described below when replacing the Edge Press Plate.

Required set of tools:

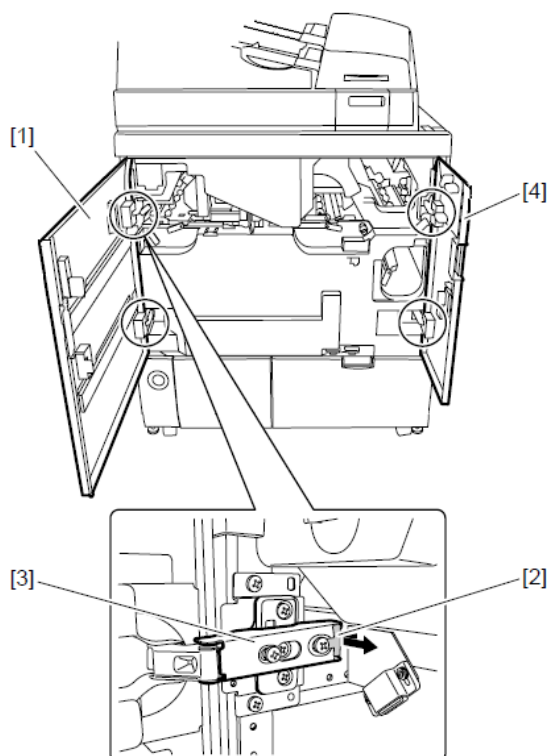
- Small screwdriver (to release the stacking tray lock)
- Screwdriver longer than 20cm (to remove the book rotation unit)
- Flathead screwdriver (to remove the old edge press plate)
- Alcohol (to clean the surface where the edge press plate attaches)
- Cloth (used with alcohol)

Replacement Procedure

1. Turn on the machine power.
2. Insert the tip of a small screwdriver into the small hole near the left rear corner of the bookbinder.
3. Move the screwdriver in the direction of the arrow to release the stacking tray lock.



4. Open the right front door and left front door.
5. Remove the top hinge and bottom hinge of the left door [1].
 - a) While holding the left front door with one hand, push the black lever [2] behind the top hinge in the direction of the arrow to release the top hinge [3].
 - b) Swing the top hinge out slightly.
 - c) While still supporting the left door with one hand, repeat the procedure to remove the bottom hinge.
 - d) Remove the left front door [1].
6. Similarly, remove the right front door [4]



Model: Perfect Binder GB5000 (D391)

Date: 17-Aug-12

No.: RD391042

7. Pull out the book stacking tray [1] and trimmings box [2].

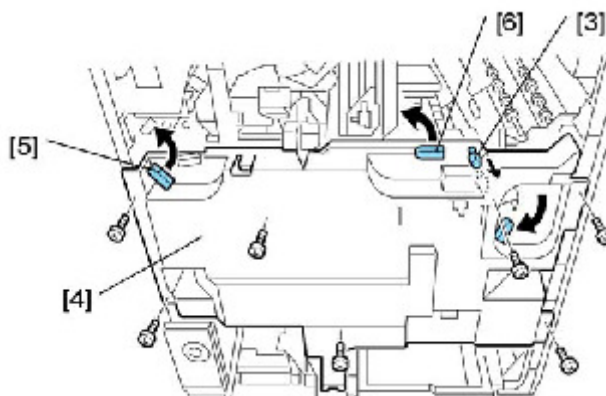


[1]

[2]

8. Remove the front lower cover.

- a) Pull off the jam clear knob Mk10 [3].
- b) Remove the screws of the lower inner cover [4] (x7).
- c) Raise the jam clear levers Mk8 [5] and Mk9 [6] as you remove the cover.
- d) Return the jam clear levers to their original positions.

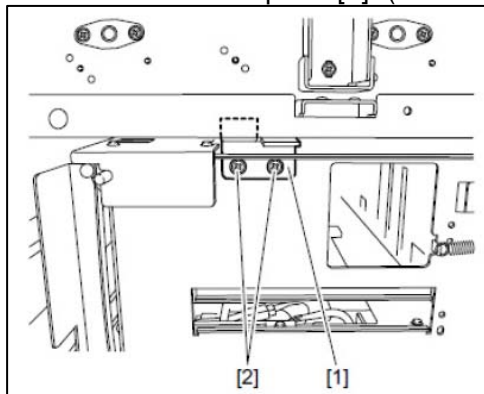


Model: Perfect Binder GB5000 (D391)

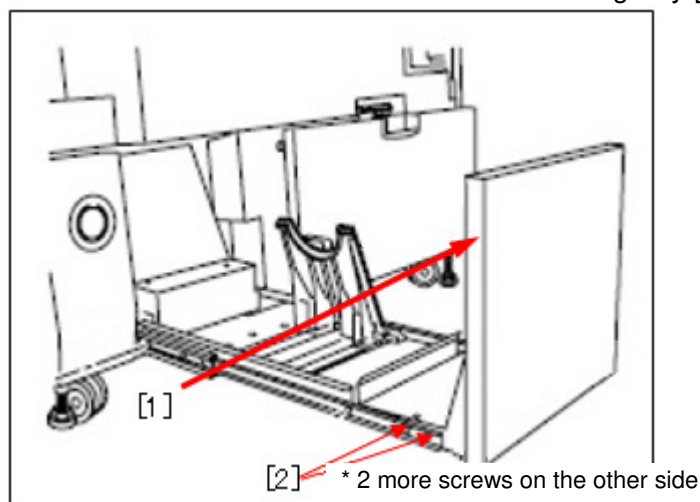
Date: 17-Aug-12

No.: RD391042

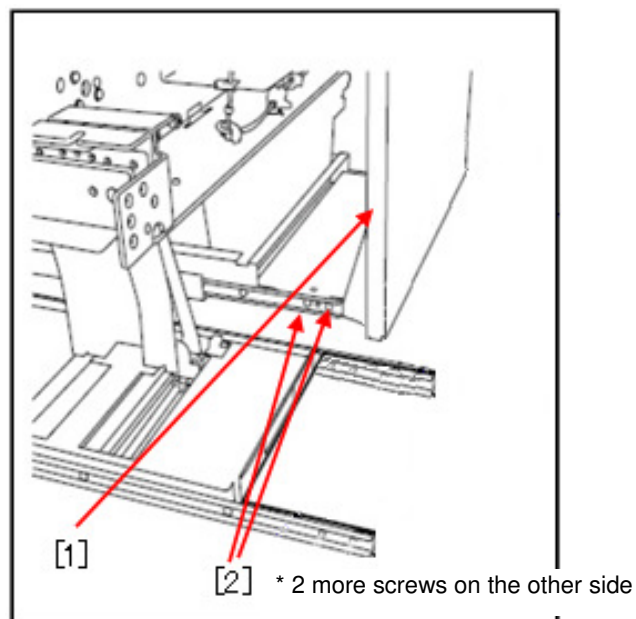
9. Remove the lock plate [1]. (screw x2)



10. Remove the front cover of the book stacking tray [1]. (screw x4)



11. Remove the Front Cover [1] of the book stacking tray. (screw x4)



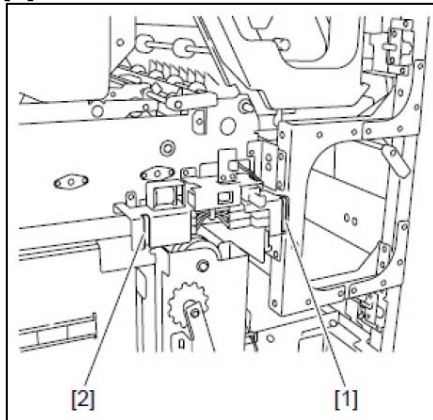
Model: Perfect Binder GB5000 (D391)

Date: 17-Aug-12

No.: RD391042

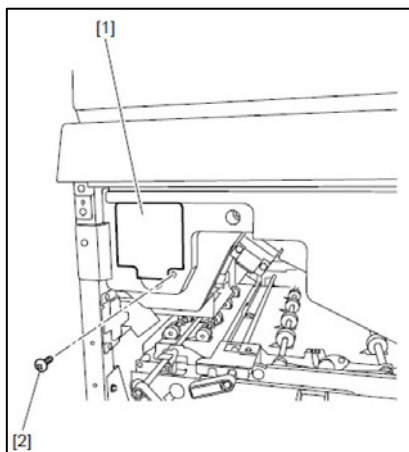
12. Set the book stacking tray and trimmings collection box.

13. Insert a piece of cardboard or folded piece of paper into the right and left door switches [1] and [2].



14. Plug the bookbinder power cable into its power source.

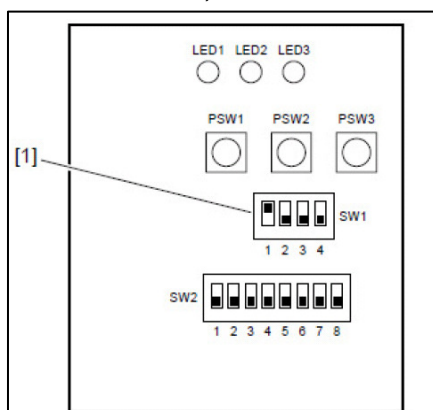
15. Remove the service board cover [1]. (screw x1).



Important

Make sure that the trimmer unit is inside the bookbinder. Before entering Service Mode the trimmer unit must be inside the machine.

16. On the SW1 bank, set DIP SW1 to ON.



Model: Perfect Binder GB5000 (D391)

Date: 17-Aug-12

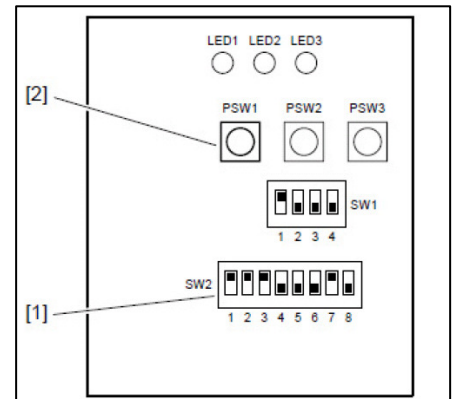
No.: RD391042

17. Turn the host machine on.

18. On the SW2 bank, set DIP SW [1] 1, 2, 3, and 7 to ON and press 'PSW1' [2].

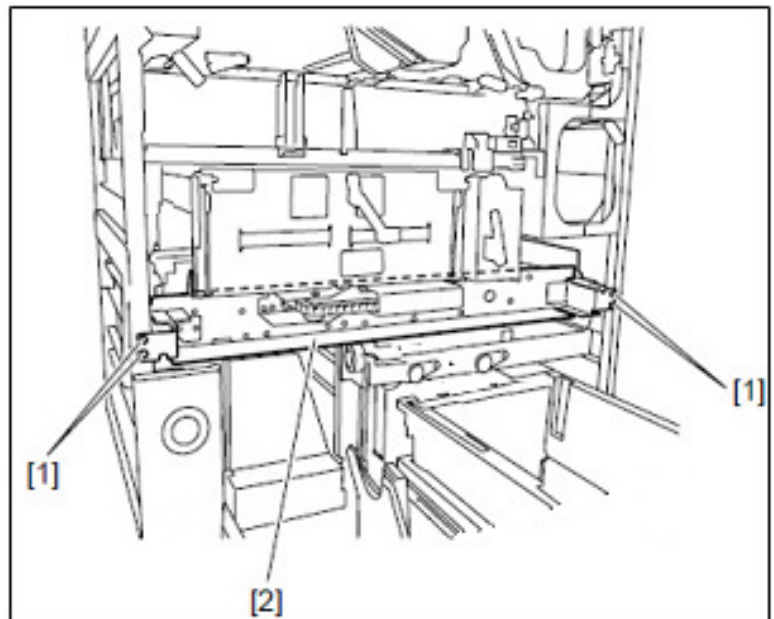
Important

Make sure your hands, loose clothing, and tools are well clear of the bookbinder.



19. Turn the host machine off and disconnect the host machine, bookbinder, and any other peripheral devices from the power supply and pull out the trimmer unit.

20. Remove the right and left braces fixing the trimmer unit [2]. (screw x4)



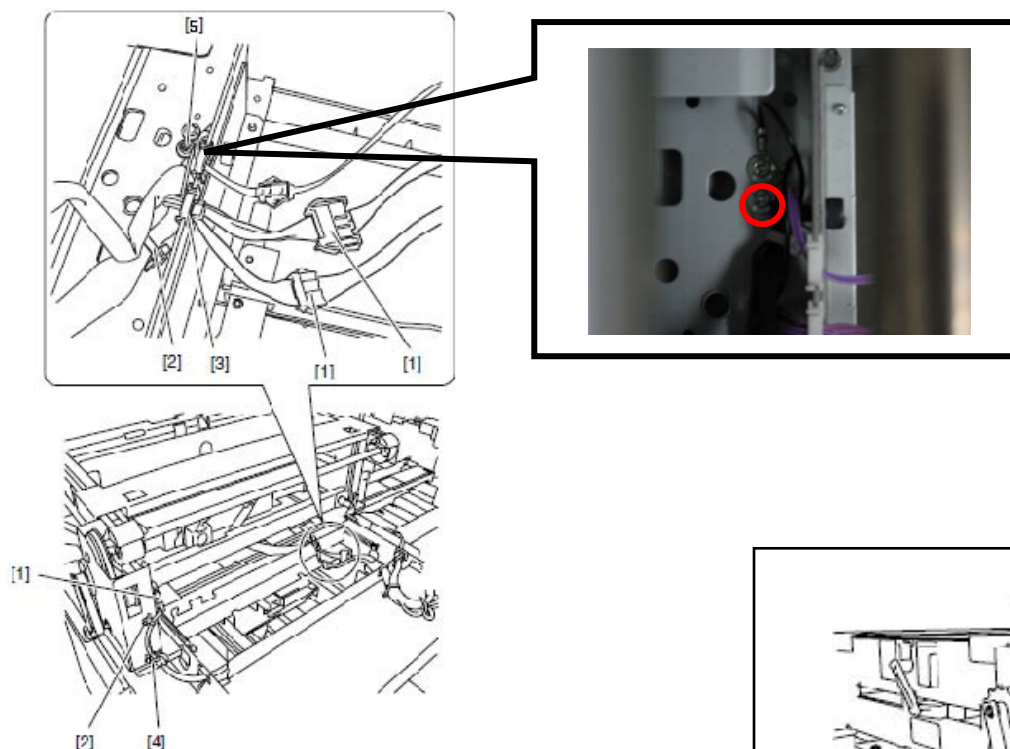
Model: Perfect Binder GB5000 (D391)

Date: 17-Aug-12

No.: RD391042

21. Remove the book rotation unit.

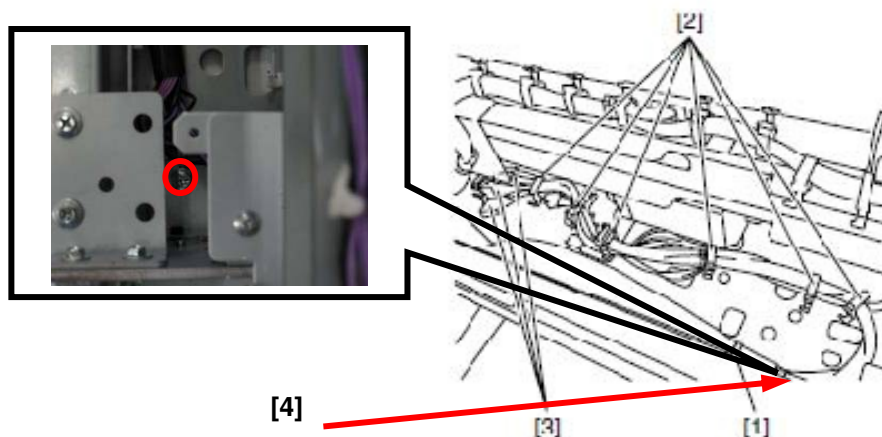
- a) Disconnect the 3 connectors [1] and release the 2 harness clamps [2] at the right side of the trimmer unit.
- b) Release the harnesses from the edge-saddle [3] and the wire-saddle [4].
- c) Remove the ground wire screw [5].



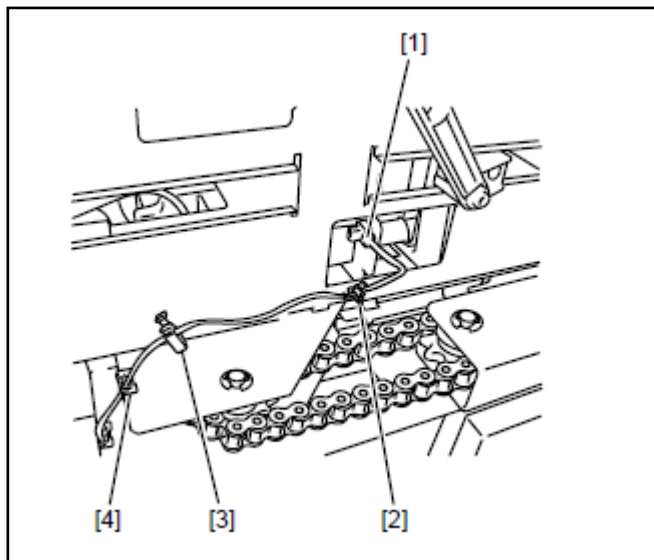
22. Remove the 2 screws [2] fixing the rotation unit with the support plate [1] with the rotation unit.

23. Release the brace at the left side of the trimmer unit.

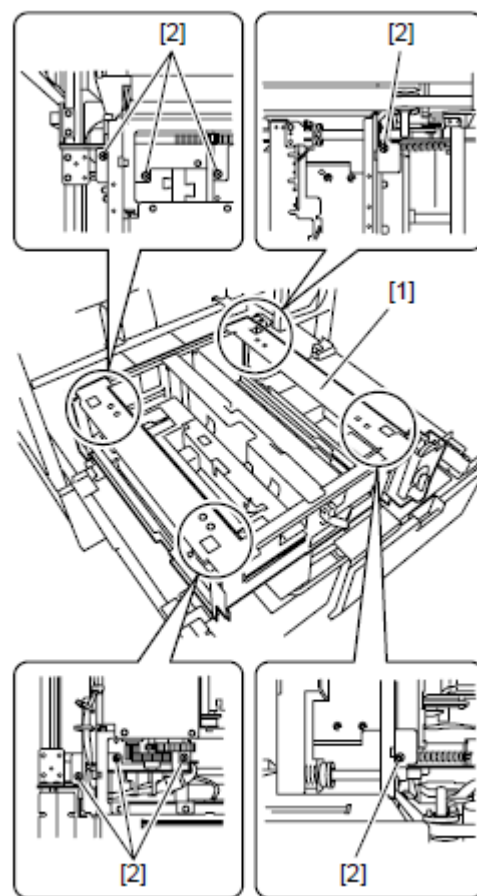
- a) Release the harness clamp [1].
- b) Release the harnesses from the wire-saddle [2].
- c) Disconnect the 3 connectors [3].
- d) Remove the ground wire screw [4].



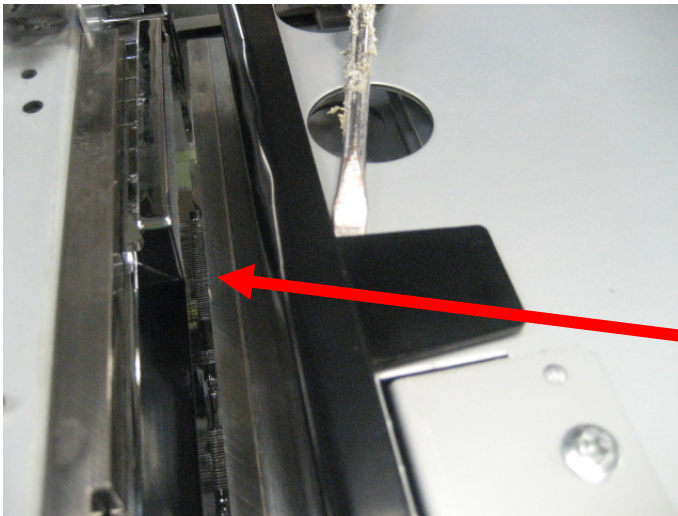
24. Release the brace at the front side of the trimmer unit.
- Disconnect the connector [1] and release the harness clamp [2].
 - Release the harnesses from the wire-saddle [3] and the edge-saddle [4].



25. Grip the right and left stays [2] and remove the book rotation unit [1]. (screw x8)



26. Remove the Edge Press Plate with a flathead screwdriver.

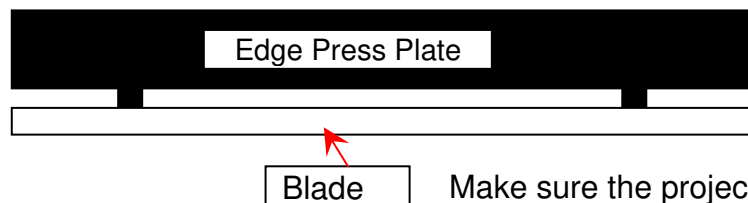
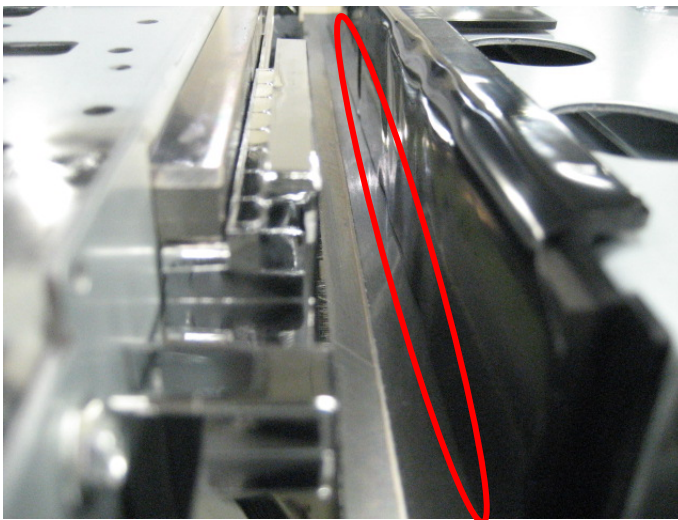


CAUTION!

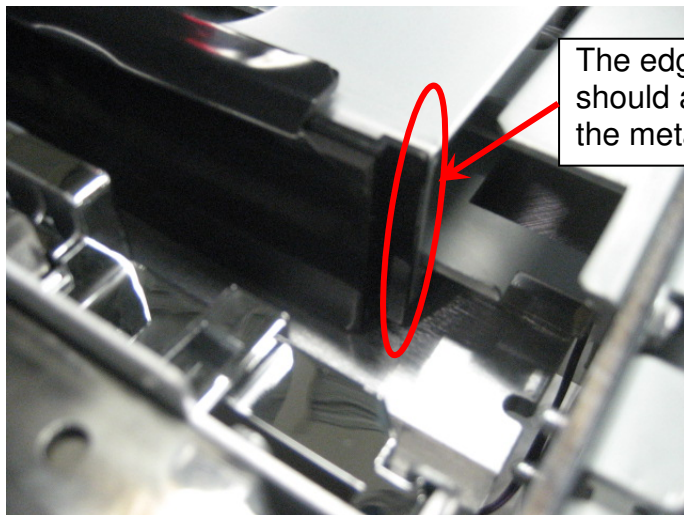
Work extra carefully to prevent injuries caused by the trimming blade.

27. Peel off the double-stick adhesive tape. Apply alcohol and clean the area where the old Edge Press Plate was attached with a piece of cloth.

28. Install the new edge press plate so that the 2 projections on the plate are in contact with the blade.



Make sure the projections are in contact with the blade.



The edge of the press plate should align with the edge of the metal plate.

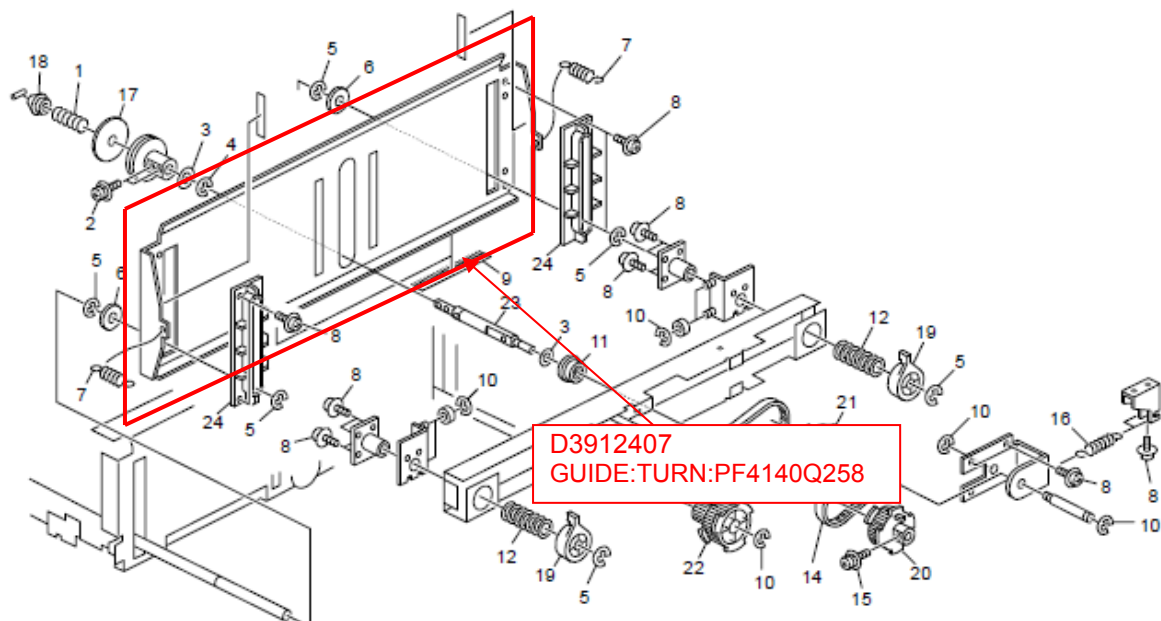
29. Reassemble the unit by following the above steps in the reverse order to complete the procedure.

Model: Perfect Binder GB5000 (D391)		Date: 18-Dec-2012	No.: RD391043
Subject: New service part – Stack rotation		Prepared by: J. Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

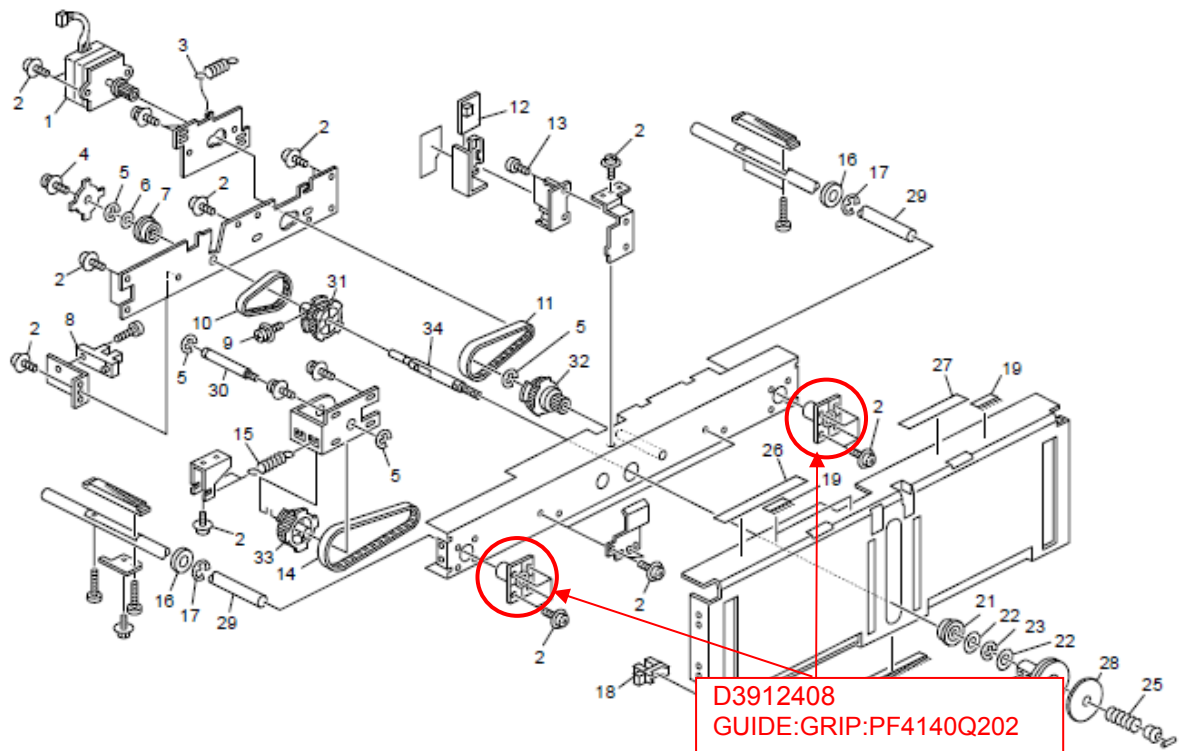
The following parts were registered as service parts to meet requests received from the field.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
-	D3912407	GUIDE:TURN:PF4140Q258	1	-	159	25	Add
-	D3912408	GUIDE:GRIP:PF4140Q202	2	-	163	35	Add

79.Stack Rotation Section 4 (D391)



81.Stack Rotation Section 6 (D391)

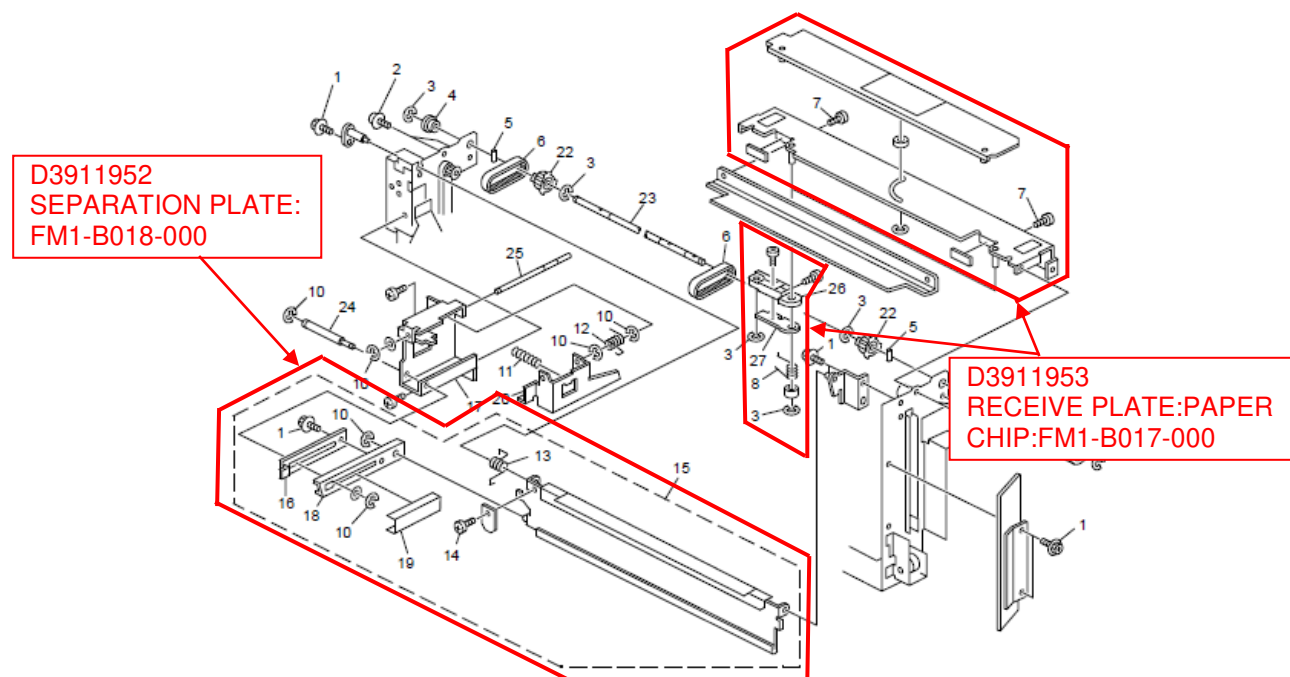


Model: Perfect Binder GB5000 (D391)		Date: 18-Apr-14	No.: RD391044
Subject: New service parts for better trimming removal		Prepared by: J. Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following parts were added/changed/deleted to prevent the trimmings from adhering to the trimmings buffer unit. Note that all 5 parts need to be replaced/added for this modification to take effect.

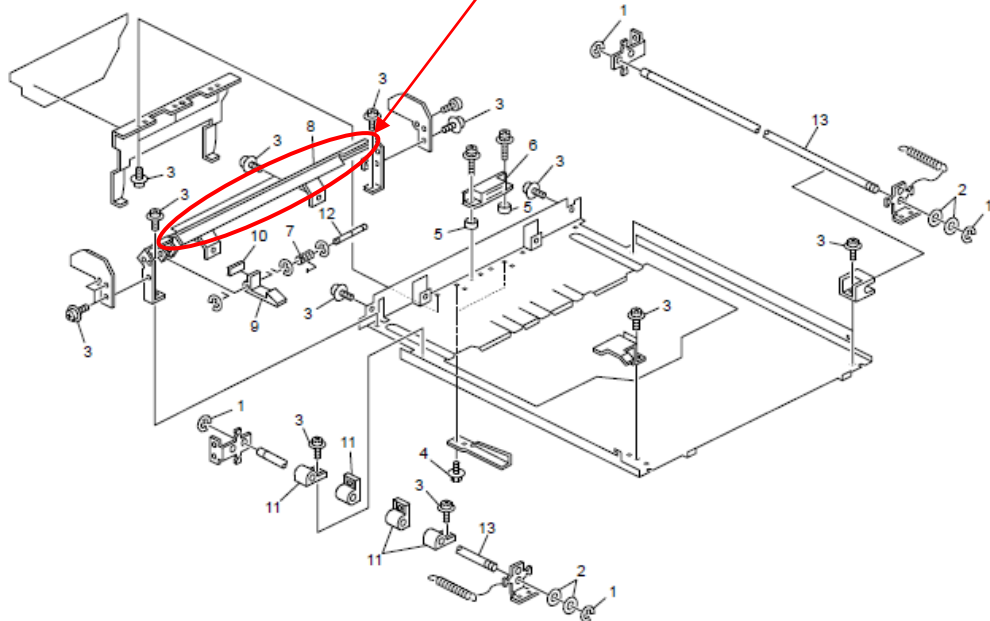
Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
D3911528	D3911952	SEPARATION PLATE:FM1-B018-000	1	X/O	179	15	Change
-	D3911953	RECEIVE PLATE:PAPER CHIP:FM1-B017-000	1	-	179	28	Add
-	D3911954	SHEET:FE3-2729-000	1	-	173	15	Add
D3911414	D3911415	RECEIVE PLATE:EDGE:FM1-B633-000	1	X/O	165	13	Change
-	D3911955	DISCHARGE BRUSH:CUTTER: BASE:PF4140Q894	1	-	165	32	Add
D3911512	-	SHEET:DISCHARGE:PF4140Q476	1	-	165	19	Delete

89.Book Stacking Section 3 (D391)



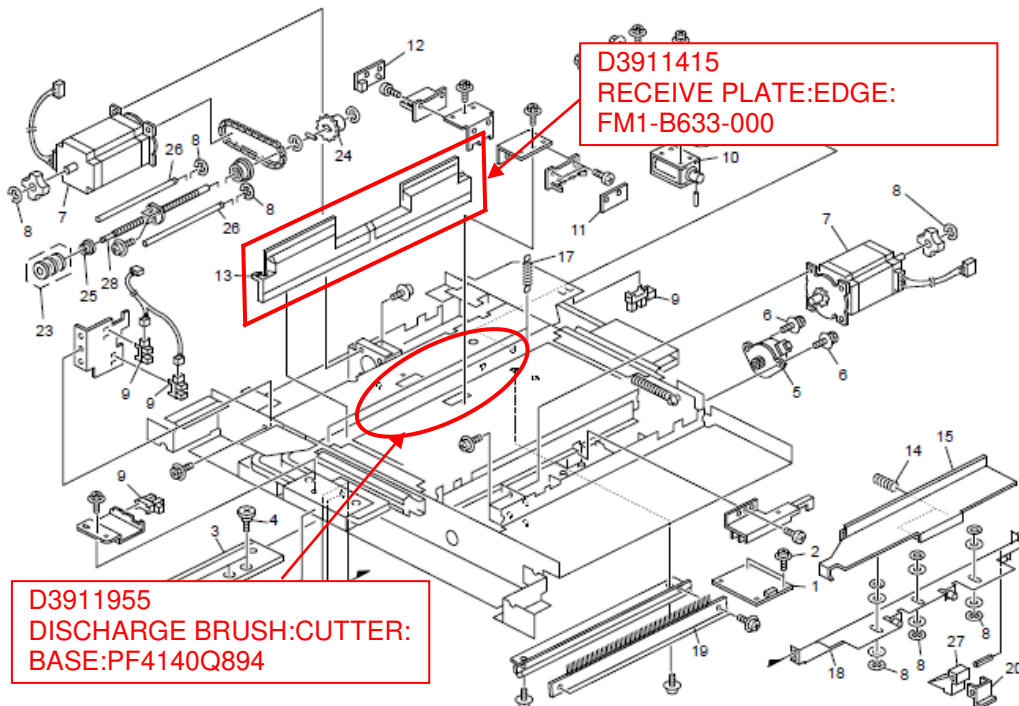
86.Waste Paper Case Section 4 (D391)

D3911954
SHEET:FE3-2729-000



82.Trimming Section 1 (D391)

D3911415
RECEIVE PLATE:EDGE:
FM1-B633-000



D3911955
DISCHARGE BRUSH:CUTTER:
BASE:PF4140Q894

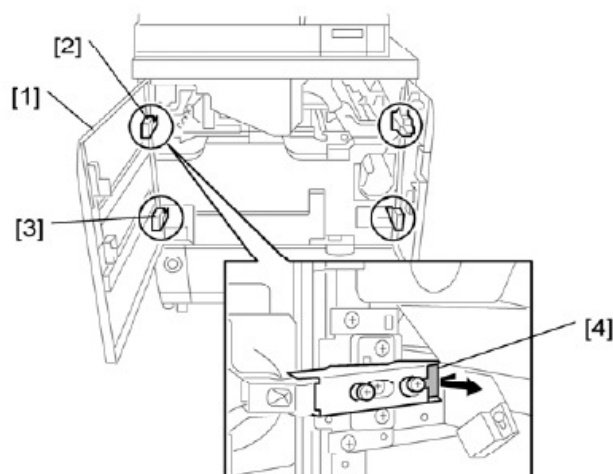
Perform the 6 procedures in the following order.

1. DISCHARGE SHEET (p/n: D3911512) - Remove
2. BLADE CRADLE (p/n: D3911415) - Replace
3. DISCHARGE BRUSH (p/n: D3911955) - Attach
4. SEPARATION PLATE (p/n: D3911952) - Replace
5. SUB-BUFFER ASSEMBLY (p/n: D3911953) - Replace
6. SHUTTER SHEET (p/n: D3911954) - Attach

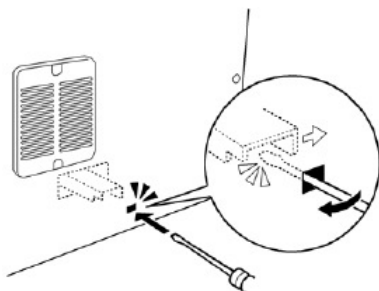
1. DISCHARGE SHEET (p/n: D3911512) - Remove

Pull out the trimming unit in the following procedure.

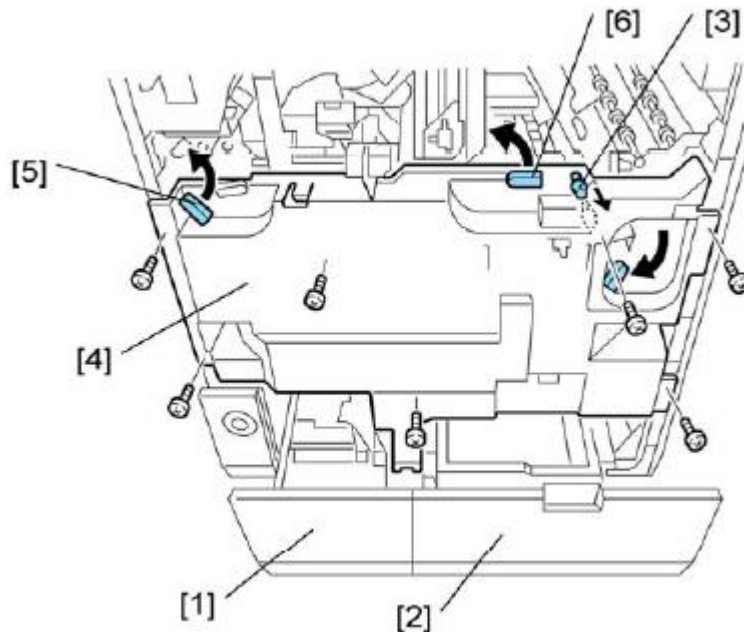
1. Open the right front door and left front door.
2. On the left door [1], remove the top hinge [2] and bottom hinge [3].
 - While holding the left front door with one hand, push the black lever [4] behind the top hinge in the direction of the arrow to release the top hinge.
 - Swing the top hinge out slightly.
 - While still supporting the left door with one hand, repeat the procedure to remove the bottom hinge.
 - Remove the left door.



3. At the right rear corner, unlock the book stack door.



4. Pull out the book stacking tray [1] and trimmings box [2] together.

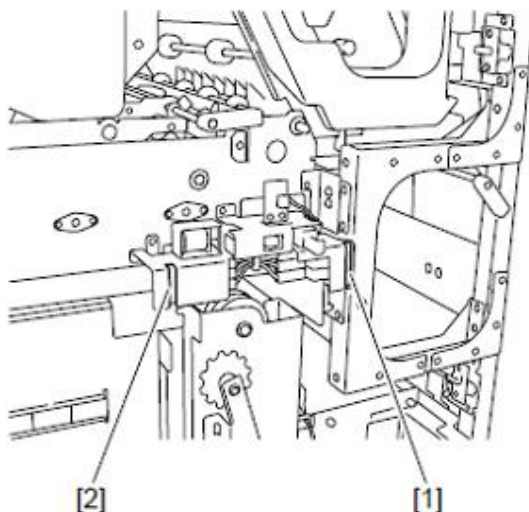


5. Pull off jam clear knob Mk10 [3].

IMPORTANT

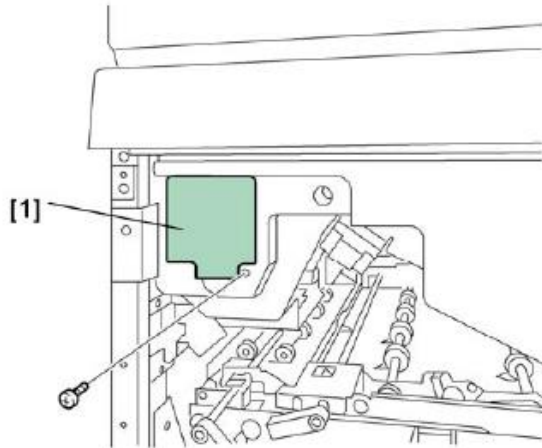
Mk10 must be reattached.

6. Remove the screws of the lower inner cover [4] (screw x7).
7. Raise the jam clear levers Mk8 [5] and Mk9 [6] as you remove the cover.
8. Return the jam clear levers to their original positions.
9. Insert a piece of cardboard or folded piece of paper into the slot [1] of the left door switch and the slot [2] of the right door switch.



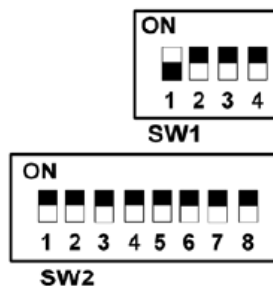
10. Connect the power cord to the machine.

11. Remove the service board cover [1] (screw x1).



12. If the system is on, switch off the host machine.

13. On the SW-1 bank set DIP SW1 to ON.



IMPORTANT

Confirm that the trimmer unit is inside the bookbinder. Before entering Service Mode the trimmer unit must be inside the machine.

14. Turn the host machine on. The bookbinder is now in Service Mode.

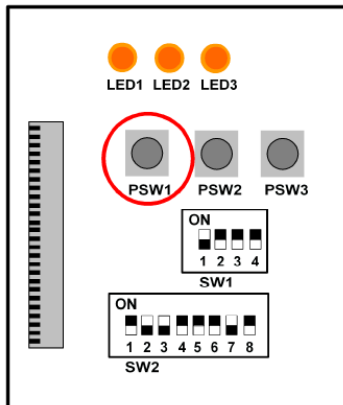
15. On the SW2 bank set DIP SW 2, 3, and 7 to ON.



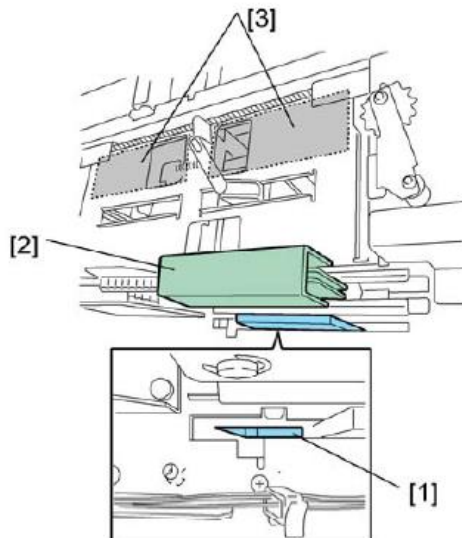
IMPORTANT

Make sure your hands, loose clothing, and tools are well clear of the bookbinder.

16. Press [PSW1].



This operates the blade [1], edge press plate [2], and signature rotation unit [3]. The blade retracts to the safe position.

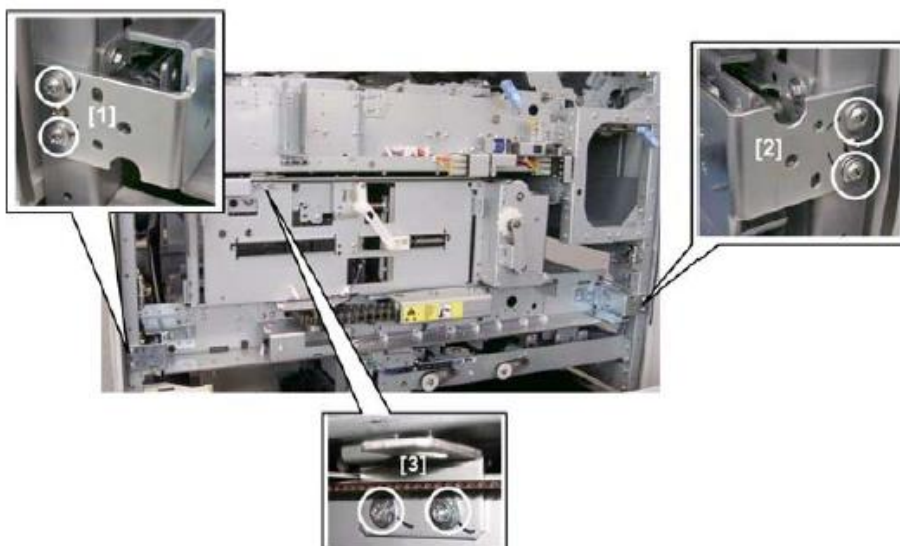


17. Turn the host machine off and disconnect the host machine, bookbinder, and any other peripheral devices from the power supply.

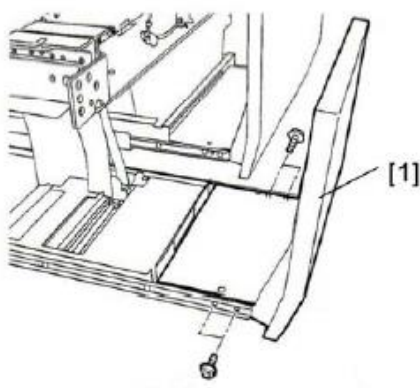
18. Confirm that all devices have been switched off and disconnected.

19. Remove:

- [1] Left brace (screw x2)
- [2] Right brace (screw x2)
- [3] Lock plate (screw x2)



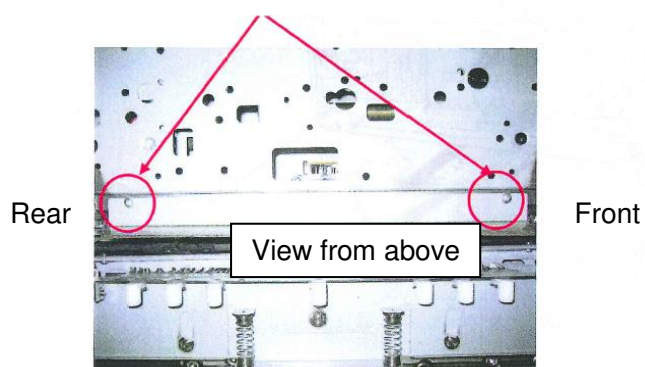
20. Remove cover [1] (screw x4).



21. Pull out the trimming unit on its rails.

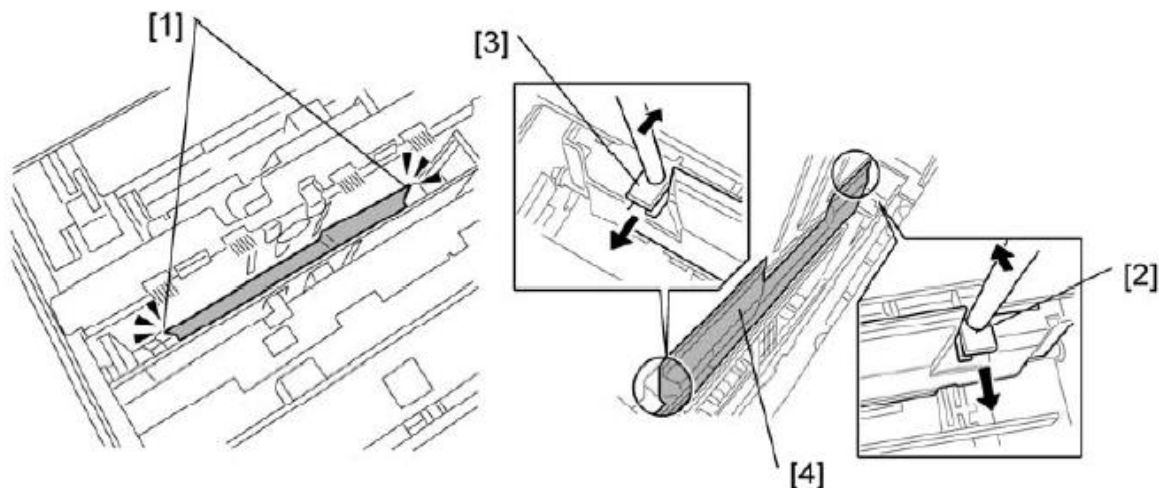
22. Remove the discharge sheet from the trimming unit (screw x2).

Remove these screws.

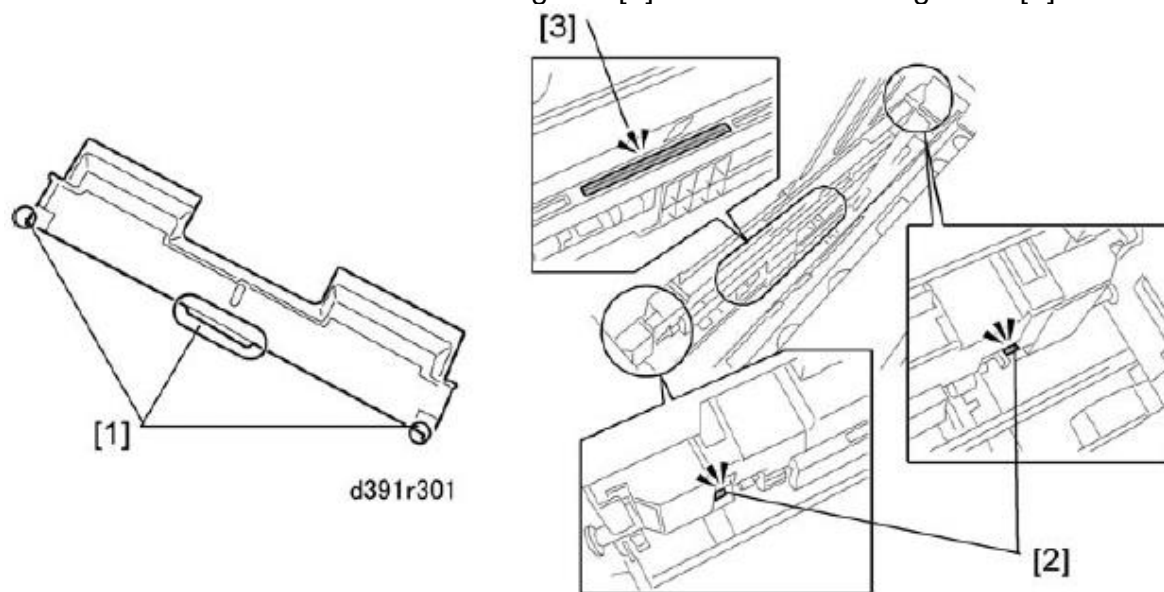


2. BLADE CRADLE (p/n: D3911415) - Replace

1. At the front and rear [1] insert a screwdriver at [2] and [3], press in the direction of the arrows to release the pawls of the blade cradle, then remove the blade cradle [4].



2. When reinstalling the blade cradle, confirm that the three pawls [1] of the cradle are inserted in the holes of the trimming unit [2] and locked in the groove [3].

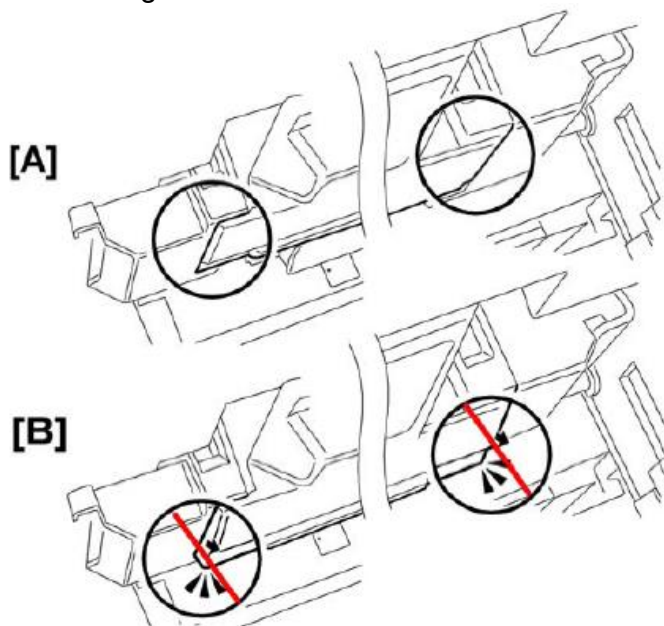


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3. After the blade cradle has been reinstalled, at the front and rear check that the blade cradle is aligned correctly [A] and not floating away [B] from or misaligned with the trimming unit.

**IMPORTANT**

Always replace the trimming blade and trimmings catcher after replacing the cradle. (The trimming blade, trimmings catcher, and blade cradle should always be replaced together.)

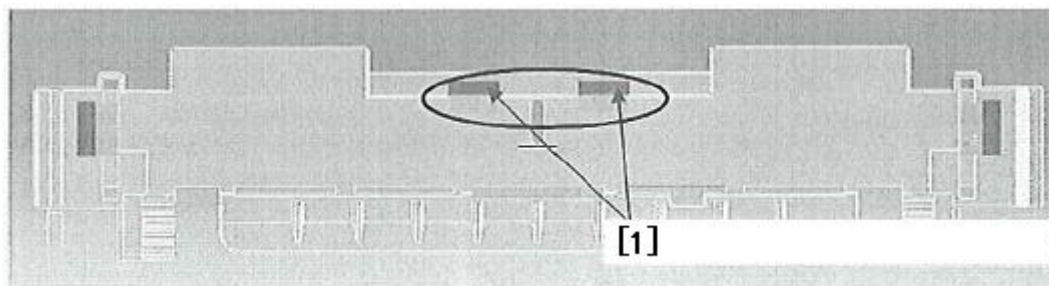
Model: Perfect Binder GB5000 (D391)

Date: 18-Apr-14

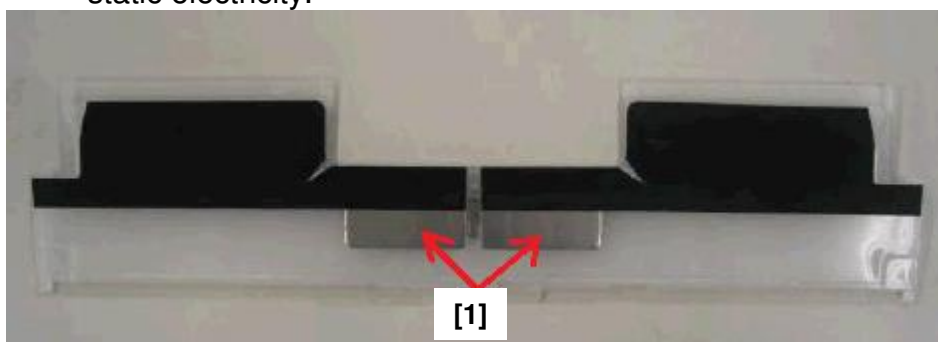
No.: RD391044

3. DISCHARGE BRUSH (p/n: D3911955) – Attach

1. Attach the new discharge brush (p/n: D3911955) to position [1] of the blade cradle case.

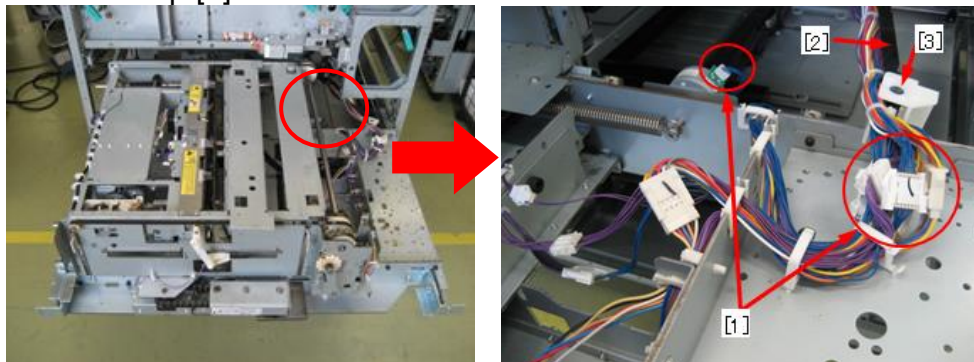


Note: The new blade cradle (p/n: D3911415) is attached with 2 sheets [1] to prevent static electricity.

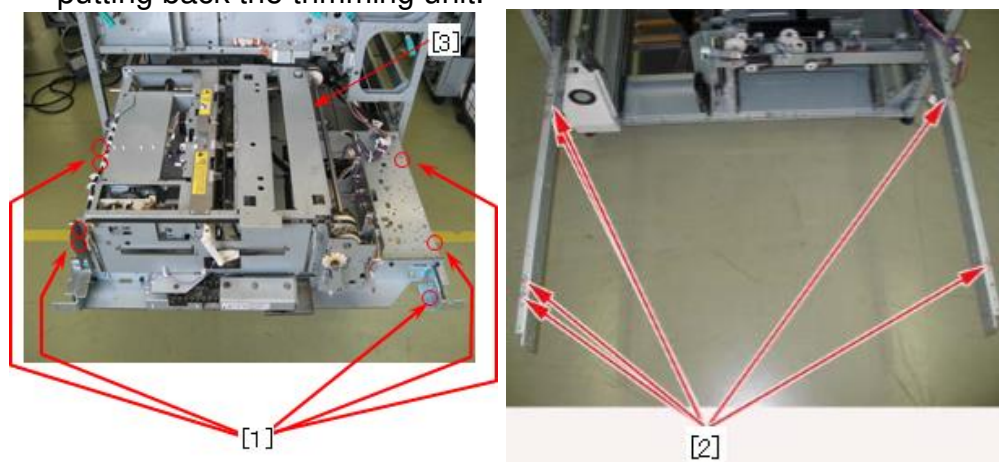


4. SEPARATION PLATE (p/n: D3911952) – Replace

1. Disconnect 8 connectors [1] and release the cables of the arm unit [2] from the white cable clamp [3].



2. Remove the trimming unit [3] (screw [1] x7).
Mark the 7 screw holes [2] where the screws are removed to avoid confusion when putting back the trimming unit.



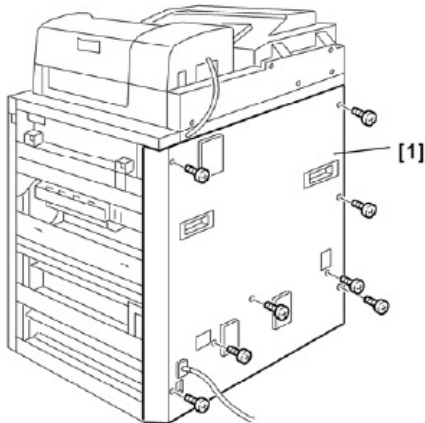
IMPORTANT

- At least 2 persons are required to unload the trimming unit from the slide rails.
- Do not place the trimming unit directly on the floor because the bottom of the trimming unit is not flat. Place it on top of a piece of cardboard.

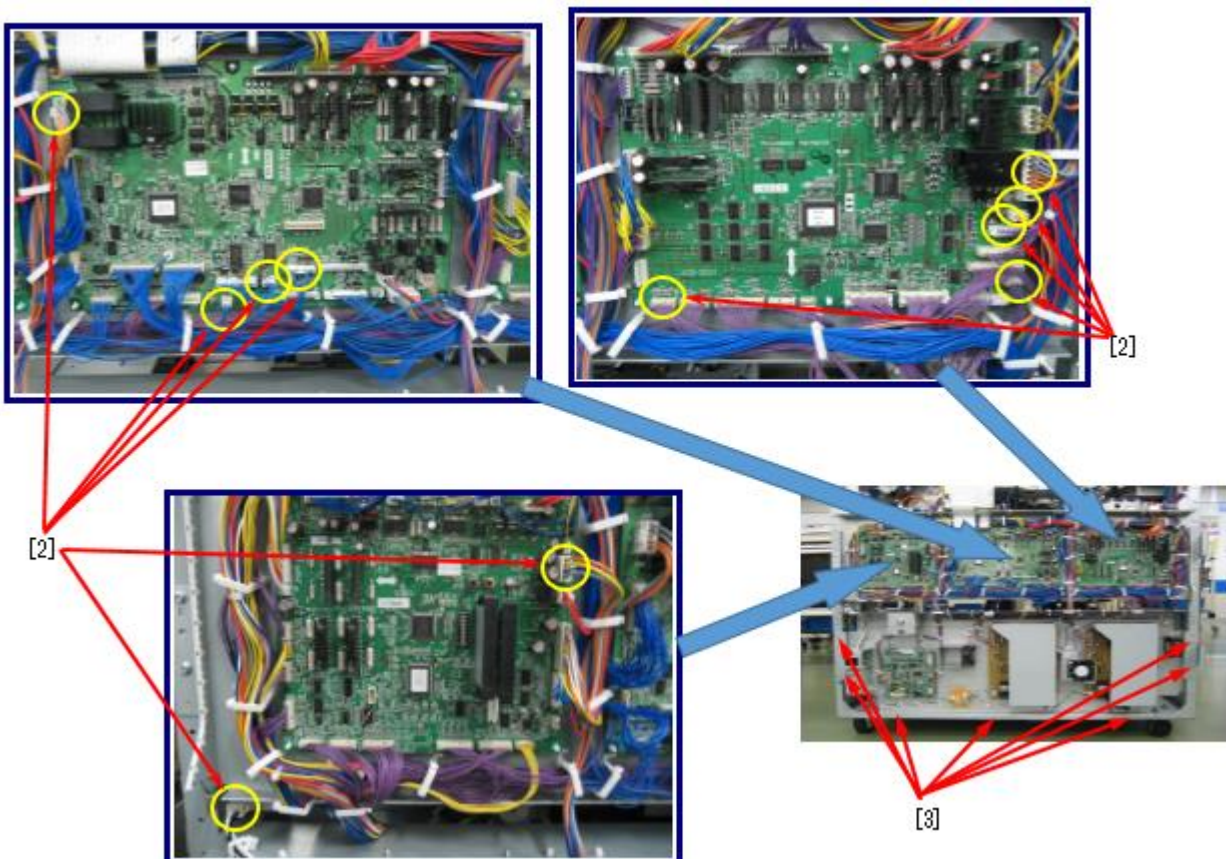
CAUTION

- Take extra care to prevent the trimming unit from dropping from its slide rails because the slide rails will slightly open outward after removing the screws.

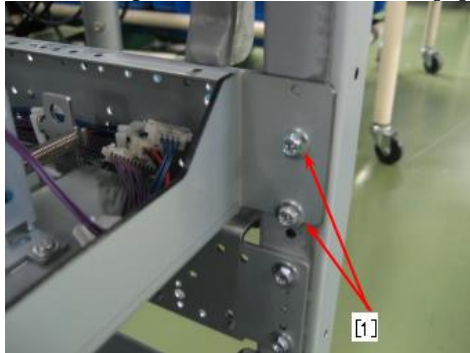
3. Remove the rear cover [1] (screw x8).



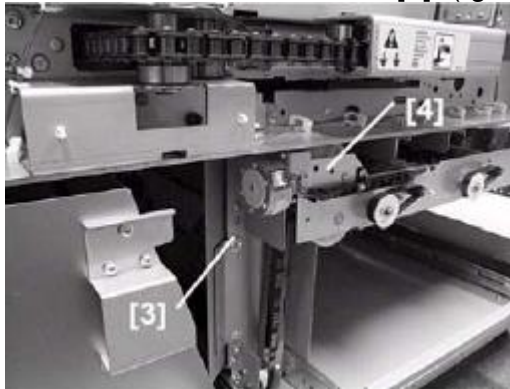
4. Disconnect the 11 connectors [2] and remove the 7 screws [3] to open the PSU board rack.



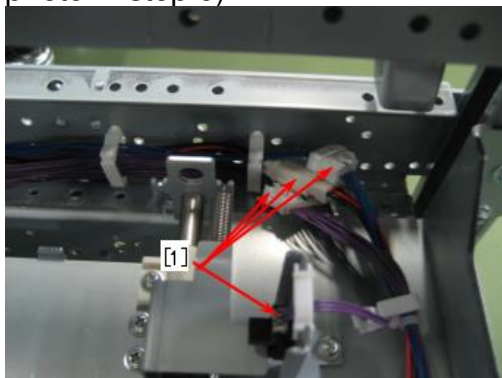
5. On the right remove 2 screws [1].



6. On the left remove a screw [3]. (Ignore callout 4 in this photo.)

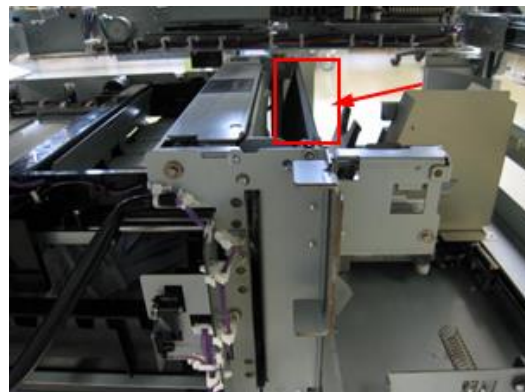
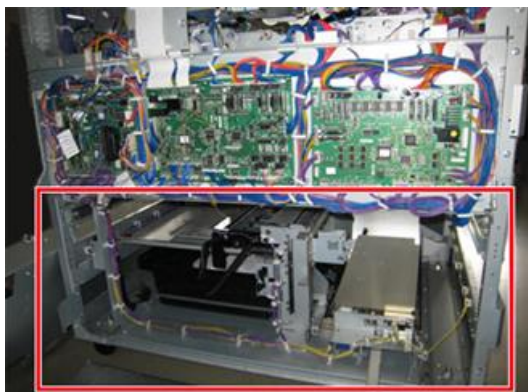


7. Disconnect the 4 connectors [1] and remove the trimmings buffer drive unit ([4] in the photo in step 6).

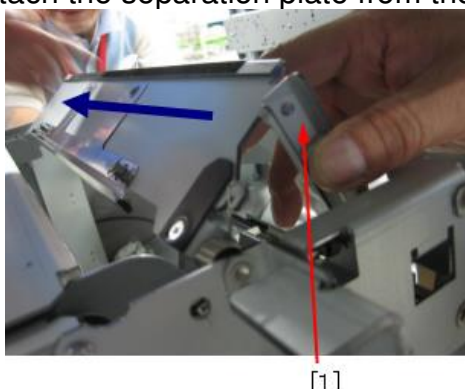


8. On the rear, pull up the separation plate and carefully remove the E-type retaining ring [1] to prevent it from dropping into the unit.

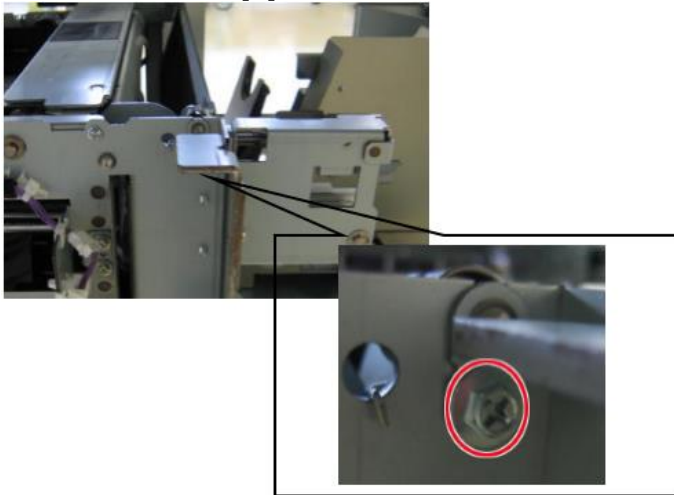
Note: Do not reuse the retaining ring.



9. Detach the separation plate from the bracket [1].

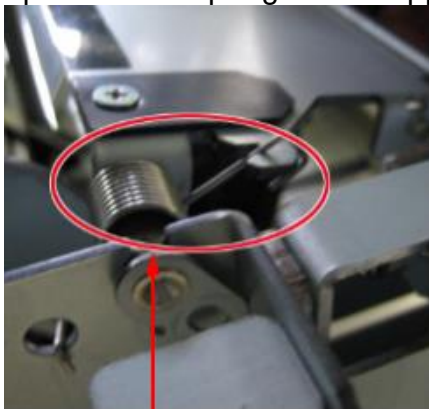


10. Remove screw [1].



[1]

11. Pull to remove the separation plate together with the spring [1]. Work carefully to prevent the spring from dropping into the unit.



[1]

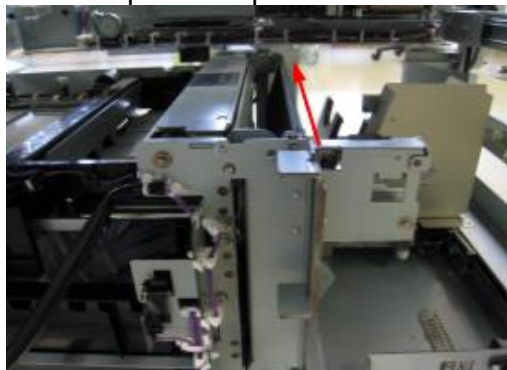
12. Apply grease G-501 (p/n: 52039502) to the areas outlined in red [1] on the new separation plate (p/n: D3911952).



[1]



13. On the front, set the separation plate by inserting the shaft on the frame into the hole in the separation plate.



14. On the rear, attach the spring as shown.

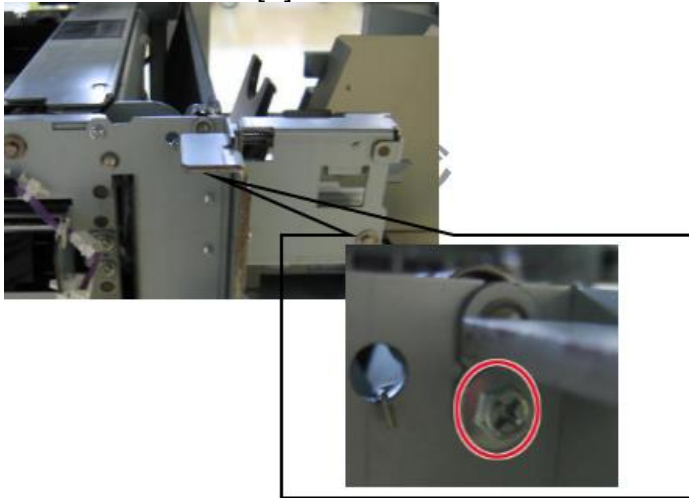


Model: Perfect Binder GB5000 (D391)

Date: 18-Apr-14

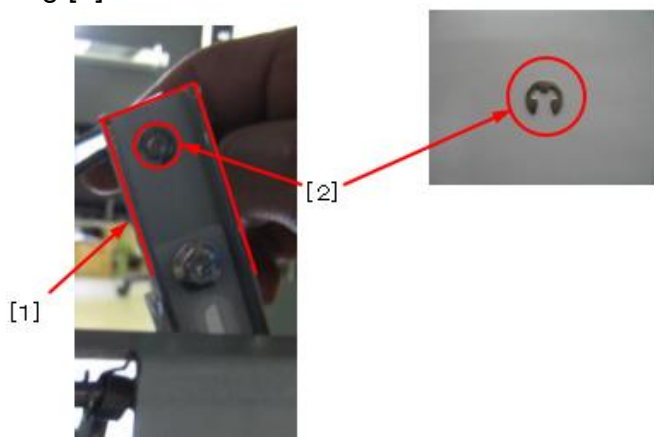
No.: RD391044

15. Fasten the screw [1].



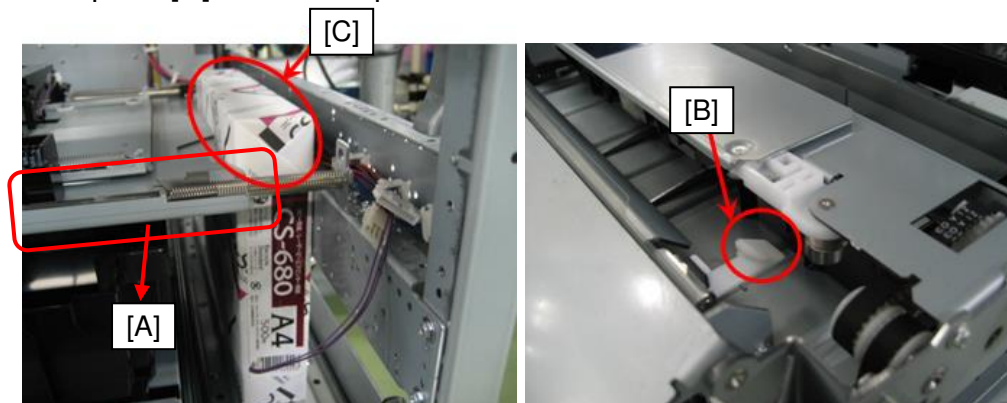
[1]

16. Hook the separation plate on the bracket [1] and attach an unused E-type retaining ring [2].

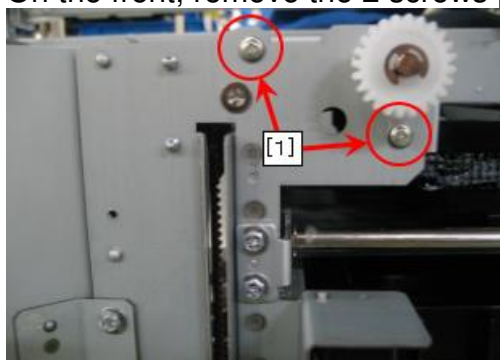


5. SUB-BUFFER ASSEMBLY (p/n: D3911953) – Replace

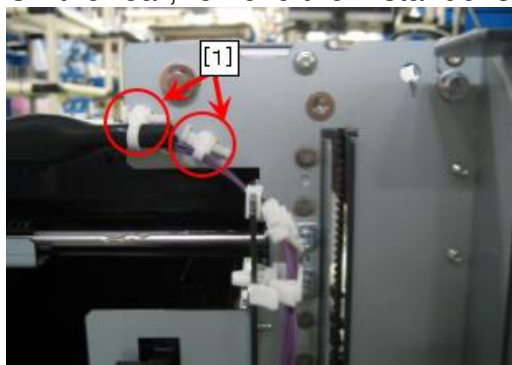
1. Slide the plate [A] to release the lock [B] and insert, for example, a pack of paper into the space [C] to lock the plate.



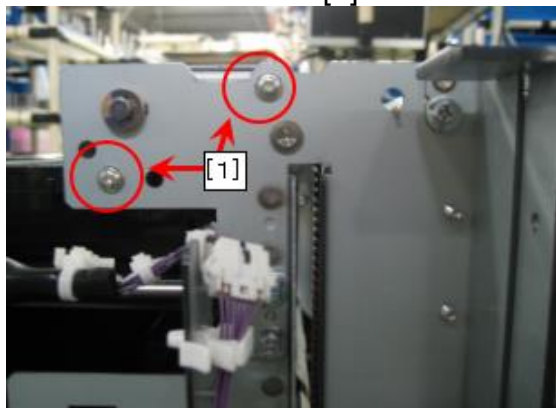
2. On the front, remove the 2 screws [1].



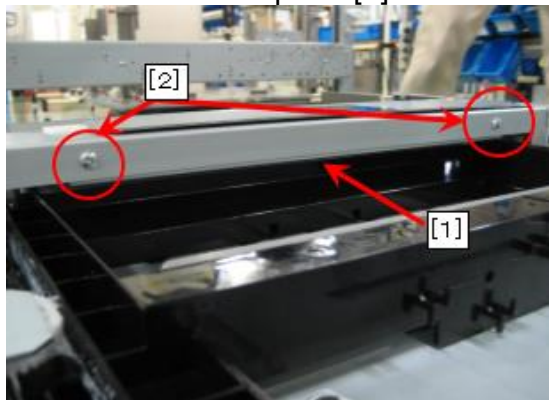
3. On the rear, remove the 2 standoffs [1].



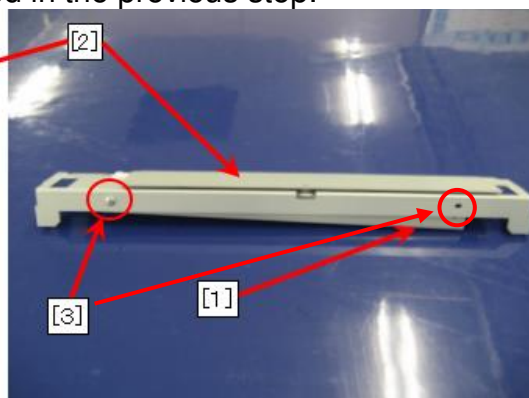
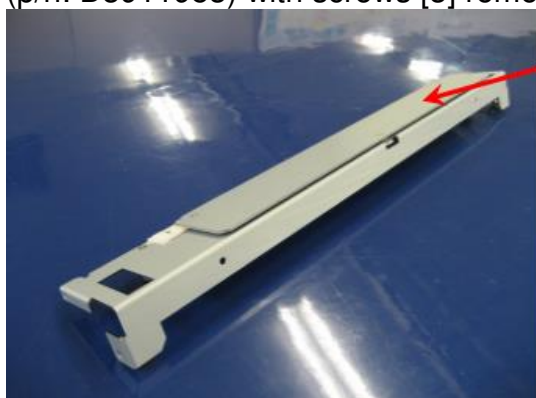
4. Remove the 2 screws [1].



5. Remove the metal plate [1] from the sub-buffer assembly (screw x2).

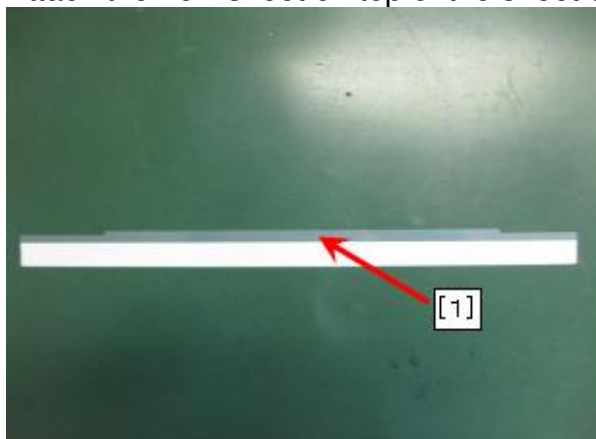


6. Fix the metal plate [1] removed in the previous step to the new sub-buffer assembly [2] (p/n: D3911953) with screws [3] removed in the previous step.



6. SHUTTER SHEET (p/n: 3911954) – Attach

1. Attach the new sheet on top of the sheet originally attached.

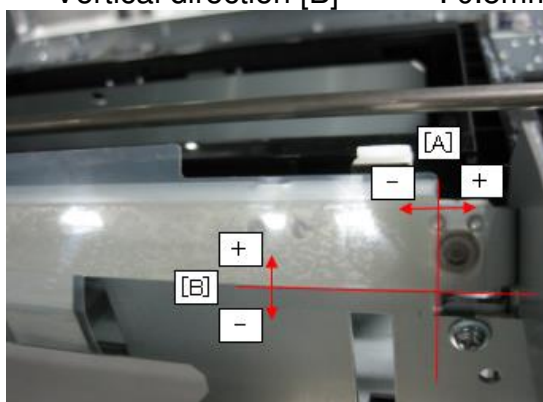


Note:

If a sheet is already attached on top of the original sheet, remove the former, then attach the new sheet on top.

Tolerance:

Horizontal direction [A] : 1.0mm in the '-' direction, 0mm in the '+' direction
 Vertical direction [B] : 0.5mm in the '-' direction, 0mm in the '+' direction



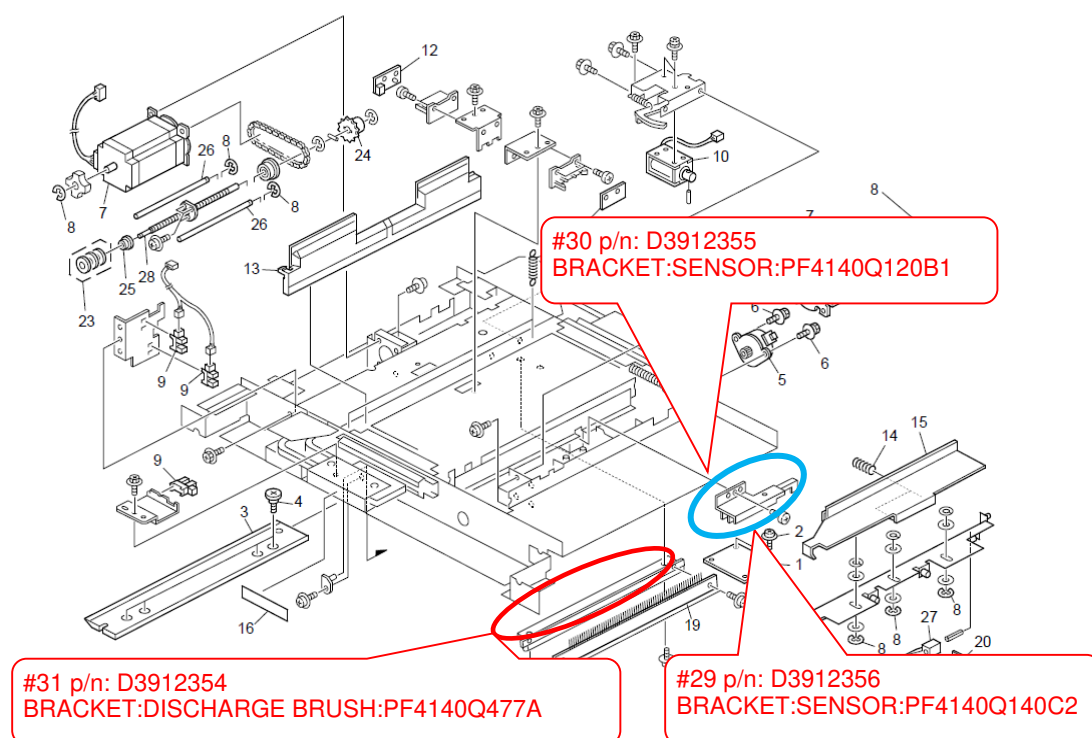
2. Put back the unit by following the above procedures in the reverse order.

Model: Perfect Binder GB5000 (D391)		Date: 19-May-14	No.: RD391045
Subject: New service part – Bracket sensor of discharge brush		Prepared by: T. Miyamoto	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

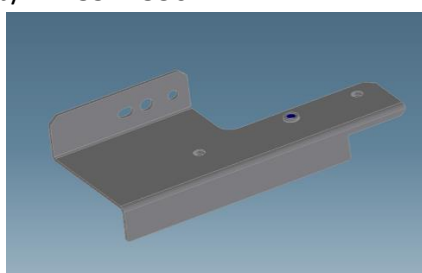
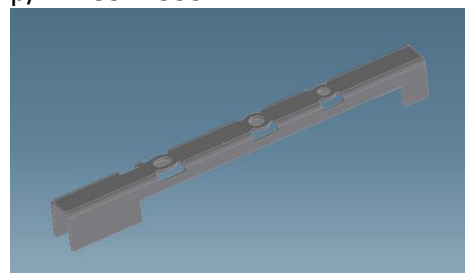
The following parts were registered as service parts to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3912355	BRACKET:SENSOR:PF4140Q120B1	1	-	165	30	Add
-	D3912356	BRACKET:SENSOR:PF4140Q140C2	1	-	165	29	Add
-	D3912354	BRACKET:DISCHARGE BRUSH: F4140Q477A	1	-	165	31	Add

82.Trimming Section 1 (D391)



The part circled in blue is composed of 2 parts, p/n: D3912355 and p/n: D3912356.

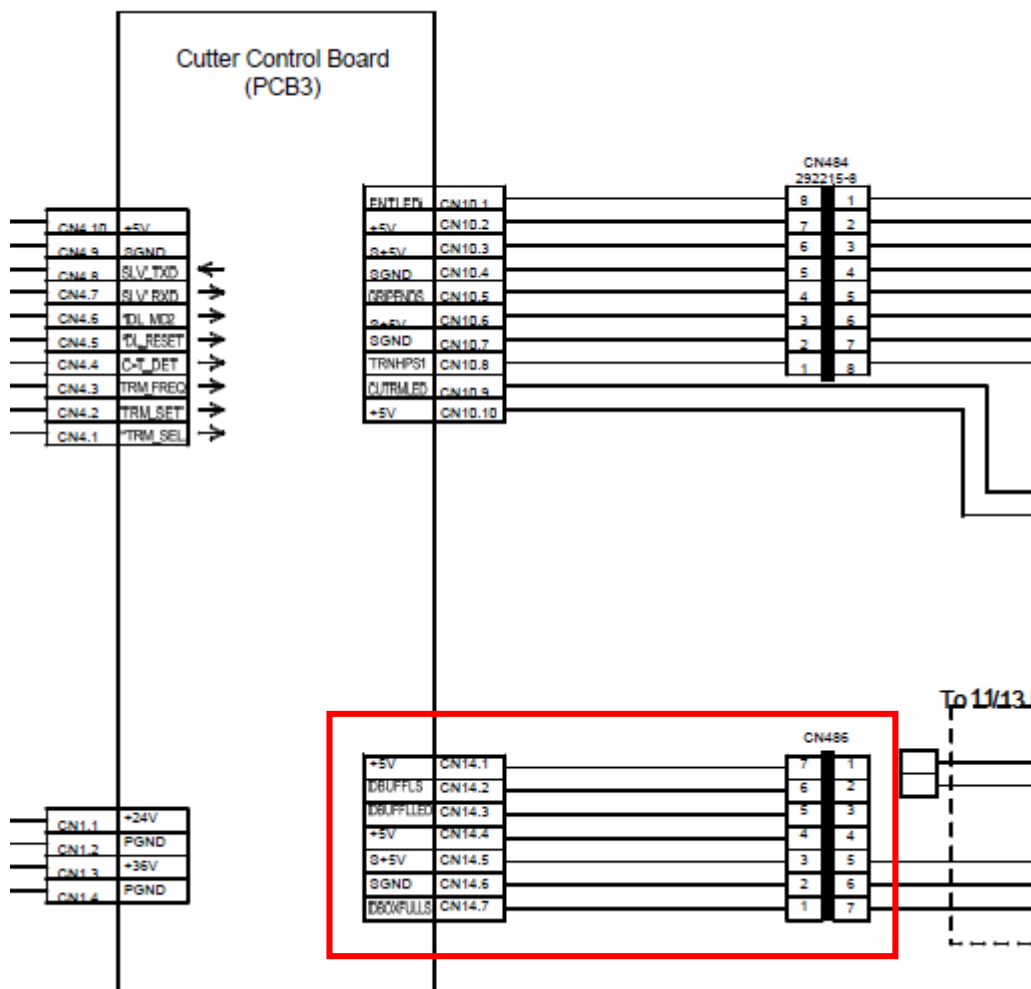


Model: Perfect Binder GB5000 (D391)		Date: 27-May-14	No.: RD391046
Subject: New service part – Harness connected to Trimmings Box Full Sensor		Prepared by: J. Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3912393	HARNESS:CONNECTING:SENSOR:PF4140K938	1	-	171	11	Add

This harness connects CN14 on PCB3 (cutter control board) with CN486 that connects with S97 (trimmings box full sensor).

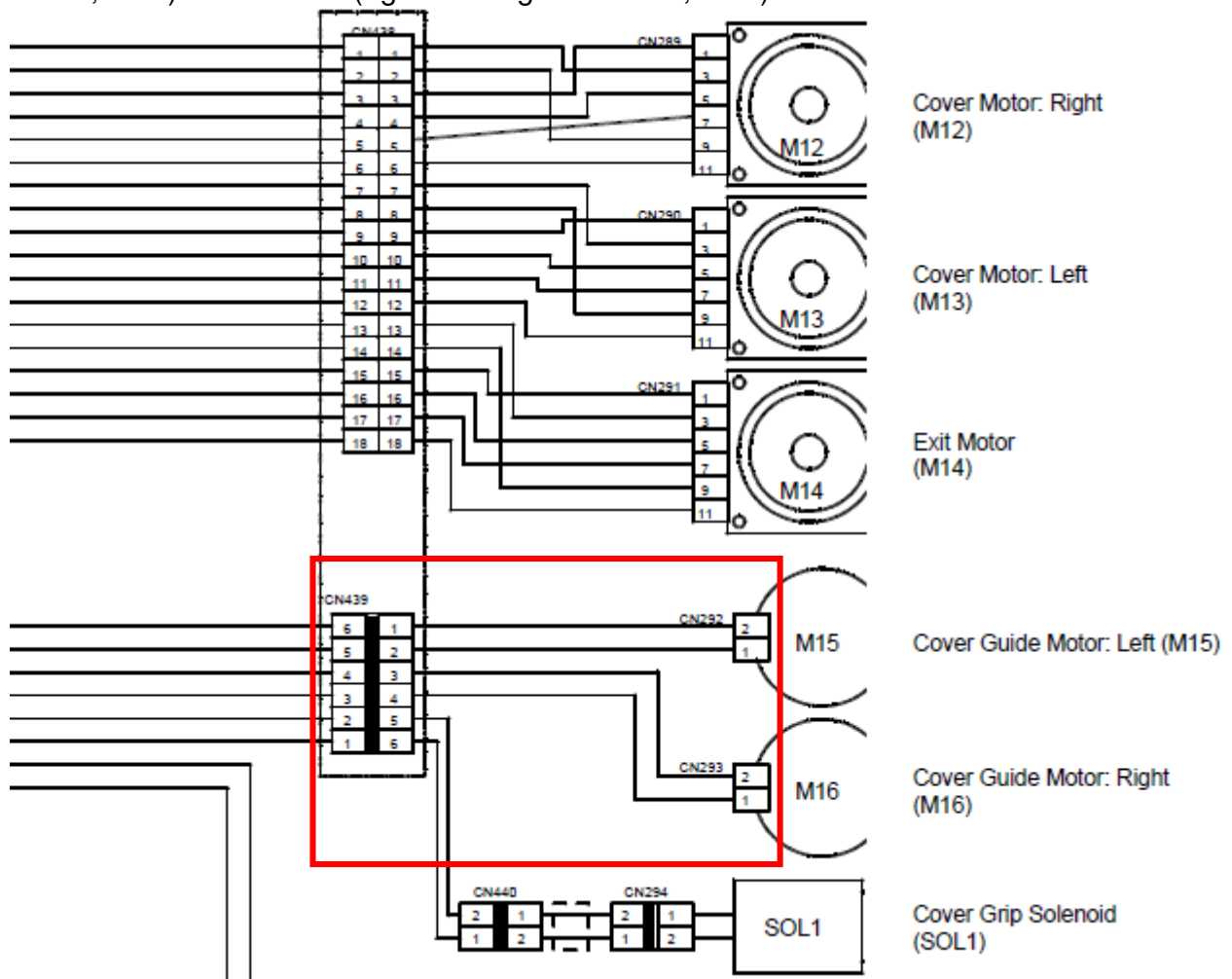


Model: Perfect Binder GB5000 (D391)		Date: 27-May-14	No.: RD391047
Subject: New service part – Harness for Cover Guide Motor		Prepared by: J. Ohno	
From: PP Tech Service Dept., 1st PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3912396	HARNESS:DC MOTOR:PF4140K680B	1	-	119	37	Add

This harness connects CN439 (PCB 1; master control board) with CN 292 (left cover guide motor; M15) and CN293 (right cover guide motor; M16).

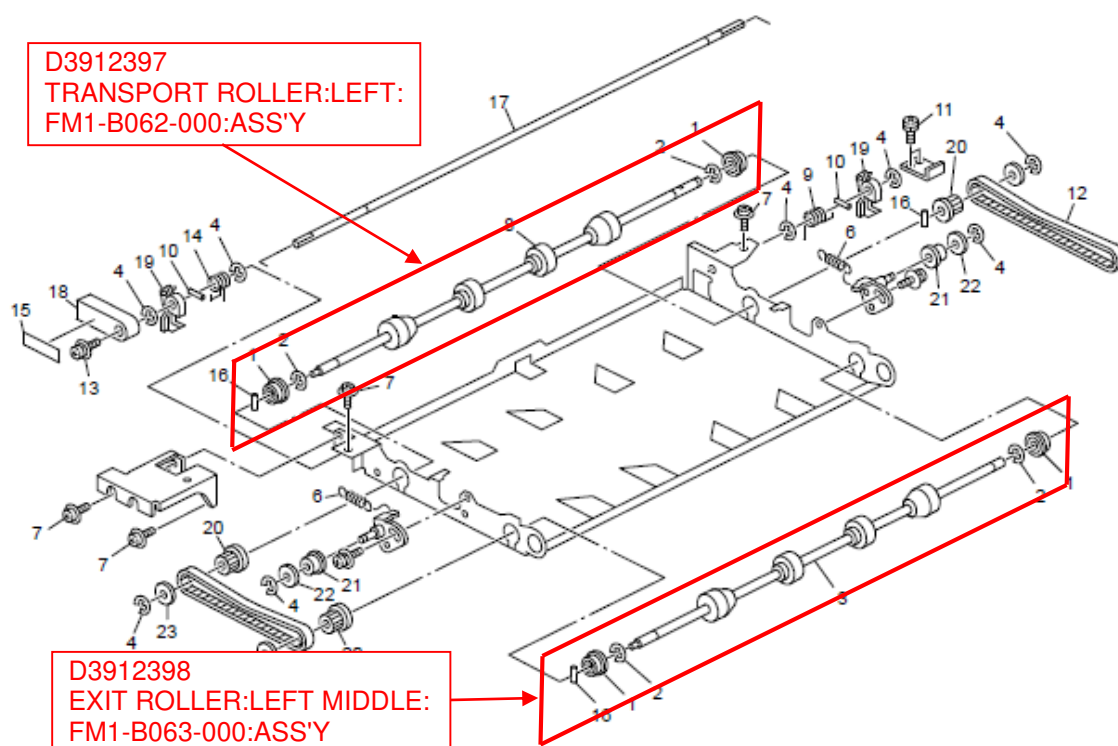


Model: Perfect Binder GB5000 (D391)		Date: 28-Nov-14	No.: RD391048
Subject: New service part - Ass'y Exit roller and Transport roller		Prepared by: J. Ohno	
From: PP Tech Service Dept., 3rd PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following rollers were registered as assembly units for easier replacement.
E-type retaining rings, bearings, stopper pins and gears are attached to these rollers.

New Part Number	Description	Q'ty	Page	Index	Note
D3912397	TRANSPORT ROLLER:LEFT: FM1-B062-000:ASS'Y	1	127	39	Add
D3912400	EXIT ROLLER:RIGHT: FM1-B065-000:ASS'Y	1	133	25	Add
D3912399	EXIT ROLLER:RIGHT MIDDLE: FM1-B064-000:ASS'Y	1	133	24	Add
D3912398	EXIT ROLLER:LEFT MIDDLE: FM1-B063-000:ASS'Y	1	127	40	Add

66.Cover Feed Path Section 10 (D391)



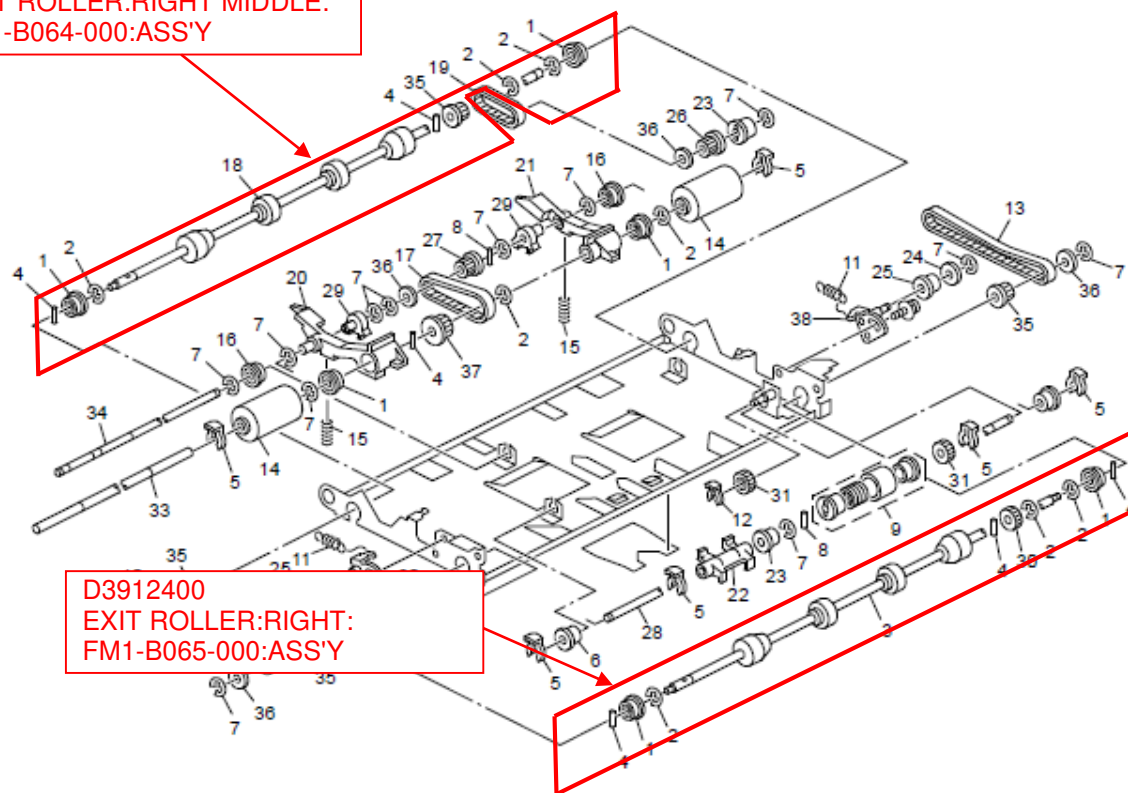
Model: Perfect Binder GB5000 (D391)

Date: 28-Nov-14

No.: RD391048

63.Cover Feed Path Section 7 (D391)

D3912399
EXIT ROLLER:RIGHT MIDDLE:
FM1-B064-000:ASS'Y



Model: Perfect Binder GB5000		Date: 28-Nov-14	No.: RD391049
Subject: New parts- Higher durability of shafts		Prepared by: T. Suzuki	
From: PP Tech Service Dept., 3rd PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Product Safety <input type="checkbox"/> Other () <input type="checkbox"/> Tier2		

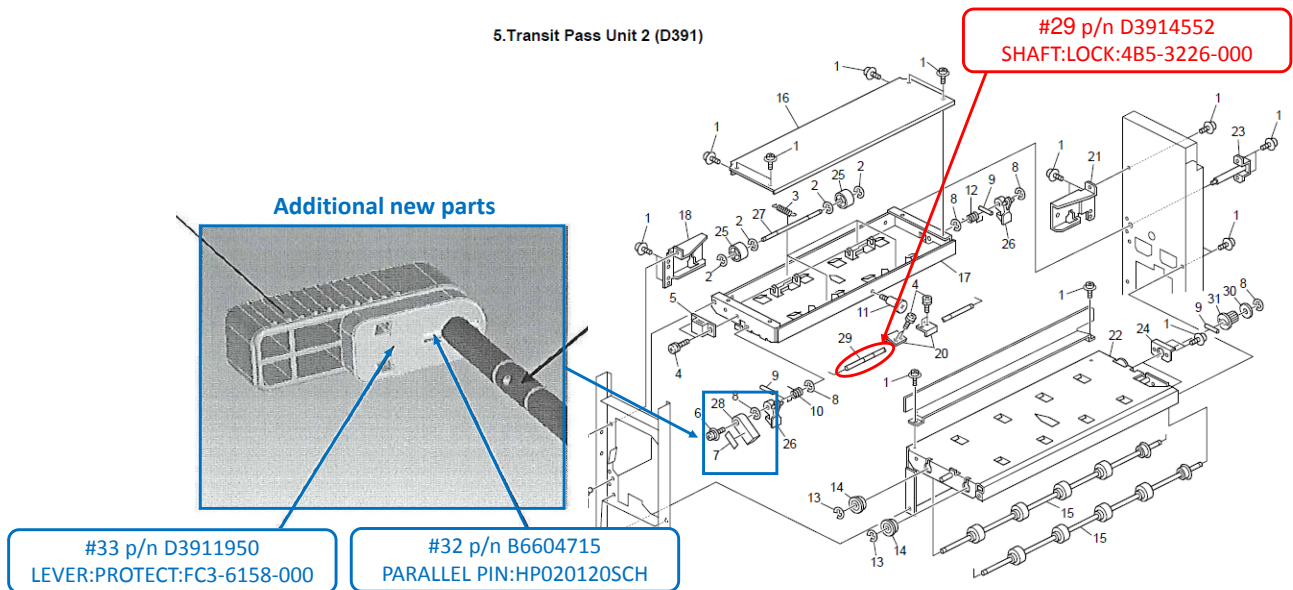
The following parts were modified for higher durability.

Affected models: D391-17, D391-27

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
D3914530	D3914552	SHAFT:LOCK:4B5-3226-000	2	X/O	11	29	Change
D3911520	D3911943	SHAFT:LOCK:4B5-3153-000	1	X/O	41	18	Change
D3911527	D3911944	SHAFT:LOCK:4B5-3152-000	1	X/O	41	24	Change
D3911902	D3911948	SHAFT:LOCK:4B5-3156-000	1	X/O	47	27	Change
D3911829	D3911945	SHAFT:LOCK:4B5-3154-000	1	X/O	115	26	Change
D3911841	D3911946	SHAFT:LOCK:4B5-3155-000	1	X/O	125	18	Change
D3911845	D3911947	SHAFT:LOCK:4B5-3150-000	1	X/O	133	17	Change
	B6604715	PARALLEL PIN:HP020120SCH	1		11	32	Add
			2		41	26	Add
			1		47	29	Add
			1		115	35	Add
			1		125	30	Add
			1		133	24	Add
	D3911950	LEVER:PROTECT:FC3-6158-000	1		11	33	Add
			2		41	27	Add
			1		47	30	Add
			1		115	36	Add
			1		125	31	Add
			1		133	25	Add

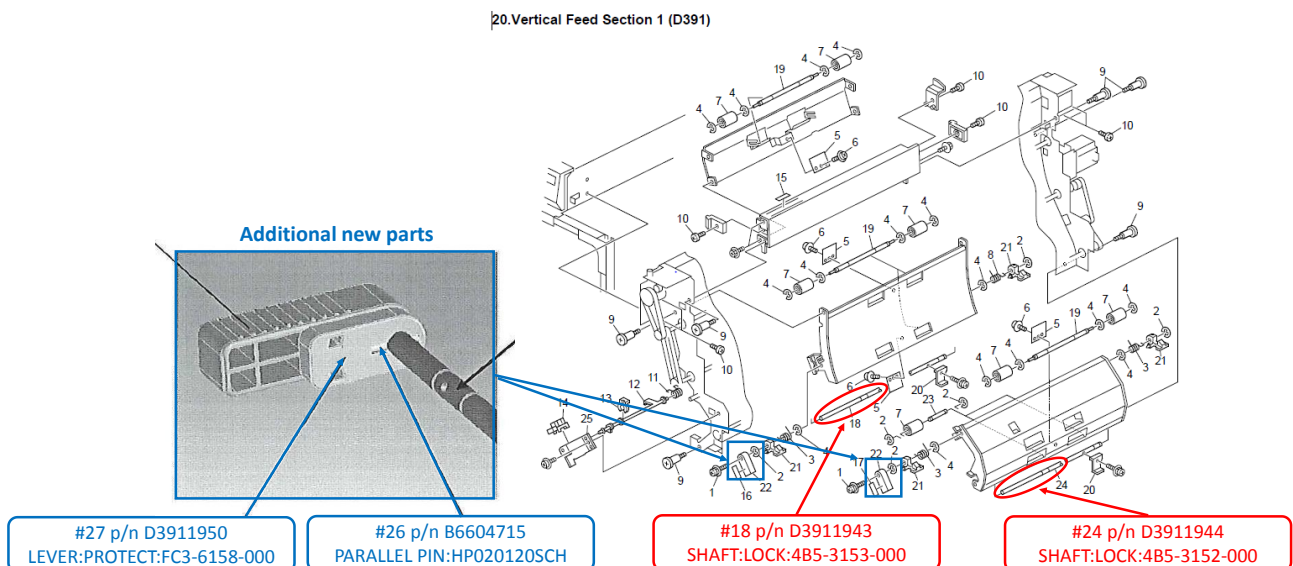
Page: 11

5.Transit Pass Unit 2 (D391)



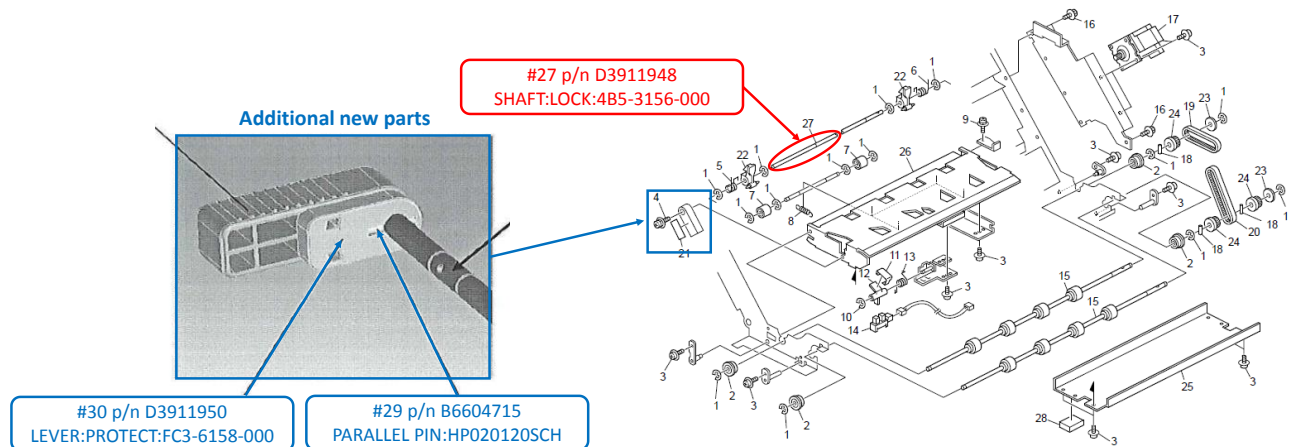
Page: 41

20.Vertical Feed Section 1 (D391)



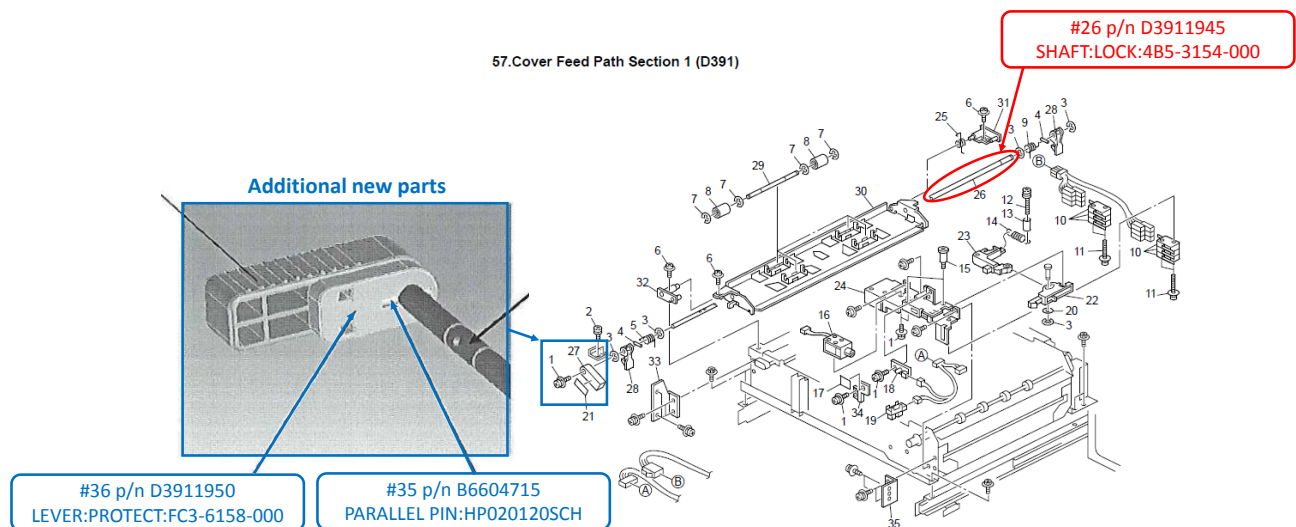
Page: 47

23.Signature Transport Section 2 (D391)



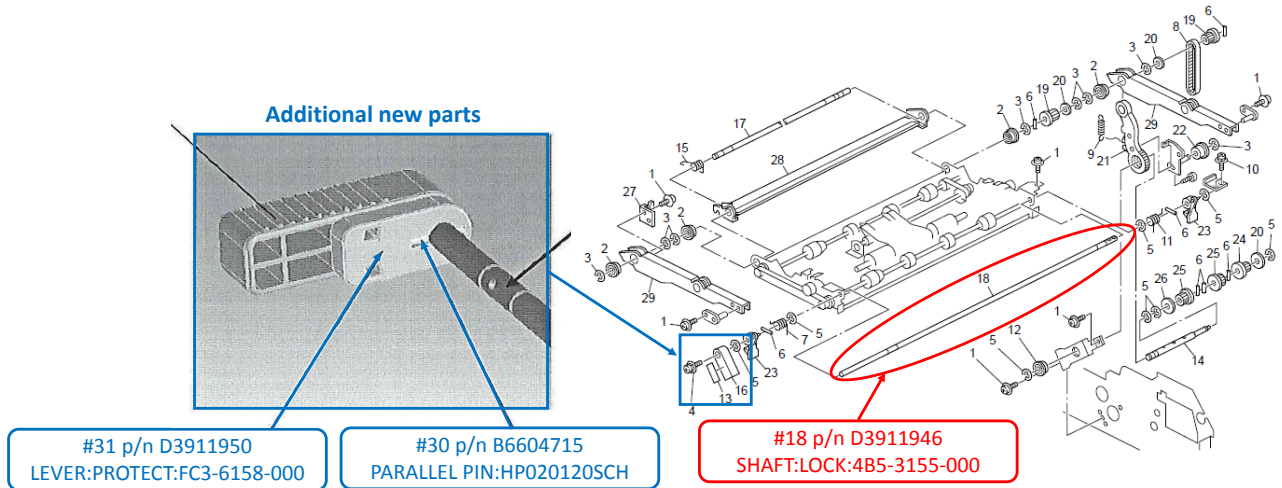
Page: 115

57.Cover Feed Path Section 1 (D391)



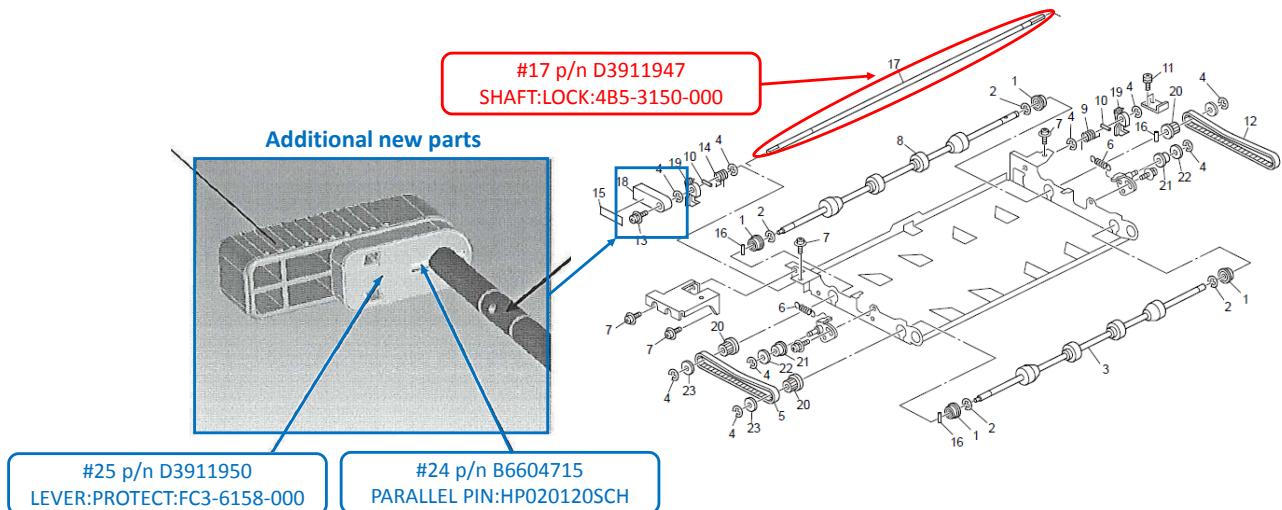
Page: 125

62.Cover Feed Path Section 6 (D391)



Page: 133

66.Cover Feed Path Section 10 (D391)



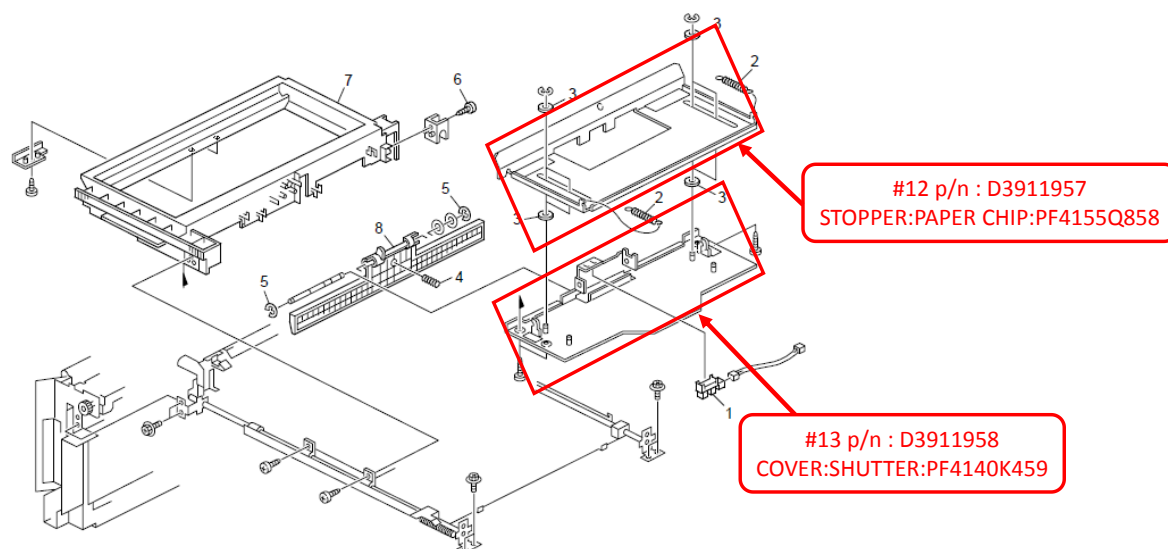
Model: Perfect Binder GB5000		Date: 28-Nov-14	No.: RD391050
Subject: New service part-Stopper and Cover of the waste paper case section3		Prepared by: T. Suzuki	
From: PP Tech Service Dept., 3rd PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following parts were registered as service parts to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3911957	STOPPER:PAPER CHIP:PF4155Q858	1		171	12	Add
-	D3911958	COVER:SHUTTER:PF4140K459	1		171	13	Add

Affected models: D391-17, D391-27

85.Waste Paper Case Section 3 (D391)



Model: Perfect Binder GB5000		Date: 28-Nov-14	No.: RD391051
Subject: New part- TRAY:TORQUE DIODE:PF4140K117A:ASS'Y		Prepared by: T. Suzuki	
From: PP Tech Service Dept., 3rd PP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

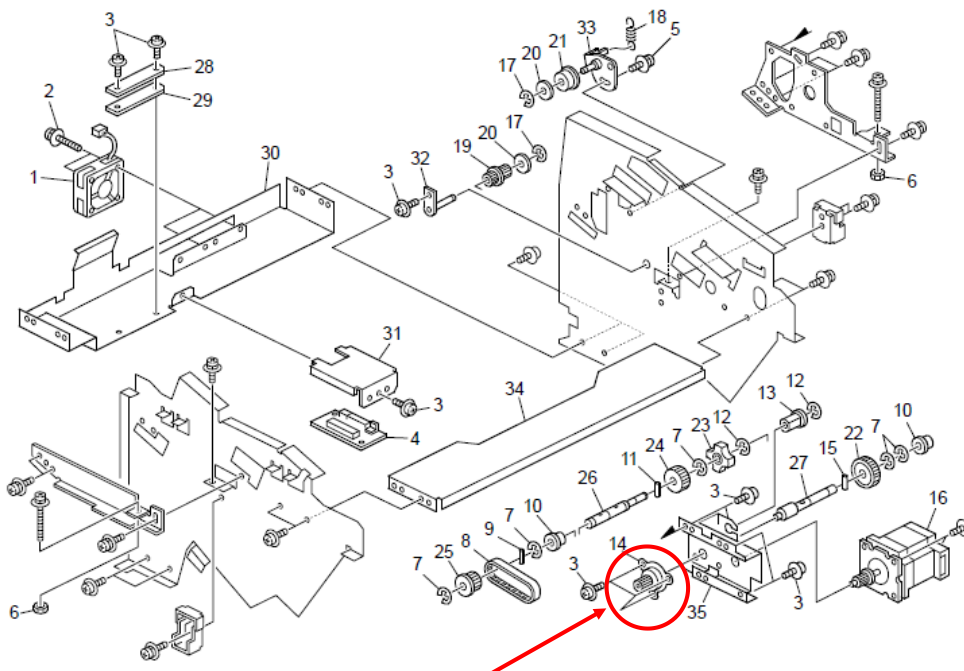
Change: New torque diode in the stacking tray

Reason: Parts standardization

Affected models: D391-17, D391-27

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
D3911268	D3911270	TRAY:TORQUE DIODE:PF4140K117A:ASS'Y	1	X/O	69	14	Change

34.Stacking Tray Section 3 (D391)



#14 p/n D3911270
TRAY:TORQUE DIODE:PF4140K117A:ASS'Y

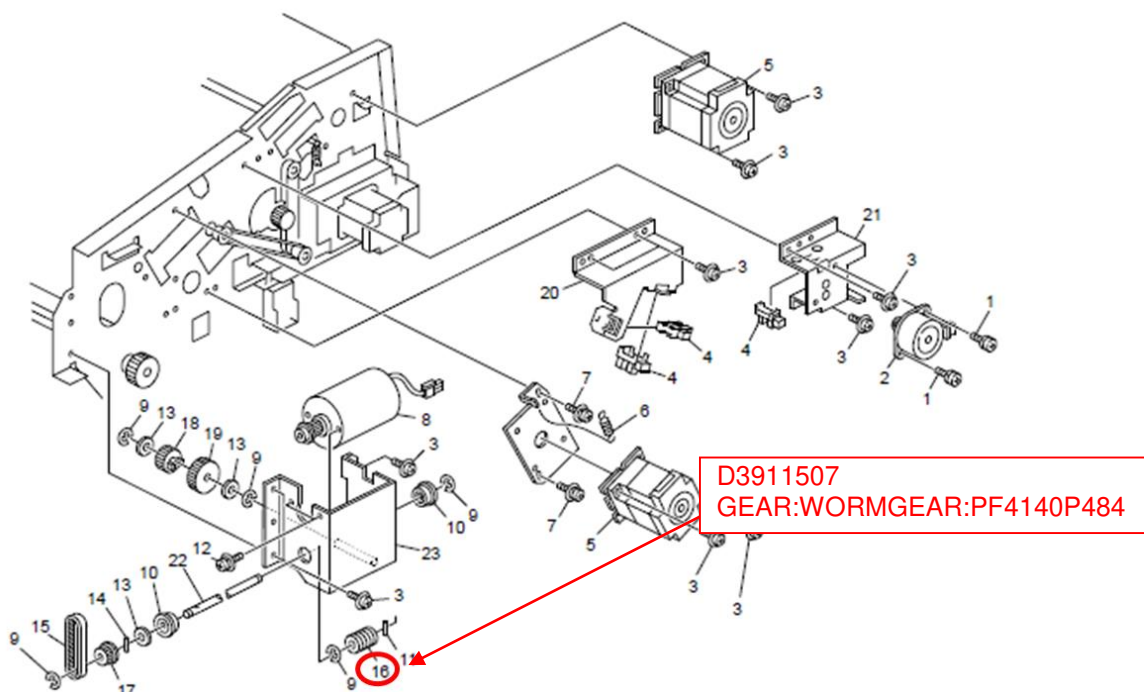
Model: GB5000 (Perfect Binder)		Date: 05-Dec-14	No.: RD391052
Subject: Parts catalog correction		Prepared by: T. Miyamoto	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please apply the following corrections to your parts catalog.

Part #16 on page 61 indicates D391 1157, but this is a mistake.
This is D3911507: GEAR:WORM GEAR:PF4140P484.

Incorrect P/N	Incorrect Description	Correct P/N	Correct Description	Q'ty	Int	Page	Index	Note
D391 1157	BRACKET:PLATE:PF4140K076	D391 1507	GEAR:WORM GEAR:PF4140P484	1	-	61	19	-

30.Signature Delivery Section 4 (D391)



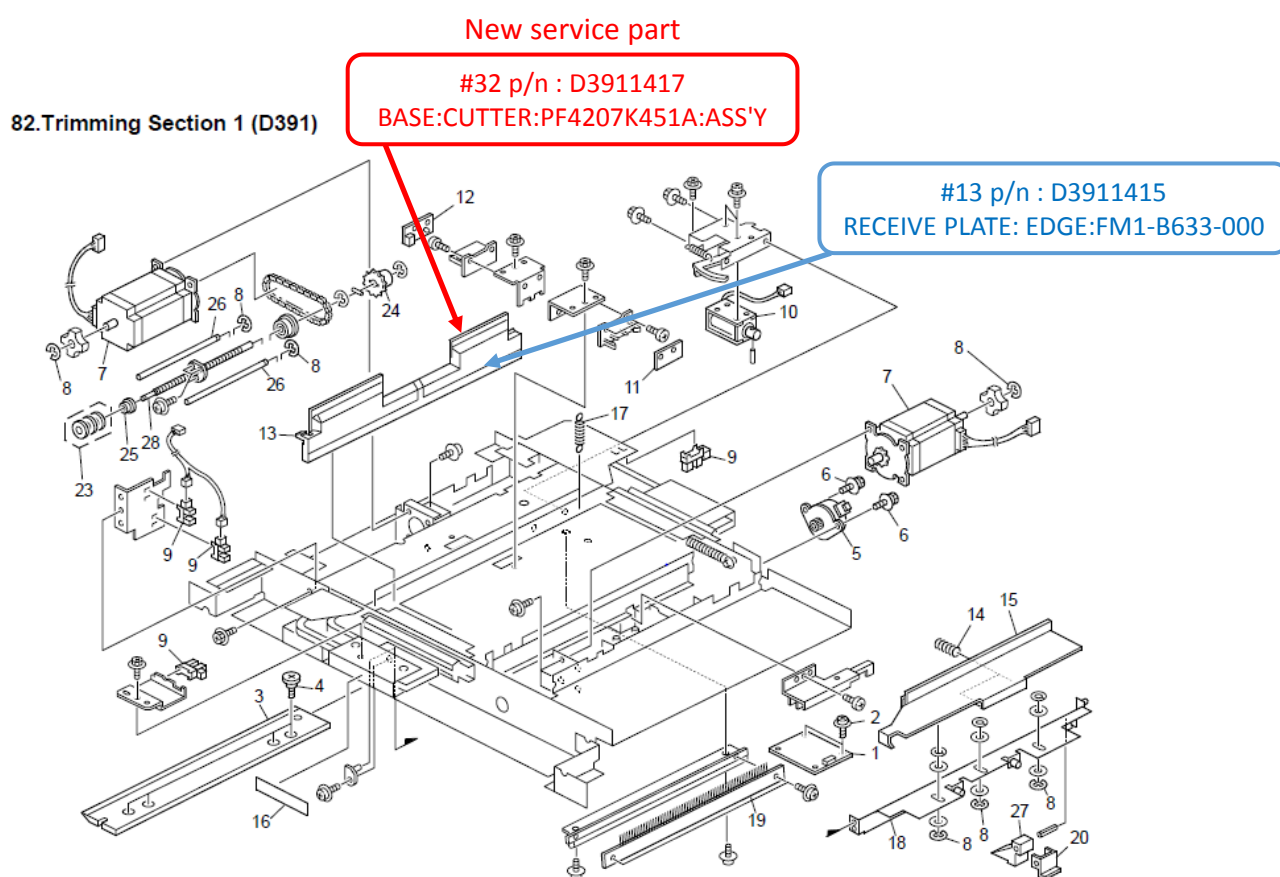
Model: Perfect Binder GB5000		Date: 7-May-15	No.: RD391053
Subject: New service part – BASE:CUTTER:PF4207K451A:ASS'Y		Prepared by: T. Suzuki	
From: MFP Tech Service Dept., 2nd MFP Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as a new service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3911417	BASE:CUTTER:PF4207K451A:ASS'Y	1	-	165	32	Add

Affected models

D391-17, D391-27



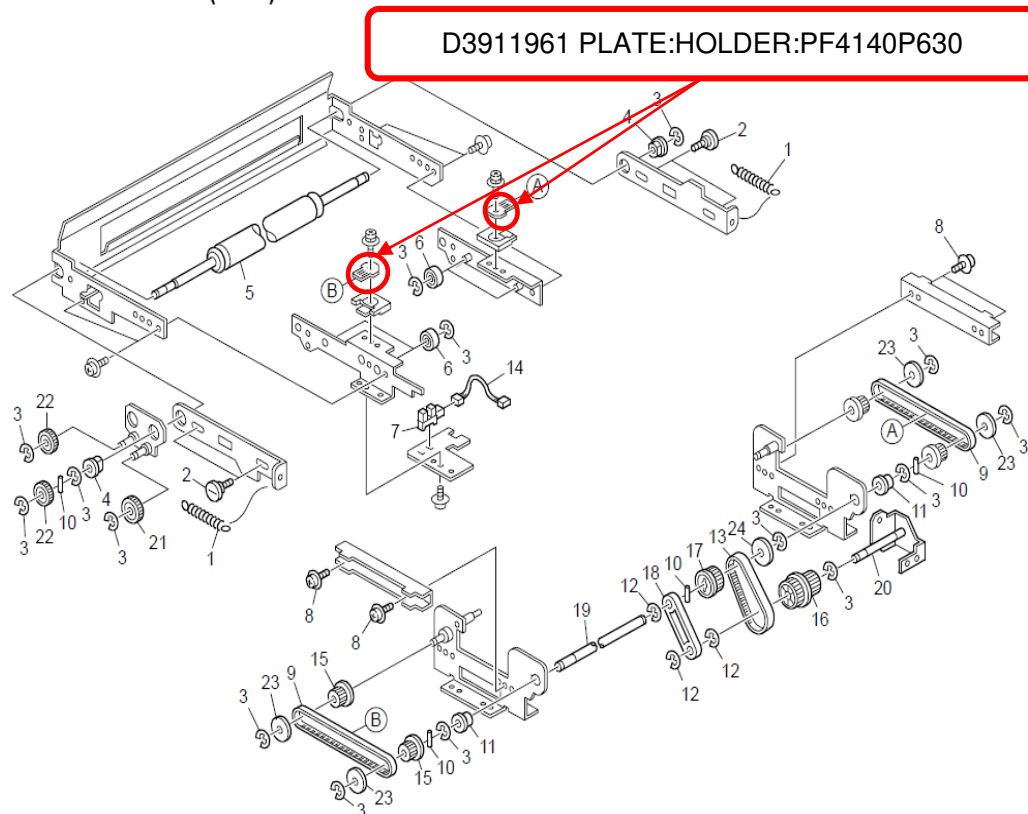
The new service part (p/n: D391 1417) attaches to “RECEIVE PLATE: EDGE:FM1-B633-000” (p/n: D391 1415).

Model: Perfect Binder GB5000		Date: 18-Sep-15	No.: RD391054
Subject: New service part – PLATE:HOLDER:PF4140P630		Prepared by: T. Miyamoto	
From: 1st PP Tech Service Sec., PP Tech Service Dept			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as a new service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3911961	PLATE:HOLDER:PF4140P630	1	-	147	25	Add

73.Bundle Feed Section 2 (D391)



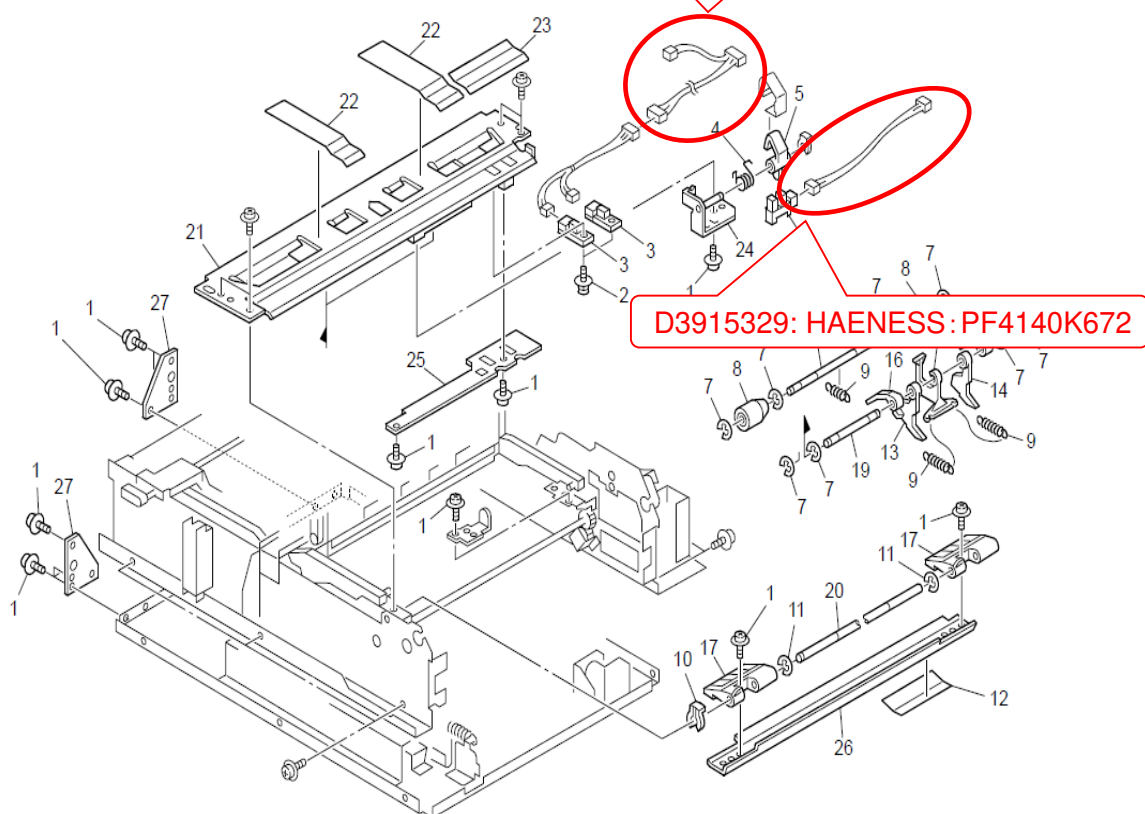
Model: Perfect Binder GB5000		Date: 18-Sep-15	No.: RD391055
Subject: New service part – HARNESS		Prepared by: T. Miyamoto	
From: 1st PP Tech Service Sec., PP Tech Service Dept			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as a new service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3915328	HARNESS:PF4140K747	1	-	117	29	Add
	D3915329	HAENESS : PF4140K672	1	-	117	30	Add

58.Cover Feed Path Section 2 (D391)

D3915328: HARNESS:PF4140K747



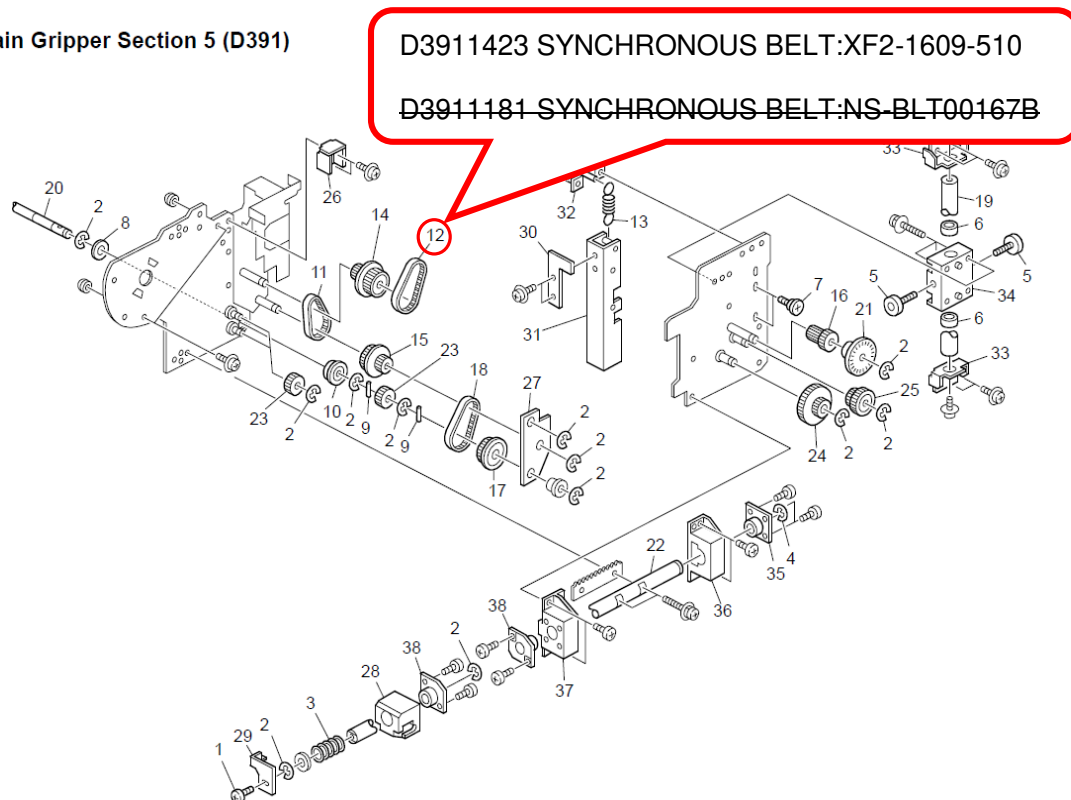
Model: Perfect Binder GB5000		Date: 25-Sep-15	No.: RD391056
Subject: Parts Catalog Correction New service part – SYNCHRONOUS BELT		Prepared by: T. Miyamoto	
From: 1st PP Tech Service Sec., PP Tech Service Dept			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

Please add the following correction to your parts catalog.

New p/n	Description	Q'ty	Int	Page	Index	Note
D3911423	SYNCHRONOUS BELT:XF2-1609-510	1	-	95	12	Add

The timing belt indexed #12 was falsely described as p/n: D391181.
The correct p/n of this timing belt is D1911423.

47.Main Gripper Section 5 (D391)

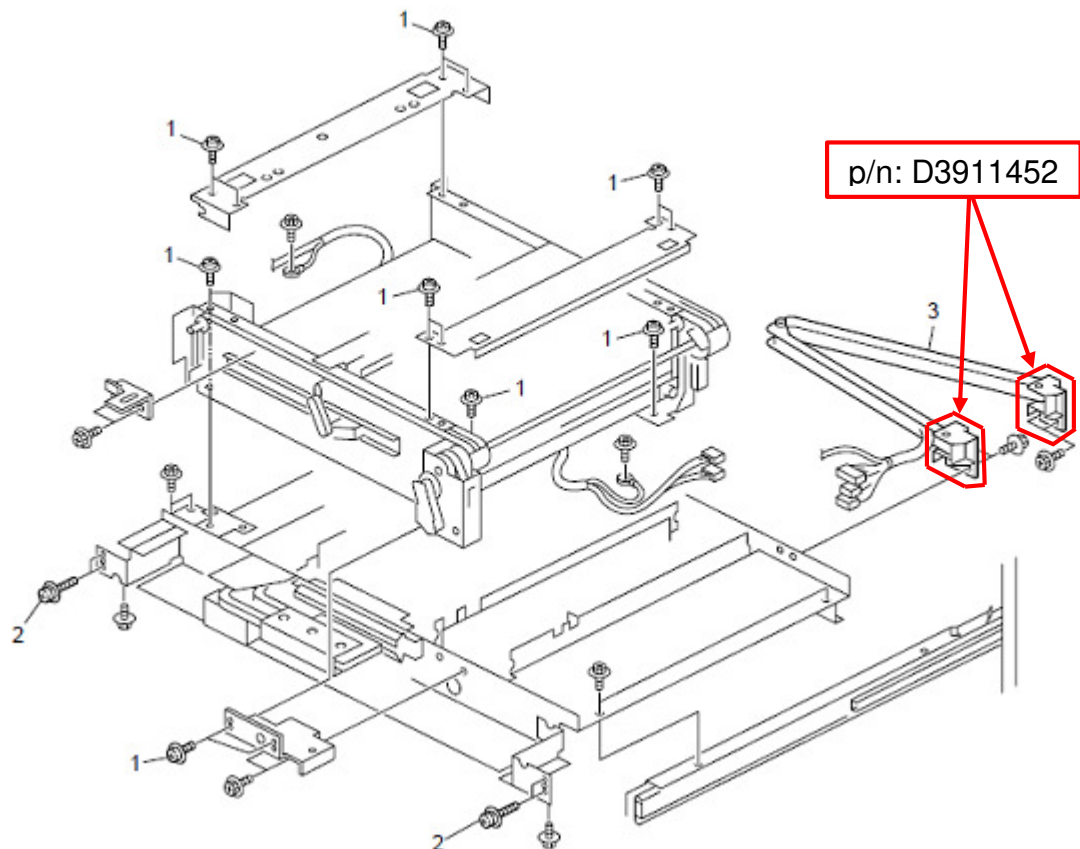


Model: Perfect Binder GB5000		Date: 26-Nov-15	No.: RD391057
Subject: New service part – ARM:FIX:PF4140Q116		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as a new service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3911452	ARM:FIX:PF4140Q116	2	-	153	4	Add

76.Stack Rotation Section 1 (D391)

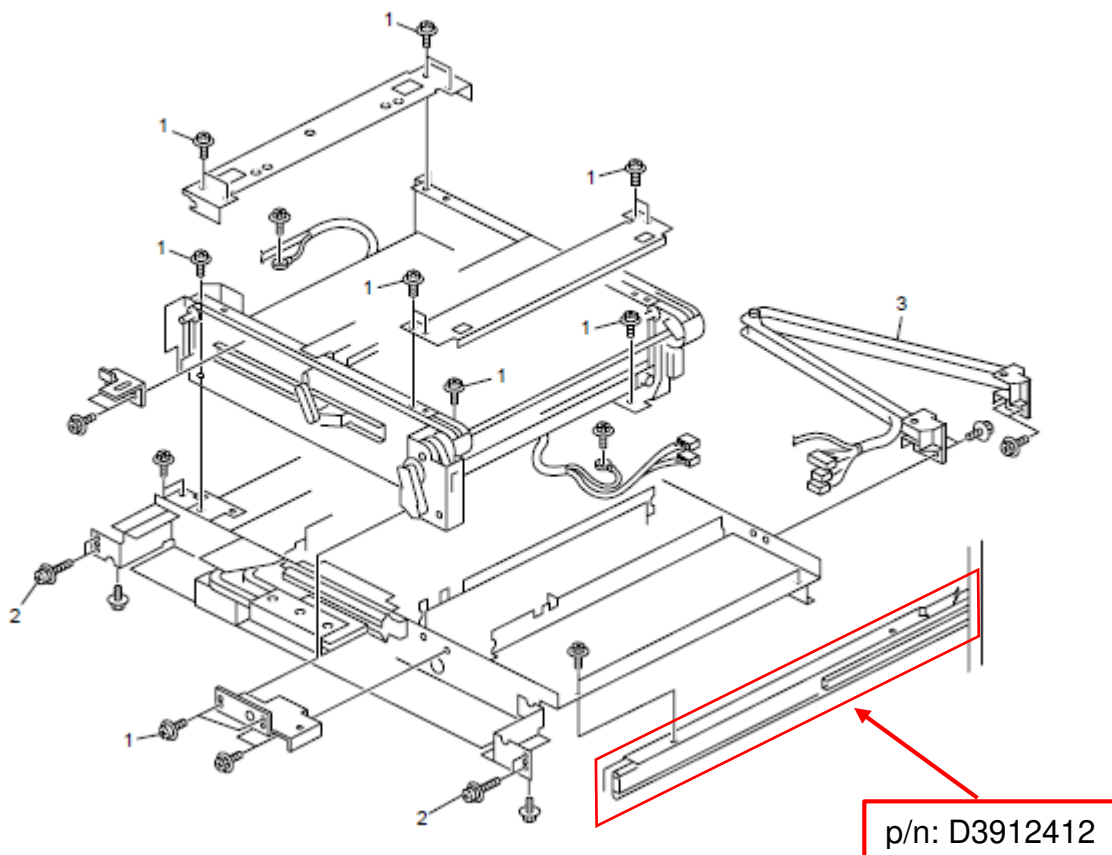


Model: Perfect Binder GB5000		Date: 15-Mar-16	No.: RD391058
Subject: New service part – SLIDE RAIL:PF4140P918A		Prepared by: T. Miyamoto	
From: 1st PP Tech Service Sec., PP Tech Service Dept			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

The following part was registered as a new service part to meet requests received from the field.

Old p/n	New p/n	Description	Q'ty	Int	Page	Index	Note
-	D3912412	SLIDE RAIL:PF4140P918A	1	-	153	5	Add

76.Stack Rotation Section 1 (D391)



NOTES ON REPLACING THE SLIDE RAIL

- 2 people are required to hold the Stack Rotation Unit as this unit is heavy and weighs more than 20kg.
- DO NOT place the Stack Rotation Unit directly on the floor, or some of the components may break. Secure enough space and place it on a support, for example, cardboard boxed placed underneath the four corners of the unit.

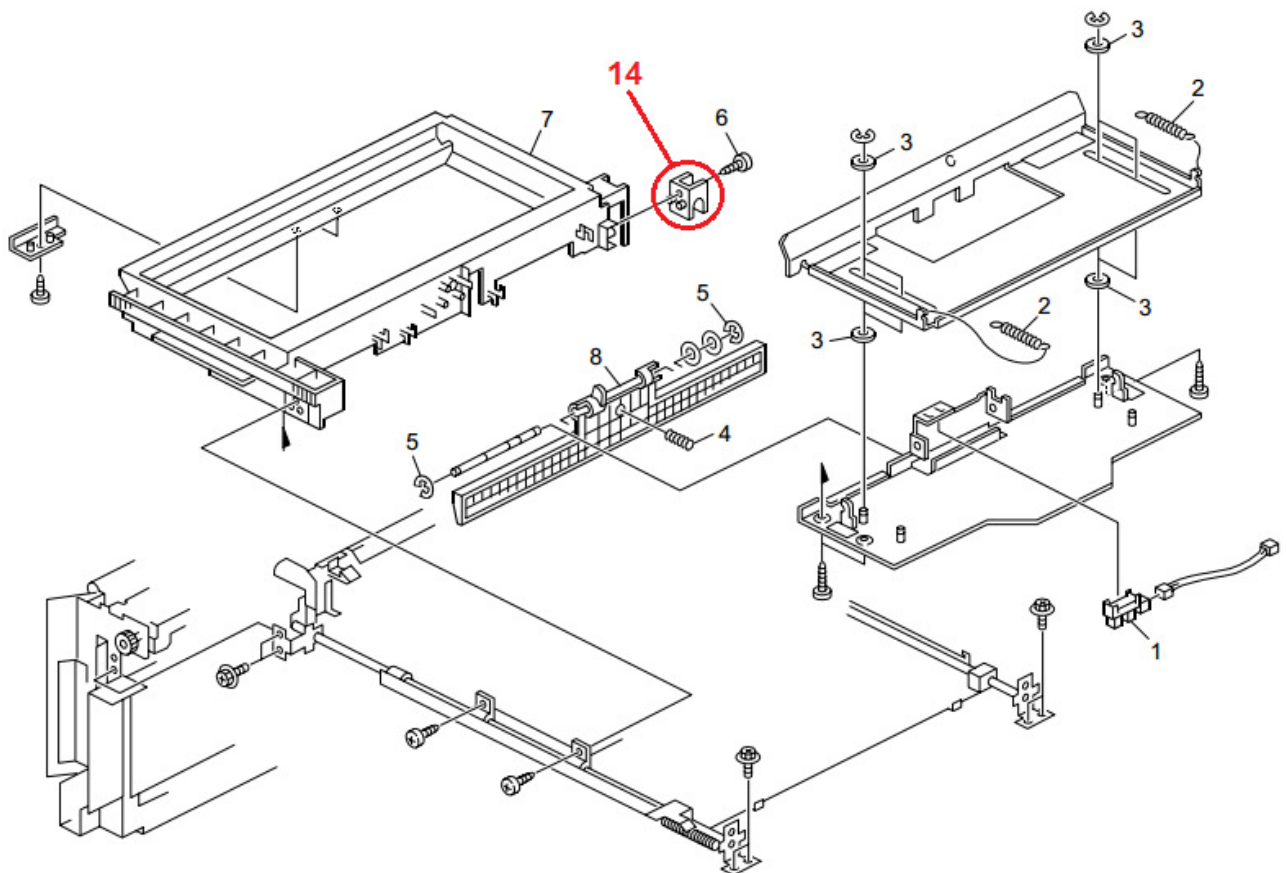
Model: Perfect Binder GB5000 (D391)		Date: 10-Jun-16	No.: RD391059
Subject: Parts information - SLIDER		Prepared by: Rie Shohda	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
-	D3912375	SLIDER:PF4140Q025	1	-	171	14	Add

Change: Addition of the part

Reason: To meet requests from the field.

85.Waste Paper Case Section 3 (D391)



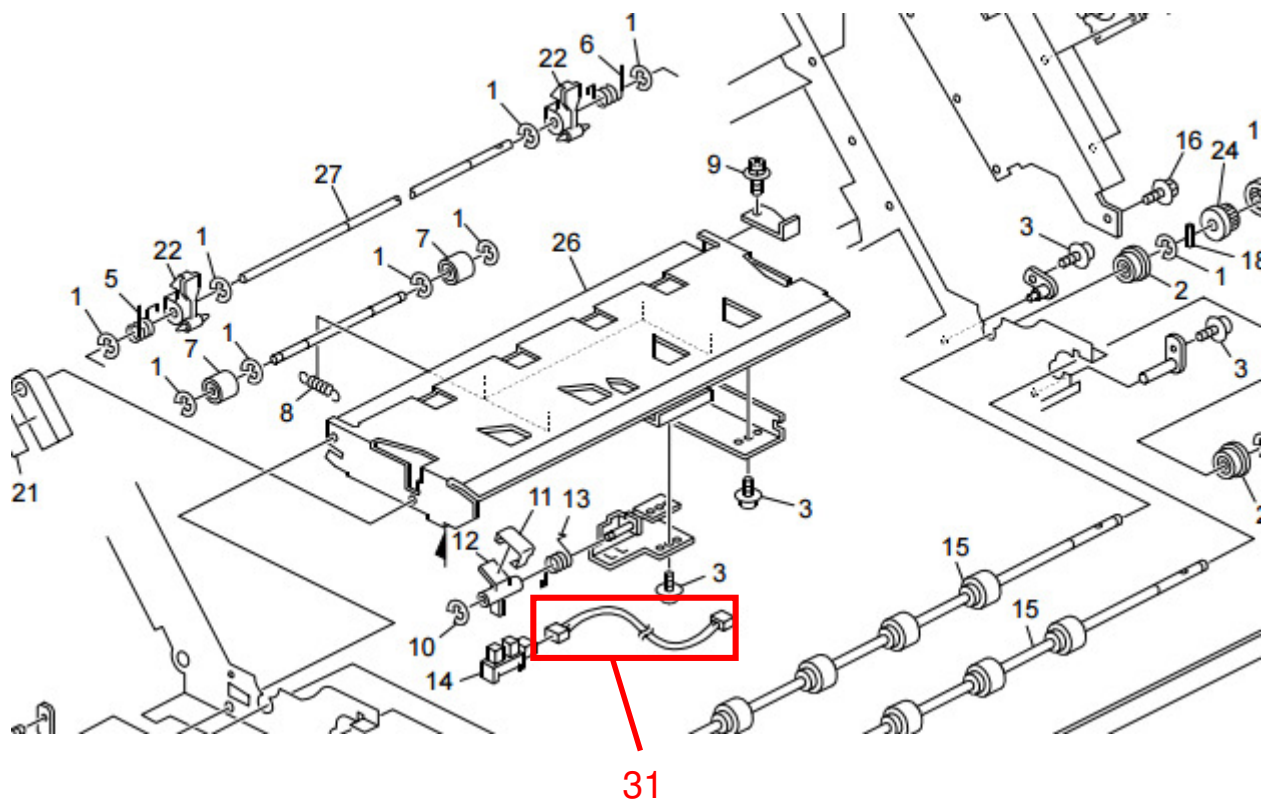
Model: Perfect Binder GB5000 (D391)		Date: 7-Dec-16	No.: RD391060
Subject: New service part - HARNESS:PF4140K686		Prepared by: Rie Shohda	
From: 3rd Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 0.5

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
-	D3915330	HARNESS:PF4140K686	1	-	47	31	Add

Change: The following harness was added as a new service part.

Reason: To meet requests from the field.

23.Signature Transport Section 2 (D391)



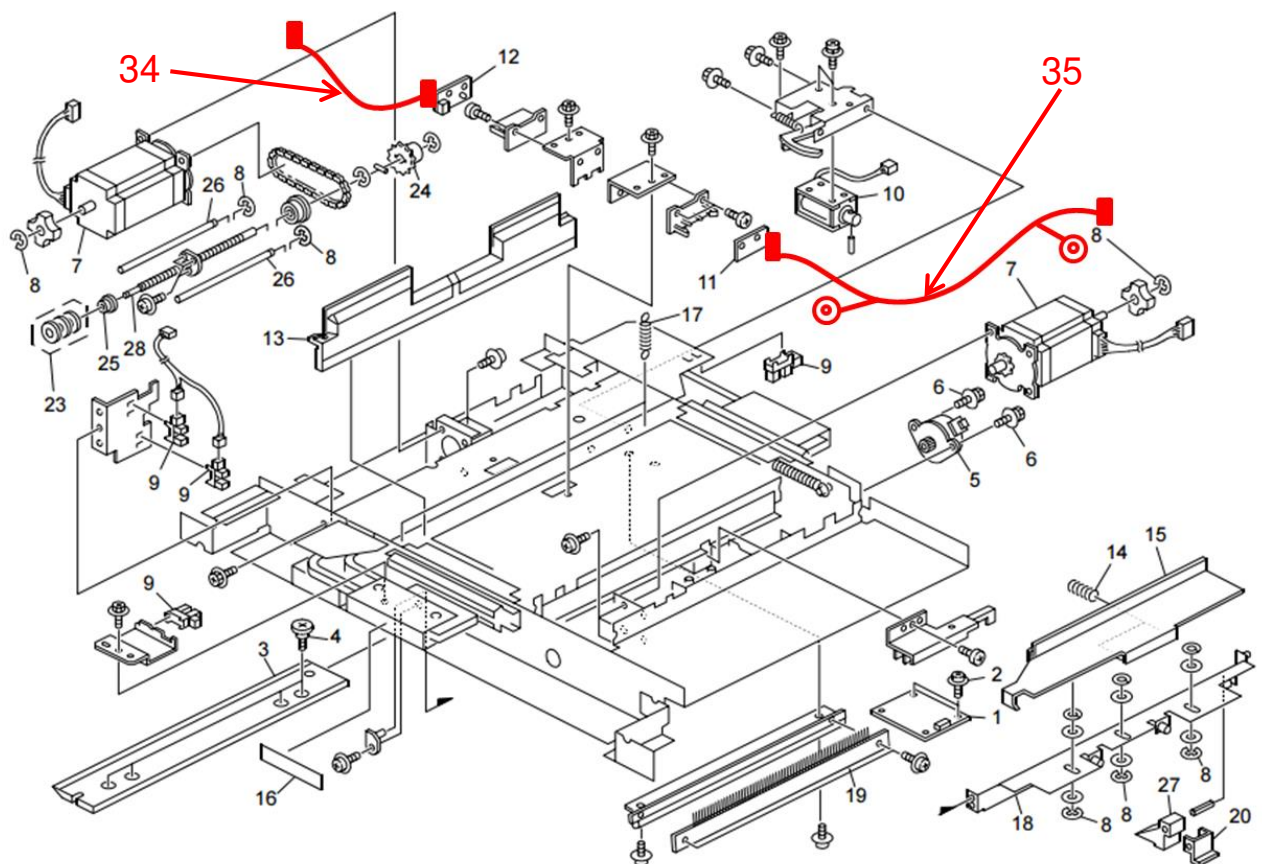
Model: Perfect Binder GB5000 (D391)		Date: 8-Feb-17	No.: RD391061
Subject: New service part – HARNESS of Trimming Section		Prepared by: Rie Shohda	
From: 1st Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 0.5

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
-	D3915010	HARNESS:PF4140K947	1	-	165	34	Add
-	D3915011	HARNESS:PF4140K948	1	-	165	35	Add

Change: Addition of the part

Reason: To meet requests from the field.

82.Trimming Section 1 (D391)



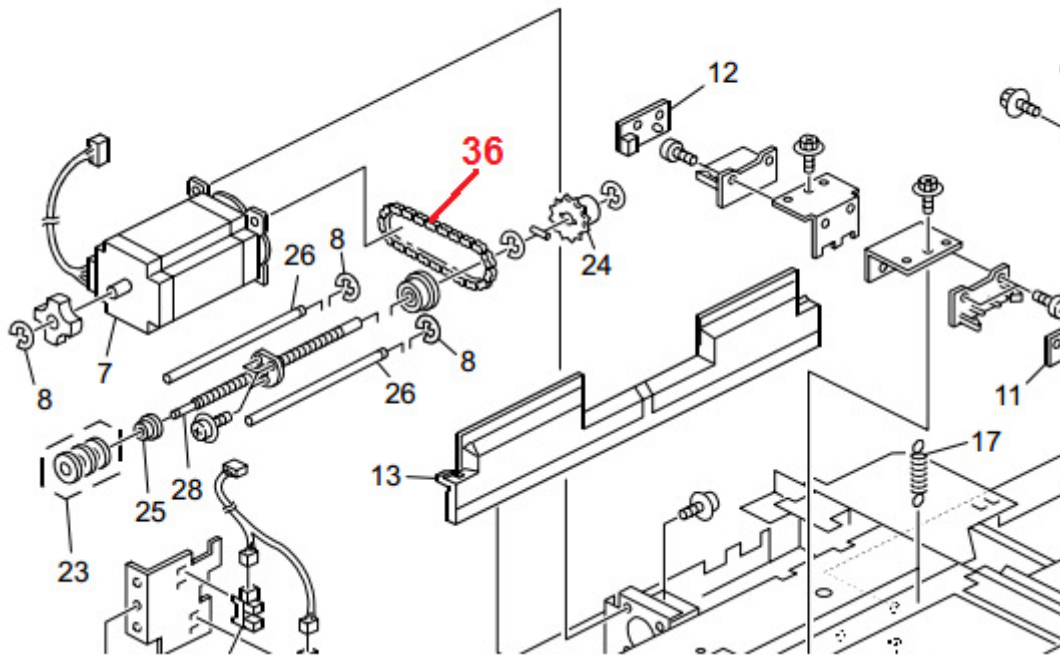
Model: Perfect Binder GB5000 (D391)		Date: 7-Jul-17	No.: RD391062
Subject: New service part – BUSHED ROLLER CHAIN		Prepared by: Rie Shohda	
From: 1st CP Business Department CP Business Center			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 0.5

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
-	D3912415	BUSHED ROLLER CHAIN:PF4140Q427A2	1	-	165	36	Add

Change: Addition of the part

Reason: To meet requests from the field.

82.Trimming Section 1 (D391)



Model: Perfect Binder GB5000 (D391)		Date: 21-Aug-17	No.: RD391063
Subject: New service part – HARNESS of Cutter Control Board		Prepared by: Rie Shohda	
From: 1st Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 0.5

Old part number	New part number	Description	Q'ty	Page	Index	Note
-	D3915012	HARNESS:PF4140K941F1	1	165	46	Add

Change: The above harness was registered as a new service part.

Reason: To meet requests from the field.

This harness is in the trimmer unit, and connects CN477 with CN382, CN383 and J501.

