Technical Bulletin

PAGE: 1/1

Model: Katana	Dat	Date:14-Jul-06		No.: RB234015		
Subject: Service		Prepared by: S. Ishizu				
From: 2nd Tech	Support Sec. Service Support	Dept.				
Classification:	☐ Troubleshooting	☐ Part inf	orma	rmation Actio		n required
	☐ Mechanical	☐ Electric	al		⊠ Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	Retro	fit information
	☐ Product Safety	Other ()		

This document summarizes the corrections in the Service Manual for "Katana" (Machine Code: B234/235/236).

1. Added new step 8 < Page: 1-30>

7. Input the following telephone numbers with SP 5812.

- Service technician telephone number: SP 5812 001
- Service technician fax number: SP 5812 002
- For ordering consumables: SP 5812 003
- Sales representative: SP 5812 004

8. Install the language firmware if necessary.

2. Corrected the procedure <Page: 1-122>

Incorrect

Instruct the key operator to enable the key counter with the User Tools setting:
 User Tools> System Settings> Key Counter Management> ON

Correct

Instruct the key operator to enable the key counter with the User Tools setting:
 User Tools> System Settings> <u>Administrator Tools</u>> Key Counter Management> ON

3. Corrected PM table <Page: 2-8>

Incorrect

Hot roller gears	C/L			Lubricate (Barrierta 55L or SS552R)
------------------	-----	--	--	-------------------------------------

Correct

Hot roller gears	C/I	Lubricate with Grease	
	C/L		Barrierta – JFE5 5/2
			(A2579300)



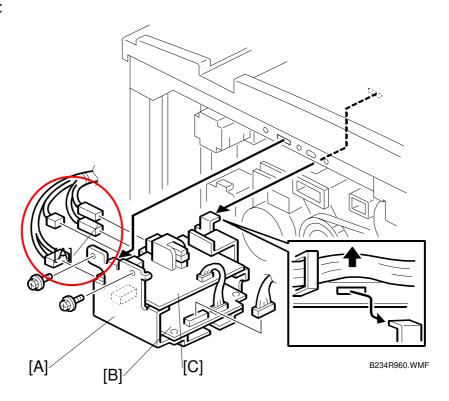
Technical Bulletin

PAGE: 2/2

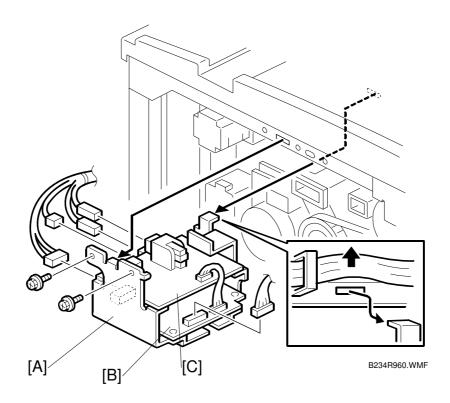
Model: Katana Date:14-Jul-06 No.: RB234015

4. Corrected the Callout <Page: 3-166>

Incorrect:



Correct:

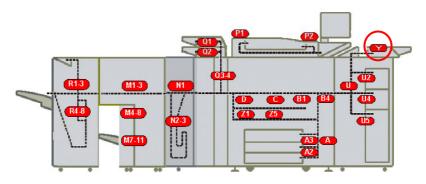


PAGE: 3/3

Model: Katana Date:14-Jul-06 No.: RB234015

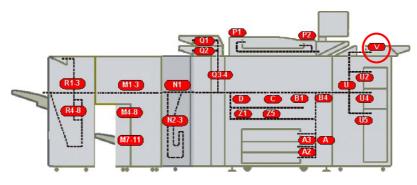
5. Corrected the label "Y" to "V". < Page: 4-5>

Incorrect:



B234T050X.WMF

Correct:



B234T050.WMF



Technical Bulletin

PAGE: 4/4

Model: Katana Date:14-Jul-06 No.: RB234015

6. Added SC876 < Page: 4-51>

1										
SC876	D	Log Data Error								
		The log data has been corrupted at power on, while the machine was								
		operating, or when the machine was powered off during a print or copy cycle. The machine should never be switched off while it is printing or copying.								
00070.4										
SC876-1		Log data file was corrupted at power on or while the machine was operating.	Format the HDD with SP5832-004.							
SC876-2		The log was set for encryption without the encryption module installed:	Install or replace and set the							
			encryption module.							
		At power onWhile the machine was operating	 Enable the log encryption setting. 							
		When the log encryption setting was	Setting.							
		changed.								
SC876-3		At power on, the log encryption key was	Format the disk with							
		disabled, causing an NVRAM malfunction.	SP5832-004.							
SC876-4		At power on, the machine attempted log data	 Format the disk with 							
		encryption with the log encryption setting	SP5832-004.							
		disabled (NVRAM malfunction).								
		At power on, log encryption was attempted with the log encryption setting disabled								
		(NVRAM malfunction).								
SC876-5		Error occurred at power on.	Replace the NVRAM with							
		Only the NVRAM was replaced with an	the original NVRAM.							
		NVRAM from another machine.	Replace the HDD with the							
		-or- original HDD.								
		Only the HDD was replaced with an HDD unit • If the error persists, format								
		from another machine.	the HDD with SP5832-004.							
SC876-99		Cause unknown. The error occurred at power	Contact the Ricoh design							
		on or while the machine was operating.	section.							

SC876: More

If the error persists after doing the procedure described in the table above, do this procedure.

- 1. Switch the machine off, remove the HDD, then switch the machine on.
- 2. Do SP5801-019 then switch the machine off.
- 3. Install the HDD again and switch the machine on.
- 4. Do SP5832-004.
- 5. Cycle the machine off/on.
- 6. Do SP9730-002 and set to "1" (ON).
- 7. Do SP9730-003 and set to "1" (ON).
- 8. Do SP9730-004 and set to "1" (ON).
- 9. Cycle the machine off/on.

Technical Bulletin

PAGE: 5/5

Model: Katana Date:14-Jul-06 No.: RB234015

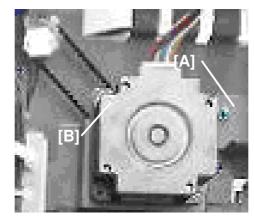
7. Edited title of SP5227 < Page: 5-55>

Old:

5227	Page Numbering
New:	

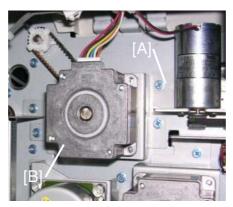
5227	Page Numbering (Bates Stamp)

8. Replace with new photo <B830-34> Old:



B830R901X.BMP

New:



B830R910.BMP



Model: Katana

Technical Bulletin

Date:14-Jul-06 No.: RB234015

PAGE: 6/6

9. Corrected ELECTRICAL COMPONENT SUMMARY < Page: B830-72>

Incorrect:

S38	Stapler Rotation Sensor 2	Paired with Stapler Rotation Sensor 1. This sensor pair controls
		the positioning of the corner stapler for the horizontal, 45° angle,
		and 75° angle stapling positions.

Correct:

S38	Stapler Rotation Sensor 2	Paired with Stapler Rotation Sensor 1. This sensor pair controls
		the positioning of the corner stapler for the <i>horizontal and 45</i> °
		angle stapling positions.



Model: Katana

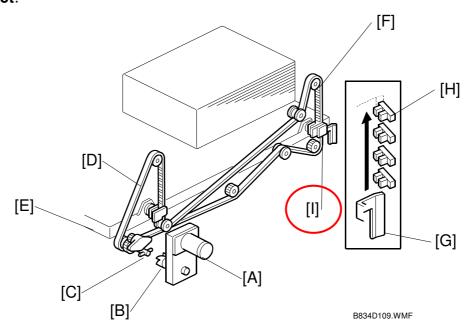
Technical Bulletin

 Ulletin
 PAGE: 7/7

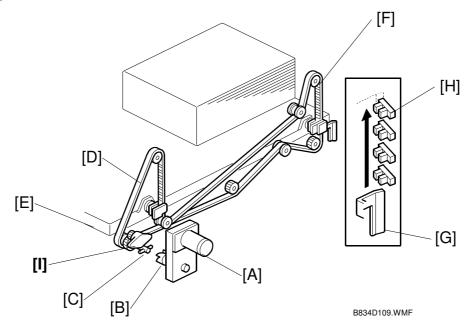
 Date:14-Jul-06
 No.: RB234015

10. Moved callout "[I]" to correct position. <Page: B834-24>

Incorrect:



Correct:



Technical Bulletin

Model: Katana Date:14-Jul-06 No.: RB234015

11. Corrected the ELECTRICAL COMPONENTS < Page: B836-22> Incorrect:

- 1. Horizontal Transport Sensor
- 2. Upper Transport Motor
- 3. Stapling Tray Junction Gate Solenoid
- 4. Finisher Entrance Sensor
- 5. Entrance Motor
- 6. Lower Transport Motor
- 7. Booklet Pressure Roller Solenoid
- 8. Positioning Roller Solenoid
- 9. Main Board (PCB)

- 10. Positioning Roller Motor
- 11. Edge Pressure Plate Solenoid

PAGE: 8/8

- 12. Stack Tray Exit Sensor
- 13. Booklet Stapler Board
- 14. Booklet Output Tray Full SensorRear
- 15. Booklet Output Tray Full Sensor Front
- 16. Front Door Safety Switch
- 17 Small Front Door Open Sensor

Correct:

- 1. Horizontal Transport Sensor
- 2. Upper Transport Motor
- 3. Stapling Tray Junction Gate Solenoid
- 4. Finisher Entrance Sensor
- 5. Entrance Motor
- 6. Lower Transport Motor
- 7. Booklet Pressure Roller Solenoid
- 8. Positioning Roller Solenoid
- 9. Positioning Roller Motor

10. Main Board (PCB)

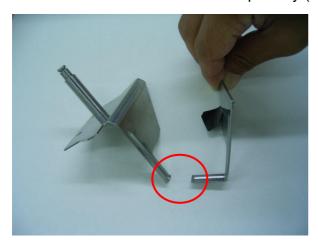
- 11. Edge Pressure Plate Solenoid
- 12. Stack Tray Exit Sensor
- 13. Booklet Stapler Board
- 14. Booklet Output Tray Full SensorRear
- 15. Booklet Output Tray Full Sensor Front
- 16. Front Door Safety Switch
- 17 Small Front Door Open Sensor

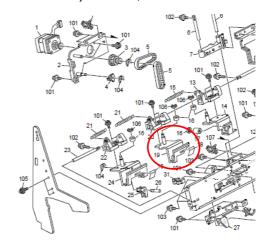
Technical Bulletin

Model: Katana (E	Dat	te: 2-Aug-0)7	No.: RB234036			
Subject: SR5000 Staple Rear Fence Broken					Prepared by: M. Matsuda		
From: 2nd Tech S							
Classification:	Troubleshooting	☐ Part info	orma	tion		required	
		☐ Electric	al		Service	ce manual revision	
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	fit information	
	☐ Product Safety	☐ Other ()			

SYMPTOM

The rear fence for the SR5000 staple tray (P/N: B8304521) breaks, as shown below.

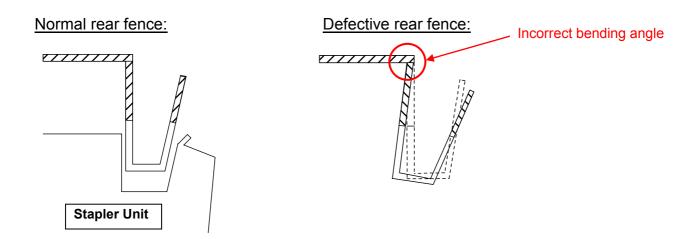




PAGE: 1/2

CAUSE

The bending angle of the rear fence was incorrect from the time of production. As a result, the stapler head may hit the rear fence repeatedly during stapling.



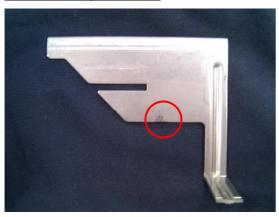
Date: 2-Aug-07

PAGE: 2/2

No.: RB234036

Model: Katana (Bellini-C3)

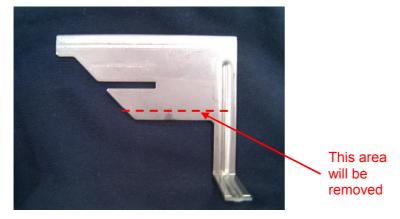
Trace of stapler head:



SOLUTION

Permanent Solution

- The part of the rear fence that can contact the stapler head will be removed.
- A new factory inspection will be added for the rear fence.



Applied from: September 2007 production (new P/N and S/N to be announced by MB).

Temporary Solution (Action in the Field)

Check the rear fence at the next service visit, and replace the rear fence with a inspected rear fence (P/N **B2349905**, FOC) under these conditions:

- If there is a mark on the rear fence where the staple head has hit it
- If this symptom has occurred

Note: The shape of the inspected rear fence mentioned above (P/N **B2349905**) is not changed. It only has an inspected bend angle.

Technical **B**ulletin

PAGE: 1/1

Model: Bellini-C3 Finisher (VICTORIA-E) Date					nte:22-Jul-09			No.: RB8	330001
-									
Subject: STAY: Feeler:Paper Sensor					Prepared by: T. Tadokoro				
From: PPBG	QA/Service Pla	nning Dept.							
Classificatio	n:		⊠ Part info ☐ Electric ☐ Transm	al			Servic	required e manual it informat	
Oldport	Nowen	D	coorintion		O't. /	lo4	Dane	Indox	Moto

Old part	New part	Description	Q'ty	Int	Page	Index	Note
number	number						
B4783554		Guide:Feeler:Paper Sensor	1	0/0	46	11	Delete
B4783552	B4783555	Feeler:Paper Sensor	1	As a set	46	12	

Change/Reason: Vender change.

Technical Bulletin

PAGE: 1/5

Model: AegisP1/	Dat	te: 10-Nov	-09	No.: RG178084			
Subject: Provisi	Prepared by: T.Mimura						
From: PPMC Ser							
Classification:	☐ Troubleshooting	☐ Part info	orma	tion	Action	Action required	
!	☐ Mechanical	☐ Electric	al		Service	ce manual revision	
!	☐ Paper path ☐ Transmit/r			eive	☐ Retrof	fit information	
!	☐ Product Safety	Other ()	☐ Tier2		

SYMPTOM

When stacking the papers in the stack unit, a few sheets don't get adjusted correctly so some sheets don't get stapled.

CAUSE

Paper sticks together because of static electricity.

SOLUTION

Attach the Discharge Brush "B3011216" for Static Electricity Reduction.

Model: AegisP1/C1

Date: 10-Nov-09 No.: RG178084

Instructions

1. Remove the inner cover. (Screws x3)



Inner cover

2. Remove the retaining ring.



Paper exit guide plate Retaining ring



Technical Bulletin

PAGE: 3/5

Model: AegisP1/C1 Date: 10-Nov-09 No.: RG178084

3. Release the tip of the pressure spring (both front & rear) on the paper exit guide plate.

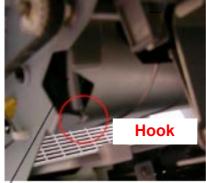


Pressure spring

View of the pressure springs from below



Pressure spring-



Pressure spring-

Model: AegisP1/C1

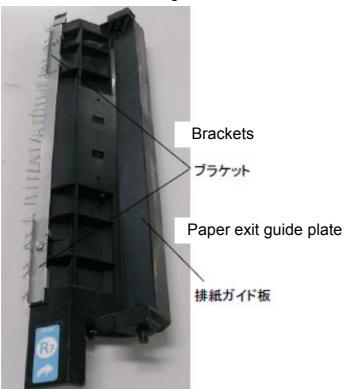
Technical Bulletin

Date: 10-Nov-09 No.: RG178084

PAGE: 4/5

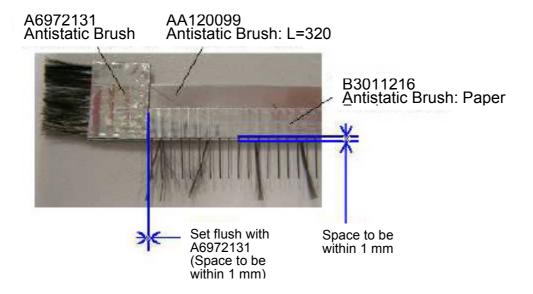
4. Remove the paper exit guide plate from the frame.

Then remove the screws (front & rear) that hold the bracket and the discharge brush. (The bracket and discharge brush are fastened with the same screws.)



5. Attach "B3011216" (discharge brush for individual support) as shown in the photo below, then fasten it with the bracket to the paper exit guide plate.

Attaching Position of the Discharge Brush (for individual support)



Model: AegisP1/C1

Technical Bulletin

Date: 10-Nov-09 No.: RG178084

PAGE: 5/5

Appearance of the paper exit guide plate after attaching the discharge brush



6. Follow the procedure in reverse order to install the paper exit guide plate, and then attach the inner cover.

Modification Bulletin

PAGE: 1/1

Reissued:12-Feb-10

Model: Katana-C1 Finisher SR5000	Date:15-Jan-10	No.: RB830002a
----------------------------------	----------------	----------------

RTB Reissue

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

Modified Article: motor	Replacement of the shirt	Prepared	by: K.Tsutsui	
From: PPBG Ser	vice Planning Department	1G		
Reason for	□ Parts catalog correction	☐ Vendor ch	ange	Other
Modification:	☐ To facilitate assembly	☐ To improve	e reliability	☐ To meet standards
	☐ Part standardization	☐ Product Sa	afety	()

Please apply the following parts number correction to your Finisher SR5000 Parts Catalog.

Old part	New part	Description	Q'ty	Int	Page	Index	Note
number	number						
AX050277	AX050323	DC Motor:24V:9W	1→1	X/O	41	2	-
B8303118	B8303128	Bracket-Upper Lower	1→1	as a set	41	7	-
-	B8303111	DRIVE UNIT:UPPER	0-1	-	41	24	New
		LOWER:ASS'Y					Index

Change: The motor and bracket have been changed to new ones.

The screw number for attaching the motor has been changed 2 to 3.

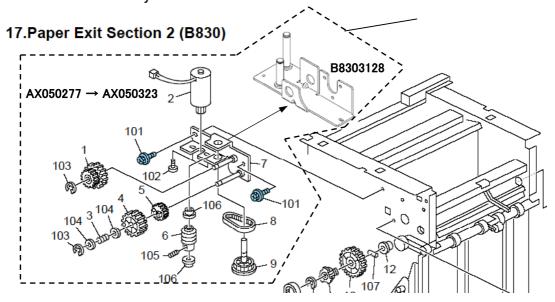
Reason: To enhance the motor durability.

Remarks: When changing the motor from AX050277 to AX050323, you must change the

Bracket from B8303118 to B8303128 at the same time.

After you replace both of the above, you can replace either a Motor or a Bracket

individually



RCL (Japan) Production

110 - (000) 0000		
MODEL NAME	CODE	SERIAL NO.
Finisher SR5000	B830-17	L5890900660
Finisher 3R3000	B830-26	-

Technical Bulletin

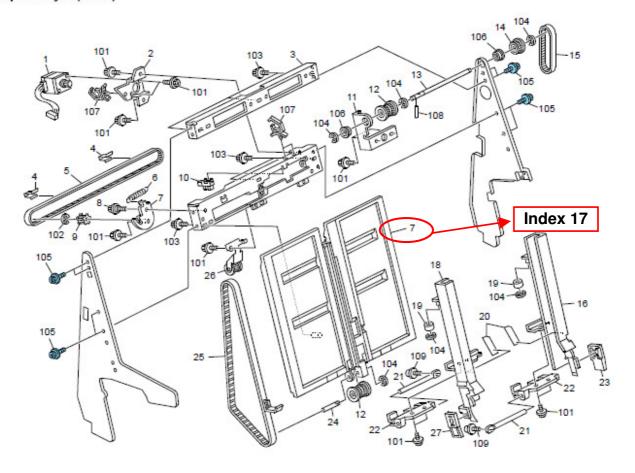
RICOH	lechn	lical B	ull	etın		PAGE: 1 /1
Model: Finisher	SR5000 (B830)		Date: 12-Jan-11		No.: RB830003	
Subject: Parts C	ubject: Parts Catalog Correction – Stapler T		lo.	Prepare	d by: M.	Abe
From: PP Service	e Planning Department 1G					
Classification:	Troubleshooting	□ Part inference □ Part inference □ Part inference □ Part inference □ Part inference □ Part inference □ Part inference □ Part inferen	orma	tion	☐ Action	required
	☐ Mechanical	☐ Electric	al		Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	Retro	fit information
	☐ Product Safety	Other ()	☐ Tier2	

Please apply the following correction to your parts catalog.

B8304711 (Guide Plate-Stapler Tray) was falsely indexed as #7 in the diagram.

The correct index number for this part is #17.

3.Staple Tray 2 (B830)



Technical Bulletin

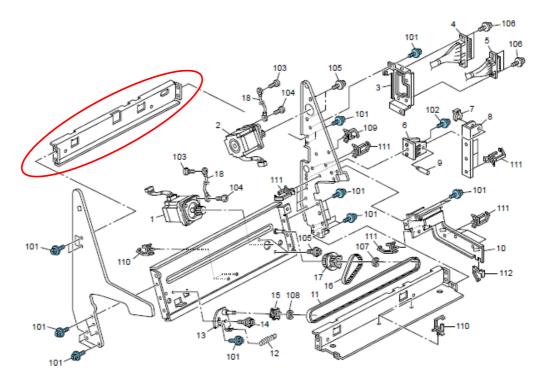
PA	G	E:	1	/1
	Š			, ,

Model: Finisher SR5000 (B830) Dat					-2011	No.: RB830004
Subject: Addition of New Service Part					d by: M.	Abe
From: PP Service Planning Department 1G						
Classification:	☐ Troubleshooting	□ Part inference □	orma	tion	Action	required
	☐ Mechanical	☐ Electric	al		Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	Retro	fit information
	☐ Product Safety	Other ()	☐ Tier2	

The following part was newly registered as a service part based on a request from the field.

P/N	Description	Q'ty	Int	Page	Index	Note
B8304811	STAY:MIDDLE:SLIDE RAIL	1	ı	15	19	Add

4.Staple Tray 3 (B830)



Technical Bulletin

PAGE: 1/3

Model: Finisher	Model: Finisher SR5000 (B830)					No.: RB830005
Subject: P/N of r	Subject: P/N of modified paper exit rollers)hno
From: 1st PP Te	ch Service Sec., PP Tech Se	rvice Dept.				
Classification:	☐ Troubleshooting	⊠ Part info	orma	tion	Action	required
	☐ Mechanical	☐ Electric	al		☐ Service	e manual revision
	it/rec	eive	☐ Retrof	it information		
	☐ Product Safety	Other ()	☐ Tier2	

Change: Rollers that feed out paper to the Shift tray and the Proof tray were modified.

Reason: To prevent roller marks when feeding paper out to the Shift and Proof trays.

Proof tray section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
B8302202	B8302204	EXIT ROLLER: PROOF TRAY: ASS'Y	1	X/X	37	12	1
-	B8302203	SHAFT:EXIT ROLLER: PROOF TRAY	1	-	37	24	Add
-	B4342577	ROLLER: EXIT ROLLER: PROOF TRAY	4	-	37	26	Add

Sub-parts of B8302204 include the newly added B8302203 & B4342577, and the standard 06330120G & 07200060E.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
B8302225	ı	PROOF TRAY GUIDE PLATE - LOWER	1	ı	37	11	Deleted
-	B8302227	GUIDE PLATE: PROOF TRAY: LOWER: SUB-ASS'Y	1	-	37	25	Add
-	B3022229	BRACKET: EXIT ROLLER: PROOF TRAY	1	-	37	23	Add
-	B8302228	GUIDE PLATE: PROOF TRAY: LOWER	1	-	37	21	Add

Replace B8302225 with B8302227.

B3022229 and B8302228 are sub-parts of B8302227.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
AF022148	D4342551	EXIT ROLLER: DRIVEN: PROOF TRAY: ASS'Y	2	X/O	37	4	-
-	AA080237	BUSHING - 4X5X7	4	ı	37	22	Add

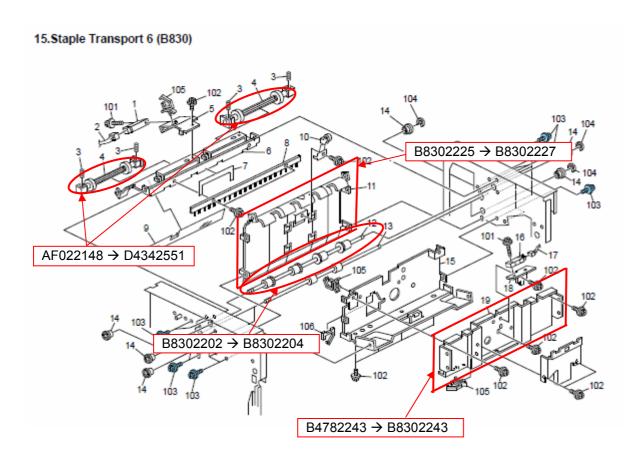
When replacing AF022148 with D4342551, also replace AA080237 as a set.

Technical Bulletin

PAGE: 2/3

Model: Finisher SR5000 (B830) Date: 22-Jun-2012 No.: RB830005

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
B4782243	B8302243	END PLATE: UPPER: EXIT: PROOF TRAY	1	X/O	37	19	-



Technical Bulletin

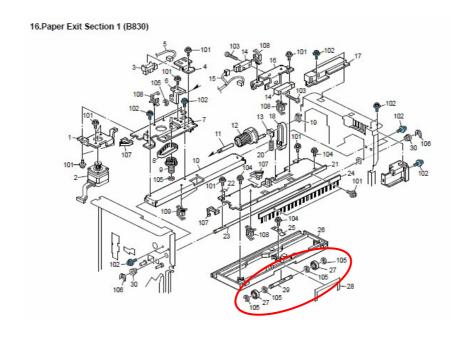
Date: 22-Jun-2012 No.: RB830005

PAGE: 3/3

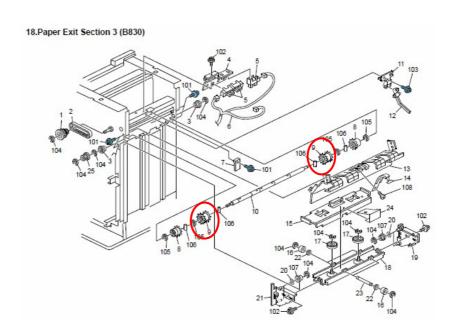
Shift tray section

Model: Finisher SR5000 (B830)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
C3082324	D4342458	EXIT ROLLER: DRIVEN: SHIFT TRAY: ASS'Y	1	X/X	39	29	-
B8302324	-	EXIT ROLLER: DRIVEN	2	-	39	27	Deleted



Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
B8302302	D4342474	ROLLER:EXIT ROLLER:SHIFT	2	X/X	43	9	-



Technical Bulletin

PAGE: 1/1

Model: Finisher SR5000 (B830)				e: 05-Jul-2	2012	No.: RB830006			
Subject: Newly added service part: Jogger Unit ASS'Y					Prepared by: J. Ohno				
From: 1st PP Te	ch Service Sec., PP Tech S								
Classification: Troubleshooting				tion	ion				
	☐ Mechanical ☐ Electric		al	☐ Servi		ice manual revision			
	☐ Paper path ☐ Transmit		iit/rec	eive	e Retrofit information				
	☐ Product Safety ☐ Other ()	☐ Tier2				

Change: Registration of the Jogger Unit as an assembly

Reason: For higher serviceability

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
-	B8303601	UNIFORM UNIT:ASS'Y	1	-	49	*	Add

Note:

Please disregard the information announced in the PCIL (Part Change Information List) regarding the p/n modification from B8303600 to B8303601. B8303600 was registered by mistake and should not have been announced in the PCIL.

When replacing the entire Jogger Unit, place an order for B8303601.

21.Jogger Unit (B830)

