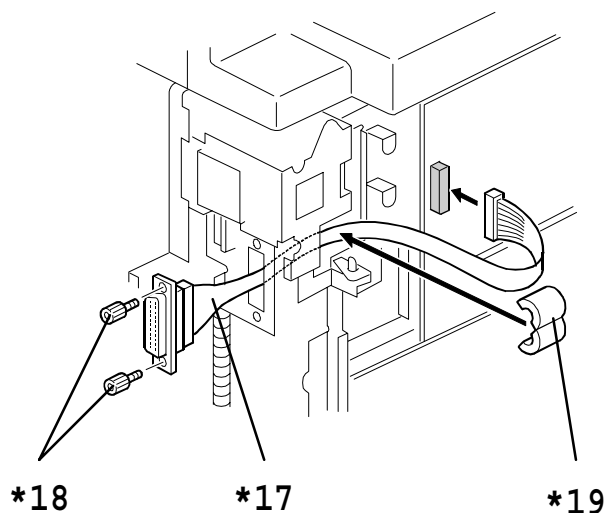


Model: PRIPORT SAPPHIRE		Date: 04-Jun-01	No: M-C235-001
Modified Article: Interface Cable		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☒ Other (To add a new feature)		
Model Name:			
Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630			

From May 2001 production (F011050001~), the interface cable and related parts have been added to enable the installation of external controllers.

Please add the following items to your catalog.



Old #	New #	Description	Qty	Int	Page	Index
	C2365202	Relay Harness	1		85	*17
	C5801550	Stepped Screw – M2.6	2		85	*18
	16070622	Ferrite Core TFC16816	1		85	*19

*: New index

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0110500001~
Ricoh JP8000	120/60	USA, Canada	C235-17	F0110500001~
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	F0110500001~
Ricoh JP8000	230/50	Europe, etc.	C235-27	F0110500001~
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	F0110500001~

Model: PRIORT SAPPHIRE/GARNET/SA2		Date: 10-Mar-03	No: M-C235-002
Modified Article: Power Supply Unit		Prepared by:	
From: Priort Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☒ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

Note that this issue applies only to the SAPPHIRE.

The following has been changed due to parts standardization. As a result, the SAPPHIRE, GARNET and SA2 all use the #C2395300 type only.

Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index	Note
C2365300	C2395300	DC Power Supply Ass'y – 225W	1	O/O	83	12	-

Model: PRIPORT SAPPHIRE/GARNET/SA2**Date:** 10-Mar-03**No:** M-C235-002**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0110100001~
Ricoh JP8000	120/60	USA, Canada	C235-17	F0110100031~
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	F0110100081~
Ricoh JP8000	230/50	Europe, etc.	C235-27	F0110100127~
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	F0110100199~
Standard SD450	120/60	USA, Canada	C239-11	From first mass-production
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	From first mass-production
Ricoh JP5500	230/50	Europe, etc.	C239-27	From first mass-production
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	From first mass-production
Standard SD650	120/60	USA, Canada	C244-11	From first mass-production
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	From first mass-production
Ricoh JP8500	230/50	Europe, etc.	C244-27	From first mass-production
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	From first mass-production

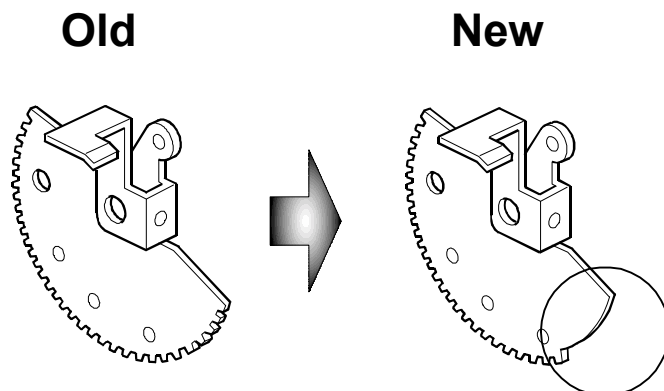
Model: PRIORT SAPHIRE/GARNET/SA2		Date: 11-Mar-03	No: M-C235-003
Modified Article: Sector Gear		Prepared by:	
From: Priort Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

The shape of the sector gear has been changed to ensure gear overrun does not occur.

Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2294052	C2394052	Sector Gear	1	X/O	27	6

NOTE: This new sector gear is available for Pearl, Pearl-MC, SAPHIRE, GARNET and SA2.



Model: PRIPORT SAPPHIRE/GARNET/SA2**Date:** 11-Mar-03**No:** M-C235-003**BACKGROUND****SYMPTOM**

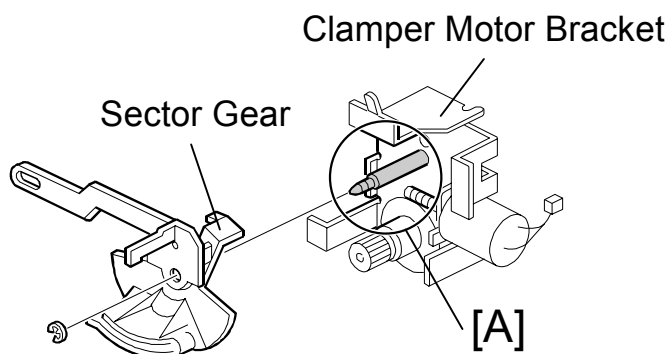
SC05-50 (Clamper close position sensor remains on when opening the clamper) occurs at power-up or during operation.

CAUSE

When the master clamper is being closed, the sector gear (C2294052) overruns.

When replacing the parts, lubricate the shaft [A] where the sector gear and the clamper motor bracket come in contact.

NOTE: Make sure that grease is applied to the places where the sector gear and the clamper motor bracket contact the shaft surface.



Model: PRIPORT SAPPHIRE/GARNET/SA2

Date: 11-Mar-03

No: M-C235-003

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0120200001~
Ricoh JP8000	120/60	USA, Canada	C235-17	February 2002~
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	F0120200015~
Ricoh JP8000	230/50	Europe, etc.	C235-27	F0120200020~
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	F0120400011~
Standard SD450	120/60	USA, Canada	C239-11	F2320400001~
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2320400016~
Ricoh JP5500	230/50	Europe, etc.	C239-27	F2320500038~
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2320400066~
Standard SD650	120/60	USA, Canada	C244-11	F1820800001~
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1820400001~
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1820300001~
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1820700058~

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 13-Mar-03	No: M-C235-004
Modified Article: Parts catalog correction		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☒ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

Please make the following corrections to your Parts Catalogs.

NOTE: This correction is for Sapphire only.

● **Deletion:**

Part number	Description	Qty	Page	Index
C2358600	Operating Instructions - English	1	99	5

● **Addition:**

New part number	Description	Qty	Page	Index
C2351345	Model Name Plate - STD	1	11	10
C2358698	Operating Instructions - English (STD NA)	1	99	5

● **P/N Corrections:**

Incorrect part number	Correct part number	Description	Qty	Page	Index
C2363240	C2363233	Clamp Ass'y	1	39	17
08053134	08053205	Ball Bearing - 10X19X7mm	1	43	113
C2324396	C2334396	Rear Lower Guide	1	49	20
C2324395	C2334395	Front Lower Guide	1	49	30
C2362552	C2362543	Front Side Plate - Ink Supply Roller	1	61	9
C2362556	C2362544	Rear Side Plate - Ink Supply Roller	1	61	17

Part number	Incorrect Description	Correct Description	Qty	Page	Index
C2291309	Upper Door Cover (OEM)	Upper Door Cover (NRG, GES/SVN, STD)	1	11	2
C2358607	Operating Instructions - English	Operating Instructions - English (RIC NA)	1	99	5
C2358690	Operating Instructions - English	Operating Instructions - English (NRG EU)	1	99	5
C2358697	Operating Instructions - English	Operating Instructions - English (GES/SVN NA)	1	99	5

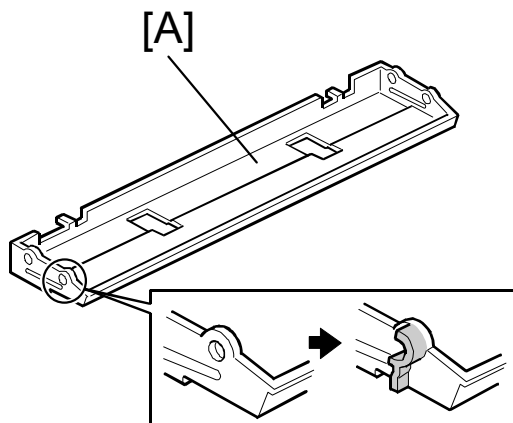
Model: PRIPORT SAPPHIRE/GARNET/SA2**Date:** 13-Mar-03**No:** M-C235-004**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	-
Ricoh JP5500	230/50	Europe, etc.	C239-27	-
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	-
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-
Ricoh JP8500	230/50	Europe, etc.	C244-27	-
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 18-Mar-03	No: M-C235-005
Modified Article: Paper Clamper		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

The strength of the paper clamper base [A] has been increased to improve reliability. Due to this modification, the shapes of the clamper arm and shaft have also been changed.

NOTE: The same paper clamper is used on the SAPPHIRE, GARNET and SA2.



Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2363256	C2443256	Clamper Arm Assembly	1	X/O as a set	39	9
C2363233	C2443233	Clamp Assembly	1		39	17
C2363264	C2443264	Clamper Base	1		39	18
C2363005	C2443005	Drum Clamp Assembly	1	X/O	39	19

Garnet/SA2 parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2363256	C2443256	Clamper Arm Assembly	1	X/O as a set	29	9
C2363245	C2443245	Clamper Shaft	1		29	18
C2363264	C2443264	Clamper Base	1		29	21
C2363005	C2443005	Drum Clamp Assembly	1	X/O	29	22

Model: PRIPORT SAPPHIRE/GARNET/SA2

Date: 18-Mar-03

No: M-C235-005

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0130400001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2330400001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1830400001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	

Reissued: 2-Mar-04

Serial Number Update

The Serial Number information has been updated.

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 1-Apr-03	No: M-C235-006a
Modified Article: Ink Detection Board		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

The ink detection board has been changed to ensure ink misdetections and ink leaks do not occur. When replacing this part, please be sure to perform the adjustment described below.

Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index	Note
C2295140	C2395140	Ink Detection Board	1	X/O	53	15	-

Garnet/SA2 parts catalog

Old #	New #	Description	Qty	Int	Page	Index	Note
C2295140	C2395140	Ink Detection Board	1	X/O	43	15	-

Reissued: 2-Mar-04

Model: PRIPORT SAPPHIRE/GARNET/SA2

Date: 1-Apr-03

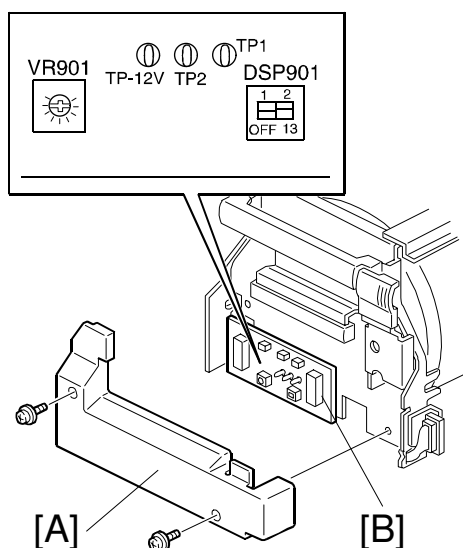
No: M-C235-006a

INK DETECTION ADJUSTMENT

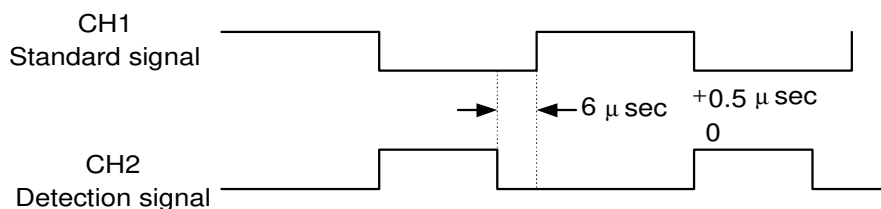
CAUTION: Before performing this procedure, wipe off the ink around the ink roller. To do this, set SP2-2-1 (Ink detection) to OFF, and feed the paper until the ink reaches the end condition. After completing the following procedure, make sure to return SP2-2-1 to its default (ink detection ON).

PROCEDURE:

1. Remove the drum front cover [A].
2. On the ink detection board [B], connect the probes and the grounding lead of an oscilloscope as follows:
 - Probe CH1 to TP1
 - Probe CH2 to TP2
 - Grounding lead to TP-12V (select the 5 μ range.)



3. Turn ON the main switch.
4. Make sure that the waveform is as shown in the top half of the following diagram when the ink detection pin is not in contact with the ink.



5. If incorrect, adjust the standard signal by turning VR901 on the ink detection board.

Reissued: 2-Mar-04

Model: PRIPORT SAPPHIRE/GARNET/SA2

Date: 1-Apr-03

No: M-C235-006

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0130100001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2330200001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2330100001
Ricoh JP5500	230/50	Europe, etc.	C239-27	F2330100051
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2330100068
Standard SD650	120/60	USA, Canada	C244-11	F1830100001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1830100016
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1830200029
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1830100022

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2130100001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2230200001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	F0330100001
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	F0430200001

Reissued: 2-Mar-04

Serial Number Update

The Serial Number information has been updated.

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 3-Sep-03	No: M-C235-007a
Modified Article: Ink leaks		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

Please note the following two modifications applied and their accompanying P/N changes.

Modification 1: Sapphire, SA2, Garnet.

The shape of the bearing holder has been changed to ensure that ink is evenly applied to the drum screen and ink leaks do not occur.

Modification 2: Sapphire, SA2.

The home position of the drum idling roller has been changed to ensure that ink is evenly applied to the drum screen and ink leaks do not occur.

Important: When replacing the following parts, be sure to perform the adjustments in RTB #RC229013.

Sapphire:

Modification 1						
Old #	New #	Description	Qty	Int	Page	Index
C2014665	C2362468	Bearing Holder	2	X/O as a set	61	2
03130040Z	-	-	4->0		61	102
-	09513006Z	Philips Screw With Flat Washer - M3	2		61	104
-	A2596239	Screw - M3X4	2		61	*37
C2362305	C2362317	Ink Supply Roller Assembly	1	X/O	61	34
Modification 2						
Old #	New #	Description	Qty	Int	Page	Index
C2292557	C2362575	Ink Supply Roller Arm	2	X/O as a set	61	8
C2362543	C2362570	Front Side Plate – Ink Supply Roller	1		61	9
C2362544	C2362573	Rear Side Plate – Ink Supply Roller	1		61	17
C2362558	C2362576	Blade Bracket	1		61	30
C2362317	C2362318	Ink Supply Roller Assembly	1	X/O	61	34

NOTE: As shown above, with modification 2, the most recent P/N for the Ink Supply Roller Assembly on this model is C2362318.

Reissued: 2-Mar-04

Model: PRIORT SAPPHIRE/GARNET/SA2	Date: 3-Sep-03	No: M-C235-007a
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SA2:

Modification 1						
Old #	New #	Description	Qty	Int	Page	Index
C2014665	C2362468	Bearing Holder	2	X/O as a set	51	2
03130040Z	-	-	4->0		51	102
-	09513006Z	Philips Screw With Flat Washer - M3	2		51	104
-	A2596239	Screw - M3X4	2		51	*36
C2362305	C2362317	Ink Supply Roller Assembly	1		51	34
Modification 2						
Old #	New #	Description	Qty	Int	Page	Index
C2292557	C2362575	Ink Supply Roller Arm	2	X/O as a set	51	8
C2362543	C2362570	Front Side Plate – Ink Supply Roller	1		51	9
C2362544	C2362573	Rear Side Plate – Ink Supply Roller	1		51	17
C2362558	C2362576	Blade Bracket	1		51	30
C2362317	C2362318	Ink Supply Roller Assembly	1	X/O	51	34

NOTE: Just as with the Sapphire, with modification 2, the most recent P/N for the Ink Supply Roller Assembly on this model is C2362318.

Garnet:

Modification 1						
Old #	New #	Description	Qty	Int	Page	Index
C2014665	C2362468	Bearing Holder	2	X/O as a set	51	2
03130040Z	-	-	4->0		51	102
-	09513006Z	Philips Screw With Flat Washer - M3	2		51	104
-	A2596239	Screw - M3X4	2		51	*36
C2392305	C2392317	Ink Supply Roller Assembly	1		51	34

Reissued: 2-Mar-04

Model: PRIPORT SAPPHIRE/GARNET/SA2

Date: 3-Sep-03

No: M-C235-007a

Illustration for new parts listed above - Modification 1:

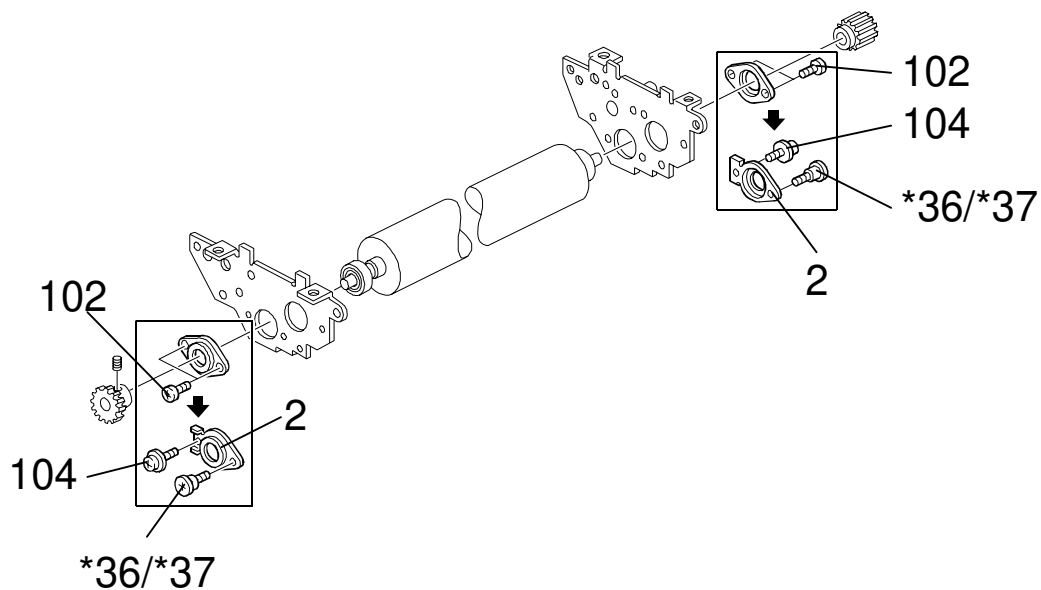
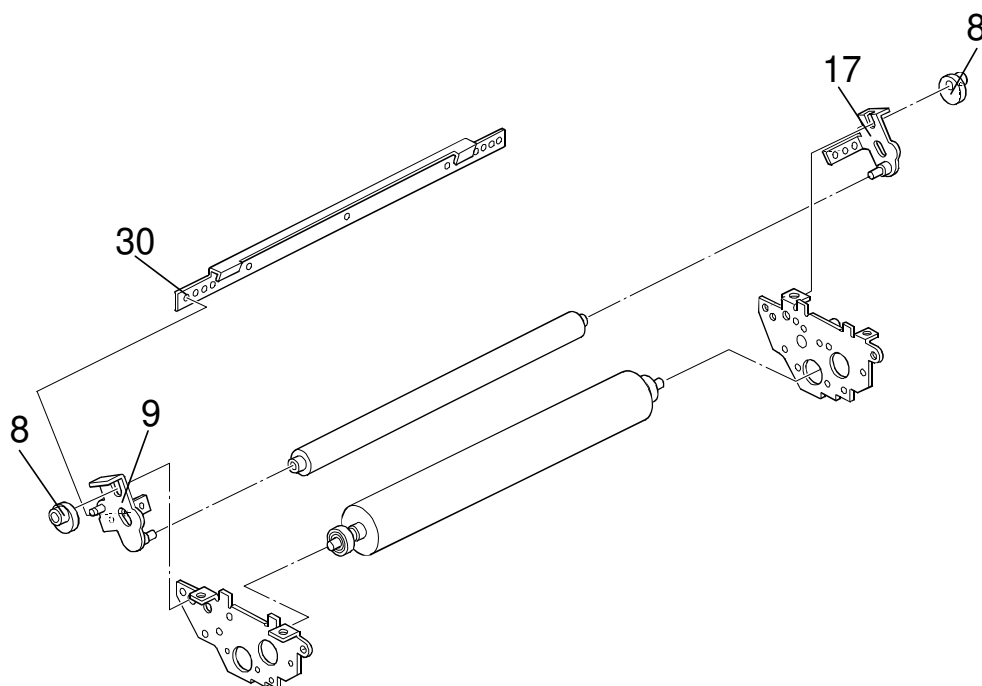


Illustration for new parts listed above - Modification 2:



Reissued: 2-Mar-04

Model: PRIPORT SAPPHIRE/GARNET/SA2

Date: 3-Sep-03

No: M-C235-007a

CUT-IN SERIAL NUMBERS

Modification 1:

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0130800001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2330700001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2330800031
Ricoh JP5500	230/50	Europe, etc.	C239-27	F2330700035
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2330700071
Standard SD650	120/60	USA, Canada	C244-11	F1830700001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1830800001
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1830700008
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1830800054

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2130700001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2230700001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	F0330700001
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	F0430700001

Modification 2:

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0130800001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD650	120/60	USA, Canada	C244-11	F1830900004
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1830800001
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1830900001
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	October 2003~

Model Name	Destination	Code	Serial Number
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	F0330900001
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	F0430900001

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 3-Sep-03	No: M-C235-008
Modified Article: Parts catalog correction		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☒ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

Please make the following corrections to your Parts Catalogs.

● Deletion:

Garnet Parts Catalog

Part Number	Description	Qty	Page	Index
C2392303	Drum Unit - DLT	1	43	*
C2392309	Drum Unit - DLT	1	43	*

● Addition:

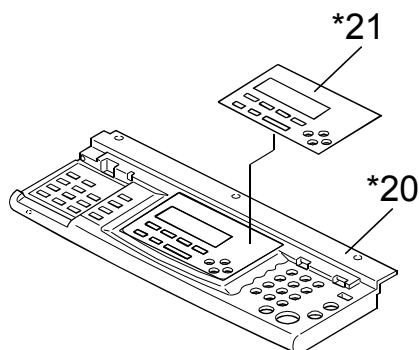
Sapphire Parts Catalog

Part Number	Description	Qty	Page	Index
C2351510	Operation Panel Case - NA	1	15	*20
C2351471	Operation Panel Case - EU	1	15	*20
C2291511	Sheet - Display Board Monitor - NA	1	15	*21
C2291514	Sheet - Display Board Monitor - EU	1	15	*21

SA2 Parts Catalog

Part Number	Description	Qty	Page	Index
C2441510	Operation Panel Case - NA	1	7	*20
C2441517	Operation Panel Case - EU	1	7	*20

*: New index



Model: PRIPORT SAPPHIRE/GARNET/SA2**Date:** 3-Sep-03**No:** M-C235-008**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	-
Ricoh JP5500	230/50	Europe, etc.	C239-27	-
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	-
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-
Ricoh JP8500	230/50	Europe, etc.	C244-27	-
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 2-Oct-03	No: M-C235-009
Modified Article: Paper Length Sensor		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

The paper length sensor has been changed to ensure paper size misdetections do not occur. Please refer to RTB #RC229014 for more details.

Sapphire Parts catalog

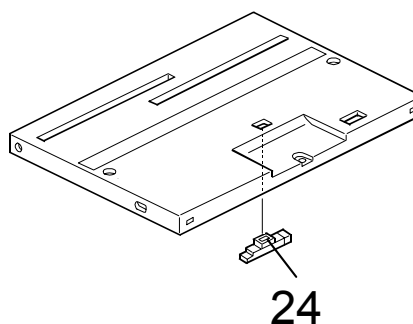
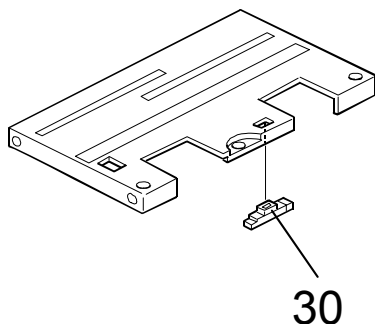
Old #	New #	Description	Qty	Int	Page	Index
C2295807	C2445807	Photosensor - GP2A210LCSJ	1	X/O	29	30

SA2 Parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2295807	C2445807	Photosensor - GP2A210LCSJ	1	X/O	19	30

Garnet Parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2295807	C2445807	Photosensor - GP2A210LCSJ	1	X/O	19	24



Model: PRIPORT SAPPHIRE/GARNET/SA2**Date:** 2-Oct-03**No:** M-C235-009**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0131000001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2331000001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1831000001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	

Reissued: 2-Mar-04

Serial Number Update

Serial Number information has been updated.

Model: PRIPORT SAPPHIRE/GARNET/SA2		Date: 9-Oct-03	No: M-C235-010a
Modified Article: Mylar peeling		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			

The adhesive between the metal screen shield [A] and metal screen [B] has been strengthened and the shape of the metal screen mylar [C] changed to ensure the Mylar stays properly fixed in place.

NOTE: The metal screen mylar [C] also includes the metal screen shield [A].

Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362493	C2362652	Drum Metal Screen Shield (A3)	1	X/O	55	4
C2362496	C2362655	Drum Metal Screen Shield (DLT)	1	X/O	55	4
C6052493	C6052496	Drum Metal Screen Shield (A4)	1	X/O	55	4
C2362491	C2362651	Drum Metal Screen Assembly (A3)	1	X/O	55	8
C2362495	C2362654	Drum Metal Screen Assembly (DLT)	1	X/O	55	8
C6052491	C6052495	Drum Metal Screen Assembly (A4)	1	X/O	55	8

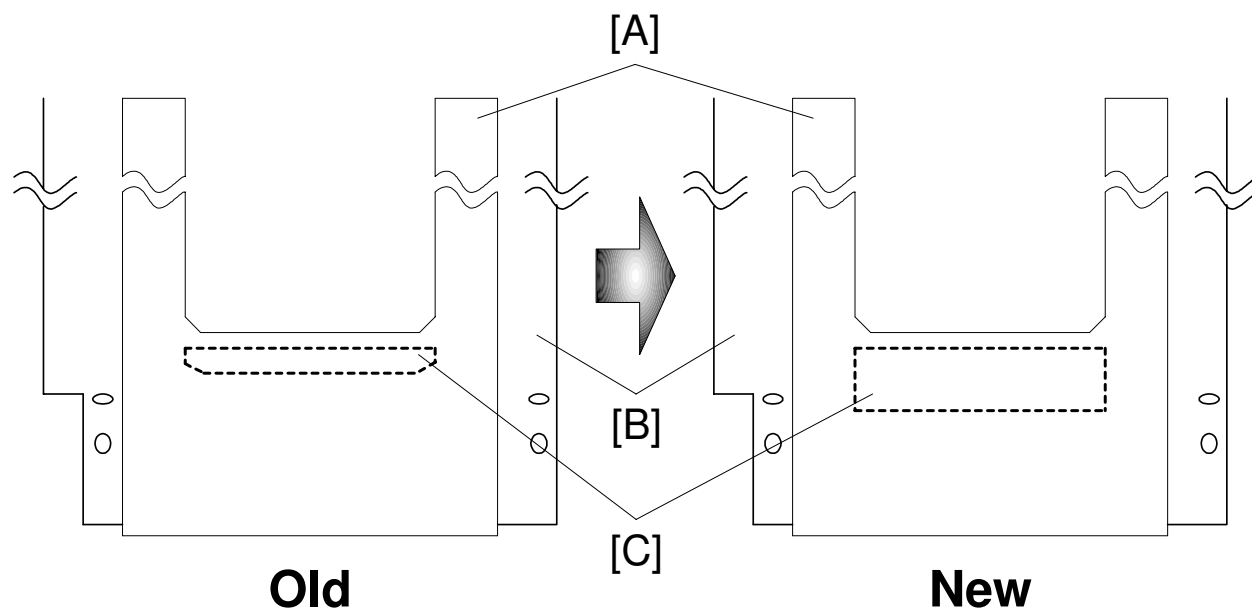
SA2 parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362493	C2362652	Drum Metal Screen Shield (A3)	1	X/O	45	4
C2362496	C2362655	Drum Metal Screen Shield (DLT)	1	X/O	45	4
C6052493	C6052496	Drum Metal Screen Shield (A4)	1	X/O	45	4
C2362491	C2362651	Drum Metal Screen Assembly (A3)	1	X/O	45	8
C2362495	C2362654	Drum Metal Screen Assembly (DLT)	1	X/O	45	8
C6052491	C6052495	Drum Metal Screen Assembly (A4)	1	X/O	45	8

Garnet parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392653	C2392657	Drum Metal Screen Shield (A3)	1	X/O	45	4
C2392661	C2392659	Drum Metal Screen Shield (DLT)	1	X/O	45	4
C6052493	C6052496	Drum Metal Screen Shield (A4)	1	X/O	45	4
C2392491	C2392656	Drum Metal Screen Assembly (A3)	1	X/O	45	8
C2392660	C2392658	Drum Metal Screen Assembly (DLT)	1	X/O	45	8
C5872660	C5872662	Drum Metal Screen Assembly (A4)	1	X/O	45	8

Reissued: 2-Mar-04

Model: PRIPORT SAPPHIRE/GARNET/SA2**Date:** 9-Oct-03**No:** M-C235-010a**[A] Metal Screen Shield****[B] Metal Screen****[C] Metal Screen Mylar**

Reissued: 2-Mar-04

Model: PRIPORT SAPPHIRE/GARNET/SA2	Date: 9-Oct-03	No: M-C235-010a
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CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0131000001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2331000001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1830900004
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1830800001
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1830900001
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1831000027

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2131200001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2230900001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	F0330900001
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	F0430900001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 27-Nov-03	No: M-C235-011
Modified Article: New Model SA2P information (China only)		Prepared by:	
From: Priport Service Planning Section		M. Ohtsubo	
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☒ Other (New model information)		
Model Name:			
SAPPHIRE:	Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630		
GARNET:	Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150		
SA2:	Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180		
SA2P (China only):	Ricoh JP8510P, Gestetner 5500P		

This bulletin lists the components unique to Model SA2P (C255). Please add this list and accompanying illustration to your SA2 (C244) Parts Catalogs.

Notes: Please also see RTB #R-C229-017 for revisions made to the Service Manual due to minor changes applied to Model SA2P.

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 27-Nov-03

No: M-C235-011

1. EXTERIOR 1

Sec	Index	Parts No.	Description	Q'ty	Page
1	21	C255 1340	Decal – Emblem JP8510P	1	3
1	21	C255 1341	Decal – Emblem 5500P	1	3

2. EXTERIOR 2

Sec	Index	Parts No.	Description	Q'ty	Page
2	3	C229 1358	Decal- Cylinder Operation – CHN	1	5
2	6	C255 1459	Operation Panel Ass'y – CHN	1	5
2	7	C233 1291	Decal - Caption LED – CHN	1	5

3. OPERATION PANEL

Sec	Index	Parts No.	Description	Q'ty	Page
3	2	C255 1522	Sheet - On Line – CHN	1	7
3	3	C255 1523	Behind Sheet – CHN	1	7
3	19	C255 1521	Sheet - Display Board Monitor – CHN	1	7

20. DELIVERY TABLE 1

Sec	Index	Parts No.	Description	Q'ty	Page
20	20	C238 4397	Rear Lower Guide – CHN	1	41
20	30	C238 4398	Front Lower Guide – CHN	1	41

21. DRUM UNIT 1

Sec	Index	Parts No.	Description	Q'ty	Page
21	21	C229 1353	Decal - Drum Operation – CHN	1	43
21	27	C229 2318	Drum Rail Ass'y – CHN	1	43

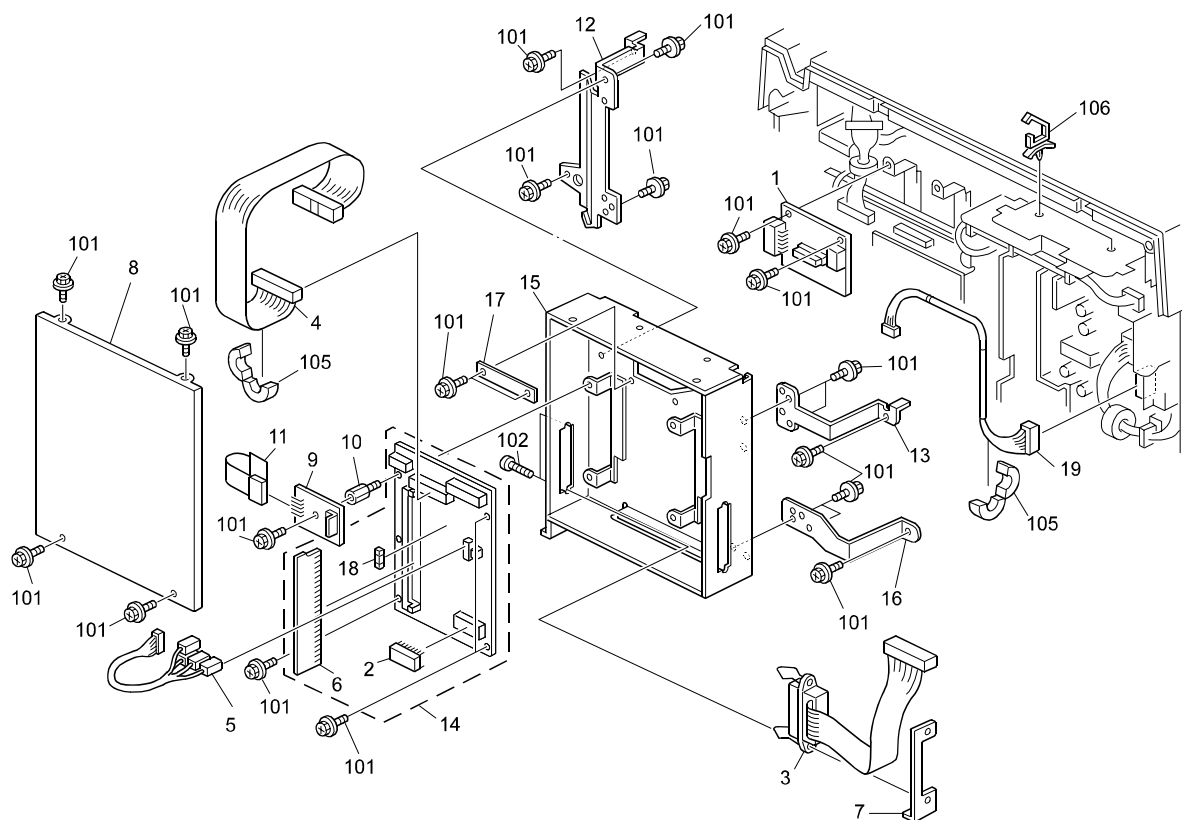
37. ELECTRICAL SECTION 2

Sec	Index	Parts No.	Description	Q'ty	Page
37	16	C255 5838	Power Supply Cord – CHN	1	75
21	27	C229 2318	Drum Rail Ass'y – CHN	1	43

40.DECALS AND DOCUMENTS

Sec	Index	Parts No.	Description	Q'ty	Page
40	5	C255 8606	Operating Instructions – CHN (RIC/GES)	1	87

27. PRINTER CONTROLLER UNIT



Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 27-Nov-03

No: M-C235-011

Sec	Index	Parts No.	Description	Q'ty	Note
27	1	C607 5150	Video I/F Board	1	
27	2	C613 5012	Flash Memory	1	
27	3	C249 5415	Interface Harness	1	
27	4	C253 5401	Flat Cable	1	
27	5	C249 1002	Panel Harness	1	
27	6	C613 5005	SIMM 16MB	1	
27	7	C249 5646	Plate	1	
27	8	C613 5645	Shading Plate	1	
27	9	C613 1005	Keypad PCB	1	
27	10	C249 5659	Keypad PCB Stud	1	
27	11	C613 1011	Panel	1	
27	12	C607 5651	Stand – Left	1	
27	13	C607 5652	Stand – Right	1	
27	14	C613 5297	Controller Board	1	
27	15	C613 5631	Controller Box	1	
27	16	C607 5653	Stand – Lower Right	1	
27	17	C218 3039	Flat Cable Clamp	1	
27	18	11070914	Fuse 451001.MR	1	
27	19	C255 5301	Controller Power Cable	1	
27	101	04513006B	Tapping Screw – M3x6		
27	102	03530080Z	Philips Trass Head Screw – M3x8		
27	103	07120030B	Hexagon nut – M3		
27	104	04514006B	Tapping Screw - 4x6		
27	105	16070663	Ferrite Core		
27	106	11050310	Harness Clamp		
27	-	C613 6036	CDROM – CHN		
27	-	C613 8626	Operating Instructions – CHN		

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 8-Jan-04	No: M-C235-012
Modified Article: Ink pump case		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

The shape of the ink pump case (P/N #C2292532) has been changed to further ensure proper ink supply to the drum.

Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292532	C2362532	Pump Case	1	X/O	57	15
C2362501	C2362508	Drum Pump Assembly	1	X/O	57	29
C2292502	C2362510	Ink Pump Assembly	1	X/O	57	44

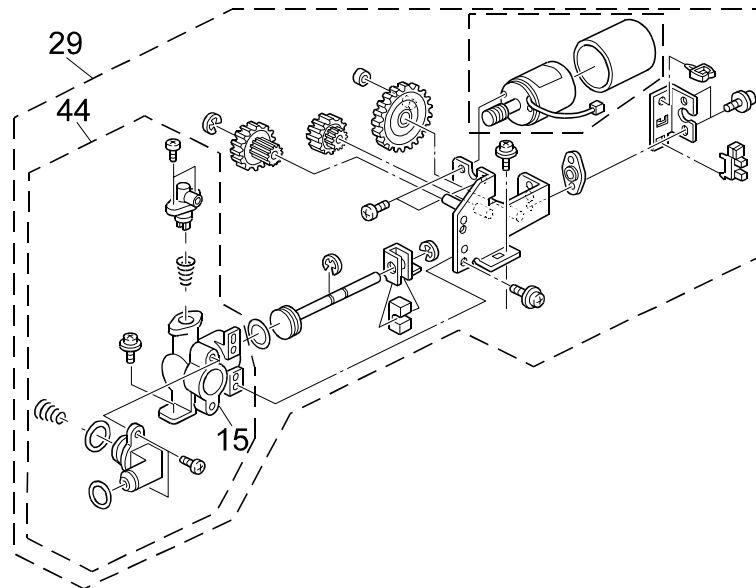
SA2 Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292532	C2362532	Pump Case	1	X/O	47	15
C2362501	C2362508	Drum Pump Assembly	1	X/O	47	29
C2292502	C2362510	Ink Pump Assembly	1	X/O	47	44

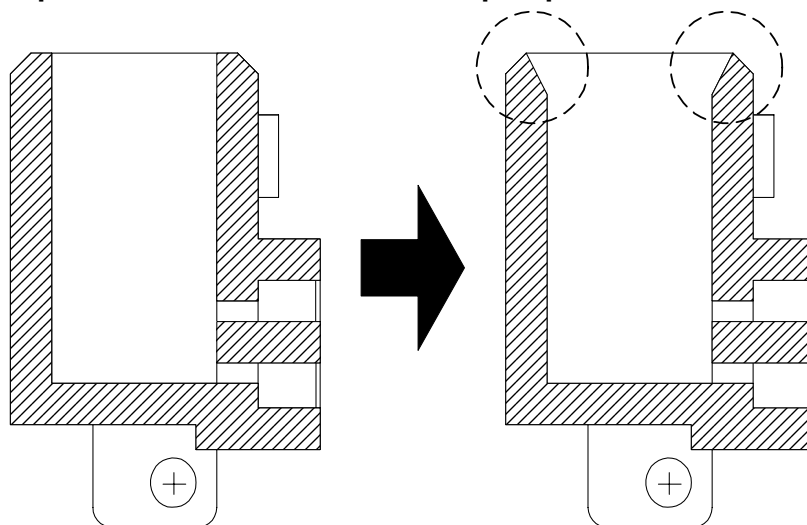
Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292532	C2362532	Pump Case	1	X/O	47	15
C2292501	C2362509	Drum Pump Assembly	1	X/O	47	29
C2292502	C2362510	Ink Pump Assembly	1	X/O	47	44

Illustrations



A partial cross section of the ink pump case



Old

New

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 8-Jan-04

No: M-C235-012

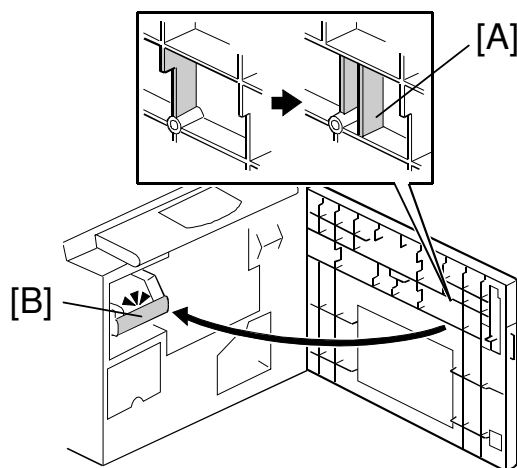
CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0131100001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2331100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1831100001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	From first mass-production

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 16-Jan-04	No: M-C235-013
Modified Article: Door Cover		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name:			
SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630			
GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150			
SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			
SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Note that the following applies only to the Sapphire.

A rib [A] has been added to the door cover to ensure the Master Eject Box [B] is properly set in the mainframe.



Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2291253	C2361253	Door Cover	1	X/O	11/97	1/1

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 16-Jan-04**No:** M-C235-013**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0120100001~
Ricoh JP8000	120/60	USA, Canada	C235-17	F0120200001~
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	F0120100006~
Ricoh JP8000	230/50	Europe, etc.	C235-27	F0120100021~
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	F0120400011~
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	-
Ricoh JP5500	230/50	Europe, etc.	C239-27	-
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	-
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-
Ricoh JP8500	230/50	Europe, etc.	C244-27	-
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	-

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 4-Feb-04	No: M-C235-014
Modified Article: Main Motor Control Board		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name:			
SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630			
GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150			
SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			
SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

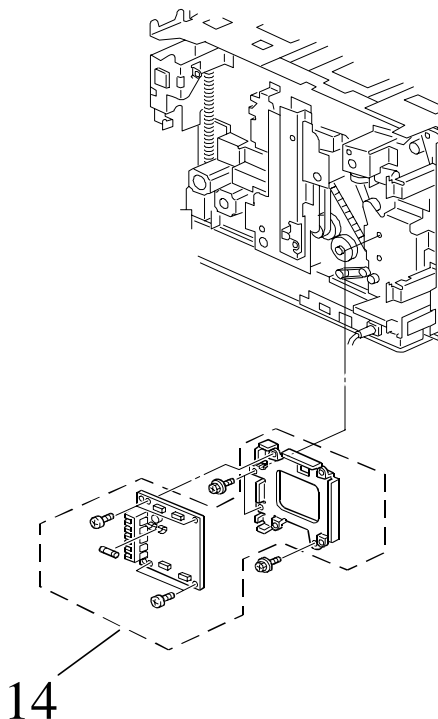
The following has been changed to optimize the detection conditions of SC05-01 (Main motor lock) so that unnecessary occurrences are eliminated.

Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2335150	C2395150	Main Motor Control Board Assembly	1	X/O	83	14

Garnet/SA2 Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2335150	C2395150	Main Motor Control Board Assembly	1	X/O	73	14



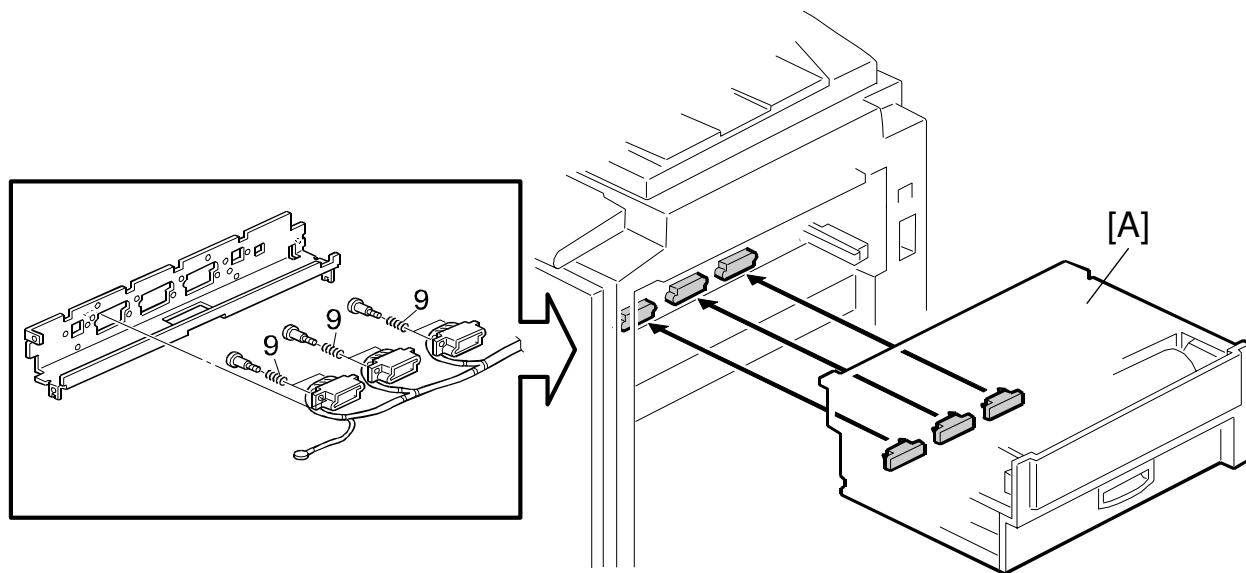
Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 4-Feb-04**No:** M-C235-014**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0131200001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2331200001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1831200001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1831200010
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1831200016
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1831100032
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4331200001

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 9-Mar-04	No: M-C235-015
Modified Article: Connector Spring		Prepared by:	
From: Priort Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Note that the following applies to the Garnet, SA2 and SA2P.

The pressure of the connector spring has been increased to ensure the master making unit [A] stays properly fixed in place and to further ensure that SC03-00 (Thermal head ID error) and white banding does not occur.



SA2/SA2P parts catalog

Old #	New #	Description	Qty	Int	Page	Index
AA063163	C2442267	Connector Spring	6	X/O	25	9

Garnet parts catalog

Old #	New #	Description	Qty	Int	Page	Index
AA063163	C2442267	Connector Spring	6	X/O	25	9

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Mar-04

No: M-C235-015

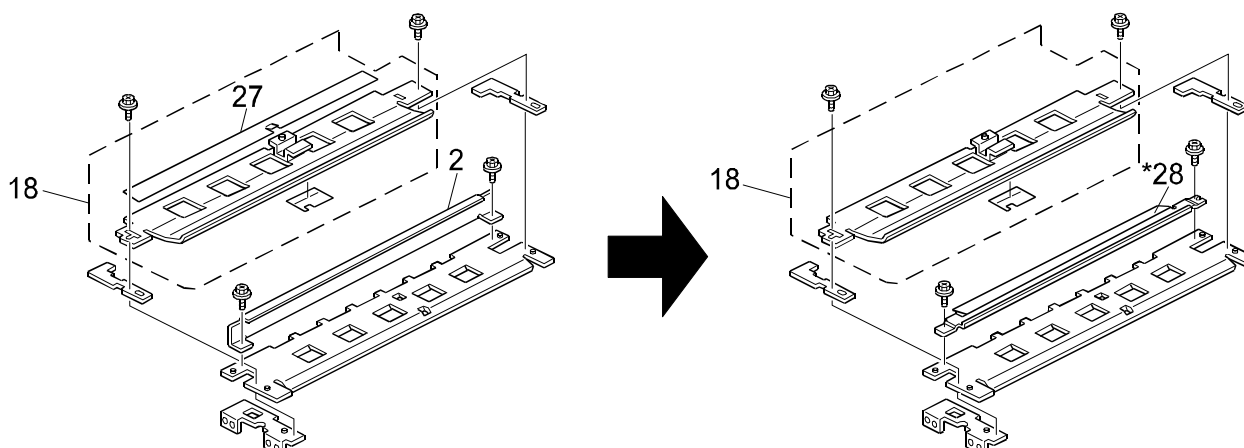
CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2340100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1840200001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1840100024
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1840300001
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1840200027
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4340100001

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 15-Apr-04	No: M-C235-016
Modified Article: Upper Feed Guide Plate		Prepared by:	
From: Priort Service Planning Section		A. Yoshida	
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name:			
SAPPHIRE:	Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630		
GARNET:	Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150		
SA2:	Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180		
SA2P (China only):	Ricoh JP8510P, Gestetner 5500P		

Note: The following applies to the Sapphire only.

The sheet plate guide (index #2) and guide plate sheet (index #27) have been combined into one part as shown, in order to feed the paper more smoothly and further ensure that misfeeds do not occur in between the drum and paper feed section (A/B jams).



Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362915	-	-	1->0	X/O as a set	37	2
C2362914	-	-	1->0		37	27
-	C2362927	Paper Feed Guide Plate Assembly	1		37	*28
C2362922	C2362923	Upper Feed Guide Plate Assembly	1	X/O	37	18

*: New index

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 15-Apr-04

No: M-C235-016

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0110400001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	

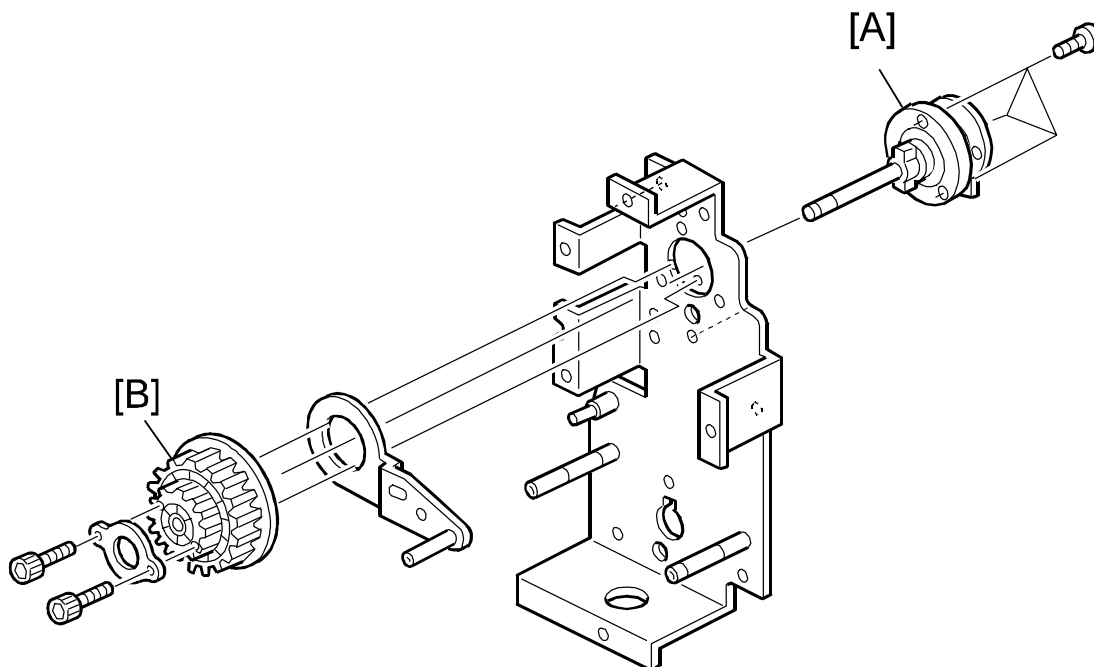
Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 10-May-04	No: M-C235-017
Modified Article: Parts catalog changes for Drum Drive Shaft		Prepared by:	
From: Priort Service Planning Section		K. Yamamoto	
Classification:	☒ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name:			
SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630			
GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150			
SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			
SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Note that the following applies only to the SAPPHIRE.

The shape of drum drive shaft [A] and timing pulley – drum drive [B] were changed to prevent wear to the drum drive shaft.

Old part number	New part number	Description	Q'ty	Int	Page	Index
C2291090	C2331090	Drum Drive Shaft	1	X/O as a set	23	12
C2291092	C2331092	Timing Pulley - Drum Drive	1		25	12

Note: Replace the Drum Drive Shaft and the Timing Pulley together as a set.



Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 10-May-04

No: M-C235-017

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F011090001~
Ricoh JP8000	120/60	USA, Canada	C235-17	F011090021~
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	F011090043~
Ricoh JP8000	230/50	Europe, etc.	C235-27	F011090073~
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	F011090103~
Standard SD450	120/60	USA, Canada	C239-11	From first mass-production
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 1-Sep-04	No: M-C235-018
Modified Article: Master Duct Sensor Bracket		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name:			
SAPPHIRE:	Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630		
GARNET:	Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150		
SA2:	Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180		
SA2P (China only):	Ricoh JP8510P, Gestetner 5500P		

Note: This issue applies to the Garnet, SA2 and SA2P.

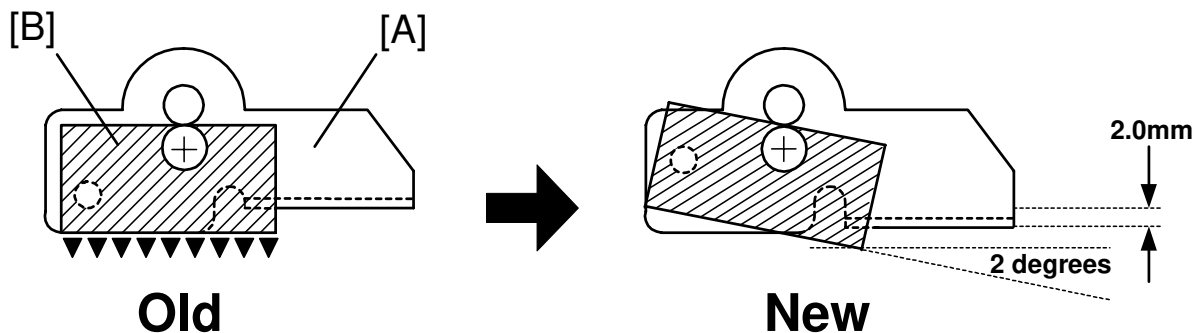
The shape of the master duct sensor bracket [A] was changed to ensure correct master detection (for details, see RTB #RC229021).

Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392100	C2442100	Duct Sensor Bracket	1	X/O	65	41

SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392100	C2442100	Duct Sensor Bracket	1	X/O	65	46



Note: The master duct sensor [B] is now attached at an angle of 2 degrees. This increases the detection distance by 2.0mm.

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 1-Sep-04**No:** M-C235-018**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	F2340700001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1840900001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1840700001
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4340800001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 21-Sep-04	No: M-C235-019
Modified Article: Feed Encoder Harness, Feed Start Sensor and Feed Encoder Sensor		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: Shapes of feed encoder harness [A], feed start sensor [B], feed encoder sensor [C], clamp [D], and feed encoder bracket [E].

Reason: To make sure that the harness stays connected to the sensor.

Note: See RTB #RC229024 for details.

Sapphire

Old #	New #	Description	Qty	Int	Page	Index
C2323090	C2443090	Feed Encoder Bracket	1	X/O	41	19
C2365226	C2445226	Feed Encoder Harness	1	X/O as a set	41	20
52055250	C2445805	Photo Interrupter	2		41	21
11050199	11050511	Harness Clamp - LWS-0306ZC	1	X/O	41	106
or						
C2365226	C2445226	Feed Encoder Harness	1	X/O as a set	41	20
-	C2443235	Paper Feed Control Assembly	1		41	*28
11050199	11050511	Harness Clamp - LWS-0306ZC	1	X/O	41	106

*: New index

NOTE: P/N #C2443235 (paper feed control assembly) includes #C2443090 (feed encoder bracket) and #C2445805 (photo interrupter).

Garnet/SA2/SA2P

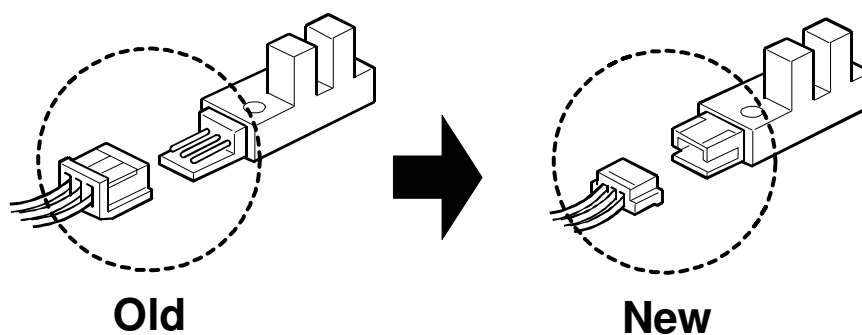
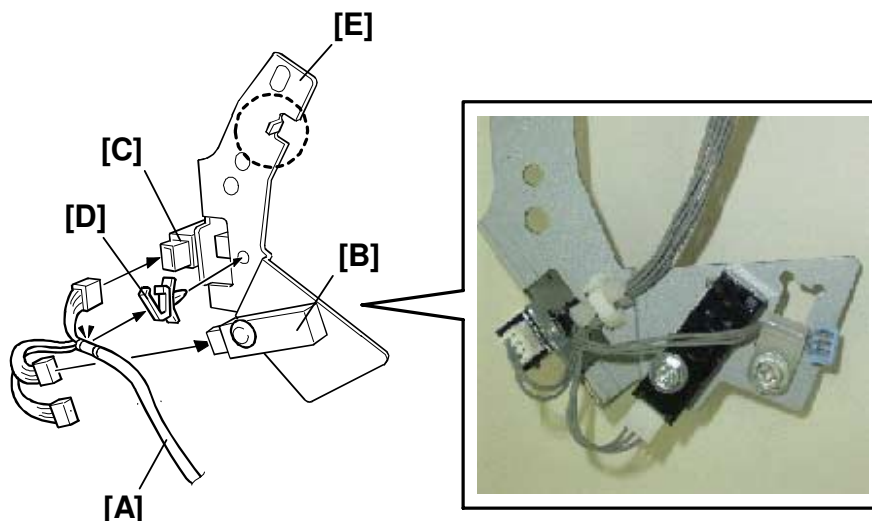
Old #	New #	Description	Qty	Int	Page	Index
C2323090	C2443090	Feed Encoder Bracket	1	X/O	31	19
C2365226	C2445226	Feed Encoder Harness	1	X/O as a set	31	20
52055250	C2445805	Photo Interrupter	2		31	21
11050199	11050511	Harness Clamp - LWS-0306ZC	1	X/O	31	106
or						
C2365226	C2445226	Feed Encoder Harness	1	X/O as a set	31	20
-	C2443235	Paper Feed Control Assembly	1		31	*26
11050199	11050511	Harness Clamp - LWS-0306ZC	1	X/O	31	106

*: New index

NOTE: P/N #C2443235 (paper feed control assembly) includes #C2443090 (feed encoder bracket) and #C2445805 (photo interrupter).

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 21-Sep-04**No:** M-C235-019**Key:**

Feed encoder harness [A], feed start sensor [B], feed encoder sensor [C], clamp [D], feed encoder bracket [E].



Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 21-Sep-04**No:** M-C235-019**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0141000001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2340900001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1841000001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4340900001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 9-Dec-04	No: M-C235-020
Modified Article: Ink Detection Board		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

The ink detection board has been modified to further minimize effects from static electricity. When replacing this part, please be sure to do the adjustment described below.

Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index	Note
C2395140	C2395145	Ink Detection Board	1	X/O	53	15	-

Garnet/SA2 parts catalog

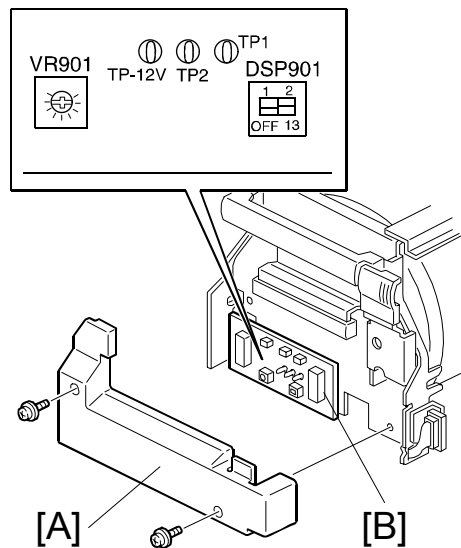
Old #	New #	Description	Qty	Int	Page	Index	Note
C2395140	C2395145	Ink Detection Board	1	X/O	43	15	-

INK DETECTION ADJUSTMENT

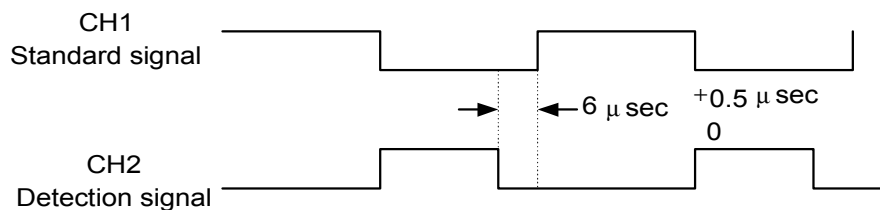
CAUTION: Before performing this procedure, wipe off the ink around the ink roller. To do this, set SP2-2-1 (Ink detection) to OFF, and feed the paper until the ink reaches the end condition. After completing the following procedure, make sure to return SP2-2-1 to its default (ink detection ON).

PROCEDURE:

1. Remove the drum front cover [A].
2. On the ink detection board [B], connect the probes and the grounding lead of an oscilloscope as follows:
 - Probe CH1 to TP1
 - Probe CH2 to TP2
 - Grounding lead to TP-12V (select the 5 μ range.)



3. Turn ON the main switch.
4. Make sure that the waveform is as shown in the top half of the following diagram when the ink detection pin is not in contact with the ink.



5. If incorrect, adjust the standard signal by turning VR901 on the ink detection board.

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Dec-04

No: M-C235-020

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0140500001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2340500001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1840900001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1840400001
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4340400001

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2140600001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2240400001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	F0340700001
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	F0440600001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 20-Jan-05	No: M-C235-021
Modified Article: Paper Clamper		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: Shapes of the clamper exit pawl [A] and clamper base [B] were changed.

Reason: To further improve the open angle of the clamper exit pawl [C].

This will:

- 1) Ensure the paper [D] is fed more smoothly and,
- 2) Ensure B-jams do not occur between the paper clamper [E] and pick-off plate [F] in the paper delivery unit [G].

Sapphire parts catalog

Modification 1: Clamper Exit Pawl						
Old #	New #	Description	Qty	Int	Page	Index
C2363247	C2443310	Clamper Exit Pawl	1	X/O	39	13

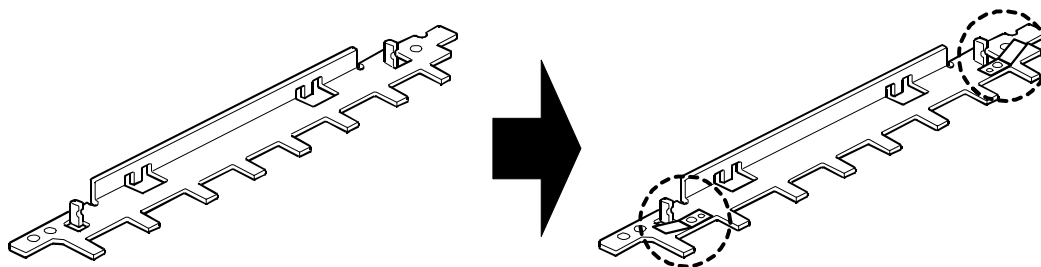
Modification 2: Clamper Base						
Old #	New #	Description	Qty	Int	Page	Index
C2443264	C2443265	Clamper Base	1	X/O	39	18
C2443005	C2443015	Drum Clamp Assembly	1	X/O	39	19

Garnet/SA2/SA2P parts catalog

Modification 1: Clamper Exit Pawl						
Old #	New #	Description	Qty	Int	Page	Index
C2363247	C2443310	Clamper Exit Pawl	1	X/O	29	13

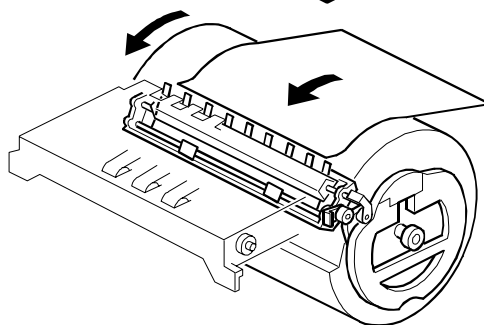
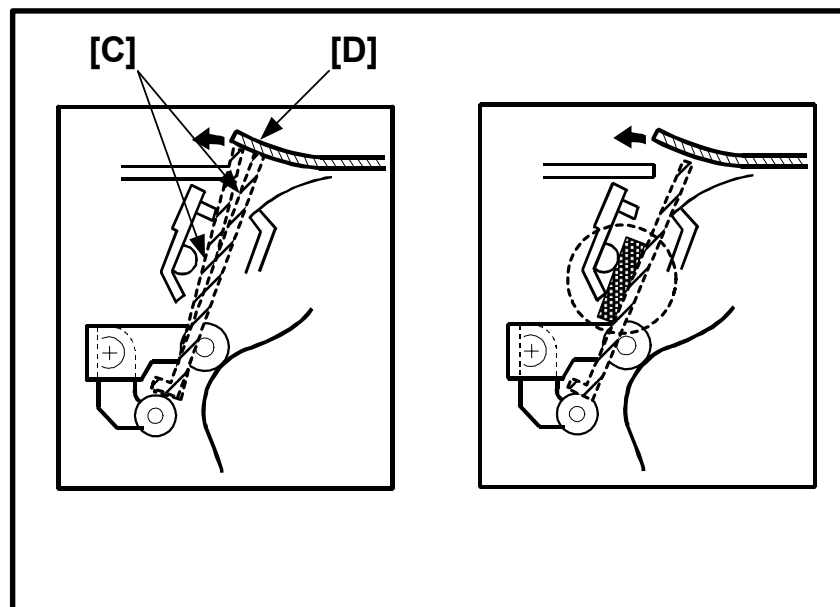
Modification 2: Clamper Base						
Old #	New #	Description	Qty	Int	Page	Index
C2443264	C2443265	Clamper Base	1	X/O	29	21
C2443005	C2443015	Drum Clamp Assembly	1	X/O	29	22

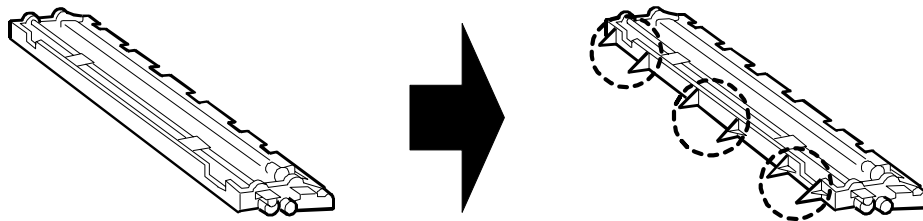
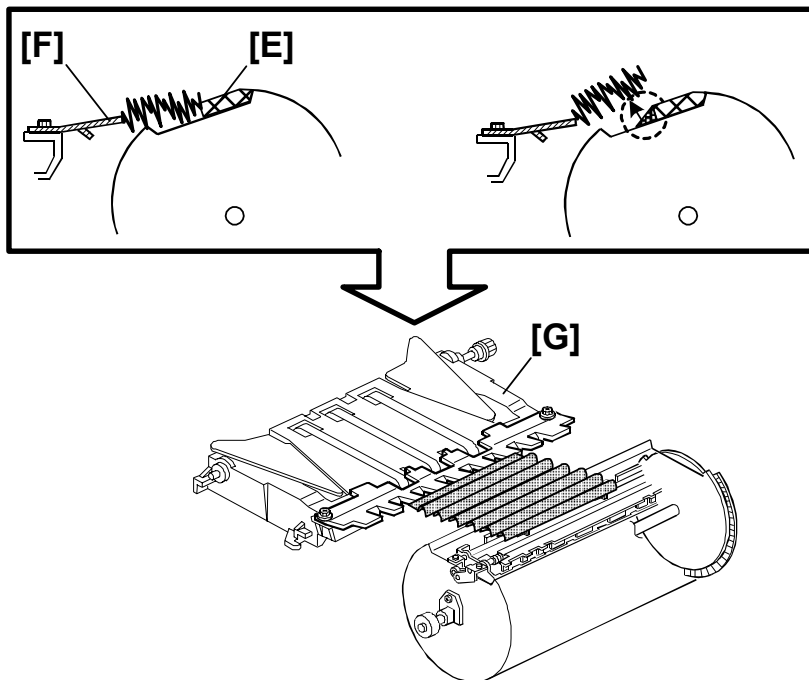
Modification 1 - Clamper Exit Pawl [A]:



Old

New



Modification 2 - Clamper Base [B]:**Old****New**

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 20-Jan-05

No: M-C235-021

CUT IN SERIAL NUMBERS

Modification 1:

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0140700001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2340700001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1840900001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1840700001
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4341100001

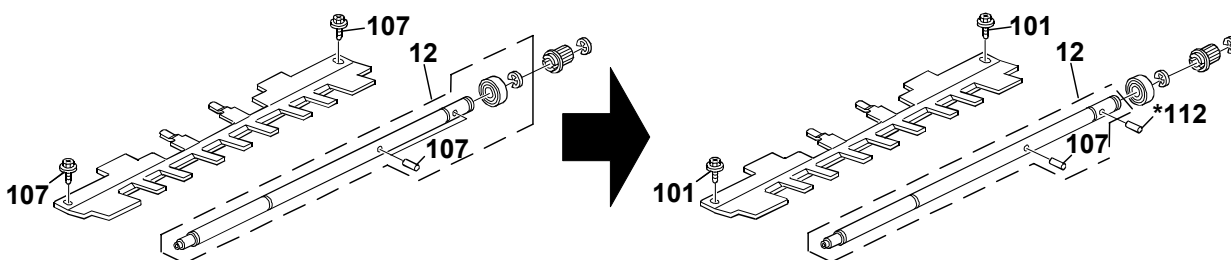
Modification 2:

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	F0141100001
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2341100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1841200001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1841100001
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1841200032
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4341100001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 20-Jan-05	No: M-C235-022
Modified Article: Parts catalog correction		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☒ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Please apply the following corrections to your Parts Catalogs:

● Index Number Correction/Addition - Paper Exit Section 2:



Incorrect

Correct

Sapphire parts catalog

Parts No.	Description	Page	Index
C2293875	Transport Belt Drive Shaft	47	12
04504008B	Tapping Screw - 4x8	47	101
06230120E	Spring Pin - M3x12	47	107
06230140E	Spring Pin - 3x14mm	47	*112

*: New Index

Garnet/SA2/SA2P parts catalog

Parts No.	Description	Page	Index
C2293875	Transport Belt Drive Shaft	37	12
04504008B	Tapping Screw - 4x8	37	101
06230120E	Spring Pin - M3x12	37	107
06230140E	Spring Pin - 3x14mm	37	*112

*: New Index

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 24-Jan-05	No: M-C235-023
Modified Article: Modified to environmentally-friendly material		Prepared by:	
From: Priport Service Planning Section		K. Yamamoto	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☒ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: Materials were changed to more environmentally-friendly types.

Reason: This is part of Ricoh's ongoing application of in-house environmental management standards.

Sapphire

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2292850	C2442850	Paper Feed Stay	1	O/O	33	22
C2365733	C2445733	Harness Cover	1	O/O	33	2
C2295732	C2445734	Feed Pressure Motor Bracket	1	O/O	33	14
C2292893	C2442893	Right Pressure Arm	1	O/O	37	12
C2292894	C2442894	Left Pressure Arm	1	O/O	37	10
C2292898	C2442898	Pressure Release Lock Arm - Right	1	O/O	37	13
C2292899	C2442899	Pressure Release Lock Arm - Left	1	O/O	37	9
C2292900	C2442900	Pressure Release Shaft	1	O/O	37	11
C2295730	C2445730	Paper Table Motor Bracket	1	O/O	31	30
C2292751	C2442751	Right Side Plate	1	O/O	31	10
C2292755	C2442755	Lift Up Rack - Paper Table	1	O/O	31	1
C2292754	C2442754	Left Side Plate	1	O/O	31	6
56073927	C2442799	Stepped Screw - M3x8	2	O/O	31	17
C2292955	C2442955	Ground Plate	1	O/O	29	24
C2322775	C2362775	Paper Tray - Sub	1	O/O	29	35
C2352773	C2352783	Paper Tray	1	O/O	29	22
C2352774	C2352784	Paper Feed Cover	1	O/O	29	36
C2352804	C2442804	Side Fence Grip	1	O/O	29	5
C2352779	C2442778	Harness Holder	1	O/O	29	29
C2362905	C2442905	Feed Roller - Upper	1	O/O	37	8
C5934102	C2444101	Transport Belt Case	1	O/O	47	2
C2352767	C2352766	PAPER TABLE ASS'Y	1	O/O	29	40

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 24-Jan-05

No: M-C235-023

Garnet

Old part number	New part Number	Description	Q'ty	Int	Page	Index
C2292850	C2442850	Paper Feed Stay	1	O/O	23	22
C2365733	C2445733	Harness Cover	1	O/O	23	2
C2295732	C2445734	Feed Pressure Motor Bracket	1	O/O	23	14
C2292893	C2442893	Right Pressure Arm	1	O/O	27	12
C2292894	C2442894	Left Pressure Arm	1	O/O	27	10
C2292898	C2442898	Pressure Release Lock Arm - Right	1	O/O	27	13
C2292899	C2442899	Pressure Release Lock Arm - Left	1	O/O	27	9
C2292900	C2442900	Pressure Release Shaft	1	O/O	27	11
C2295730	C2445730	Paper Table Motor Bracket	1	O/O	21	30
C2292751	C2442751	Right Side Plate	1	O/O	21	10
C2292755	C2442755	Lift Up Rack - Paper Table	1	O/O	21	1
C2292754	C2442754	Left Side Plate	1	O/O	21	6
56073927	C2442799	Stepped Screw - M3x8	2	O/O	21	17
C2292955	C2442955	Ground Plate	1	O/O	19	27
C2362905	C2442905	Feed Roller - Upper	1	O/O	27	8
C5934102	C2444101	Transport Belt Case	1	O/O	37	2

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date:24-Jan-05

No: M-C235-023

Note: The parts in the table below are common to both the SA2 and SA2P. These parts are listed in the SA2 Parts Catalog. For parts that are unique to the SA2P, see MB #MC235-011.

SA2/SA2P

Old part number	New part Number	Description	Q'ty	Int	Page	Index
C2292850	C2442850	Paper Feed Stay	1	O/O	23	22
C2365733	C2445733	Harness Cover	1	O/O	23	2
C2295732	C2445734	Feed Pressure Motor Bracket	1	O/O	23	14
C2292893	C2442893	Right Pressure Arm	1	O/O	27	12
C2292894	C2442894	Left Pressure Arm	1	O/O	27	10
C2292898	C2442898	Pressure Release Lock Arm - Right	1	O/O	27	13
C2292899	C2442899	Pressure Release Lock Arm - Left	1	O/O	27	9
C2292900	C2442900	Pressure Release Shaft	1	O/O	27	11
C2295730	C2445730	Paper Table Motor Bracket	1	O/O	21	30
C2292751	C2442751	Right Side Plate	1	O/O	21	10
C2292755	C2442755	Lift Up Rack - Paper Table	1	O/O	21	1
C2292754	C2442754	Left Side Plate	1	O/O	21	6
56073927	C2442799	Stepped Screw - M3x8	2	O/O	21	17
C2292955	C2442955	Ground Plate	1	O/O	19	24
C2352804	C2442804	Side Fence Grip	1	O/O	19	5
C2362905	C2442905	Feed Roller-upper	1	O/O	27	8
C5934102	C2444101	Transport Belt Case	1	O/O	37	2
C2402775	C2452775	Paper Tray - Sub	1	O/O	19	35
C2442773	C2442775	Paper Tray	1	O/O	19	22
C2442779	C2442778	Harness Holder	1	O/O	19	29
C2442774	C2442784	Paper Feed Cover	1	O/O	19	36

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 9-Nov-05	No: M-C235-024
Modified Article: Mylar peeling		Prepared by:	
From: Priport Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: The shape of the metal screen mylar [A] has changed.

Reason: To ensure the Mylar stays properly fixed in place.

Sapphire parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362652	C2362657	Drum Metal Screen Shield (A3)	1	X/O	55	4
C2362655	C2362658	Drum Metal Screen Shield (DLT)	1	X/O	55	4
C6052496	C6052497	Drum Metal Screen Shield (A4)	1	X/O	55	4
C2362651	C2362650	Drum Metal Screen Assembly (A3)	1	X/O	55	8
C2362654	C2362649	Drum Metal Screen Assembly (DLT)	1	X/O	55	8
C6052495	C6052490	Drum Metal Screen Assembly (A4)	1	X/O	55	8

SA2 parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362652	C2362657	Drum Metal Screen Shield (A3)	1	X/O	45	4
C2362655	C2362658	Drum Metal Screen Shield (DLT)	1	X/O	45	4
C6052496	C6052497	Drum Metal Screen Shield (A4)	1	X/O	45	4
C2362651	C2362650	Drum Metal Screen Assembly (A3)	1	X/O	45	8
C2362654	C2362649	Drum Metal Screen Assembly (DLT)	1	X/O	45	8
C6052495	C6052490	Drum Metal Screen Assembly (A4)	1	X/O	45	8

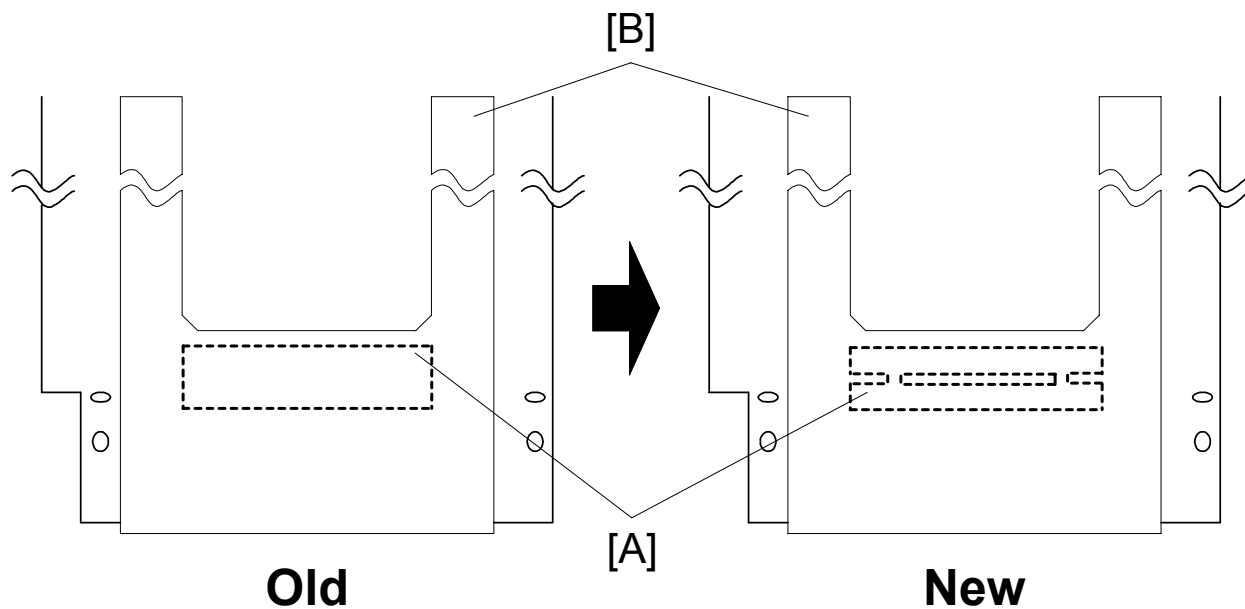
Garnet parts catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392657	C2392663	Drum Metal Screen Shield (A3)	1	X/O	45	4
C2392659	C2392664	Drum Metal Screen Shield (DLT)	1	X/O	45	4
C6052496	C6052497	Drum Metal Screen Shield (A4)	1	X/O	45	4
C2392656	C2392650	Drum Metal Screen Assembly (A3)	1	X/O	45	8
C2392658	C2392651	Drum Metal Screen Assembly (DLT)	1	X/O	45	8
C5872662	C5872650	Drum Metal Screen Assembly (A4)	1	X/O	45	8

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Nov-05

No: M-C235-024

[A] Metal Screen Mylar
[B] Metal Screen Shield
NOTE: The metal screen mylar [A] also includes the metal screen shield [B].


Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Nov-05

No: M-C235-024

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2351000001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1851200001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1851000012
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1851000025
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1851100003

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2151200001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2251200001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	F0351200001
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	F0451200001

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 9-Dec-05	No: M-C235-025
Modified Article: 1 ST Drum Master Sensor Bracket		Prepared by: A. Yoshida	
From: Priort Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

This MB applies to the Garnet, SA2 and SA2P

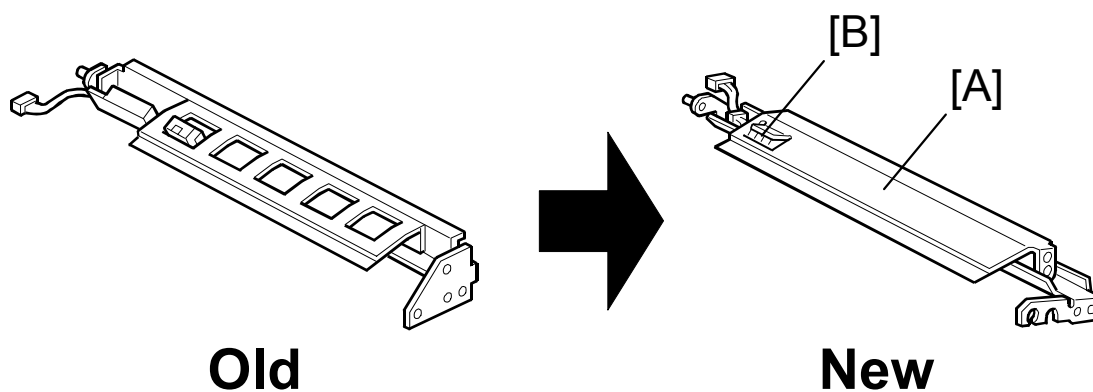
Change:

- 1) The shape of the 1st drum master sensor bracket [A] was changed.
- 2) The 1st drum master sensor [B] is now attached at an angle of 10 degrees.

Reason:

- 1) To ensure that the machine detects the master correctly, and
- 2) To ensure that B-jams (master misfeeds) do not occur during the master making process.

Important: When you replace these parts, be sure to do the 1st drum master sensor adjustment. For details, refer to the Sapphire Service Manual (pg. 6-55).



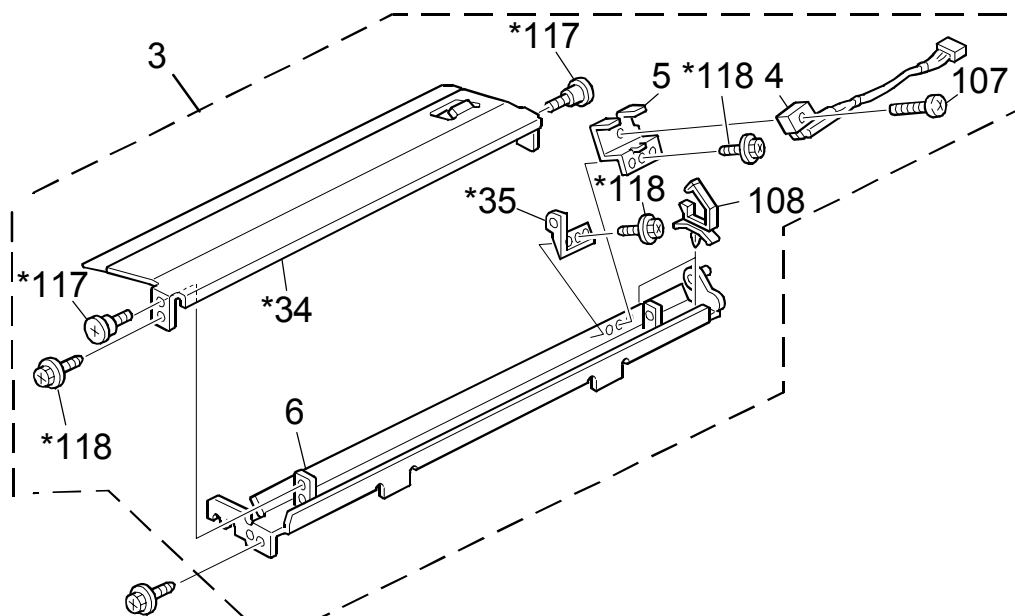
Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Dec-05

No: M-C235- 025

SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392935	C2442935	BRACKET:OPTICS SENSOR:MASTER:ASS'Y	1	X/O	27	3
C2365825	C2575850	DRUM1 MASTER SENSOR	1	X/O as a set	27	4
C2295739	C2575739	MASTER1SENSOR BRACKET	1		27	5
C2362491	C2572941	STAY:SENSOR:MASTER:1:ASS'Y	1		27	6
-	C2572958	PAPER GUIDE PLATE	1		27	*34
-	C2572946	BRACKET PLATE	1		27	*35
03520080B	03520080P	SCREW M2X8	1		27	107
11050199	11050511	HARNESS CLAMP - LWS-0306ZC	2		27	108
-	52062684	SHOULDER SCREW - M3	2		27	*117
-	04513006N	TAPPING SCREW - 3X6	4		27	*118



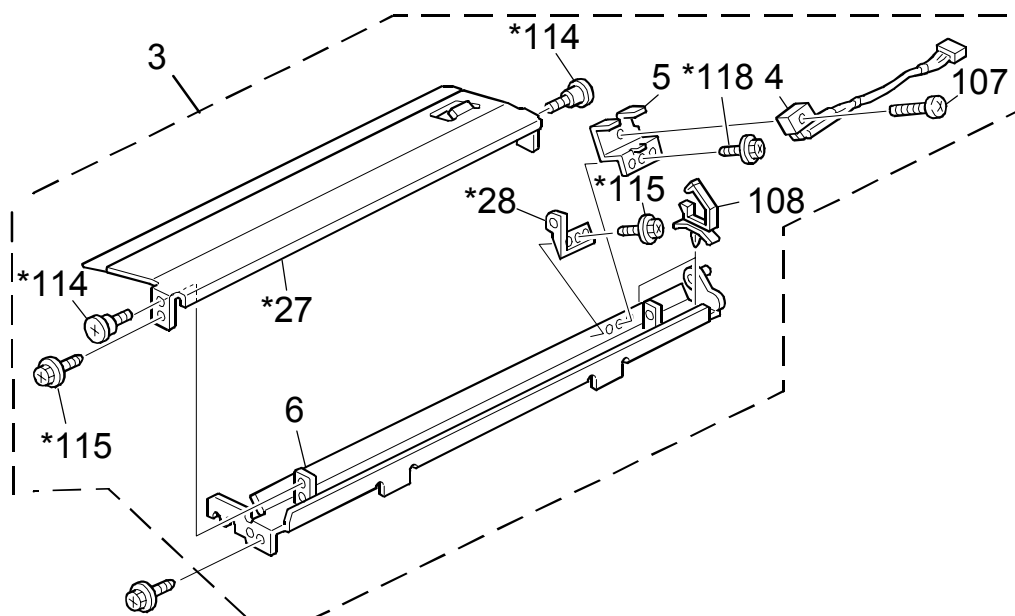
Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Dec-05

No: M-C235-025

Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392935	C2442935	BRACKET:OPTICS SENSOR:MASTER:ASS'Y	1	X/O	27	3
C2365825	C2575850	DRUM1 MASTER SENSOR	1	X/O as a set	27	4
C2295739	C2575739	MASTER1SENSOR BRACKET	1		27	5
C2362491	C2572941	STAY:SENSOR:MASTER:1:ASS'Y	1		27	6
-	C2572958	PAPER GUIDE PLATE	1		27	*27
-	C2572946	BRACKET PLATE	1		27	*28
03520080B	03520080P	SCREW M2X8	1		27	107
11050199	11050511	HARNESS CLAMP - LWS-0306ZC	2		27	108
-	52062684	SHOULDER SCREW - M3	2		27	*114
-	04513006N	TAPPING SCREW - 3X6	4		27	*115



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-Dec-05

No: M-C235- 025

CUT IN SERIAL NUMBERS

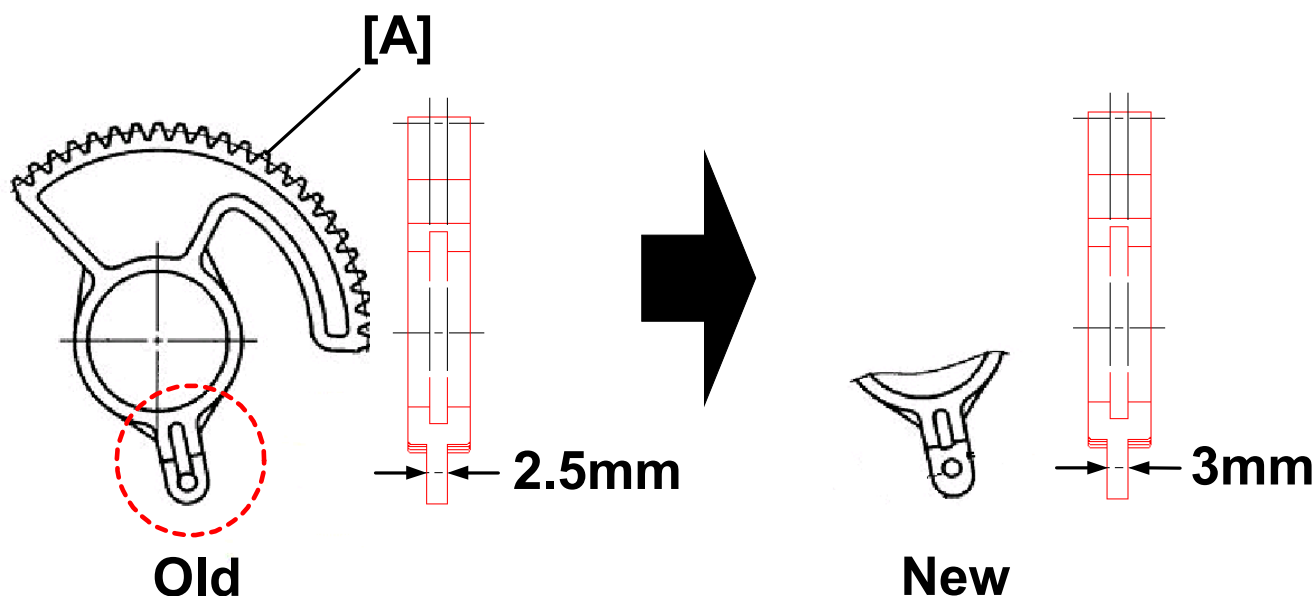
Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2350900001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2350900004
Ricoh JP5500	230/50	Europe, etc.	C239-27	F2350900015
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2350800043
Standard SD650	120/60	USA, Canada	C244-11	F1850900001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1851000012
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1850900005
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1850900012
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4350900001

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 30-Jan-06	No: M-C235-026
Modified Article: Scissors Gear		Prepared by: A. Yoshida	
From: Priort Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change:

- 1) The shapes of the scissors gear [A] and the tension spring were changed.
- 2) A part of the scissors gear was made 0.5mm thicker.

Reason: To improve the durability of the scissors gear and tension spring.



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 30-Jan-06	No: M-C235-026
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Sapphire Parts Catalog

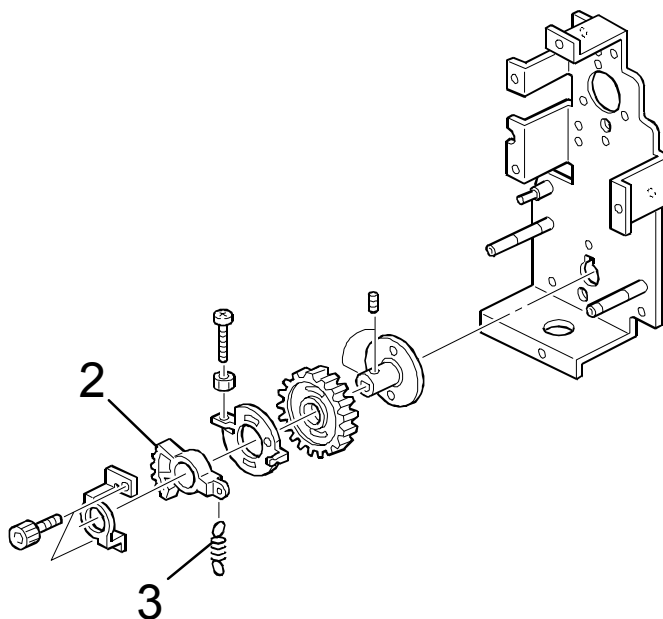
Old #	New #	Description	Qty	Int	Page	Index
C2293183	C2443183	GEAR:PRESS DRUM UNIT:AUXILIARY	1	X/O as a set	23	2
C2293186	C2443186	TENSION SPRING:GEAR:PRESS DRUM	1		23	3

Garnet/ SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2293183	C2443183	GEAR:PRESS DRUM UNIT:AUXILIARY	1	X/O as a set	13	2
C2293186	C2443186	TENSION SPRING:GEAR:PRESS DRUM	1		13	3

Important: Replace the scissors gear and the tension spring **together as a set**.

Illustration



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 30-Jan-06	No: M-C235-026
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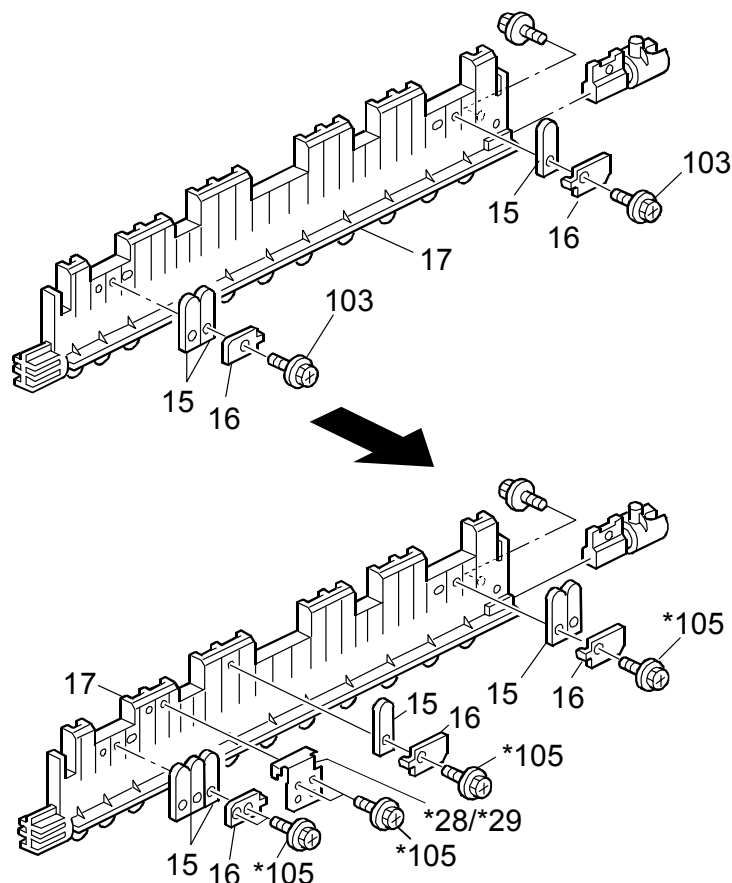
CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	From January 2006
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2351100001
Ricoh JP5500	230/50	Europe, etc.	C239-27	From January 2006
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2351100013
Standard SD650	120/60	USA, Canada	C244-11	From January 2006
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1851100001
Ricoh JP8500	230/50	Europe, etc.	C244-27	From January 2006
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1851100003
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4351100001

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 30-Mar-06	No: M-C235-027
Modified Article: Master press arm in master eject box		Prepared by:	
From: Priort Service Planning Section		A. Yoshida	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name:			
SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630			
GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150			
SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180			
SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: Parts were added.

Reason: So that the master eject unit removes the used master from the drum more smoothly.



Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 30-Mar-06**No:** M-C235-027**Sapphire Parts Catalog**

Old #	New #	Description	Qty	Int	Page	Index
C2293495	-	Master Stripper Pawl	3->6	X/O as a set	81	15
C2293496	C2443496	Master Stripper Pawl Holder	2->3		81	16
C2293493	C2443493	Master Press Arm	1		81	17
-	C2593495	Pressure Plate Bracket	1		81	*28
04503008B	-	Philips Tapping Screw – M3x8	2->0		81	103
-	04503008P	Philips Tapping Screw – M3x8	6		81	*105

*: New index

Garnet/ SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2293495	-	Master Stripper Pawl	3->6	X/O as a set	71	15
C2293496	C2443496	Master Stripper Pawl Holder	2->3		71	16
C2293493	C2443493	Master Press Arm	1		71	17
-	C2593495	Pressure Plate Bracket	1		71	*29
04503008B	-	Philips Tapping Screw – M3x8	2->0		71	103
-	04503008P	Philips Tapping Screw – M3x8	6		71	*105

*: New index

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P**Date:** 30-Mar-06**No:** M-C235-027**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	Discontinued
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	Discontinued
Ricoh JP8000	230/50	Europe, etc.	C235-27	Discontinued
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	Discontinued
Standard SD450	120/60	USA, Canada	C239-11	F2350600002
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2350600007
Ricoh JP5500	230/50	Europe, etc.	C239-27	F2350600001
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2350600028
Standard SD650	120/60	USA, Canada	C244-11	F1850600021
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1850600026
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1850600023
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1850600001
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4350600001

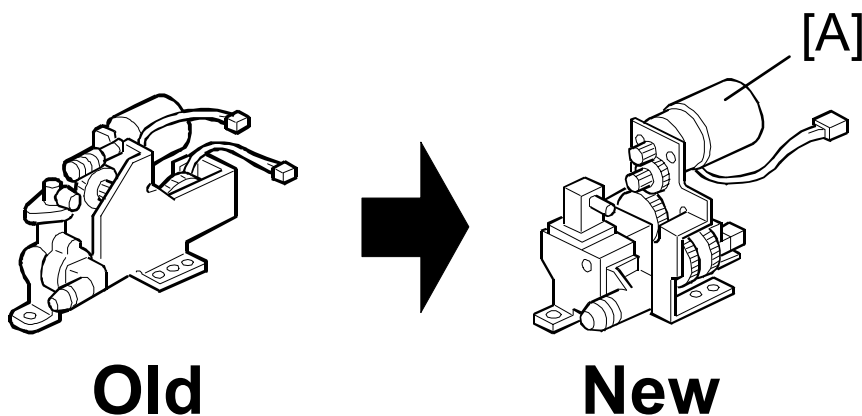
Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 17-Apr-06	No: M-C235-028
Modified Article: Ink pump		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			



This MB applies only to the **Garnet**.

Change: The shape of the ink pump [A] was changed.

Reason: To increase the vacuum power of the pump and minimize ink leaks.



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 17-Apr-06

No: M-C235-028

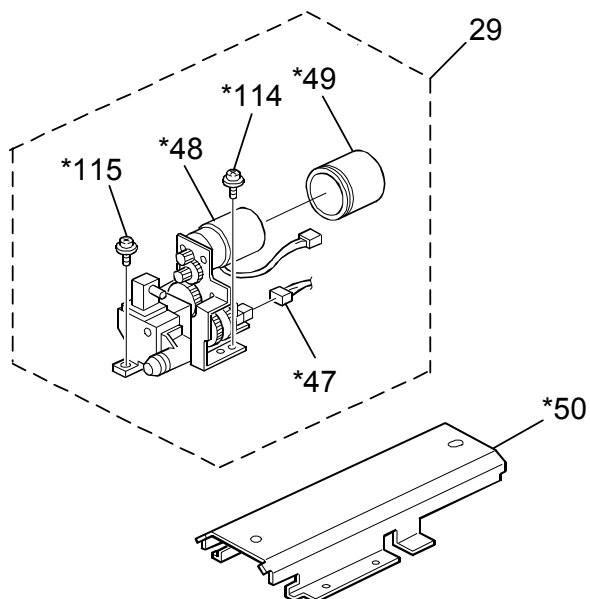
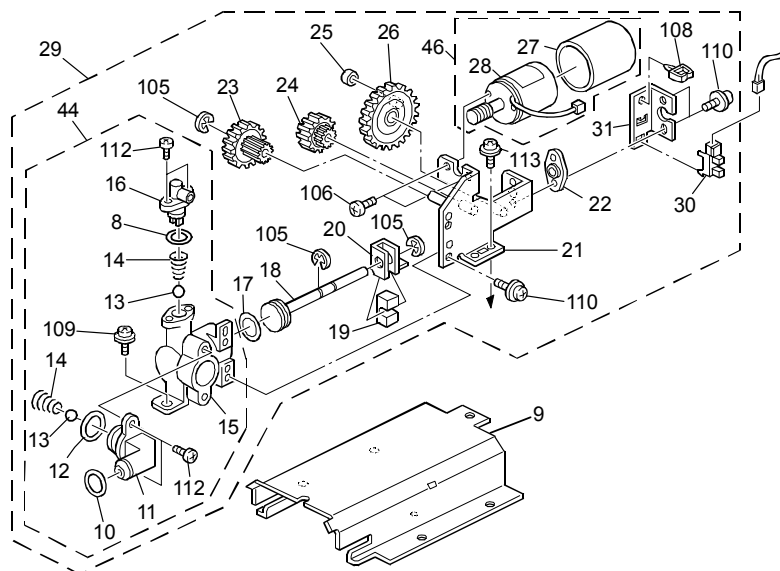
Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292514	-	-	1->0	-	51	8
C2292498	-	-	1->0	-	51	9
C2292515	-	-	1->0	-	51	10
C2292509	-	-	1->0	-	51	11
C2292516	-	-	1->0	-	51	12
56001403	-	-	2->0	-	51	13
C2244715	-	-	2->0	-	51	14
C2362532	-	-	1->0	-	51	15
C2292510	-	-	1->0	-	51	16
C2292517	-	-	1->0	-	51	17
C2292511	-	-	1->0	-	51	18
C2292519	-	-	1->0	-	51	19
C2292518	-	-	1->0	-	51	20
C2292520	-	-	1->0	-	51	21
C2292531	-	-	1->0	-	51	22
C2292528	-	-	1->0	-	51	23
C2292527	-	-	1->0	-	51	24
C2292525	-	-	1->0	-	51	25
C2292526	-	-	1->0	-	51	26
C2292537	-	-	1->0	-	51	27
C2295803	-	-	1->0	-	51	28
C2362509	C2622501	DRUM:PUMP:ASS'Y	1	X/O	51	29
AW020075	-	-	1->0	-	51	30
C2292530	-	-	1->0	-	51	31
C2362510	-	-	1->0	-	51	44
C2292529	-	-	1->0	-	51	46
-	C2575285	PUMP UNIT HARNESS	1	-	51	*47
-	C2622510	PUMP UNIT	1	-	51	*48
-	C2622511	CAP:PUMP MOTOR	1	-	51	*49
-	C2622498	COVER:INK CARTRIDGE	1	-	51	*50
07200050Z	-	-	1->0	-	51	105
03530040B	-	-	4->0	-	51	106
11050199	-	-	1->0	-	51	108
09514008Z	-	-	1->0	-	51	109
09514006Z	-	-	6->0	-	51	110
03140060Z	-	-	4->0	-	51	112
-	09514006Z	PHILIPS SCREW WITH FLAT WASHER - M4	1	-	51	*114
-	09514008Z	PHILIPS SCREW WITH FLAT WASHER - M4	1	-	51	*115

*: New index

Important: When you install the ink cartridge cover (P/N C2622498) for the first time, make sure to install this part **together with C2622501 as a set**.

Illustration



Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 17-Apr-06

No: M-C235-028

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	F2360100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-
Ricoh JP8500	230/50	Europe, etc.	C244-27	-
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	-

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2160100001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2260100001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	-
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	-

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 17-Apr-06	No: M-C235-029
Modified Article: Master Eject Roller Assembly		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change:

- 1) The materials of these parts were changed to more environmentally-friendly materials.
- 2) Parts were added/changed.

Reason:

- 1) Ricoh's ongoing application of in-house environmental management standards.
- 2) To ensure that the machine detects the master correctly, and that B-jams (master mis-feeds) do not occur during the master making process.

Important: When you replace the master eject roller assembly (P/N #C2443405), be sure to do the master eject sensor adjustment. For details, refer to the Sapphire Service Manual (pg. 6-25).

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 17-Apr-06

No: M-C235-029

Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2293487	C2443487	SIDE PLATE:FRONT:SLIDE:PEEN	1	X/O	79	1
C2293471	C2443471	GRIP:LOCK:KNOB:PRINTING	1	X/O	79	9
C2293474	C2443474	LOCK:SLIDE RAIL	1	X/O	79	11
C2293485	C2593485	SLIDE RAIL:UPPER:PEEN	1	X/O	79	12
C2293609	C2443609	GUIDE:MASTER:TRAILING EDGE	3	X/O	79	13
C2293533	C2443533	BRACKET:BELT TENSIONER:PEEN	1	X/O	79	14
C2293455	C2443461	STAY:ROLLER:ARM	1	X/O	79	16
C2333482	C2593482	TENSION SPRING:POSITION:ROLLER:2.4N	1	X/O	79	17
C2293462	C2443462	SIDE PLATE:REAR:SLIDE	1	X/O	79	18
C2293589	C2443589	STOPPER:SLIDE RAIL:MACHINE OR COPIE	1	X/O	79	19
C2293457	C2443455	GUIDE:UPPER REAR	1	X/O	79	23
C2293458	C2443458	GUIDE:UPPER:SENSOR	1	X/O	79	24
C2293456	C2443454	GUIDE:UPPER MIDDLE	2	X/O	79	25
C2293453	C2443453	TRANSPORT ROLLER:UPPER:RUBBER	1	X/O	79	26
C2293454	C2393454	SEPARATION ROLLER	1	X/O	79	27
C2293467	C2443467	BRACKET:PHOTO REFLECTION SENSOR	1	X/O	79	29
C2293465	C2443465	GUIDE:LOWER:TRANSPORT ROLLER	7	X/O	79	31
C2293464	C2593464	STAY:LOWER:SIDE PLATE:MOVEABLE	1	X/O	79	32
C2293488	C2443488	COVER:HARNESS:SENSOR	1	X/O	79	33
C2293400	C2443405	TRANSPORT UNIT:MASTER EJECTION:ASS'Y	1	X/O	79	34
C2293450	C2443450	TRANSPORT ROLLER:MASTER EJECTION:ASS'Y	1	X/O	79	35
C2293615	C2443615	GUIDE:UPPER FRONT	1	X/O	79	36
C2333495	-	-	1->0	-	79	37
C2333496	-	-	1->0	-	79	38
C2333497	-	-	2->0	-	79	39
-	C2443621	GUIDE:EXFOLIATION UNIT:REAR UPPER	1	-	79	*40
-	C2443622	GUIDE:EXFOLIATION UNIT:FRONT UPPER	1	-	79	*41
-	C2443456	STOPPER:UPPER:TRANSPORT ROLLER	1	-	79	*42
-	C2443457	GUIDE:UPPER REAR:LEFT	2	-	79	*43
-	C2443459	GUIDE:UPPER REAR:RIGHT	1	-	79	*44

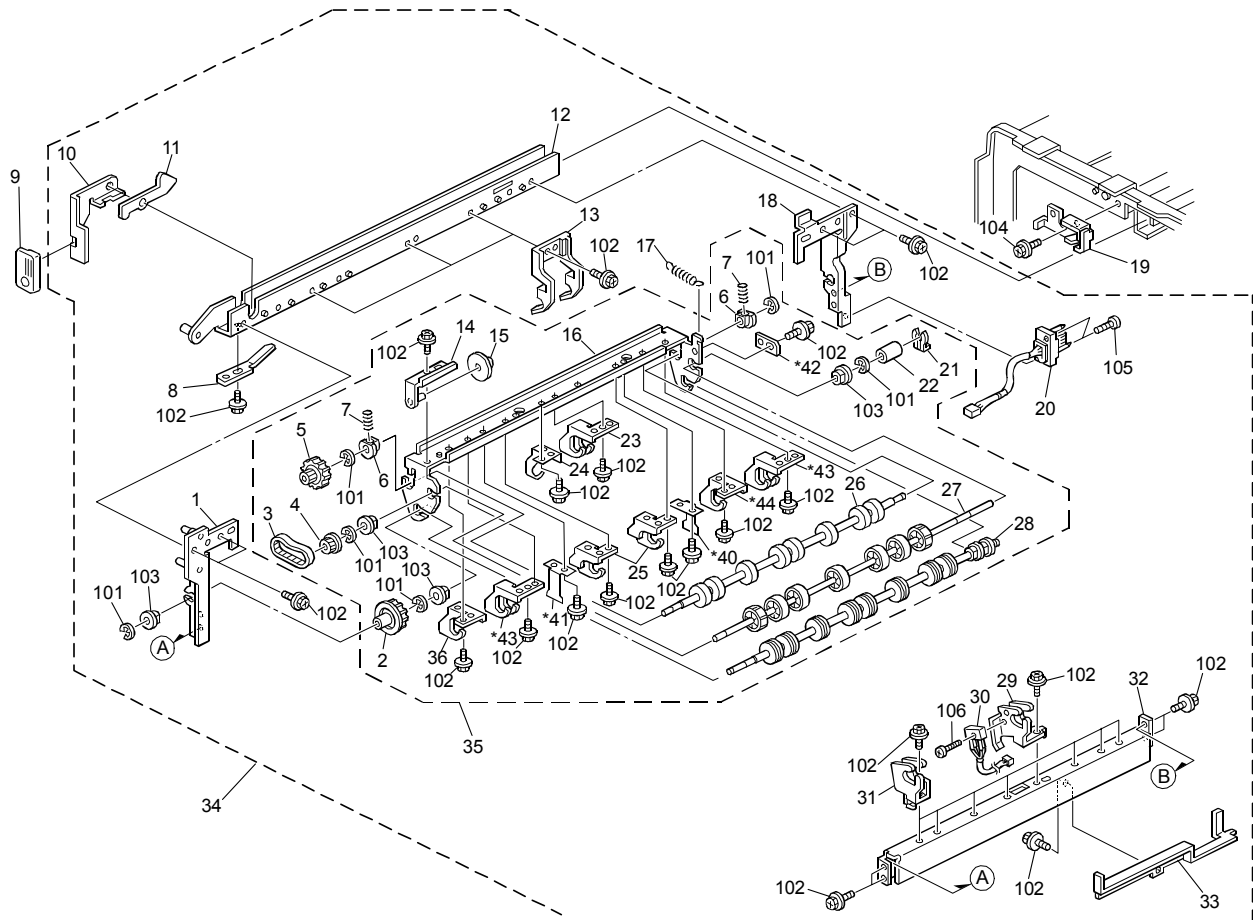
*: New index

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 17-Apr-06

No: M-C235-029

Illustration - Sapphire Parts Catalog



Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 17-Apr-06

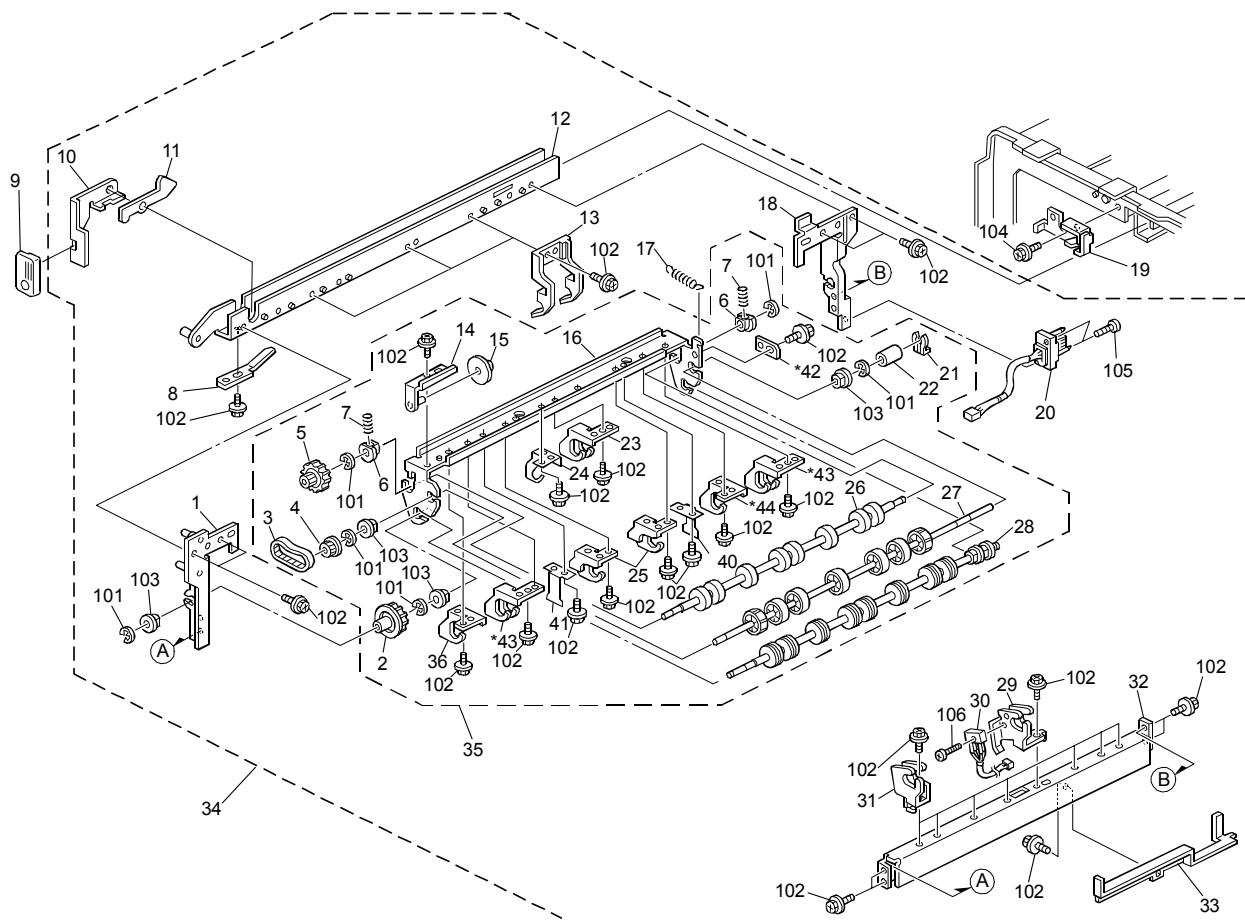
No: M-C235-029

Garnet/SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2293487	C2443487	SIDE PLATE:FRONT:SLIDE:PEEN	1	X/O	69	1
C2293471	C2443471	GRIP:LOCK:KNOB:PRINTING	1	X/O	69	9
C2363474	C2443474	LOCK:SLIDE RAIL	1	X/O	69	11
C2363485	C2593485	SLIDE RAIL:UPPER:PEEN	1	X/O	69	12
C2293609	C2443609	GUIDE:MASTER:TRAILING EDGE	3	X/O	69	13
C2293533	C2443533	BRACKET:BELT TENSIONER:PEEN	1	X/O	69	14
C2293455	C2443461	STAY:ROLLER:ARM	1	X/O	69	16
C2333482	C2593482	TENSION SPRING:POSITION:ROLLER:2.4N	1	X/O	69	17
C2293462	C2443462	SIDE PLATE:REAR:SLIDE	1	X/O	69	18
C2293589	C2443589	STOPPER:SLIDE RAIL:MACHINE OR COPIE	1	X/O	69	19
C2293457	C2443455	GUIDE:UPPER REAR	1	X/O	69	23
C2293458	C2443458	GUIDE:UPPER:SENSOR	1	X/O	69	24
C2293456	C2443454	GUIDE:UPPER MIDDLE	2	X/O	69	25
C2293453	C2443453	TRANSPORT ROLLER:UPPER:RUBBER	1	X/O	69	26
C2293454	C2393454	SEPARATION ROLLER	1	X/O	69	27
C2293467	C2443467	BRACKET:PHOTO REFLECTION SENSOR	1	X/O	69	29
C2293465	C2443465	GUIDE:LOWER:TRANSPORT ROLLER	7	X/O	69	31
C2293464	C2593464	STAY:LOWER:SIDE PLATE:MOVEABLE	1	X/O	69	32
C2293488	C2443488	COVER:HARNESS:SENSOR	1	X/O	69	33
C2293400	C2443405	TRANSPORT UNIT:MASTER EJECTION:ASS'Y	1	X/O	69	34
C2293450	C2443450	TRANSPORT ROLLER:MASTER EJECTION:ASS'Y	1	X/O	69	35
C2293615	C2443615	GUIDE:UPPER FRONT	1	X/O	69	36
C2333495	-	-	1->0	-	69	37
C2333496	-	-	1->0	-	69	38
C2333497	-	-	2->0	-	69	39
C2303621	C2443621	GUIDE:EXFOLIATION UNIT:REAR UPPER	1	X/O	69	40
C2303622	C2443622	GUIDE:EXFOLIATION UNIT:FRONT UPPER	1	X/O	69	41
-	C2443456	STOPPER:UPPER:TRANSPORT ROLLER	1	-	69	*42
-	C2443457	GUIDE:UPPER REAR:LEFT	2	-	69	*43
-	C2443459	GUIDE:UPPER REAR:RIGHT	1	-	69	*44

*: New index

Illustration - Garnet/SA2/SA2P Parts Catalog



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 9-May-06	No: M-C235-028a
Modified Article: Ink pump		Prepared by: K. Yamamoto	
From: Priort Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

MB Reissue

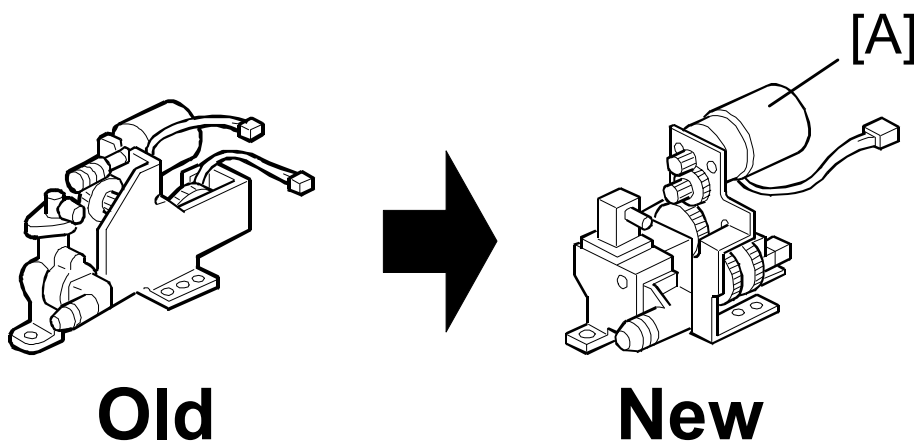
The areas in ***bold/italics*** were changed.

This MB applies only to the **Garnet**.

Change: 1) The shape of the ink pump **[A]** was changed.
 2) ***A filter was added to the motor***

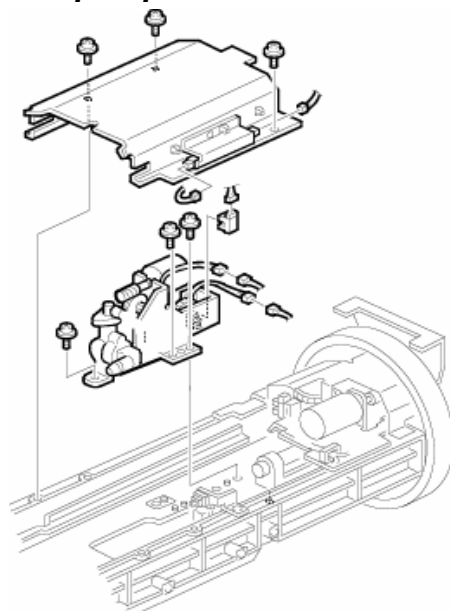
Reason: 1) To increase the vacuum power of the pump and minimize ink leaks
 2) ***To ensure that dust and other particles do not get inside the machine and damage the drum***

Note: ***The new motor can also be installed on the SA2.***

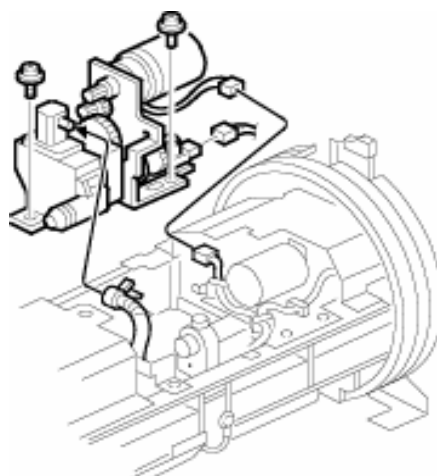


Modification Procedure

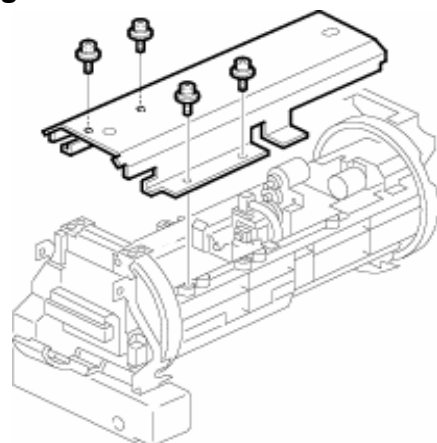
- 1. Remove the drum clumper, cloth screen and metal screen.***
- 2. Remove the ink cover and ink pump.***



- 3. Attach the new ink pump.***



- 4. Attach the new ink cartridge cover.***



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 9-May-06

No: M-C235-028a

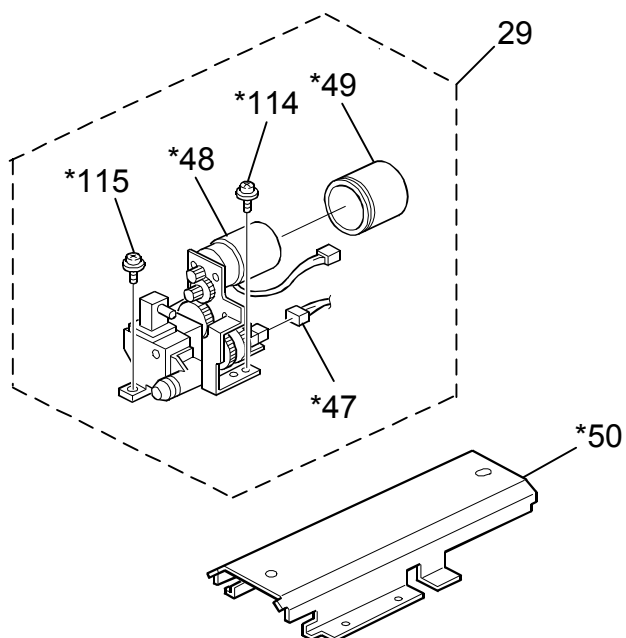
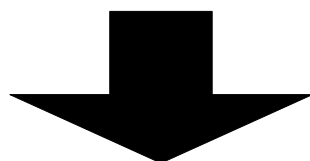
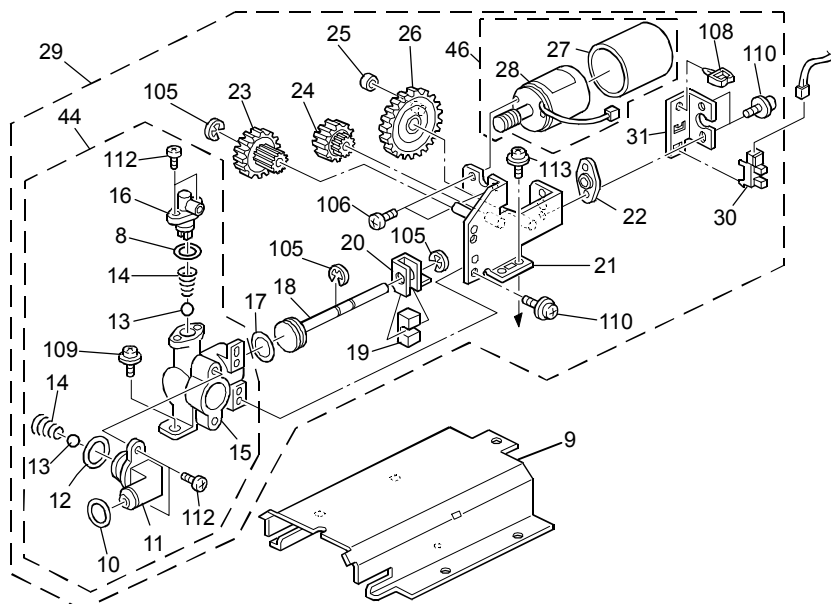
Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292514	-	-	1->0	-	51	8
C2292498	-	-	1->0	-	51	9
C2292515	-	-	1->0	-	51	10
C2292509	-	-	1->0	-	51	11
C2292516	-	-	1->0	-	51	12
56001403	-	-	2->0	-	51	13
C2244715	-	-	2->0	-	51	14
C2362532	-	-	1->0	-	51	15
C2292510	-	-	1->0	-	51	16
C2292517	-	-	1->0	-	51	17
C2292511	-	-	1->0	-	51	18
C2292519	-	-	1->0	-	51	19
C2292518	-	-	1->0	-	51	20
C2292520	-	-	1->0	-	51	21
C2292531	-	-	1->0	-	51	22
C2292528	-	-	1->0	-	51	23
C2292527	-	-	1->0	-	51	24
C2292525	-	-	1->0	-	51	25
C2292526	-	-	1->0	-	51	26
C2292537	-	-	1->0	-	51	27
C2295803	-	-	1->0	-	51	28
C2362509	C2622501	DRUM:PUMP:ASS'Y	1	X/O	51	29
AW020075	-	-	1->0	-	51	30
C2292530	-	-	1->0	-	51	31
C2362510	-	-	1->0	-	51	44
C2292529	-	-	1->0	-	51	46
-	C2575285	PUMP UNIT HARNESS	1	-	51	*47
-	C2622510	PUMP UNIT	1	-	51	*48
-	C2622511	CAP:PUMP MOTOR	1	-	51	*49
-	C2622498	COVER:INK CARTRIDGE	1	-	51	*50
07200050Z	-	-	1->0	-	51	105
03530040B	-	-	4->0	-	51	106
11050199	-	-	1->0	-	51	108
09514008Z	-	-	1->0	-	51	109
09514006Z	-	-	6->0	-	51	110
03140060Z	-	-	4->0	-	51	112
-	09514006Z	PHILIPS SCREW WITH FLAT WASHER - M4	1	-	51	*114
-	09514008Z	PHILIPS SCREW WITH FLAT WASHER - M4	1	-	51	*115

*: New index

Important: When you install the ink cartridge cover (**C2622498**) for the first time, make sure to install this part **together with C2622501 as a set.**

Illustration



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 9-May-06	No: M-C235-028a
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CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	F2360100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-
Ricoh JP8500	230/50	Europe, etc.	C244-27	-
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	-

Model Name	Destination	Code	Serial Number
Color Drum Type 55L	USA, Canada, Europe, etc.	C577-59	F2160100001
Color Drum Type 55S	USA, Canada, Europe, etc.	C587-59	F2260100001
Color Drum Type 80L	USA, Canada, Europe, etc.	C602-59	-
Color Drum Type 80S	USA, Canada, Europe, etc.	C605-59	-

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 8-May-06	No: M-C235-030
Modified Article: Xenon Lamp		Prepared by: A. Yoshida	
From: Priort Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☒ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: The color of the wire for the xenon lamp [A] was changed.

Reason: To further ensure the wire is attached correctly during assembly.

Important: When you install the xenon lamp, make sure that:

- 1) The wire [A] is under wire [B], and
- 2) Wires [A] and [B] do not touch the flexible cable [C].

Sapphire Parts Catalog

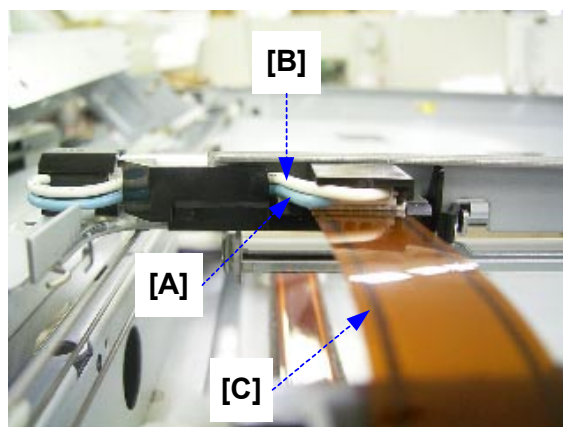
Old #	New #	Description	Qty	Int	Page	Index
C2361672	C2621672	XENON LAMP:MM10	1	O/O	65	1

Garnet /SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2361672	C2621672	XENON LAMP:MM10	1	O/O	55	1



Old



New

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 8-May-06

No: M-C235-030

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	F2351100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2351000001
Ricoh JP5500	230/50	Europe, etc.	C239-27	F2351100001
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2351000004
Standard SD650	120/60	USA, Canada	C244-11	F1851000001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	F1851000012
Ricoh JP8500	230/50	Europe, etc.	C244-27	F1851000025
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	F1851000008
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4351000001

Model: PRIORT SAPHIRE/GARNET/SA2/SA2P		Date: 12-Jun-06	No: M-C235-031
Modified Article: Change of the shapes of the two Plotter slide rails.		Prepared by:	
From: Priort Service Planning Section		M. Kumagai	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

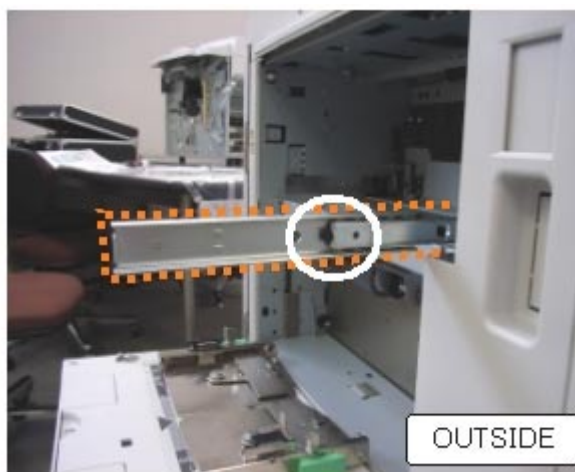
This MB applies to the Garnet ,SA2 and SA2P.

Change: The material of the plotter side rails was changed, and the rubber dampers were removed.

Reason: Sometimes, the rubber damper came loose from the side rail.

Garnet/ SA2/ SA2P Parts Catalog

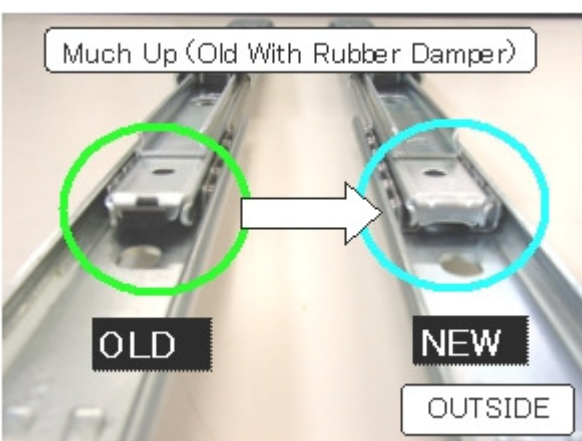
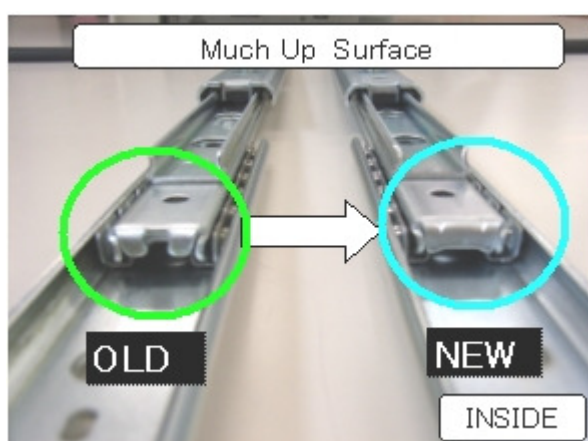
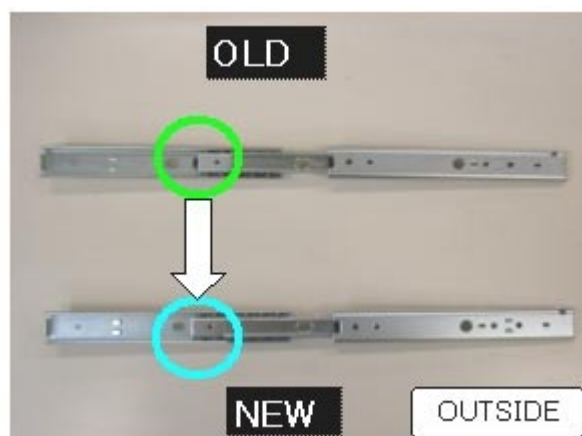
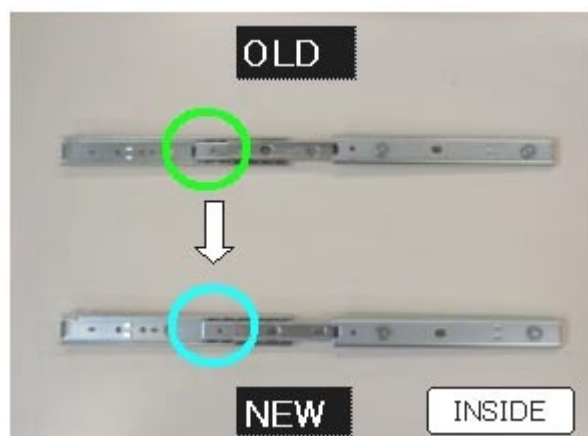
Old #	New #	Description	Qty	Int	Page	Index	Note
C2392275	C2622280	SLIDE RAIL:PLOTTER	2	X/O	63	2	



Model: PRIORT SAPHIRE/GARNET/SA2/SA2P

Date: 12-Jun-06

No: M-C235-031



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 12-Jun-06

No: M-C235-031

CUT IN SERIAL NUMBERS

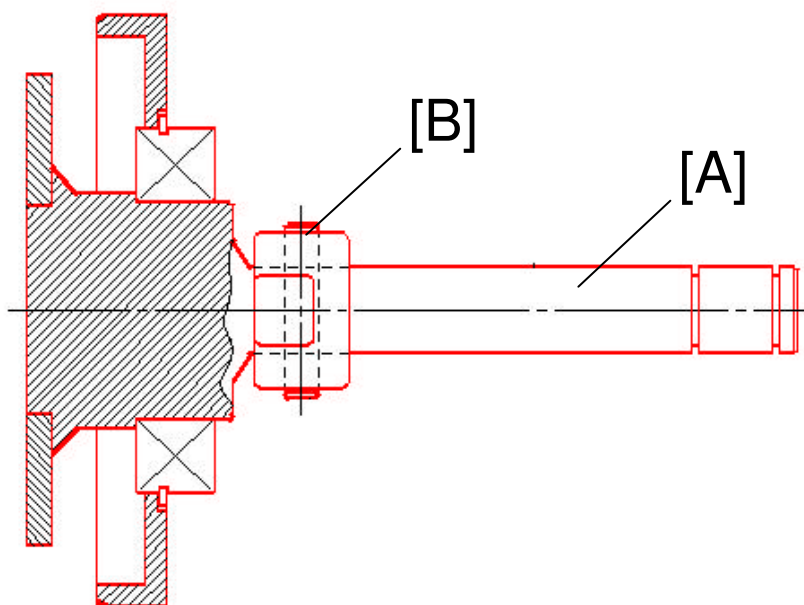
Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	F2360400001~
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1860400001~
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4360600001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 23-Aug-06	No: M-C235-032
Modified Article: Drum Drive Shaft		Prepared by: A. Yoshida	
From: Priport Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP 8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP 5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: The radius of hole for the drum drive shaft [A] was changed.

Reason:

- 1) To ensure that the pin [B] does not come loose from the drum spring shaft.
- 2) To improve the durability of the drum drive shaft.



Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2331090	C2441090	SHAFT:DRIVE:DRUM:ASS'Y	1	X/O	23	12

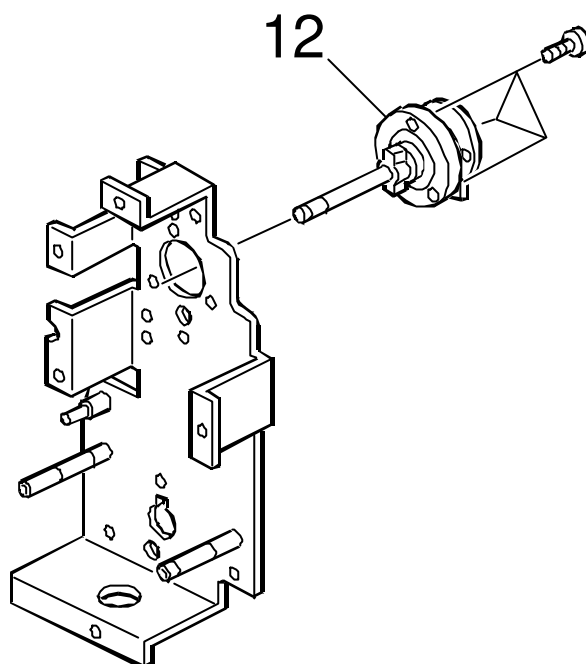
Garnet /SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2331090	C2441090	SHAFT:DRIVE:DRUM:ASS'Y	1	X/O	13	12

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P

Date: 23-Aug-06

No: M-C235-032

Illustration

CUT IN SERIAL NUMBERS

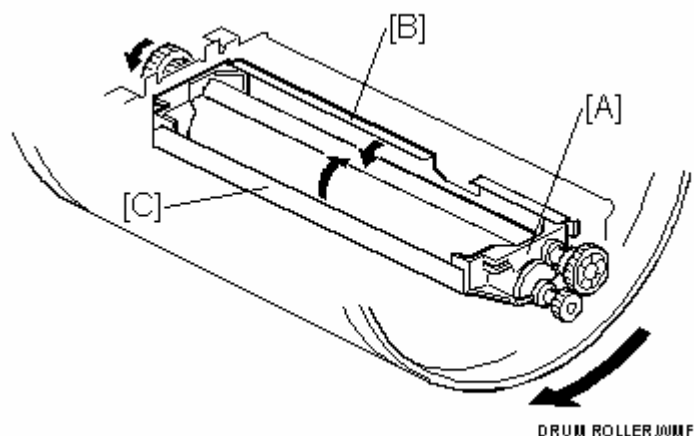
Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP 8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP 8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	F2351100001
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP 5500	230/50	Europe, etc.	C239-27	
Ricoh JP 5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	F1851100001
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP 8500	230/50	Europe, etc.	C244-27	
Ricoh JP 8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4351100001

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 20-Sep-06	No: M-C235-033
Modified Article: New parts for the drum		Prepared by: M. Kumagai	
From: Priport Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP 8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP 5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: Cleaning blades [B] and [C] were added around the ink roller and doctor roller.

Reason: To further ensure that ink does not leak inside the drum.

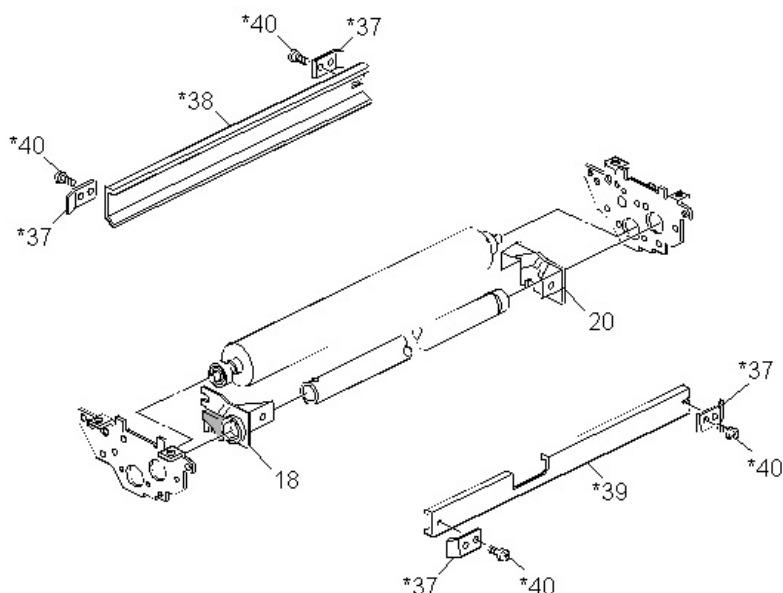
Note: The separation plate [A] (white plastic) cleans ink off the ends of the ink roller and doctor roller.



Model: SAPPHIRE/GARNET/SA2/SA2P

Date: 20-Sep-06

No: M-C235-033



Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362318	C2362319	OIL SUPPLY ROLLER:OIL SUPPLY ROLLER	1	X/O	61	34
C2292450	C2622450	SEPARATION PLATE:INK:FRONT:ASS'Y	1	X/O as a set	61	18
C2292466	C2622466	SEPARATION PLATE:INK:REAR:ASS'Y	1		61	20
-	C2622623	PLATE:BLADE:DRUM	4		61	*37
-	C2622472	BLADE:COLLECT:REAR	1		61	*38
-	C2622473	BLADE:COLLECT:FRONT	1		61	*39
	04523006N	BINDING SELF-TAPPING SCREW:3X6	4		61	*40

SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2362318	C2362319	OIL SUPPLY ROLLER:OIL SUPPLY ROLLER	1	X/O	51	34
C2292450	C2622450	SEPARATION PLATE:INK:FRONT:ASS'Y	1	X/O as a set	51	18
C2292466	C2622466	SEPARATION PLATE:INK:REAR:ASS'Y	1		51	20
-	C2622623	PLATE:BLADE:DRUM	4		51	*37
-	C2622472	BLADE:COLLECT:REAR	1		51	*38
-	C2622473	BLADE:COLLECT:FRONT	1		51	*39
-	04523006N	BINDING SELF-TAPPING SCREW:3X6	4		51	*40

Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392317	C2392324	OIL SUPPLY ROLLER:OIL SUPPLY ROLLER	1	X/O	51	34
C2292450	C2622450	SEPARATION PLATE:INK:FRONT:ASS'Y	1	X/O as a set	51	18
C2292466	C2622466	SEPARATION PLATE:INK:REAR:ASS'Y	1		51	20
-	C2622623	PLATE:BLADE:DRUM	4		51	*37
-	C2622472	BLADE:COLLECT:REAR	1		51	*38
-	C2622473	BLADE:COLLECT:FRONT	1		51	*39
-	04523006N	BINDING SELF-TAPPING SCREW:3X6	4		51	*40

*new additional parts

Model: SAPPHIRE/GARNET/SA2/SA2P**Date:** 20-Sep-06**No:** M-C235-033**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP 8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP 8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	F2360100017
Ricoh JP 5500	230/50	Europe, etc.	C239-27	-
Ricoh JP 5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	F2360100001
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-
Ricoh JP 8500	230/50	Europe, etc.	C244-27	-
Ricoh JP 8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4360100001

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 4-Jun-07	No: M-C235-034
Modified Article: Modified to environmentally-friendly material		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☒ Other ()			
Model Name: GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150			

Change: The materials of these parts were changed to more environmentally-friendly types.

Reason:

- Ricoh's ongoing application of in-house environmental management standards.
- Parts standardization with the GARNET.

NOTE: For other changes to environmentally-friendly materials, see MB #MC235-023 and #MC235-029.

1. Exterior

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291264	C2441264	Safety Switch Bracket	1	O/O	3	3
C2291258	C2441258	Door Support Plate	1	O/O	3	4
C2291254	C2441254	Cushion – Front Door	2	O/O	3	5
C2291259	C2441259	Door Catch Bracket	1	O/O	3	9
C2391270	C2591270	Rear Right Cover	1	O/O	3	19
C2392766	C2442762	Upper Shield Plate	1	O/O	5	14
C2292764	C2442764	Lower Shield Plate A	2	O/O	5	15
C2292765	C2442765	Lower Shield Plate B	1	O/O	5	16
C2292763	C2442763	Lower Shield Plate	1	O/O	5	17

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-034
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2. Frame Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291070	C2441070	Grip Plate – Long	2	O/O	9	3
C2291072	C2441072	Grip Guide Bracket	3	O/O	9	4
C2291073	C2441073	Right Grip Cover – Inner Rear	1	O/O	9	5
C2291071	C2441071	Grip Plate – Short	2	O/O	9	6
C2293973	C2443973	Paper Exit Pawl Bracket	1	O/O	9	10
C2293968	C2443968	Paper Exit Pawl Lever	1	O/O	9	12
C2293596	C2443596	Lower Guide Stay – Transfer Roller	1	O/O	9	14
C2291078	C2441078	Harness Cover	1	O/O	9	15
C2361861	C2441861	Left Guide Plate	2	O/O	9	25
C2361862	C2441862	Hinge Spacer	1	O/O	9	26
C2291272	C2441272	Left Cover Bracket	1	O/O	11	2
C2295644	C2445644	Safety Switch Bracket	1	O/O	11	5
AG071010	AG071012	Magnet Catch	1	O/O	11	6
C2295645	C2445645	Safety Switch Lever	1	O/O	11	8
C2332616	C2652616	Right Drum Lock Pin	1	O/O	11	12
C2098288	C2575856	Table Down Switch	1	O/O	11	14
C2292279	C2442279	Tension Bracket	1	O/O	11	16
C2295614	C2445614	Total Counter Bracket	1	O/O	11	17
C2295812	C2575875	Print Counter	1	O/O	11	18
C2325627	C2445627	Bracket Circuit Board LED	1	O/O	11	21

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-034
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3. Drive Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293185	C2443185	Gear Adjuster	1	O/O	13	1
C2293184	C2443184	Stopper Flange	1	O/O	13	4
C2291101	C2651101	Drum Drive Support Plate	1	O/O	13	10
C2291028	C2651028	Pressure Cylinder Drive Shaft	1	O/O	13	15
C2291145	C2441145	Belt Tension Roller	2	O/O	13	17
C2291048	C2441048	Tension Bracket	1	O/O	13	18
C2291067	C2441067	Tension Holder	1	O/O	13	19
C2015125	C2485125	Stepped Screw – M6	1	O/O	13	21
C2291036	C2441036	Drive Bracket	1	O/O	13	22
C2331036	C2571036	Torque Limiter Ass'y	1	O/O	13	26
C2291040	C2441040	Bearing Holder	1	O/O	13	27
C2291066	C2441066	Main Motor Base	1	O/O	13	29
C2291048	C2441048	Tension Bracket	1	O/O	15	4
C2292561	C2485125	Stepped Screw	1	O/O	15	6
C2291143	C2651143	Tension Spring	1	O/O	15	7
C2291124	C2441124	Sector Gear – Image Shift	1	O/O	15	15
AW020075	AW020141	Photointerruptor	2	O/O	15	17
C2291145	C2441145	Belt Tension Roller	1	O/O	15	27
C2291093	C2441093	Timing Pulley Bracket	1	O/O	15	28
C2294001	C2444001	Eject Clamper Open Arm	1	O/O	17	1
C2294051	C2444051	Joint Link	1	O/O	17	3
C2293522	C2443522	Stepped Screw	1	O/O	17	5
C2394052	C2444052	Sector Gear	1	O/O	17	6
C2294054	C2444054	Sector Arm	1	O/O	17	8
AW020075	AW020141	Photointerruptor	2	O/O	17	9
C2292931	C2442931	Pulley Cover	1	O/O	17	13
C2292930	C2442930	Guide Plate	1	O/O	17	14
C2292927	C2572927	Pressure Release Gear	1	O/O	17	15
C2365731	C2445731	Paper Feed Motor Bracket	2	O/O	17	20
C2362998	C2652998	Tension Spring – 18N	1	O/O	17	24

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4. Paper Feed Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291291	C2441291	Support Plate – Right Lower	1	O/O	19	1
C2292828	C2652828	Lift Up Spring – Paper Tray	2	O/O	19	2
C2292769	C2392769	Side Fence Pad Ass'y	2	O/O	19	11
C2292771	C2392771	Side Fence Pad	2	O/O	19	12
C2295807	C2575807	Photosensor – GP2A25	1	O/O	19	24
C2392744	C2392747	Paper Feed Unit Ass'y	1	O/O	21	*
C2292826	C2442826	Spring Anchor – Right	1	O/O	21	7
C2292805	C2442806	Paper Tray	1	O/O	21	9
C2295814	C2595814	DC Motor – 24V	1	O/O	21	11
C2295807	C2575807	Photosensor – GP2A25	1	O/O	21	13
51511009	AA143569	Shoulder Screw – M4	8	O/O	21	16
C2292776	C2442786	Left Stay – Paper Table	1	O/O	21	18
C2292757	C2442757	Paper Table Lower Stay	1	O/O	21	19
C2292823	C2652823	Table Lift Shaft	1	O/O	21	20
C2292817	C2442817	Pressure Release Arm – Left	1	O/O	21	22
C2292816	C2442816	Pressure Release Arm – Right	1	O/O	21	23
C2292815	C2442815	Left Adjusting Plate	1	O/O	21	24
C2292814	C2442814	Right Adjusting Plate	1	O/O	21	25
AW020075	AW020141	Photointerruptor	2	O/O	21	26
C2292810	C2442810	Paper Set Sensor Bracket	1	O/O	21	27
C2292775	C2442785	Right Stay – Paper Table	1	O/O	21	28
C2292807	C2442807	Paper Table – Fixed	1	O/O	21	29
C2292845	C2442845	Paper Feed Guide Plate	2	O/O	23	3
C2292860	C2442860	Spring Bracket	1	O/O	23	4
54195714	C2442455	Stepped Screw – M4	2	O/O	23	5
C2292861	C2652861	Paper Pressure Spring	1	O/O	23	10
C2292866	C2442866	Height Sensor Bracket	1	O/O	23	21
AW020075	AW020141	Photointerruptor	1	O/O	23	23
C2292834	C2572835	Balancer Arm	2	O/O	23	24
C2362265	C2442265	Sensor Bracket	1	O/O	25	2
C2392267	C2592267	Paper Tray Holder	2	O/O	25	7
AA143120	AA143569	Stepped Screw – M3x3	6	O/O	25	8
C2362875	C2442875	Motor Bracket	1	O/O	25	12
C2362867	C2652867	Compression Spring	2	O/O	25	17
C2352832	C2442832	Drum Stay – Paper Feed Ass'y	1	O/O	25	19
C2362871	C2442871	Motor Bracket	1	O/O	25	20
54195714	C2442455	Stepped Screw – M4	2	O/O	25	22
C2362855	C2442855	Lower Pressure Plate	1	O/O	25	23
C2362858	C2652858	Compression Spring	1	O/O	25	24
C2362847	C2442848	Upper Pressure Plate	1	O/O	25	28

C2362840	C2442840	Guide Rail Base	1	O/O	25	30
C2292633	C2442633	Stepped Screw	2	O/O	25	34
AW020075	AW020141	Photointerruptor	2	O/O	25	37
C2362879	C2442879	Sensor Bracket	1	O/O	25	38
C2362850	C2572899	Magnetic	1	O/O	25	41
C2352898	C2442880	Cover – Separation Sub – Unit	1	O/O	25	42
C2362845	C2572845	Upper Pressure Plate Ass'y	1	O/O	25	46
C2002266	C2442266	Bearing Holder	2	O/O	27	1
C2292921	C2442921	Registration Sensor Bracket	1	O/O	27	14
C2295807	C2575807	Photosensor – GP2A25	2	O/O	27	16
C2292919	C2442919	Guide Plate Spacer	2	O/O	27	19
C2292923	C2442923	Left Bracket – Guide Plate	1	O/O	27	21
C2292906	C2652906	Lower Registration Roller	1	O/O	27	22
C2292922	C2442922	Right Bracket – Guide Plate	1	O/O	27	23
C2175126	C2445126	Cam Follower Plate	1	O/O	27	24

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5. Pressure Cylinder

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293096	C2443096	Paper Feed Actuator	2	O/O	29	2
C2293094	C2443094	Encoder Holder	1	O/O	29	4
C2293093	C2443093	Encoder	1	O/O	29	5
C2363261	C2443261	Arm Ass'y	1	O/O	29	10
C2363251	C2653251	Exit Pawl Shaft	1	O/O	29	14
C2363252	C2443252	Exit Pawl Drive Guide	1	O/O	29	16
C2293206	C2443206	Shaft Stopper	1	O/O	31	1
C2293161	C2443161	Pressure Shaft Bracket – Front	1	O/O	31	3
C2333270	C2653270	Pressure Spring	2	O/O	31	5
C2293165	C2653165	Pressure Release Shaft	1	O/O	31	6
C2293166	C2653166	Release Spring	1	O/O	31	9
C2293163	C2443163	Solenoid Bracket	1	O/O	31	13
C2293226	C2443226	Pressure Cylinder Shaft Holder	1	O/O	31	14
AA143062	AA143562	Shoulder Screw	1	O/O	31	15
C2291162	C2441162	Pulley Spacer	1	O/O	33	2
C2321170	C2441170	Cover Dial Print	1	O/O	33	7
C2321167	C2441167	Pulley Ass'y	1	O/O	33	8
C2321164	C2441164	Bracket Dial Ass'y	1	O/O	33	9
C2174426	C2444426	Shoulder Screw	2	O/O	33	11
C2293143	C2443143	Rack – Exchange Ass'y	1	O/O	33	12
AW020075	AW020141	Photointerruptor	4	O/O	33	17
C2291043	C2651043	Dial Shaft	1	O/O	33	19
C2295807	C2575807	Photosensor – GP2A25	1	O/O	33	21
C2293951	C2443951	Lower Paper Exit Sensor Bracket	1	O/O	33	22
C2293930	C2443930	Gear Holder	1	O/O	33	30
C2292631	C2442631	Linit Sensor Bracket	2	O/O	33	33
C2293195	C2443195	Gear Spacer	1	O/O	33	34
C2293976	C2443976	Lever Stopper	1	O/O	33	39
C2293150	C2653150	Job Motor Bracket	1	O/O	33	43
AW020075	AW020141	Photointerruptor	1	O/O	33	44
C2291044	C2441044	Spacer	1	O/O	33	45
C2292630	C2592630	Drum H.P Sensor Ass'y	2	O/O	33	47

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6. Paper Exit Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2393303	C2443303	Exit Cover	1	O/O	35	4
C2393857	C2443857	Left Support Cover	1	O/O	35	6
C2393858	C2443858	Right Support Cover	1	O/O	35	14
C2294674	C2444674	Separator Cover Hinge	1	O/O	35	16
C2294676	C2654676	Separator Cover Spring	1	O/O	35	18
C2294677	C2444677	Cushion	1	O/O	35	20
AW020075	AW020141	Photointerruptor	2	O/O	37	18
C5934111	C2444111	Tapping Screw	2	O/O	37	19
C2293913	C2443913	Motor Bracket	1	O/O	37	22
C5934103	C6394103	Transport Belt Shaft	1	O/O	37	27
C2364004	C2363806	Vacuum Unit Ass'y	1	O/O	37	29
C2294702	C2444702	Lift Motor Gurd Plate	1	O/O	39	1
C2294671	C2444671	Sensor Bracket	1	O/O	39	5
AW020075	AW020141	Photointerruptor	1	O/O	39	6
C2294701	C2444701	Lift Motor Bracket	1	O/O	39	8
C2294733	C2654733	Arm Spring	1	O/O	39	20
C2294730	C2444730	Separator Arm Holder	1	O/O	39	22
C2294703	C2444703	Separator Slider Bracket	1	O/O	39	24
C2174426	C2444426	Shoulder Screw	2	O/O	41	35
C6044453	C6284448	Knob Screw	2	O/O	41	36
C2314409	C2614409	Support Plate	2	O/O	41	37
C6044203	C6044204	End Fence Ass'y	1	O/O	41	38

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7. Drum Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2193950	C2442453	Stepper Screw	1	O/O	43	2
C2292357	C2442357	Switch Lever Knob	1	O/O	43	6
C2362365	C2442365	Switch Lever Bracket	1	O/O	43	7
C2362360	C2442360	Connector Bracket	1	O/O	43	9
C2292377	C2442377	Magnet Catch Bracket	1	O/O	43	13
C2292374	C2442353	Front Magnet Catch	1	O/O	43	16
C2292362	C2442362	Drum Release Grip	1	O/O	43	17
C2292385	C2442385	Grip Rail	1	O/O	43	20
C2292413	C2442413	Stepped Screw – Drum Lock	1	O/O	43	24
C2015125	C2445125	Stepped Screw – M6	2	O/O	43	29
C2292644	C2442644	Rear Drum Frame Aux	1	O/O	43	31
C2292390	C2442390	Stepped Screw	3	O/O	43	36
C2292397	C2442397	Left Bracket	2	O/O	43	37
C2292398	C2442398	Right Bracket	1	O/O	43	38
C2292434	C2442434	Switch Acuator	1	O/O	45	6
C2292431	C2442431	Drum Positioning Pin	2	O/O	45	11
C2292424	C2442424	Plate Nut	1	O/O	45	13
53501754	C2442450	Stud – M5x4	1	O/O	45	18
C2292601	C2442601	Front Stepped Screw	1	O/O	45	22
C2292487	C2442487	Ink Holder Knob	1	O/O	47	7
AW020075	AW020141	Photointerruptor	3	O/O	47	30
C2292590	C2362547	Shift Motor Cover	1	O/O	47	43
C2292494	C2442494	Left Slide Rail	1	O/O	49	10
C2292495	C2442495	Right Slide Rail	1	O/O	49	11
AW020075	AW020141	Photointerruptor	1	O/O	49	13
C2094713	C2442530	Hose Band	2	O/O	49	19
C2015125	C2445125	Stepped Screw – M6	2	O/O	51	6
C2362567	C2652567	Arm Shaft	1	O/O	51	10
C2256135	C2652315	Stepped Screw	2	O/O	51	12
C2292646	C2652646	Gear Z16	1	O/O	51	22
C2362563	C2652563	Rear Spring	1	O/O	51	27

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8. Scanner Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
A2671814	C2441814	Hinge Bracket – Platen Cover	1	O/O	53	1
A2671813	C2441813	Scanner Frame	2	O/O	53	2
AW020086	AW020156	Photointerruptor	2	O/O	53	4
A2671743	C2441742	Bracket – Scale	1	O/O	53	5
A1931759	B3901759	Stepped Screw	5	O/O	53	7
A2671815	C2441815	Right Inner Cover	1	O/O	53	11
A2675703	C2575135	Flexible Cable	1	O/O	55	3
A2671752	C2441752	1 st Scanner Housing	1	O/O	55	5
A2501761	Aw010126	Original Sensor – H=2-66	2	O/O	55	9
C2391673	C2391674	Lens Ass'y	1	O/O	55	11
C2361655	C2441655	Carriage No.1 Ass'y	1	O/O	55	13
A2671811	C2441811	Front Stay Bracket	1	O/O	57	1
A2671849	C2441849	Tension Bracket	2	O/O	57	2
A1931783	AA060980	Tension Spring	2	O/O	57	3
A2671846	C2641846	Idle Bracket	2	O/O	57	4
A2671853	B1801824	Pulley – Front Left	2	O/O	57	5
A2671671	C2591672	Carriage – No.2 Ass'y	1	O/O	57	11
A2671854	B1801826	Pulley – Rear Left	2	O/O	57	13
A2671816	C2591816	Guide – Flexible Board	1	O/O	57	15
A2671825	C2641825	Scanner Drive Shaft	1	O/O	57	19
C2361816	C2651816	Tension Spring 8215mn	1	O/O	57	23
A2671812	C2441812	Rear Stay Bracket	1	O/O	57	24
C2361817	C2441817	Motor Bracket	1	O/O	57	25
C2361815	C2441815	Stepper Motor Base	1	O/O	57	28

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9. Plotter Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2292163	C2642163	Spring	2	O/O	59	2
C2292158	C2442158	Master Feed Roller Knob	2	O/O	59	10
C2392132	C2652132	Plotter Cover	1	O/O	59	19
C2132435	C2442435	Magnet Plate	1	O/O	59	20
C2292188	C2442188	Front Master Stay	1	O/O	59	24
C2292187	C2442187	Bracket Hinge Pin	1	O/O	59	27
C2392037	C2442037	Reverse Roller Lower Guide	1	O/O	61	3
AW020075	AW020141	Photointerruptor	1	O/O	61	16
C2295807	C2575807	Photosensor – GP2A25	1	O/O	61	22
C2292139	C2442139	Lower Master Cover	1	O/O	61	24
C2391994	C2441994	Plotter Slide Rail Screw	1	O/O	63	1
C2322003	C2652003	Lower Tension Roller	1	O/O	63	11
C2322098	C2442098	Base Stopper Bracket	1	O/O	63	33
C2392067	C2442067	Duct Cover Magnet	1	O/O	65	3
C2292047	C2442047	Right Reverse Roller Guide	2	O/O	65	9
C2332042	C2442042	Release Guide Plate	1	O/O	65	10
C2391994	C2441994	Plotter Slide Rail Screw	1	O/O	65	27
C2302198	C2442198	Magnet Catch	1	O/O	65	31
C2292052	C2442052	Release Guide Arm	1	O/O	65	33
C2292057	C2442057	Upper Link Arm	1	O/O	65	34
C2292477	C2572485	Duct Sensor Sheet	1	O/O	65	43

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10.Master Eject

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293541	C2653541	Joint Pressure Spring	1	O/O	67	3
C2293549	C2443549	Joint Gear Bracket	1	O/O	67	5
AA063163	C2653585	Connector Spring	2	O/O	67	6
AA143120	AA143569	Stepped Screw – M3x3	2	O/O	67	8
AW020075	AW020141	Photointerruptor	2	O/O	67	9
C2293564	C2443564	Eject Cam Holder	1	O/O	67	11
C2293565	C2653565	Master Eject Cam Spring	1	O/O	67	13
C2293563	C2443563	Motor Bracket	1	O/O	67	16
C2293543	C2443543	Motor Bracket	1	O/O	67	26
C2293459	C2593459	Pressure Spring	2	O/O	69	7
C2293471	C2443471	Roller Unit Knob	1	O/O	69	9
C2293451	C2653451	Lower Transport Roller	1	O/O	69	28
C2293522	C2443522	Stepped Screw	1	O/O	71	4
C2293518	C2443518	Eject Box Upper Stay	1	O/O	71	12
C2293499	C2443499	Eject Box Lower Stay	1	O/O	71	13
C2293517	C2443517	Lower Left Case	1	O/O	71	18
C2293509	C2443509	Upper Case Bracket	1	O/O	71	22
C2293508	C2653508	Release Spring	1	O/O	71	23
C2293491	C2443494	Upper Case	1	O/O	71	25
C2393401	C2653402	Master Eject Box Ass'y	1	O/O	71	27

11. Electrical Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2325618	C2445618	Upper Bracket	1	O/O	73	2
C2295622	C2445622	Motor Control Board Bracket	1	O/O	73	15
C2295624	C2445624	Key Counter Bracket	1	O/O	75	2
C2365626	C2445626	Upper Bracket – MPU Board	1	O/O	75	3
C2295625	C2445625	Interface Bracket	1	O/O	75	6
C2295611	C2445611	Power Supply Cord Bracket	1	O/O	75	8
C2325610	C2625610	Outlet Sheet	1	O/O	75	12
C2295613	C2445613	Power Supply Cord Cover	1	O/O	75	14
C2295619	C2445619	Lower Bracket – MPU Board	1	O/O	75	15
C2291073	C2441073	Right Grip Cover – Inner Rear	1	O/O	75	19

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Modified Article: Modified to environmentally-friendly material		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☒ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630			

Change: The materials of these parts were changed to more environmentally-friendly types.

Reason:

- Ricoh's ongoing application of in-house environmental management standards.
- Parts standardization with the Sapphire.

NOTE: For other changes to environmentally-friendly materials, see MB #MC235-023 and #MC235-029.

1. Exterior

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291264	C2441264	Safety Switch Bracket	1	O/O	11	3
C2291258	C2441258	Door Support Plate	1	O/O	11	4
C2291254	C2441254	Cushion – Front Door	2	O/O	11	5
C2291259	C2441259	Door Catch Bracket	1	O/O	11	9
C2291270	C2331270	Rear Right Cover	1	O/O	11	19
A1931759	B3901759	Stepped Screw	2	O/O	13	7
C2292764	C2442764	Lower Shield Plate A	2	O/O	13	15
C2292765	C2442765	Lower Shield Plate B	1	O/O	13	16
C2292763	C2442763	Lower Shield Plate	1	O/O	13	17

2. Platen Cover

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
A2501383	B4841383	Bracket – Platen Cover	1	O/O	17	10

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3. Frame Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291070	C2441070	Grip Plate – Long	2	O/O	19	3
C2291072	C2441072	Grip Guide Bracket	3	O/O	19	4
C2291073	C2441073	Right Grip Cover – Inner Rear	1	O/O	19	5
C2291071	C2441071	Grip Plate – Short	1	O/O	19	6
C2293973	C2693356	Paper Exit Pawl Bracket	1	O/O	19	10
C2293968	C2443968	Paper Exit Pawl Lever	1	O/O	19	12
C2293596	C2443596	Lower Guide Stay – Transfer Roller	1	O/O	19	14
C2291078	C2441078	Harness Cover	1	O/O	19	15
C2361861	C2441861	Left Guide Plate	1	O/O	19	25
C2361862	C2441862	Hinge Spacer	1	O/O	19	26
C2291272	C2441272	Left Cover Bracket	1	O/O	21	2
C2295644	C2445644	Safety Switch Bracket	1	O/O	21	5
AG071010	AG071012	Magnet Catch	1	O/O	21	6
C2295645	C2445645	Safety Switch Lever	1	O/O	21	8
C2362620	C2442620	Bracket - Drum Left	1	O/O	21	10
C2292616	C2652616	Right Drum Lock Pin	1	O/O	21	12
C2098288	C2575856	Table Down Switch	1	O/O	21	14
C2292279	C2442279	Tension Bracket	1	O/O	21	16
C2295614	C2445614	Total Counter Bracket	1	O/O	21	17
C2295812	C2575875	Print Counter	1	O/O	21	18
C2325627	C2445627	Bracket Circuit Board LED	1	O/O	21	21

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4. Drive Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293185	C2443185	Gear Adjuster	1	O/O	23	1
C2293184	C2443184	Stopper Flange	1	O/O	23	4
C2291101	C2651101	Drum Drive Support Plate	1	O/O	23	10
C2291028	C2651028	Pressure Cylinder Drive Shaft	1	O/O	23	15
C2291145	C2441145	Belt Tension Roller	2	O/O	23	17
C2291048	C2441048	Tension Bracket	1	O/O	23	18
C2291067	C2441067	Tension Holder	1	O/O	23	19
C2291143	C2651143	Tension Spring	1	O/O	23	20
C2015125	C2445125	Stepped Screw – M6	1	O/O	23	21
C2291036	C2441036	Drive Bracket	1	O/O	23	22
C2291040	C2441040	Bearing Holder	1	O/O	23	27
C2291066	C2441066	Main Motor Base	1	O/O	23	29
C2331036	C2571036	Torque Limiter Ass'y	1	O/O	23	36
C2291048	C2441048	Tension Bracket	1	O/O	25	4
C2015125	C2445125	Stepped Screw – M6	1	O/O	25	6
C2291143	C2651143	Tension Spring	1	O/O	25	7
C2291123	C2651123	Left Image Shaft	1	O/O	25	13
C2291124	C2441124	Sector Gear – Image Shift	1	O/O	25	15
AW020075	AW020141	Photointerruptor	2	O/O	25	17
C2291145	C2441145	Belt Tension Roller	1	O/O	25	27
C2291093	C2441093	Timing Pulley Bracket	1	O/O	25	28
C2294001	C2444001	Eject Clamper Open Arm	1	O/O	27	1
C2294051	C2444051	Joint Link	1	O/O	27	3
C2293522	C2443522	Stepped Screw	1	O/O	27	5
C2294052	C2444052	Sector Gear	1	O/O	27	6
C2294054	C2444054	Sector Arm	1	O/O	27	8
AW020075	AW020141	Photointerruptor	2	O/O	27	9
C2292931	C2442931	Pulley Cover	1	O/O	27	13
C2292930	C2442930	Guide Plate	1	O/O	27	14
C2292927	C2572927	Pressure Release Gear	1	O/O	27	15
C2365731	C2445731	Paper Feed Motor Bracket	2	O/O	27	20
C2362998	C2652998	Tension Spring -18N	1	O/O	27	23

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5. Paper Feed Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291291	C2441291	Support Plate – Right Lower	1	O/O	29	1
C2292828	C2652828	Lift Up Spring – Paper Tray	2	O/O	29	2
C2352769	C2572780	Side Fence Pad Ass'y	2	O/O	29	13
C2352771	C2572781	Side Fence Pad	1	O/O	29	14
C2295807	C2575807	Photosensor – GP2A25	1	O/O	29	30
C2352744	C2352743	Paper Feed Unit Ass'y	1	O/O	29	40
C2292826	C2442826	Spring Anchor – Right	1	O/O	31	7
C2292806	C2442806	Paper Tray	1	O/O	31	9
C2295814	C2575814	DC Motor – 24V	1	O/O	31	11
C2295807	C2575807	Photosensor – GP2A25	1	O/O	31	13
51511009	AA143834	Shoulder Screw – M4	8	O/O	31	16
C2292776	C2442786	Left Stay – Paper Table	1	O/O	31	18
C2292757	C2442757	Paper Table Lower Stay	1	O/O	31	19
C2292823	C2652823	Table Lift Shaft	1	O/O	31	20
C2292817	C2442817	Pressure Release Arm – Left	1	O/O	31	22
C2292816	C2442816	Pressure Release Arm – Right	1	O/O	31	23
C2292815	C2442815	Left Adjusting Plate	1	O/O	31	24
C2292814	C2442814	Right Adjusting Plate	1	O/O	31	25
AW020075	AW020141	Photointerruptor	2	O/O	31	26
C2292810	C2442810	Paper Set Sensor Bracket	1	O/O	31	27
C2292775	C2442785	Right Stay – Paper Table	1	O/O	31	28
C2292807	C2442807	Paper Table – Fixed	1	O/O	31	29
C2292845	C2442845	Paper Feed Guide Plate	1	O/O	33	3
C2292860	C2442860	Spring Bracket	1	O/O	33	4
54195714	C2442455	Stepped Screw – M4	2	O/O	33	5
C2292861	C2652861	Paper Pressure Spring	1	O/O	33	10
C2292866	C2442866	Height Sensor Bracket	1	O/O	33	21
AW020075	AW020141	Photointerruptor	1	O/O	33	23
C2292834	C2572835	Balancer Arm	2	O/O	33	24
C2362265	C2442265	Sensor Bracket	1	O/O	35	2
AA143120	AA143569	Stepped Screw – M3x3	6	O/O	35	8
AA063163	C2693585	Connector Spring	1	O/O	35	9
C2362875	C2442875	Motor Bracket	1	O/O	35	12
C2365157	C2575153	Paper Feed Control Board	1	O/O	35	13
C2362867	C2652867	Compression Spring	2	O/O	35	17
C2352832	C2442832	Drum Stay – Paper Feed Ass'y	1	O/O	35	19
C2362871	C2442871	Motor Bracket	1	O/O	35	20
54195714	C2442455	Stepped Screw – M4	2	O/O	35	22
C2362855	C2442855	Lower Pressure Plate	1	O/O	35	23
C2362858	C2652858	Compression Spring	1	O/O	35	24
C2362847	C2442848	Upper Pressure Plate	1	O/O	35	28
C2362844	B2231317	Stepped Screw	2	O/O	35	29

C2362840	C2442840	Guide Rail Base	1	O/O	35	30
C2292633	C2442633	Stepped Screw	2	O/O	35	34
AW020075	AW020141	Photointerruptor	2	O/O	35	37
C2362879	C2442879	Sensor Bracket	1	O/O	35	38
C2362850	C2572899	Magnetic	1	O/O	35	41
C2352898	C2442880	Cover – Separation Sub – Unit	1	O/O	35	42
C2362845	C2572845	Upper Pressure Plate Ass'y	1	O/O	35	44
C2002266	C2442266	Bearing Holder	2	O/O	37	1
C2292921	C2442921	Registration Sensor Bracket	1	O/O	37	14
C2295807	C2575807	Photosensor – GP2A25	2	O/O	37	16
C2292919	C2442919	Guide Plate Spacer	2	O/O	37	19
C2292923	C2442923	Left Bracket – Guide Plate	1	O/O	37	21
C2292906	C2652906	Lower Registration Roller	1	O/O	37	22
C2292922	C2442922	Right Bracket – Guide Plate	1	O/O	37	23
C2175126	C2445126	Cam Follower Plate	1	O/O	37	24

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6. Pressure Cylinder

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293096	C2443096	Paper Feed Actuator	2	O/O	39	2
C2293094	C2443094	Encoder Holder	1	O/O	39	4
C2293093	C2443093	Encoder	1	O/O	39	5
C2363261	C2443261	Arm Ass'y	1	O/O	39	10
C2363251	C2653251	Exit Pawl Shaft	1	O/O	39	14
C2363252	C2443252	Exit Pawl Drive Guide	2	O/O	39	16
C2293206	C2443206	Shaft Stopper	1	O/O	41	1
C2293161	C2443161	Pressure Shaft Bracket – Front	1	O/O	41	3
C2333270	C2653270	Pressure Spring	2	O/O	41	5
C2293165	C2653165	Pressure Release Shaft	1	O/O	41	6
C2293166	C2653166	Release Spring	1	O/O	41	9
C2293163	C2443163	Solenoid Bracket	1	O/O	41	13
C2293226	C2443226	Pressure Cylinder Shaft Holder	1	O/O	41	14
AA143062	AA143562	Shoulder Screw – M4	1	O/O	41	15
C2291162	C2441162	Pulley Spacer	1	O/O	43	2
C2321170	C2441170	Cover Dial Print	1	O/O	43	7
C2321167	C2441167	Pulley Ass'y	1	O/O	43	8
C2321164	C2441164	Bracket Dial Ass'y	1	O/O	43	9
C2174426	C2444426	Shoulder Screw	2	O/O	43	11
C2293143	C2443143	Rack – Exchange Ass'y	1	O/O	43	12
AW020075	AW020141	Photointerruptor	5	O/O	43	17
C2291043	C2651043	Dial Shaft	1	O/O	43	19
C2295807	C2575807	Photosensor – GP2A25	1	O/O	43	21
C2293951	C2443951	Lower Paper Exit Sensor Bracket	1	O/O	43	22
C2293930	C2443930	Gear Holder	1	O/O	43	30
C2292631	C2442631	Limit Sensor Bracket	2	O/O	43	33
C2293195	C2443195	Gear Spacer	1	O/O	43	34
C2293976	C2443976	Lever Stopper	1	O/O	43	39
C2293150	C2653150	Job Motor Bracket	1	O/O	43	43
AW020075	AW020141	Photointerruptor	1	O/O	43	44
C2291044	C2441044	Spacer	1	O/O	43	45

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7. Paper Exit Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2294674	C2444674	Separator Cover Hinge	1	O/O	45	16
C2294676	C2654676	Separator Cover Spring	1	O/O	45	18
C2294677	C2444677	Cushion	1	O/O	45	20
C2293875	C6394115	Transport Belt Drive Shaft	1	O/O	47	12
AW020075	AW020141	Photointerruptor	2	O/O	47	18
C5934111	C2444111	Tapping Screw	2	O/O	47	19
C2293913	C2443913	Motor Bracket	1	O/O	47	22
C5934103	C6394103	Transport Belt Shaft	1	O/O	47	27
C2364004	C2363806	Vacuum Unit Ass'y	1	O/O	47	29

8. Delivery Table

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2174426	C2444426	Shoulder Screw	2	O/O	49	35
C2314409	C2614409	Support Plate	2	O/O	49	37
C2294702	C2444702	Lift Motor Gurd Plate	1	O/O	51	1
C2294671	C2444671	Sensor Bracket	1	O/O	51	5
AW020075	AW020141	Photointerruptor	1	O/O	51	6
C2294701	C2444701	Lift Motor Bracket	1	O/O	51	8
C2294733	C2654733	Arm Spring	1	O/O	51	20
C2294730	C2444730	Separator Arm Holder	1	O/O	51	22
C2294703	C2444703	Separator Slider Bracket	1	O/O	51	24

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9. Drum Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2292357	C2442357	Switch Lever Knob	1	O/O	53	6
C2362365	C2442365	Switch Lever Bracket	1	O/O	53	7
C2362360	C2442360	Connector Bracket	1	O/O	53	9
C2292377	C2442377	Magnet Catch Bracket	1	O/O	53	13
C2362353	C2442353	Front Bracket – Magnet Catch	1	O/O	53	16
C2292362	C2442362	Drum Release Grip	1	O/O	53	17
C2292385	C2442385	Grip Rail	1	O/O	53	20
C2292413	C2442413	Stepped Screw – Drum Lock	1	O/O	53	24
C2015125	C2485125	Stepped Screw – M6	2	O/O	53	29
C2292644	C2442644	Rear Drum Frame Aux	1	O/O	53	31
C2292390	C2442390	Stepped Screw	3	O/O	53	*36
C2292397	C2442397	Left Bracket	2	O/O	53	*37
C2292398	C2442398	Right Bracket	1	O/O	53	*38
C2292434	C2442434	Switch Acuator	1	O/O	55	6
C2292431	C2442431	Drum Positioning Pin	2	O/O	55	11
C2292424	C2442424	Plate Nut	1	O/O	55	13
C2362596	C2652596	Clamp Spring	1	O/O	55	19
C2292601	C2442601	Front Stepped Screw	1	O/O	55	22
C2292487	C2442487	Ink Holder Knob	1	O/O	57	7
C2292537	C2362537	Pump Motor Cover	1	O/O	57	27
AW020075	AW020141	Photointerruptor	3	O/O	57	30
C2292590	C2362547	Shift Motor Cover	1	O/O	57	43
C2292494	C2442494	Left Slide Rail	1	O/O	59	10
C2292495	C2442495	Right Slide Rail	1	O/O	59	11
AW020075	AW020141	Photointerruptor	1	O/O	59	13
C2094713	C2442530	Hose Band	2	O/O	59	19
C2292538	C2362538	Ink Tube	1	O/O	59	20
C2015125	C2485125	Stepped Screw – M6	2	O/O	61	6
C2362567	C2652567	Arm Shaft	1	O/O	61	10
C2256135	C2652315	Stepped Screw	2	O/O	61	12
C2292646	C2652646	Gear Z16	1	O/O	61	22
C2362461	C2652461	Front Side Plate	1	O/O	61	24
C2362462	C2652462	Rear Side Plate	1	O/O	61	25
C2362563	C2652563	Rear Spring	1	O/O	61	27

*Please refer to Garnet / Sap2 Parts catalog.

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10. Scanner Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
A2671814	C2441814	Hinge Bracket – Platen Cover	1	O/O	63	1
A2671813	C2441813	Scanner Frame	2	O/O	63	2
AW020086	AW020156	Photointerruptor	2	O/O	63	4
A2671743	C2441742	Bracket – Scale	1	O/O	63	5
A1931759	B3901759	Stepped Screw	5	O/O	63	7
A2671815	C2441815	Right Inner Cover	1	O/O	63	10
A2675703	C2575135	Flexible Cable	1	O/O	65	3
A2671752	C2441752	1 st Scanner Housing	1	O/O	65	5
A2501761	AW010126	Original Sensor – H=2-66	2	O/O	65	9
C2361673	C2441673	Lens Ass'y	1	O/O	65	11
C2361655	C2441655	Carriage No.1 Ass'y	1	O/O	65	13
A2671811	C2441811	Front Stay Bracket	1	O/O	67	1
A2671849	C2441849	Tension Bracket	2	O/O	67	2
A2671846	C2441846	Idle Bracket	2	O/O	67	4
A2671853	B0241841	Pulley – Front Left	2	O/O	67	5
A2671671	C2591672	Carriage – No.2 Ass'y	1	O/O	67	11
A2671854	B0241845	Pulley – Rear Left	2	O/O	67	13
A2671816	C2591816	Guide – Flexible Board	1	O/O	67	15
C2361816	C2651816	Tension Spring 8215mn	1	O/O	67	23
A2671812	C2441812	Rear Stay Bracket	1	O/O	67	24
C2361817	C2441817	Motor Bracket	1	O/O	67	25
C2361815	C2441815	Stepper Motor Base	1	O/O	67	28

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11. Plotter Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2292158	C2442158	Master Feed Roller Knob	2	O/O	69	10
C2292132	C2332132	Plotter Cover	1	O/O	69	19
C2132435	C2442435	Magnet Plate	1	O/O	69	20
C2292188	C2442188	Front Master Stay	1	O/O	69	24
C2292187	C2442187	Bracket Hinge Pin	1	O/O	69	27
AW020075	AW020141	Photointerruptor	1	O/O	71	16
C2295807	C2575807	Photosensor – GP2A25	1	O/O	71	22
C2292139	C2442139	Lower Master Cover	1	O/O	71	24
C2291994	C2641994	Plotter Slide Rail Screw	1	O/O	73	1
C2322003	C2652003	Lower Tension Roller	1	O/O	73	11
C2322098	C2442098	Base Stopper Bracket	1	O/O	73	23
C2362095	C2622095	Tension Spring – Thermal Head	2	O/O	73	24
C2292047	C2442047	Right Reverse Roller Guide	2	O/O	75	9
C2332042	C2442042	Release Guide Plate	1	O/O	75	10
C2291994	C2641994	Plotter Slide Rail Screw	1	O/O	75	27
C2302198	C2442198	Magnet Catch	1	O/O	75	31
C2292052	C2442052	Release Guide Arm	1	O/O	75	33
C2292057	C2442057	Upper Link Arm	1	O/O	75	34
C2362016	C2442016	Guide Screw	1	O/O	75	43

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12.Master Eject

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293541	C2653541	Joint Pressure Spring	1	O/O	77	3
C2293549	C2443549	Joint Gear Bracket	1	O/O	77	5
AA063163	C2653585	Connector Spring	2	O/O	77	6
AA143120	AA143569	Stepped Screw – M3x3	2	O/O	77	8
AW020075	AW020141	Photointerruptor	2	O/O	77	9
C2293564	C2443564	Eject Cam Holder	1	O/O	77	11
C2293565	C2653565	Master Eject Cam Spring	1	O/O	77	13
C2293563	C2443563	Motor Bracket	1	O/O	77	16
C2293543	C2443543	Motor Bracket	1	O/O	77	26
C2293459	C2593459	Pressure Spring	2	O/O	79	7
C2293471	C2443471	Roller Unit Knob	1	O/O	79	9
C2293451	C2653451	Lower Transport Roller	1	O/O	79	28
C2293522	C2443522	Stepped Screw	1	O/O	81	4
C2293518	C2443518	Eject Box Upper Stay	1	O/O	81	12
C2293499	C2443499	Eject Box Lower Stay	1	O/O	81	13
C2293517	C2443517	Lower Left Case	1	O/O	81	18
C2293509	C2443509	Upper Case Bracket	1	O/O	81	22
C2293508	C2653508	Release Spring	1	O/O	81	23
C2293491	C2443494	Upper Case	1	O/O	81	25
C2293401	C2653402	Master Eject Box Ass'y	1	O/O	81	27

13. Electrical Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2325618	C2445618	Upper Bracket	1	O/O	83	2
C2295622	C2445622	Motor Contorol Board Bracket	1	O/O	83	15
C2295624	C2445624	Key Counter Bracket	1	O/O	85	2
C2295626	C2445626	Upper Bracket – MPU Board	1	O/O	85	3
C2295625	C2445625	Interface Bracket	1	O/O	85	6
C2295611	C2445611	Power Supply Cord Bracket	1	O/O	85	8
C2325610	C2625610	Outlet Sheet	1	O/O	85	12
C2295613	C2445613	Power Supply Cord Cover	1	O/O	85	14
C2295619	C2445619	Lower Bracket – MPU Board	1	O/O	85	15
C2325610	C2625610	Outlet Sheet	1	O/O	85	16

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 4-Jun-07	No: M-C235-036
Modified Article: Modified to environmentally-friendly material		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☐ Part standardization ☒ Other ()			
Model Name: SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: The materials of these parts were changed to more environmentally-friendly types.

Reason:

- Ricoh's ongoing application of in-house environmental management standards.
- Parts standardization with the SA2 / SA2P.

NOTE: 1) For other changes to environmentally-friendly materials, see MB

#MC235-023 and #MC235-029.

2) Please check about difference part information between SA2 to SA2P,
See MB #MC235-011.

1. Exterior

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291264	C2441264	Safety Switch Bracket	1	O/O	3	3
C2291258	C2441258	Door Support Plate	1	O/O	3	4
C2291254	C2441254	Cushion – Front Door	2	O/O	3	5
C2291259	C2441259	Door Catch Bracket	1	O/O	3	9
C2391270	*C2591270	Rear Right Cover	1	O/O	3	19
C2392766	C2442762	Upper Shield Plate	1	O/O	5	14
C2292764	C2442764	Lower Shield Plate A	1	O/O	5	15
C2292765	C2442765	Lower Shield Plate B	1	O/O	5	16
C2292763	C2442763	Lower Shield Plate	1	O/O	5	17

*SA2P only

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-036
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2. Frame Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291070	C2441070	Grip Plate – Long	1	O/O	9	3
C2291072	C2441072	Grip Guide Bracket	1	O/O	9	4
C2291073	C2441073	Right Grip Cover – Inner Rear	1	O/O	9	5
C2291071	C2441071	Grip Plate – Short	1	O/O	9	6
C2293973	C2443973	Paper Exit Pawl Bracket	1	O/O	9	10
C2293968	C2443968	Paper Exit Pawl Lever	1	O/O	9	12
C2293596	C2443596	Lower Guide Stay – Transfer Roller	1	O/O	9	14
C2291078	C2441078	Harness Cover	1	O/O	9	15
C2361861	C2441861	Left Guide Plate	1	O/O	9	25
C2361862	C2441862	Hinge Spacer	1	O/O	9	26
C2291272	C2441272	Left Cover Bracket	1	O/O	11	2
C2295644	C2445644	Safety Switch Bracket	1	O/O	11	5
AG071010	AG071012	Magnet Catch	1	O/O	11	6
C2295645	C2445645	Safety Switch Lever	1	O/O	11	8
C2362620	C2442620	Drum Left Bracket	1	O/O	11	10
C2332616	C2652616	Right Drum Lock Pin	1	O/O	11	12
C2098288	C2575856	Table Down Switch	1	O/O	11	14
C2292279	C2442279	Tension Bracket	1	O/O	11	16
C2295614	C2445614	Total Counter Bracket	1	O/O	11	17
C2295812	C2575875	Print Counter	1	O/O	11	18
C2325627	C2445627	Bracket Circuit Board LED	1	O/O	11	21

Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-036
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3. Drive Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293185	C2443185	Gear Adjuster	1	O/O	13	1
C2293184	C2443184	Stopper Flange	1	O/O	13	4
C2291101	C2651101	Drum Drive Support Plate	1	O/O	13	10
C2291028	C2651028	Pressure Cylinder Drive Shaft	1	O/O	13	15
C2291145	C2441145	Belt Tension Roller	1	O/O	13	17
C2291048	C2441048	Tension Bracket	1	O/O	13	18
C2291067	C2441067	Tension Holder	1	O/O	13	19
C2015125	C2485125	Stepped Screw – M6	1	O/O	13	21
C2291036	C2441036	Drive Bracket	1	O/O	13	22
C2331036	C2571036	Torque Limiter Ass'y	1	O/O	13	26
C2291040	C2441040	Bearing Holder	1	O/O	13	27
C2291066	C2441066	Main Motor Base	1	O/O	13	29
C2291048	C2441048	Tension Bracket	1	O/O	15	4
C2015125	C2485125	Stepped Screw – M6	1	O/O	15	6
C2291143	C2651143	Tension Spring	1	O/O	15	7
C2291124	C2441124	Sector Gear – Image Shift	1	O/O	15	15
AW020075	AW020141	Photointerruptor	1	O/O	15	17
C2291145	C2441145	Belt Tension Roller	1	O/O	15	27
C2291093	C2441093	Timing Pulley Bracket	1	O/O	15	28
C2294001	C2444001	Eject Clamper Open Arm	1	O/O	17	1
C2294051	C2444051	Joint Link	1	O/O	17	3
C2293522	C2443522	Stepped Screw	1	O/O	17	5
C2394052	C2444052	Sector Gear	1	O/O	17	6
C2294054	C2444054	Sector Arm	1	O/O	17	8
AW020075	AW020141	Photointerruptor	1	O/O	17	9
C2292931	C2442931	Pulley Cover	1	O/O	17	13
C2292930	C2442930	Guide Plate	1	O/O	17	14
C2292927	C2572927	Pressure Release Gear	1	O/O	17	15
C2365731	C2445731	Paper Feed Motor Bracket	1	O/O	17	20
C2362998	C2652998	Tension Spring 18N	1	O/O	17	23

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-036
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4. Paper Feed Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2291291	C2441291	Support Plate – Right Lower	1	O/O	19	1
C2292828	C2652828	Lift Up Spring – Paper Tray	1	O/O	19	2
C2292769	C2392769	Side Fence Pad Ass'y	1	O/O	19	13
C2292771	C2392771	Side Fence Pad	1	O/O	19	14
C2442744	C2442743	Paper Feed Unit Ass'y	1	O/O	19	40
C2292826	C2442826	Spring Anchor – Right	1	O/O	21	7
C2292806	C2442806	Paper Tray	1	O/O	21	9
C2295814	C2595814	DC Motor – 24V	1	O/O	21	11
C2295807	C2575807	Photosensor – GP2A25	1	O/O	21	13
51511009	AA143569	Shoulder Screw – M4	1	O/O	21	16
C2292776	C2442786	Left Stay – Paper Table	1	O/O	21	18
C2292757	C2442757	Paper Table Lower Stay	1	O/O	21	19
C2292823	C2652823	Table Lift Shaft	1	O/O	21	20
C2292817	C2442817	Pressure Release Arm – Left	1	O/O	21	22
C2292816	C2442816	Pressure Release Arm – Right	1	O/O	21	23
C2292815	C2442815	Left Adjusting Plate	1	O/O	21	24
C2292814	C2442814	Right Adjusting Plate	1	O/O	21	25
AW020075	AW020141	Photointerruptor	1	O/O	21	26
C2292810	C2442810	Paper Set Sensor Bracket	1	O/O	21	27
C2292775	C2442785	Right Stay – Paper Table	1	O/O	21	28
C2292807	C2442807	Paper Table – Fixed	1	O/O	21	29
C2292845	C2442845	Paper Feed Guide Plate	1	O/O	23	3
C2292860	C2442860	Spring Bracket	1	O/O	23	4
54195714	C2442455	Stepped Screw – M4	1	O/O	23	5
C2292861	C2652861	Paper Pressure Spring	1	O/O	23	10
C2292866	C2442866	Height Sensor Bracket	1	O/O	23	21
AW020075	AW020141	Photointerruptor	1	O/O	23	23
C2292834	C2572835	Balancer Arm	1	O/O	23	24
C2362265	C2442265	Sensor Bracket	1	O/O	25	2
C2392267	C2592267	Paper Tray Holder	1	O/O	25	7
AA143120	AA143569	Stepped Screw – M3x3	1	O/O	25	8
C2362875	C2442875	Motor Bracket	1	O/O	25	12
C2365157	C2575153	Paper Feed Control Board	1	O/O	25	13
C2362867	C2652867	Compression Spring	1	O/O	25	17
C2352832	C2442832	Drum Stay – Paper Feed Ass'y	1	O/O	25	19
C2362871	C2442871	Motor Bracket	1	O/O	25	20
54195714	C2442455	Stepped Screw – M4	2	O/O	25	22
C2362855	C2442855	Lower Pressure Plate	1	O/O	25	23
C2362858	C2652858	Compression Spring	1	O/O	25	24
C2362847	C2442848	Upper Pressure Plate	1	O/O	25	28
C2362840	C2442840	Guide Rail Base	1	O/O	25	30

C2292633	C2442633	Stepped Screw	2	O/O	25	34
AW020075	AW020141	Photointerruptor	2	O/O	25	37
C2362879	C2442879	Sensor Bracket	1	O/O	25	38
C2362850	C2572899	Magnetic	1	O/O	25	41
C2352898	C2442880	Cover – Separation Sub – Unit	1	O/O	25	42
C2362845	C2572845	Upper Pressure Plate Ass'y	1	O/O	25	44
C2002266	C2442266	Bearing Holder	2	O/O	27	1
C2292921	C2442921	Registration Sensor Bracket	1	O/O	27	14
C2295807	C2575807	Photosensor – GP2A25	2	O/O	27	16
C2292919	C2442919	Guide Plate Spacer	2	O/O	27	19
C2292923	C2442923	Left Bracket – Guide Plate	1	O/O	27	21
C2292906	C2652906	Lower Registration Roller	1	O/O	27	22
C2292922	C2442922	Right Bracket – Guide Plate	1	O/O	27	23
C2175126	C2445126	Cam Follower Plate	1	O/O	27	24

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

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5. Pressure Cylinder

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293096	C2443096	Paper Feed Actuator	2	O/O	29	2
C2293094	C2443094	Encoder Holder	1	O/O	29	4
C2293093	C2443093	Encoder	1	O/O	29	5
C2363261	C2443261	Arm Ass'y	1	O/O	29	10
C2363251	C2653251	Exit Pawl Shaft	1	O/O	29	14
C2363252	C2443252	Exit Pawl Drive Guide	1	O/O	29	16
C2293206	C2443206	Shaft Stopper	1	O/O	31	1
C2293161	C2443161	Pressure Shaft Bracket – Front	1	O/O	31	3
C2333270	C2653270	Pressure Spring	2	O/O	31	5
C2293165	C2653165	Pressure Release Shaft	1	O/O	31	6
C2293166	C2653166	Release Spring	1	O/O	31	9
C2293163	C2443163	Solenoid Bracket	1	O/O	31	13
C2293226	C2443226	Pressure Cylinder Shaft Holder	1	O/O	31	14
AA143062	AA143562	Shoulder Screw	1	O/O	31	15
C2291162	C2441162	Pulley Spacer	1	O/O	33	2
C2321170	C2441170	Cover Dial Print	1	O/O	33	7
C2321167	C2441167	Pulley Ass'y	1	O/O	33	8
C2321164	C2441164	Bracket Dial Ass'y	1	O/O	33	9
C2174426	C2444426	Shoulder Screw	2	O/O	33	11
C2293143	C2443143	Rack – Exchange Ass'y	1	O/O	33	12
AW020075	AW020141	Photointerruptor	4	O/O	33	17
C2291043	C2651043	Dial Shaft	1	O/O	33	19
C2295807	C2575807	Photosensor – GP2A25	1	O/O	33	21
C2293951	C2443951	Lower Paper Exit Sensor Bracket	1	O/O	33	22
C2293930	C2443930	Gear Holder	1	O/O	33	30
C2292631	C2442631	Linit Sensor Bracket	2	O/O	33	33
C2293195	C2443195	Gear Spacer	1	O/O	33	34
C2293976	C2443976	Lever Stopper	1	O/O	33	39
C2293150	C2653150	Job Motor Bracket	1	O/O	33	43
AW020075	AW020141	Photointerruptor	1	O/O	33	44
C2291044	C2441044	Spacer	1	O/O	33	45
C2292630	C2592630	Drum H.P Sensor Ass'y	2	O/O	33	47

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-036
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6. Paper Exit Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2393303	C2443303	Exit Cover	1	O/O	35	4
C2393857	C2443857	Left Support Cover	1	O/O	35	6
C2393858	C2443858	Right Support Cover	1	O/O	35	14
C2294674	C2444674	Separator Cover Hinge	1	O/O	35	16
C2294676	C2654676	Separator Cover Spring	1	O/O	35	18
C2294677	C2444677	Cushion	1	O/O	35	20
AW020075	AW020141	Photointerruptor	2	O/O	37	18
C5934111	C2444111	Tapping Screw	2	O/O	37	19
C2293913	C2443913	Motor Bracket	1	O/O	37	22
C5934103	C6394103	Transport Belt Shaft	1	O/O	37	27
C2364004	C2363806	Vacuum Unit Ass'y	1	O/O	37	29
C2294702	C2444702	Lift Motor Gurd Plate	1	O/O	39	1
C2294671	C2444671	Sensor Bracket	1	O/O	39	5
AW020075	AW020141	Photointerruptor	1	O/O	39	6
C2294701	C2444701	Lift Motor Bracket	1	O/O	39	8
C2294733	C2654733	Arm Spring	1	O/O	39	20
C2294730	C2444730	Separator Arm Holder	1	O/O	39	22
C2294703	C2444703	Separator Slider Bracket	1	O/O	39	24
C2174426	C2444426	Shoulder Screw	2	O/O	41	35
C6044453	C6284448	Knob Screw	2	O/O	41	36
C2314409	C2614409	Support Plate	2	O/O	41	37
C6044203	C6044204	End Fence Ass'y	1	O/O	41	38

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Date: 4-Jun-07

No: M-C235-036

7. Drum Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2193950	C2442453	Stepper Screw	1	O/O	43	2
C2292357	C2442357	Switch Lever Knob	1	O/O	43	6
C2362365	C2442365	Switch Lever Bracket	1	O/O	43	7
C2362360	C2442360	Connector Bracket	1	O/O	43	9
C2292377	C2442377	Magnet Catch Bracket	1	O/O	43	13
C2362353	C2442353	Front Bracket – Magnet Catch	1	O/O	43	16
C2292362	C2442362	Drum Release Grip	1	O/O	43	17
C2292385	C2442385	Grip Rail	1	O/O	43	20
C2292413	C2442413	Stepped Screw – Drum Lock	1	O/O	43	24
C2015125	C2445125	Stepped Screw – M6	2	O/O	43	29
C2292644	C2442644	Rear Drum Frame Aux	1	O/O	43	31
C2292390	C2442390	Stepped Screw	3	O/O	43	36
C2292397	C2442397	Left Bracket	2	O/O	43	37
C2292398	C2442398	Right Bracket	1	O/O	43	38
C2292434	C2442434	Switch Acuator	1	O/O	45	6
C2292431	C2442431	Drum Positioning Pin	2	O/O	45	11
C2292424	C2442424	Plate Nut	1	O/O	45	13
53501754	C2442450	Stud – M5x4	1	O/O	45	18
C2362596	C2652596	Clamp Spring	1	O/O	45	19
C2292601	C2442601	Front Stepped Screw	1	O/O	45	22
C2292487	C2442487	Ink Holder Knob	1	O/O	47	7
AW020075	AW020141	Photointerruptor	3	O/O	47	30
C2292590	C2362547	Shift Motor Cover	1	O/O	47	43
C2292494	C2442494	Left Slide Rail	1	O/O	49	10
C2292495	C2442495	Right Slide Rail	1	O/O	49	11
AW020075	AW020141	Photointerruptor	1	O/O	49	13
C2094713	C2442530	Hose Band	2	O/O	49	19
C2015125	C2445125	Stepped Screw – M6	2	O/O	51	6
C2362567	C2652567	Arm Shaft	1	O/O	51	10
C2256135	C2652315	Stepped Screw	2	O/O	51	12
C2292646	C2652646	Gear Z16	1	O/O	51	22
C2362461	C2652461	Front Side Plate	1	O/O	51	24
C2362462	C2652462	Rear Side Plate	1	O/O	51	25
C2362563	C2652563	Rear Spring	1	O/O	51	27

*SA2P only

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 4-Jun-07

No: M-C235-036

8. Scanner Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
A2671814	C2441814	Hinge Bracket – Platen Cover	1	O/O	53	1
A2671813	C2441813	Scanner Frame	2	O/O	53	2
AW020086	AW020156	Photointerruptor	2	O/O	53	4
A2671743	C2441742	Bracket – Scale	1	O/O	53	5
A1931759	B3901759	Stepped Screw	5	O/O	53	7
A2671815	C2441815	Right Inner Cover	1	O/O	53	11
A2675703	C2575135	Flexible Cable	1	O/O	55	3
A2671752	C2441752	1 st Scanner Housing	1	O/O	55	5
A2501761	AW010126	Original Sensor – H=2-66	2	O/O	55	9
C2391673	C2441673	Lens Ass'y	1	O/O	55	11
C2361655	C2441655	Carriage No.1 Ass'y	1	O/O	55	13
A2671811	C2441811	Front Stay Bracket	1	O/O	57	1
A2671849	C2441849	Tension Bracket	2	O/O	57	2
A1931783	AA060980	Tension Spring	2	O/O	57	3
A2671846	C2641846	Idle Bracket	2	O/O	57	4
A2671853	B1801824	Pulley – Front Left	2	O/O	57	5
A2671671	C2591672	Carriage – No.2 Ass'y	1	O/O	57	11
A2671854	B1801826	Pulley – Rear Left	2	O/O	57	13
A2671816	C2591816	Guide – Flexible Board	1	O/O	57	15
A2671825	C2641825	Scanner Drive Shaft	1	O/O	57	19
C2361816	C2651816	Tension Spring 8215mn	1	O/O	57	23
A2671812	C2441812	Rear Stay Bracket	1	O/O	57	24
C2361817	C2441817	Motor Bracket	1	O/O	57	25
C2361815	C2441815	Stepper Motor Base	1	O/O	57	28

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 4-Jun-07	No: M-C235-036
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9. Plotter Unit

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2292158	C2442158	Master Feed Roller Knob	2	O/O	59	10
C2392132	*C2652132	Plotter Cover	1	O/O	59	19
C2132435	C2442435	Magnet Plate	1	O/O	59	20
C2292188	C2442188	Front Master Stay	1	O/O	59	24
C2292187	C2442187	Bracket Hinge Pin	1	O/O	59	27
AW020075	AW020141	Photointerruptor	1	O/O	61	16
C2295807	C2575807	Photosensor – GP2A25	1	O/O	61	22
C2292139	C2442139	Lower Master Cover	1	O/O	61	24
C2391994	C2441994	Plotter Slide Rail Screw	1	O/O	63	1
C2322003	C2652003	Lower Tension Roller	1	O/O	63	11
C2322098	C2442098	Base Stopper Bracket	1	O/O	63	23
C2392067	C2442067	Duct Cover Magnet	1	O/O	65	3
C2292047	C2442047	Right Reverse Roller Guide	2	O/O	65	9
C2332042	C2442042	Release Guide Plate	1	O/O	65	10
C2292477	C2572485	Duct Sensor Sheet	1	O/O	65	20
C2391994	C2441994	Plotter Slide Rail Screw	1	O/O	65	27
C2302198	C2442198	Magnet Catch	1	O/O	65	31
C2292052	C2442052	Release Guide Arm	1	O/O	65	33
C2292057	C2442057	Upper Link Arm	1	O/O	65	34
C2362016	C2442016	Guide Screw	1	O/O	65	43

*SA2P Only

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 4-Jun-07

No: M-C235-036

10.Master Eject

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2293541	C2653541	Joint Pressure Spring	1	O/O	67	3
C2293549	C2443549	Joint Gear Bracket	1	O/O	67	5
AA063163	C2653585	Connector Spring	2	O/O	67	6
AA143120	AA143569	Stepped Screw – M3x3	2	O/O	67	8
AW020075	AW020141	Photointerruptor	2	O/O	67	9
C2293564	C2443564	Eject Cam Holder	1	O/O	67	11
C2293565	C2653565	Master Eject Cam Spring	1	O/O	67	13
C2293563	C2443563	Motor Bracket	1	O/O	67	16
C2293543	C2443543	Motor Bracket	1	O/O	67	26
C2293459	C2593459	Pressure Spring	2	O/O	69	7
C2293471	C2443471	Roller Unit Knob	1	O/O	69	9
C2293451	C2653451	Lower Transport Roller	1	O/O	69	28
C2293522	C2443522	Stepped Screw	1	O/O	71	4
C2293518	C2443518	Eject Box Upper Stay	1	O/O	71	12
C2293499	C2443499	Eject Box Lower Stay	1	O/O	71	13
C2293517	C2443517	Lower Left Case	1	O/O	71	18
C2293509	C2443509	Upper Case Bracket	1	O/O	71	22
C2293508	C2653508	Release Spring	1	O/O	71	23
C2293491	C2443494	Upper Case	1	O/O	71	25
C2393401	C2653402	Master Eject Box Ass'y	1	O/O	71	27

11. Electrical Section

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index
C2325618	C2445618	Upper Bracket	1	O/O	73	2
C2295622	C2445622	Motor Control Board Bracket	1	O/O	73	15
C2295624	C2445624	Key Counter Bracket	1	O/O	75	2
C2365626	C2445626	Upper Bracket – MPU Board	1	O/O	75	3
C6115510	C6115512	Double Feed Sensor Board	1	O/O	75	5
C2295625	C2445625	Interface Bracket	1	O/O	75	6
C2295611	C2445611	Power Supply Cord Bracket	1	O/O	75	8
C2325610	C2625610	Outlet Sheet	1	O/O	75	12
C2295613	C2445613	Power Supply Cord Cover	1	O/O	75	14
C2295619	C2445619	Lower Bracket – MPU Board	1	O/O	75	15
C2291073	C2441073	Right Grip Cover – Inner Rear	1	O/O	75	19

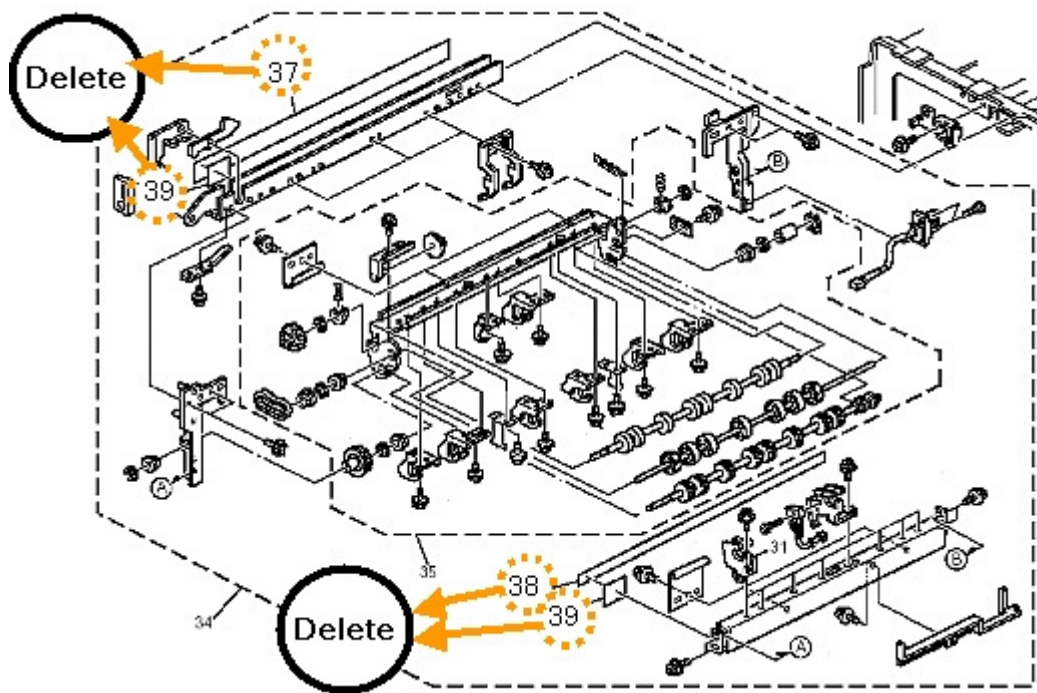
Model: PRIPORT SAPPHIRE/GARNET/SA2/SA2P		Date: 3-Jul-07	No: M-C235-037
Modified Article: Delete mylar on master eject roller stay		Prepared by: M. Kumagai	
From: Priport Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name:			
SAPPHIRE:	Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630		
GARNET:	Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150		
SA2:	Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180		
SA2P (China only):	Ricoh JP8510P, Gestetner 5500P		

Change:

- 1) The Mylar shown below was deleted.
- 2) Small projections were added to the upper and lower master eject roller stays.

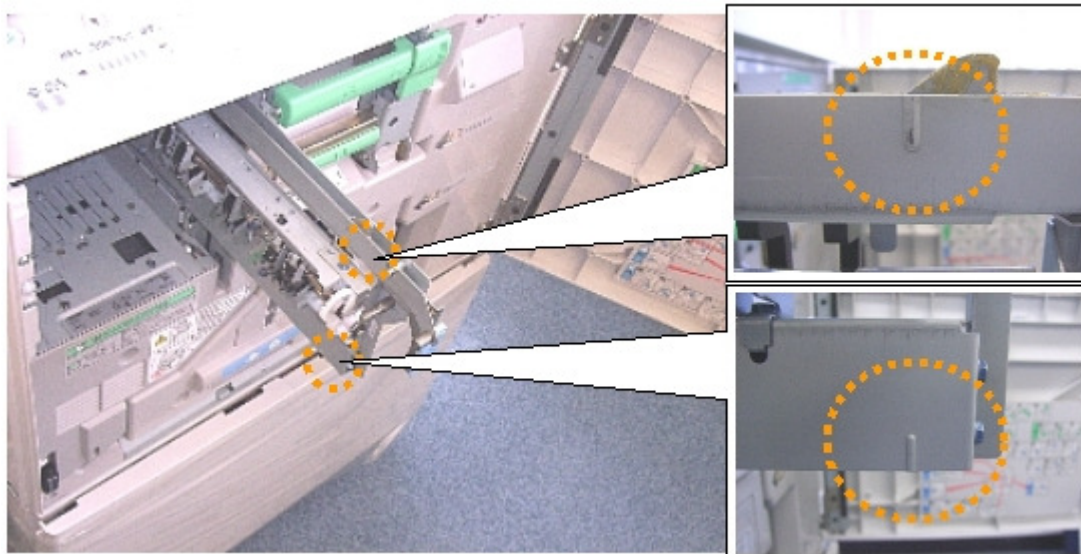
Reason: To facilitate assembly.

38.Master Eject 2 (C262/C265)



Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 3-Jul-07

No: M-C235-037


Old #	New #	Description	Qty	Int	Page	Index
C2363485	C2593485	Upper Slide Rail	1	X/X as a set	69	12
C2293464	C2593464	Lower Stay	1	X/X as a set	69	32

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	-
Ricoh JP8000	120/60	USA, Canada	C235-17	-
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	-
Ricoh JP8000	230/50	Europe, etc.	C235-27	-
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	-
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	-
Ricoh JP5500	230/50	Europe, etc.	C239-27	-
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	-
Standard SD650	120/60	USA, Canada	C244-11	-
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	-~
Ricoh JP8500	230/50	Europe, etc.	C244-27	-
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	-
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4361000001~

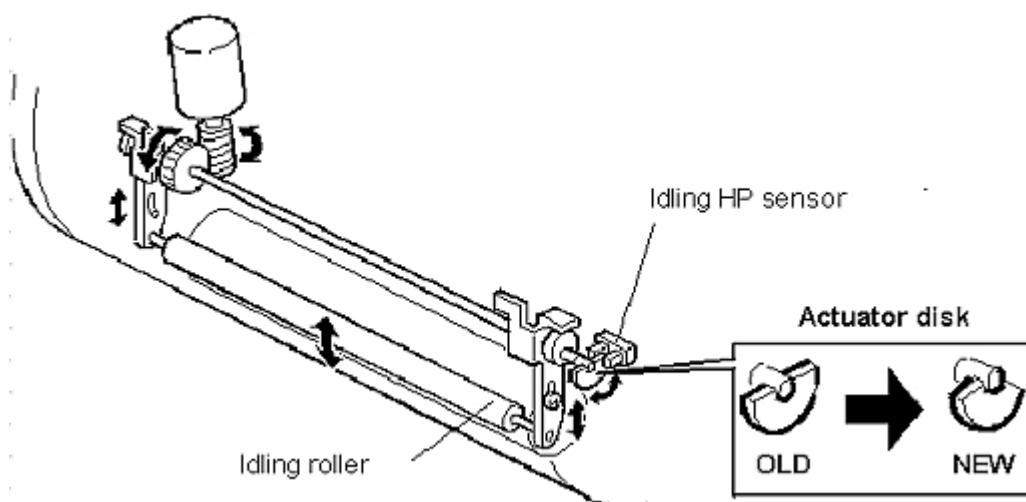
Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 3-Jul-07	No: M-C235-038
Modified Article: Change shapes of actuator disk for ink leakage.		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150			

This MB is for Garnet (C239) only. Refer to RTB #RC235002 for details.

Change: The shape of the actuator disk for the idling HP sensor was changed.

Reason: To further ensure that ink does not leak or stick to the inside of the drum.

Old #	New #	Description	Qty	Int	Page	Index
C2292550	C2392550	Sensor Actuator	1	X/O	51	7
C2392324	C2392325	Ink supply roller Ass'y	1	X/O	51	34



CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD450	120/60	USA, Canada	C239-11	-
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	-
Ricoh JP5500	230/50	Europe, etc.	C239-27	-
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	-

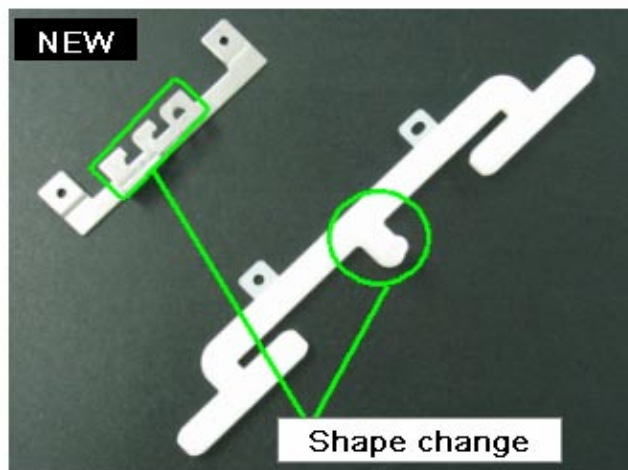
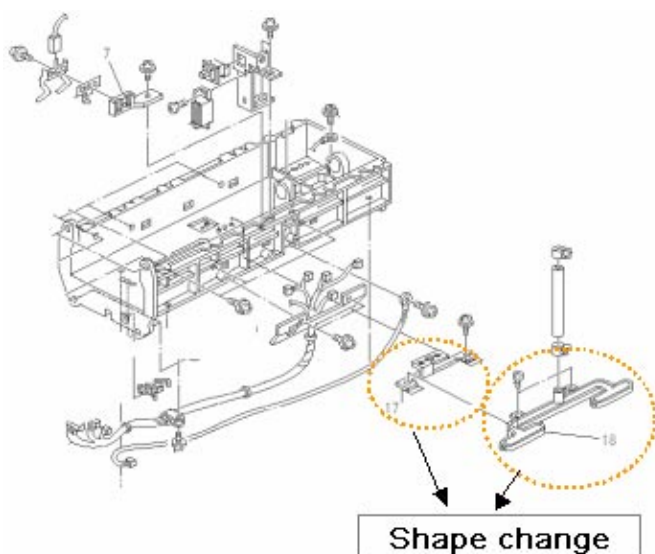
Model: PRIORT SAPHIRE/GARNET/SA2/SA2P		Date: 04-Sep-07	No: M-C235-039
Modified Article: Ink distributor		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☒ Part standardization ☐ Other ()			
Model Name: SAPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

See RTB RC235003 for more details.

Change: The shapes of the parts were changed.

Reason: Parts standardization with the Emerald/Topaz.

Note: This will reduce ink buildup on the ink detection pin.



Old #	New #	Description	Qty	Int	Page	Index
C2292535	C2572535	Ink Distributor	1	O/X	49/59	18
C2292534	C2572534	Distributor Bracket	1	As a set		17

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 04-Sep-07	No: M-C235-039
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CUT IN SERIAL NUMBERS

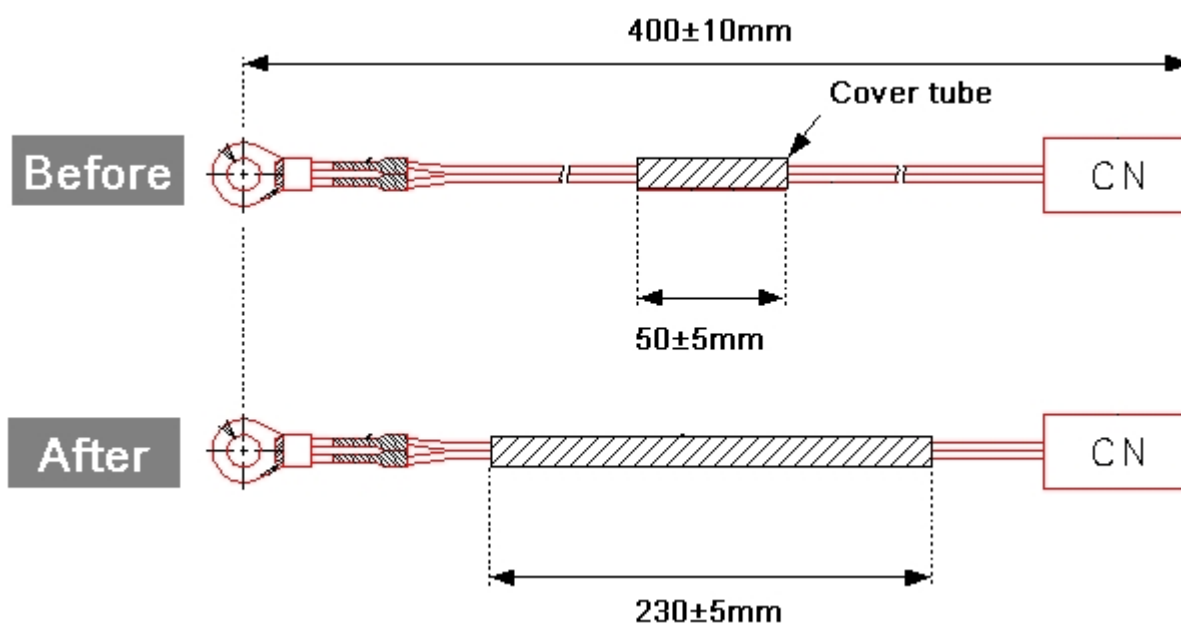
Model Name	V/Hz	Destination	Code	Serial Number
Standard SD450	120/60	USA, Canada	C239-11	Discontinued
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	Discontinued
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	Discontinued

Model: PRIORT SAPHIRE/GARNET/SA2/SA2P		Date: 04-Sep-07	No: M-C235-040
Modified Article: Drum thermistor		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☐ To improve reliability () ☒ Part standardization ☐ Other ()		
Model Name: SAPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Change: The length of the cover tube for the thermistor was increased from 50mm to 230mm.

Reason: Parts standardization with the Emerald/Topaz (C262/C265).

Note: See RTB #RC262013 for more details.

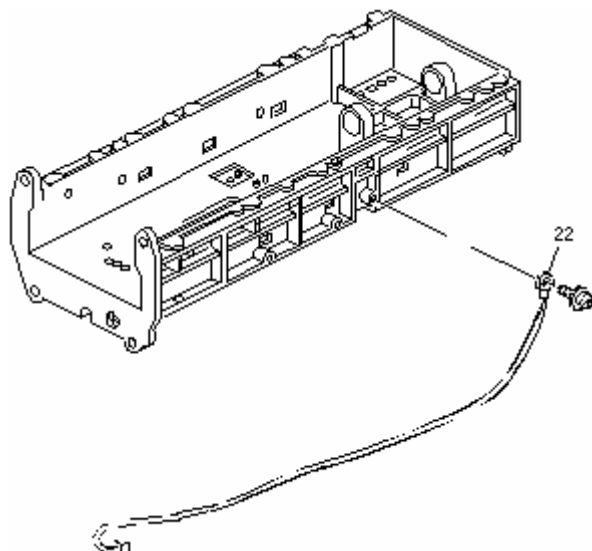


Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

Date: 04-Sep-07

No: M-C235-040

Illustration



SAPPHIRE parts catalog

Old #	New #	Description	Qty	Int	Page	Index
AW100022	C2575865	Optics Thermistor	1	O/X	59	22

GARNET/SAP2/SAP2P parts catalog

Old #	New #	Description	Qty	Int	Page	Index
AW100022	C2575865	Optics Thermistor	1	O/X	49	22

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	Discontinued
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	Discontinued
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	F4361100001~

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 7-Nov-07	No: M-C235-041
Modified Article: Actuator disk and cam		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

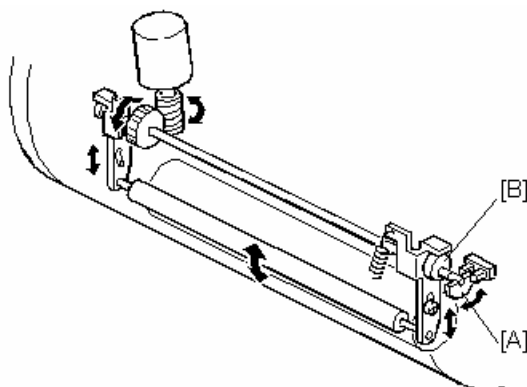
This MB is for SAPPHIRE/GARNET/SA2/SA2P only .See RTB #RC235004 for more details.

Change:

- 1) The shapes of the cam [B] (C239 only) and actuator disk [A] were changed to ensure that the screw stays more securely in place.
- 2) The threaded part of the screw was treated with a coating that locks the screw in place.

Reason: To ensure that the screw stays securely in place.

Note: When the screw gets loose, this can cause a false SC05-60 detection.

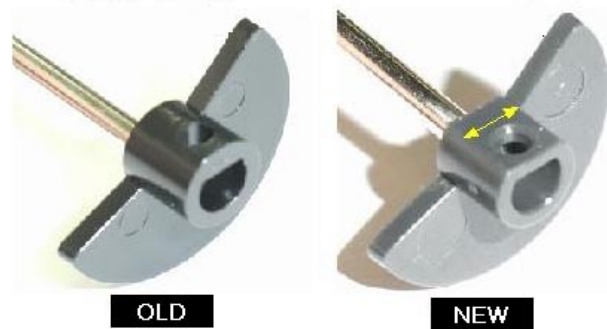


Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P

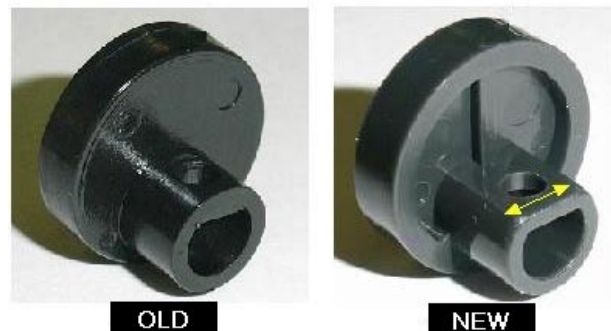
Date: 7-Nov-07

No: M-C235-041

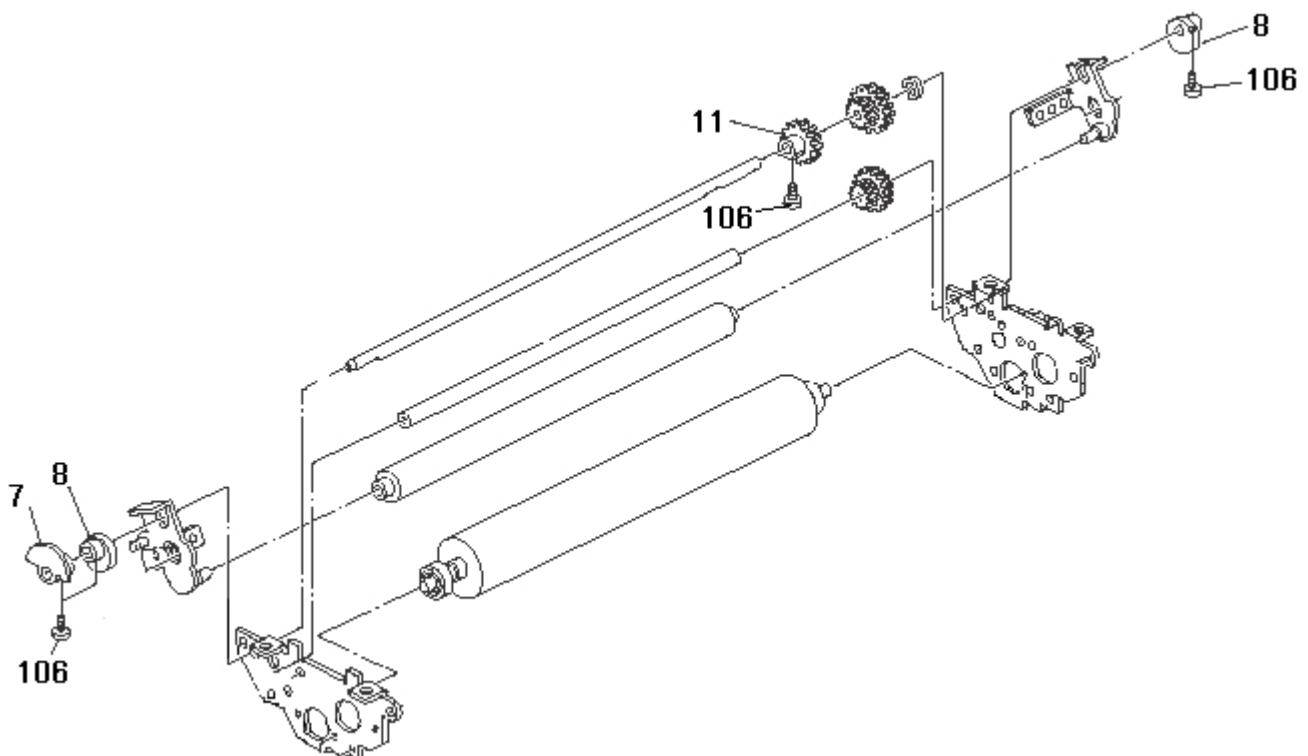
Actuator disk



Cam (C239 only)



Screws



- NOTE:**
- 1) The index number 11 is already changed to a flat type from first production.
 - 2) The cam (index number 8) on SAPPHIRE/SA2/SA2P are also changed to flat from halfway. So refer to MB# MC235007 and change to new parts if the machine contains an old part.

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P	Date: 7-Nov-07	No: M-C235-041
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Sapphire Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292550	C2622550	Sensor Actuator	1	X/O	61	7
03125050Z	C2622549	Phillips Pan Head Screw – M2.5x5	4	as a set	61	106

SA2/SA2P Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2292550	C2622550	Sensor Actuator	1	X/O	51	7
03125050Z	C2622549	Phillips Pan Head Screw – M2.5x5	4	as a set	51	106

Garnet Parts Catalog

Old #	New #	Description	Qty	Int	Page	Index
C2392550	C2392551	Sensor Actuator	1	X/O	51	7
C2292557	C2392555	Ink Supply Roller Arm	2	as a set	51	8
03125050Z	C2622549	Phillips Pan Head Screw – M2.5x5	4		51	106

CUT IN SERIAL NUMBERS

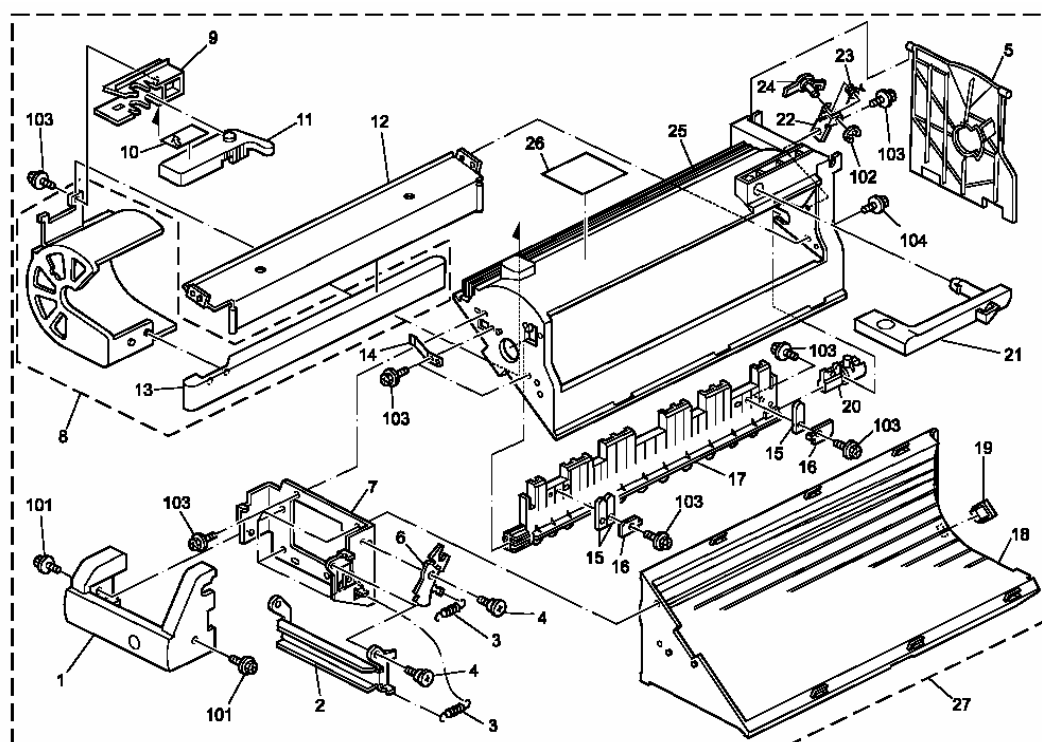
Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	
Ricoh JP8000	230/50	Europe, etc.	C235-27	
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	
Standard SD450	120/60	USA, Canada	C239-11	Discontinued
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	
Ricoh JP5500	230/50	Europe, etc.	C239-27	
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	
Standard SD650	120/60	USA, Canada	C244-11	Discontinued
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	
Ricoh JP8500	230/50	Europe, etc.	C244-27	
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	Discontinued

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 29-May-08	No: M-C235-042
Modified Article: Master Eject Box Improve Reliability		Prepared by:	
From: Priort Service Planning Section		K. Yamamoto	
Classification: ☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()			
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

See RTB #RC229029 for more details.

Change: 1.The shape of the opening in the master eject box door [5] was changed
 2.The shapes of the component parts of the Master Eject Box were changed (the measurement specifications were made stricter).

Reason: To ensure that the edge of the opening does not touch the joint area during the master eject process.



Old #	New #	Description	Qty	Int	Page	Index
C2293510	C2443510	DOOR:EXHAUST:CASE:ASS'Y	1	X/O	81	5
C2653402	C2653407	Case:Master Ejection:Ass'y	1	X/O	81	27

CUT IN SERIAL NUMBERS

Discontinued

Model: PRIORT SAPPHIRE/GARNET/SA2/SA2P		Date: 8-Aug-08	No: M-C235-043
Modified Article: Junction harness before thermal head		Prepared by: M. Kumagai	
From: Priort Service Planning Section			
Classification:	☐ Parts catalog correction ☐ Vendor change ☐ To meet standards ☐ To facilitate assembly ☒ To improve reliability () ☐ Part standardization ☐ Other ()		
Model Name: SAPPHIRE: Ricoh JP8000, Gestetner 5490, RexRotary 1395, nashuatec CP490, Savin 3450DNP, Standard SD630 GARNET: Ricoh JP5500, Gestetner 5450+/5455, RexRotary1560+, nashuatec CP450+, Savin 3360DNP, Standard SD450, Lanier LDD150 SA2: Ricoh JP8500, Gestetner 5490+/5499, RexRotary1395+, nashuatec CP490+, Savin 3460DNP, Standard SD650, Lanier LDD180 SA2P (China only): Ricoh JP8510P, Gestetner 5500P			

Note: This RTB is for the SA2 and SA2P only.

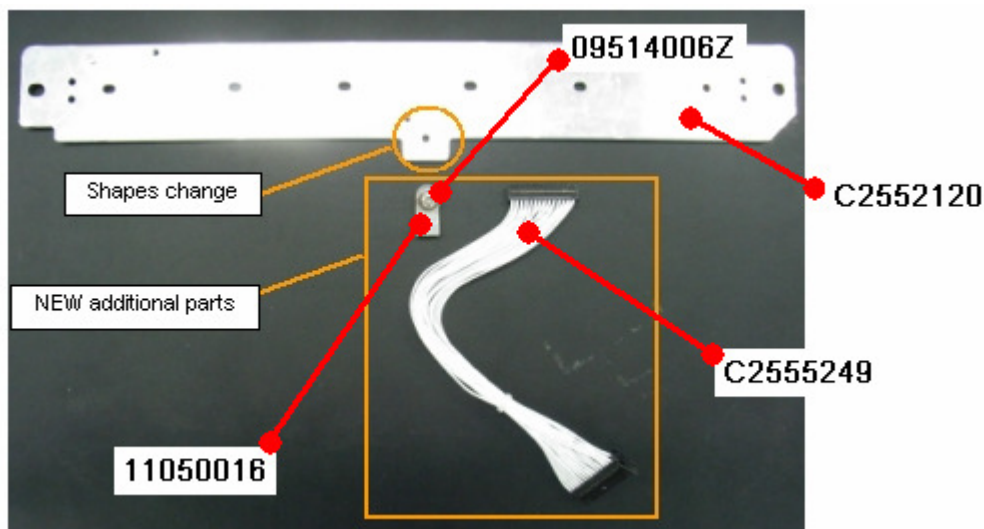
Old #	New #	Description	Qty	Int	Page	Index
C2362120	C2552120	Thermal head spacer	1	X/O As a set	73	22
	C2555249	Harness plotter connecting:Ass'y	1			
	11050016	Nylon clamp – 4N	1			
	09514006Z	Philips screw with flat washer – M4	1			

Change:

- 1) The junction harness and clamber were added between the thermal head and existing harness.
- 2) The shape of the thermal head base bracket (thermal head spacer) was changed.

Reason: To ensure that low image density/white bands (73mm wide area) do not occur.

Note: See **RTB RC229-030** for the attachment procedure.

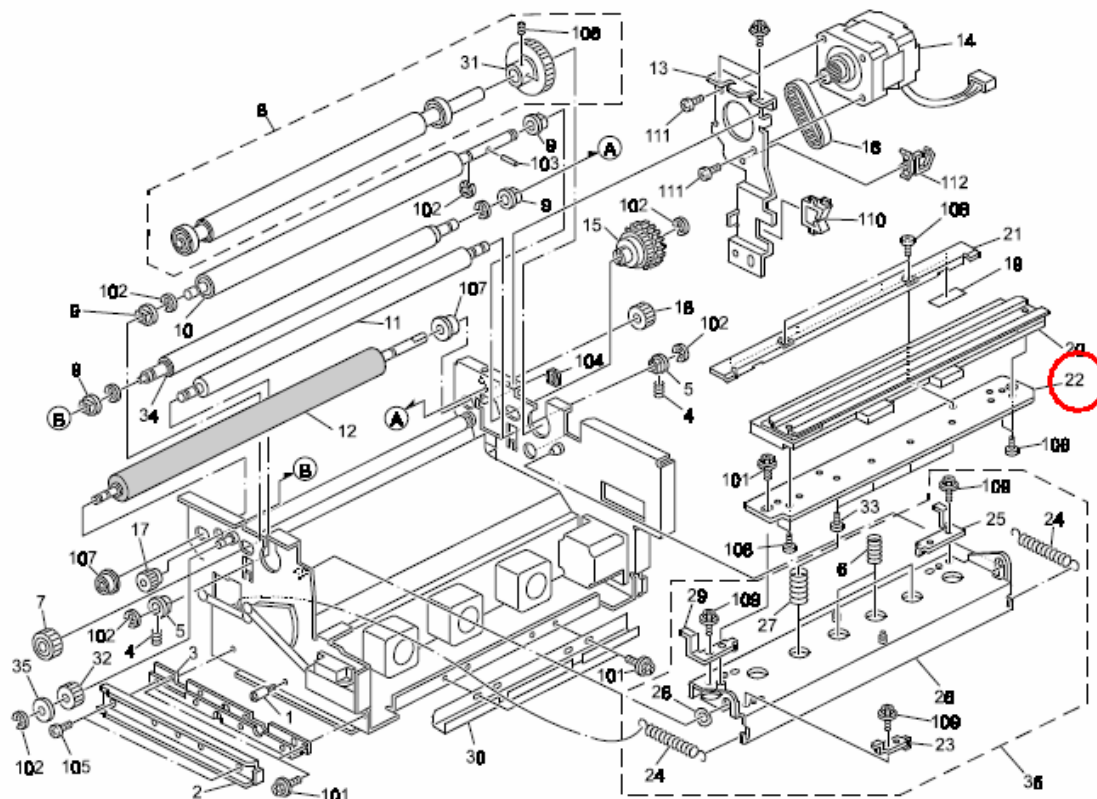


Model: PRIORT SAPHIRE/GARNET/SA2/SA2P

Date: 8-Aug-08

No: M-C235-043

32. Plotter Unit 3 (C235)



CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD630	120/60	USA, Canada	C235-11	Discontinued
Ricoh JP8000	120/60	USA, Canada	C235-17	Discontinued
Ges 5490, Rex 1395, Nsa CP490	230/50	Europe, etc.	C235-22	Discontinued
Ricoh JP8000	230/50	Europe, etc.	C235-27	Discontinued
Ges 5490, Savin 3450DNP	120/60	USA, Canada	C235-51	Discontinued
Standard SD450	120/60	USA, Canada	C239-11	Discontinued
Ges 5450+, Rex 1560+, Nsa CP450+	230/50	Europe, etc.	C239-22	Discontinued
Ricoh JP5500	230/50	Europe, etc.	C239-27	Discontinued
Ricoh JP5500, Ges 5455, Savin 3360DNP, Lanier LDD150	120/60	USA, Canada	C239-52	Discontinued
Standard SD650	120/60	USA, Canada	C244-11	Discontinued
Ges 5490+, Rex 1395+, Nsa CP490+	230/50	Europe, etc.	C244-22	Discontinued
Ricoh JP8500	230/50	Europe, etc.	C244-27	Discontinued
Ricoh JP8500, Ges 5499, Savin 3460DNP, Lanier LDD180	120/60	USA, Canada	C244-52	Discontinued
Ricoh JP8510P, Ges 5500P	230/50	China	C255-33	Discontinued

Model: PRIPORT SAPPHIRE/ GARNET/ SA2/ SA2P		Date: 13-Feb-09	No.: MC235044
Modified Article: Cloth Screen		Prepared by: K. Yamamoto	
From: 2nd Tech. Support Sec. Service Support Dept.			
Reason for Modification:	☐ Parts catalog correction ☒ Vendor change ☐ Other ☐ To facilitate assembly ☐ To improve reliability ☐ To meet standards ☐ Part standardization ☐ Product Safety ()		

Note: This MB is for the Garnet only

Change: Vender change

Garnet Parts Catalog

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2392316	C2392329	SCREEN:SHIELD:ASS'Y	1	O/O	45	5	

Cut in Serial Numbers

Discontinued