

Model: PRIORT EMERALD/TOPAZ		Date: 1-Dec-05	No: R-C262-001
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priort Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.01	C2625174A	1st Mass production

Version	Symptom Corrected
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
1.01	C2655174A	1st Mass production

Version	Symptom Corrected
1.01	1st Mass Production

Reissued:12-Apr-06

Model: PRIPORT EMERALD/TOPAZ		Date: 1-Dec-05	No: R-C262-002a
Subject: Firmware Release History (Language)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification: <input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()			
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB contains the software release information for the Language set.

Note: The Japanese display language can be used, but there is one limitation:
The configuration page and other reports will not be printed out correctly.

Version	Program No.	Effective Date
1.01	C2625400	1st mass production
1.05	C2625400B	April 2006 Production

Version	Symptom Corrected
1.01	1st mass production
1.05	Wording corrections (German, French, Italian, Spanish, Russian, and the Netherlands)

Model: PRIPORT EMERALD/TOPAZ		Date: 23-Nov-05	No: R-C262-003
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.00	C2625114A	1st Mass Production

Version	Symptom Corrected
1.00	1st Mass Production

Topaz

Version	Program No.	Effective Date
1.01	C2655114	1st Mass Production

Version	Symptom Corrected
1.01	1st Mass Production

Reissued:12-Apr-06

Model: PRIPORT EMERALD/TOPAZ		Date: 23-Nov-05	No: R-C262-004a
Subject: Firmware Release History (Operation Panel)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the LCDC (Operation Panel).

NA

Version	Program No.	Effective Date
1.01	C2625165A	1st Mass Production
1.05	C2625165C	April 2006 production

EU

Version	Program No.	Effective Date
1.01	C2625167A	1st Mass Production
1.05	C2625167C	April 2006 production

NA

Version	Symptom Corrected
1.01	1st Mass Production
1.05	Wording corrections (German, French, Italian, Spanish, Russian, and the Netherlands)

EU

Version	Symptom Corrected
1.01	1st Mass Production
1.05	Wording corrections (German, French, Italian, Spanish, Russian, and the Netherlands)

Reissued: 07-May-13

Model: PRIORT EMERALD/TOPAZ/CAT'S EYE		Date: 1-Dec-05	No: R-C262-005c
Subject: Firmware Release History (PS3)		Prepared by: K. Yamamoto, 2nd Tech Service Sect., MFP/Printer Tech Se	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name:			
EMERALD:	Ricoh DD 6650P, Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280		
TOPAZ:	Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250		
CAT'S EYE:	Ricoh DX 4640PD, Gestetner DX4640PD, RexRotary DX4640PD, nashuatec DX4640PD, Savin 3585DNP2, Lanier LDD350d		

This RTB has been issued to announce the firmware release information for the PS3.

Version	Program No.	Effective Date
5.00	C6405121	January 2013 Production
4.00	C6405111C	December 2006 Production
3.00	C6405111B	1st Mass Production
2.02	C6405111A	-

Version	Symptom Corrected
5.00	Additional Model Information: The license was added for EM-D2
4.00	The license was added for Cat's-eye
3.00	The license was added for Topaz.
2.02	-

Model: PRIPORT EMERALD/TOPAZ		Date: 27-Dec-05	No: R-C262-006
Subject: Firmware update during USB connecting		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

Symptom

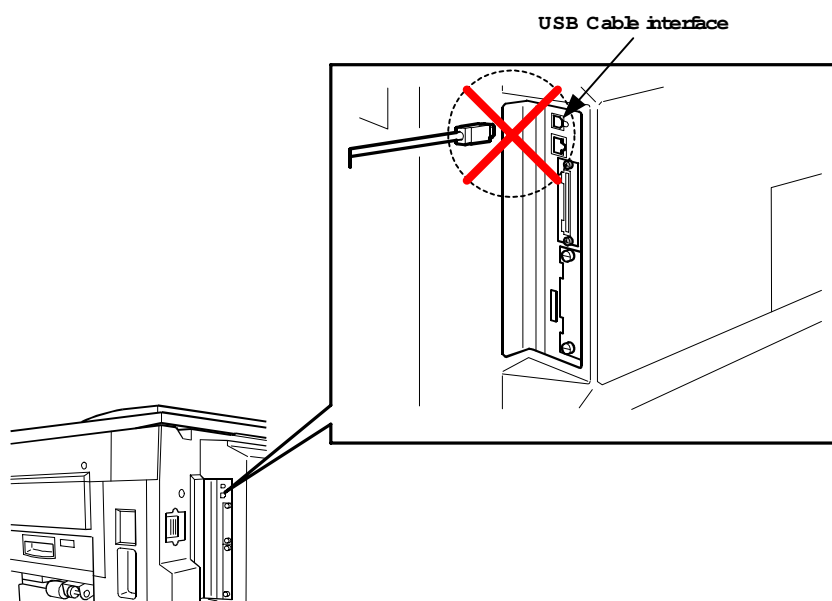
Firmware for ACU cannot be updated (SP 8-21) when USB is connected to the machine.
The board may break if the USB is connected to the machine when the firmware gets updated.

The following symptoms show when you download ACU firmware with USB connected:

1. SC 819.
2. The operation panel shows "Please Wait" after turn Off and On
3. The operation panel turns off.

Solution

Do not connect the USB when firmware for ACU is downloading.



Model: PRIORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001a
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priort Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.01	C2625174A	1 st Mass production
2.02	C2625174C	April 2006 production

Version	Symptom Corrected
1.01	1 st Mass Production
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. - SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>

Model: PRIPORT EMERALD/TOPAZ

Date: 26-Apr-06

No: R-C262-001a

Topaz

Version	Program No.	Effective Date
1.01	C2655174A	1 st Mass production
2.02	C2655174C	April 2006 production

Version	Symptom Corrected
1.01	1st Mass Production
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. - SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-007
Subject: New SP modes		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

New and Changed SP Modes

1. New SP Modes

- The following SP modes were added:
Note: See next page for details. See RC262-001a and RC262-003a for the Release Note information.

SP2-6-30 (Master Compression time A3/DLT)

SP2-6-31 (Master Compression time A4)

SP6-8-1 (Ink Detection Pulse)

- To use these new SP modes, install the firmware below **together as a set**.
ACU: C2625174C (Emerald), C2655174C (Topaz) April 2006 production
ECU: C2625114B (Emerald), C2655114A (Topaz) April 2006 production

2. Changed SP modes

- The following SP modes were changed:

SP6-7 (Drum Master Length Adjustment):

The setting range was changed from [0 to +5] to **[-5 to +5]**

SP6-7-5 (A4 Cut):

The actual length of an A4 master cut can be adjusted as follows:

[-5 to +5]

Model: PRIPORT EMERALD/TOPAZ

Date: 26-Apr-06

No: R-C262-007

SP2-6-30 MASTER COMPRESSION TIME A3/DLT
SP2-6-31 MASTER COMPRESSION TIME A4

Purpose: To adjust the maximum amount of masters that can be put in the master eject box. This allows the “Full” condition to happen earlier, so that the master eject box is not heavy when the user empties it.

SP2-6-30

Setting	0	1	2	3
Number of masters	120	100	90	70

Note: Before this SP mode, the master eject box was full at 120 masters.

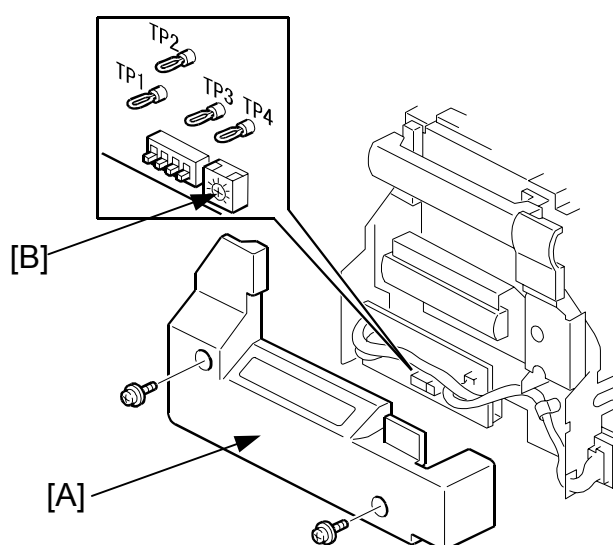
SP2-6-31

Setting	0	1
Number of masters	160	130

SP6-8-1 INK DETECTION PULSE

Purpose: With this SP, you can adjust the ink detection pulse very easily.

Note: This procedure is to calibrate the voltage of the ink sensor for the Ink End condition. This ensures that the sensor can correctly detect the Ink End condition. The procedure in this RTB is easier to do than the previous procedure (in the Service Manual).



Important: If you cannot correctly calibrate the sensor with this procedure, try the procedure in the Service Manual.

1. Remove the ink around the ink roller:
 - Set SP2-2-1 (ink detection) to OFF, and then
 - Feed paper until the ink reaches the end condition
2. Pull the drum out and remove the drum front cover [A] and ink cartridge.
3. Push the drum back inside the machine.
4. Turn ON the main switch.
5. Access SP6-008-1 (Ink sensor).
6. The detection voltage is displayed on the operation panel. Turn VR901 [B] on the ink detection board until the value becomes **6.0μs**.
7. Return SP2-2-1 to **ON**.

Reissued:12-Apr-06

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003a
Subject: Firmware Release History (ECU)	Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification: <input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250		

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.00	C2625114A	1st Mass Production
1.09	C2625114B	April 2006 production

Version	Symptom Corrected
1.00	1st Mass Production
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of used masters in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.

Reissued:12-Apr-06

Model: PRIPORT EMERALD/TOPAZ**Date:** 12-Apr-06**No:** R-C262-003a**Topaz**

Version	Program No.	Effective Date
1.01	C2655114	1st Mass Production
1.09	C2655114A	April 2006 production

Version	Symptom Corrected
1.01	1st Mass Production
1.09	Other changes: <ul style="list-style-type: none">- The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 <p>The maximum number of used masters in the master eject box can be adjusted (Refer the RTB: RC262007).</p> <p>Important: To apply these changes, you also need to update the ACU firmware to ver2.02.</p>

Model: PRIPORT EMERALD/TOPAZ		Date: 20-Apr-07	No: R-C262-008
Subject: Print pressure release arm gap adjustment		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

SYMPTOM

A/B jam

CAUSE

When the printing pressure is high, the gap between the print pressure release arm and its bracket gets smaller. As a result, sometimes the arm is bent and cannot be released.

Note: The print pressure is higher when the temperature is low.

SOLUTION

Production line

The gap between the print pressure release arm and its bracket was increased.

0.3mm +/- 0.2mm → **0.4mm +/- 0.2mm**

Applied from: November 2006

In the field

Adjust this gap to **0.4mm +/- 0.3mm** on machines produced up through October 2006.

Note: For the procedure, see section "3.10.7 Printing Pressure Release Arm Gap Adjustment" on pg. 3-113 of the Emerald Service Manual

Model: PRIPORT EMERALD/TOPAZ		Date: 21-May-07	No: R-C262-009
Subject: Image shift		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

Symptom

The image shifts a maximum of 2mm.

Note:

- Usually, the image shifts little by little, and then stops at about 1000 prints. However, this depends on the image and type of paper used.
- If the shift is more than 2mm, it is not the symptom described in this RTB.

Cause

The master slips little by little during printing.

Note:

- This symptom is not caused by the master coming loose from the master clapper.
- The amount of shift is equal to the size of the wrinkle on the front side of the master (the side to which ink is not transferred).

Solution

Production line

New SP modes were added: **SP2-006-50 to -80** (Master Slippage Adjustment).

Note:

- With this SP mode, the paper feed timing is changed to compensate for the master shift.
- These SP modes are included in firmware version 2.1 (ACU) and 1.13 (ECU).

In the field

If the symptom occurs, change the paper feed timing with the new SP modes until the image registration is fixed.

Model: PRIPORT EMERALD/TOPAZ

Date: 21-May-07

No: R-C262-009

NEW SP MODES

*SP2-006-50 Master Slippage Adjustment

To apply the values of **SP2-006-51** to **-82**, the following SP mode must be set to "ON".

SP2-006-	Menu	Default	Setting
50	Master Slippage Adjustment	OFF	ON/OFF

*SP2-006-51 to -70

There are four basic items to set (listed below), arranged in five sets. Each set corresponds to a combination of ink type (color or black) and speed. The selection made in SP2-006-71 to -82 will determine which set of data is used (set 1, 2, 3, 4 or 5).

Start Print Number

The number of prints at which the adjustment will start

Interval

The number of prints between the last adjustment and the next adjustment

Amount of adjustment

The distance of slip each time the adjustment is performed

Max Amount of Adjustment

The maximum amount of total slip (distance)

NOTE: These SP modes contain optimal values. Only change these values if the default value does not fit the customer's situation.

Model: PRIORT EMERALD/TOPAZ

Date: 21-May-07

No: R-C262-009

SP2-006-	Menu	Default	Setting
51	1 Start Print Number	70 print	10 to 4000 prints
52	1 Interval	200 print	10 to 4000 prints
53	1 Amount Of Adjustment	0.25 mm	0.25 to 10.0 mm
54	1 Max Amount Of Adjustment	0.50 mm	0.25 to 10.0 mm
55	2 Start Print Number	60 prints	10 to 4000 prints
56	2 Interval	60 prints	10 to 4000 prints
57	2 Amount Of Adjustment	0.25 mm	0.25 to 10.0 mm
58	2 Max Amount Of Adjustment	0.75 mm	0.25 to 10.0 mm
59	3 Start Print Number	60 prints	10 to 4000 prints
60	3 Interval	60 prints	10 to 4000 prints
61	3 Amount Of Adjustment	0.25 mm	0.25 to 10.0 mm
62	3 Max Amount Of Adjustment	1.00 mm	0.25 to 10.0 mm
63	4 Start Print Number	20 prints	10 to 4000 prints
64	4 Interval	50 prints	10 to 4000 prints
65	4 Amount Of Adjustment	0.25 mm	0.25 to 10.0 mm
66	4 Max Amount Of Adjustment	1.25 mm	0.25 to 10.0 mm
67	5 Start Print Number	20 prints	10 to 4000 prints
68	5 Interval	50 prints	10 to 4000 prints
69	5 Amount Of Adjustment	0.25 mm	0.25 to 10.0 mm
70	5 Max Amount Of Adjustment	1.50 mm	0.25 to 10.0 mm

***SP2-006-71 to -82**

The following SP modes decide which set of data is used for each print speed and ink color. The defaults are as shown below, but these can be changed.

SP2-006-	Menu	Default	Setting
71	Black 60 rpm	2	1 to 5
72	Black 75 rpm	1	1 to 5
73	Black 90 rpm	2	1 to 5
74	Black 105 rpm	3	1 to 5
75	Black 120 rpm	4	1 to 5
76	Black 135 rpm	5	1 to 5
77	Color 60 rpm	2	1 to 5
78	Color 75 rpm	1	1 to 5
79	Color 90 rpm	1	1 to 5
80	Color 105 rpm	1	1 to 5
81	Color 120 rpm	3	1 to 5
82	Color 135 rpm	3	1 to 5

Model: PRIPORT EMERALD/TOPAZ

Date: 21-May-07

No: R-C262-009

Example:

- Black ink, Print speed 3 (90rpm), default setting
- SP2-006-50 is "ON".

- The machine will use data set 2.

SP2-006-73

73	Black 90 rpm	2
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Data set 2:

55	2 Start Print Number	60 prints
56	2 Interval	60 prints
57	2 Amount Of Adjustment	0.25 mm
58	2 Max Amount Of Adjustment	0.75 mm

- The image will shift 0.25mm every 60 prints until 180 prints are made (total: a 0.75mm shift)

Reissued: 21-May-07

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001b
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> Supports the China model. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>

Reissued: 21-May-07

Version	Symptom Corrected
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
2.07	<p>Other changes:</p> <p>1. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode.</p> <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>

Reissued: 21-May-07

Version	Symptom Corrected
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, <ol style="list-style-type: none"> 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 09-May-07

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003b
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Version	Symptom Corrected
1.12	Symptom corrected: <i>The feed start timing sensor stays ON (because of a problem with the sensor itself, or paper or ink covers the sensor, or another problem), which causes SC503 to be displayed instead of the D jam.</i>
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.00	1st Mass Production

Reissued: 09-May-07

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003b
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Topaz

Version	Program No.	Effective Date
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected
1.12	Symptom corrected: <i>The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.</i>
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.01	1st Mass Production

Reissued: 25-May-07

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001c
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
2.10	C2625174E	April 2007 production
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
2.10	Other changes: 1. The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. 2. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor - Reverse"
2.07	Other changes: 1. Supports the China model. 2. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.

Reissued: 25-May-07

Version	Symptom Corrected
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. - SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
2.10	C2655174E	April 2007 production
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor - Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>

Reissued: 25-May-07

Version	Symptom Corrected
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none">- Japanese can be used as the display language. Note: When you use the Japanese display language,<ul style="list-style-type: none">1) the text on the configuration page is garbled, and2) only English can be used for file names and other items programmed from the operation panel.- The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm.- SP6-8-1 (Ink Detection Pulse) was newly added.- SP6-7-5 (A4 cut) was newly added.-SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 25-May-07

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003c
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name:			
EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.13	C2625114D	April 2007 production
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Version	Symptom Corrected
1.13	(Version change only, in conjunction with the version change of the Topaz software).
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.00	1st Mass Production

Reissued: 25-May-07

Topaz

Version	Program No.	Effective Date
1.13	C2655114C	<i>April 2007 production</i>
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected
1.13	<i>Symptom corrected:</i> <i>Black lines are visible on the printouts (occurrences are rare).</i>
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.01	1st Mass Production

Reissued:13-Sep-07

Model: PRIPORT EMERALD/TOPAZ		Date: 6-Jun-07	No: R-C262-010a
Subject: Method of put a seal on Drum Screen		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

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

Important Notes for When Installing a New Cloth Screen:

The following information is not contained in the Service Manual.

- Attach these stickers when you install the drum screen. **See the attachment procedure on the next page.**
NOTE: 1) ***These stickers are not registered as individual service parts. They are only included in the Cloth Screen service parts (2pcs).***
 2) ***These stickers are already attached on drums from the beginning of mass production.***
- Purpose: These stickers will reduce the amount of wrinkling of the master when the master is clamped. This is because the stickers increase the master clamp pressure near both sides of the drum.

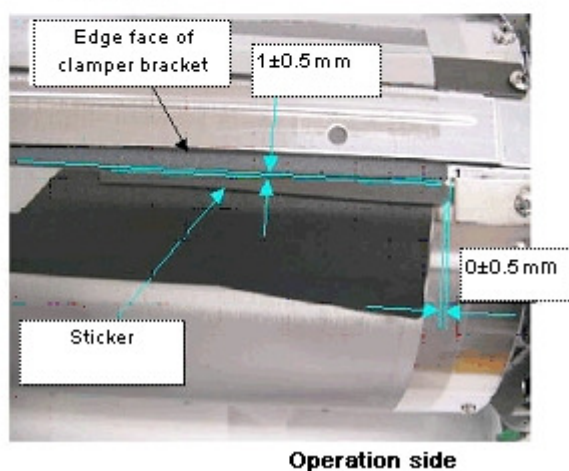
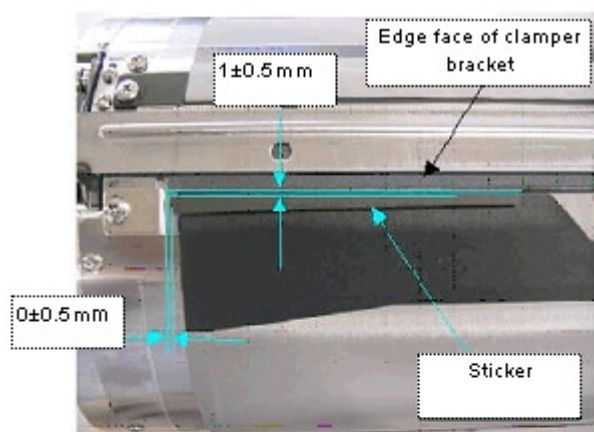
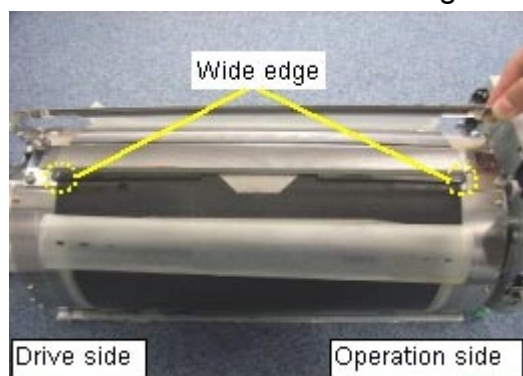


Reissued:13-Sep-07

Model: PRIPORT EMERALD/TOPAZ	Date: 6-Jun-07	No: R-C262-010a
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Attachment Procedure for the Cloth Screen Stickers:

1. Attach the new drum screen.
2. Attach the two stickers as shown in the photo.
 - One edge of the sticker is wider than the other.
 - Attach the **wide edge** of each sticker to the **end of the drum**.
 - Attach each sticker flush against the clamber bracket.



Model: PRIPORT EMERALD/TOPAZ		Date: 19-Jun-07	No: R-C262-011
Subject: Slip out the master		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

SYMPTOM

The image shifts toward the trailing edge.

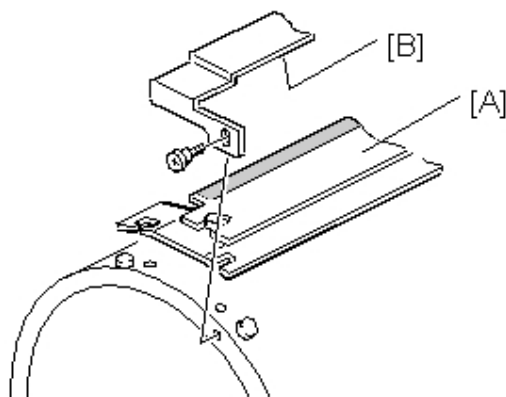
CAUSE

Paper dust builds up on the master clamber and clamber base.

SOLUTION

Wipe the clamber [B] and clamber base [A] with alcohol.

Important: 1) Do not wipe the sandpaper area on the clamber base.
 2) Do not use alcohol on machines that were produced before the Emerald/Topaz. For these machines, use a water-damp cloth.



[A]: Clamber.

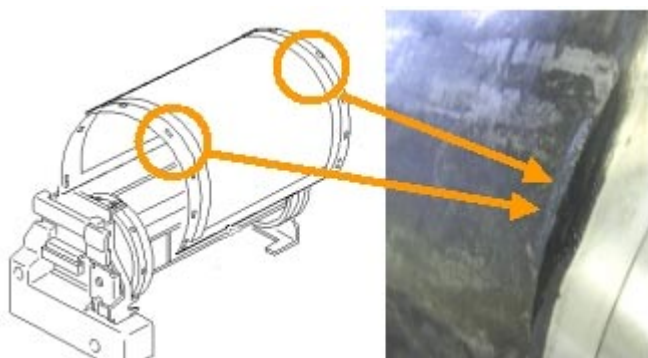
[B]: Clamber base.

Model: PRIPORT EMERALD/TOPAZ		Date: 6-Jul-07	No: R-C262-012
Subject: The edge of metal screen breaks		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

See MB MC262004 for parts information.

SYMPTOM

The edge of the metal screen breaks



CAUSE

The metal screen bumped into something on the floor when the user removed the drum from the machine.

Model: PRIORT EMERALD/TOPAZ

Date: 6-Jul-07

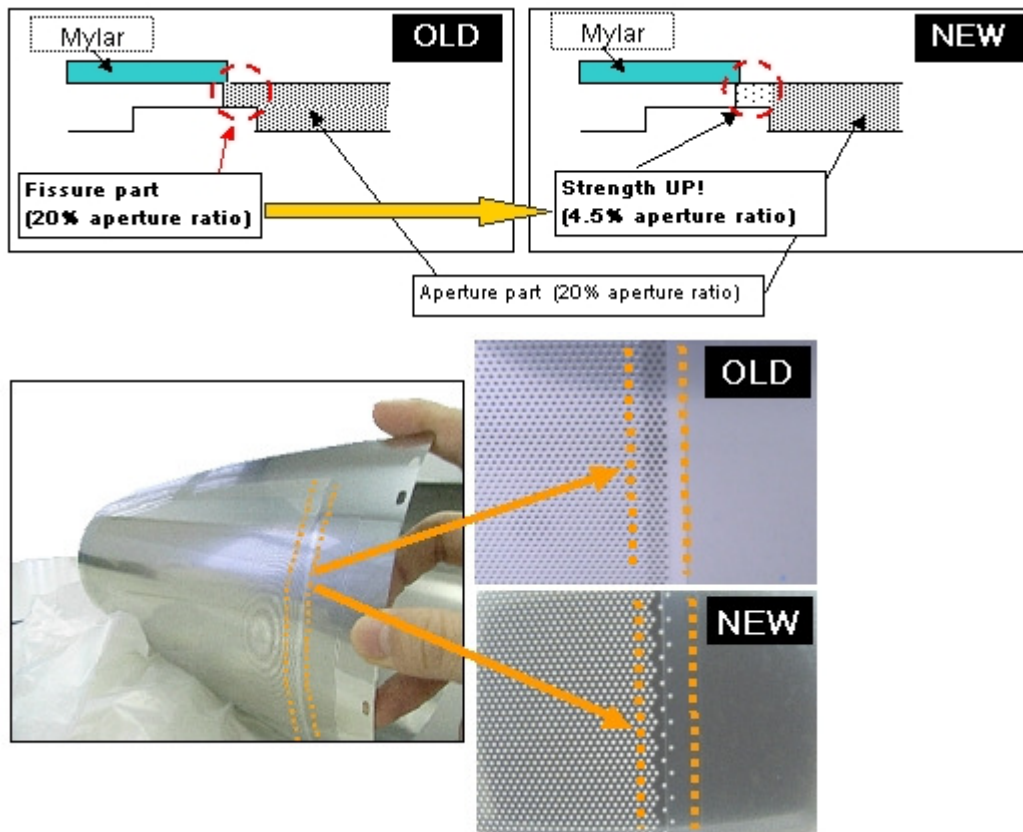
No: R-C262-012

SOLUTION

1. Put the drum on a flat floor when the drum is removed from the machine.
2. The aperture at the edge of the metal screen and metal screen mylar was changed for improved endurance.

Metal Screen

The ratio of the aperture is changed from 20% to 4.5%



Mylar

Changed for reduced ink leakage.

Reissued: 04-Jul-07

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001d
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
2.12	C2625174F	June 2007 production
2.10	C2625174E	April 2007 production
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
2.12	Other changes: Supports @Remote.
2.10	Other changes: 1. The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. 2. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"

Reissued: 04-Jul-07

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003d
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.15	C2625114E	June 2007 production
1.13	C2625114D	April 2007 production
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Version	Symptom Corrected
1.15	Symptom corrected: <ol style="list-style-type: none"> An A4 cut master wraps around the master eject roller. Master cutting error misdetection (new firmware: detection timing changed). Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).
1.13	(Version change only, in conjunction with the version change of the Topaz software).
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.

Reissued: 04-Jul-07

Version	Symptom Corrected
1.09	<p>Other changes:</p> <ul style="list-style-type: none"> - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 <p>The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007).</p> <p>Important: To apply these changes, you also need to update the ACU firmware to ver2.02.</p>
1.00	1st Mass Production

Topaz

Version	Program No.	Effective Date
1.15	C2655114D	June 2007 production
1.13	C2655114C	April 2007 production
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected
1.15	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).
1.13	<p>Symptom corrected:</p> <p>Black lines are visible on the printouts (occurrences are rare).</p>
1.12	<p>Symptom corrected:</p> <p>The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.</p>

Reissued: 04-Jul-07

Version	Symptom Corrected
1.09	<p>Other changes:</p> <ul style="list-style-type: none">- The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 <p>The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007).</p> <p>Important: To apply these changes, you also need to update the ACU firmware to ver2.02.</p>
1.01	1st Mass Production

Reissued: 04-Jul-07

Version	Symptom Corrected
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> 1. Supports the China model. 2. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. - SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
2.12	C2655174F	June 2007 production
2.10	C2655174E	April 2007 production
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
2.12	<p>Other changes: Supports @Remote.</p>

Reissued: 04-Jul-07

Version	Symptom Corrected
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Model: PRIPORT EMERALD/TOPAZ		Date: 11-Jul-07	No: R-C262-013
Subject: Drum thermistor		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

See MB #MC262005 for parts information.

SYMPTOM

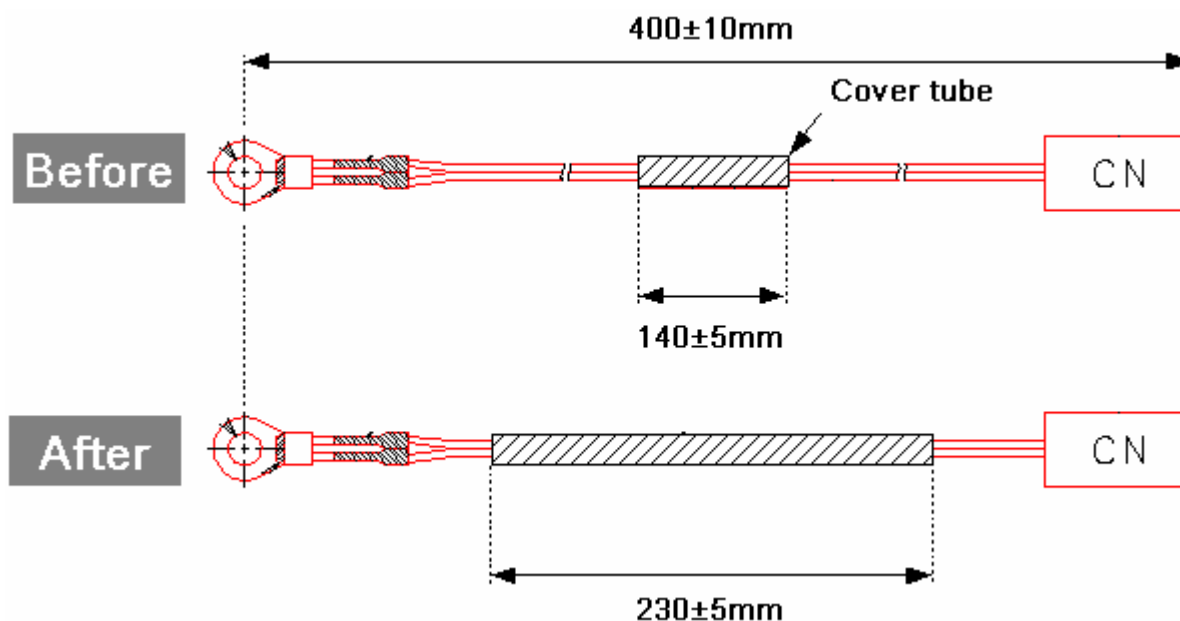
The cover tube of the thermistor breaks, sometimes triggering SC307 ("Hot ink").

CAUSE

The thermistor hits the inside of the machine frame, causing damage to the cover tube. If a short-circuit occurs, SC307 is triggered.

SOLUTION

The length of the cover tube was increased from 140mm to 230mm.



Model: PRIPORT EMERALD/TOPAZ		Date: 04-Sep-07	No: R-C262-014
Subject: Master eject jam mis detection		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

SYMPTOM

A master eject jam is sometimes detected by mistake.

CAUSE

Ink sticks to the bracket for the master eject sensor.

SOLUTION

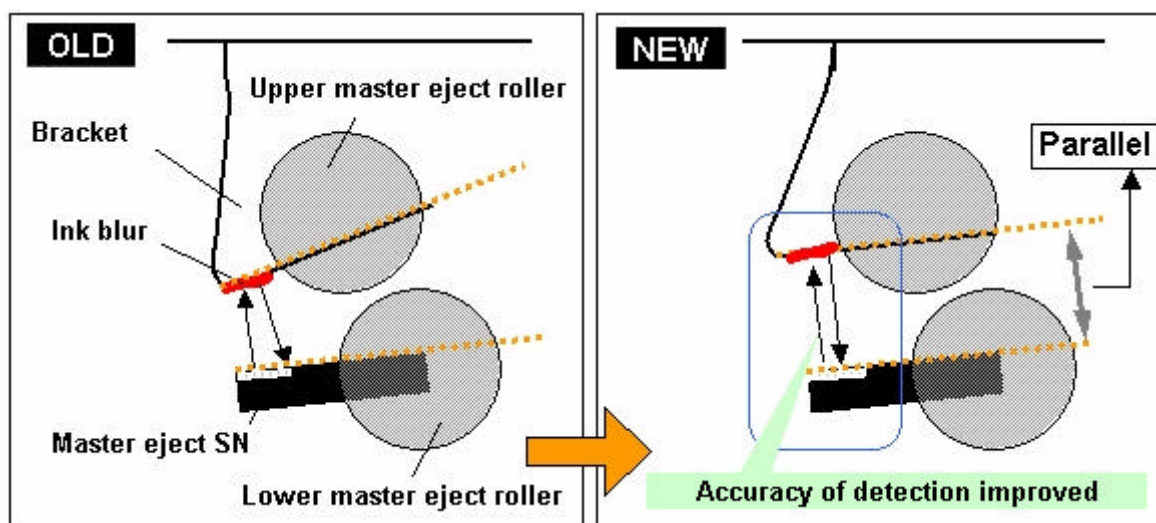
In the field:

Replace the bracket for the master exit sensor.

Production line:

The shape of the bracket was changed to improve detection accuracy.

Note: See MB #MC262006 for parts information.

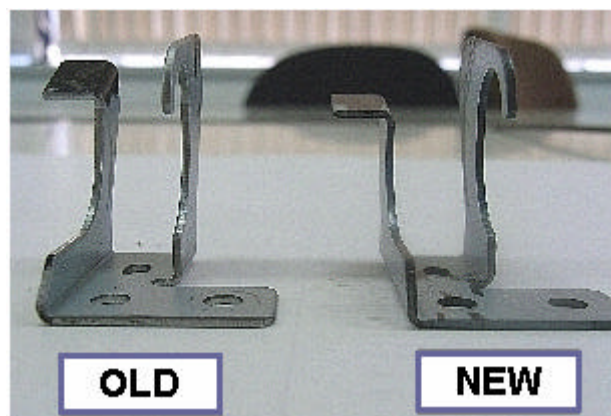


Model: PRIORT EMERALD/TOPAZ

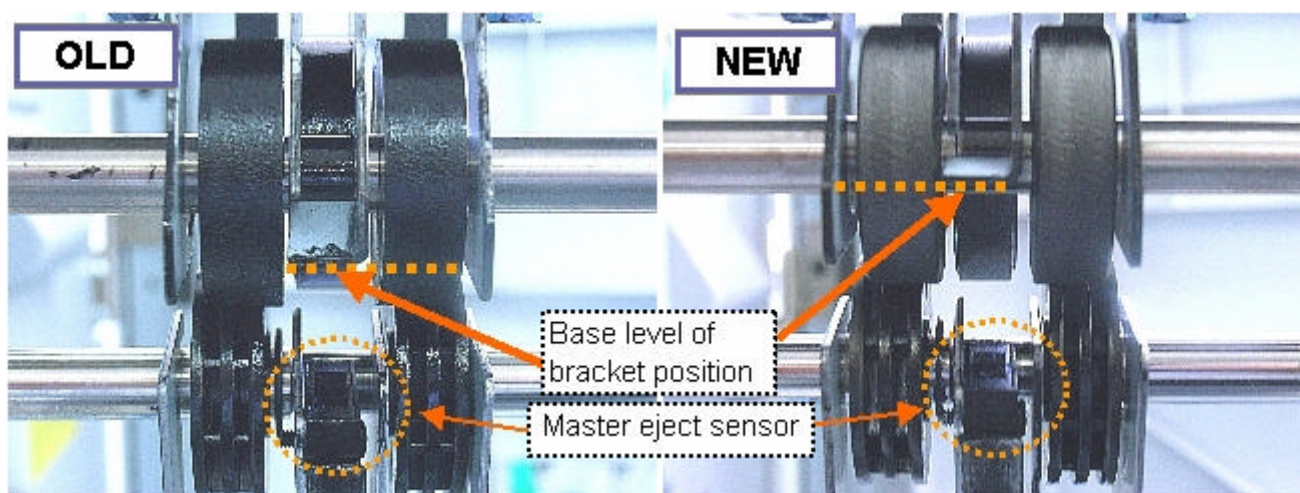
Date: 04-Sep-07

No: R-C262-014

OLD and NEW brackets:



OLD and NEW brackets attached:

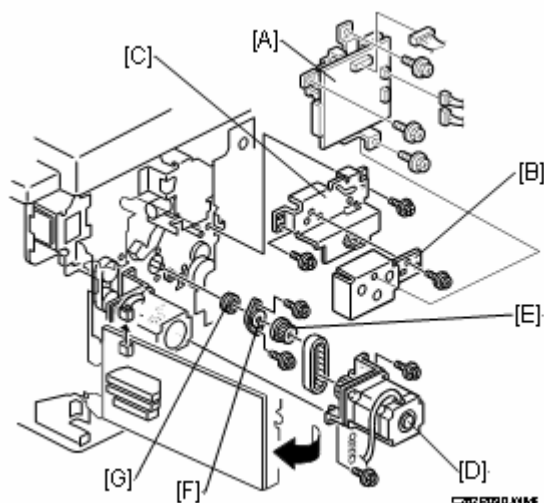


Model: PRIPORT EMERALD/TOPAZ		Date: 14-Sep-07	No: R-C262-015
Subject: Service manual revision		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input checked="" type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other ()		
Model Name:			
EMERALD:	Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280		
TOPAZ:	Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250		

The Service Manual for the Emerald/Topaz was changed as follows.

Change the items in bold:

3.9.12 LOWER REGISTRATION ROLLER



Front cover, Knob cover, Inner cover (Refer to 3.2.1)

Rear cover, Right rear cover, Right front cover (Refer to 3.2.2)

Open out the ACU - ECU assembly (Refer to 3.5.1)

Pressure cylinder (Refer to 3.10.1)

[A]: Double feed detector board (Screw x 3, Connector x 3)

[B]: Pulley cover (Screw x 1)

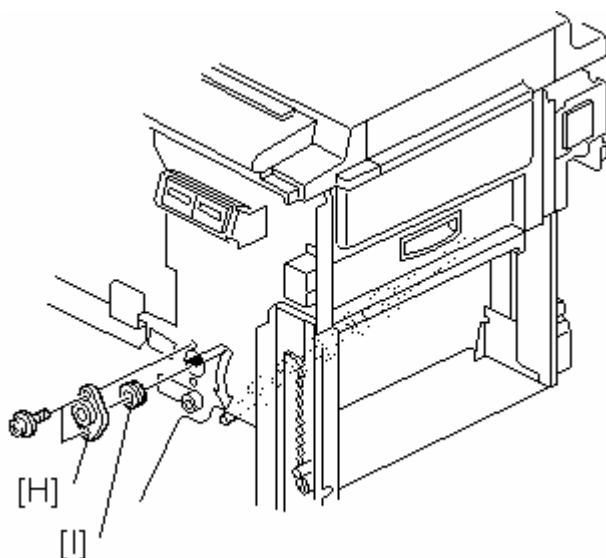
[C]: Lifting cam bracket (Screw x 2)

[D]: Registration motor (Screw x 2, Connector x 1)

[E]: Pulley (Allen screw x 2)

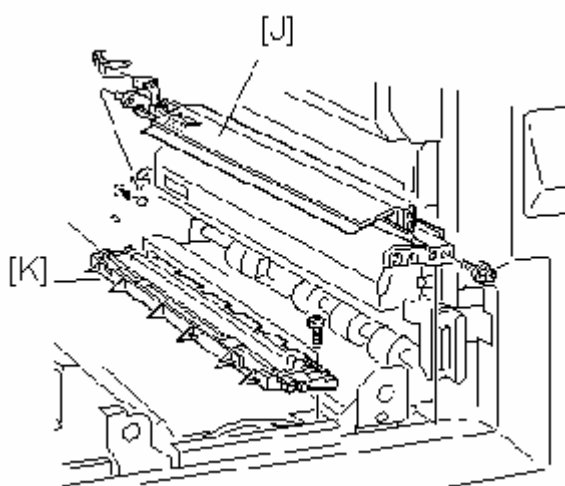
[F]: Bearing holder (Screw x 2)

[G]: Bearing

Model: PRIPORT EMERALD/TOPAZ**Date:** 14-Sep-07**No:** R-C262-015

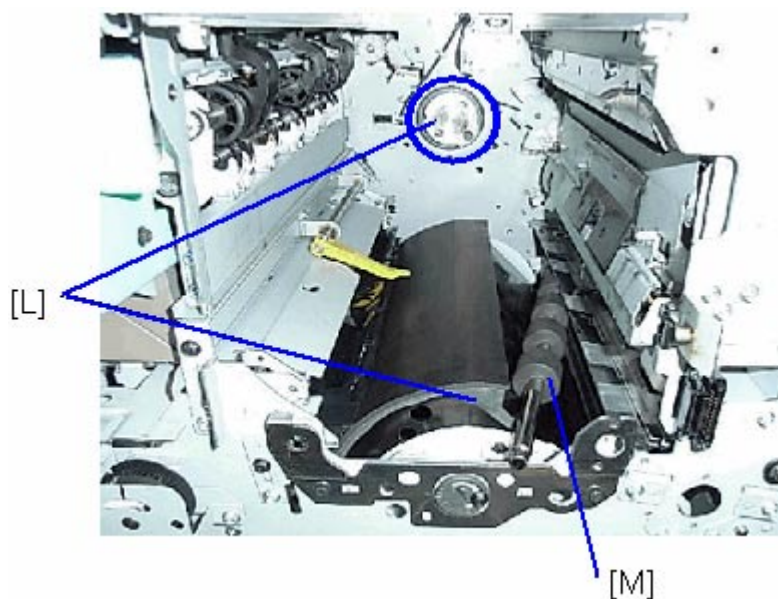
[H]: Bearing holder (Screw x 2)

[I]: Bearing



[J]: 1st drum master sensor bracket (Screw x 2, Connector x 1)

[K]: Paper clamber (Screw x 2)

Model: PRIPORT EMERALD/TOPAZ**Date:** 14-Sep-07**No:** R-C262-015

[L]: Using the knob, rotate the pressure cylinder until it reaches the position shown in the circled area in the photo.

[M]: Lower registration roller

NOTE: Slide the lower registration roller [M] towards the operation side.

Model: PRIPORT EMERALD/TOPAZ		Date: 8-Aug-08	No: R-C262-016
Subject: Service manual revision		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

Please add the following section to your Service Manuals after **p3-71**.

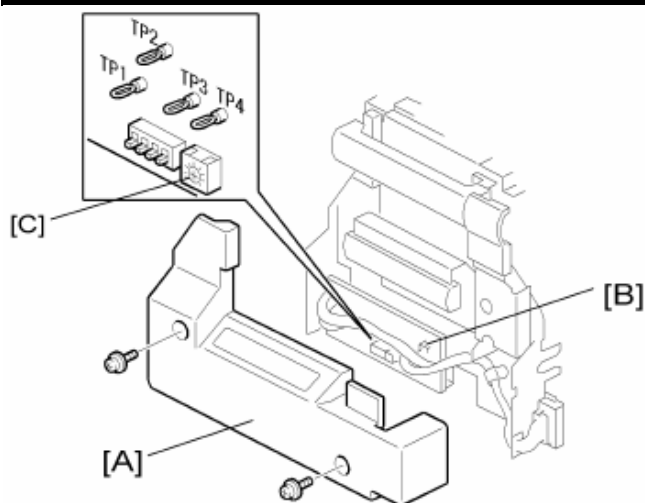
Ink Detection Adjustment

Simple Method (SP6-008-1)

Purpose: To ensure that the CPU detects a no ink condition.

⚠ CAUTION

Before attempting this procedure, wipe off the ink around the ink roller. To do this, set SP2-002-1 (Ink Detection) to OFF, and feed paper until ink ends. This adjustment is required every time the MPU has been replaced. Normally, the simple method is sufficient. But, the oscilloscope method is more accurate. Use the oscilloscope method if you cannot adjust the sensor to the required value with the simple method, or if ink flooding problems occur after adjustment with the simple method.



C269R090

Model: PRIPORT EMERALD/TOPAZ

Date: 8-Aug-08

No: R-C262-016

1. Access SP6-008-1 and check if the value is "6.0μ" or not.
2. Remove the drum front cover [A], if the value is not "6.0μ". (⌘ x 2)
3. Turn VR901 [C] on board [B] until the display shows "6.0μ".
4. Set SP2-002-1 (ink detection) to ON.

NOTE: If the simple method gives an inaccurate result, it is possible that too much ink will come out into the drum during printing. If this happens, repeat the adjustment, but use the oscilloscope method, because this is more accurate.

If you turn VR901 in the anticlockwise direction fully, the machine always detects 'ink present'. (The machine will not provide ink when it should do so.)

If you turn VR901 in the clockwise direction fully, the machine always detects 'no ink'. (The machine will always supply ink, even when not necessary.)

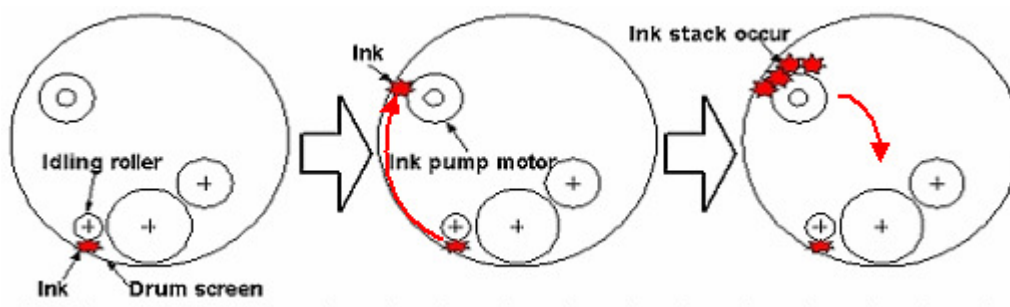
Model: PRIORT EMERALD/TOPAZ		Date: 23-Oct-08	No: R-C262-017
Subject: Ink build up		Prepared by: K. Yamamoto, 2nd Tech. Support Sec. Service Support Dept.	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

SYMPTOM:

SC305 (Drum shift motor lock) or SC308 (Ink pump motor lock)

CAUSE:

Lumps of ink build up on the ink pump motor, and eventually the ink begins dropping into the drum and sticks to the drum surface.



Model: PRIPORT EMERALD/TOPAZ

Date: 23-Oct-08

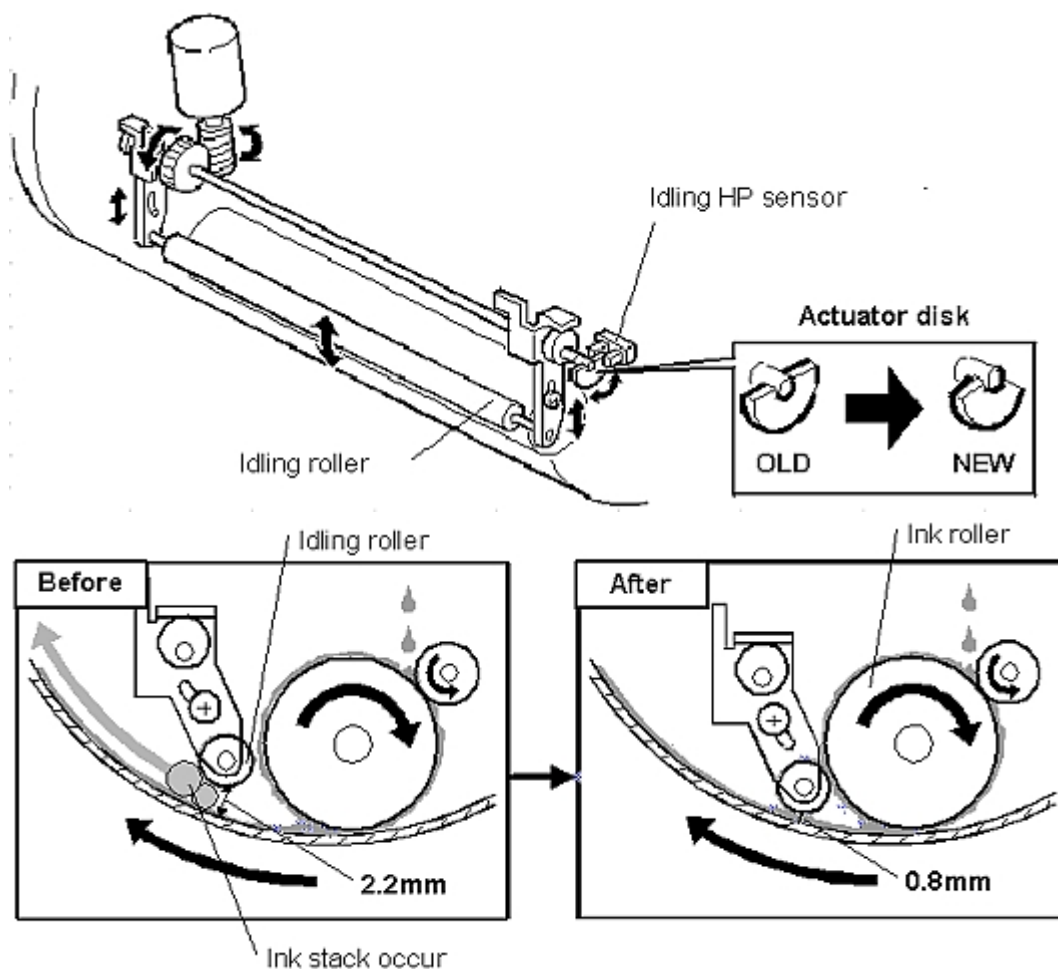
No: R-C262-017

SOLUTION:

Install the following new parts (new actuator and new side plate):

Note: For parts change information, see **MB #MC262-015**

1. The shape of the actuator for the idling HP sensor was changed.

Note: As a result, the gap between the idling roller and metal screen is now narrower than before (2.2mm to 0.8mm). The idling roller will be rotated with the metal screen, which will prevent the ink from building up.


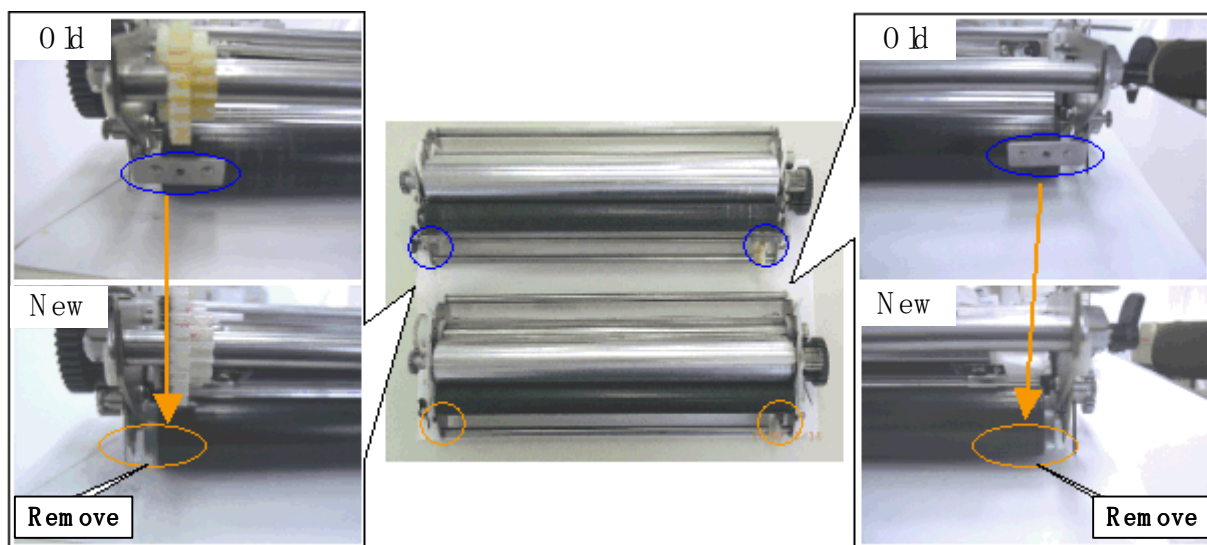
Model: PRIPORT EMERALD/TOPAZ

Date: 23-Oct-08

No: R-C262-017

2. The shape of the side plate was changed.

Note: As a result, the ink will not build up at the plate.



Reissued: 12-Nov-08

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001e
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
2.13	C2625174G	<i>April 2008 production</i>
2.12	C2625174F	June 2007 production
2.10	C2625174E	April 2007 production
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
2.13	<i>Other changes: Supports the new HDD.</i>
2.12	Other changes: Supports @Remote.
2.10	Other changes: 1. The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. 2. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"

Reissued: 12-Nov-08

Version	Symptom Corrected
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> 1. Supports the China model. 2. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. - SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
2.13	C2655174G	April 2008 production
2.12	C2655174F	June 2007 production
2.10	C2655174E	April 2007 production
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.

Reissued: 12-Nov-08

Version	Symptom Corrected
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 24-Oct-08

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003e
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
1.16	C2625114F	December 2007 production
1.15	C2625114E	June 2007 production
1.13	C2625114D	April 2007 production
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Version	Symptom Corrected
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).
1.13	(Version change only, in conjunction with the version change of the Topaz software).

Reissued: 24-Oct-08

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003e
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Version	Symptom Corrected
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.00	1st Mass Production

Topaz

Version	Program No.	Effective Date
1.16	C2655114E	December 2007 productions
1.15	C2655114D	June 2007 production
1.13	C2655114C	April 2007 production
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).
1.13	Symptom corrected: Black lines are visible on the printouts (occurrences are rare).

Reissued: 24-Oct-08

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003e
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Version	Symptom Corrected
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.01	1st Mass Production

Reissued: 24-Oct-08

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003f
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
<i>1.17</i>	<i>C2625114G</i>	<i>November 2008 production</i>
1.16	C2625114F	December 2007 production
1.15	C2625114E	June 2007 production
1.13	C2625114D	April 2007 production
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Reissued: 24-Oct-08

Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003f
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Version	Symptom Corrected																																																				
1.17	Other changes: The default values of the following SP modes were changed:																																																				
	<table><tr><th>SP6-22</th><th>Regist Roller Delay-Special</th><th>Default</th><th>Setting</th></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><th>SP6-29</th><th>P Clamp Timing Pulse-Special</th><th>Default</th><th>Setting</th></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr><tr><td>7</td><td>120 rpm</td><td>202</td><td>194</td></tr></table>	SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193	7	120 rpm	202	194
	SP6-22	Regist Roller Delay-Special	Default	Setting																																																	
	3	60 rpm	35	34																																																	
	4	75 rpm	33	32																																																	
	5	90 rpm	28	27																																																	
	6	105 rpm	24	22																																																	
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	SP6-29	P Clamp Timing Pulse-Special	Default	Setting																																																	
	3	60 rpm	199	193																																																	
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		Note: These changes apply only to machines produced for RAC and RE.																																																			
	1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).																																																			
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).																																																				
1.13	(Version change only, in conjunction with the version change of the Topaz software).																																																				
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.																																																				
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.																																																				
1.00	1st Mass Production																																																				

Reissued: 24-Oct-08

Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003f
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Topaz

Version	Program No.	Effective Date
1.17	C2655114F	November 2008 production
1.16	C2655114E	December 2007 productions
1.15	C2655114D	June 2007 production
1.13	C2655114C	April 2007 production
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected																																																				
1.17	Other changes: The default values of the following SP modes were changed:																																																				
	<table><tr><td>SP6-22</td><td>Regist Roller Delay-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>SP6-29</td><td>P Clamp Timing Pulse-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr><tr><td>7</td><td>120 rpm</td><td>202</td><td>194</td></tr></table>	SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193	7	120 rpm	202	194
	SP6-22	Regist Roller Delay-Special	Default	Setting																																																	
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	SP6-29	P Clamp Timing Pulse-Special	Default	Setting																																																	
	3	60 rpm	199	193																																																	
	4	75 rpm	200	194																																																	
	5	90 rpm	200	194																																																	
	6	105 rpm	201	193																																																	
	7	120 rpm	202	194																																																	
	Note: These changes apply only to machines produced for RAC and RE.																																																				
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).																																																				
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).																																																				

Reissued: 24-Oct-08

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003f
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Version	Symptom Corrected
1.13	Symptom corrected: Black lines are visible on the printouts (occurrences are rare).
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or in covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam t be displayed.
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.01	1st Mass Production

Reissued:27-Oct-08

Model: PRIPORT EMERALD/TOPAZ		Date: 23-Nov-05	No: R-C262-004b
Subject: Firmware Release History (Operation Panel)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the LCDC (Operation Panel).

NA

Version	Program No.	Effective Date
1.01	C2625165A	1st Mass Production
1.05	C2625165C	April 2006 production

EU

Version	Program No.	Effective Date
1.01	C2625167A	1st Mass Production
1.05	C2625167C	April 2006 production

RCN

Version	Program No.	Effective Date
1.05	C2625413	1st Mass Production

NA

Version	Symptom Corrected
1.01	1st Mass Production
1.05	Wording corrections (German, French, Italian, Spanish, Russian, and the Netherlands)

Reissued:27-Oct-08

EU

Version	Symptom Corrected
1.01	1st Mass Production
1.05	<i>Wording corrections (German, French, Italian, Spanish, Russian, and the Netherlands)</i>

RCN

Version	Symptom Corrected
1.05	<i>1st Mass Production</i>

Model: PRIPORT EMERALD/TOPAZ		Date: 24-Oct-08	No: R-C262-018
Subject: Feeding Number 10 Envelopes		Prepared by: K. Yamamoto, 2nd Tech. Support Sec. Service Support Dep	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other (To improve reliability)		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

Note: This RTB applies to machines produced for the RAC and RE markets only.

IMPROVEMENTS MADE FOR FEEDING NO. 10 ENVELOPES

- The feeding performance for No. 10 envelopes was improved (feeding skew was minimized).

Important: The feeding performance for thin paper may decrease with this change.

- To apply this improvement, do the following.

- Update the firmware to the following versions:

Emerald: Version 1.17 or newer (C2625114G)

Topaz: Version 1.17 or newer (C2655114F)

Note: For firmware information, see RTB #RC262-003f

- On machines produced **from** the cut-in serial number:
When printing envelopes, set "Special Paper" as the paper type in User Mode.

- On machines produced **before** the cut-in serial number:
 - Remove the Mylars and replace the paper feed guide plate.

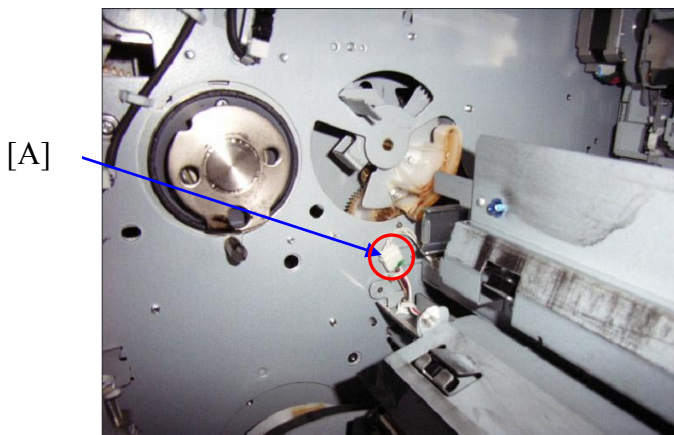
See the procedure below.

Note: For parts change information, see MB #MC262-016

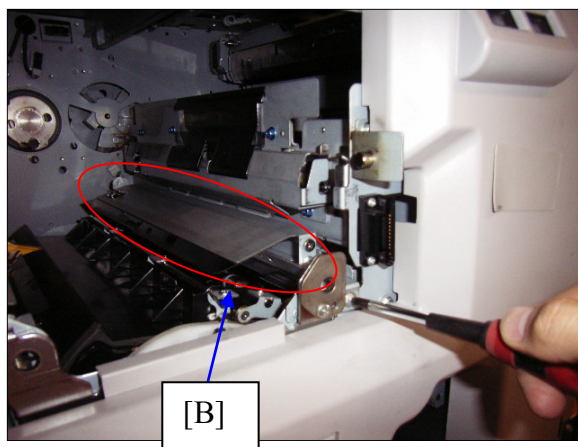
- When printing envelopes, set "Special Paper" as the paper type in User Mode.

Model: PRIPORT EMERALD/TOPAZ**Date:** 24-Oct-08**No:** R-C262-018**INSTALLATION PROCEDURE**

1. Remove the drum.
2. Remove the connector [A] of the sensor.



3. Remove the 1st drum master sensor bracket [B].

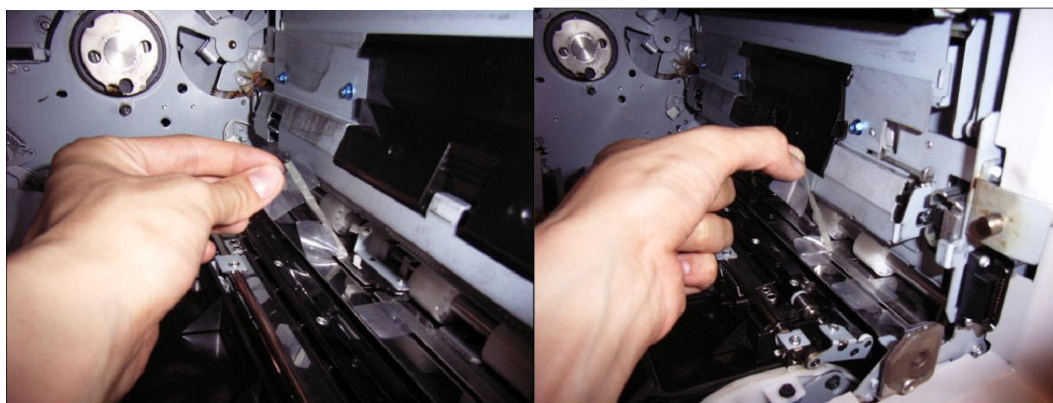
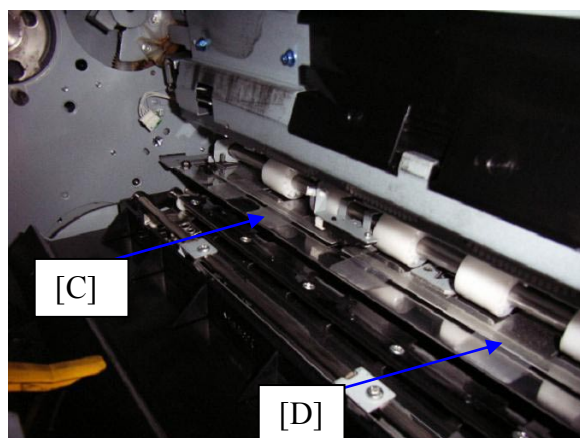


Model: PRIPORT EMERALD/TOPAZ

Date: 24-Oct-08

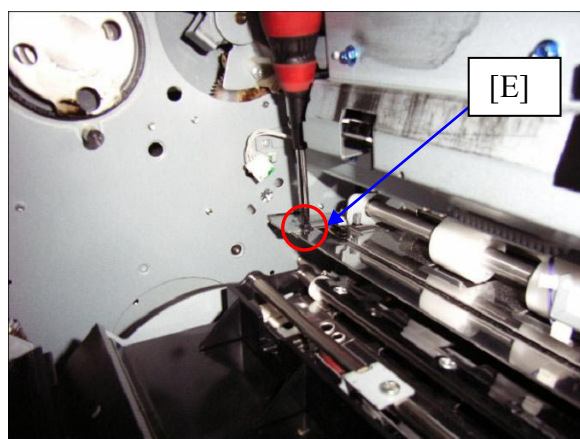
No: R-C262-018

4. Remove the two Mylars [C, D].



5. Remove the master making unit (to make enough work space).

6. Loosen the black screw [E].

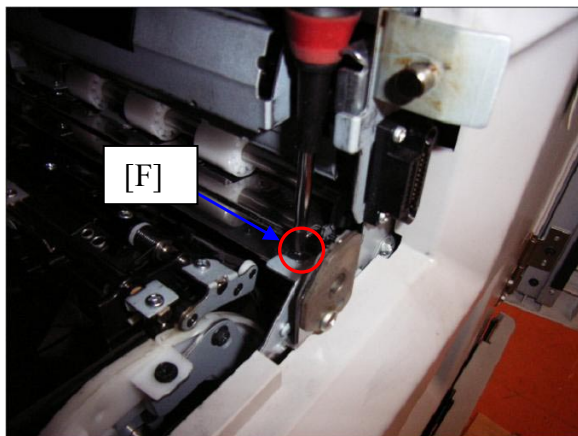


Model: PRIORT EMERALD/TOPAZ

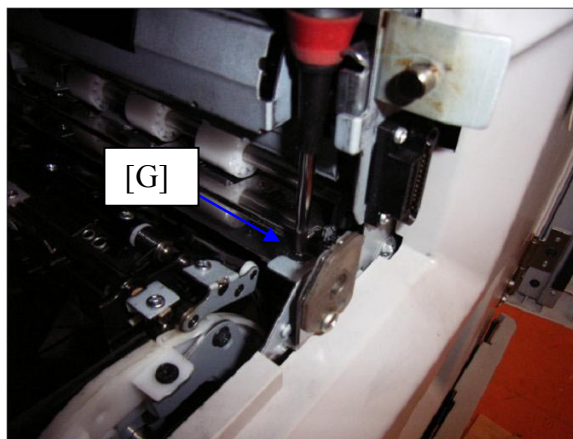
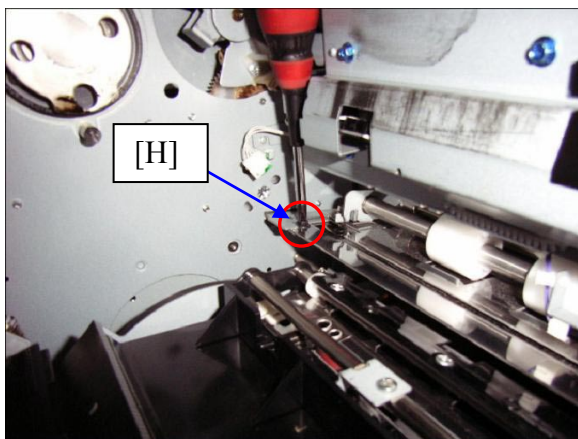
Date: 24-Oct-08

No: R-C262-018

7. Remove the black screw [F].

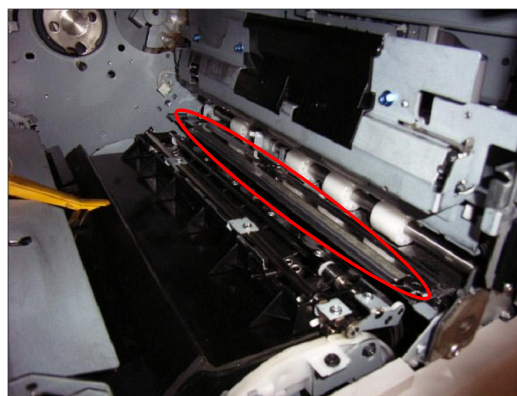


8. Install the paper feed guide plate (C2362927).



Important:

- 1) Tighten the screw [G] (operation side) first, and then tighten the screw [H] (non-operation side). If you do not, the guide plate might be bent.
- 2) Make sure to install the guide plate in the correct direction.



9. Install the back 1st drum master sensor bracket.

Model: PRIPORT EMERALD/TOPAZ

Date: 24-Oct-08

No: R-C262-018

CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD700	120/60	North America	C262-11	F738110000
Ges CP6346, Rex CP6346, Nsa CP6346	230/50	Europe, Asia	C262-22	F748110000
Ricoh HQ9000	230/50	Europe, Asia	C262-27	F758110000
Ricoh HQ9000, Ges CP6346, Savin 3590DNP, Lanier LDD280	120/60	North America, Latin America	C262-52	F768110000
Standard SD460	120/60	North America	C265-11	F998110000
Ges CP6334, Rex CP6334, Nsa CP6334	230/50	Europe, Asia	C265-22	F978110000
Ricoh HQ7000	230/50	Europe, Asia	C265-27	F968110000
Ricoh HQ7000, Ges CP6334, Savin 3580DNP, Lanier LDD250	120/60	North America, Latin America	C265-52	F988110000

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Dec-08	No.: RC262019
Subject: Drive Harness		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ()	<input type="checkbox"/> Tier 2

SYMPTOM

A paper feed jam occurs, but there is no jammed paper remaining in the machine.

CAUSE

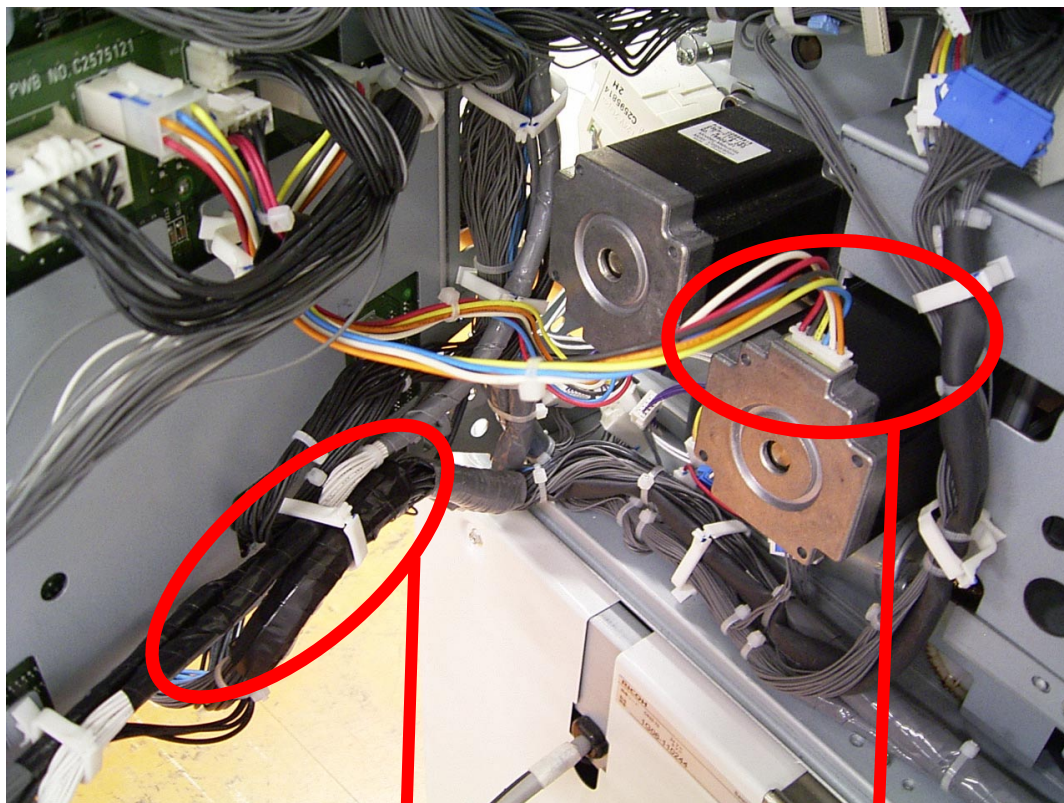
The covers of the harnesses around the registration motor are damaged, which triggers a short circuit.

SOLUTION

Production line:

- The registration motor is now attached in a different direction so that the harness connector is at the top (180 degrees from its current position).
- Tape was added to the harness to further protect the harness.

See [MB #MC262018](#) for service parts information.



Tape was added

Motor harness connector is now located on top

Model: PRIPORT EMERALD/TOPAZ		Date: 02-Feb-09	No.: RC262020
Subject: Master Eject Jam		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

SYMPTOM

Master eject jam

CAUSE

The master becomes tangled near the master eject rollers.

SOLUTION

Covers have been added for the master eject rollers.

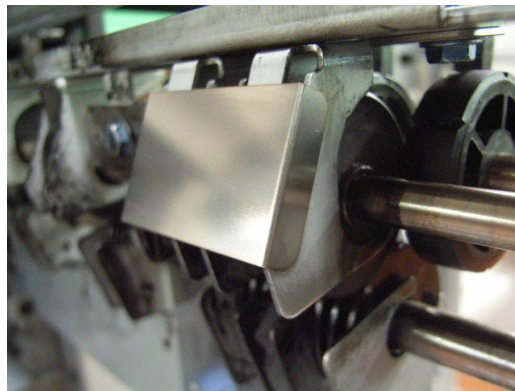
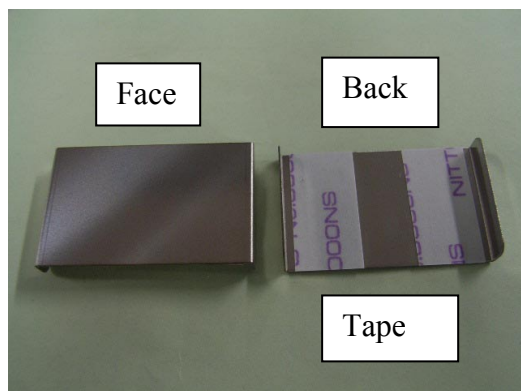
In the field:

Attach the new covers (P/N C2653620).

For parts information, see MB #MC262020.

For the attachment procedure, see below.

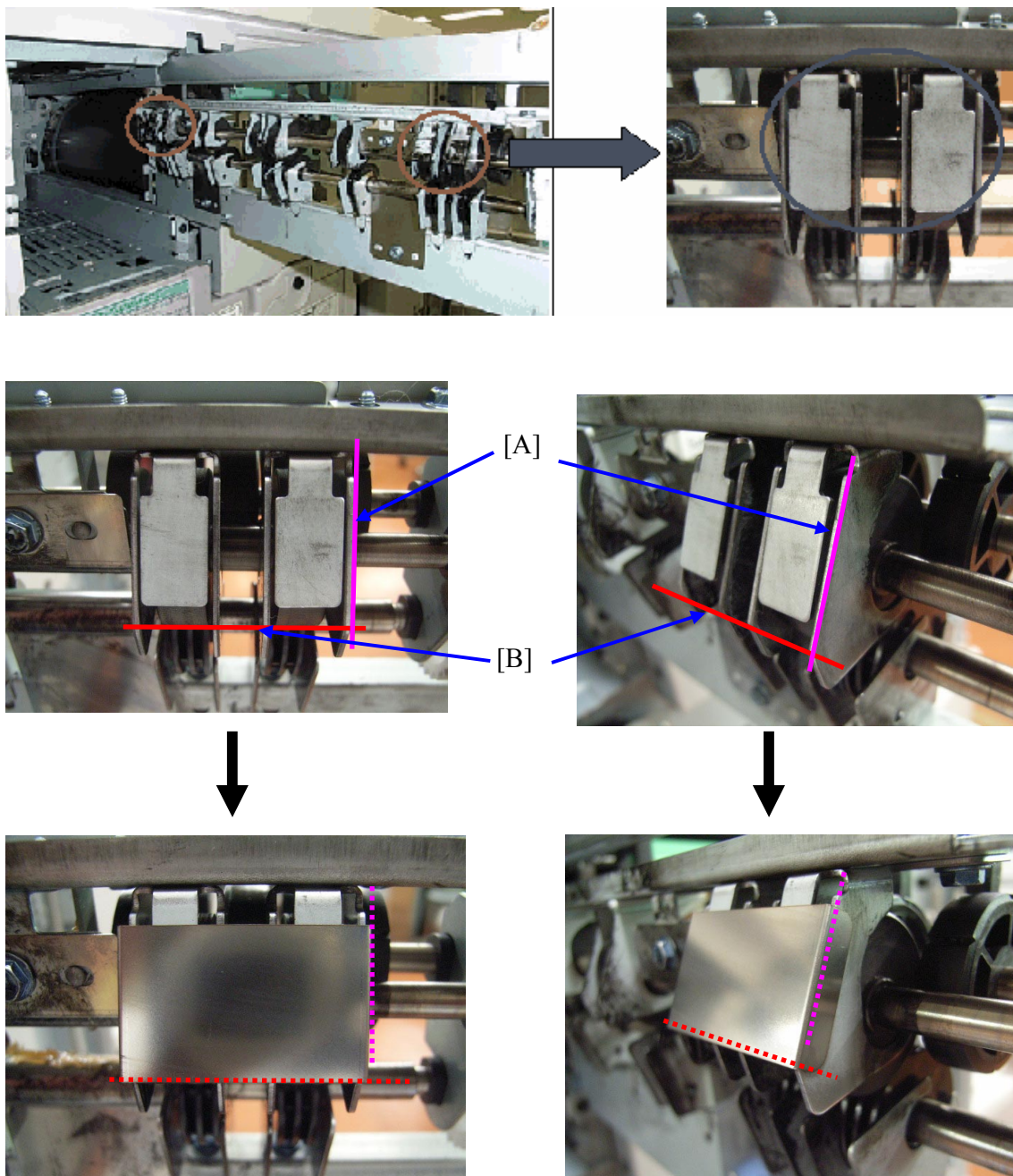
Covers



Attachment Procedure

Attach the two covers to the two surfaces circled in the photos below.

Important: Align the edges of the covers with lines [A] and [B].



Reissued:28-Jan-09

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001f
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
3.02	C2625174H	January 2009 production
2.13	C2625174G	April 2008 production
2.12	C2625174F	June 2007 production
2.10	C2625174E	April 2007 production
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.
2.10	Other changes: 1. The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. 2. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"

Reissued:28-Jan-09

Version	Symptom Corrected
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> 1. Supports the China model. 2. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
3.02	C2655174H	January 2009 production
2.13	C2655174G	April 2008 production
2.12	C2655174F	June 2007 production
2.10	C2655174E	April 2007 production
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.

Reissued:28-Jan-09

Version	Symptom Corrected
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued:04-Apr-09

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001g
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
3.03	C2625174J	March 2009 production
3.02	C2625174H	January 2009 production
2.13	C2625174G	April 2008 production
2.12	C2625174F	June 2007 production
2.10	C2625174E	April 2007 production
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
3.03	Firmware modified to support the new model in China.
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.

Reissued:04-Apr-09

Version	Symptom Corrected
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> Supports the China model. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Topaz

Version	Program No.	Effective Date
3.02	C2655174H	January 2009 production
2.13	C2655174G	April 2008 production
2.12	C2655174F	June 2007 production
2.10	C2655174E	April 2007 production
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.
2.10	Other changes: 1. The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. 2. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	Other changes: 1. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.
2.02	IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set. - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. Note: See RTB RC262007 for details on the SP modes above.
1.01	1st Mass Production

Reissued:30-Apr-09

Model: PRIPORT EMERALD/TOPAZ	Date: 9-Apr-09	No.: RC262021a
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RTB Reissue

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

Subject: Touch panel problem		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

SYMPTOM

- ***The panel does not respond at all, or***
- ***The positions of the buttons shift (even after performing calibration)***

Affected Machines

This symptom may occur on the following machines:

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD700	120/60	North America	C262-11	Mass production ~ F7381100001
Ges CP6346, Rex CP6346, Nsa CP6346	230/50	Europe, Asia	C262-22	Mass production ~ F7481100008
Ricoh HQ9000	230/50	China	C262-26	Mass production ~N4481100004
Ricoh HQ9000	230/50	Europe, Asia	C262-27	Mass production ~ F7581100027
Ges CP6346,	230/50	China	C262-28	Mass production ~N4580900002
Ricoh HQ9000, Ges CP6346, Savin 3590DNP, Lanier LDD280	120/60	North America, Latin America	C262-52	Mass production ~ F7681100002
Standard SD460	120/60	North America	C265-11	Mass production ~ F9981000001
Ges CP6334, Rex CP6334, Nsa CP6334	230/50	Europe, Asia	C265-22	Mass production ~ F9781000008
Ricoh HQ7000	230/50	Europe, Asia	C265-27	Mass production ~ F9681100007
Ricoh HQ7000, Ges CP6334, Savin 3580DNP, Lanier LDD250	120/60	North America, Latin America	C265-52	Mass production ~ F9881100007

CAUSE

The adhesive that binds electrodes to the touch panel surface contains a polymer that tends to expand under normal office environmental conditions.

SOLUTION

In the field: Replace the touch panel with the new service parts listed below (**see the procedure on the next page**).

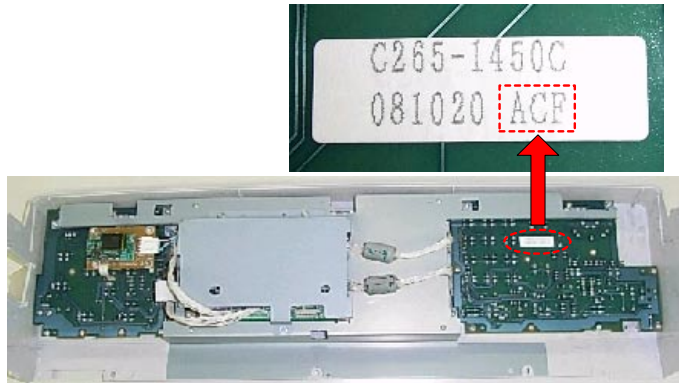
Service parts: The adhesive was changed to one that will not expand under normal office environmental conditions.

Old Part Number	New Part Number	
B2135222	H3109900	TOUCH PANEL:HVGA:FU-ACF

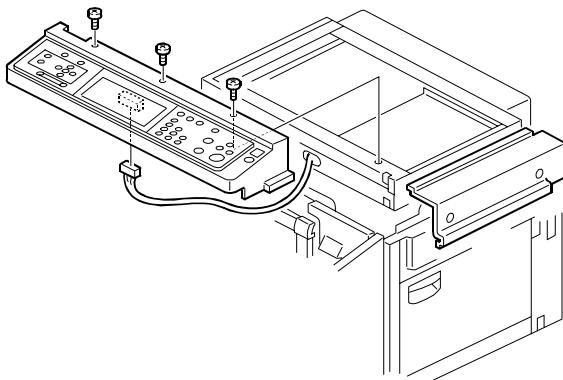
Touch Panel Replacement Procedure

1. Check the label on the operation panel. If “ACF” is printed on the label, **do not do this procedure.**

Note: Operation panels with “ACF” printed on the label (P/N H3106173) already have the modified touch panel attached.

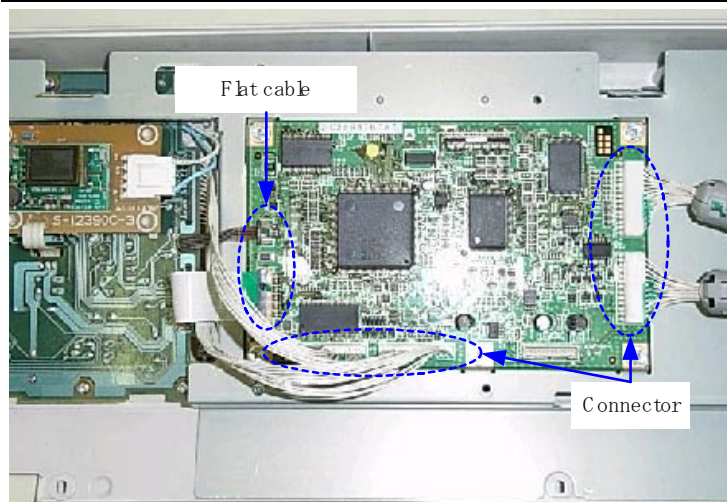


2. If “ACF” does not appear on the label, remove the operation panel (6 screws, 1 connector).

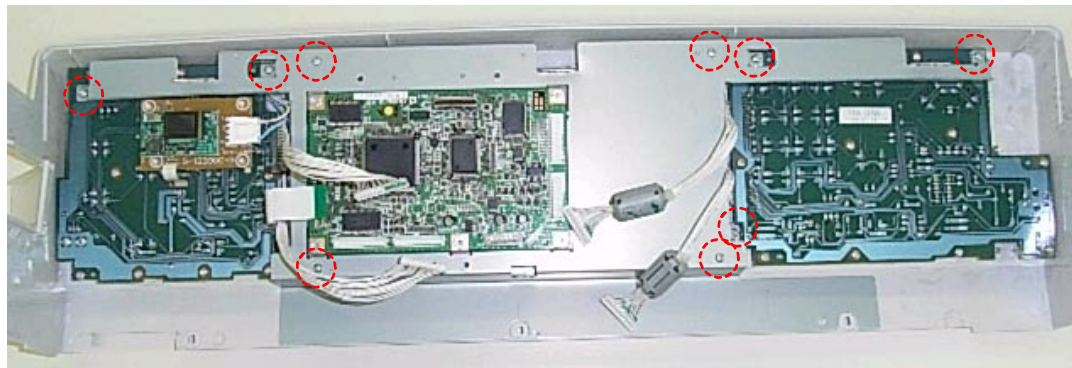


3. Remove the operation panel board (4 connectors, 2 flat cable connectors).

Important: To remove the flat cable connectors, slide the connector to the left and detach.

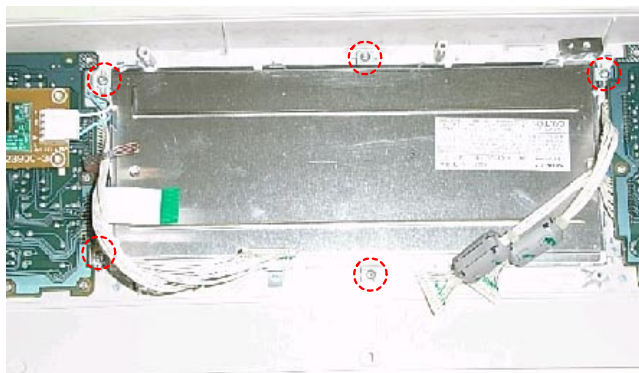


4. Remove the operation panel cover (9 screws).



5. Remove the LCD (5 screws).

Note: The LCD cannot be completely separated from the operation panel. (There is a connector on the left side of the LCD, which is attached to the operation panel).



Model: PRIPORT EMERALD/TOPAZ

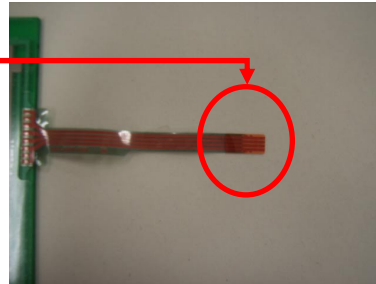
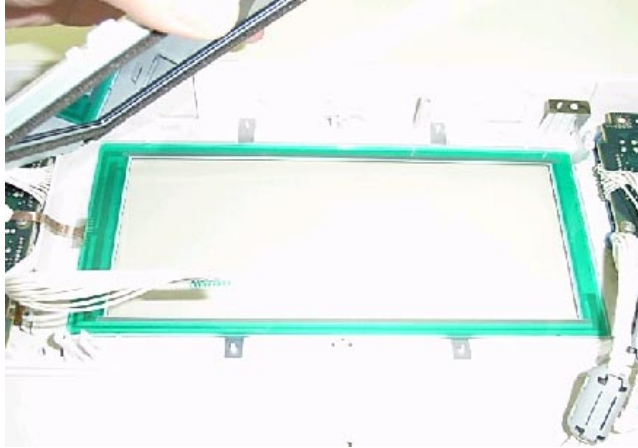
Date: 9-Apr-09

No.: RC262021

6. Remove the touch panel from the LCD and replace the touch panel.

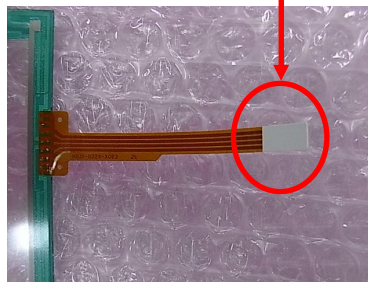
Important: Only replace the touch panel. Do not replace the LCD.

Note: The end of the new touch panel harness is **white**.



Old: B2135222

The end of the harness is brown



New: H3106173

The end of the harness is white.

7. Re-assemble the operation panel in the reverse order of the steps above.
8. Do the Touch Panel Position Adjustment, and then make sure the touch panel works correctly.

Touch Panel Position Adjustment

Note: Do not use items [2] to [9] on the Self-Diagnostic Menu. These items are for design use only.

1. Press [Clear mode], press [1] [9] [9] [3], press [Clear] 5 times to open the Self-Diagnostics menu.
2. On the touch screen press "Touch Screen Adjust" (or press o).
3. Use a pointed (not sharp) tool to press the upper left mark .
4. Press the lower right mark when " " shows.
5. Touch a few spots on the touch panel to make sure that the marker "+" shows exactly where the screen is touched.
6. Press Cancel. Then start from Step 2 again if the "+" mark does not show where the screen is touched.
7. Press [#] OK on the screen (or press #) when you are finished.
8. Touch [#] Exit on the screen to close the Self-Diagnostic menu. Save the calibration settings.

Reissued:21-Jul-09

Model: EM/TZ		Date: 25-May-09	No.: RC262022a
Subject: Master eject jam		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Product Safety <input type="checkbox"/> Other () <input type="checkbox"/> Tier 2		

RTB Reissue

The parts in ***bold/italics*** were added.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2443457	C2653475	GUIDE:UPPER REAR:LEFT	2	X/O as set	77	43	
C2443459	C2653476	GUIDE:UPPER REAR:RIGHT	1		77	44	
C2443615	C2653616	GUIDE:UPPER FRONT	1		77	24	
C2653620	C2653623	GUIDE:MASTER EJECTION	2		77	47	
	03530040N	SCREW - M3X4	4		77	107*	
<i>C2653400</i>	<i>C2653403</i>	<i>TRANSPORT UNIT:MASTER EJECTION:ASS'Y</i>	<i>1</i>	<i>X/O</i>	<i>77</i>	<i>34</i>	
<i>C2573450</i>	<i>C2653449</i>	<i>TRANSPORT ROLLER:MASTER EJECTION:ASS'Y</i>	<i>1</i>	<i>X/O</i>	<i>77</i>	<i>35</i>	

Change: The attachment method for the master eject roller cover was changed from double-sided tape to screws.

Reason: To ensure that the cover is attached more securely.

Cut in Serial Numbers

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD700	120/60	North America	C262-11	F7390300001~
Ges CP6346, Rex CP6346, Nsa CP6346	230/50	Europe, Asia	C262-22	F7490300001~
Ricoh HQ9000	230/50	China	C262-26	N4490300001~
Ricoh HQ9000	230/50	Europe, Asia	C262-27	F7590400001~
Ges CP6346,	230/50	China	C262-28	N4590300001~
Ricoh HQ9000, Ges CP6346, Savin 3590DNP, Lanier LDD280	120/60	North America, Latin America	C262-52	F7690300001~
Standard SD460	120/60	North America	C265-11	F9990300001~
Ges CP6334, Rex CP6334, Nsa CP6334	230/50	Europe, Asia	C265-22	F9790300001~
Ricoh HQ7000	230/50	Europe, Asia	C265-27	F9690400001~
Ricoh HQ7000, Ges CP6334, Savin 3580DNP, Lanier LDD250	120/60	North America, Latin America	C265-52	F9890300001~

Reissued:21-Jul-09

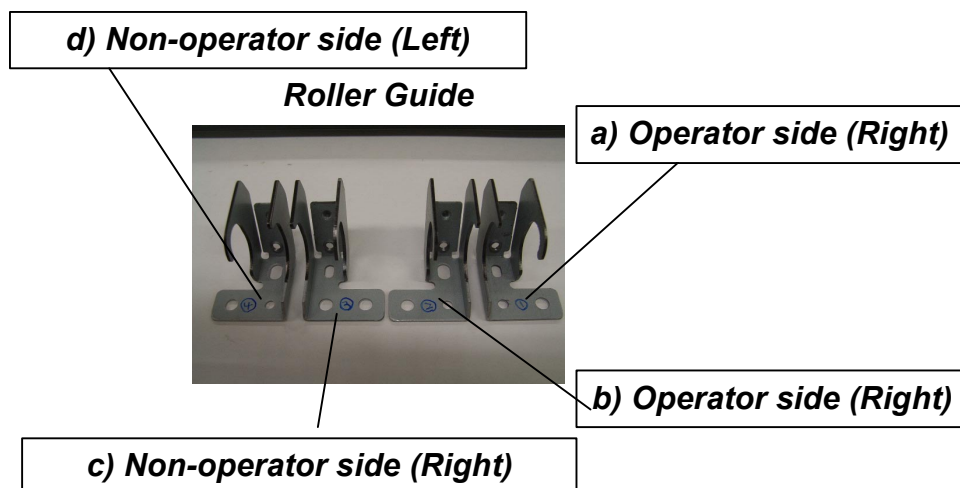
Model: EM/TZ

Date: 25-May-09

No.: RC262022a

Replacement Procedure

Replacement Parts:



Roller Covers



Reissued:21-Jul-09

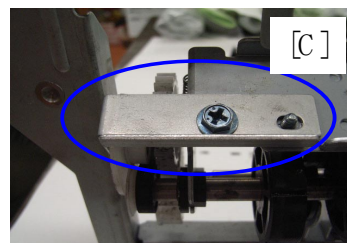
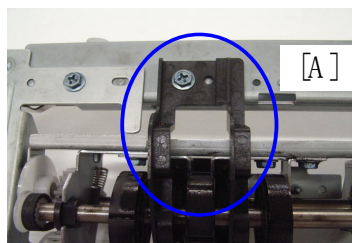
Model: EM/TZ

Date: 25-May-09

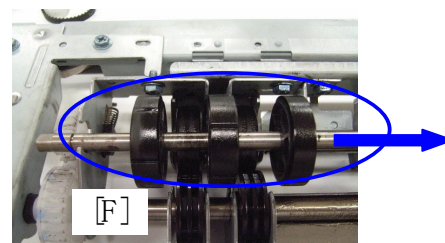
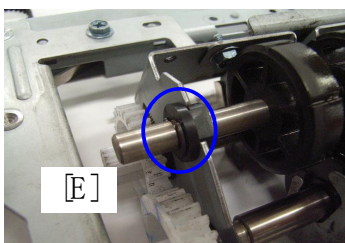
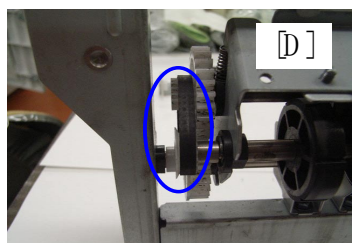
No.: RC262022a

Procedure:

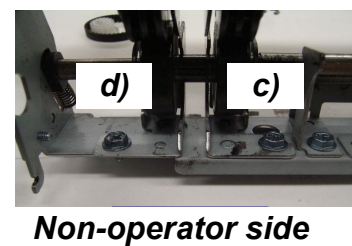
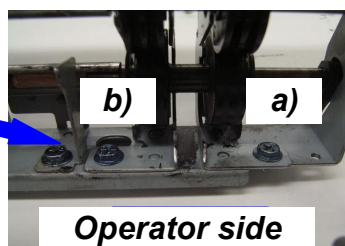
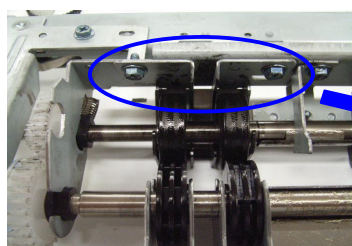
1. Remove the bracket [A].
2. Remove the spring [B].
3. Remove the tension bracket [C].



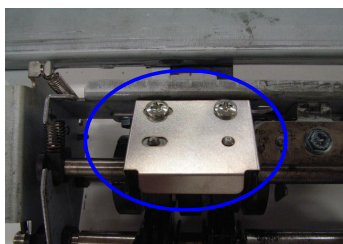
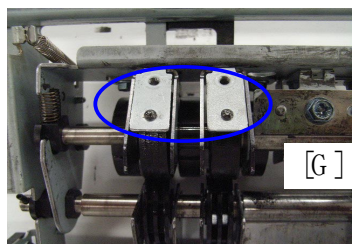
4. Remove the belt [D].
5. Remove the e-ring and shaft [E].
6. Remove the roller (slide the roller to the right).



7. Replace the roller guides a), b), c) and d)
8. Reattach all the removed parts.



9. Attach the Roller Covers



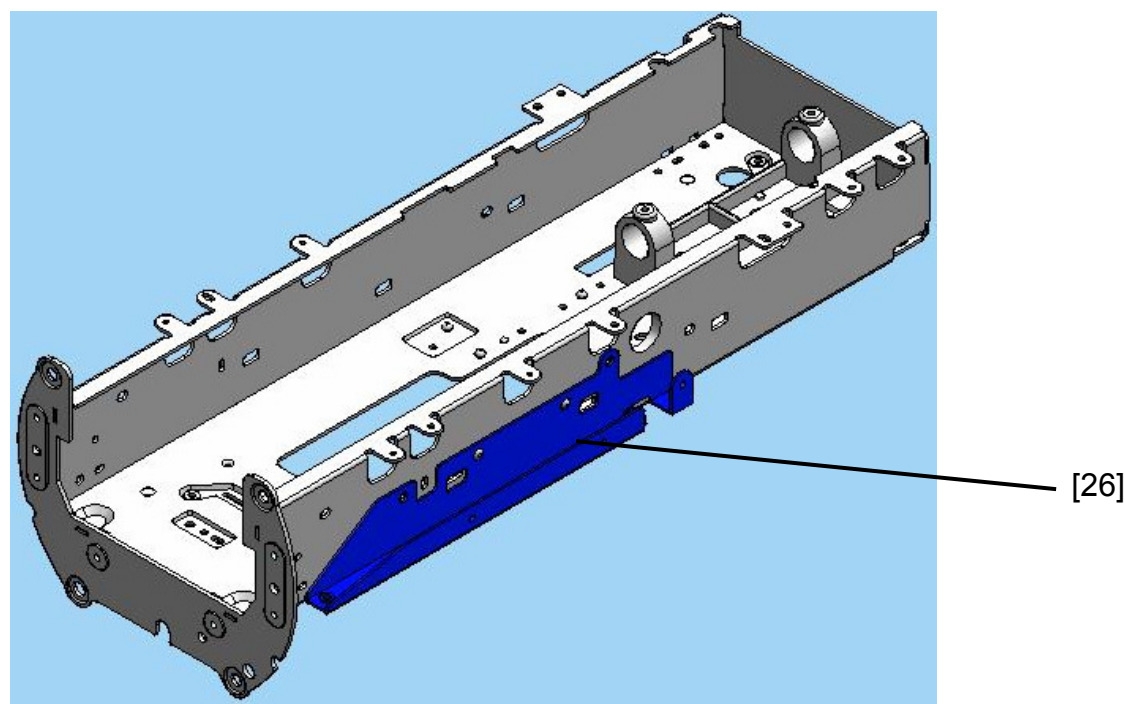
Model: EM/TZ		Date: 14-Sep-09	No.: RC262023
Subject: Drum frame		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2442541	C2652539	FRAME:DRUM:ASS'Y	1	X/O as set	51	8	
C2292369	C2652549	PIN:BALL BEARING	1		53	9	
C2292371	C2652550	PIN:BALL BEARING:LEFT LOWER	1		53	14	
-	C2652547	BRACKET:HARNESS	1		53	26*	
-	09544006Z	SCREW - M4X6	2		53	111*	
03540120N	03540100N	SCREW - M4X10	1		51	101	

Change:

- 1) The material of the drum frame was changed.
- 2) As a result, the shapes of the frame and pins were changed and
- 3) A harness bracket was added.

Reason: To further increase the reliability of the drum frame.



Reissued: 05-Oct-09

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003g
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
<i>1.19</i>	<i>C2625116A</i>	<i>October 2009 production</i>
1.17	C2625114G	November 2008 production
1.16	C2625114F	December 2007 production
1.15	C2625114E	June 2007 production
1.13	C2625114D	April 2007 production
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Reissued: 05-Oct-09

Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003g
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Version	Symptom Corrected																																																							
1.19	Symptom corrected: SC314 occurs when the machine recovers from an error.																																																							
1.17	Other changes: The default values of the following SP modes were changed: <table><tr><td>SP6-22</td><td>Regist Roller Delay-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>SP6-29</td><td>P Clamp Timing Pulse-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr><tr><td>7</td><td>120 rpm</td><td>202</td><td>194</td></tr></table> Note: These changes apply only to machines produced for RAC and RE.				SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193	7	120 rpm	202	194
SP6-22	Regist Roller Delay-Special	Default	Setting																																																					
3	60 rpm	35	34																																																					
4	75 rpm	33	32																																																					
5	90 rpm	28	27																																																					
6	105 rpm	24	22																																																					
7	120 rpm	18	16																																																					
SP6-29	P Clamp Timing Pulse-Special	Default	Setting																																																					
3	60 rpm	199	193																																																					
4	75 rpm	200	194																																																					
5	90 rpm	200	194																																																					
6	105 rpm	201	193																																																					
7	120 rpm	202	194																																																					
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).																																																							
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).																																																							
1.13	(Version change only, in conjunction with the version change of the Topaz software).																																																							
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.																																																							
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.																																																							
1.00	1st Mass Production																																																							

Reissued: 05-Oct-09

Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003g
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Topaz

Version	Program No.	Effective Date
1.19	C2655116A	October 2009 production
1.17	C2655114F	November 2008 production
1.16	C2655114E	December 2007 productions
1.15	C2655114D	June 2007 production
1.13	C2655114C	April 2007 production
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected																																																				
1.19	Symptom corrected: SC314 occurs when the machine recovers from an error.																																																				
1.17	<p>Other changes:</p> <p>The default values of the following SP modes were changed:</p> <table><tr><th>SP6-22</th><th>Regist Roller Delay-Special</th><th>Default</th><th>Setting</th></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><th>SP6-29</th><th>P Clamp Timing Pulse-Special</th><th>Default</th><th>Setting</th></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr><tr><td>7</td><td>120 rpm</td><td>202</td><td>194</td></tr></table> <p>Note: These changes apply only to machines produced for RAC and RE.</p>	SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193	7	120 rpm	202	194
SP6-22	Regist Roller Delay-Special	Default	Setting																																																		
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1.16	<p>Symptom corrected:</p> <p>An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p>																																																				

Reissued: 05-Oct-09

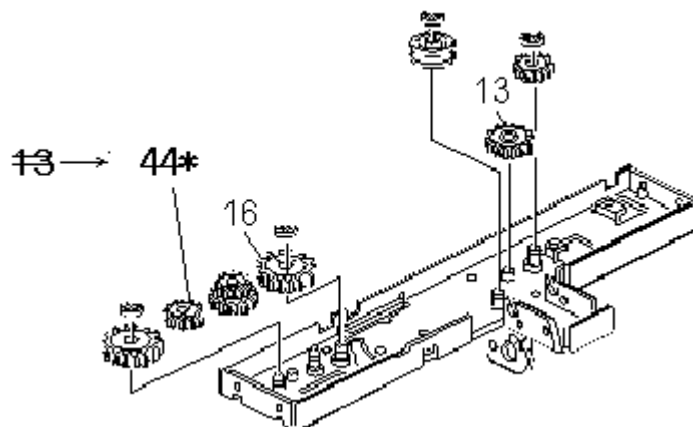
Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003g
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Version	Symptom Corrected
1.15	Symptom corrected: <ol style="list-style-type: none">1. An A4 cut master wraps around the master eject roller.2. Master cutting error misdetection (new firmware: detection timing changed).3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed).4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).
1.13	Symptom corrected: Black lines are visible on the printouts (occurrences are rare).
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.
1.09	Other changes: <ul style="list-style-type: none">- The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.01	1st Mass Production

Model: EM/TZ		Date: 08-Dec-09	No.: RC262024
Subject: Parts number correction - Paper Feed Section		Prepared by: K. Yamamoto	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Product Safety <input type="checkbox"/> Other () <input type="checkbox"/> Tier 2		

Change/Reason: These part numbers in the parts catalog are corrected.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
H5194357	C2362862	GEAR - 32Z/14Z	1	-	27	16	
-	H5194357	GEAR:IDLER:26Z	1	-	27	44*	



Reissued: 18-Dec-09

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001h
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
3.07	C2625174K	January 2010 production
3.03	C2625174J	March 2009 production
3.02	C2625174H	January 2009 production
2.13	C2625174G	April 2008 production
2.12	C2625174F	June 2007 production
2.10	C2625174E	April 2007 production
2.07	C2625174D	November 2006 production
2.02	C2625174C	April 2006 production
1.01	C2625174A	1 st Mass production

Version	Symptom Corrected
3.07	Symptom corrected: The master sometimes wraps around the master eject roller. IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ECU firmware to ver1.21 (C2625116B) or newer.
3.03	Firmware modified to support the new model in China.
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.

Reissued: 18-Dec-09

Version	Symptom Corrected
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> Supports the China model. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 18-Dec-09

Model: PRIPORT EMERALD/TOPAZ	Date: 26-Apr-06	No: R-C262-001h
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Topaz

Version	Program No.	Effective Date
3.07	C2655174J	January 2010 production
3.02	C2655174H	January 2009 production
2.13	C2655174G	April 2008 production
2.12	C2655174F	June 2007 production
2.10	C2655174E	April 2007 production
2.07	C2655174D	November 2006 production
2.02	C2655174C	April 2006 production
1.01	C2655174A	1 st Mass production

Version	Symptom Corrected
3.07	<p>Symptom corrected: <i>The master sometimes wraps around the master eject roller.</i></p> <p>IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ECU firmware to ver1.21 (C2655116B) or newer.</p>
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.
2.10	<p>Other changes:</p> <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	<p>Other changes:</p> <ol style="list-style-type: none"> New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. <p>SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.</p>

Reissued: 18-Dec-09

Version	Symptom Corrected
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, <ol style="list-style-type: none"> 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 18-Dec-09

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003h
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date
<i>1.21</i>	<i>C2625116B</i>	<i>January 2010 production</i>
1.19	C2625116A	October 2009 production
1.17	C2625114G	November 2008 production
1.16	C2625114F	December 2007 production
1.15	C2625114E	June 2007 production
1.13	C2625114D	April 2007 production
1.12	C2625114C	November 2006 production
1.09	C2625114B	April 2006 production
1.00	C2625114A	1st Mass Production

Reissued: 18-Dec-09

Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003h
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Version	Symptom Corrected																																																				
1.21	<p>Symptom corrected: <i>The master sometimes wraps around the master eject roller.</i></p> <p>IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.07 (C2625174K) or newer.</p>																																																				
1.19	<p>Symptom corrected:</p> <p>SC314 occurs when the machine recovers from an error.</p>																																																				
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SP6-22	Regist Roller Delay-Special	Default	Setting																																																		
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1.13	(Version change only, in conjunction with the version change of the Topaz software).																																																				
1.12	<p>Symptom corrected:</p> <p>The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.</p>																																																				

Reissued: 18-Dec-09

Version	Symptom Corrected
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.00	1st Mass Production

Reissued: 18-Dec-09

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003h
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Topaz

Version	Program No.	Effective Date
1.21	C2655116B	January 2010 production
1.19	C2655116A	October 2009 production
1.17	C2655114F	November 2008 production
1.16	C2655114E	December 2007 productions
1.15	C2655114D	June 2007 production
1.13	C2655114C	April 2007 production
1.12	C2655114B	November 2006 production
1.09	C2655114A	April 2006 production
1.01	C2655114	1st Mass Production

Version	Symptom Corrected																																																				
1.21	Symptom corrected: <i>The master sometimes wraps around the master eject roller.</i> IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.07 (C2655174J) or newer.																																																				
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SP6-22	Regist Roller Delay-Special	Default	Setting																																																		
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1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed).																																																				

Reissued: 18-Dec-09

Version	Symptom Corrected
	<p>3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed).</p> <p>4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).</p>
1.13	<p>Symptom corrected: Black lines are visible on the printouts (occurrences are rare).</p>
1.12	<p>Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.</p>
1.09	<p>Other changes:</p> <ul style="list-style-type: none"> - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). <p>Important: To apply these changes, you also need to update the ACU firmware to ver2.02.</p>
1.01	1st Mass Production

Model: P EM/TZ		Date: 30-Nov-10	No.: RC262025
Subject: New safety standard - PSU		Prepared by: K. Yamamoto	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2575216	C2575213	HARNESS:MAIN SWITCH:ASS'Y	1	X/O as a set	13	3	
C2595300	C2595301	DC POWER SUPPLY: MAIN: ASS'Y	1		85	8	
C2625275	C2625284	HARNESS:DC DRIVE:ASS'Y	1		85	9	

Change: The material of the PCU was changed.

Reason: To comply with new product safety standards in the EU market.

Important: Use the old parts for machines produced before the serial numbers below.
This is because the harnesses are difficult to replace.

Cut in Serial Numbers

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD700	120/60	North America	C262-11	F7300700001
Ges CP6346, Rex CP6346, Nsa CP6346	230/50	Europe, Asia	C262-22	F7400800001
Ricoh HQ9000	230/50	China	C262-26	N4400700001
Ricoh HQ9000	230/50	Europe, Asia	C262-27	F7500700001
Ges CP6346	230/50	China	C262-28	N4500700001
Ricoh HQ9000, Ges CP6346, Savin 3590DNP, Lanier LDD280	120/60	North America, Latin America	C262-52	F7600900001
Standard SD460	120/60	North America	C265-11	F9900900001
Ges CP6334, Rex CP6334, Nsa CP6334	230/50	Europe, Asia	C265-22	F9700700001
Ricoh HQ7000	230/50	Europe, Asia	C265-27	F9600700001
Ricoh HQ7000, Ges CP6334, Savin 3580DNP, Lanier LDD250	120/60	North America, Latin America	C265-52	F9800800001

Model: P EM/TZ RTB		Date: 05-Jan-11	No.: RC262026
Subject: Service manual correction		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Service Manual Correction:

Please correct your service manual as follows.

Page 3-95

Description for Double Feed Sensor Adjustment

Incorrect:

4. Turn VR101 [B] counterclockwise until both LED 101 [C] and LED 102 [D] turn on.

Correct:

4. Turn VR101 [B] **clockwise** until both LED 101 [C] and LED 102 [D] turn on.

Reissued: 24-Mar-11

Model: PRIPORT EMERALD/TOPAZ		Date: 26-Apr-06	No: R-C262-001i
Subject: Firmware Release History (ACU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name: EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB contains the software release information for the ACU.

Note: The ACU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date	Availability of RFU
3.10	C2625174L	April 2011 production	Not available
3.07	C2625174K	January 2010 production	Not available
3.03	C2625174J	March 2009 production	Not available
3.02	C2625174H	January 2009 production	Not available
2.13	C2625174G	April 2008 production	Not available
2.12	C2625174F	June 2007 production	Not available
2.10	C2625174E	April 2007 production	Not available
2.07	C2625174D	November 2006 production	Not available
2.02	C2625174C	April 2006 production	Not available
1.01	C2625174A	1 st Mass production	Not available

Note: Definition of Availability of RFU
“Available”: The firmware can be updated via RFU or SD card.

“Not available”: The firmware can only be updated via SD card.

Version	Symptom Corrected
3.10	Minor bug correction.
3.07	Symptom corrected: The master sometimes wraps around the master eject roller. IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ECU firmware to ver1.21 (C2625116B) or newer.
3.03	Firmware modified to support the new model in China.

Reissued: 24-Mar-11

Version	Symptom Corrected
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.
2.10	Other changes: <ol style="list-style-type: none"> The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"
2.07	Other changes: <ol style="list-style-type: none"> Supports the China model. New SP modes were added: SP2-5-18: Economy Mode 1 Down Limit-Color SP2-5-19: Economy Mode 3 Down Limit-Color Note: These SP modes adjust the energy pulse for color jobs in Economy Mode. SP2-6-50 to 82: Master Slippage Adjustment Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamper. For details, see RTB RC262009.
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, <ol style="list-style-type: none"> 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from –5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 24-Mar-11

Topaz

Version	Program No.	Effective Date	Availability of RFU
3.10	C2655174K	April 2011 production	Not available
3.07	C2655174J	January 2010 production	Not available
3.02	C2655174H	January 2009 production	Not available
2.13	C2655174G	April 2008 production	Not available
2.12	C2655174F	June 2007 production	Not available
2.10	C2655174E	April 2007 production	Not available
2.07	C2655174D	November 2006 production	Not available
2.02	C2655174C	April 2006 production	Not available
1.01	C2655174A	1 st Mass production	Not available

Note: Definition of Availability of RFU

“Available”: The firmware can be updated via RFU or SD card.

“Not available”: The firmware can only be updated via SD card.

Version	Symptom Corrected
3.10	Minor bug correction.
3.07	Symptom corrected: The master sometimes wraps around the master eject roller. IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ECU firmware to ver1.21 (C2655116B) or newer.
3.02	Other changes: Supports the new Wireless LAN card (802.11a/g).
2.13	Other changes: Supports the new HDD.
2.12	Other changes: Supports @Remote.
2.10	Other changes: 1. The machine will enter Energy Saver mode if this timing occurs while "Enter the key card" is displayed on the LCD. Note: Previously, the machine would not enter Energy Saver mode while displaying this message. This message is displayed when the machine cannot recognize the key card. 2. The names of the following SP modes were corrected: SP5-10-1 Master Feed Motor => "Master Feed Control Motor" SP5-10-4 Master Feed Cont Motor-Forward => "Master Feed Motor - Forward" SP5-10-5 Master Feed Cont Motor-Reverse => "Master Feed Motor – Reverse"

Reissued: 24-Mar-11

Version	Symptom Corrected
2.07	<p>Other changes:</p> <p>1. New SP modes were added:</p> <p>SP2-5-18: Economy Mode 1 Down Limit-Color</p> <p>SP2-5-19: Economy Mode 3 Down Limit-Color</p> <p>Note: These SP modes adjust the energy pulse for color jobs in Economy Mode.</p> <p>SP2-6-50 to 82: Master Slippage Adjustment</p> <p>Note: This SP mode adjusts the paper feed timing to compensate for slippage of the master during printing. This is not to correct the master coming out of the master clamber. For details, see RTB RC262009.</p>
2.02	<p>IMPORTANT: To apply the changes below, install this firmware version with ECU firmware ver 1.09 together as a set.</p> <ul style="list-style-type: none"> - Japanese can be used as the display language. Note: When you use the Japanese display language, 1) the text on the configuration page is garbled, and 2) only English can be used for file names and other items programmed from the operation panel. - The default setting for SP6-7 (Drum Master Length Adjustment) was changed from -5 to 5mm. - SP6-8-1 (Ink Detection Pulse) was newly added. - SP6-7-5 (A4 cut) was newly added. -SP2-6-30/31 (Master Compression Time A3/DLT /Master Compression Time A4) was newly added. <p>Note: See RTB RC262007 for details on the SP modes above.</p>
1.01	1st Mass Production

Reissued: 05-Apr-11

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003i
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name:			
EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date	Availability of RFU
<i>1.22</i>	<i>C2625116C</i>	<i>April 2011 production</i>	<i>Not available</i>
1.21	C2625116B	January 2010 production	Not available
1.19	C2625116A	October 2009 production	Not available
1.17	C2625114G	November 2008 production	Not available
1.16	C2625114F	December 2007 production	Not available
1.15	C2625114E	June 2007 production	Not available
1.13	C2625114D	April 2007 production	Not available
1.12	C2625114C	November 2006 production	Not available
1.09	C2625114B	April 2006 production	Not available
1.00	C2625114A	1st Mass Production	Not available

Note: Definition of Availability of RFU

“Available”: The firmware can be updated via RFU or SD card.

“Not available”: The firmware can only be updated via SD card.

Reissued: 05-Apr-11

Model: PRIORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003h
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Version	Symptom Corrected																																																							
1.22	Minor bug correction.																																																							
1.21	Symptom corrected: The master sometimes wraps around the master eject roller. IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.07 (C2625174K) or newer.																																																							
1.19	Symptom corrected: SC314 occurs when the machine recovers from an error.																																																							
1.17	Other changes: The default values of the following SP modes were changed: <table><tr><td>SP6-22</td><td>Regist Roller Delay-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>SP6-29</td><td>P Clamp Timing Pulse-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr><tr><td>7</td><td>120 rpm</td><td>202</td><td>194</td></tr></table> Note: These changes apply only to machines produced for RAC and RE.				SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193	7	120 rpm	202	194
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6	105 rpm	201	193																																																					
7	120 rpm	202	194																																																					
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).																																																							
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).																																																							
1.13	(Version change only, in conjunction with the version change of the Topaz software).																																																							
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.																																																							

Reissued: 05-Apr-11

Version	Symptom Corrected
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.
1.00	1st Mass Production

Reissued: 05-Apr-11

Model: PRIPORT EMERALD/TOPAZ	Date: 12-Apr-06	No: R-C262-003i
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Topaz

Version	Program No.	Effective Date	Availability of RFU
1.22	C2655116C	April 2011 production	Not available
1.21	C2655116B	January 2010 production	Not available
1.19	C2655116A	October 2009 production	Not available
1.17	C2655114F	November 2008 production	Not available
1.16	C2655114E	December 2007 productions	Not available
1.15	C2655114D	June 2007 production	Not available
1.13	C2655114C	April 2007 production	Not available
1.12	C2655114B	November 2006 production	Not available
1.09	C2655114A	April 2006 production	Not available
1.01	C2655114	1st Mass Production	Not available

Note: Definition of Availability of RFU

“Available”: The firmware can be updated via RFU or SD card.

“Not available”: The firmware can only be updated via SD card.

Version	Symptom Corrected																																																				
1.22	Minor bug correction.																																																				
1.21	Symptom corrected: The master sometimes wraps around the master eject roller. IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.07 (C2655174J) or newer.																																																				
1.19	Symptom corrected: SC314 occurs when the machine recovers from an error.																																																				
1.17	Other changes: The default values of the following SP modes were changed: <table><tr><td>SP6-22</td><td>Regist Roller Delay-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>SP6-29</td><td>P Clamp Timing Pulse-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr><tr><td>7</td><td>120 rpm</td><td>202</td><td>194</td></tr></table> Note: These changes apply only to machines produced for RAC and RE.	SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193	7	120 rpm	202	194
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5	90 rpm	200	194																																																		
6	105 rpm	201	193																																																		
7	120 rpm	202	194																																																		

Reissued: 05-Apr-11

Version	Symptom Corrected
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).
1.15	Symptom corrected: <ol style="list-style-type: none"> 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).
1.13	Symptom corrected: Black lines are visible on the printouts (occurrences are rare).
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.
1.09	Other changes: <ul style="list-style-type: none"> - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). <p>Important: To apply these changes, you also need to update the ACU firmware to ver2.02.</p>
1.01	1st Mass Production

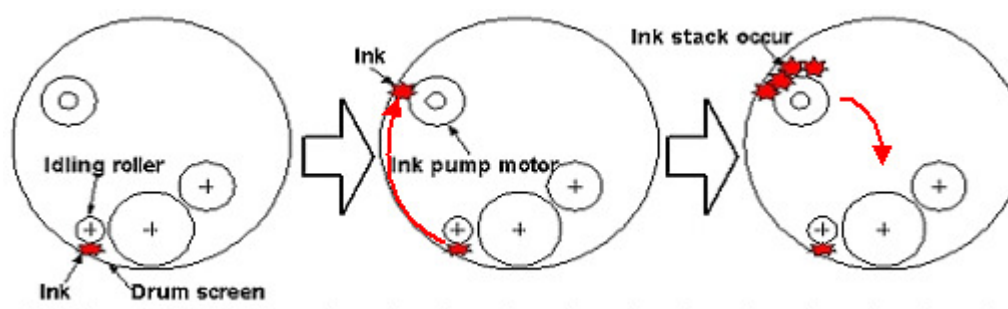
Model: PRIPORT EMERALD/TOPAZ		Date: 26-Oct-11	No.: RC262027
Subject: Ink build up 2		Prepared by: K. Yamamoto	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

SYMPTOM

SC305 (Drum shift motor lock) or SC308 (Ink pump motor lock) occurs.

CAUSE

Lumps of ink build up on the ink pump motor and eventually drop onto the drum and stick to the drum surface.



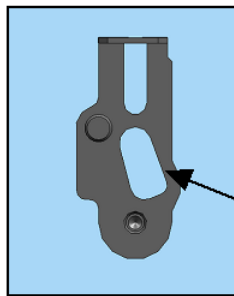
SOLUTION:

- 1) Do the solution described in RTB #RC262017.
- 2) If the symptom still occurs, replace the following brackets as a set:

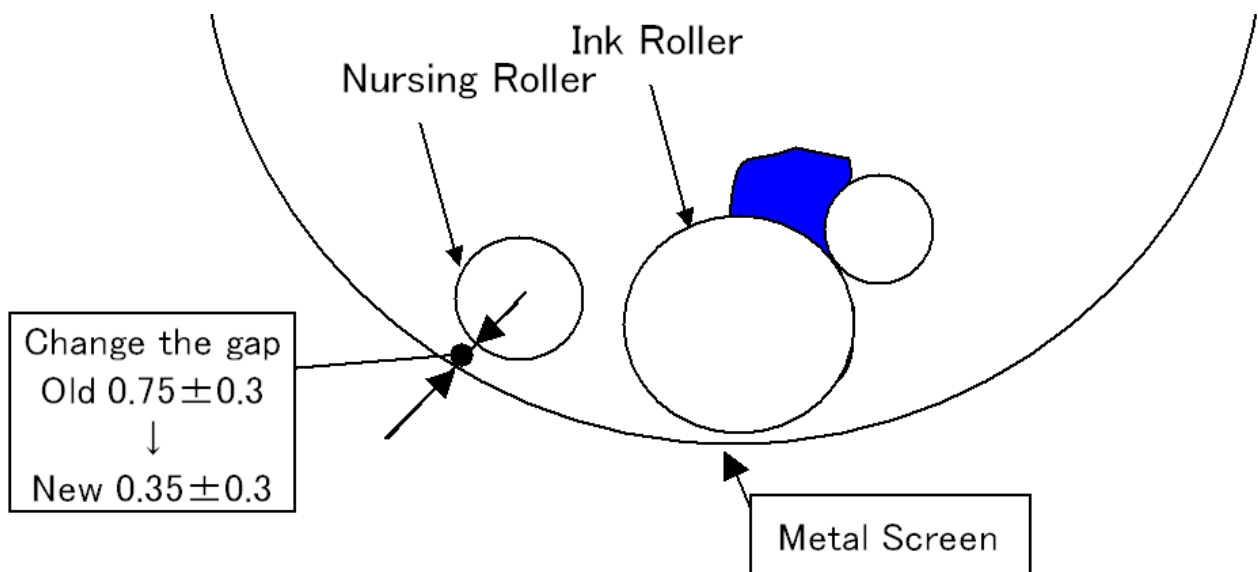
Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2622573	C2622577	SIDE PLATE:OIL SUPPLY ROLLER:INK:REAR:ASS'Y	1	X/O as set	55	17	
C2622570	C2622575	SIDE PLATE:OIL SUPPLY ROLLER:INK:FRONT:ASS'Y	1		55	9	

Change: The shape of the bracket holes was changed, so that the gap between the metal screen and nursing roller is decreased (the nursing roller rotates with the screen).

Reason: To ensure that the ink is applied more smoothly and does not build up on the roller.



The shape of hole is changed



Model: P EM/TZ RTB		Date: 18-Apr-12	No.: RC262028
Subject: MAC Address Change Notification		Prepared by: K. Yamamoto	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ()	<input type="checkbox"/> Tier 2

MAC Address Change Notification

Overview:

- The number of available MAC address codes used on Ricoh Priport has been depleted. Therefore, a new vendor code has been assigned to all affected models.
- The part number of the PCB used on the Emerald was changed as follows:

Old Mac address Part Number	New Mac address Part Number	Description	I/C
C2625170	C2625171	PCB: ACU: FROM: EXP: ASS'Y	O/O

New Mac address affected:

Produced after November 2011

Reissued: 03-Sep-12

Model: PRIPORT EMERALD/TOPAZ		Date: 12-Apr-06	No: R-C262-003j
Subject: Firmware Release History (ECU)		Prepared by: K. Yamamoto, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name:			
EMERALD: Ricoh HQ9000, Gestetner CP6346, RexRotary CP6346, nashuatec CP6346, Savin 3590DNP, Standard SD700, Lanier LDD280 TOPAZ: Ricoh HQ7000, Gestetner CP6334, RexRotary CP6334, nashuatec CP6334, Savin 3580DNP, Standard SD460, Lanier LDD250			

RTB Reissue

The items in bold italics have been added.

This RTB has been issued to announce the firmware release information for the ECU.

Note: The ECU firmware for the Emerald and Topaz are different.

Emerald

Version	Program No.	Effective Date	Availability of RFU
<i>1.24</i>	<i>C2625116D</i>	<i>June 2012 production</i>	<i>Not available</i>
1.22	C2625116C	April 2011 production	Not available
1.21	C2625116B	January 2010 production	Not available
1.19	C2625116A	October 2009 production	Not available
1.17	C2625114G	November 2008 production	Not available
1.16	C2625114F	December 2007 production	Not available
1.15	C2625114E	June 2007 production	Not available
1.13	C2625114D	April 2007 production	Not available
1.12	C2625114C	November 2006 production	Not available
1.09	C2625114B	April 2006 production	Not available
1.00	C2625114A	1st Mass Production	Not available

Note: Definition of Availability of RFU
"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Symptom Corrected
<i>1.24</i>	<i>Symptom corrected:</i> <i>1. A "B" jam occurs on the first print while the master is being made.</i> <i>2. The rear side of the paper is dirty when the machine restarts printing after the user clears a multi-feed.</i>
1.22	Minor bug correction.
1.21	Symptom corrected: The master sometimes wraps around the master eject roller.

Reissued: 03-Sep-12

Version	Symptom Corrected																																																				
	IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.07 (C2625174K) or newer.																																																				
1.19	Symptom corrected: SC314 occurs when the machine recovers from an error.																																																				
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3	60 rpm	199	193																																																		
4	75 rpm	200	194																																																		
5	90 rpm	200	194																																																		
6	105 rpm	201	193																																																		
7	120 rpm	202	194																																																		
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).																																																				
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).																																																				
1.13	(Version change only, in conjunction with the version change of the Topaz software).																																																				
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.																																																				
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.																																																				
1.00	1st Mass Production																																																				

Reissued: 03-Sep-12

Topaz

Version	Program No.	Effective Date	Availability of RFU
1.24	C2655116D	June 2012 production	Not available
1.22	C2655116C	April 2011 production	Not available
1.21	C2655116B	January 2010 production	Not available
1.19	C2655116A	October 2009 production	Not available
1.17	C2655114F	November 2008 production	Not available
1.16	C2655114E	December 2007 productions	Not available
1.15	C2655114D	June 2007 production	Not available
1.13	C2655114C	April 2007 production	Not available
1.12	C2655114B	November 2006 production	Not available
1.09	C2655114A	April 2006 production	Not available
1.01	C2655114	1st Mass Production	Not available

Note: Definition of Availability of RFU

“Available”: The firmware can be updated via RFU or SD card.

“Not available”: The firmware can only be updated via SD card.

Version	Symptom Corrected																																																
1.24	Symptom corrected: 1. A "B" jam occurs on the first print while the master is being made. 2. The rear side of the paper is dirty when the machine restarts printing after the user clears a multi-feed.																																																
1.22	Minor bug correction.																																																
1.21	Symptom corrected: The master sometimes wraps around the master eject roller. IMPORTANT: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.07 (C2655174J) or newer.																																																
1.19	Symptom corrected: SC314 occurs when the machine recovers from an error.																																																
1.17	Other changes: The default values of the following SP modes were changed: <table><tr><td>SP6-22</td><td>Regist Roller Delay-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>35</td><td>34</td></tr><tr><td>4</td><td>75 rpm</td><td>33</td><td>32</td></tr><tr><td>5</td><td>90 rpm</td><td>28</td><td>27</td></tr><tr><td>6</td><td>105 rpm</td><td>24</td><td>22</td></tr><tr><td>7</td><td>120 rpm</td><td>18</td><td>16</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td>SP6-29</td><td>P Clamp Timing Pulse-Special</td><td>Default</td><td>Setting</td></tr><tr><td>3</td><td>60 rpm</td><td>199</td><td>193</td></tr><tr><td>4</td><td>75 rpm</td><td>200</td><td>194</td></tr><tr><td>5</td><td>90 rpm</td><td>200</td><td>194</td></tr><tr><td>6</td><td>105 rpm</td><td>201</td><td>193</td></tr></table>	SP6-22	Regist Roller Delay-Special	Default	Setting	3	60 rpm	35	34	4	75 rpm	33	32	5	90 rpm	28	27	6	105 rpm	24	22	7	120 rpm	18	16					SP6-29	P Clamp Timing Pulse-Special	Default	Setting	3	60 rpm	199	193	4	75 rpm	200	194	5	90 rpm	200	194	6	105 rpm	201	193
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Reissued: 03-Sep-12

Version	Symptom Corrected			
	7	120 rpm	202	194
	Note: These changes apply only to machines produced for RAC and RE.			
1.16	Symptom corrected: An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).			
1.15	Symptom corrected: 1. An A4 cut master wraps around the master eject roller. 2. Master cutting error misdetection (new firmware: detection timing changed). 3. Masters stick to each other inside the master duct (new firmware: operation timing of master buffer fans was changed). 4. The trailing edge of the master is torn off when "Ignore paper size" mode is changed to "Ignore" (new firmware: the master wrapping start time was changed).			
1.13	Symptom corrected: Black lines are visible on the printouts (occurrences are rare).			
1.12	Symptom corrected: The feed start timing sensor stays ON (because of problem of the sensor itself, paper or ink covers the sensor, and so on), which causes SC503 to be displayed instead of the D jam to be displayed.			
1.09	Other changes: - The following SP mode was added: SP2-6-30/31 Master Compression Time A3/DLT /Master Compression Time A4 The maximum number of old master in the master eject box can be adjusted (Refer the RTB: RC262007). Important: To apply these changes, you also need to update the ACU firmware to ver2.02.			
1.01	1st Mass Production			