

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-001
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye language set.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>1.01</b>	<b>C2695400</b>	<b>1<sup>st</sup> Mass production</b>

Symptom Corrected	Suffix
<b>1<sup>st</sup> Mass production</b>	-

Reissued: 20-Feb-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-002a
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye Operation Panel.

## FIRMWARE MODIFICATION HISTORY

### US

Version	Program No.	Effective Date
1.01	C2695165	1 <sup>st</sup> Mass production

### EU

Version	Program No.	Effective Date
1.01	C2695167	1 <sup>st</sup> Mass production

### CHN

Version	Program No.	Effective Date
<b>1.01</b>	<b>C2695413</b>	<b>1<sup>st</sup> Mass production</b>

### US

Symptom Corrected	Suffix
1 <sup>st</sup> Mass production	-

### EU

Symptom Corrected	Suffix
1 <sup>st</sup> Mass production	-

### CHN

Symptom Corrected	Suffix
<b>1<sup>st</sup> Mass production</b>	-

Reissued: 21-May-07

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003a
<b>Subject:</b> Firmware Modification History	<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b> <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 (       )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d		

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b>Other changes:</b> <b>1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex)</b> The amount of air used for the air knife can now be adjusted separately for simplex and duplex.  <b>2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed:</b> <b>Numbers changed:</b> SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) <b>Default values changed:</b> SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" <b>Added new SP mode:</b> SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)  <b>IMPORTANT: To apply these changes, also install ECU ver1.20 or later.</b>	a
1 <sup>st</sup> Mass production	-

Reissued: 24-Jan-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004D
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## Added a check sum column

This RTB contains the software release information for the Cat's-eye ECU.

All the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	<b>C. SUM</b>	Effective Date
1.23	C2695114G	<b>4DF1</b>	June 2007 production
1.22	C2695114F	<b>2515</b>	May 2007 production
1.20	C2695114E	<b>A4C8</b>	April 2007 production
1.19	C2695114D	<b>8B19</b>	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b>Symptom corrected:</b> <b>1. The registration of the last print shifts</b> <i>Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed)</i> <b>Note:</b> <i>You need to replace the ROM for Duplex (C2695134=&gt;C2695136) to activate the above correction.</i>	<b>G</b>
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	<b>F</b>
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	<b>E</b>
1 <sup>st</sup> Mass production	<b>D</b>

Reissued: 16-Apr-07

<b>Model:</b> PRIPORT EMERALD/TOPAZ		<b>Date:</b> 1-Dec-05	<b>No:</b> R-C262-005b
<b>Subject:</b> Firmware Release History (PS3)		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> 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 PS3.

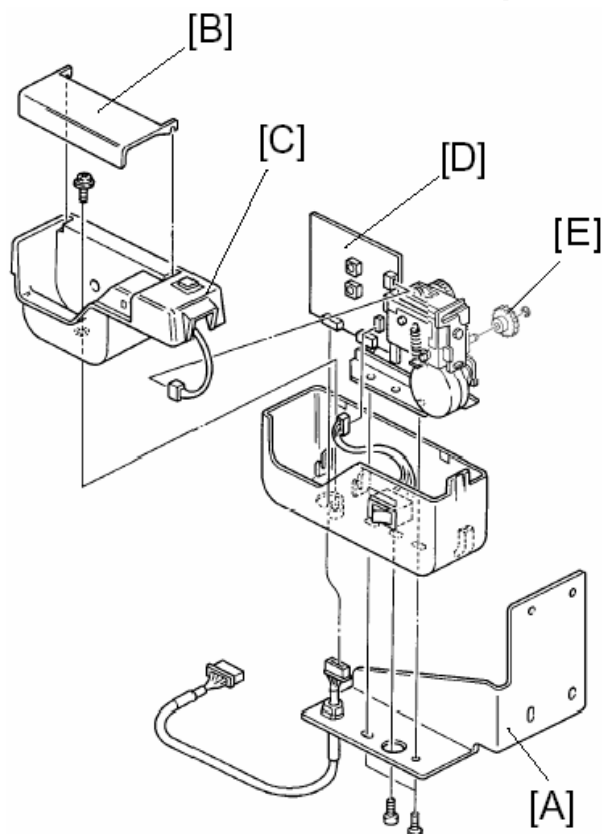
Version	Program No.	Effective Date
<b>4.00</b>	<b>C6405111C</b>	<b>December 2006 Production</b>
3.00	C6405111B	1st Mass Production
2.02	C6405111A	-

Version	Symptom Corrected
<b>4.00</b>	<b>The license was added for Cat's-eye</b>
3.00	The license was added for Topaz.
2.02	-

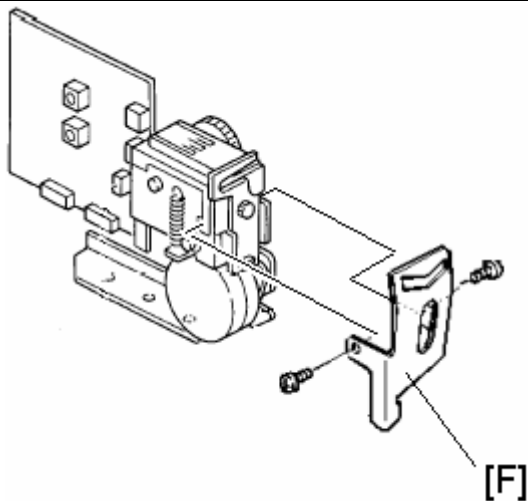
<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 06-Sep-07	<b>No:</b> R-C269-005
<b>Subject:</b> Attachment procedure of the protection cover to tape dispenser type20		<b>Prepared by:</b> M. Kumagai, Priport Service Planning Section	
<b>Classification:</b>	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (        )		
<b>Model Name:</b> Cat's-eye:                    Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

**Note:** See MB# **MC269002** for parts information.

## Attachment Procedure for the C6512236 Protective Cover (Tape Dispenser Type 20)



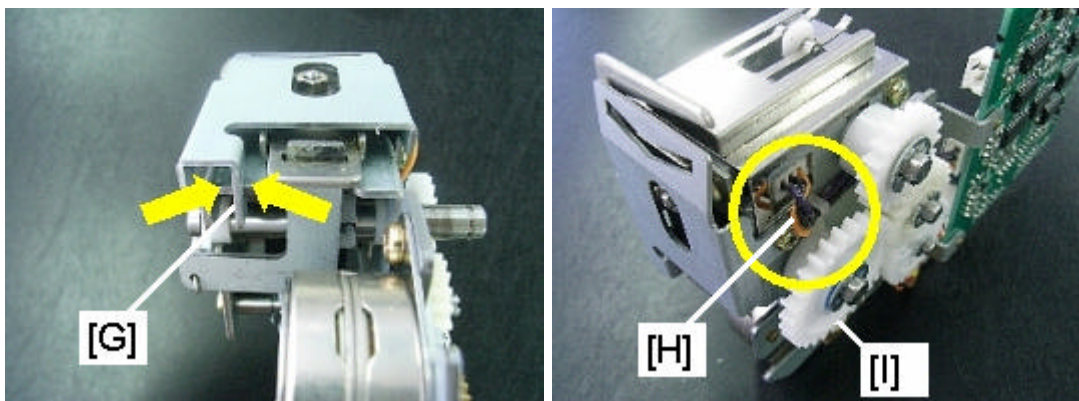
1. Remove the tape dispenser from the mainframe (1 connector, 2 nuts or screws).
2. Remove the support bracket [A] (3 screws).
3. Remove the tape dispenser cover [B] with the upper housing [C] (1 screw, 1 connector).
4. Remove the tape dispensing assembly [D] (2 connectors).
5. Remove the cam drive gear [E] (1 E-ring).

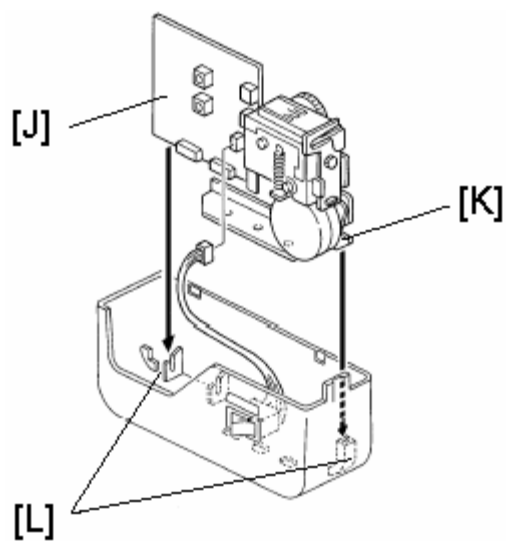
**Model:** PRIPORT Cats-eye**Date:** 06-Sep-07**No:** R-C269-005

6. Attach the C6512236 protective cover [F] (2 screws).

**Important:**

- Use only the screws that are already attached to the parts.
- Attach the new cover so that the ridge [G] fits into the notch in the tape dispensing assembly.
- Make sure the harness [H] does not touch the cam drive gear [I].



**Model:** PRIPORT Cats-eye**Date:** 06-Sep-07**No:** R-C269-005

7. Reassemble the tape dispenser.

**Important:** Make sure to insert the tape dispenser PCB [J] and tape dispenser bracket [K] into the lower housing slots [L].



<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 14-Sep-07	<b>No:</b> R-C269-006
<b>Subject:</b> Black blur line		<b>Prepared by:</b> M. Kumagai, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

See MB #MC269005 for parts information.

## SYMPTOM

A blurred black line appears in the center of the printed image.

## CAUSE

The exit pawl touches the leading edge of the paper.

## SOLUTION

### Production line:

The shape of the exit pawl arm was changed and a hole was added, so that exit pawl does not touch the leading edge of the master.

**Note:** As a result, the pawl approaches the drum slightly later, and the gap between the drum and exit pawl was increased from 1.0±0.3mm to 1.5±0.3mm.

### In the field:

Replace the exit pawl arm.

**See the procedure on the next page.**

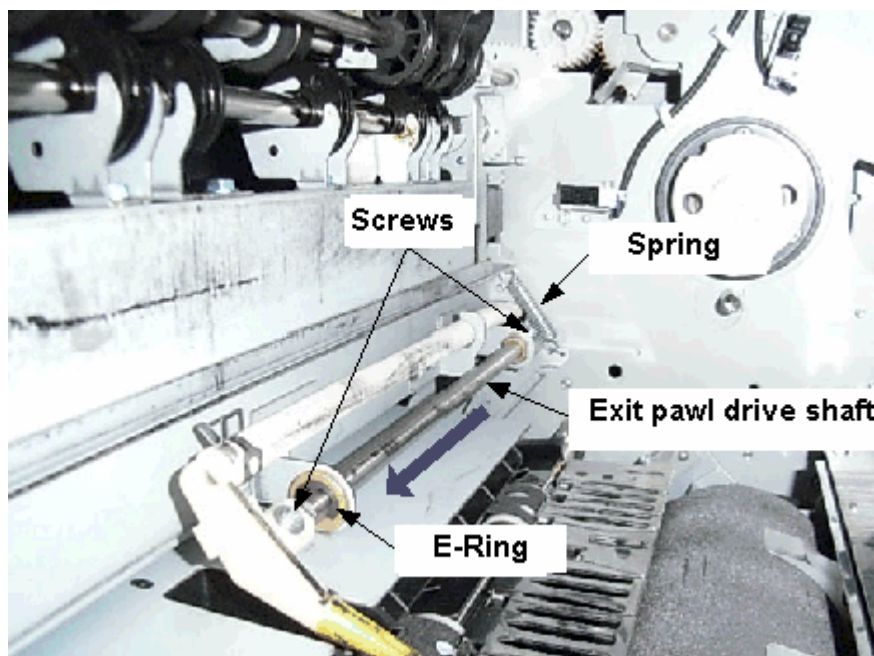
**Model:** PRIPORT Cats-eye**Date:** 14-Sep-07**No:** R-C269-006

## Replacement Procedure for the Exit Pawl Arm

1. Remove the drum unit.
2. Remove the spring from the exit pawl arm.
3. Remove two screws and the e-ring from the exit pawl drive shaft (slide them toward the operation side).
4. Remove the exit pawl arm and attach the new parts.

**Important:** Adjust the gap between the drum and exit pawl so that it is **1.5±0.3mm**.

See pg. 224-226 of the Service Manual for details.

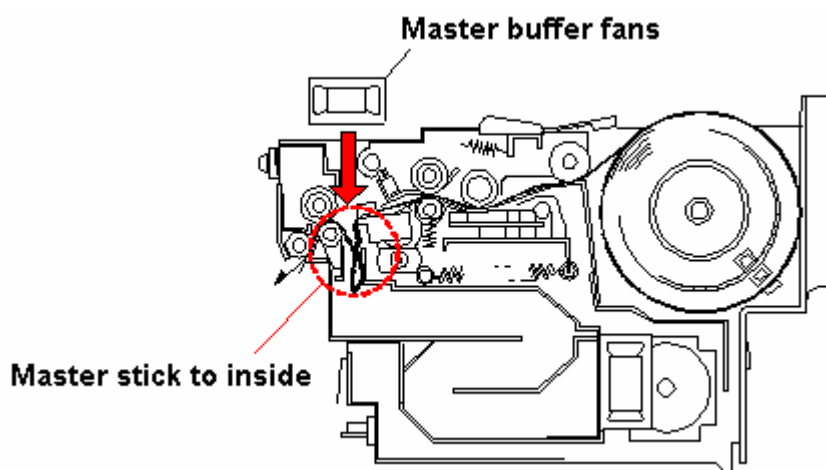


<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 14-Sep-07	<b>No:</b> R-C269-007
<b>Subject:</b> Master stick to inside of the master buffer duct		<b>Prepared by:</b> M. Kumagai, Priport Service Planning Section	
<b>Classification:</b>	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> 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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

See MB #MC269006 for parts information.

## SYMPTOM

The master sticks to the inside of the master buffer duct.



## CAUSE

The airflow of the master buffer fan is not strong enough.

## SOLUTION

Replace the master buffer fan.

**See Important Notes below.**

**Model:** PRIPORT Cats-eye

**Date:** 14-Sep-07

**No:** R-C269-007

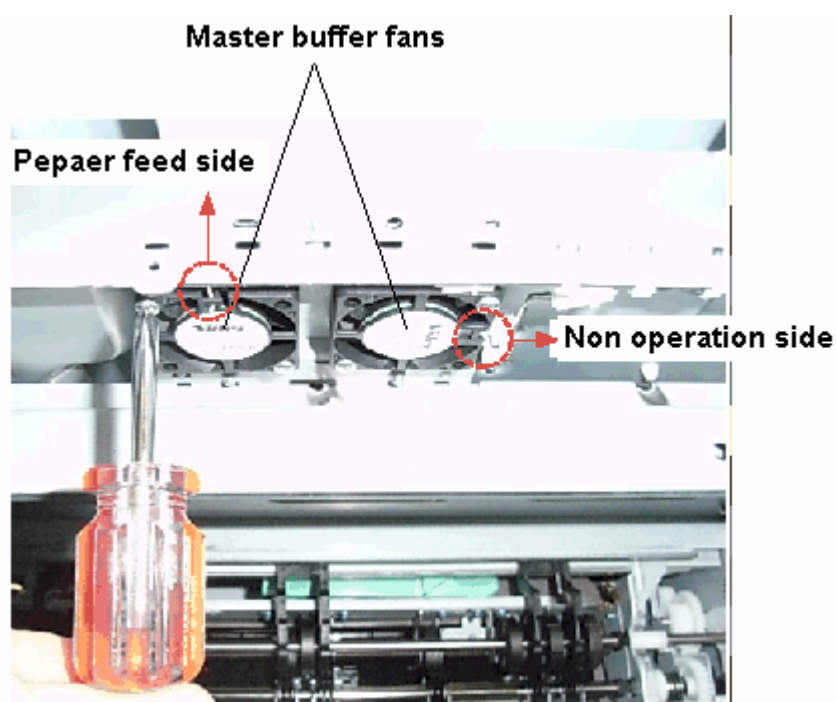
## Important Note for when Attaching the Master Buffer Fans

Make sure the fan harnesses are facing the following directions:

**Left fan:** Paper feed side

**Right fan:** Non-operator side

**Note:** To do this, align the black spot on the label with the correct position, as shown below.



Reissued: 14-Sep-07

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003b
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section
<b>Classification:</b> <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 (       )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d		

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>1.06</b>	<b>C2695174B</b>	<b>May 2007 production</b>
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b>Symptom corrected:</b> <b>1. The image is doubled near the leading edge when using Thick Paper.</b>	<b>b</b>
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex. 2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)	<b>a</b>
<b>IMPORTANT:</b> To apply these changes, also install ECU ver1.20 or later.	

Reissued: 14-Sep-07

Symptom Corrected	Suffix
1 <sup>st</sup> Mass production	-

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 13-Dec-07	<b>No:</b> R-C269-008
<b>Subject:</b> Open Drum Clamper		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye:                      Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## SYMPTOM

A master clamper error occurs during machine installation.

## CAUSE

The master clamper sticks to the master clamper base at some point between factory shipment and installation.

**Note:** This does not occur after the machine is installed, because the master is wrapped around the drum (which prevents the master clamp from sticking to the master clamper base).

## SOLUTION

Do the following procedure at machine installation before you turn the power ON.

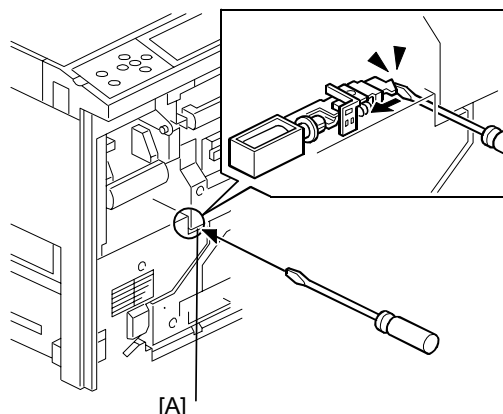
**Model:** PRIPORT Cats-eye

**Date:** 13-Dec-07

**No:** R-C269-008

## Procedure

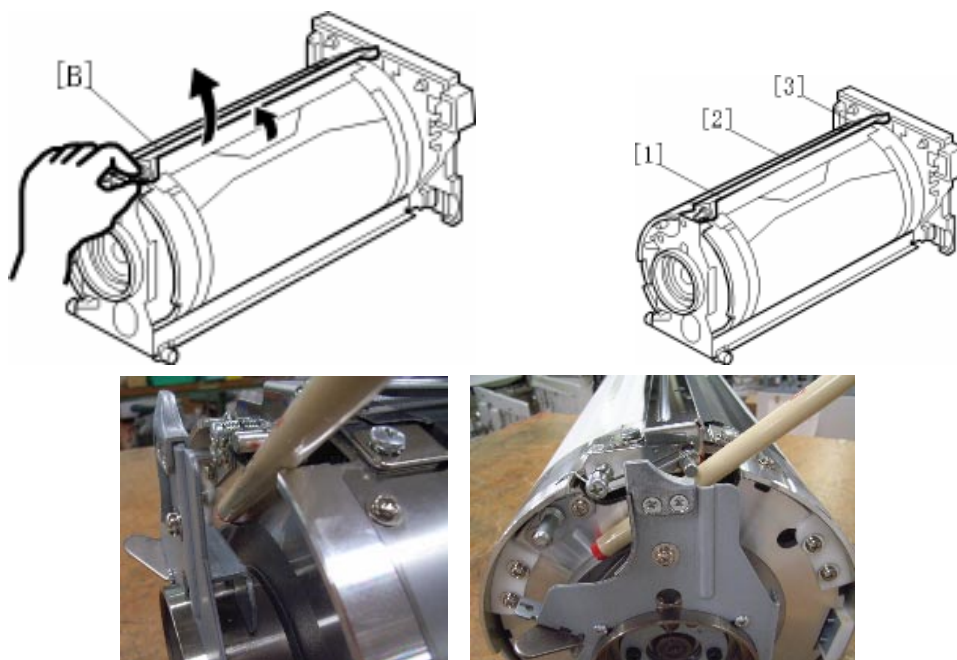
**Important:** Do this procedure between **Steps 9 and 10** of the current installation procedure.



1. Insert a screwdriver into the opening [A] to release the “drum lock release solenoid” temporarily.

**Note:** Normally, this solenoid locks the drum in place so that the drum cannot be removed when the power is OFF.

2. Remove the drum unit from the machine.



3. Open and close the master clasper [B] manually a few times. Make sure the master clasper does not stick.

**Caution:** Do not open the clasper too hard, to prevent bending the clasper.

Open the clasper slowly from side [1], [2] to [3] little by little.

If the Master clasper sticks to the master base too hard, use a stick as shown in the above photos

4. Rotate the drum back to its home position.
5. Reattach the drum unit.



<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 11-Jan-08	<b>No:</b> R-C269-009
<b>Subject:</b> Method of ECU Firmware download changed		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input checked="" 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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## SYMPTOM

When the ECU firmware is downloaded from an SD card, the download might stop, and the machine does not reboot.

**Note:** This problem is just for ECU firmware. The other firmware such as ACU, PS3, Operation panel, and Language do not have any problem with SD card download.

## CAUSE

Downloading this firmware from an SD card causes a problem.

## SOLUTION

Use an IC card to download the firmware, instead of an SD card.

**Note:** The firmware for an IC card is different from the firmware for an SD card.

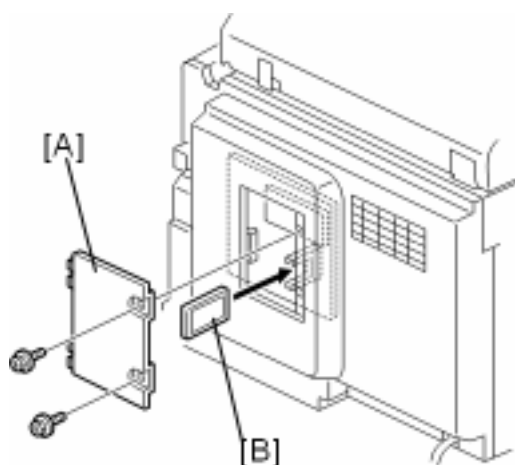
We replaced the firmware for SD cards with firmware for IC cards on the Global Download website. We will not release firmware for SD cards in future, and you will also not be able to get the previous firmware for SD cards.

**Model:** PRIPORT Cats-eye**Date:** 11-Jan-08**No:** R-C269-009

## PROCEDURE

**Important:** Prepare an IC card with ECU firmware. The firmware for the IC card is different from the firmware for the SD card.  
The SP number to download ECU firmware from the IC card is different from the SP number for an SD card. The SP number to download ECU firmware from an IC card is SP8-2-7.

1. Turn off the main power



2. Remove the small rear cover [A] (screws x 2).
3. Inset the IC card [B], which contains the ECU firmware for IC cards, into the slot in the ECU board.
4. Turn the main power on.
5. Enter the SP mode and select SP8-002-7 (IC Card).
6. Download the firmware.  
**Note:** It takes about 40 seconds.
7. After you downloaded the firmware, turn off the main power and remove the IC card from the ECU board.

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 19-Feb-08	<b>No:</b> R-C269-010
<b>Subject:</b> Added Drum Clamper Protect Sheet		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## SYMPTOM

A master clamper error occurs during machine installation.

## CAUSE

The master clamper sticks to the master clamper base at some point between factory shipment and machine installation.

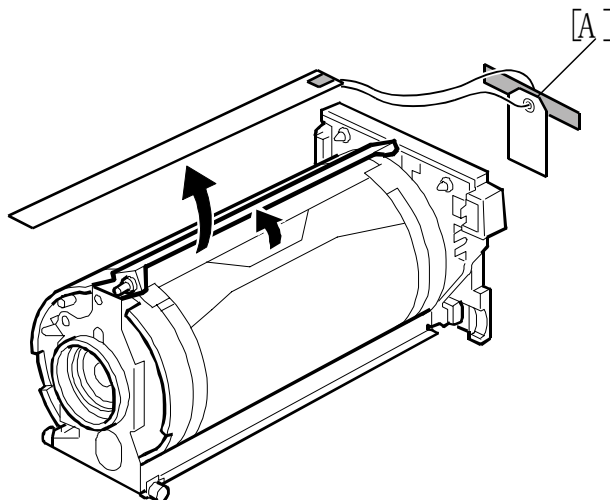
**Model:** PRIPORT Cats-eye

**Date:** 19-Feb-08

**No:** R-C269-010

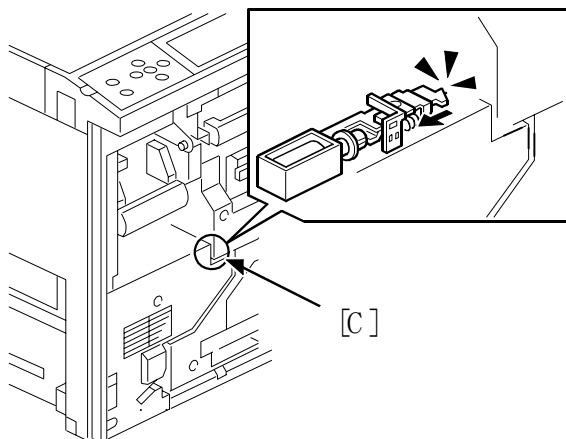
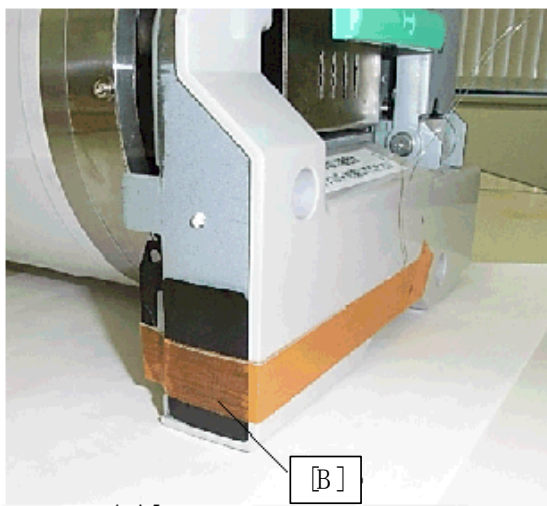
## SOLUTION

A drum clamber protection sheet [A] was added.



### Important:

1. At machine installation, make sure to **remove this sheet before you turn on the main power.**
2. At machine installation, before you reattach the drum, remove the new Mylar [B]. The Mylar will release the drum lock release solenoid [C]. You do not have to use a screwdriver to release the solenoid.



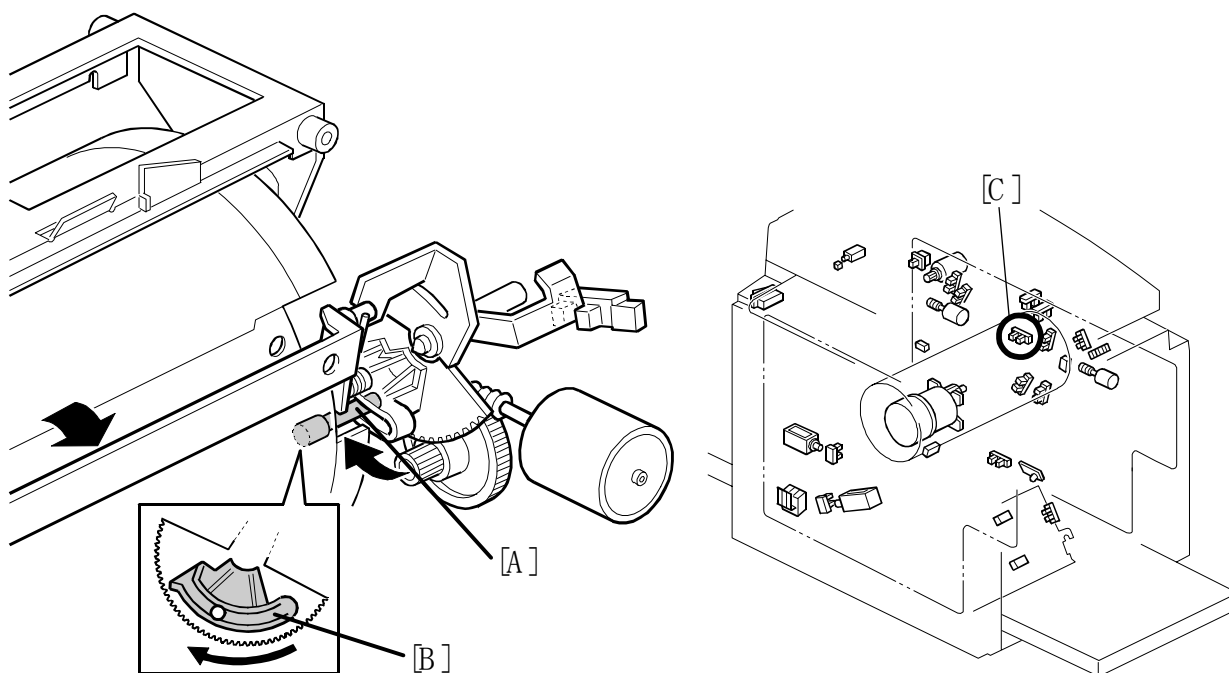
<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 19-Feb-08	<b>No:</b> R-C269-011
<b>Subject:</b> Drum Clamper Motor Lock		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## SYMPTOM

SC314 (Clamper Motor Lock (2<sup>nd</sup> Drum Position Sensor Error)) occurs during the master making process.

## CAUSE

The drum does not stop at the master clamping position (2<sup>nd</sup> Drum Position Sensor [C]). As a result, the drum guide [A] cannot hold the drum stud [B].



**Model:** PRIPORT Cats-eye

**Date:** 19-Feb-08

**No:** R-C269-011

## SOLUTION

### Production line:

The shape of the machine frame was changed near the bracket for the 2<sup>nd</sup> drum position sensor.

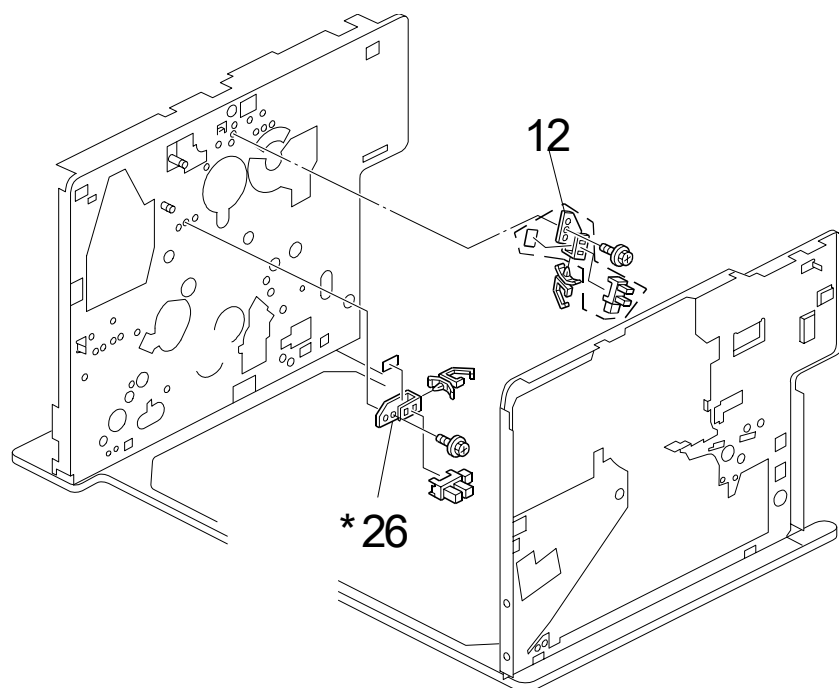
Model Name	V/Hz	Destination	Code	Cut-in S/N
Standard SD462	120/60	North America	C269-11	<b>N4880100001</b>
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	<b>N4780200001</b>
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	<b>N4671200001</b>

### In the field:

If this symptom occurs on any of the following machines, replace the bracket for the 2<sup>nd</sup> drum position sensor (new P/N: **P/N C2699001**).

Old #	New #	Description	Qty	Int	Page	Index	Note
C2442631	C2699001	HP2 SENSOR BRACKET	1	X/O	109	*26	
C2442631	-	LIMIT SENSOR BRACKET	1	-	109	12	No change

\*New index number



<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 19-Feb-08	<b>No:</b> R-C269-011
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Target machines:

Model Name	V/Hz	Destination	Code	S/N
Standard SD462	120/60	North America	C269-11	<b>Up to N4880100000</b>
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	<b>Up to N4780200000</b>
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	<b>Up to N4671200000</b>

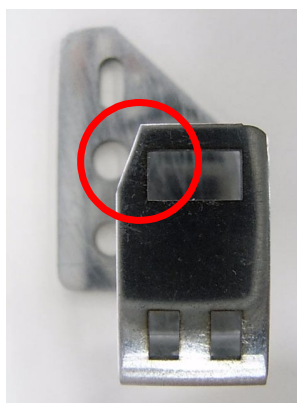
**Important:**

- There are two drum position sensor brackets (1<sup>st</sup> and 2<sup>nd</sup>). **Only replace the 2<sup>nd</sup> drum position sensor bracket.**
- Only replace the bracket on the target machines listed in this table.

**2<sup>nd</sup>** drum position sensor:



C2442631



**New: C2699001**

Reissued: 19-Feb-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003c
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>1.07</b>	<b>C2695174C</b>	<b>September 2007 production</b>
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production



Reissued: 19-Feb-08

**Model:** PRIPORT Cats-eye

**Date:** 29-Mar-07

**No:** R-C269-003c

Symptom Corrected	Suffix
<p><b>Other changes:</b></p> <p>1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper.</p> <p><b>SP6-79 (Duplex Motor Delay B5):</b></p> <p>SP6-79-1: 16rpm (default: 20, setting range: 0-239)</p> <p>SP6-79-1: 30rpm (default: 20, setting range: 0-239)</p> <p>SP6-79-1: 60rpm (default: 16, setting range: 0-239)</p> <p>SP6-79-1: 75rpm (default: 15, setting range: 0-239)</p> <p>SP6-79-1: 90rpm (default: 15, setting range: 0-239)</p> <p>SP6-79-1: 105rpm (default: 12, setting range: 0-239)</p> <p>SP6-79-1: 120rpm (default: 11, setting range: 0-239)</p> <p>2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".</p> <p><b>IMPORTANT: To apply these changes, also install ECU ver1.24 or later.</b></p>	C
<p>Symptom corrected:</p> <p>1. The image is doubled near the leading edge when using Thick Paper.</p>	B
<p><b>Other changes:</b></p> <p>1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex.</p> <p>2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed:</p> <p>Numbers changed:</p> <p>SP 6-031-5 --&gt; -15 (Print Position 2 Setting)</p> <p>SP 6-031-8 --&gt; -18 (Print Position 2 Setting –Thick)</p> <p>SP 6-031-10 --&gt; -20 (Feed Slow Down Timing)</p> <p>Default values changed:</p> <p>SP 6-031-4 --&gt; -14 (Print Position 3 Setting): "101"-&gt;"98"</p> <p>SP 6-031-7 --&gt; -17 (Print Position 3 Setting –Thick): "98"-&gt;"96"</p> <p>Added new SP mode:</p> <p>SP 6-031-16 (Print Position 3 Setting –Trial)</p> <p>SP 6-031-19 (Print Position 3 Setting -Thick –Trial)</p> <p>SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)</p> <p><b>IMPORTANT: To apply these changes, also install ECU ver1.20 or later.</b></p>	A
1 <sup>st</sup> Mass production	-

Reissued: 19-Feb-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004e
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ECU.

All the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b>1.24</b>	<b>C2695114H</b>	<b>4199</b>	<b>September 2007 production</b>
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Reissued: 19-Feb-08

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004e
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Symptom Corrected	Suffix
<b>Other changes:</b> <i>The firmware was updated to support the changes made to ACU ver.1.07.</i>  <b>IMPORTANT:</b> <i>Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).</i>	<b>H</b>
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	<b>G</b>
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	<b>F</b>
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	<b>E</b>
1 <sup>st</sup> Mass production	<b>D</b>

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 25-Feb-08	<b>No:</b> R-C269-012
<b>Subject:</b> Harness Layout Change		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<input checked="" 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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## SYMPTOM

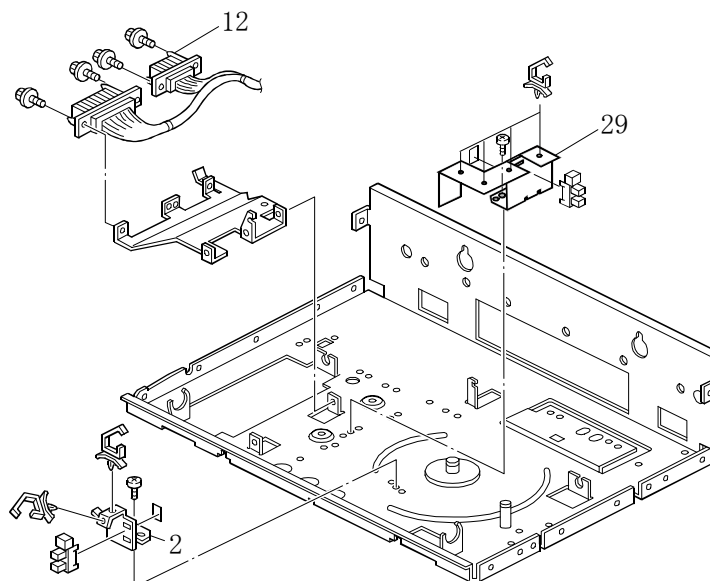
SC311/SC312 (Pressure Cam Shift Motor Lock) occurs.

## CAUSE

The edge of the duplex unit suction fan hits the harness and damages it.

## SOLUTION

Replace the harness [12] and sensor bracket [29] **together as a set**.



Old #	New #	Description	Qty	Int	Page	Index	Note
C2695241	C2695271	HARNESS:DUPLEX UNIT:ASS'Y	1	X/O as set	53	12	
C2694775	C2694822	BRACKET:POSITIONING SENSOR:SECTOR	1		53	*29	
C2694775	-	BRACKET:POSITIONING SENSOR:SECTOR	1	-	53	2	No change

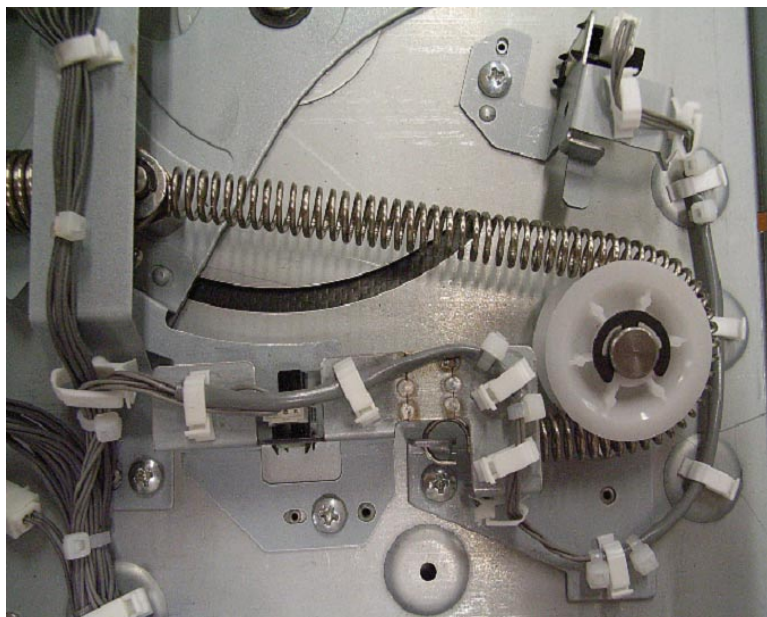
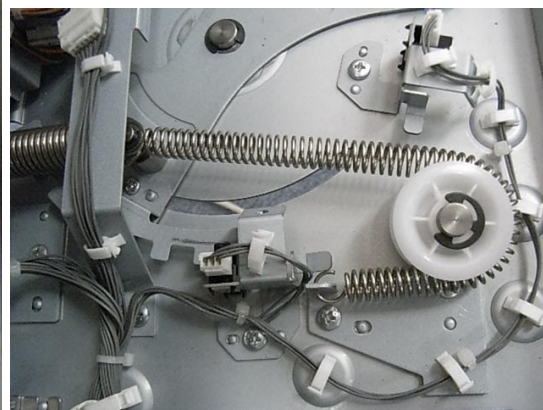
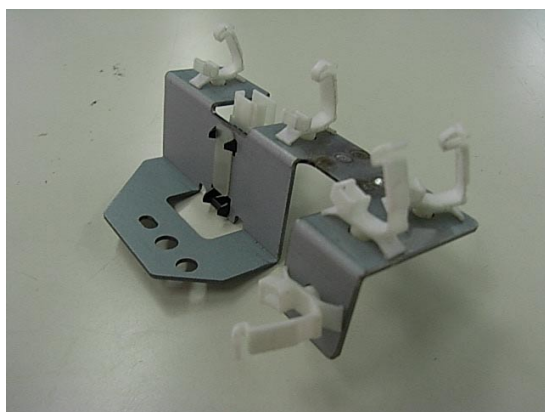
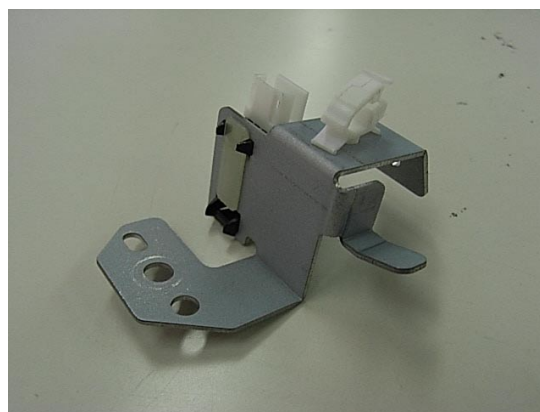
\* New index number

**Model:** PRIPORT Cats-eye

**Date:** 25-Feb-08

**No:** R-C269-012

Harness routing with new and old brackets:


**New Harness (C2695271) and Bracket (C2694822)**

**Old Harness and Bracket**

**New Bracket (C2694822)**

**Old Bracket (C2694775)**

## CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	N4880100001~
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N4780200001~
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N4671100001~

Reissued: 29-Feb-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004f
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b>1.25</b>	<b>C2695114J</b>	<b>746E</b>	<b>December 2007 production</b>
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Reissued: 29-Feb-08

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004f
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Symptom Corrected	Suffix
<b>Symptom corrected:</b> <b>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</b>  <b>Other changes:</b> <b>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease in the load of the printing pressure adjustment spring.</b> <ul style="list-style-type: none"> <li>– <b>When the main power is turned on</b></li> <li>– <b>When the machine recovers from Energy Saver mode or master making/eject</b></li> </ul>	<b>J</b>
Other changes: The firmware was updated to support the changes made to ACU ver.1.07.  <b>IMPORTANT:</b> Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	<b>H</b>
<b>Symptom corrected:</b> <b>1. The registration of the last print shifts</b> Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) <b>Note:</b> You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	<b>G</b>
<b>Symptom corrected:</b> <b>1. The image is doubled near the leading edge when using Thick Paper.</b> <b>2. An A4-cut master wraps around the master eject roller.</b>	<b>F</b>
<b>Other changes:</b> <b>1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.</b>	<b>E</b>
<b>1<sup>st</sup> Mass production</b>	<b>D</b>

Reissued: 26-Jun-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004g
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ECU.

All the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b>1.27</b>	<b>C2695114L</b>	<b>4A9C</b>	<b>May 2008 production</b>
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production



Reissued: 26-Jun-08

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004g
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Symptom Corrected	Suffix
<p><b>Symptom corrected:</b></p> <p><i>The duplex clamper leaves a mark on the printouts. To fix this, the following SP defaults were changed:</i></p> <p><i>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</i></p> <p><b>SP6-78 (Duplex Motor Delay LT):</b>  <b>SP6-78-1: 16rpm (default: 20 not changed)</b>  <b>SP6-78-1: 30rpm (default: 20 not changed)</b>  <b>SP6-78-1: 60rpm (default: 16 =&gt; 19)</b>  <b>SP6-78-1: 75rpm (default: 15 =&gt; 19)</b>  <b>SP6-78-1: 90rpm (default: 15 =&gt; 19)</b>  <b>SP6-78-1: 105rpm (default: 14 =&gt; 19)</b>  <b>SP6-78-1: 120rpm (default: 14 =&gt; 19)</b></p> <p><b>SP6-79 (Duplex Motor Delay B5):</b>  <b>SP6-79-1: 16rpm (default: 20 not changed)</b>  <b>SP6-79-1: 30rpm (default: 20 not changed)</b>  <b>SP6-79-1: 60rpm (default: 16 =&gt; 17)</b>  <b>SP6-79-1: 75rpm (default: 15 =&gt; 17)</b>  <b>SP6-79-1: 90rpm (default: 15 =&gt; 16)</b>  <b>SP6-79-1: 105rpm (default: 12 =&gt; 15)</b>  <b>SP6-79-1: 120rpm (default: 11 =&gt; 13)</b></p> <p><b>SP6-80 (Duplex Motor Delay A4):</b>  <b>SP6-80-1: 16rpm (default: 20 not changed)</b>  <b>SP6-80-1: 30rpm (default: 20 not changed)</b>  <b>SP6-80-1: 60rpm (default: 16 =&gt; 18)</b>  <b>SP6-80-1: 75rpm (default: 15 =&gt; 18)</b>  <b>SP6-80-1: 90rpm (default: 15 =&gt; 18)</b>  <b>SP6-80-1: 105rpm (default: 14 =&gt; 18)</b>  <b>SP6-80-1: 120rpm (default: 14 =&gt; 18)</b></p>	L
<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring. <ul style="list-style-type: none"> <li>– When the main power is turned on</li> <li>– When the machine recovers from Energy Saver mode or master making/eject</li> </ul> </li> </ol>	J

Reissued: 26-Jun-08

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004g
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Symptom Corrected	Suffix
<p>Other changes:</p> <p>The firmware was updated to support the changes made to ACU ver.1.07.</p> <p>IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).</p>	H
<p>Symptom corrected:</p> <p>1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=&gt;C2695136) to activate the above correction.</p>	G
<p>Symptom corrected:</p> <p>1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.</p>	F
<p>Other changes:</p> <p>1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.</p>	E
1 <sup>st</sup> Mass production	D

Reissued: 17-Jul-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004h
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
1.27	C2695114L	<b><i>BDA8</i></b>	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Reissued: 17-Jul-08

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004h
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Symptom Corrected	Suffix
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):            SP6-78-1: 16rpm (default: 20 not changed)            SP6-78-1: 30rpm (default: 20 not changed)            SP6-78-1: 60rpm (default: 16 =&gt; 19)            SP6-78-1: 75rpm (default: 15 =&gt; 19)            SP6-78-1: 90rpm (default: 15 =&gt; 19)            SP6-78-1: 105rpm (default: 14 =&gt; 19)            SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):            SP6-79-1: 16rpm (default: 20 not changed)            SP6-79-1: 30rpm (default: 20 not changed)            SP6-79-1: 60rpm (default: 16 =&gt; 17)            SP6-79-1: 75rpm (default: 15 =&gt; 17)            SP6-79-1: 90rpm (default: 15 =&gt; 16)            SP6-79-1: 105rpm (default: 12 =&gt; 15)            SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):            SP6-80-1: 16rpm (default: 20 not changed)            SP6-80-1: 30rpm (default: 20 not changed)            SP6-80-1: 60rpm (default: 16 =&gt; 18)            SP6-80-1: 75rpm (default: 15 =&gt; 18)            SP6-80-1: 90rpm (default: 15 =&gt; 18)            SP6-80-1: 105rpm (default: 14 =&gt; 18)            SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	L
<p>Symptom corrected:</p> <p>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p> <p>Other changes:</p> <p>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring.</p> <ul style="list-style-type: none"> <li>When the main power is turned on</li> <li>When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J

**Reissued: 17-Jul-08**

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004h
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Symptom Corrected	Suffix
Other changes: The firmware was updated to support the changes made to ACU ver.1.07.  IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	H
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	G
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E
1 <sup>st</sup> Mass production	D

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 6-Aug-08	<b>No:</b> R-C269-013
<b>Subject:</b> Grease on the shaft of the duplex unit		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

## SYMPTOM

The machine displays SC311 (pressure cam shift motor lock (HP sensor error)) or SC312 (pressure cam shift motor lock (encoder sensor error)).

## CAUSE

There is not enough grease on the print pressure adjustment sector gear, and as a result, the shaft is worn out.

## SOLUTION

### Production line:

The amount of grease applied to the gear was increased.

### In the field:

At the next service visit, if the machine was produced before the **Cut-in Serial Numbers** listed below, do the procedure on the next page.

**Model:** PRIPORT Cats-eye

**Date:** 6-Aug-08

**No:** R-C269-013

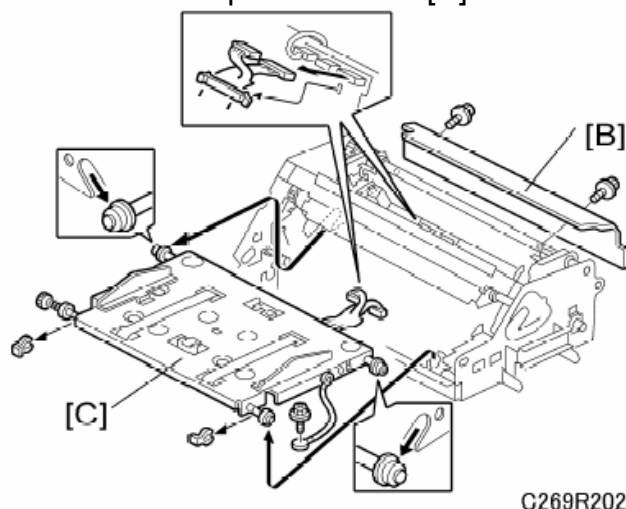
## PROCEDURE

1. Upgrade the ECU firmware to **ver1.25** (C2695114J) or **later**.

**See RTB # RC269004f.**

**Note:** This firmware decreases the load on the spring and shaft for the printing pressure sector gear (the number of rotations was decreased). The printing pressure adjustment encoder does not initialize when the machine recovers from Energy Saver mode or master making/ejection.

2. Remove the duplex unit from the machine.
3. Remove the duplex feed unit [C] from the duplex unit.



4. Put some **oil** around the shaft, as shown in the photo.

**Important:** Make sure to apply this oil before you apply the grease in the next step. This is because without the oil, the grease will not stick to the shaft (you would have to remove the sector gear if you didn't apply this oil).



5. Put some **grease** around the shaft, as shown in the photo.



<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 6-Aug-08	<b>No:</b> R-C269-013
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6. Reattach the units that you removed in the steps above.

7. Turn the main power OFF/ON three times.

Note: This is to move the sector gear, which will in turn lubricate the shaft and encoder with the grease.

## CUT IN SERIAL NUMBERS

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	~N487090000
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	~N477090000
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	~N46Y7090000



<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 8-Aug-08	<b>No:</b> R-C269-014
<b>Subject:</b> Service manual revision		<b>Prepared by:</b> M. Kumagai, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

## Ink Detection Adjustment

### Simple Method (SP6-008-1)

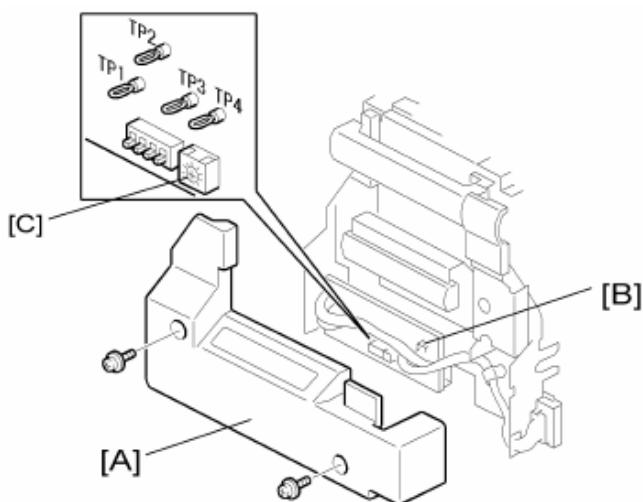
**Purpose:** To ensure that the CPU detects a no ink condition.

#### **⚠ 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 Cats-eye

**Date:** 8-Aug-08

**No:** R-C269-014

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 counter-clockwise 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.)

Reissued: 12-Nov-08

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003d
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>1.08</b>	<b>C2695174D</b>	<b><i>April 2008 production</i></b>
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Reissued: 12-Nov-08

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003d
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Symptom Corrected	Suffix
<b>Other changes:</b> <b>Supports the new HDD.</b>	<b>D</b>
Other changes: 1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper. SP6-79 (Duplex Motor Delay B5): SP6-79-1: 16rpm (default: 20, setting range: 0-239) SP6-79-1: 30rpm (default: 20, setting range: 0-239) SP6-79-1: 60rpm (default: 16, setting range: 0-239) SP6-79-1: 75rpm (default: 15, setting range: 0-239) SP6-79-1: 90rpm (default: 15, setting range: 0-239) SP6-79-1: 105rpm (default: 12, setting range: 0-239) SP6-79-1: 120rpm (default: 11, setting range: 0-239) 2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4". <b>IMPORTANT:</b> To apply these changes, also install ECU ver1.24 or later.	<b>C</b>
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper.	<b>B</b>
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex. 2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex) <b>IMPORTANT:</b> To apply these changes, also install ECU ver1.20 or later.	<b>A</b>
1 <sup>st</sup> Mass production	-

Model: PRIPORT CAT'S-EYE		Date: 12-Dec-08	No.: RC269015
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**

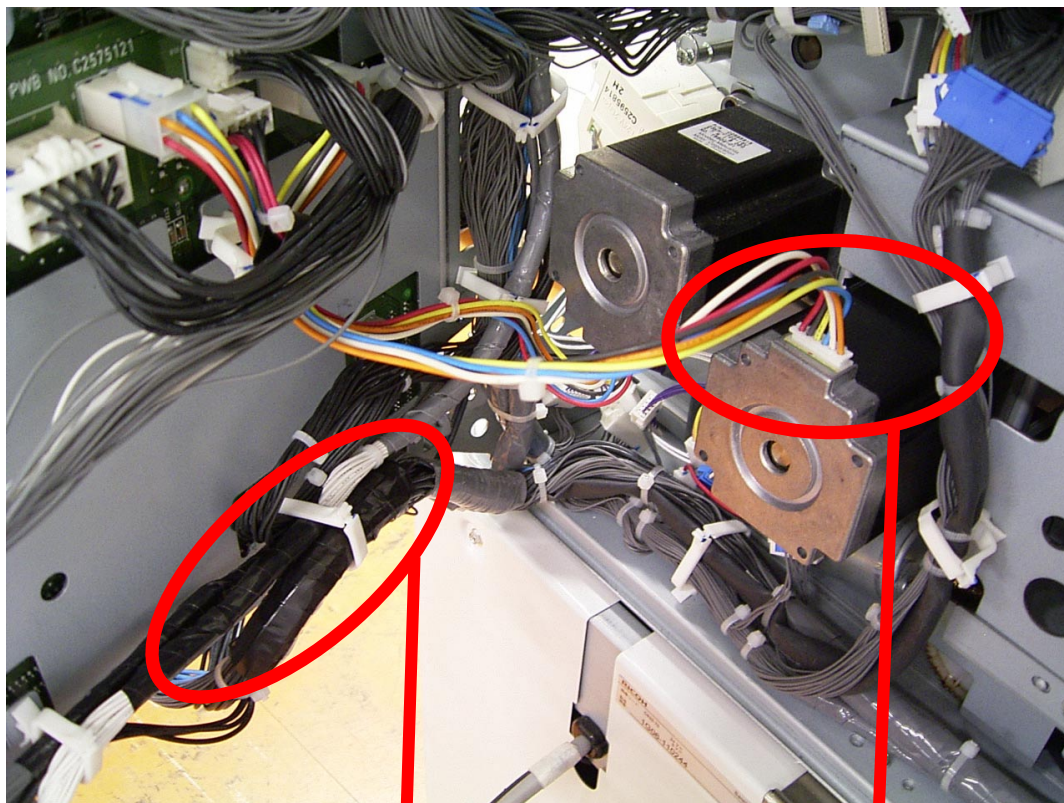
The covers of the harnesses around the registration motor are damaged, which triggers a short circuit.

## 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 #MC269023](#) for service parts information.



Tape was added

Motor harness connector is now located on top

Model: PRIPORT CAT'S-EYE		Date: 02-Feb-09	No.: RC269016
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.

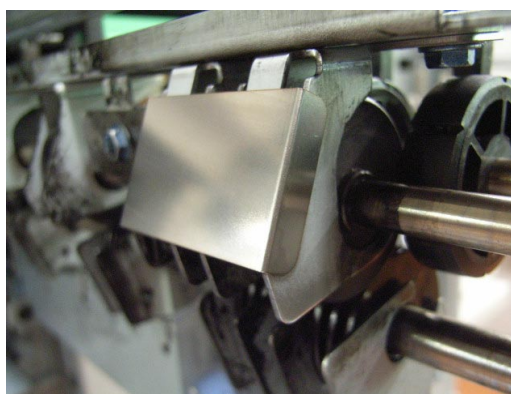
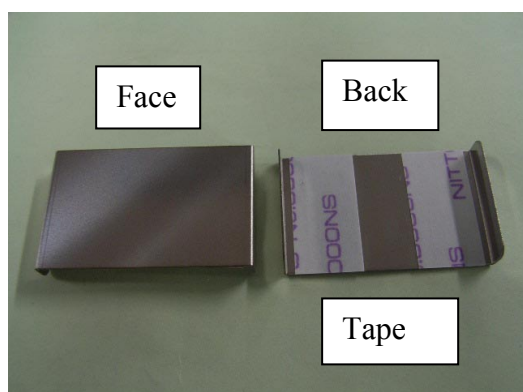
### In the field:

Attach the new covers (P/N C2653620).

**For parts information, see MB #MC269025.**

**For the attachment procedure, see below.**

Covers

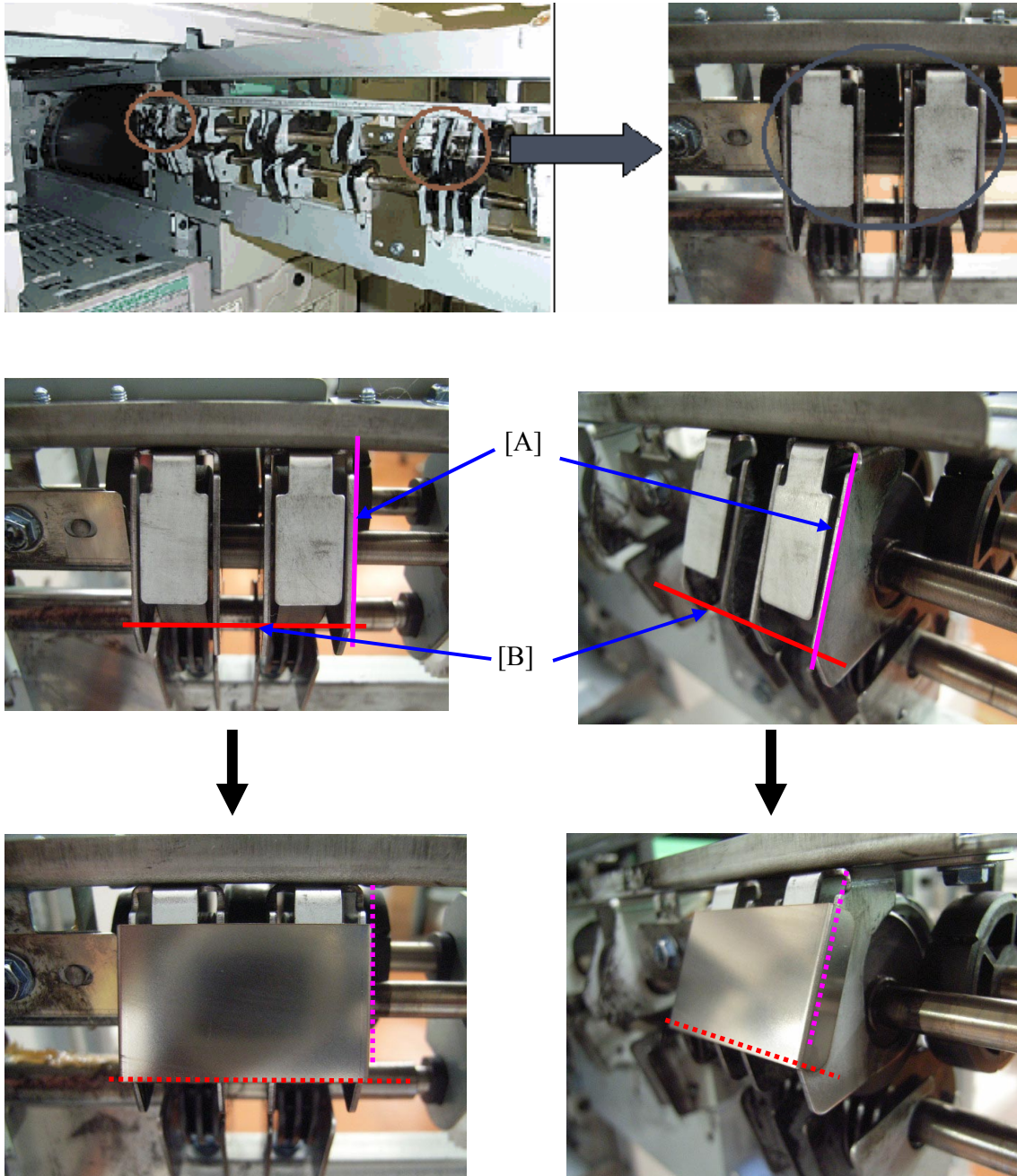




## Attachment Procedure

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

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003e
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>3.02</b>	<b>C2695174E</b>	<b><i>January 2009 production</i></b>
1.08	C2695174D	April 2008 production
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Reissued: 28-Jan-09

**Model:** PRIPORT Cats-eye

**Date:** 29-Mar-07

**No:** R-C269-003e

Symptom Corrected	Suffix
<b>Other changes:</b> <b>Supports the new Wireless LAN card (802.11a/g).</b>	<b>E</b>
Other changes: Supports the new HDD.	D
Other changes: 1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper. SP6-79 (Duplex Motor Delay B5): SP6-79-1: 16rpm (default: 20, setting range: 0-239) SP6-79-1: 30rpm (default: 20, setting range: 0-239) SP6-79-1: 60rpm (default: 16, setting range: 0-239) SP6-79-1: 75rpm (default: 15, setting range: 0-239) SP6-79-1: 90rpm (default: 15, setting range: 0-239) SP6-79-1: 105rpm (default: 12, setting range: 0-239) SP6-79-1: 120rpm (default: 11, setting range: 0-239) 2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4". <b>IMPORTANT:</b> To apply these changes, also install ECU ver1.24 or later.	C
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper.	B
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex. 2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex) <b>IMPORTANT:</b> To apply these changes, also install ECU ver1.20 or later.	A
1 <sup>st</sup> Mass production	-

Reissued: 28-Jan-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004i
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.28</i></b>	<b><i>C2695114M</i></b>	<b><i>3C83</i></b>	<b><i>December 2008 production</i></b>
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Reissued: 28-Jan-09

**Model:** PRIPORT Cats-eye

**Date:** 29-Mar-07

**No:** R-C269-004i

Symptom Corrected	Suffix
<p><b>Symptom corrected:</b></p> <p><b>SC521 is triggered when a paper jam occurs at the paper height sensor.</b></p>	<b>M</b>
<p>Symptom corrected:</p> <p>The duplex clamper leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p> <p>SP6-80-1: 60rpm (default: 16 =&gt; 18)</p> <p>SP6-80-1: 75rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 90rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 105rpm (default: 14 =&gt; 18)</p> <p>SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	L
<p>Symptom corrected:</p> <p>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p> <p>Other changes:</p> <p>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring.</p> <ul style="list-style-type: none"> <li>When the main power is turned on</li> <li>When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J

Reissued: 28-Jan-09

Model: PRIPORT Cats-eye		Date: 29-Mar-07	No: R-C269-004i
Symptom Corrected	Suffix		
Other changes: The firmware was updated to support the changes made to ACU ver.1.07.  IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	H		
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	G		
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F		
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E		
1 <sup>st</sup> Mass production	D		

Reissued: 18-Feb-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003f
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>3.10</b>	<b>C2695174F</b>	<b><i>March 2009 production</i></b>
3.02	C2695174E	January 2009 production
1.08	C2695174D	April 2008 production
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Reissued: 18-Feb-09

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003f
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Symptom Corrected	Suffix
<b><i>Firmware modified to support the China model.</i></b>	<b><i>F</i></b>
Other changes: Supports the new Wireless LAN card (802.11a/g).	E
Other changes: Supports the new HDD.	D
Other changes: 1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper. SP6-79 (Duplex Motor Delay B5): SP6-79-1: 16rpm (default: 20, setting range: 0-239) SP6-79-1: 30rpm (default: 20, setting range: 0-239) SP6-79-1: 60rpm (default: 16, setting range: 0-239) SP6-79-1: 75rpm (default: 15, setting range: 0-239) SP6-79-1: 90rpm (default: 15, setting range: 0-239) SP6-79-1: 105rpm (default: 12, setting range: 0-239) SP6-79-1: 120rpm (default: 11, setting range: 0-239) 2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".  IMPORTANT: To apply these changes, also install ECU ver1.24 or later.	C
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper.	B
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex.  2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)  IMPORTANT: To apply these changes, also install ECU ver1.20 or later.	A
1 <sup>st</sup> Mass production	-

Reissued: 26-Feb-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004j
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.29</i></b>	<b><i>C2695114N</i></b>	<b><i>6B95</i></b>	<b><i>January 2009 production</i></b>
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b><i>Symptom corrected:</i></b>  <b><i>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</i></b> <b><i>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</i></b>	<b><i>N</i></b>
Symptom corrected: SC521 is triggered when a paper jam occurs at the paper height sensor.	M
Symptom corrected:  The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:  Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.	L



Reissued: 26-Feb-09

Symptom Corrected	Suffix
<p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p> <p>SP6-80-1: 60rpm (default: 16 =&gt; 18)</p> <p>SP6-80-1: 75rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 90rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 105rpm (default: 14 =&gt; 18)</p> <p>SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	
<p>Symptom corrected:</p> <p>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p> <p>Other changes:</p> <p>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring.</p> <ul style="list-style-type: none"> <li>- When the main power is turned on</li> <li>- When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
<p>Other changes:</p> <p>The firmware was updated to support the changes made to ACU ver.1.07.</p> <p>IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).</p>	H
<p>Symptom corrected:</p> <p>1. The registration of the last print shifts</p> <p>Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed)</p> <p>Note:</p> <p>You need to replace the ROM for Duplex (C2695134=&gt;C2695136) to activate the above correction.</p>	G

**Reissued: 26-Feb-09**

Symptom Corrected	Suffix
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E
1 <sup>st</sup> Mass production	D

Reissued: 04-Mar-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003g
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>3.11</b>	<b>C2695174G</b>	<b><i>March 2009 production</i></b>
3.10	C2695174F	March 2009 production
3.02	C2695174E	January 2009 production
1.08	C2695174D	April 2008 production
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Reissued: 04-Mar-09

**Model:** PRIPORT Cats-eye

**Date:** 29-Mar-07

**No:** R-C269-003g

Symptom Corrected	Suffix
<b><i>Firmware modified to support the new model in China.</i></b>	<b>G</b>
Firmware modified to support the China model.	F
Other changes: Supports the new Wireless LAN card (802.11a/g).	E
Other changes: Supports the new HDD.	D
Other changes: 1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper. SP6-79 (Duplex Motor Delay B5): SP6-79-1: 16rpm (default: 20, setting range: 0-239) SP6-79-1: 30rpm (default: 20, setting range: 0-239) SP6-79-1: 60rpm (default: 16, setting range: 0-239) SP6-79-1: 75rpm (default: 15, setting range: 0-239) SP6-79-1: 90rpm (default: 15, setting range: 0-239) SP6-79-1: 105rpm (default: 12, setting range: 0-239) SP6-79-1: 120rpm (default: 11, setting range: 0-239) 2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".  IMPORTANT: To apply these changes, also install ECU ver1.24 or later.	C
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper.	B
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex.  2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)  IMPORTANT: To apply these changes, also install ECU ver1.20 or later.	A
1 <sup>st</sup> Mass production	-

**Reissued:30-Apr-09**

Model: PRIPORT CAT'S EYE	Date: 9-Apr-09	No.: RC269017a
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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 SD462	120/60	North America	C269-11	Mass production ~ N4880500002
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	Mass production ~ N4780400003
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	Mass production ~ N4681100013

**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.

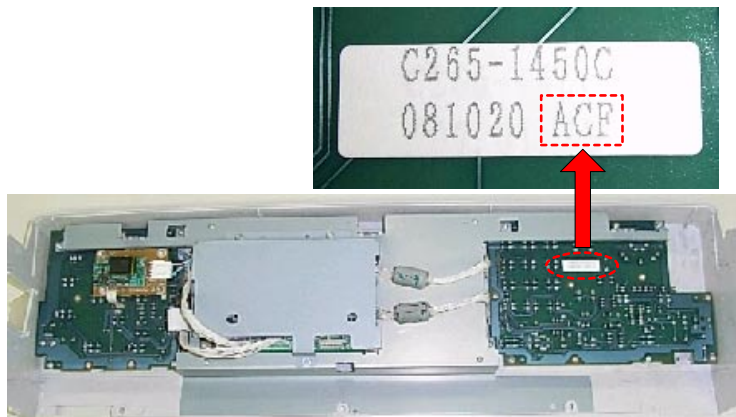
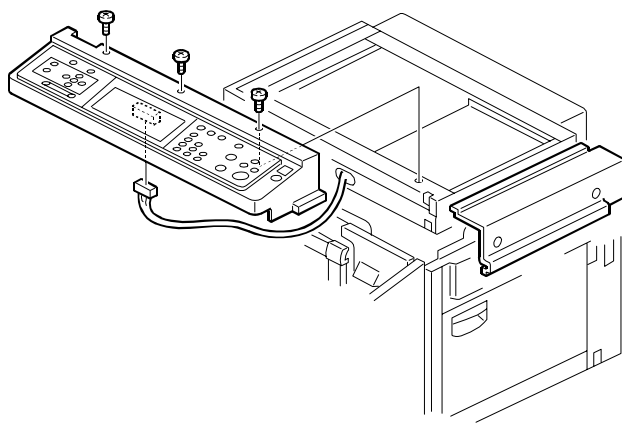
Old Part Number	New Part Number	
B2135222	<b>H3109900</b>	TOUCH PANEL:HVGA:FU-ACF

## 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).

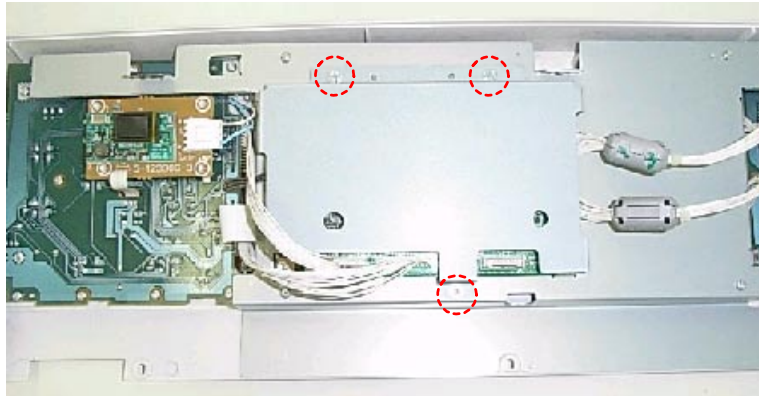


Model: PRIPORT CAT'S EYE

Date: 9-Apr-09

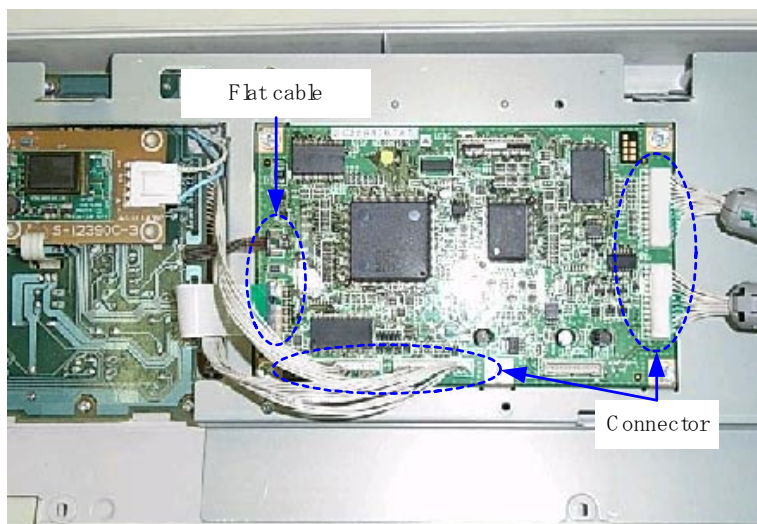
No.: RC269017

3. Remove the board cover (3 screws).

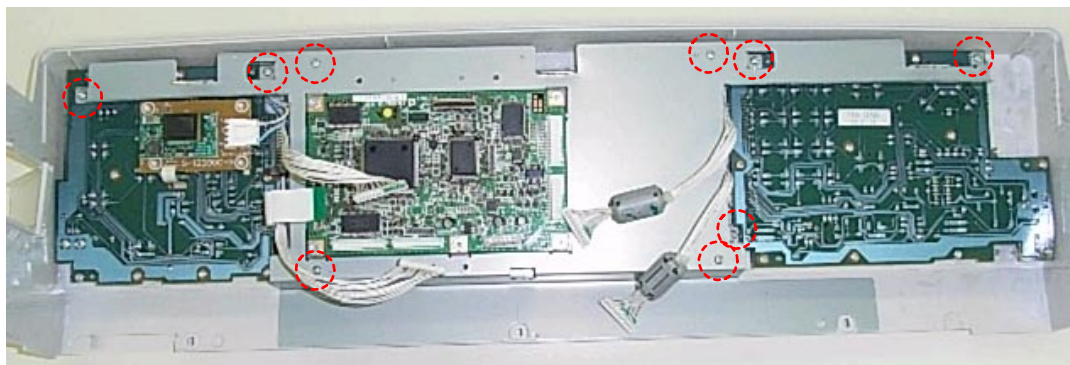


4. Remove the operation panel board (4 connectors, 2 flat cable connectors).

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



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





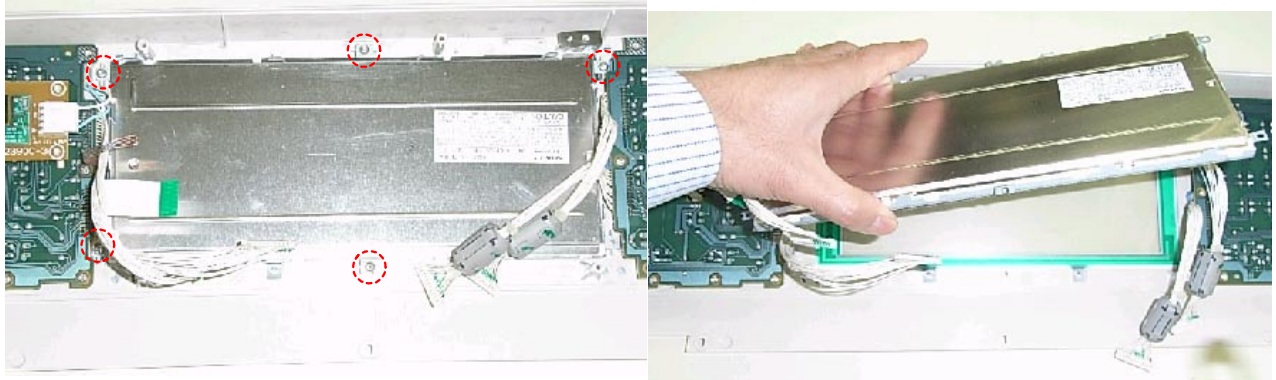
Model: PRIPORT CAT'S EYE

Date: 9-Apr-09

No.: RC269017

6. Remove the LCD (5 screws).

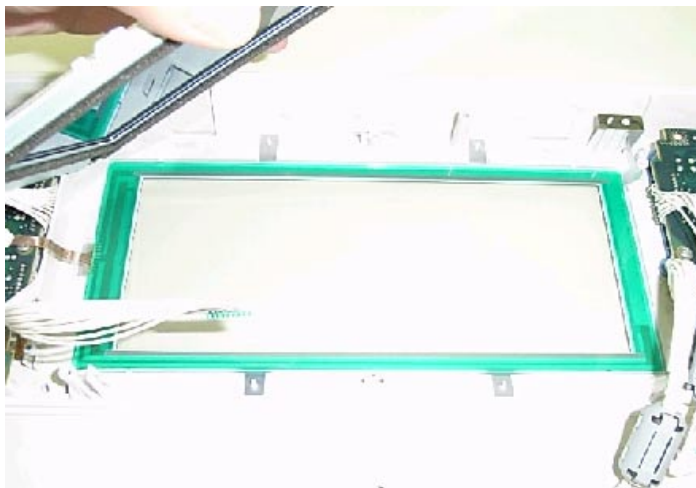
**Note:** The LCD cannot be completely separated from the operation panel. (There is a connector on the left side of the LCD, which is attached to the operation panel).



7. 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**.

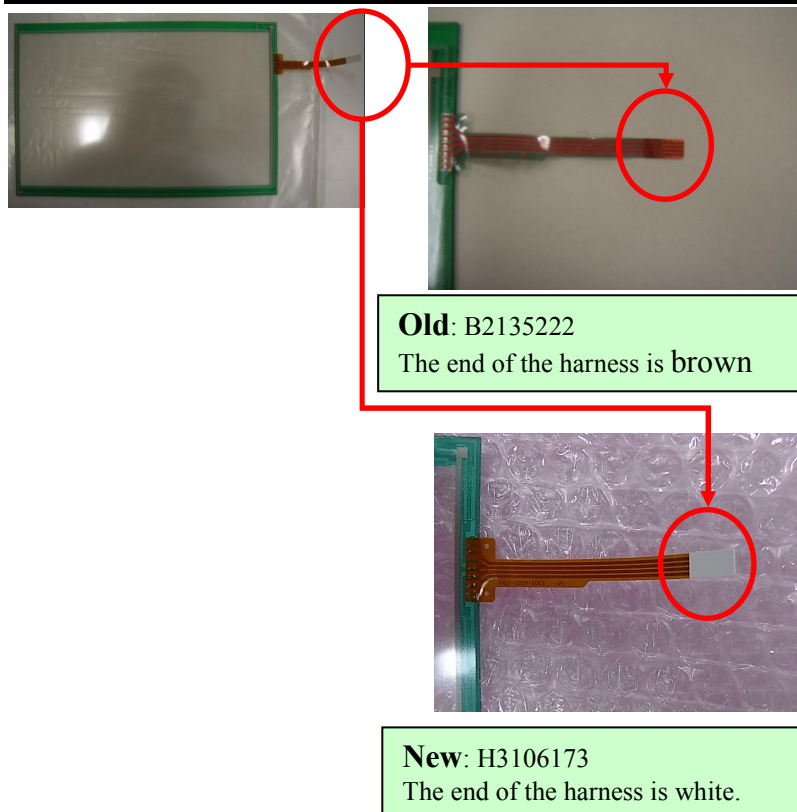




Model: PRIPORT CAT'S EYE

Date: 9-Apr-09

No.: RC269017



8. Re-assemble the operation panel in the reverse order of the steps above.
9. 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-May-09**

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003h
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>3.12</b>	<b>C2695174H</b>	<b><i>May 2009 production</i></b>
3.11	C2695174G	March 2009 production
3.10	C2695174F	March 2009 production
3.02	C2695174E	January 2009 production
1.08	C2695174D	April 2008 production
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Reissued: 21-May-09

**Model:** PRIPORT Cats-eye

**Date:** 29-Mar-07

**No:** R-C269-003h

Symptom Corrected	Suffix
<p><b>The following SP modes were added for color drums (which are options):</b></p> <p><b>SP6-31-</b></p> <p><b>34: Print position 3 setting - Color</b></p> <p><b>35: Print position 2 setting - Color</b></p> <p><b>36: Print position 3 setting - Trial - Color</b></p> <p><b>37: Print position 3 setting - Thick - Color</b></p> <p><b>38: Print position 2 setting - Thick - Color</b></p> <p><b>39: Print position 3 setting - Thick - Trial - Color</b></p> <p><b>40: Feed Slow Down Timing - Color</b></p> <p><b>41: Print position 3 setting- Trial - Duplex - Color</b></p> <p><b>Important: To apply the above changes, make sure to update the ECU firmware to Ver. C2695114P.</b></p> <p><b>Note: The machine uses these SP settings only when a color drum is installed.</b></p>	<b>H</b>
Firmware modified to support the new model in China.	G
Firmware modified to support the China model.	F
Other changes: Supports the new Wireless LAN card (802.11a/g).	E
Other changes: Supports the new HDD.	D
<p>Other changes:</p> <p>1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper.</p> <p>    SP6-79 (Duplex Motor Delay B5):</p> <p>    SP6-79-1: 16rpm (default: 20, setting range: 0-239)</p> <p>    SP6-79-1: 30rpm (default: 20, setting range: 0-239)</p> <p>    SP6-79-1: 60rpm (default: 16, setting range: 0-239)</p> <p>    SP6-79-1: 75rpm (default: 15, setting range: 0-239)</p> <p>    SP6-79-1: 90rpm (default: 15, setting range: 0-239)</p> <p>    SP6-79-1: 105rpm (default: 12, setting range: 0-239)</p> <p>    SP6-79-1: 120rpm (default: 11, setting range: 0-239)</p> <p>2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".</p> <p><b>IMPORTANT: To apply these changes, also install ECU ver1.24 or later.</b></p>	<b>C</b>
<p>Symptom corrected:</p> <p>1. The image is doubled near the leading edge when using Thick Paper.</p>	<b>B</b>
<p>Other changes:</p> <p>1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex.</p> <p>2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed:</p>	<b>A</b>

Reissued: 21-May-09

Symptom Corrected	Suffix
<p><b><i>The following SP modes were added for color drums (which are options):</i></b></p> <p><b><i>SP6-31-</i></b>  <b><i>34: Print position 3 setting - Color</i></b>  <b><i>35: Print position 2 setting - Color</i></b>  <b><i>36: Print position 3 setting - Trial - Color</i></b>  <b><i>37: Print position 3 setting - Thick - Color</i></b>  <b><i>38: Print position 2 setting - Thick - Color</i></b>  <b><i>39: Print position 3 setting - Thick - Trial - Color</i></b>  <b><i>40: Feed Slow Down Timing - Color</i></b>  <b><i>41: Print position 3 setting- Trial - Duplex - Color</i></b></p> <p><b><i>Important: To apply the above changes, make sure to update the ECU firmware to Ver. C2695114P.</i></b>  <b><i>Note: The machine uses these SP settings only when a color drum is installed.</i></b></p>	<b><i>H</i></b>
Firmware modified to support the new model in China.	G
Firmware modified to support the China model.	F
Other changes: Supports the new Wireless LAN card (802.11a/g).	E
Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)	
IMPORTANT: To apply these changes, also install ECU ver1.20 or later.	
1 <sup>st</sup> Mass production	-

Reissued: 21-May-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004k
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.30</i></b>	<b><i>C2695114P</i></b>	<b><i>47DE</i></b>	<b><i>May 2009 production</i></b>
1.29	C2695114N	6B95	January 2009 production
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b><i>The following SP modes were added for color drums (which are options):</i></b>  <b><i>SP6-31-</i></b> <b><i>34: Print position 3 setting - Color</i></b> <b><i>35: Print position 2 setting - Color</i></b> <b><i>36: Print position 3 setting - Trial - Color</i></b> <b><i>37: Print position 3 setting - Thick - Color</i></b> <b><i>38: Print position 2 setting - Thick - Color</i></b> <b><i>39: Print position 3 setting - Thick - Trial - Color</i></b> <b><i>40: Feed Slow Down Timing - Color</i></b>	<b><i>P</i></b>

Reissued: 21-May-09

Symptom Corrected	Suffix
<p><b>41: Print position 3 setting- Trial - Duplex - Color</b></p> <p><b>Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H.</b></p> <p><b>Note: The machine uses these SP settings only when a color drum is installed.</b></p>	
<p>Symptom corrected:</p> <p>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</p> <p>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</p>	N
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p> <p>SP6-80-1: 60rpm (default: 16 =&gt; 18)</p> <p>SP6-80-1: 75rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 90rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 105rpm (default: 14 =&gt; 18)</p> <p>SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	L

Reissued: 21-May-09

Symptom Corrected	Suffix
<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring. <ul style="list-style-type: none"> <li>- When the main power is turned on</li> <li>- When the machine recovers from Energy Saver mode or master making/eject</li> </ul> </li> </ol>	J
<p>Other changes:</p> <p>The firmware was updated to support the changes made to ACU ver.1.07.</p> <p>IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).</p>	H
<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=&gt;C2695136) to activate the above correction.</li> </ol>	G
<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. The image is doubled near the leading edge when using Thick Paper.</li> <li>2. An A4-cut master wraps around the master eject roller.</li> </ol>	F
<p>Other changes:</p> <ol style="list-style-type: none"> <li>1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.</li> </ol>	E
1 <sup>st</sup> Mass production	D

Model: CE4		Date: 22-May-09	No.: RC269018
Subject: Pressure cam		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		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2694808	→C2694825	GEAR:Z80:PRESSURE RELEASE: CAM	1	X/O as set	49	17	
C2694809	-	PLATE:GEAR:DRIVE:CAM	1		49	18	

**Change:**

- 1) The material of pressure release cam was changed to metal
- 2) The pressure release cam and plate were combined into one service part

**Reason:** To improve the reliability of these parts.

## Cut in Serial Numbers

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	N489030001~
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N479030001~
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N469030001~



Model: CE4		Date: 25-May-09	No.: RC269019
Subject: Stoppers		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		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2691149	C2693358	STOPPER:PAWL:EXIT	1	X/O	109	6	
C2694746	C2694850	STOPPER:AUXILIARY:RIGHT FRONT:DUPLEX UNIT	1	X/O	55	27	

**Change:** The shapes of the stoppers were changed.

**Reason:** To further increase the protection these stoppers give the machine during the shipping process.

## Cut in Serial Numbers

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	N489040001~
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N479040001~
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N469040001~

Model: CE4		Date: 21-Jul-09	No.: RC269020
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		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2443457	C2653475	GUIDE:UPPER REAR:LEFT	2	X/O as set	91	43	
C2443459	C2653476	GUIDE:UPPER REAR:RIGHT	1		91	44	
C2443615	C2653616	GUIDE:UPPER FRONT	1		91	24	
C2653620	C2653623	GUIDE:MASTER EJECTION	2		91	47*	
	03530040N	SCREW - M3X4	4		91	107*	
C2653400	C2653403	TRANSPORT UNIT:MASTER EJECTION:ASS'Y	1	X/O	91	34	
C2573450	C2653449	TRANSPORT ROLLER:MASTER EJECTION:ASS'Y	1	X/O	91	35	

**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.

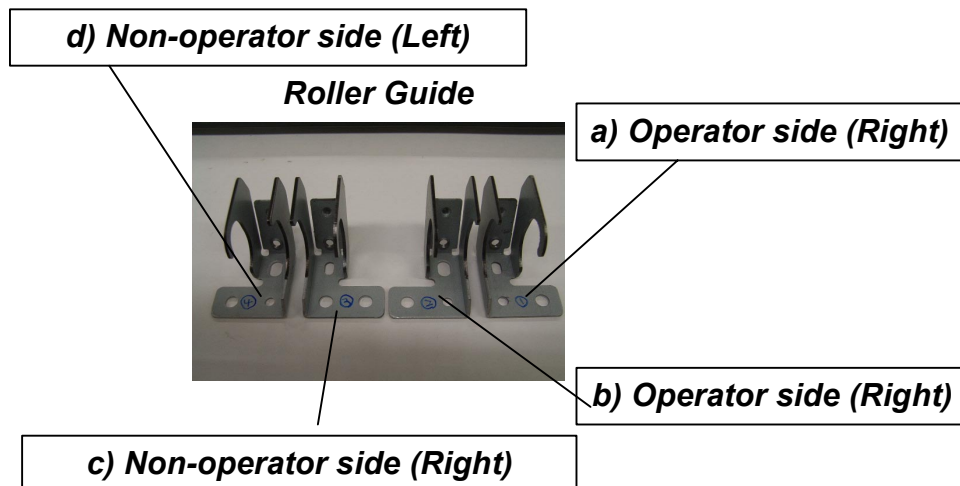
## Cut in Serial Numbers

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	N4890300001
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N4790300001
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N4690300001

Model: CE4

Date: 21-Jul-09

No.: RC269020

***Replacement Procedure*****Replacement Parts:**

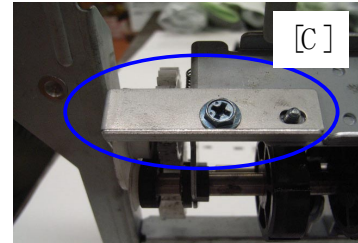
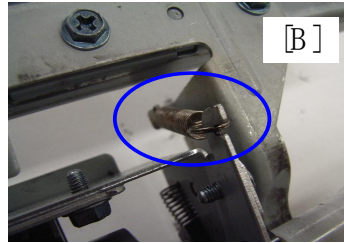
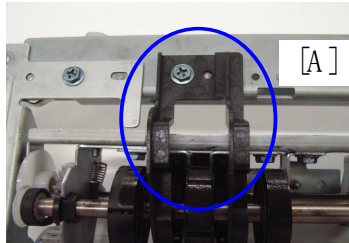
Model: CE4

Date: 21-Jul-09

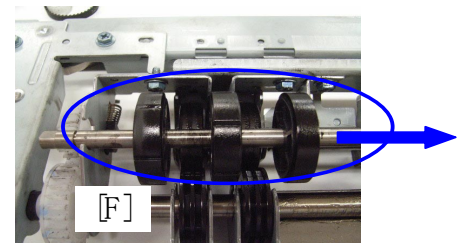
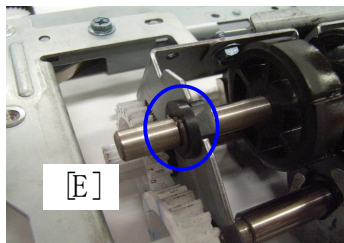
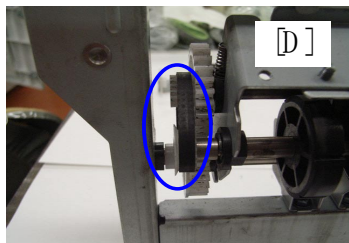
No.: RC269020

## Procedure:

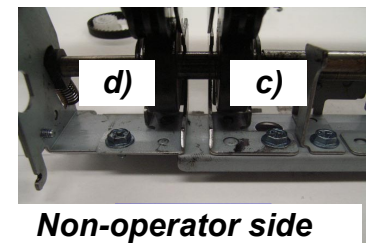
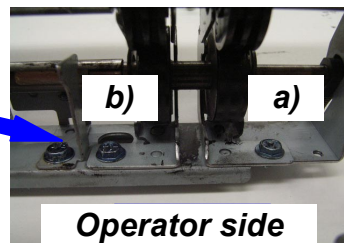
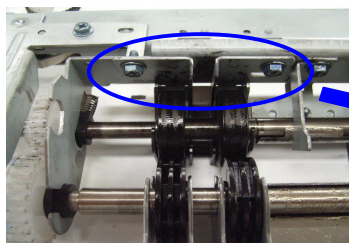
1. Remove the bracket [A].
2. Remove the spring [B].
3. Remove the tension bracket [C].



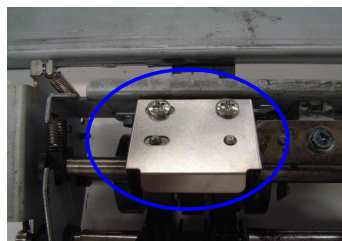
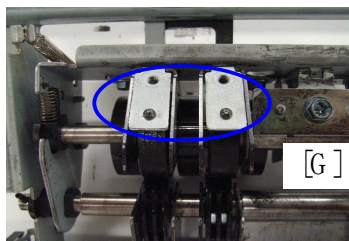
4. Remove the belt [D].
5. Remove the e-ring and shaft [E].
6. Remove the roller (slide the roller to the right).



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



9. Attach the Roller Covers



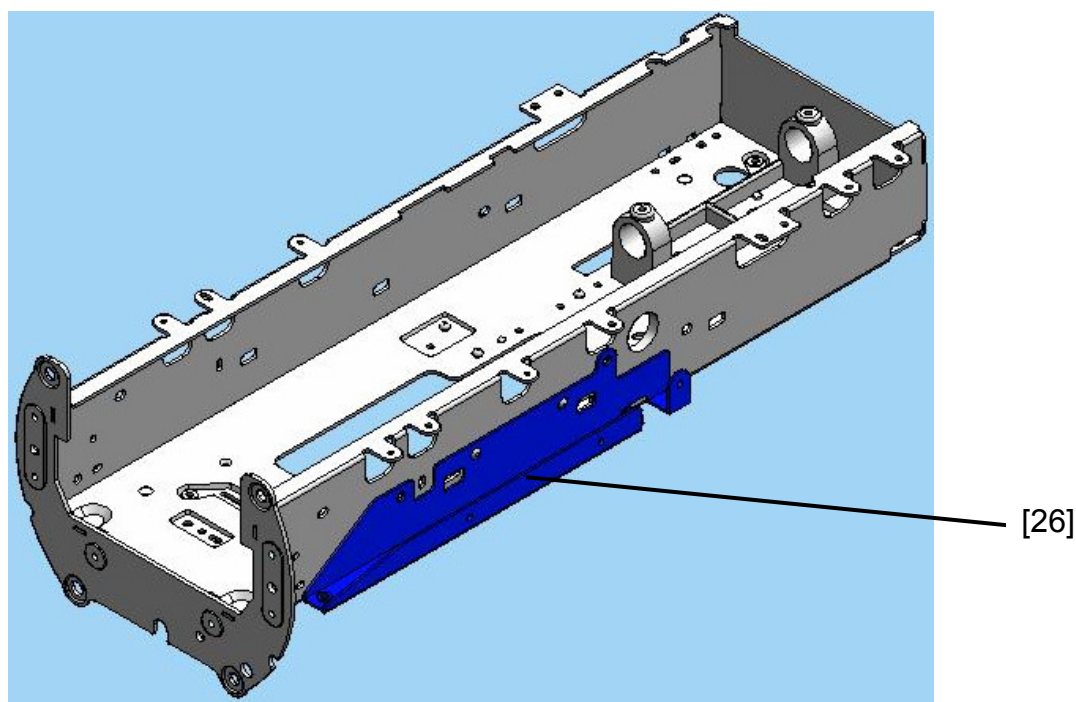
Model: CE4		Date: 14-Sep-09	No.: RC269021
Subject: Drum frame		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product 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	65	8	
C2292369	C2652549	PIN:BALL BEARING	1		67	9	
C2292371	C2652550	PIN:BALL BEARING:LEFT LOWER	1		67	14	
-	C2652547	BRACKET:HARNESS	1		67	26*	
-	09544006Z	SCREW - M4X6	2		67	111*	
03540120N	03540100N	SCREW - M4X10	1		65	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

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004I
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.31</i></b>	<b><i>C2695114Q</i></b>	<b><i>754C</i></b>	<b><i>October 2009 production</i></b>
1.30	C2695114P	47DE	May 2009 production
1.29	C2695114N	6B95	January 2009 production
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b><i>Symptom corrected:</i></b>	<b><i>Q</i></b>
<b><i>1. SC314 occurs when the machine recovers from an error.</i></b>	
The following SP modes were added for color drums (which are options):  SP6-31- 34: Print position 3 setting - Color 35: Print position 2 setting - Color 36: Print position 3 setting - Trial - Color	P

Reissued: 05-Oct-09

Symptom Corrected	Suffix
<p>37: Print position 3 setting - Thick - Color</p> <p>38: Print position 2 setting - Thick - Color</p> <p>39: Print position 3 setting - Thick - Trial - Color</p> <p>40: Feed Slow Down Timing - Color</p> <p>41: Print position 3 setting- Trial - Duplex - Color</p> <p>Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H.</p> <p>Note: The machine uses these SP settings only when a color drum is installed.</p>	
<p>Symptom corrected:</p> <p>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</p> <p>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</p>	N
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p>	L



Reissued: 05-Oct-09

Symptom Corrected	Suffix
SP6-80-1: 60rpm (default: 16 => 18) SP6-80-1: 75rpm (default: 15 => 18) SP6-80-1: 90rpm (default: 15 => 18) SP6-80-1: 105rpm (default: 14 => 18) SP6-80-1: 120rpm (default: 14 => 18)	
Symptom corrected: 1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).  Other changes: 2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring. <ul style="list-style-type: none"> <li>When the main power is turned on</li> <li>When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
Other changes: The firmware was updated to support the changes made to ACU ver.1.07.  IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	H
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	G
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E
1 <sup>st</sup> Mass production	D



Model: CE4		Date: 28-Oct-09	No.: RC269022
Subject: Main drive unit		Prepared by: K. Yamamoto	
From: 2nd Tech Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input checked="" 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

One or more of the following may occur on machines produced up through the end of September 2008:

Paper feed jam

SC313/SC314 (clammer motor lock)

Master clamp error

## CAUSE

An excessive load is placed on the main drive shaft, eventually breaking the shaft.

**Note:** This load increases the higher the printing speed, the lower the page per original, and the more the duplex printing is performed.

## SOLUTION

If any of the symptoms occurs often on a machine produced up through the end of September 2008:

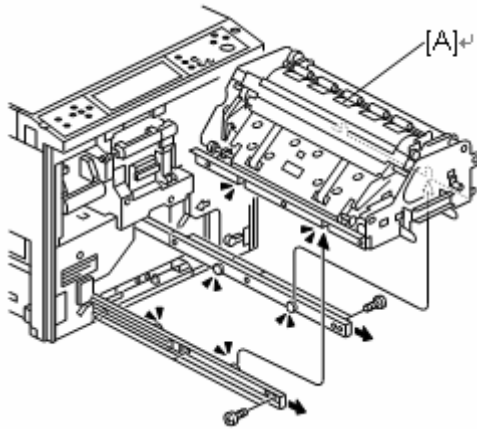
- Check the condition of the main drive shaft.
- If it is broken, replace the main drive unit with the new part (P/N C2691024) and do the adjustment procedures shown below.

Old #	New #	Description	Qty	Int	Page	Index
C2691022	<b>C2691024</b>	DRUM SHAFT:DRIVE:ASS'Y	1	X/O	21	3

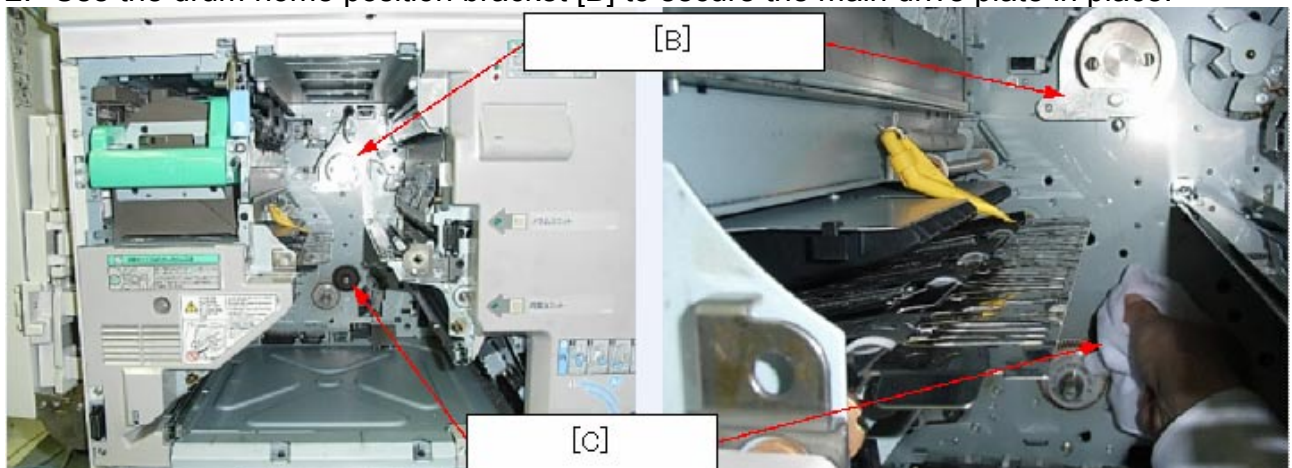
**Note:** This part change information was announced in MB #MC269019.

## I. Checking to see if the main drive shaft is broken

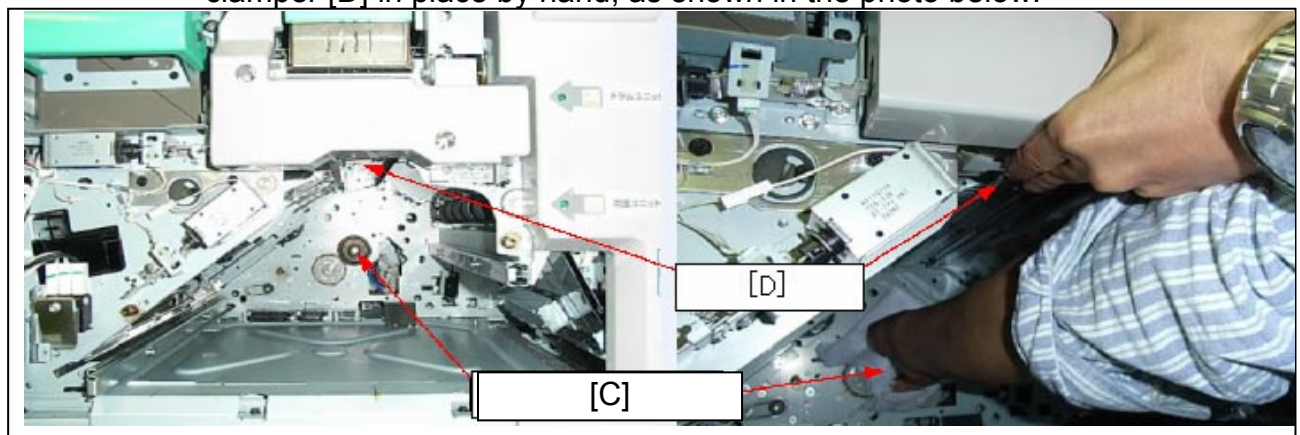
1. Remove the drum unit, and then remove the duplex unit [A].



2. Use the drum home position bracket [B] to secure the main drive plate in place.



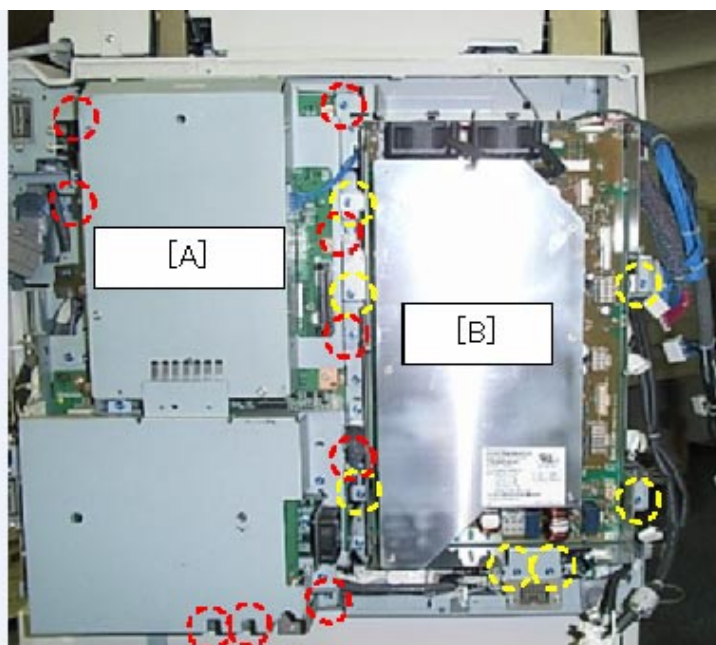
**Important:** If you don't have the drum home position bracket [B], secure the master clumper [D] in place by hand, as shown in the photo below:



3. Try to turn the gear [C].  
If there is any play in the gear (if it moves), this means the main drive shaft is broken.  
**Replace the main drive unit** (see the procedure below).

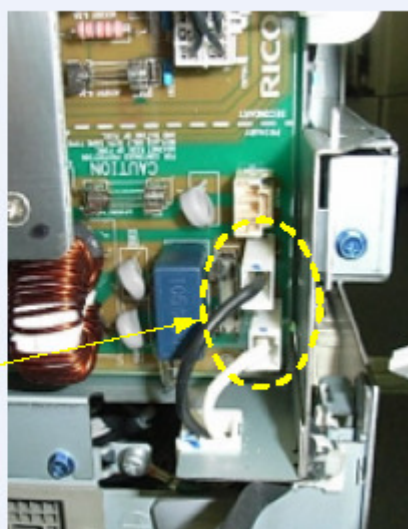
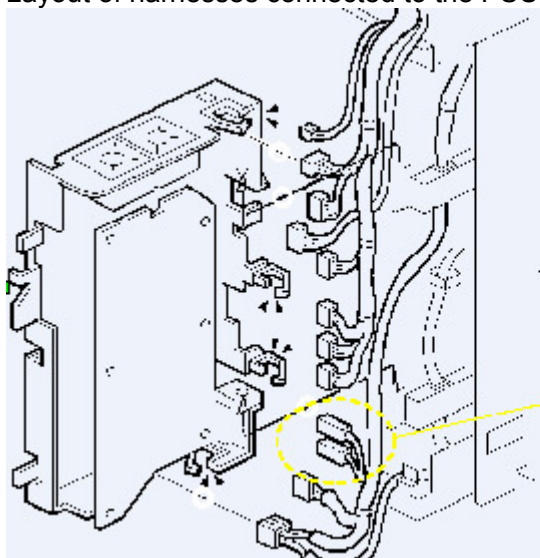
## II. Main drive unit replacement procedure

1. Remove the drum unit.
2. Remove the rear cover (screws x 7).
3. Remove the left cover (screws x 6).



4. Open out the ACU and ECU boards [A] (screws x 11).
5. Remove the PSU board [B] (screws x 7, connectors x 12).

Layout of harnesses connected to the PSU:



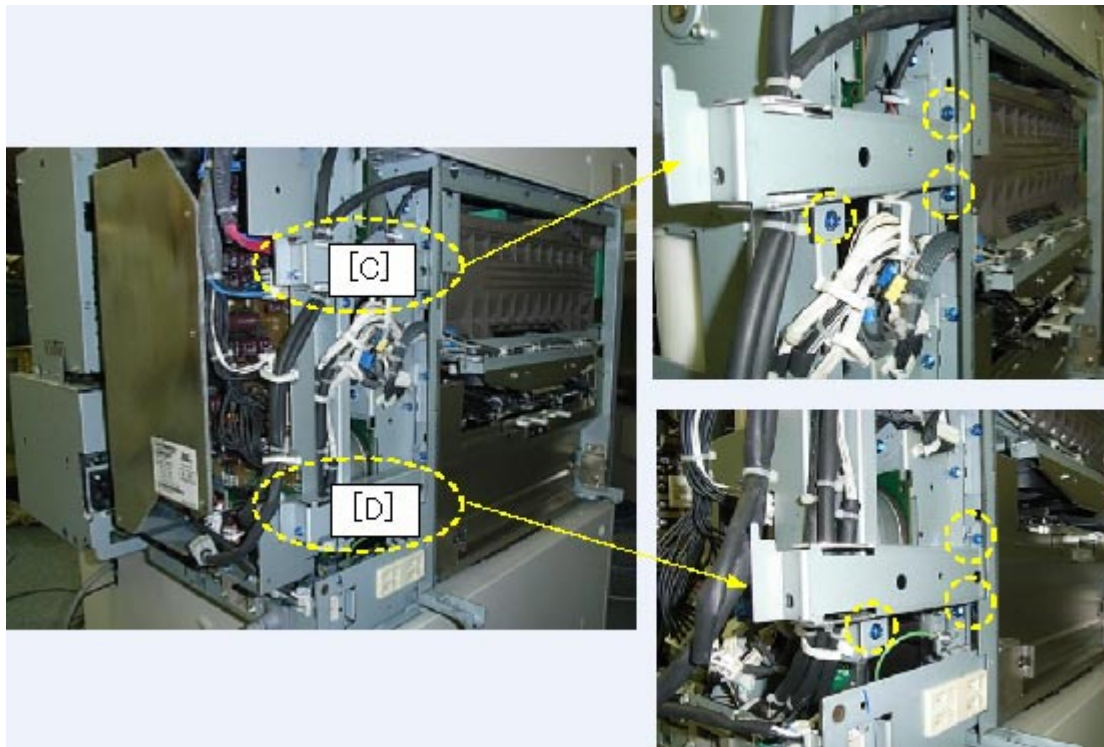


Model: CE4

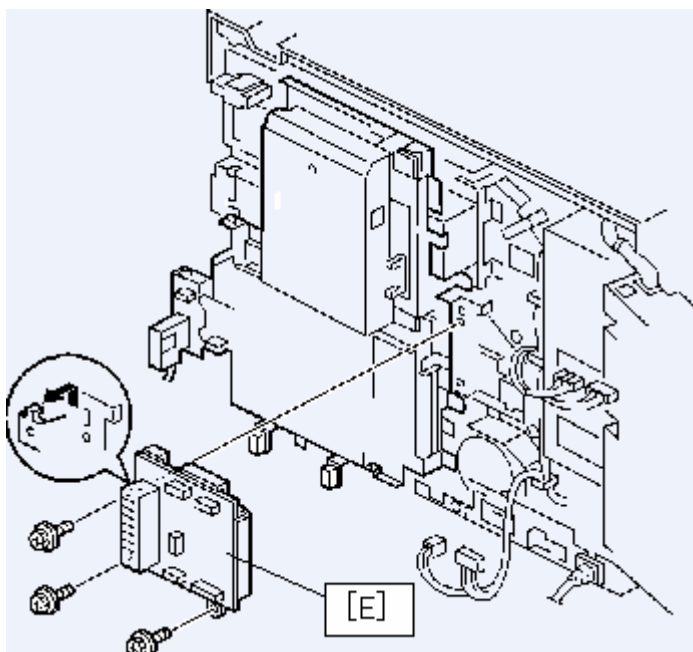
Date: 28-Oct-09

No.: RC269022

6. Remove the bracket [C] (screws x 3, clamps x 3).
7. Remove the bracket [D] (screws x 3).



8. Remove the main motor drive board [E] (screw x 3, connector x 4).



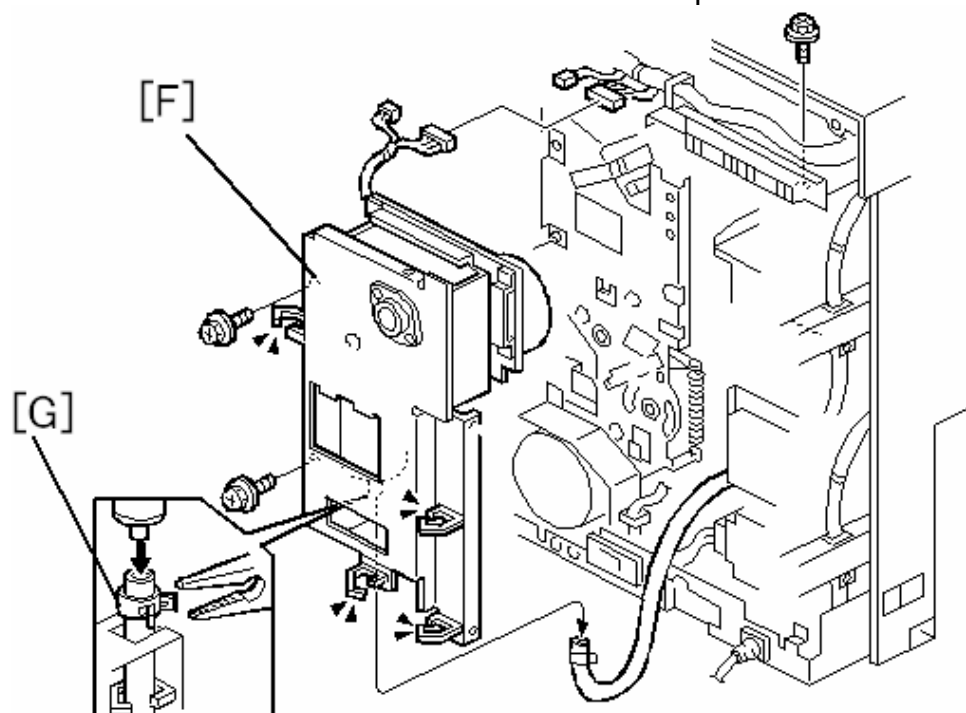
Model: CE4

Date: 28-Oct-09

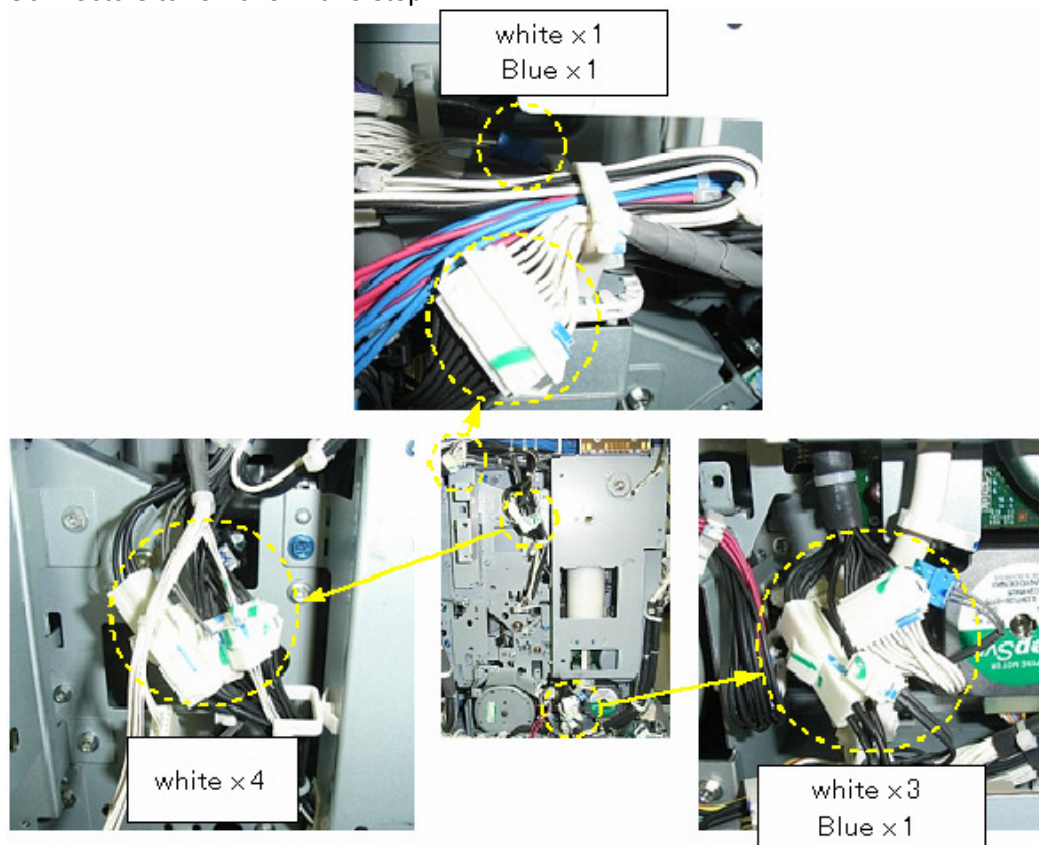
No.: RC269022

9. Remove the junction gate pump unit [F] (**Remove in this order:** screws x 3, connectors x 10, clamps x 5, tube clamp x 1).

**Note:** These ten connectors are shown in the photo of the connector layout below.



Connectors to remove in this step:

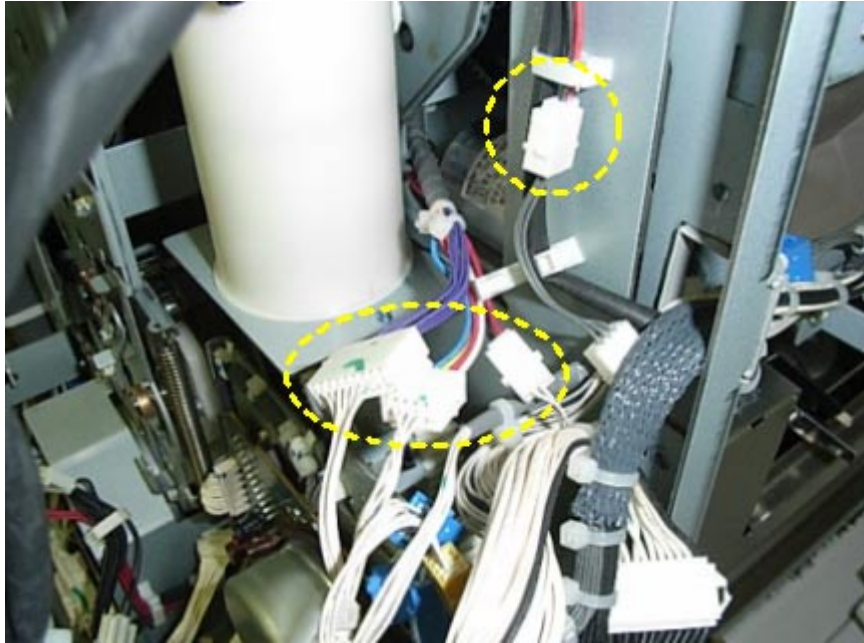


Model: CE4

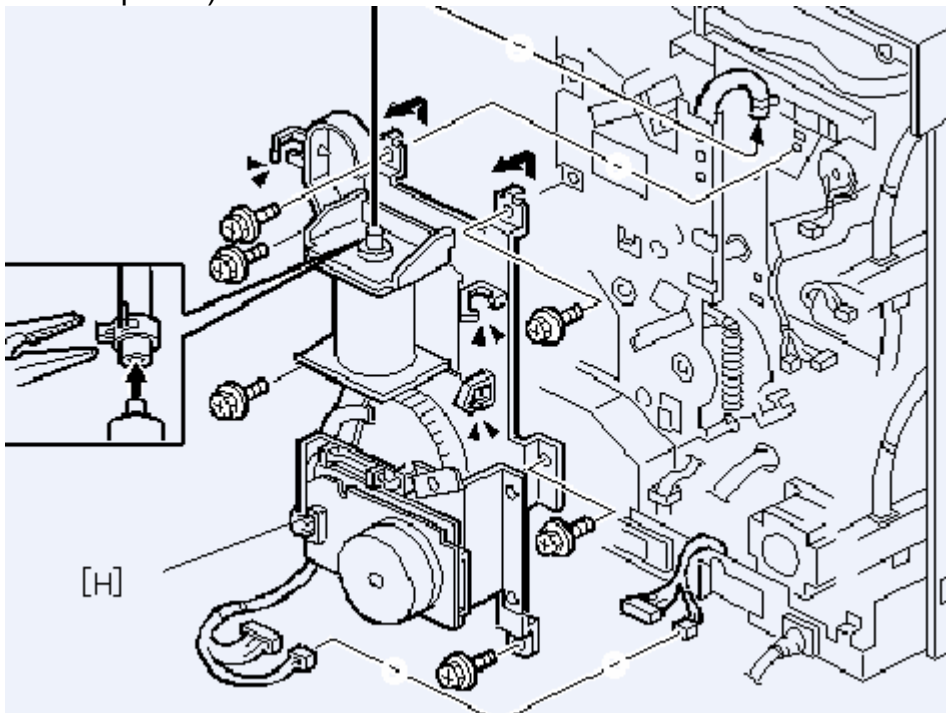
Date: 28-Oct-09

No.: RC269022

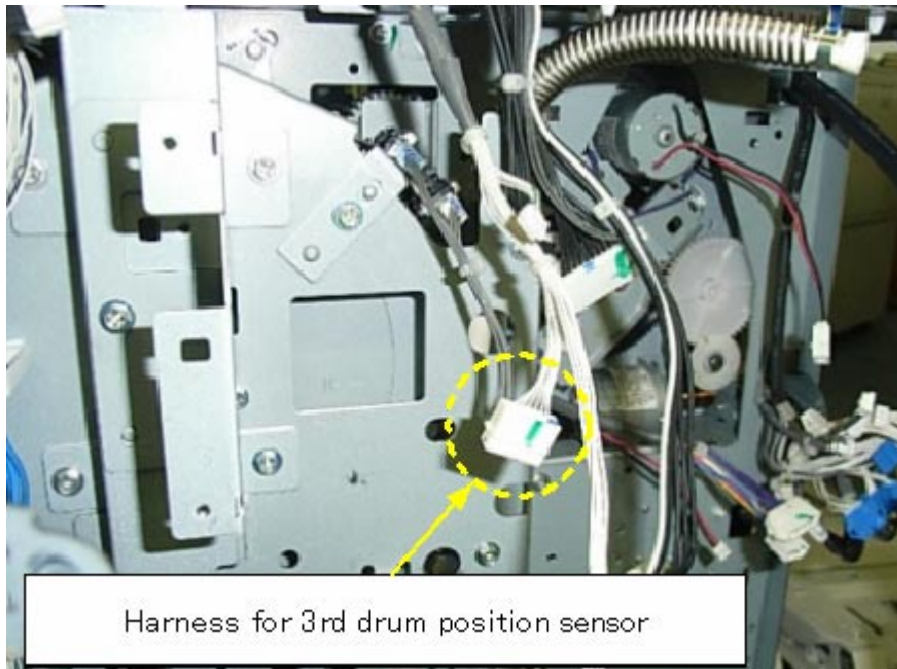
10. Remove the four connectors.



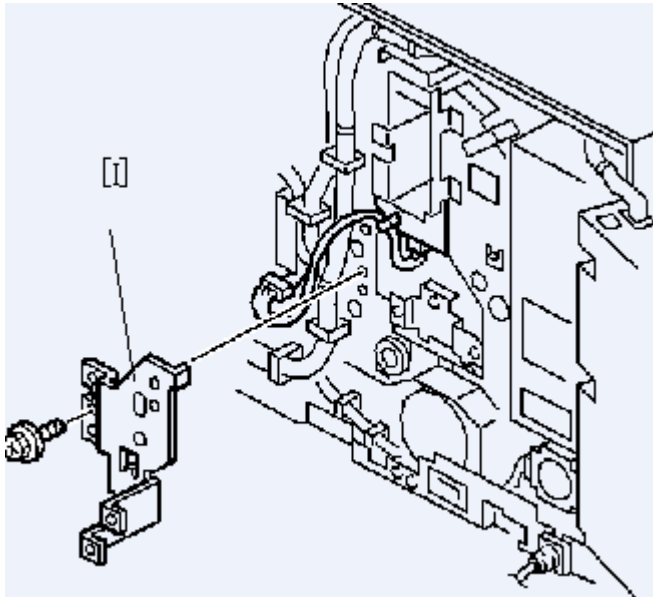
11. Remove the exit pawl pump unit [H] (screws x 6, connectors x 2, tube clamp x 1, clamps x 6).



12. Remove the connector.



13. Remove the main motor control board bracket [I] (screw x 1).



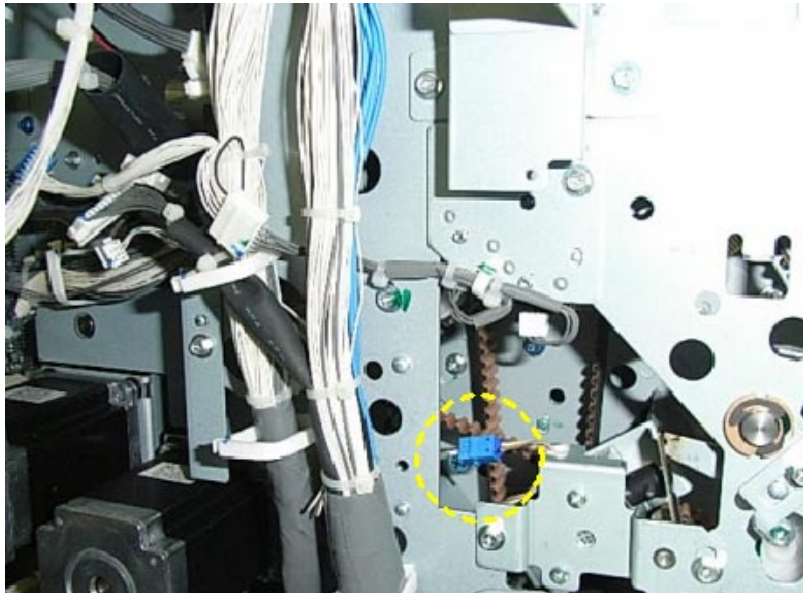


Model: CE4

Date: 28-Oct-09

No.: RC269022

14. Remove the connector.



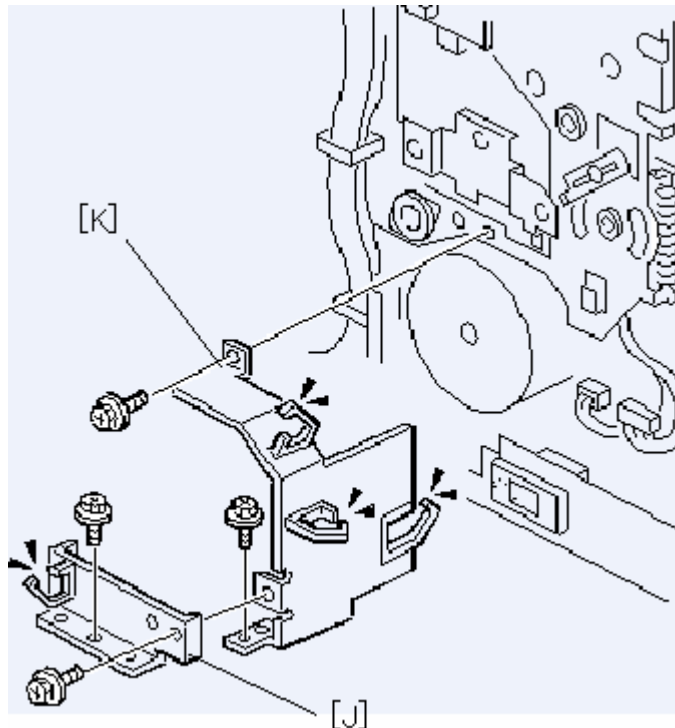


Model: CE4

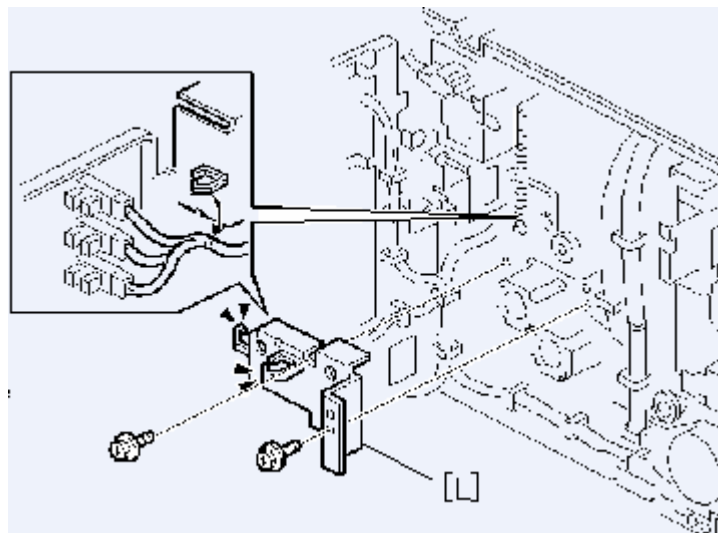
Date: 28-Oct-09

No.: RC269022

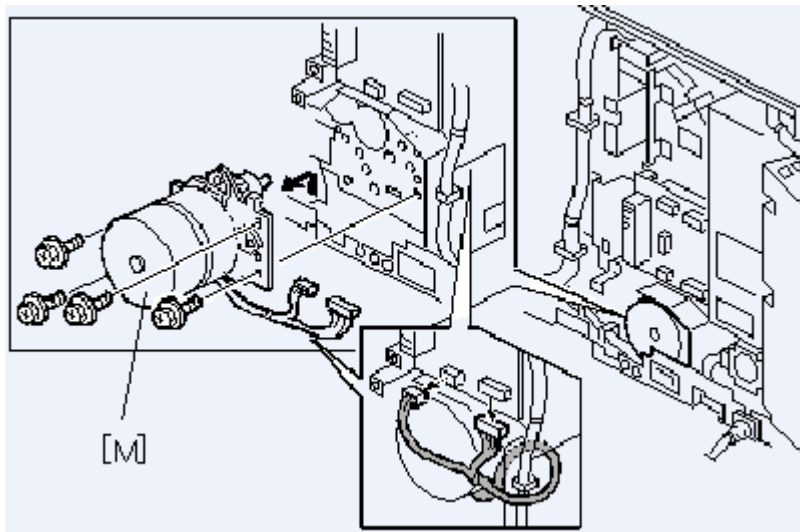
15. Remove the main motor bottom cover [J] (screws x 2, clamp x 1) and the main motor cover [K] (screws x 2, clamps x 3).



16. Remove the feed/registration motor cover [L] (screws x 2, clamps x 2).



17. Remove the main motor [M] (screws x 4, connectors x 2).



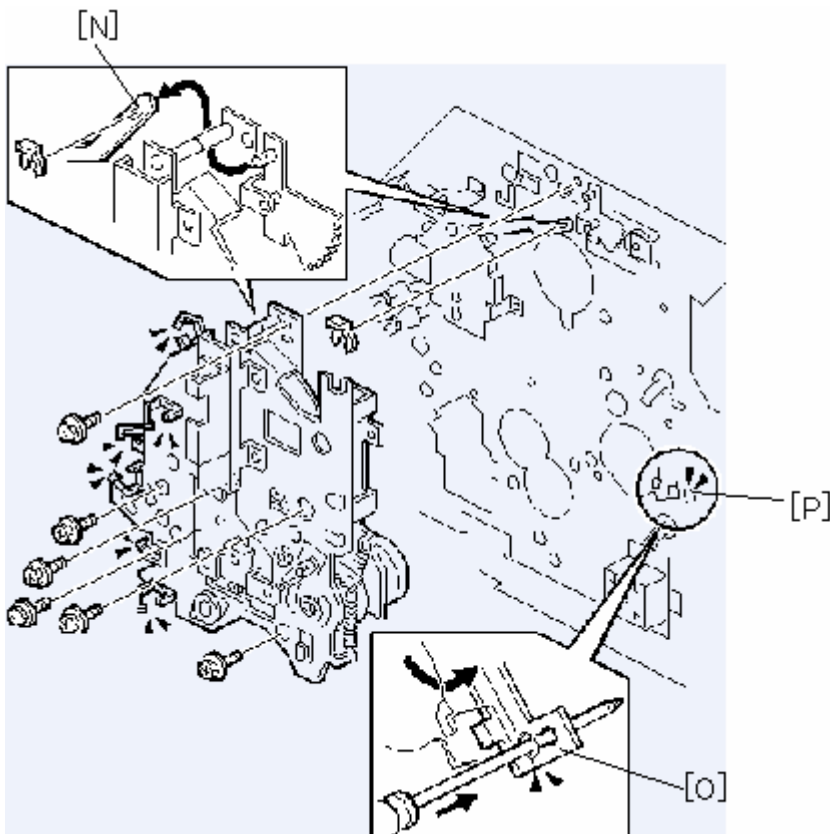
18. Remove the link [N] (snap ring x 1).

**Important:** Be careful not to bend the link.

19. Insert a screwdriver through the hole in the mainframe's rear face [P] and then through the hole in the exit pawl arm [O].

**Important:** Keep the screwdriver inserted until you install the new main drive unit.

20. Remove the main drive unit (screws x7, clamps x 6, connector x 1).

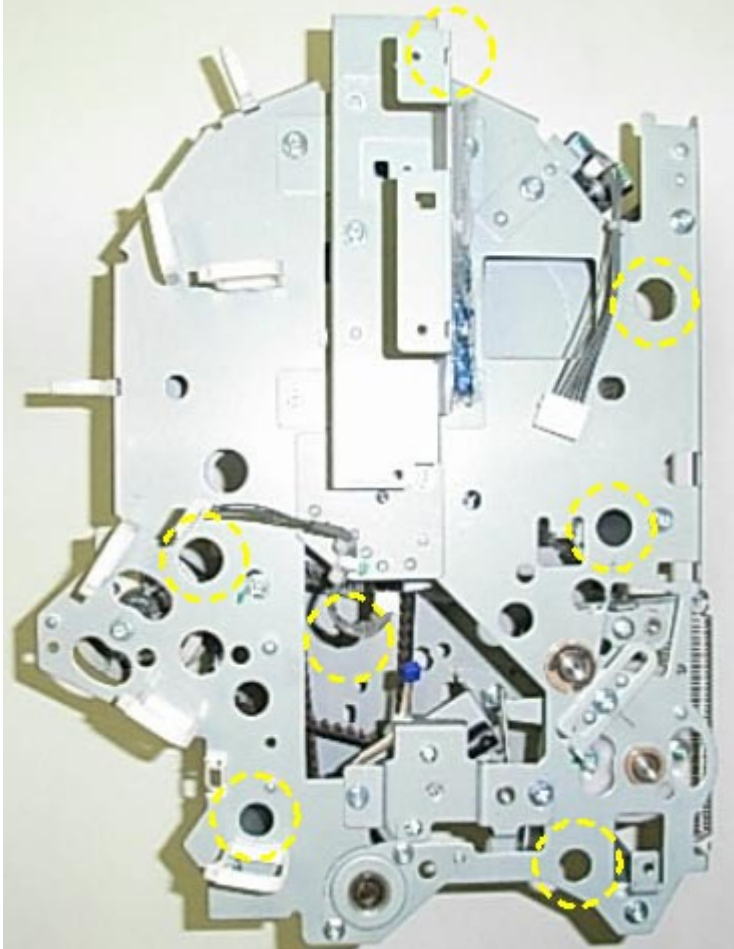


Model: CE4

Date: 28-Oct-09

No.: RC269022

Location of the seven screws on the main drive unit:

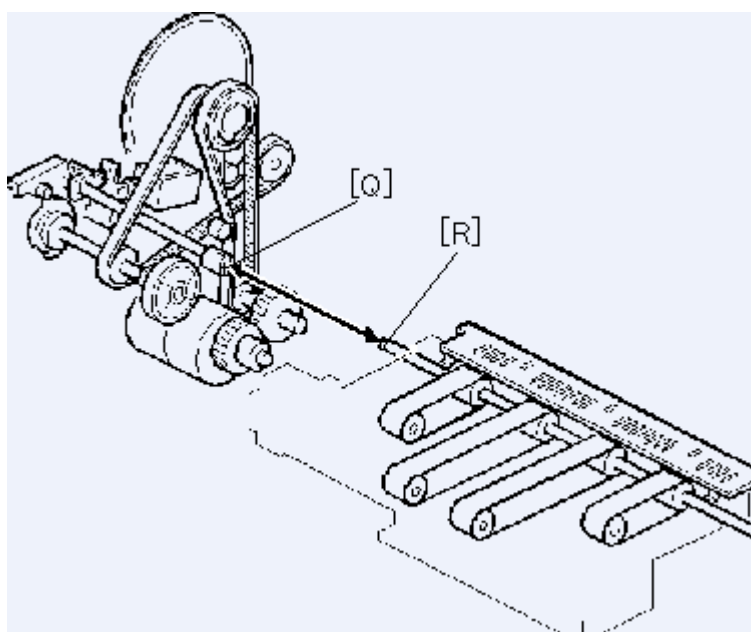


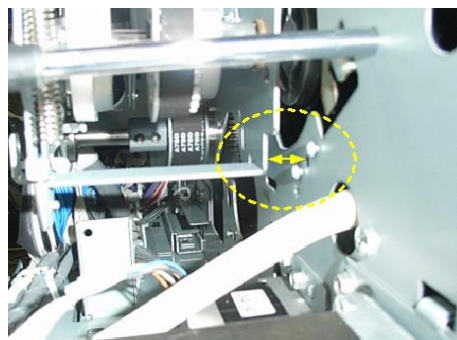
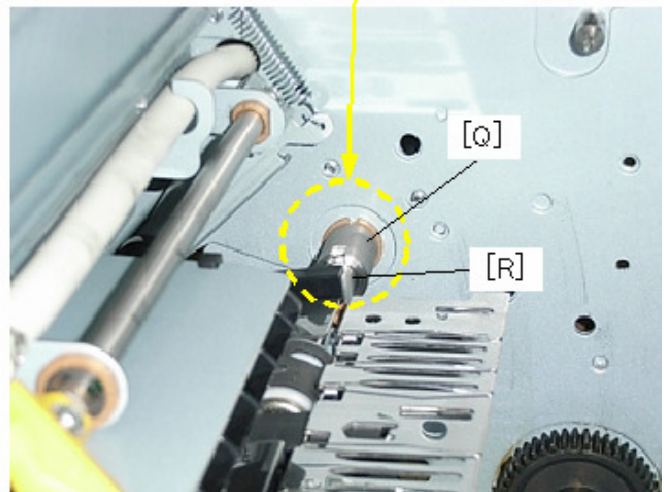
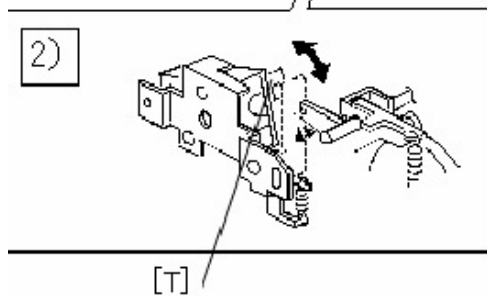
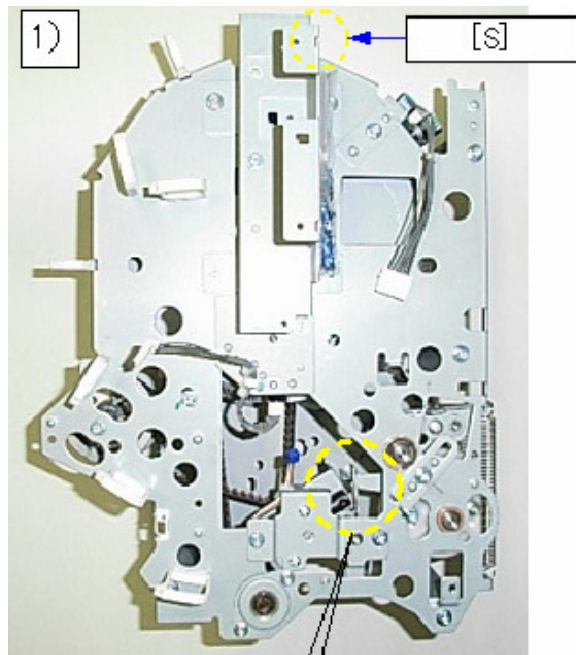
Model: CE4

Date: 28-Oct-09

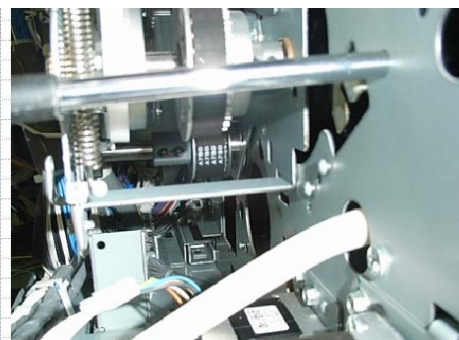
No.: RC269022

21. Release the junction gate release lever [T] (see the photos on the next page).
22. Attach the new main drive unit, and secure it in place temporarily using the screw [S] shown in the photo below.  
**Important:** Be careful not to bend the link.
23. From the operator side of the machine, check to see that the two shafts ([Q] and [R]) are connected correctly, as shown in the “**CORRECT**” photo on the next page.





Incorrect



CORRECT

24. Tighten the seven (7) screws to secure the new unit in place.

Model: CE4

Date: 28-Oct-09

No.: RC269022

25. Reattach all other parts you removed above in the reverse order.

**IMPORTANT:** Just before you re-attach the main motor drive board (in between Step 9 and Step 8 above), **do the following three adjustments:**

- 1) Gap adjustment between junction gate and press roller
- 2) Gap adjustment between junction gate and drum
- 3) Junction gate release lever adjustment

**See the adjustment procedures below.**

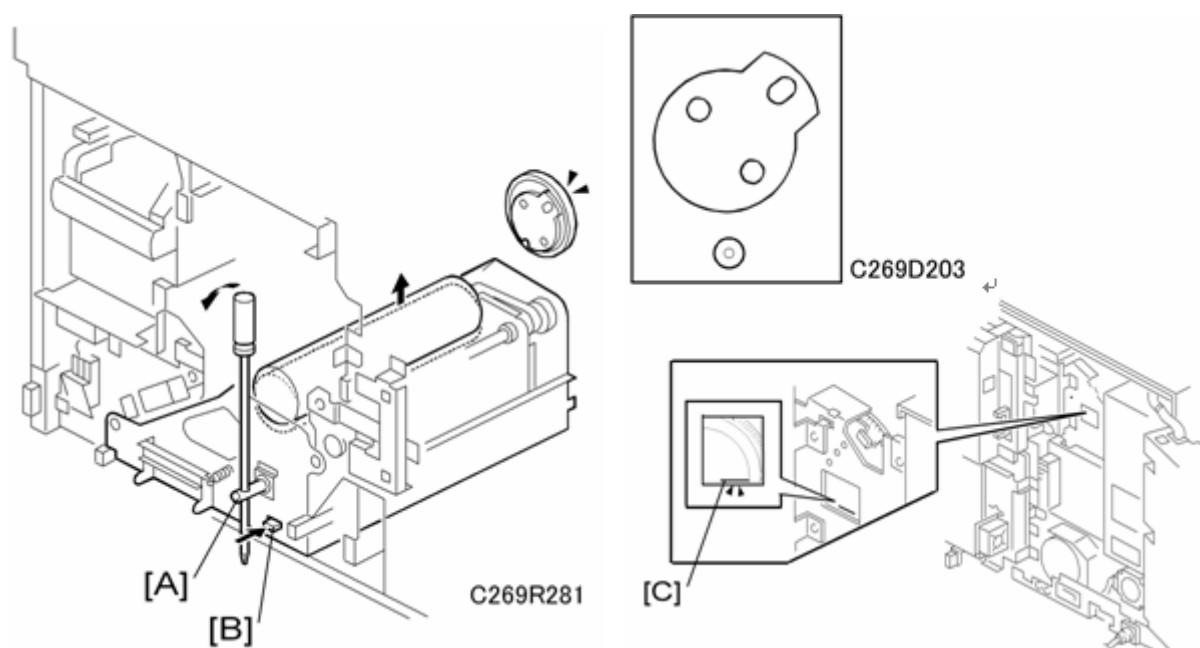


## Adjustment procedures

### I. Junction gate/press roller gap adjustment

1. Install the duplex unit.
2. Insert a screwdriver into the hole in the shaft [A].
3. Press the pressure release lever [B].
4. Turn the shaft until the drum drive disk is in the position shown below (angle of rotation: **230 degrees** from the drum home position).
5. Look through the window in the main drive unit at the scale on the main encoder disk and make sure that the angle of rotation is **230 degrees**.

**Note:** The angle of rotation is 230 degrees if the line marked "230" [C] on the main encoder disk is parallel to the bottom edge of the window.

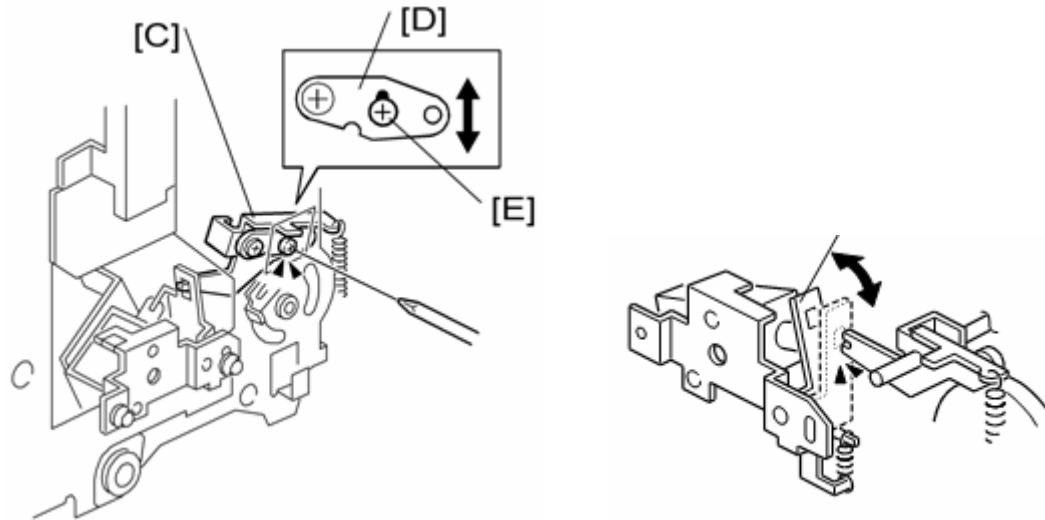


Model: CE4

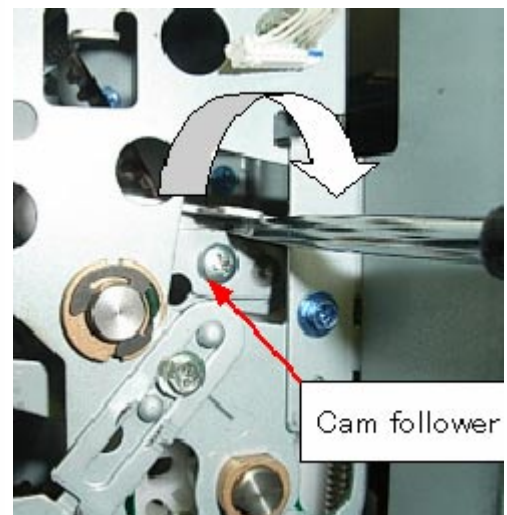
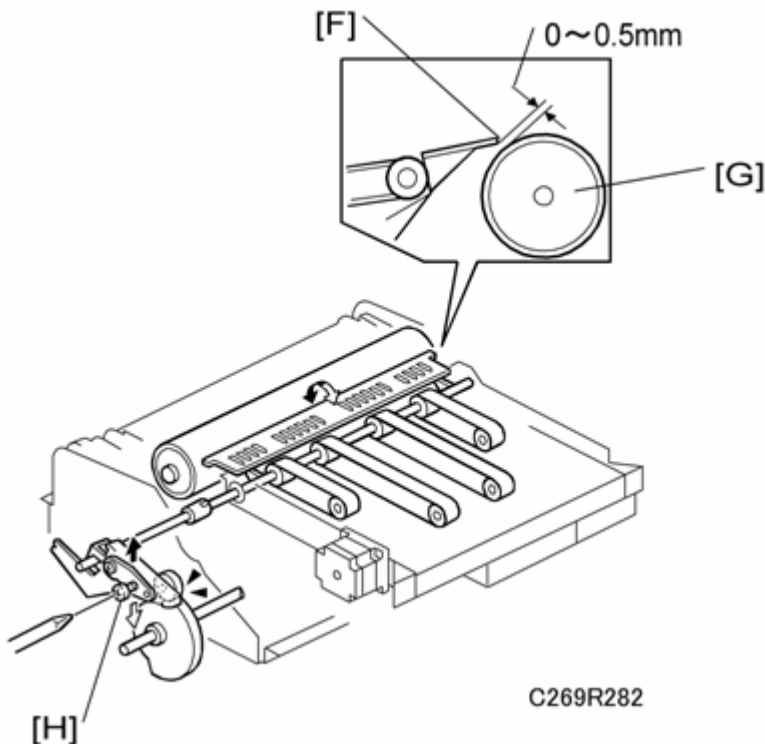
Date: 28-Oct-09

No.: RC269022

6. Release the junction gate release lever.
7. Loosen the screw [E] for the cam follower [D] of the junction gate release arm [C].



8. Adjust the gap between press roller [G] and junction gate plate [F] to **0 – 0.5mm**.  
**Important:** Insert a screwdriver as shown in the photo below and adjust the gap.
9. Tighten the screw [H].  
**Note:** This is the same screw as "[E]" in Step 6 above.





Model: CE4

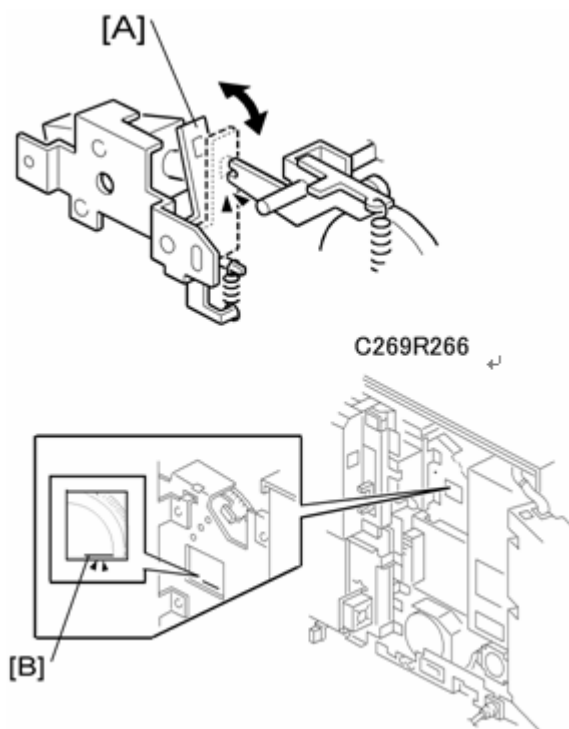
Date: 28-Oct-09

No.: RC269022

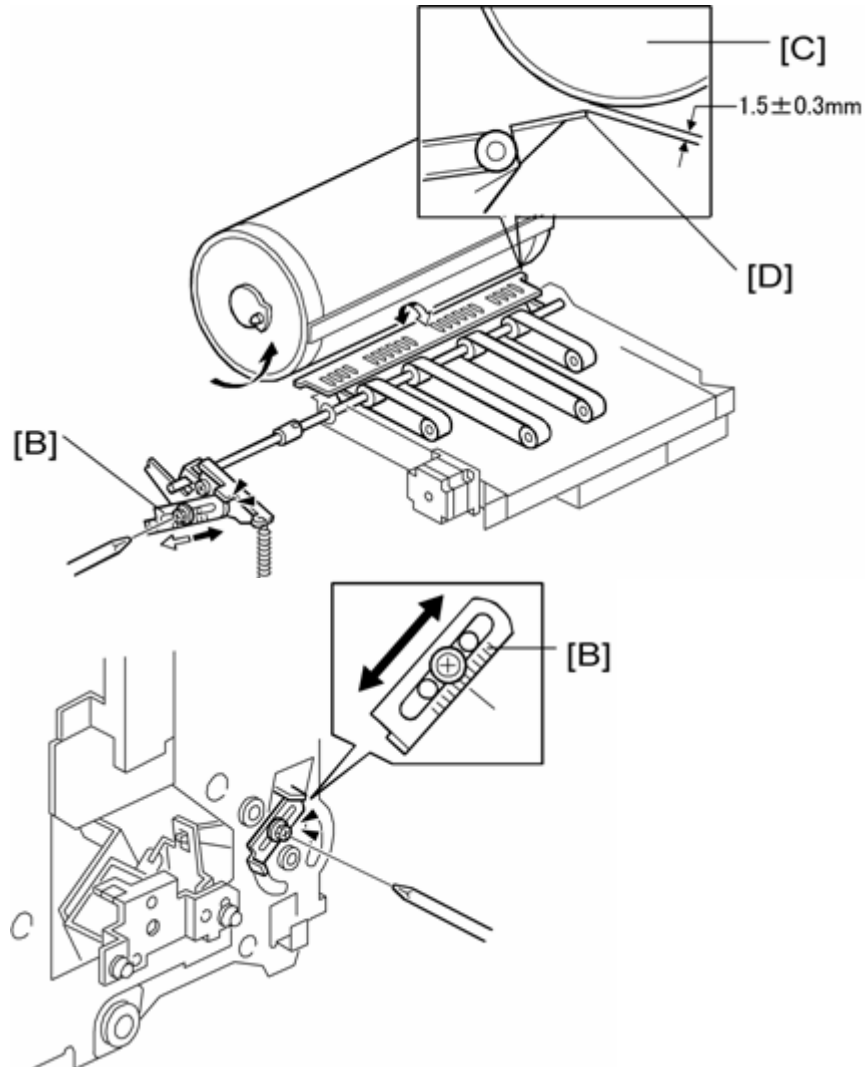
## II. Junction gate/drum gap adjustment

1. Install the drum.
2. Remove the duplex unit.
3. Release the junction gate release lever [A].
4. Rotate the main motor by hand to **90 degrees** from the drum home position.

**Note:** The angle of rotation is 90 degrees if the line marked "90" [B] on the main encoder disk is parallel to the bottom edge of the window.



5. Loosen the screw on the stopper [B].
6. Adjust the gap between junction gate [D] and drum [C] to  $1.5 \pm 0.3\text{mm}$ .
7. Tighten the screw [B].



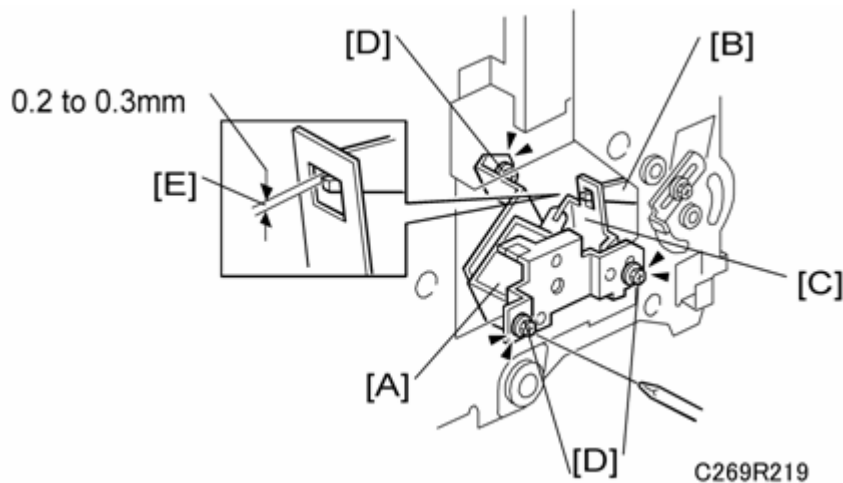
Model: CE4

Date: 28-Oct-09

No.: RC269022

**III. Junction gate/release lever gap adjustment**

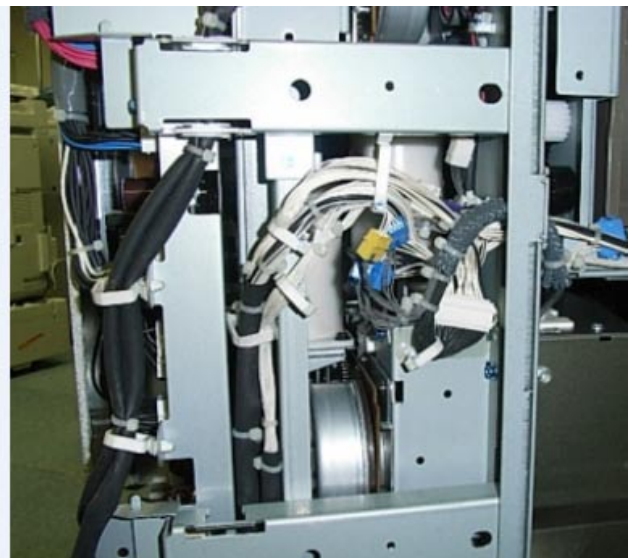
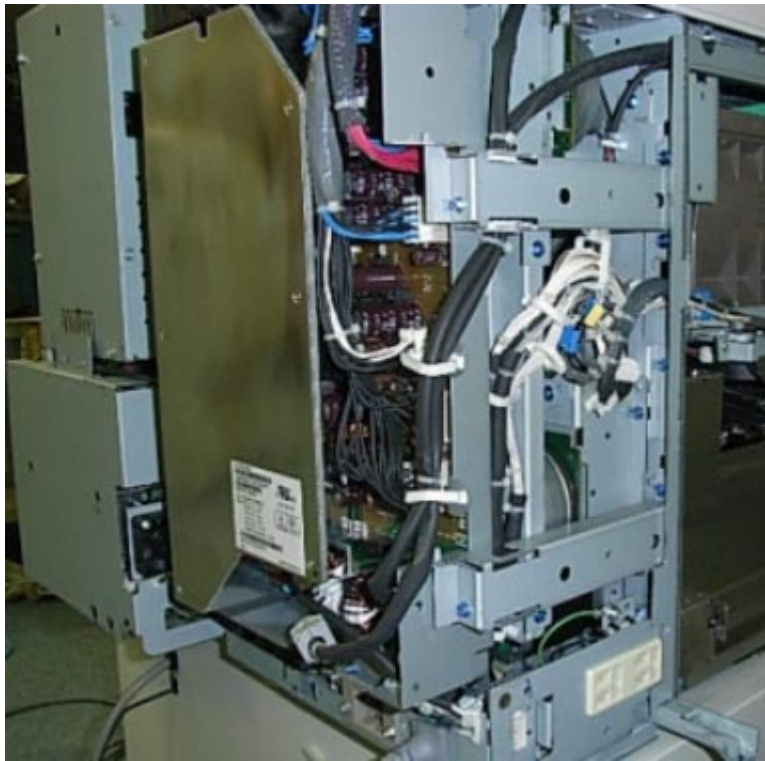
1. Install the drum.
2. Loosen the three screws [D] on the junction gate solenoid bracket [A].
3. Adjust the gap between junction gate release lever [B] and junction gate release bracket to **0.2mm – 0.3mm**.
4. Tighten the screws.



Model: CE4

Date: 28-Oct-09

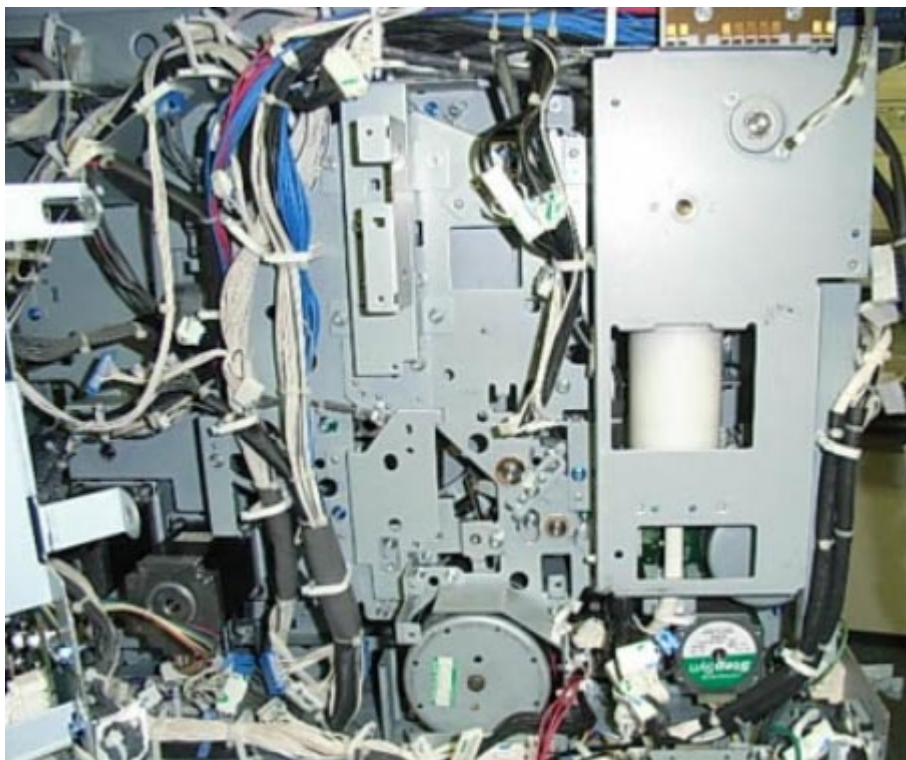
No.: RC269022

**APPENDIX: Harness layout**

Model: CE4

Date: 28-Oct-09

No.: RC269022



## Cut-in Serial Numbers

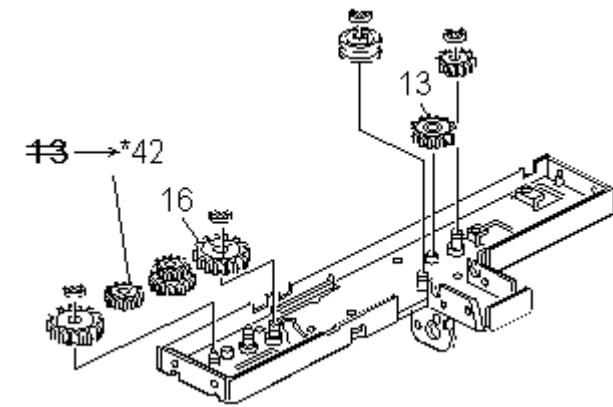
Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	N4881000000
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N4781000000
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N4681000000



Model: PRIORT CAT'S-EYE		Date: 08-Dec-09	No.: RC269023
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 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

**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	-	29	16	
-	H5194357	GEAR:IDLER:26Z	1	-	29	42*	



Reissued: 18-Dec-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003i
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>3.13</b>	<b>C2695174J</b>	<b>January 2010 production</b>
3.12	C2695174H	May 2009 production
3.11	C2695174G	March 2009 production
3.10	C2695174F	March 2009 production
3.02	C2695174E	January 2009 production
1.08	C2695174D	April 2008 production
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1 <sup>st</sup> Mass production

Reissued: 18-Dec-09

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003i
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Symptom Corrected	Suffix
<b>Symptom corrected:</b> <i>The master sometimes wraps around the master eject roller.</i>	<i>i</i>
<b>Important: To apply the above change, in addition to this firmware version, you also need to update the ECU firmware to ver1.33 (C2695114R) or newer.</b>	
The following SP modes were added for color drums (which are options):  SP6-31- 34: Print position 3 setting - Color 35: Print position 2 setting - Color 36: Print position 3 setting - Trial - Color 37: Print position 3 setting - Thick - Color 38: Print position 2 setting - Thick - Color 39: Print position 3 setting - Thick - Trial - Color 40: Feed Slow Down Timing - Color 41: Print position 3 setting- Trial - Duplex - Color  Important: To apply the above changes, make sure to update the ECU firmware to Ver. C2695114P. Note: The machine uses these SP settings only when a color drum is installed.	H
Firmware modified to support the new model in China.	G
Firmware modified to support the China model.	F
Other changes: Supports the new Wireless LAN card (802.11a/g).	E
Other changes: Supports the new HDD.	D
Other changes: 1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper. SP6-79 (Duplex Motor Delay B5): SP6-79-1: 16rpm (default: 20, setting range: 0-239) SP6-79-1: 30rpm (default: 20, setting range: 0-239) SP6-79-1: 60rpm (default: 16, setting range: 0-239) SP6-79-1: 75rpm (default: 15, setting range: 0-239) SP6-79-1: 90rpm (default: 15, setting range: 0-239) SP6-79-1: 105rpm (default: 12, setting range: 0-239) SP6-79-1: 120rpm (default: 11, setting range: 0-239) 2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".  <b>IMPORTANT:</b> To apply these changes, also install ECU ver1.24 or later.	C
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper.	B
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex)	A



**Reissued: 18-Dec-09**

<p>The amount of air used for the air knife can now be adjusted separately for simplex and duplex.</p> <p>2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed:</p> <p>Numbers changed:</p> <ul style="list-style-type: none"> <li>SP 6-031-5 --&gt; -15 (Print Position 2 Setting)</li> <li>SP 6-031-8 --&gt; -18 (Print Position 2 Setting –Thick)</li> <li>SP 6-031-10 --&gt; -20 (Feed Slow Down Timing)</li> </ul> <p>Default values changed:</p> <ul style="list-style-type: none"> <li>SP 6-031-4 --&gt; -14 (Print Position 3 Setting): "101"-&gt;"98"</li> <li>SP 6-031-7 --&gt; -17 (Print Position 3 Setting –Thick): "98"-&gt;"96"</li> </ul> <p>Added new SP mode:</p> <ul style="list-style-type: none"> <li>SP 6-031-16 (Print Position 3 Setting –Trial)</li> <li>SP 6-031-19 (Print Position 3 Setting -Thick –Trial)</li> <li>SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)</li> </ul> <p><b>IMPORTANT:</b> To apply these changes, also install ECU ver1.20 or later.</p>	
<p>1<sup>st</sup> Mass production</p>	<p>-</p>

Reissued: 18-Dec-09

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004m
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b>			
Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.33</i></b>	<b><i>C2695114R</i></b>	<b><i>C84E</i></b>	<b><i>January 2010 production</i></b>
1.31	C2695114Q	754C	October 2009 production
1.30	C2695114P	47DE	May 2009 production
1.29	C2695114N	6B95	January 2009 production
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b><i>Symptom corrected:</i></b> <b><i>The master sometimes wraps around the master eject roller.</i></b>  <b><i>Important: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.13 (C2695174J) or newer.</i></b>	<b><i>R</i></b>
Symptom corrected:  1. SC314 occurs when the machine recovers from an error.	Q
The following SP modes were added for color drums (which are options):	P

Reissued: 18-Dec-09

Symptom Corrected	Suffix
<p>SP6-31-</p> <p>34: Print position 3 setting - Color</p> <p>35: Print position 2 setting - Color</p> <p>36: Print position 3 setting - Trial - Color</p> <p>37: Print position 3 setting - Thick - Color</p> <p>38: Print position 2 setting - Thick - Color</p> <p>39: Print position 3 setting - Thick - Trial - Color</p> <p>40: Feed Slow Down Timing - Color</p> <p>41: Print position 3 setting- Trial - Duplex - Color</p> <p>Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H.</p> <p>Note: The machine uses these SP settings only when a color drum is installed.</p>	
<p>Symptom corrected:</p> <p>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</p> <p>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</p>	N
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p>	L

Reissued: 18-Dec-09

Symptom Corrected	Suffix
SP6-79-1: 90rpm (default: 15 => 16) SP6-79-1: 105rpm (default: 12 => 15) SP6-79-1: 120rpm (default: 11 => 13)  SP6-80 (Duplex Motor Delay A4): SP6-80-1: 16rpm (default: 20 not changed) SP6-80-1: 30rpm (default: 20 not changed) SP6-80-1: 60rpm (default: 16 => 18) SP6-80-1: 75rpm (default: 15 => 18) SP6-80-1: 90rpm (default: 15 => 18) SP6-80-1: 105rpm (default: 14 => 18) SP6-80-1: 120rpm (default: 14 => 18)	
Symptom corrected: 1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).  Other changes: 2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring. <ul style="list-style-type: none"> <li>When the main power is turned on</li> <li>When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
Other changes: The firmware was updated to support the changes made to ACU ver.1.07.  <b>IMPORTANT:</b> Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	H
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	G
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E
1 <sup>st</sup> Mass production	D

Reissued: 10-Feb-10

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004n
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b>			
Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.34</i></b>	<b><i>C2695114S</i></b>	<b><i>D256</i></b>	<b><i>January 2010 production</i></b>
1.33	C2695114R	C84E	January 2010 production
1.31	C2695114Q	754C	October 2009 production
1.30	C2695114P	47DE	May 2009 production
1.29	C2695114N	6B95	January 2009 production
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b><i>Symptom corrected:</i></b> <b><i>The master sometimes wraps around the master eject roller.</i></b>	<b><i>S</i></b>
Symptom corrected: The master sometimes wraps around the master eject roller.	R
Important: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.13 (C2695174J) or newer.	
Symptom corrected:	Q

Reissued: 10-Feb-10

Symptom Corrected	Suffix
<p>1. SC314 occurs when the machine recovers from an error.</p> <p>The following SP modes were added for color drums (which are options):</p> <p>SP6-31-</p> <p>34: Print position 3 setting - Color</p> <p>35: Print position 2 setting - Color</p> <p>36: Print position 3 setting - Trial - Color</p> <p>37: Print position 3 setting - Thick - Color</p> <p>38: Print position 2 setting - Thick - Color</p> <p>39: Print position 3 setting - Thick - Trial - Color</p> <p>40: Feed Slow Down Timing - Color</p> <p>41: Print position 3 setting- Trial - Duplex - Color</p> <p>Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H.</p> <p>Note: The machine uses these SP settings only when a color drum is installed.</p>	P
<p>Symptom corrected:</p> <p>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</p> <p>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</p>	N
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p>	L

Reissued: 10-Feb-10

Symptom Corrected	Suffix
SP6-79-1: 30rpm (default: 20 not changed) SP6-79-1: 60rpm (default: 16 => 17) SP6-79-1: 75rpm (default: 15 => 17) SP6-79-1: 90rpm (default: 15 => 16) SP6-79-1: 105rpm (default: 12 => 15) SP6-79-1: 120rpm (default: 11 => 13)  SP6-80 (Duplex Motor Delay A4): SP6-80-1: 16rpm (default: 20 not changed) SP6-80-1: 30rpm (default: 20 not changed) SP6-80-1: 60rpm (default: 16 => 18) SP6-80-1: 75rpm (default: 15 => 18) SP6-80-1: 90rpm (default: 15 => 18) SP6-80-1: 105rpm (default: 14 => 18) SP6-80-1: 120rpm (default: 14 => 18)	
Symptom corrected: 1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).  Other changes: 2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring. <ul style="list-style-type: none"> <li>When the main power is turned on</li> <li>When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
Other changes: The firmware was updated to support the changes made to ACU ver.1.07.  <b>IMPORTANT:</b> Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	H
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	G
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E
1 <sup>st</sup> Mass production	D



Reissued: 09-Jun-10

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003j
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date
<b>3.14</b>	<b>C2695174K</b>	<b>May 2010 production</b>
3.13	C2695174J	January 2010 production
3.12	C2695174H	May 2009 production
3.11	C2695174G	March 2009 production
3.10	C2695174F	March 2009 production
3.02	C2695174E	January 2009 production
1.08	C2695174D	April 2008 production
1.07	C2695174C	September 2007 production
1.06	C2695174B	May 2007 production
1.05	C2695174A	April 2007 production
1.04	C2695174	1st Mass production

Reissued: 09-Jun-10

<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003j
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Symptom Corrected	Suffix
<b>Version change only</b>	<b>J</b>
<p>Symptom corrected: The master sometimes wraps around the master eject roller.</p> <p>Important: To apply the above change, in addition to this firmware version, you also need to update the ECU firmware to ver1.33 (C2695114R) or newer.</p>	I
<p>The following SP modes were added for color drums (which are options):</p> <p>SP6-31-</p> <p>34: Print position 3 setting - Color</p> <p>35: Print position 2 setting - Color</p> <p>36: Print position 3 setting - Trial - Color</p> <p>37: Print position 3 setting - Thick - Color</p> <p>38: Print position 2 setting - Thick - Color</p> <p>39: Print position 3 setting - Thick - Trial - Color</p> <p>40: Feed Slow Down Timing - Color</p> <p>41: Print position 3 setting- Trial - Duplex - Color</p> <p>Important: To apply the above changes, make sure to update the ECU firmware to Ver. C2695114P.</p> <p>Note: The machine uses these SP settings only when a color drum is installed.</p>	H
Firmware modified to support the new model in China.	G
Firmware modified to support the China model.	F
<p>Other changes:</p> <p>Supports the new Wireless LAN card (802.11a/g).</p>	E
<p>Other changes:</p> <p>Supports the new HDD.</p>	D
<p>Other changes:</p> <p>1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper.</p> <p>    SP6-79 (Duplex Motor Delay B5):</p> <p>    SP6-79-1: 16rpm (default: 20, setting range: 0-239)</p> <p>    SP6-79-1: 30rpm (default: 20, setting range: 0-239)</p> <p>    SP6-79-1: 60rpm (default: 16, setting range: 0-239)</p> <p>    SP6-79-1: 75rpm (default: 15, setting range: 0-239)</p> <p>    SP6-79-1: 90rpm (default: 15, setting range: 0-239)</p> <p>    SP6-79-1: 105rpm (default: 12, setting range: 0-239)</p> <p>    SP6-79-1: 120rpm (default: 11, setting range: 0-239)</p> <p>2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".</p> <p>IMPORTANT: To apply these changes, also install ECU ver1.24 or later.</p>	C
<p>Symptom corrected:</p> <p>1. The image is doubled near the leading edge when using Thick Paper.</p>	B
Other changes:	A

**Reissued: 09-Jun-10**

<p>1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex.</p> <p>2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed:            SP 6-031-5 --&gt; -15   (Print Position 2 Setting)            SP 6-031-8 --&gt; -18   (Print Position 2 Setting –Thick)            SP 6-031-10 --&gt; -20 (Feed Slow Down Timing)  Default values changed:            SP 6-031-4 --&gt; -14   (Print Position 3 Setting): "101"-&gt;"98"            SP 6-031-7 --&gt; -17   (Print Position 3 Setting –Thick): "98"-&gt;"96"  Added new SP mode:            SP 6-031-16 (Print Position 3 Setting –Trial)            SP 6-031-19 (Print Position 3 Setting -Thick –Trial)            SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)</p> <p><b>IMPORTANT:</b> To apply these changes, also install ECU ver1.20 or later.</p>	
1st Mass production	-

Reissued: 17-Jun-10

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004o
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.36</i></b>	<b><i>C2695116</i></b>	<b><i>6321</i></b>	<b><i>May 2010 production</i></b>
1.34	C2695114S	D256	January 2010 production
<del>1.33</del>	<del>C2695114R</del>	<del>C84E</del>	<del>January 2010 production</del>
1.31	C2695114Q	754C	October 2009 production
1.30	C2695114P	47DE	May 2009 production
1.29	C2695114N	6B95	January 2009 production
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1 <sup>st</sup> Mass production

Symptom Corrected	Suffix
<b><i>Symptom corrected:</i></b> <b><i>A wrapping jam occurs when making duplex prints.</i></b>	-
Symptom corrected: The master sometimes wraps around the master eject roller.	S
Symptom corrected: <del>The master sometimes wraps around the master eject roller.</del>	R

Reissued: 17-Jun-10

Symptom Corrected	Suffix
<p><del>Important: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.13 (C2695174J) or newer.</del></p>	
<p>Symptom corrected:</p> <p>1. SC314 occurs when the machine recovers from an error.</p>	Q
<p>The following SP modes were added for color drums (which are options):</p> <p>SP6-31-</p> <p>34: Print position 3 setting - Color</p> <p>35: Print position 2 setting - Color</p> <p>36: Print position 3 setting - Trial - Color</p> <p>37: Print position 3 setting - Thick - Color</p> <p>38: Print position 2 setting - Thick - Color</p> <p>39: Print position 3 setting - Thick - Trial - Color</p> <p>40: Feed Slow Down Timing - Color</p> <p>41: Print position 3 setting- Trial - Duplex - Color</p> <p>Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H.</p> <p>Note: The machine uses these SP settings only when a color drum is installed.</p>	P
<p>Symptom corrected:</p> <p>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</p> <p>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</p>	N
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p>	L

Reissued: 17-Jun-10

Symptom Corrected	Suffix
<p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p> <p>SP6-80-1: 60rpm (default: 16 =&gt; 18)</p> <p>SP6-80-1: 75rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 90rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 105rpm (default: 14 =&gt; 18)</p> <p>SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	
<p>Symptom corrected:</p> <p>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p> <p>Other changes:</p> <p>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring.</p> <ul style="list-style-type: none"> <li>When the main power is turned on</li> <li>When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
<p>Other changes:</p> <p>The firmware was updated to support the changes made to ACU ver.1.07.</p> <p>IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).</p>	H
<p>Symptom corrected:</p> <p>1. The registration of the last print shifts</p> <p>Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed)</p> <p>Note:</p> <p>You need to replace the ROM for Duplex (C2695134=&gt;C2695136) to activate the above correction.</p>	G
<p>Symptom corrected:</p> <p>1. The image is doubled near the leading edge when using Thick Paper.</p> <p>2. An A4-cut master wraps around the master eject roller.</p>	F
<p>Other changes:</p> <p>1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.</p>	E
1st Mass production	D

Reissued: 18-Aug-10

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004p
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date
<b><i>1.37</i></b>	<b><i>C2695116A</i></b>	<b><i>B9D3</i></b>	<b><i>June 2010 production</i></b>
1.36	C2695116	6321	May 2010 production
1.34	C2695114S	D256	January 2010 production
<del>1.33</del>	<del>C2695114R</del>	<del>C84E</del>	<del>January 2010 production</del>
1.31	C2695114Q	754C	October 2009 production
1.30	C2695114P	47DE	May 2009 production
1.29	C2695114N	6B95	January 2009 production
1.28	C2695114M	3C83	December 2008 production
1.27	C2695114L	BDA8	May 2008 production
1.25	C2695114J	746E	December 2007 production
1.24	C2695114H	4199	September 2007 production
1.23	C2695114G	4DF1	June 2007 production
1.22	C2695114F	2515	May 2007 production
1.20	C2695114E	A4C8	April 2007 production
1.19	C2695114D	8B19	1st Mass production

Symptom Corrected	Suffix
<b><i>Minor bug correction.</i></b>	<b><i>A</i></b>
<b><i>Symptom corrected:</i></b> <b><i>A wrapping jam occurs when making duplex prints.</i></b>	-
Symptom corrected: The master sometimes wraps around the master eject roller.	S



Reissued: 18-Aug-10

Symptom Corrected	Suffix
<p>Symptom corrected:</p> <p><del>The master sometimes wraps around the master eject roller.</del></p> <p><del>Important: To apply the above change, in addition to this firmware version, you also need to update the ACU firmware to ver3.13 (C2695174J) or newer.</del></p>	R
<p>Symptom corrected:</p> <p>1. SC314 occurs when the machine recovers from an error.</p>	Q
<p>The following SP modes were added for color drums (which are options):</p> <p>SP6-31-</p> <p>34: Print position 3 setting - Color</p> <p>35: Print position 2 setting - Color</p> <p>36: Print position 3 setting - Trial - Color</p> <p>37: Print position 3 setting - Thick - Color</p> <p>38: Print position 2 setting - Thick - Color</p> <p>39: Print position 3 setting - Thick - Trial - Color</p> <p>40: Feed Slow Down Timing - Color</p> <p>41: Print position 3 setting- Trial - Duplex - Color</p> <p>Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H.</p> <p>Note: The machine uses these SP settings only when a color drum is installed.</p>	P
<p>Symptom corrected:</p> <p>Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master.</p> <p>Note: From this firmware version, the rear cam is used when printing onto A4 LEF.</p>	N
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p>	L

Reissued: 18-Aug-10

Symptom Corrected	Suffix
<p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p> <p>SP6-80-1: 60rpm (default: 16 =&gt; 18)</p> <p>SP6-80-1: 75rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 90rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 105rpm (default: 14 =&gt; 18)</p> <p>SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	
<p>Symptom corrected:</p> <p>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p> <p>Other changes:</p> <p>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring.</p> <ul style="list-style-type: none"> <li>- When the main power is turned on</li> <li>- When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
<p>Other changes:</p> <p>The firmware was updated to support the changes made to ACU ver.1.07.</p> <p>IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).</p>	H
<p>Symptom corrected:</p> <p>1. The registration of the last print shifts</p> <p>Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed)</p> <p>Note:</p> <p>You need to replace the ROM for Duplex (C2695134=&gt;C2695136) to activate the above correction.</p>	G
<p>Symptom corrected:</p> <p>1. The image is doubled near the leading edge when using Thick Paper.</p> <p>2. An A4-cut master wraps around the master eject roller.</p>	F
<p>Other changes:</p> <p>1. The ON timing for the master buffer fan was changed, to keep the masters in the</p>	E

Reissued: 18-Aug-10

Symptom Corrected	Suffix
master duct separate from one another.	
1st Mass production	D

Model: CE4		Date: 20-Oct-10	No.: RC269024
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
C2695300	C2695320	DC POWER SUPPLY: MAIN: ASS'Y	1	X/O as a set	113	12	
C2695262	C2695212	HARNESS:DC DRIVE: OUTPUT: ASS'Y	1		111	10	
C2695216	C2695217	HARNESS:MAIN SWITCH:ASS'Y	1		113	13	

**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 SD462	120/60	North America	C269-11	N4800500001
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N4700500001
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N4600500001

Reissued:07-Mar-11

Model: CE4	Date: 08-Feb-11	No.: RC269025a
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## RTB Reissue

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

Subject: Paper jam at around drum		Prepared by: K. Yamamoto	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input checked="" 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

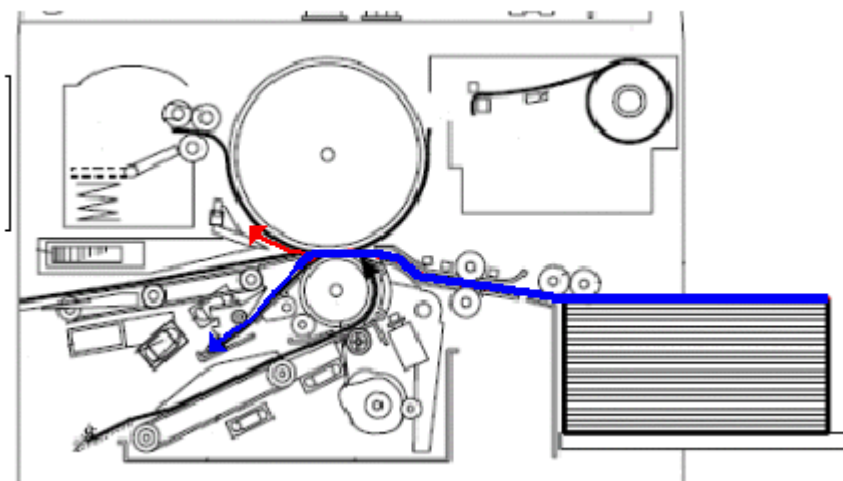
***Cut in serial number is added***

## SYMPTOM

When printing an image containing a solid image along the leading edge, the paper wraps around the drum and jams.

## CAUSE

The solid image area along the leading edge sticks to the drum, preventing the paper from separating from the drum properly. (The paper follows the path shown by the red line in the photo below, when it should follow the path shown by the blue line).



**Reissued:07-Mar-11**

Model: CE4

Date: 08-Feb-11

No.: RC269025a

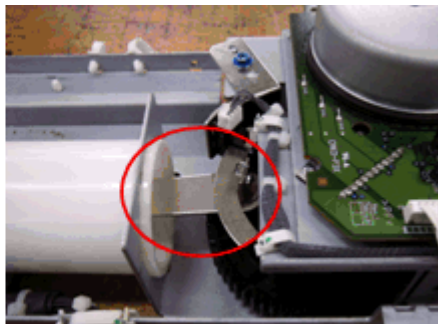
## SOLUTION

The following three changes were made in order to strengthen the airflow from the junction gate pump and improve air pump control.

1. The shapes of the parts in the table were changed.

Old mechanism

New mechanism



Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
C2693119	C2693118	GEAR:Z66:PISTON:EXCHANGE POWL:PRESS FIT	1	O/O	17	10	
C2693119	C2693118	GEAR:Z66:PISTON:EXCHANGE POWL:PRESS FIT	1	X/X	19	14	X/O as a set
C2693056	C2693057	PISTON:PUMP:EXCHANGE POWL:ASS'Y	1	X/X	19	20	
C2693130	C2693140	GUIDE PLATE:PISTON:PUMP:EXCHANGE POWL:ASS'Y	1	X/X	19	18	
C2693124	C2693137	PIN:DRIVE:PISTON:DUPLEX: EXCHANGE POWL	1	X/X	19	15	
C2693126	C2693138	BRACKET:PISTON:PUMP:HOME POSITION SENSOR:EXCHANGE POWL	1	X/X	19	5	
C2693128	C2693139	SHIELDING PLATE:PISTON:PUMP:DUPLEX:EXCHANGE POWL	1	X/X	19	10	

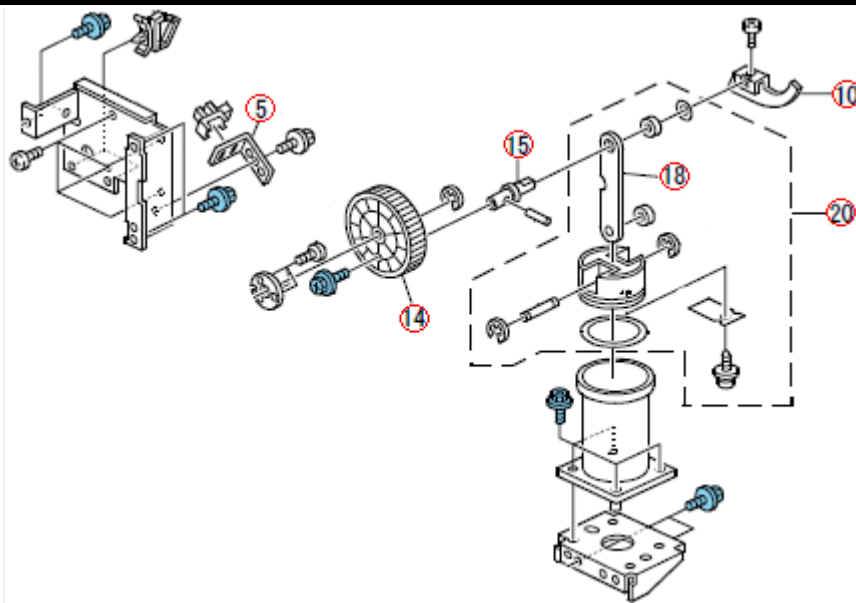
**Note:** P/N C2693118 in the illustration below is used in two places: on the exit pawl (pg. 17, index 10) use the hole which is circled in **blue** in the illustration below and on the junction gate pump (pg. 19, index 14) use the hole which is circled in **red** in the illustration below. The one used for the junction gate pump was modified for this symptom.

Reissued:07-Mar-11

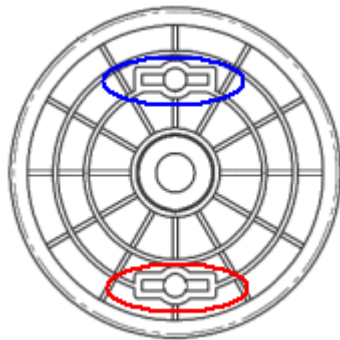
Model: CE4

Date: 08-Feb-11

No.: RC269025a



P/N C2693118

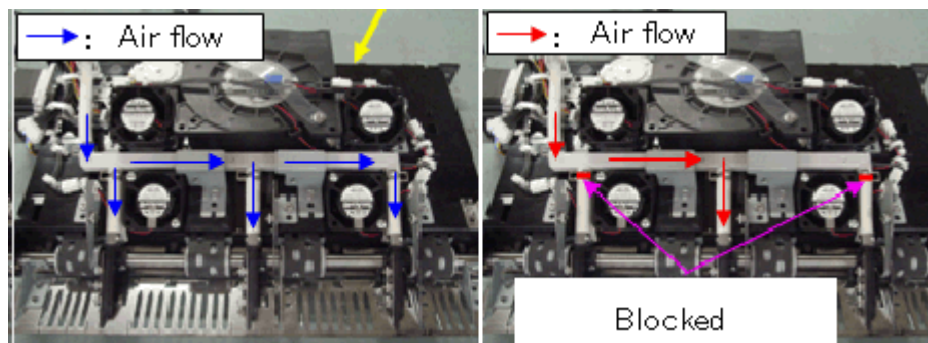




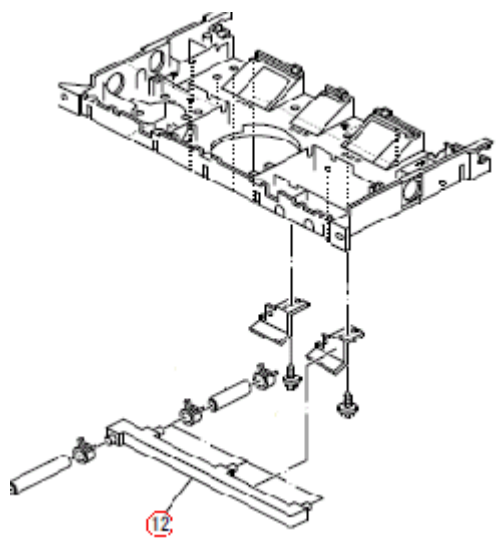
Reissued:07-Mar-11

Model: CE4	Date: 08-Feb-11	No.: RC269025a
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2. Two nozzles were blocked (the total number of nozzles is now one).



Old #	New #	Description	Qty	Int	Page	Index
C2693935	<b>C2693975</b>	PIPE:GATE:MIDDLE:ADHESION	1	X/O	41	12
C2693800	<b>C2693801</b>	HALE UNIT:ASS'Y (Paper delivery unit)	1	X/O	37	*



**Reissued:07-Mar-11**

Model: CE4	Date: 08-Feb-11	No.: RC269025a
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3. Air pump control was improved through the following firmware modifications.

Modified firmware:

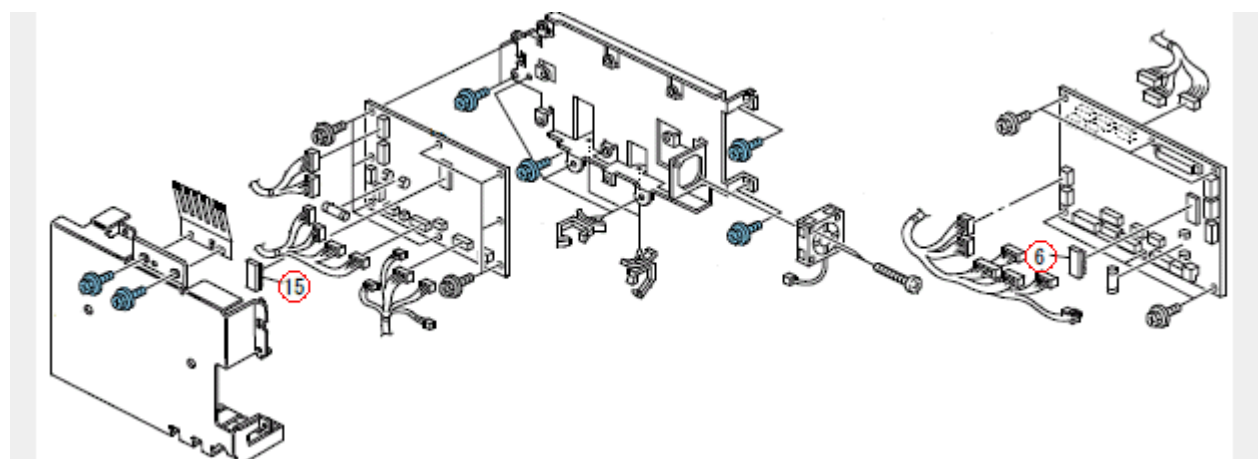
ECU: **C2695116** (later than Ver1.36)

I/O ROM: **C2695126** (later than Ver1.11)

Duplex ROM: **C2695140** (later than Ver1.26)

**Important:** To apply the new changes, make sure to update all three firmware **together as a set**.

Old #	New #	Description	Qty	Int	Page	Index
C2695124	<b>C2695126</b>	EPROM:I/O CONTROL	1	X/O	111	6
C2695136	<b>C2695140</b>	EPROM:DUPLEX	1	X/O	111	15



## Cut in Serial Numbers

Model Name	V/Hz	Destination	Code	Serial Number
Standard SD462	120/60	North America	C269-11	N4800500001
Ricoh DX4640PD, Ges CP6340D, Savin 3585DNP2, Lanier LDD350d	120/60	North America, Latin America	C269-52	N4700500001
Ricoh DX4640PD	230/50	Europe, Asia	C269-53	N4600500001

Reissued: 09-Mar-11

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003k
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

This RTB contains the software release information for the Cat's-eye ACU.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	Effective Date	Availability of RFU
<b>3.15</b>	<b>C2695174L</b>	<b>April 2011 production</b>	<b>Not available</b>
3.14	C2695174K	May 2010 production	Not available
3.13	C2695174J	January 2010 production	Not available
3.12	C2695174H	May 2009 production	Not available
3.11	C2695174G	March 2009 production	Not available
3.10	C2695174F	March 2009 production	Not available
3.02	C2695174E	January 2009 production	Not available
1.08	C2695174D	April 2008 production	Not available
1.07	C2695174C	September 2007 production	Not available
1.06	C2695174B	May 2007 production	Not available
1.05	C2695174A	April 2007 production	Not available
1.04	C2695174	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.

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<b>Model:</b> PRIPORT Cats-eye	<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-003k
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Symptom Corrected	Suffix
<b>Symptom corrected:</b>	<b>K</b>
<b>Wording errors (WIM display).</b>	
Version change only	J
Symptom corrected: 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 ECU firmware to ver1.33 (C2695114R) or newer.	
The following SP modes were added for color drums (which are options):	H
SP6-31- 34: Print position 3 setting - Color 35: Print position 2 setting - Color 36: Print position 3 setting - Trial - Color 37: Print position 3 setting - Thick - Color 38: Print position 2 setting - Thick - Color 39: Print position 3 setting - Thick - Trial - Color 40: Feed Slow Down Timing - Color 41: Print position 3 setting- Trial - Duplex - Color	
Important: To apply the above changes, make sure to update the ECU firmware to Ver. C2695114P.	
Note: The machine uses these SP settings only when a color drum is installed.	
Firmware modified to support the new model in China.	G
Firmware modified to support the China model.	F
Other changes: Supports the new Wireless LAN card (802.11a/g).	E
Other changes: Supports the new HDD.	D
Other changes: 1. The following SP modes were added. This makes it possible to adjust the motor delay for B5 paper. SP6-79 (Duplex Motor Delay B5): SP6-79-1: 16rpm (default: 20, setting range: 0-239) SP6-79-1: 30rpm (default: 20, setting range: 0-239) SP6-79-1: 60rpm (default: 16, setting range: 0-239) SP6-79-1: 75rpm (default: 15, setting range: 0-239) SP6-79-1: 90rpm (default: 15, setting range: 0-239) SP6-79-1: 105rpm (default: 12, setting range: 0-239) SP6-79-1: 120rpm (default: 11, setting range: 0-239) 2. The name for SP6-80 was changed from "Duplex Motor Delay" to "Duplex Motor Delay A4".  IMPORTANT: To apply these changes, also install ECU ver1.24 or later.	C

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Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper.	B
Other changes: 1. The following SP mode was added: SP2-006-27 (Air Knife Wind Amount-Duplex) The amount of air used for the air knife can now be adjusted separately for simplex and duplex.  2. The new SP modes are added and the numbers and/or default values for the following SP modes were changed: Numbers changed: SP 6-031-5 --> -15 (Print Position 2 Setting) SP 6-031-8 --> -18 (Print Position 2 Setting –Thick) SP 6-031-10 --> -20 (Feed Slow Down Timing) Default values changed: SP 6-031-4 --> -14 (Print Position 3 Setting): "101"->"98" SP 6-031-7 --> -17 (Print Position 3 Setting –Thick): "98"->"96" Added new SP mode: SP 6-031-16 (Print Position 3 Setting –Trial) SP 6-031-19 (Print Position 3 Setting -Thick –Trial) SP 6-031-21 (Print Position 3 Setting -Trial –Duplex)	A
IMPORTANT: To apply these changes, also install ECU ver1.20 or later.	
1st Mass production	-

Reissued: 11-Mar-11

<b>Model:</b> PRIPORT Cats-eye		<b>Date:</b> 29-Mar-07	<b>No:</b> R-C269-004q
<b>Subject:</b> Firmware Modification History		<b>Prepared by:</b> K. Yamamoto, Priport Service Planning Section	
<b>Classification:</b>	<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 (      )		
<b>Model Name:</b> Cat's-eye: Ricoh DX4640PD, Gestetner CP6340D, Savin 3585DNP2, Standard SD462, Lanier LDD350d			

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

This RTB contains the software release information for the Cat's-eye ECU.

The all the following ECU Firmware are for an IC card. Do not use an SD card.

## FIRMWARE MODIFICATION HISTORY

Version	Program No.	C. SUM	Effective Date	Availability of RFU
<b><i>1.38</i></b>	<b><i>C2695116B</i></b>	<b><i>897D</i></b>	<b><i>April 2011 production</i></b>	<b><i>Not available</i></b>
1.37	C2695116A	B9D3	June 2010 production	Not available
1.36	C2695116	6321	May 2010 production	Not available
1.34	C2695114S	D256	January 2010 production	Not available
<del>1.33</del>	<del>C2695114R</del>	<del>C84E</del>	<del>January 2010 production</del>	Not available
1.31	C2695114Q	754C	October 2009 production	Not available
1.30	C2695114P	47DE	May 2009 production	Not available
1.29	C2695114N	6B95	January 2009 production	Not available
1.28	C2695114M	3C83	December 2008 production	Not available
1.27	C2695114L	BDA8	May 2008 production	Not available
1.25	C2695114J	746E	December 2007 production	Not available
1.24	C2695114H	4199	September 2007 production	Not available
1.23	C2695114G	4DF1	June 2007 production	Not available
1.22	C2695114F	2515	May 2007 production	Not available
1.20	C2695114E	A4C8	April 2007 production	Not available
1.19	C2695114D	8B19	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.

Symptom Corrected	Suffix
<b><i>Symptom corrected:</i></b>  <b><i>1. APS sensor misdetection.</i></b> <b><i>2. After a color drum is replaced with a Bk drum (or vice-versa), the machine will detect that the original and paper are of different sizes and the machine will not start printing.</i></b>	<b><i>B</i></b>
Minor bug correction.	A
<b><i>Symptom corrected:</i></b> <b><i>A wrapping jam occurs when making duplex prints.</i></b>	-
Symptom corrected: The master sometimes wraps around the master eject roller.	S
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 ver3.13 (C2695174J) or newer.	R
Symptom corrected: 1. SC314 occurs when the machine recovers from an error.	Q
The following SP modes were added for color drums (which are options):  SP6-31- 34: Print position 3 setting - Color 35: Print position 2 setting - Color 36: Print position 3 setting - Trial - Color 37: Print position 3 setting - Thick - Color 38: Print position 2 setting - Thick - Color 39: Print position 3 setting - Thick - Trial - Color 40: Feed Slow Down Timing - Color 41: Print position 3 setting- Trial - Duplex - Color  Important: To apply the above changes, make sure to update the ACU firmware to Ver. C2695174H. Note: The machine uses these SP settings only when a color drum is installed.	P
Symptom corrected:  Image shift tends to occur (the master moves forward) on A4 LEF sheets if the machine has printed out more than 1000 sheets with the same master. Note: From this firmware version, the rear cam is used when printing onto A4 LEF.	N



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Symptom Corrected	Suffix
<p>Symptom corrected:</p> <p>SC521 is triggered when a paper jam occurs at the paper height sensor.</p>	M
<p>Symptom corrected:</p> <p>The duplex clamber leaves a mark on the printouts. To fix this, the following SP defaults were changed:</p> <p>Default values for SP6-78 (LT), SP6-79 (B5), SP6-80 (A4) were changed.</p> <p>SP6-78 (Duplex Motor Delay LT):</p> <p>SP6-78-1: 16rpm (default: 20 not changed)</p> <p>SP6-78-1: 30rpm (default: 20 not changed)</p> <p>SP6-78-1: 60rpm (default: 16 =&gt; 19)</p> <p>SP6-78-1: 75rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 90rpm (default: 15 =&gt; 19)</p> <p>SP6-78-1: 105rpm (default: 14 =&gt; 19)</p> <p>SP6-78-1: 120rpm (default: 14 =&gt; 19)</p> <p>SP6-79 (Duplex Motor Delay B5):</p> <p>SP6-79-1: 16rpm (default: 20 not changed)</p> <p>SP6-79-1: 30rpm (default: 20 not changed)</p> <p>SP6-79-1: 60rpm (default: 16 =&gt; 17)</p> <p>SP6-79-1: 75rpm (default: 15 =&gt; 17)</p> <p>SP6-79-1: 90rpm (default: 15 =&gt; 16)</p> <p>SP6-79-1: 105rpm (default: 12 =&gt; 15)</p> <p>SP6-79-1: 120rpm (default: 11 =&gt; 13)</p> <p>SP6-80 (Duplex Motor Delay A4):</p> <p>SP6-80-1: 16rpm (default: 20 not changed)</p> <p>SP6-80-1: 30rpm (default: 20 not changed)</p> <p>SP6-80-1: 60rpm (default: 16 =&gt; 18)</p> <p>SP6-80-1: 75rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 90rpm (default: 15 =&gt; 18)</p> <p>SP6-80-1: 105rpm (default: 14 =&gt; 18)</p> <p>SP6-80-1: 120rpm (default: 14 =&gt; 18)</p>	L
<p>Symptom corrected:</p> <p>1. An A4-cut master is not delivered to the master eject box correctly under low-temperature conditions (19 degrees or less).</p> <p>Other changes:</p> <p>2. The printing pressure adjustment encoder does not initialize under the following conditions due to decrease the load of the printing pressure adjustment spring.</p> <ul style="list-style-type: none"> <li>- When the main power is turned on</li> <li>- When the machine recovers from Energy Saver mode or master making/eject</li> </ul>	J
<p>Other changes:</p> <p>The firmware was updated to support the changes made to ACU ver.1.07.</p>	H

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Symptom Corrected	Suffix
IMPORTANT: Therefore, to activate the changes made to ACU ver.1.07, you need to install this firmware version (or newer).	
Symptom corrected: 1. The registration of the last print shifts Masters stick to each other inside the master duct (new firmware: operation timing of the master buffer fans was changed) Note: You need to replace the ROM for Duplex (C2695134=>C2695136) to activate the above correction.	G
Symptom corrected: 1. The image is doubled near the leading edge when using Thick Paper. 2. An A4-cut master wraps around the master eject roller.	F
Other changes: 1. The ON timing for the master buffer fan was changed, to keep the masters in the master duct separate from one another.	E
1st Mass production	D

Model: CE4		Date: 14-Sep-09	No.: RC269026
Subject: Service manual correction - SC514		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 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

**Replace** the description for SC514 with the following.

4. Troubleshooting - Service Call Code Table - Paper Delivery and Duplex transport – SC514

Code	Title	Conditions	Possible Causes
SC514	Wing guide motor	<p>The wing guide HP sensor does not turn OFF within three seconds after the drum returns to its home position (and the next job is a duplex job),</p> <p>Or,</p> <p>The wing guide HP sensor does not turn ON within three seconds after the drum begins to turn toward its home position (and the next job is a duplex job)</p>	<ul style="list-style-type: none"> <li>● Wing guide HP sensor error</li> <li>● Wing guide motor error</li> <li>● Duplex board error</li> <li>● Motor lock due to other cause</li> </ul>

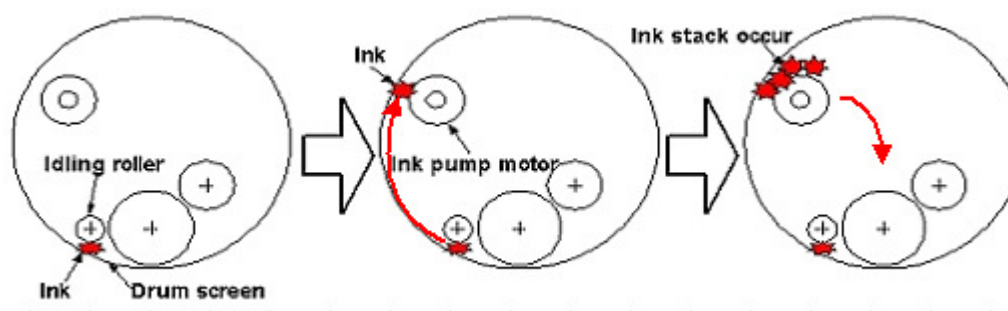
Model: Cat's-eye		Date: 26-Oct-11	No.: RC269027
Subject: Ink build up 2		Prepared by: K. Yamamoto	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input 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	69	17	
C2622570	C2622575	SIDE PLATE:OIL SUPPLY ROLLER:INK:FRONT:ASS'Y	1		69	9	

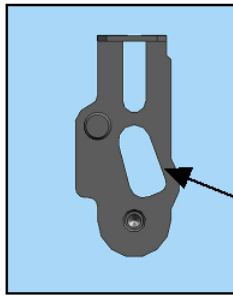
**Change:** The shape of bracket holes was changed, so that the gap between the metal screen and nursing roller is decreased (the nursing roller rotates with the screen).

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

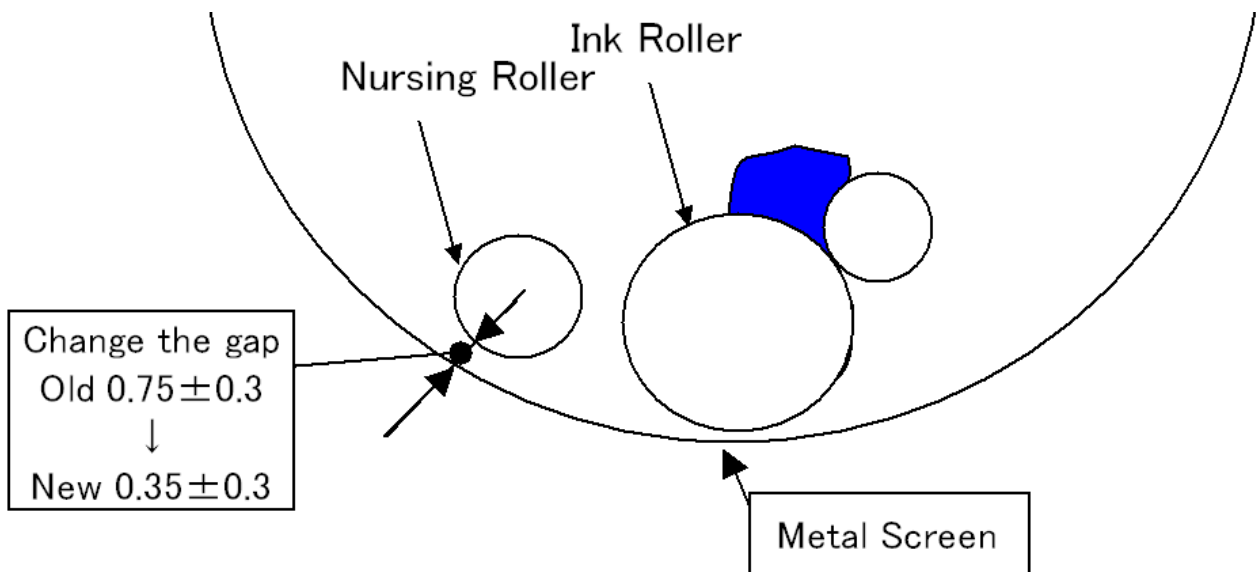
Model: Cat's-eye

Date: 26-Oct-11

No.: RC269027



The shape of hole is changed



Model: PRIPORT CAT'S-EYE		Date: 18-Apr-12	No.: RC269028
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 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

## 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 Cat's Eye was changed as follows:

Old Mac address Part Number	New Mac address Part Number	Description	I/C
C2695170	C2695171	PCB: ACU: FROM: EXP: ASS'Y	O/O

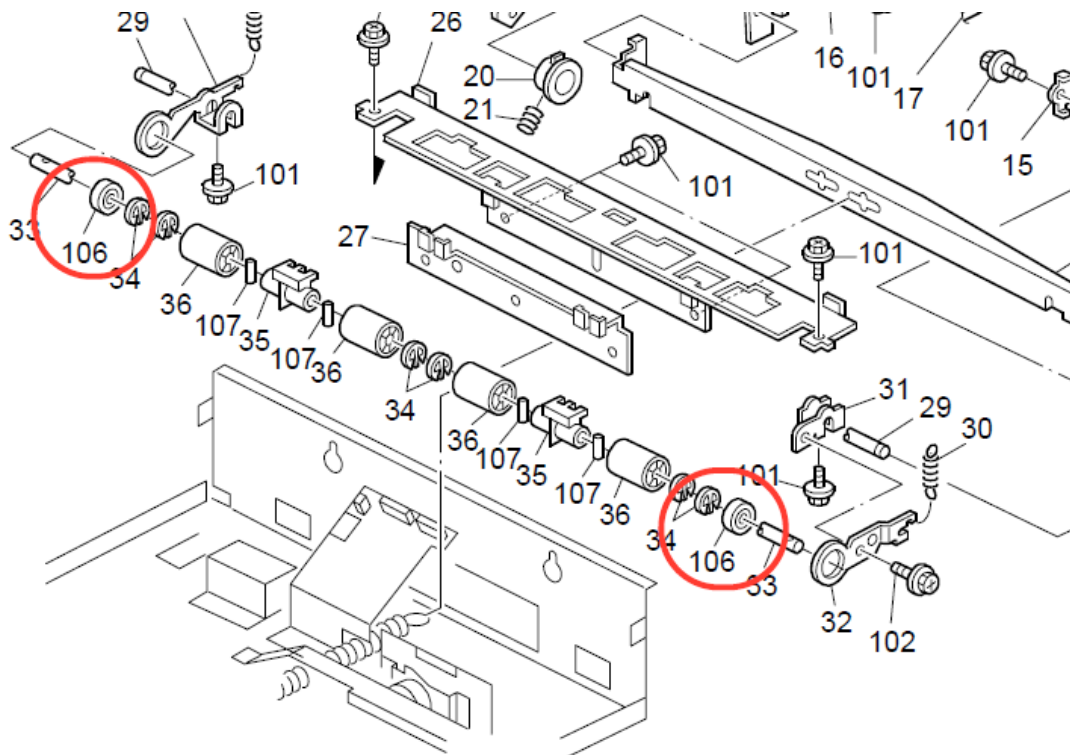
### New Mac address affected:

Produced after November 2011

Model: PRIPORT CAT'S-EYE		Date: 18-Aug-15	No.: RC269029
Subject: Parts catalog correction - Paper Feed Section		Prepared by: A.Ishida	
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

**Change/Reason:** The part number in the parts catalog is added.

New part number	Description	Q'ty	Int	Page	Index	Note
07413708	BALL BEARING – 8X12X3.5MM	2	-	51	106	



101	0451 3006N	Tapping Screw - 3x6	
102	0951 3004N	Screw:Polished Round:M3x4	
103	0720 0040E	Retaining Ring - M4	
104	0720 0060E	Retaining Ring - M6	
105	1105 0511	Harness Clamp - LWS-0306ZC	
107	0632 0120G	Parallel Pin:2x12	