

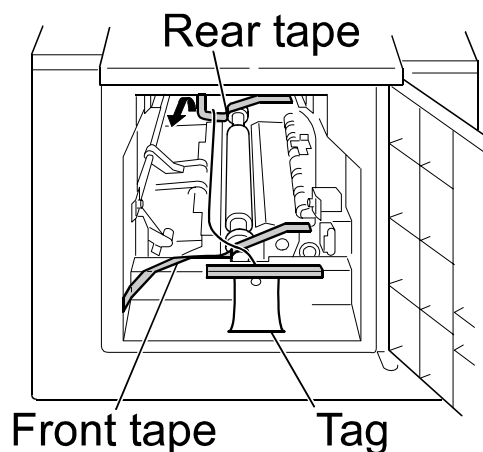
Model: PRIPORT TITANIUM		Date: 7-Apr-03	No: R-C252-001
Subject: Notes the model TT installation		Prepared by: M. Ohtsubo, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: Ricoh JP730/JP750/JP780C, Gestetner 6123lcp/5410c/6123cp, Lanier LDD 730, nashuatec 6123cp, RexRotary 6123cp			

Please add the following information to your Titanium Service Manuals, which has been applied from the beginning of mass production.

Important note for installation:

Strips of tape have been added as shown below to secure the Press Roller during transport. Please make sure to remove the tape and tag before machine operation begins. If they are not removed:

- Paper jams or blank images may occur, due to the lack of pressure on the Press Roller.
- The tape may stick to the drum screen or Press Roller.



Reissued: 25-Sep-03

RTB Correction

Model: PRIPORT TITANIUM		Date: 14-Apr-03	No: R-C252-002a
Subject: Firmware Modification History		Prepared by: M. Ohtsubo, Priport Service Planning Section	
Classification: <input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()			
Model Name: Ricoh JP730/JP750/JP780C, Gestetner 6123lcp/5410c/6123cp, Lanier LDD 730, nashuatec 6123cp, RexRotary 6123cp			

This is to inform you of the firmware history for the Titanium. Items in ***bold italics*** have been either corrected or added.

FIRMWARE MODIFICATION HISTORY

C2525105	File Name	C. SUM	Production
<i>F</i>	<i>C2525105F.bin</i>	<i>56BA</i>	<i>F3130970947</i>
E	C2525105E.bin	56B6	April, 2003 production
D	C2525105D.bin	6917	1st Mass Production

Reissued: 25-Sep-03

RTB Correction

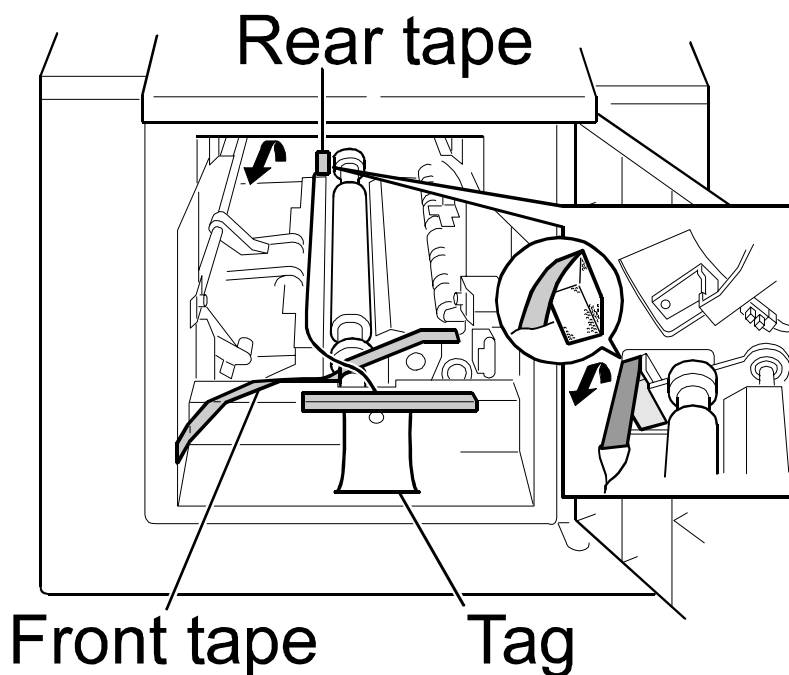
Model: PRIPORT TITANIUM	Date: 14-Apr-03	No: R-C252-002a
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Symptom Corrected	Suffix
- <i>Changed the binary processing data to darken the image density of orange when the letter and darker modes were selected.</i>	F
- Changed the gamma correction data to darken the image density in photo mode.	E
-	D

Model: PRIPORT TITANIUM		Date: 23-Oct-03	No: R-C252-003
Subject: Notes for model TT installation - revision		Prepared by: M. Ohtsubo, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: Ricoh JP730/JP750/JP780C, Gestetner 6123lcp/5410c/6123cp, Lanier LDD 730, nashuatec 6123cp, RexRotary 6123cp			

Important Note for Installation:

As announced in RTB #RC252-001, a Styrene foam sponge is used to ensure that the rear shipping tape stays properly fixed in place, which prevents the printing pressure release lever from unlocking. At installation, please remove the rear tape by pulling the portion shown in the photo below toward the front of the machine.



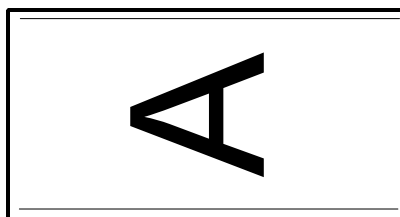
Model: PRIPORT TITANIUM**Date:** 23-Oct-03**No:** R-C252-003**CUT IN SERIAL NUMBERS**

Model Name	V/Hz	Destination	Code	Serial Number
Nsa 6123cp, Rex 6123cp, Ges 6123cp	230/50	Europe, Asia, etc	C252-72	F3130770001
Ricoh JP780C	230/50	China	C252-76	
Ricoh JP750	230/50	Europe, Asia, etc	C252-77	
Ges 5410c	230/50	China	C252-78	
Ricoh JP730, Ges 6123lcp, Lanier LDD730	120/60	Latin America	C252-92	

Model: PRIPORT TITANIUM		Date: 9-Mar-05	No: R-C252-004
Subject: Black line on the copy print		Prepared by: M. Ohtsubo, Priport Service Planning Section	
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: Ricoh JP730/JP750/JP780C, Gestetner 6123lcp/5410c/6123cp, Lanier LDD 730, nashuatec 6123cp, RexRotary 6123cp			

SYMPTOM

The left or/and right edges of the original can be seen on the printout as black lines.



← Paper feed direction

CAUSE

1. The paper tray side fences are not aligned with the scanner unit side fences.

Or,

2. The original is smaller than the printing paper.

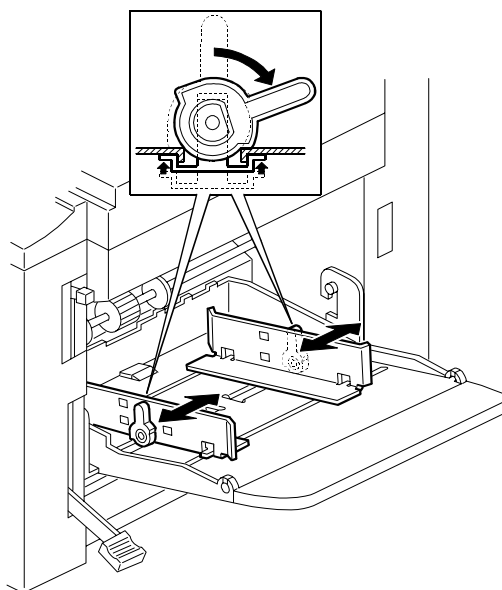
Note: The Titanium has the following limitations.

- The machine cannot detect the original size or printing paper size.
- The machine makes the master image onto two sizes only: 253 mm x 358 mm (B4 model) or 216 mm x 358 mm (LG model). It does not change the size of the master image to match the size of the original or printing paper.

SOLUTION

For cause 1:

1. Measure the distance from the paper edge to the black line (X mm).
2. Move the side fences a distance of about X mm, so that the edge of the paper aligns with the edge of the original.
3. Check the print results. Repeat this until you cannot see the black line on the printout.



For cause 2:

1. Decrease the image density setting, or
2. Increase the magnification setting so that the original size matches the print paper size.

Reissued: 4-Nov-05

RTB Correction

Model: PRIPORT TITANIUM		Date: 14-Apr-03	No: R-C252-002b
Subject: Firmware Modification History		Prepared by: M. Ohtsubo, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: Ricoh JP730/JP750/JP780C, Gestetner 6123lcp/5410c/6123cp, Lanier LDD 730, nashuatec 6123cp, RexRotary 6123cp			

This is to inform you of the firmware history for the Titanium. Items in ***bold italics*** have been either corrected or added.

FIRMWARE MODIFICATION HISTORY

C2525105	File Name	C. SUM	Production
<i>H</i>	<i>C2525105H.bin</i>	<i>7372</i>	<i>F3150870235</i> <i>September, 2005 production</i>
<i>G</i>	<i>C2525105G.bin</i>	<i>56BC</i>	<i>F3140171296</i> <i>F5740370001</i>
F	C2525105F.bin	56BA	F3130970947
E	C2525105E.bin	56B6	April, 2003 production
D	C2525105D.bin	6917	1st Mass Production

Reissued: 4-Nov-05

RTB Correction

Model: PRIPORT TITANIUM	Date: 14-Apr-03	No: R-C252-002b
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Symptom Corrected	Suffix
<ul style="list-style-type: none"> - <i>The ON timing for the ink pump motor was changed to further ensure IC127 on the MPU is not damaged.</i> <i>Note: This damage can happen with old firmware versions if the ink pump motor and vacuum fan start running at the same time.</i> 	H
<ul style="list-style-type: none"> - <i>“E” is displayed when SP3-1 (firmware suffix information) is accessed with firmware version C2525105F.</i> 	G
<ul style="list-style-type: none"> - Changed the binary processing data to darken the image density of orange when selected the letter and darker modes. 	F
<ul style="list-style-type: none"> - Changed the gamma correction data to darken the image density in photo mode. 	E
-	D

Reissued: 28-Jan-09

RTB Correction

Model: PRIPORT TITANIUM/TITANIUM2		Date: 15-May-06	No: R-C252-005b
Subject: Firmware modification history		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()		
Model Name:			
TITANIUM: Ricoh JP730/JP750/JP780C, Gestetner 6123cp/5410c/6123cp, Lanier LDD730, nashuatec 6123cp, RexRotary 6123cp			
TITANIUM2: Ricoh JP735/JP755/JP785C, Gestetner CP6123a+/CP6123b+/CP6123L+/CP6200C, Lanier LDD735, nashuatec CP6123a+/CP6123b+, RexRotary CP6123a+/CP6123b+			

This is to inform you of the firmware history for the Titanium2. Items in ***bold italics*** have been either corrected or added.

FIRMWARE MODIFICATION HISTORY

Program No.	File Name	C. SUM	Production
<i>C2615116A</i>	<i>C2615116A.bin</i>	<i>F38A</i>	<i>November 2008 production</i>
C2615116	C2615116.bin	DCE9	August 2007 production
C2615106	C2615106.bin	E20D	1st Mass Production

Symptom Corrected	Suffix
<i>Symptom corrected:</i> <i>The machine applies the gamma correction if the image density key is set to "Tint mode" and the Original Key (Type) is set to "Letter Mode".</i>	<i>A</i>
MPU board standardize with Titanium	No-Suffix
(1 st mass production)	No-Suffix

Model: PRIPORT TITANIUM/TITANIUM2		Date: 8-Sep-06	No: R-C252-006
Subject: Installation of Printer unit VC-20		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information
Model Name: TITANIUM: Ricoh JP730/JP750/JP780C, Gestetner 6123cp/5410c/6123cp, Lanier LDD730, nashuatec 6123cp, RexRotary 6123cp TITANIUM2: Ricoh JP735/JP755/JP785C, Gestetner CP6123a+/CP6123b+/CP6123L+/CP6200C, Lanier LDD735, nashuatec CP6123a+/CP6123b+, RexRotary CP6123a+/CP6123b+			

Note: The RTB is for the **Titanium2 only**.

The Service Manual for Titanium2 was changed as follows.

1. **Add** the interface board type 20 to the Installation Procedure (sec 1.2.4).

1.2.4 PRINTER UNIT VC-20 (OPTION)

The Interface board type 20 (Option) is necessary to install the Printer unit VC-20 (option)

Interface board type 20 (option)

Accessory Check

Check the quantity and condition of the accessories in the box against the following list:

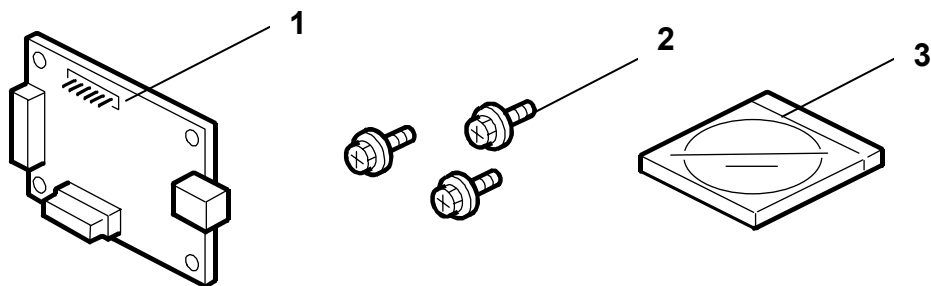
Description	Quantity
1.Interface Board.....	1
2.Interface Cable.....	1
3.Bracekt.....	2
4.Screw M3x6.....	6

Model: PRIPORT TITANIUM/TITANIUM2	Date: 8-Sep-06	No: R-C252-006
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Printer Unit VC-20 (Option)

Accessory Check

Make sure that you have all the accessories listed below.

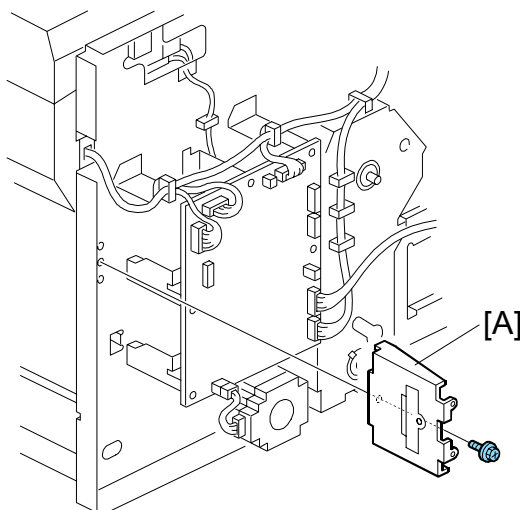


Description	Quantity
1.Printer Controller Board.....	1
2.Screws.....	3
3.Installation CD.....	1
4.Quick Install Guide.....	1
5.Safety Information.....	1

INSTALLATION PROCEDURE

⚠ CAUTION

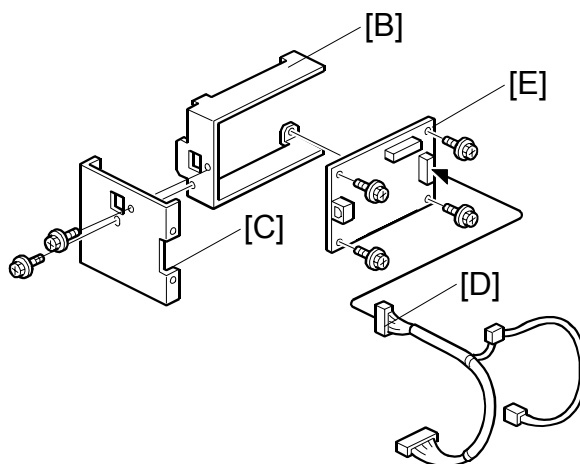
To avoid serious injury, do not connect the power plug to the machine until you are instructed to do so.



C261I002.WMF

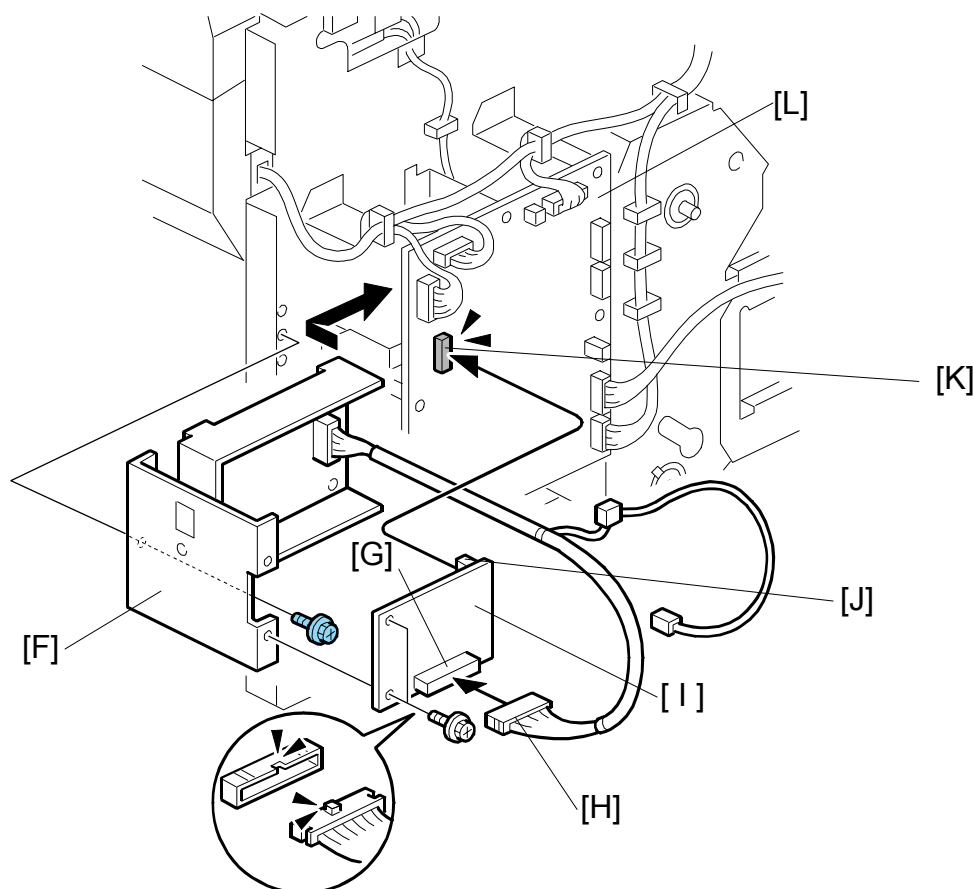
1. Remove the bracket [A] (⌀x1).

NOTE: You do not need this bracket and its screws any more.



C261I003.WMF

2. Attach the printer controller board [E] to the bracket [B] (⌀x4).
3. Attach the bracket [C] to the bracket [B] (⌀x2).
4. Connect the connector [D] to the socket on the right side of the board [E].
NOTE: Make sure that the connector is securely connected to the socket.



C2611004.WMF

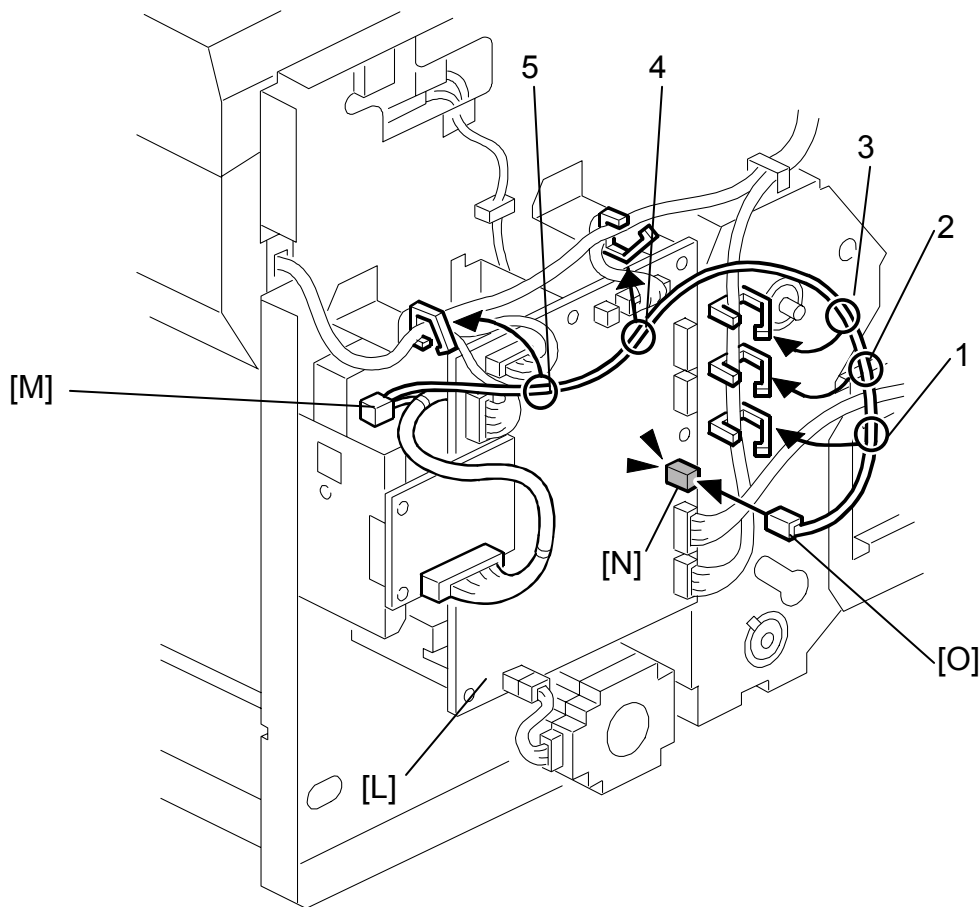
5. Attach the bracket assembly [F] to the same place that the bracket [A] (Step 1) was installed (1 screw).

IMPORTANT: In this step, only use the M3x6 screw included with the Interface board Type 20.

6. Connect the socket [J] on the interface board to CN108 [K] on the MPU [L].

IMPORTANT: Make sure that the socket is securely connected to CN108.

7. Connect the connector [H] to the socket [G] on the interface board.
8. Attach the interface board [I] to the bracket assembly [F] (⚙ x 2).



9. Connect the connector [O] to CN102 on the MPU [N].

IMPORTANT: Make sure that the connector is securely connected to CN102.

10. Clamp the harness to the five places shown (#1-5) around the MPU [L] (🔧x5).

IMPORTANT: Do not connect the connector [M] anywhere. Leave it unconnected.

Reissued: 18-Dec-08

RTB Correction

Model: PRIPORT TITANIUM		Date: 14-Apr-03	No: R-C252-002c
Subject: Firmware Modification History		Prepared by: M. Kumagai, Priport Service Planning Section	
Classification: <input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Other ()			
Model Name: Ricoh JP730/JP750/JP780C, Gestetner 6123lcp/5410c/6123cp, Lanier LDD 730, nashuatec 6123cp, RexRotary 6123cp			

This is to inform you of the firmware history for the Titanium. Items in ***bold italics*** have been either corrected or added.

FIRMWARE MODIFICATION HISTORY

Program No.	File Name	C. SUM	Production
<i>C2525116</i>	<i>C2525116.bin</i>	<i>22E5</i>	<i>October 2007 production</i>
C2525105H	C2525105H.bin	7372	F3150870235 September, 2005 production
C2525105G	C2525105G.bin	56BC	F3140171296 F5740370001
C2525105F	C2525105F.bin	56BA	F3130970947
C2525105E	C2525105E.bin	56B6	April, 2003 production
C2525105D	C2525105D.bin	6917	1st Mass Production

Reissued: 18-Dec-08

RTB Correction

Model: PRIPORT TITANIUM	Date: 14-Apr-03	No: R-C252-002b
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Symptom Corrected	Suffix
<i>MPU board standardized with Titanium2</i>	<i>No-Suffix</i>
- The ON timing for the ink pump motor was changed to further ensure IC127 on MPU is not damaged. Note: This damage can happen with old firmware versions if the ink pump motor and vacuum fan start running at the same time.	H
- "E" is displayed when SP3-1 (firmware suffix information) is accessed with firmware version C2525105F.	G
- Changed the binary processing data to darken the image density of orange when selected the letter and darker modes.	F
- Changed the gamma correction data to darken the image density in photo mode.	E
-	D

Reissued: 29-Jun-15

Model: TITANIUM III	Date: 20-Feb-09	No.: RC252007c
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RTB Reissue

The items in bold italics have been changed.

Subject: Firmware Release Note: main		Prepared by: Y. Kuwabara	
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This is to inform you of the firmware history for the Titanium3.

Version	Program No.	Effective Date	Availability of RFU
1.67	C2745126B	April 2015 production	Not available
1.66	C2745126A	November 2013 production	Not available
1.02	C2745116A	November 2009 production	Not available
1.01	C2745106	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote

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

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

Version	Modified Points or Symptom Corrected
1.67	Symptom corrected: - Image position adjustment in sub scan direction was optimized for higher precision as follows: 1. Plotter pre-feeding was changed from 1166 steps to 1212 steps. 2. Delay of plotter feeding was changed from 56 steps to 16 steps.
1.66	Other changes: Supports firmware update via SD card when the C2745120 PCB is installed. Note: The C2745120 PCB must be installed for this feature to work.
1.02	Other change: Supports the China Eco models (C274-70/C274-71) from this version.
1.01	1st Mass production