

**Reissued: 14-Oct-10**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091001a
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: Fax		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date
<b><i>02.00.00</i></b>	<b><i>D0925753B</i></b>	<b><i>October 2010 production</i></b>
01.00.00	D0925753A	1st Mass production

Version	Modified Points or Symptom Corrected
<b><i>02.00.00</i></b>	<b><i>Symptom corrected: Received fax documents stored in memory cannot be printed out if the FCU is reset.</i></b>
01.00.00	1st Mass production

**Reissued: 06-Aug-12**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091002d
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**RTB Reissue**

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Printer		Prepared by: T.Hirakawa	
From: 1st 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
<b>1.03</b>	<b><i>D0925774E</i></b>	<b><i>September 2012 production</i></b>	<b><i>Available</i></b>
1.02.1	D0925774D	March 2011 production	Available
1.02	D0925774C	December 2010 production	Available
1.01	D0925774B	June 2010 production	Available
1.00	D0925774A	1st Mass production	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
<b>1.03</b>	<p><b><i>Symptom corrected</i></b></p> <ol style="list-style-type: none"> <li><b><i>Fixed: If SP4-305-001 = "0", "1" or "2", and the Job Type is one of the below, "Paper size and type are mismatched" might be displayed in the operation panel, even though the job and paper in the tray are not mismatched.</i></b> <ul style="list-style-type: none"> <li>- <b><i>Hold Print</i></b></li> <li>- <b><i>Locked Print</i></b></li> <li>- <b><i>Stored Print</i></b></li> <li>- <b><i>Store and Print</i></b></li> </ul> </li> <li><b><i>Fixed: PS jobs with a large number of images might be unexpectedly reset.</i></b></li> </ol>
1.02.1	<p>Other Changes:</p> <p>A new BitSwitch#6-7 has been added. When set to '1', if multiple collated copies are printed, the device no longer responds to PJI USTATUS with the number of pages in the current copy. Instead the device will return the total number of pages for all copies.</p>
1.02	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If "User Tools/Counter &gt; System Settings &gt; Administrator Tools &gt; Capture Priority" is enabled and one of the below listed Job Types is used, any of the following might happen: <ul style="list-style-type: none"> <li>- Jobs that should be deleted will be retained on the MFP hard disk.</li> <li>- Jobs stored on the hard disk might be inadvertently deleted.</li> </ul> </li> </ol>

**Reissued: 06-Aug-12**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091002d
Version	Modified Points or Symptom Corrected	
	<ul style="list-style-type: none"> <li>- Printing of jobs stored on the hard disk might result in an SC997.</li> </ul> <p>Job Types:</p> <ul style="list-style-type: none"> <li>- Sample Print</li> <li>- Hold Print</li> <li>- Locked Print</li> <li>- Stored Print</li> <li>- Store and Print</li> </ul> <p>2. Multiple jobs that are released (printed from the hard disk) by the same user might result in some of the jobs being recorded in the device's Job History as being printed by "---". This only affects the use of the following Job Types and only occurs if User Authentication is enabled:</p> <ul style="list-style-type: none"> <li>- Sample Print</li> <li>- Hold Print</li> <li>- Locked Print</li> <li>- Stored Print</li> </ul> <p>3. Jobs not containing any PJI commands are held by the device and not printed until another job is submitted or a button is pressed on the device. This occurred if the device entered in energy saver mode immediately after printing a diagnostics page (List/Test Print, etc.).</p>	
1.01	<p>Symptom corrected:</p> <p>1. Resetting IPDS fonts (Web Image Monitor &gt; Configuration &gt; Printer &gt; Reset IPDS Fonts) twice in a row or printing the IPDS Font List (Menu button &gt; List/Test Print &gt; IPDS Font List) twice in a row might result in the device stalling.          Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>2. An IPDS Form can be created with an unsupported "Media Orientation" (ie. A3 LEF).          Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>3. If IPDS fonts are reset (Menu button &gt; Maintenance &gt; HD Management &gt; Reset IPDS Fonts), users might not be able to logout from the operation panel.          Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>4. The "Reset IPDS Fonts" setting has been replaced by multiple instances of "Del. All Stored Print Jobs" in the Maintenance section of the Menu List (List/Test Print &gt; Menu List).          Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the</p>	

**Reissued: 06-Aug-12**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091002d
Version	Modified Points or Symptom Corrected	
	<p>device.</p> <p>5. An IPDS Form can be created with unsupported dimensions using Web Image Monitor (Configuration &gt; IPDS Form List &gt; Media Size = Custom Size &gt; Cross Feed Dimension/Feed Dimension). Once created it can be selected using the IPDS Form Allocation setting.            Note: Supported dimensions for this model are:            Cross Feed Dimension: 182.0 - 297.0 mm            Feed Dimension: 210.0 - 432.0 mm            Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>6. The operation panel's "IPDS Menu" contains an "Offset" setting even if the shift tray hasn't been installed. This could also be seen in the Configuration page, Web Image Monitor, and Menu List (List/Test Print &gt; Menu List).            Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>7.</p> <p>7-1. (ENG) Fixed: IPDS print jobs will be counted by the the External Charge Unit (coin collector or charge card reader) if all of the following conditions are met:</p> <ul style="list-style-type: none"> <li>- Counter Interface Unit Type A is installed</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt;Key Counter Management = Printer</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt; "External Charge Unit Management" or "Enhanced External Charge Unit Management" = Printer</li> </ul> <p>Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>7-2. (ENG) Fixed: When printing IPDS jobs an alert will be shown and nothing will be printed if all of the following conditions are met:</p> <ul style="list-style-type: none"> <li>- Counter Interface Unit Type A is not installed</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt;Key Counter Management = Printer</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt; "External Charge Unit Management" or "Enhanced External Charge Unit Management" = Printer</li> </ul> <p>Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>8. The Media Type Component ID will display an invalid number after the power is cycled if the Media Type Component ID of an IPDS Form List is set to 32768 or larger.</p>	

**Reissued: 06-Aug-12**

Model: AI-C1.5		Date: 16-Dec-09	No.: RD091002d
Version	Modified Points or Symptom Corrected		
	Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.		
1.00	1st Mass production		

**Reissued: 14-Oct-10**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091003a
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: RemoteFax		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date
<b><i>02.00.00</i></b>	<b><i>D0925752B</i></b>	<b><i>October 2010 production</i></b>
01.00.00	D0925752A	1st Mass production

Version	Modified Points or Symptom Corrected
<b><i>02.00.00</i></b>	<p><b><i>Symptoms corrected:</i></b>  <b><i>IP-FAX functions (both sending and receiving) do not work under the following conditions:</i></b></p> <ul style="list-style-type: none"> <li>- <b><i>The other machine does not support or cannot use IP-FAX</i></b></li> <li>- <b><i>The connection refusal packet from the other machine arrives after the response time-out has expired</i></b></li> </ul>
01.00.00	1st Mass production

**Reissued: 22-Feb-13**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091004d
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**RTB Reissue**

The items in bold italics have been corrected.

Subject: Firmware Release Note: System/Copy		Prepared by: T. Hirakawa	
From: 1st 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **System/Copy**.

Version	Program No.	Effective Date	Availability of RFU
<b>1.03</b>	<b>D0925751D</b>	<b>January 2013 production</b>	<b>Available</b>
1.02	D0925751C_LRC0358	-	Available
1.02	D0925751C	October 2010 production	Available
1.01	D0925751B	June 2010 production	Available
1.00	D0925751A	1st Mass production	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
<b>1.03</b>	<p><b>Symptoms Corrected:</b></p> <ol style="list-style-type: none"> <li><b>Extended Authentication Management can be disabled by users other than the Machine Administrator.</b></li> <li><b>After the date/time setting is changed, the machine mistakenly detects an access attack, resulting in delayed response during authentication.</b></li> <li><b>The IPU test pattern cannot be printed out using SP4-417.</b></li> <li><b>The MFP operation panel might go black and not return until the power is cycled. This only occurred if the MFP had a Device Accounting Unit such as a coin collector or charge card reader.</b></li> <li><b>Minor bug corrections.</b></li> <li><b>Cannot scan to shared folders in Mac OS X 10.7 or Mac OS X 10.8.</b></li> </ol> <p><b>This firmware is dependent on the following firmware modules. Please be sure to update all of them:</b>  <b>Network Support firmware v7.38 or later</b></p>
1.02	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>After an administrator (User, Network, or File) logs in and then out, unauthenticated users are unable to configure any of the settings in "Extended Feature Settings" even if the Machine Admin is disabled.</li> <li>If the Machine Admin logs in before Java VM has finished starting up, it will not be possible to install SDK applications until the device has been rebooted.</li> </ol>

**Reissued: 22-Feb-13**

Model: AI-C1.5		Date: 16-Dec-09	No.: RD091004d
Version	Modified Points or Symptom Corrected		
	3. Measures for cross-site scripting vulnerability.		
1.02	Minor bug correction.		
1.01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If a tray is configured via Web Image Monitor to use a Paper Type of "Back Copied Paper", both of the following will occur: <ul style="list-style-type: none"> <li>The tray selection button on the operation panel will show the tray's Paper Type as "Plain: Dup.Back".</li> <li>The tray's Paper Type attribute (User Tools &gt; System Settings &gt;Tray Paper Settings &gt;Paper Type) will be blank.</li> </ul> </li> <li>Resetting IPDS fonts (Web Image Monitor &gt; Configuration &gt; Printer &gt; Reset IPDS Fonts) twice in a row or printing the IPDS Font List (Menu button &gt; List/Test Print &gt; IPDS Font List) twice in a row might result in the device stalling.  Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</li> <li>An IPDS Form can be created with an unsupported "Media Orientation" (ie. A3 LEF).  Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</li> <li>If IPDS fonts are reset (Menu button &gt; Maintenance &gt; HD Management &gt; Reset IPDS Fonts), users might not be able to logout from the operation panel.  Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</li> <li>The "Reset IPDS Fonts" setting has been replaced by multiple instances of "Del. All Stored Print Jobs" in the Maintenance section of the Menu List (List/Test Print &gt; Menu List).  Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</li> <li>An IPDS Form can be created with unsupported dimensions using Web Image Monitor (Configuration &gt; IPDS Form List &gt; Media Size = Custom Size &gt; Cross Feed Dimension/Feed Dimension). Once created it can be selected using the IPDS Form Allocation setting.  Note:  Supported dimensions for this model are:  Cross Feed Dimension: 182.0 - 297.0 mm  Feed Dimension: 210.0 - 432.0 mm  Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</li> </ol>		

Reissued: 22-Feb-13

Model: AI-C1.5		Date: 16-Dec-09	No.: RD091004d
Version	Modified Points or Symptom Corrected		
	<p>7. The operation panel's "IPDS Menu" contains an "Offset" setting even if the shift tray hasn't been installed. This could also be seen in the Configuration page, Web Image Monitor, and Menu List (List/Test Print &gt; Menu List).            Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>8.</p> <p>8-1. IPDS print jobs will be counted by the the External Charge Unit (coin collector or charge card reader) if all of the following conditions are met:</p> <ul style="list-style-type: none"> <li>- Counter Interface Unit Type A is installed</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt;Key Counter Management = Printer</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt; "External Charge Unit Management" or "Enhanced External Charge Unit Management" = Printer</li> </ul> <p>Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>8-2. When printing IPDS jobs an alert will be shown and nothing will be printed if all of the following conditions are met:</p> <ul style="list-style-type: none"> <li>- Counter Interface Unit Type A is not installed</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt;Key Counter Management = Printer</li> <li>- User Tools &gt;System Settings &gt;Administrator Tools &gt; "External Charge Unit Management" or "Enhanced External Charge Unit Management" = Printer</li> </ul> <p>Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p> <p>9. The Media Type Component ID will display an invalid number after the power is cycled if the Media Type Component ID of an IPDS Form List is set to 32768 or larger.            Note: To fix this problem, Printer firmware (version 1.01 or later), System/Copy firmware (version 1.01 or later) need to be applied to the device.</p>		
1.00	1st Mass production		

**Reissued: 15-Sep-10**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091005a
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: Web Support		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Web Support** .

Version	Program No.	Effective Date
<b>1.04</b>	<b>D0925755B</b>	<b>September 2010 production</b>
1.00.1	D0925755A	1st Mass production

Version	Modified Points or Symptom Corrected
<b>1.04</b>	<p><b><i>Other changes:</i></b></p> <ol style="list-style-type: none"> <li><b><i>1. Users can now change their passwords for Basic Authentication using Web Image Monitor if the following conditions are met:</i></b> <ul style="list-style-type: none"> <li>- <b><i>Basic Authentication is enabled.</i></b></li> <li>- <b><i>Either of the following device settings is enabled</i></b> <ul style="list-style-type: none"> <li>- <b><i>User Tools/Counter &gt; System Settings &gt; Administrator Tools &gt; Extended Security &gt; Restrict Use of Destinations</i></b></li> <li>- <b><i>User Tools/Counter &gt; System Settings &gt; Administrator Tools &gt; Extended Security &gt; Restrict Adding of User Destinations</i></b></li> </ul> </li> </ul> </li> <li><b><i>2. Simplified Chinese can be selected as "Web Image Monitor &gt; Configuration &gt; Webpage &gt; Webpage Language".</i></b></li> <li><b><i>3. SSL-related changes:</i></b> <p><b><i>Note: The new fields will only appear if Network Support firmware version 7.34 or later has also been applied to the device.</i></b></p> <ol style="list-style-type: none"> <li><b><i>3-1. When the device creates a certificate request, it is now able to specify which algorithm (SHA1 or MD5) it wants used to sign the certificate. This has been implemented by adding a field "Algorithm Signature" to the certificate request form.</i></b></li> <li><b><i>3-2. Web Image Monitor now shows the certificate's key length in:</i></b> <ul style="list-style-type: none"> <li>- <b><i>Configuration &gt; Security &gt; Device Certificate &gt; Details</i></b></li> </ul> </li> <li><b><i>3-3. Specific versions of SSL or TLS (SSLv2, SSLv3, or TLSv1) can now be enabled/disabled using Web Image Monitor. The setting can be configured from either of the following locations:</i></b></li> </ol> </li> </ol>

**Reissued: 15-Sep-10**

Model: AI-C1.5		Date: 16-Dec-09	No.: RD091005a
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"><li>- <i>Configuration &gt; Security &gt; Network Security</i></li><li>- <i>Configuration &gt; Security &gt; SSL/TLS</i></li></ul> <p><b>3-4. The encryption strength used for SSL can now be configured. This can be done using either of the following settings in Web Image Monitor:</b></p> <ul style="list-style-type: none"><li>- <i>Configuration &gt; Security &gt; Network Security</i></li><li>- <i>Configuration &gt; Security &gt; SSL/TLS</i></li></ul>		
1.00.1	1st Mass production		

Model: AI-C1.5		Date: 16-Dec-09	No.: RD091006
Subject: Firmware Release Note: Web Uapl		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Web Uapl**.

Version	Program No.	Effective Date
1.02	D0925756A	1st Mass production

Version	Modified Points or Symptom Corrected
1.02	1st Mass production

**Reissued: 31-Jan-11**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091007b
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**RTB Reissue**

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

Subject: Firmware Release Note: Engine		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.01:01	D0915160B	January 2011 production	Available
1.00:01	D0915160A	1st Mass production	Available

**Note: Definition of Availability of RFU**

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

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

Version	Modified Points or Symptom Corrected
1.01:01	Other changes 1. Improve the reliability of detection of opening-closing timing of the bridge unit door. <b><i>Jam1 (Cover open) occurs frequently in the bridge unit. Please refer to RTB#RD091021 for more details.</i></b> 2. Improve the reliability of continuous action among printing jobs while multiple continuous printing with the staple function selected.
1.00:01	1st Mass production

Reissued: 10-Jun-14

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091008b
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**RTB Reissue**

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

Subject: Firmware Release Note: GWFCU3-19(WW)		Prepared by: T. Hirakawa	
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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **GWFCU3-19(WW)**.

Version	Program No.	Effective Date	Availability of RFU
<b><i>05.00.00</i></b>	<b><i>D5095570E</i></b>	<b><i>January 2013 production</i></b>	<b><i>Not Available</i></b>
<b><i>04.00.00</i></b>	<b><i>D5095570D</i></b>	<b><i>September 2011 production</i></b>	<b><i>Not Available</i></b>
<b><i>03.00.00</i></b>	<b><i>D5095570C</i></b>	<b><i>November 2010 production</i></b>	<b><i>Not Available</i></b>
02.00.00	D5095570B	October 2010 production	Not Available
01.00.00	D5095570A	1st Mass production	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
<b><i>05.00.00</i></b>	<p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>The number of fax pages printed out does not match the number that appears in the Job Log.</i></b></li> <li><b><i>The number of pages printed out does not match the number that appears in the Job Log, if the machine main power is turned OFF/ON while the machine is receiving a fax.</i></b></li> </ol>
<b><i>04.00.00</i></b>	<p><b><i>Symptoms corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>Image problem occurs with JBIG transmission if the image is sent after a JBIG reception job is interrupted.</i></b></li> <li><b><i>Errors frequently occur when receiving from a fax server.</i></b></li> <li><b><i>Forwarding to a fax folder fails.</i></b></li> </ol> <p><b><i>Other changes:</i></b></p> <ol style="list-style-type: none"> <li><b><i>TEC value further improved.</i></b></li> </ol>
<b><i>03.00.00</i></b>	<p><b><i>Other changes:</i></b></p> <p><b><i>Supported Chinese character GB18030</i></b></p>
02.00.00	Minor bug correction
01.00.00	1st Mass production

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091009
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Subject: Firmware Release Note: Network DocBox		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Network DocBox**.

Version	Program No.	Effective Date
1.00	D0925757A	1st Mass production

Version	Modified Points or Symptom Corrected
1.00	1st Mass production

Reissued: 23-Feb-12

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091010c
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: Option PCL		Prepared by: T. Hirakawa	
From: 1st 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Option PCL**.

Version	Program No.	Effective Date	Availability of RFU
<b>1.06</b>	<b>D0925770D</b>	<b>March 2012 production</b>	<b>Available</b>
1.05	D0925770C	March 2011 production	Available
1.04	D0925770B	December 2010 production	Available
1.03	D0925770A	1st Mass production	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
<b>1.06</b>	<p><b>Symptom corrected</b></p> <ol style="list-style-type: none"> <li><b>Mixed orientation jobs printed might be bound on the wrong edge. (GFPR#RC10040001, GFPR#RC11030004, GFPR#RC11040003)</b></li> <li><b>The printing of documents containing more than 65,535 Bezier curves results in the device hanging up ("Printing ..." is displayed indefinitely). (GFPR#RE10070008)</b></li> <li><b>Characters or symbols missing from the printouts of jobs containing HP-GL/2. (GFPR#RC10070002)</b></li> <li><b>Multiple-glyph fonts are not printed at all if any of the glyphs are missing. An example of a multiple-glyph font is a letter with 2 dots over it such as 'A'. The 2 dots and the letter might be separate glyphs. If for example the 2 dots are missing, the 'A' should still be printed. (GFPR#RE11040007)</b></li> <li><b>HP-GL jobs might be missing objects or fail to print completely. (GFPR#RE11040006, GFPR#RE11090002, GFPR#RE12010005)</b></li> </ol>
1.05	<p>Symptom corrected:</p> <p>If a PCL6 job is printed to a shift tray immediately following a PCL5 job, each page of the PCL6 job will be shifted instead of each job or copy being shifted.</p> <p>Note: This problem was reported most often in cases where a PCL6 job is printed with the Windows PCL5 Separator page (PCL.sep).</p>

**Reissued: 23-Feb-12**

Model: AI-C1.5	Date: 16-Dec-09	No.: RD091010c
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<b>Version</b>	<b>Modified Points or Symptom Corrected</b>
1.04	Symptom corrected: <ol style="list-style-type: none"><li>1. Every object on the page is shifted in one direction. This problem only affected HP-GL/2 jobs.</li><li>2. When a page object is superimposed over top of another, the overlapping portions of the objects might be printed in black even if they were not black objects.</li><li>3. PCL XL error resulting in jobs being cancelled occurring under a very specific set of circumstances.</li><li>4. A macro that is only supposed to be printed on the first page of a job, might also be printed on subsequent pages.</li><li>5. A device stall might occur if using a very specific combination of font types.</li></ol>
1.03	1st Mass production

Reissued: 18-Sep-14

Model: AI-C1.5	Date: 05-Jan-10	No.: RD091011d
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**RTB Reissue**

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

Subject: Firmware Release Note: Network Support		Prepared by: T. Hirakawa	
From: 1st 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Network Support**.

Version	Program No.	Effective Date	Availability of RFU
7.38	D0135777C	January 2013 production	Available
7.34	D0135777B	October 2010 production	Available
7.29.3	D0135777A	March 2010 production	Available
7.29.1	D0135777	1st Mass production	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
7.38	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>An http timeout has been implemented to prevent Web ImageMonitor lockups that sometimes occurred when applications accessed the MFP by http. (GFPE#RC10060010)</li> <li>Scan to SMB fails if the file submitted to the DFS folder in the destination and the file of the same name exist in the DFS folder.</li> <li>If Windows Authentication is enabled, printing a large number of copies of a job might take longer than might typically be expected.</li> <li>Chunk Transfer Encoding over an IPP port might results in print jobs being reset.</li> <li>If SSDP = Active (Web ImageMonitor &gt; Configuration &gt; Network Security), a high load on the CPU might result in Web ImageMonitor locking up.</li> <li>MFP with an external controller will lose network connectivity. This only occurred if the network settings were changed repeatedly and the MFP's "NetWare" setting was already "Active" (before the network settings were changed).</li> <li>The MFP icon might not be shown in the Windows "Network" dialogue if SSDP is enabled. This affected Windows Vista, 2008/R2, and 7.</li> <li>Under very specific combinations of IP address, Subnet Mask, and Gateway address, some of the MFP's network configuration settings might revert to defaults.</li> <li>Use of an IP address to send a Scan to SMB might result in the scanned document not being sent.</li> <li>Scan to SMB fails if the both of the following conditions are met.</li> <li>Either the device has NBT disabled or it is enabled but the device is unable to resolve the destination's NetBIOS name.</li> <li>One or more octets in the destination's IPv4 address contain leading zeros.</li> </ol>

Reissued: 18-Sep-14

Model: AI-C1.5	Date: 05-Jan-10	No.: RD091011d
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Version	Modified Points or Symptom Corrected
	<p>13. If the device's IPP Authentication setting is enabled, the driver cannot be installed on Windows 2008 R2 SP1 or 7 SP1 using an IPP port.</p> <p>14. SC991 might occur and network functions could not be used. This occurs if DHCP and DDNS are both enabled in the device and if the DHCP server distributes to the device an FQDN that is more than 127 byte in length.</p> <p>15. Device applications or services that use any of port 80, 443, 7443 or 7444 could not be used. This occurs if the illegal packet is sent after SSL negotiation handshake to any of the device's TCP ports 443, 7443 or 7444. Affected applications include Web Image Monitor, IPP Printing and @Remote.</p> <p>16. If "CNAME" is specified as the destination folder, ScanTo Folder will abort.</p> <p>17. When NBT is "OFF", Browse list is not shown if touch the Browse Network button on destination folder of Scan to folder.</p> <p>18. Cannot scan to shared folders in Windows 8 <b>and Windows Server 2012</b>.</p> <p>19. Cannot scan to shared folders in Mac OS X 10.7 or Mac OS X 10.8.</p> <p>This firmware is dependent on the following firmware modules. Please be sure to update all of them: System/Copy firmware v1.03 (D0925751D) or later.</p>
7.34	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. When the device IP address and DNS server location are obtained from DHCP, the domain specified by the device setting "IPv4 &gt; Domain Name &gt; Specify" will be overwritten by the domain obtained from DHCP.</li> <li>2. If the MFP/LP has a statically configured IP address and domain, it always sends a HELO using just its hostname. SMTP servers that require client HELOs to include the client's FQDN will close the connection. The result of this was that the MFP/LP was unable to send emails.</li> <li>3. Unable to Scan to SMB to Windows 7 or Windows Server 2008 R2 destinations that have Windows Live ID Sign-in assistant installed.</li> <li>4. Trying and failing to login to a Scan destination three times might result in the Scanner application stalling.</li> <li>5. Unable to Scan to SMB to Windows 98/98SE/Me/NT 4.0 destinations specified using an IP address.</li> <li>6. The SMB retry function fails to retry the sending of failed SMB transfers (Scan to SMB or Fax delivery).</li> <li>7. Unable to retrieve the Windows group name from a Windows 2008 R2 server during Windows Authentication. Because of this, logged in users will only be granted the "Available Functions" specified for them in the Addressbook.</li> <li>8. The device is unable to assign group privileges to a logged in user if that group has a name consisting of more than 20 bytes. To address this issue, the supported group name length will be increased to 40 bytes.</li> <li>9. The MFP's Windows Authentication function is unable to use Kerberos when being authenticated on a Windows 2008 or Windows 2008 R2 server. The MFP will still be successfully authenticated because it is able to fail back to NTLMv2.</li> <li>10. After changing the MFP's DNS server address or Domain name, Scan to SMB destinations specified using a hostname might not be found.</li> <li>11. The Scan to SMB "Connection Test" fails if performed on directory located directly below a DFS root. Only the "Connection Test" failed, scanning was successful and even the "Connection Test" worked if performed on any sub-directory.</li> <li>12. The device might return an SC 819 error when browsing the network using SMB.</li> </ol>

Reissued: 18-Sep-14

Model: AI-C1.5	Date: 05-Jan-10	No.: RD091011d
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Version	Modified Points or Symptom Corrected
	<p>This only occurred if SMB was browsed frequently and the device was not rebooted.</p> <p>13. If the MFP's IP address is changed to an IP address of another subnet, users will not be able to browse the network (using Scan to SMB) until the MFP is rebooted.</p> <p>Other changes: -----</p> <p>SSL-related changes: Note: The new field will only appear if Web Support firmware version 1.04 or later has also been applied to the device.</p> <ol style="list-style-type: none"> <li>1. When the device creates a certificate request, it is now able to specify which algorithm (SHA1 or MD5) it wants used to sign the certificate. This has been implemented by adding a field "Algorithm Signature" to the certificate request form.</li> <li>2. Web Image Monitor now shows the certificate's key length in:             <ul style="list-style-type: none"> <li>- Configuration &gt; Security &gt; Device Certificate &gt; Details</li> </ul> </li> <li>3. Specific versions of SSL or TLS (SSLv2, SSLv3, or TLSv1) can now be enabled/disabled using Web Image Monitor. The setting can be configured from either of the following locations:             <ul style="list-style-type: none"> <li>- Configuration &gt; Security &gt; Network Security</li> <li>- Configuration &gt; Security &gt; SSL/TLS</li> </ul> </li> <li>4. The encryption strength used for SSL can now be configured. This can be done using either of the following settings in Web Image Monitor:             <ul style="list-style-type: none"> <li>- Configuration &gt; Security &gt; Network Security</li> <li>- Configuration &gt; Security &gt; SSL/TLS</li> </ul> </li> </ol> <p>-----</p> <ol style="list-style-type: none"> <li>5. For security reasons, the device will no longer accept SSL incoming, or establish outgoing, connections that use NULL or ADH ciphers.</li> <li>6. Unable to Scan to SMB to a destination that is not specified using an FQDN.</li> <li>7. Unable to Scan to SMB to destinations that are using both LM Authentication and Samba v2.x.</li> <li>8. Windows Authentication fails if the username or password includes lower-case European characters.</li> <li>9. The device's SMB timeout was too short (1 sec). This caused problems when being used across subnets. For this reason, it has been increased to 10 sec.</li> </ol>
7.29.3	<p>Other changes:</p> <ol style="list-style-type: none"> <li>1. For security reasons, the device will no longer accept SSL connections that use the NULL or Anonymous Diffie-Hellman ciphers.</li> </ol>
7.29.1	1st Mass production

**Reissued: 04-Oct-11**

Model: AI-C1.5	Date: 07-Jan-10	No.: RD091012c
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: App2Me		Prepared by: H. Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service Sect.			
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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **App2Me**.

Version	Program No.	Effective Date	Availability of RFU
<b>1.5.700</b>	<b>D0855762B</b>	<b>November 2011 production</b>	<b>Not available</b>
1.5.2	D0855762A	May 2010 production	Not available
1.5.1	D0855762_001	Not apply to the mass production	Not available
1.02	D0855762	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
<b>1.5.700</b>	<p><b>Other changes:</b></p> <ul style="list-style-type: none"> <li>- <b><i>Korean language evaluation</i></b></li> <li>- <b><i>User log-out function by a Reset Key.</i></b></li> </ul> <p><b>Symptom corrected:</b></p> <ul style="list-style-type: none"> <li>- <b><i>The authentication failure error by screen changes at the time of a software keyboard display.</i></b></li> <li>- <b><i>Incorrect LED color when user info is displayed.</i></b></li> </ul>
1.5.2	Only the program number was changed. (Contents are the same as V1.5.1).
1.5.1	Supports App2Me Scan V2.  Note: <ul style="list-style-type: none"> <li>- App2Me Scan V2 supports the following file formats. Single page TIFF, JPEG, Multi-page TIFF, Single page PDF, Multi-page PDF, High compression PDF</li> <li>- To use this feature, Java VM version 4.19-01 or later is required.</li> </ul>
1.02	1st Mass production

**Reissued: 15-Nov-11**

Model: AI-C1.5	Date: 26-Feb-10	No.: RD091013f
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: Java VM v4		Prepared by: H.Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service S			
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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v4**.

Version	Program No.	Effective Date	Availability of RFU
<b>4.25.07</b>	<b><i>D3775918F_upd</i></b>	<b><i>November 2011 production</i></b>	<b><i>Not available</i></b>
4.24.03	D3775918E_upd	June 2011 production	Not available
4.23.00	D3775918D_upd	November 2010 production	Not available
4.22.03	D3775918C_upd	October 2010 production	Not available
4.21.05	D3775918B_upd	September 2010 production	Not available
4.20.04	D3775918A_upd	April 2010 Mass production	Not available
4.19-01	D3775918_RPQ008 V4-01	No plan for applying to Mass production	Not available
4.18	-	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
<b>4.25.07</b>	<p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>SDK/J starting logo screen does not change.</i></b></li> <li><b><i>Vulnerability to the re-negotiation of SSL/TLS .</i></b></li> <li><b><i>Other minor bugs corrections.</i></b></li> </ol> <p><b><i>Other changes:</i></b> <b><i>Kerberos certification corresponding to RC4-HMAC code form.</i></b></p>
4.24.03	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP.</li> <li>Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication.</li> <li>If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out.</li> <li>An SSL connection cannot be established if an x509 certificate is used but contains a "CRL Distribution Point".</li> </ol> <p>Other changes:</p>

**Reissued: 15-Nov-11**

Model: AI-C1.5	Date: 26-Feb-10	No.: RD091013f
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Version	Modified Points or Symptom Corrected
	Support for eDC-i1.2 and Remote Install Manager V1.1 was added.
4.23.00	Minor bug correction.
4.22.03	Fixed: 1. The SDK application may not load after turning the device on. 2. The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.  Note: This issue does not affect the device's ability to communicate with the DNS server.
4.21.05	Fixed: 1. If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged.
4.20.04	Fixed: 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB). 4. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. - The MFP tries to enter Energy Saver mode. - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode. 5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used. 6. The "NullPointerException" warning appears when using CAP/CAP-ES Card Registration Tool v1.3 and the MFP is set to Chinese language.
4.19-01	Patch Notes: This patch is for Models AL-C1.5 and R-C5.5 only. Supported: Support for App2Me has been added. Note: This patch is V4.19-01, but the number included in the self-diagnostic report (SMC report) remains unchanged (the pre-patch version is output).
4.18	1st Mass production

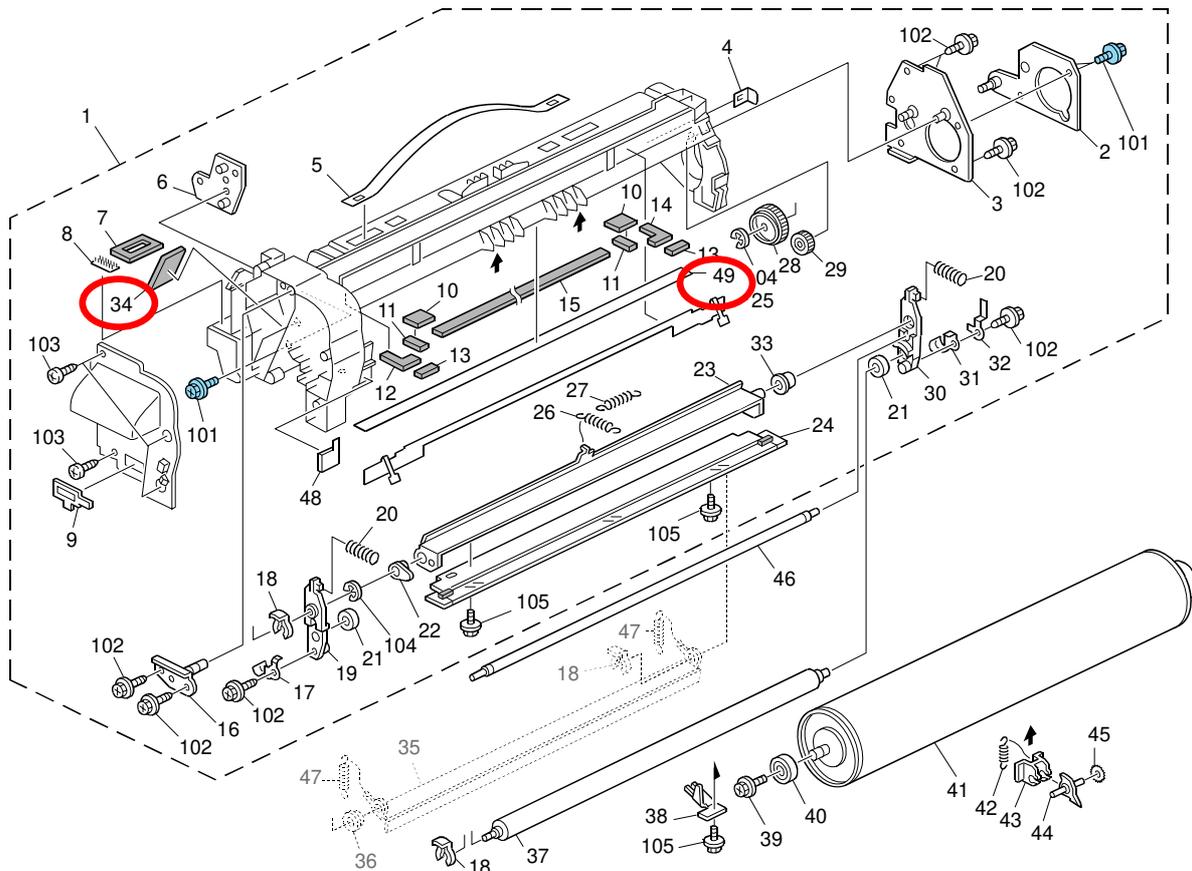
Model: AL-C1.5		Date: 25-May-10	No.: RD091015
Subject: Parts catalog correction		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
	D0092214	Separation Plate: Case: Blade: Upper	0-1	-	65	49	

**Change:**

- 1) The part shown in the table was added.
- 2) Index #34(D0092426: Seal-24.5x68.5) was added to the illustration.

**Reason:** This information was missing from the Parts Catalog.

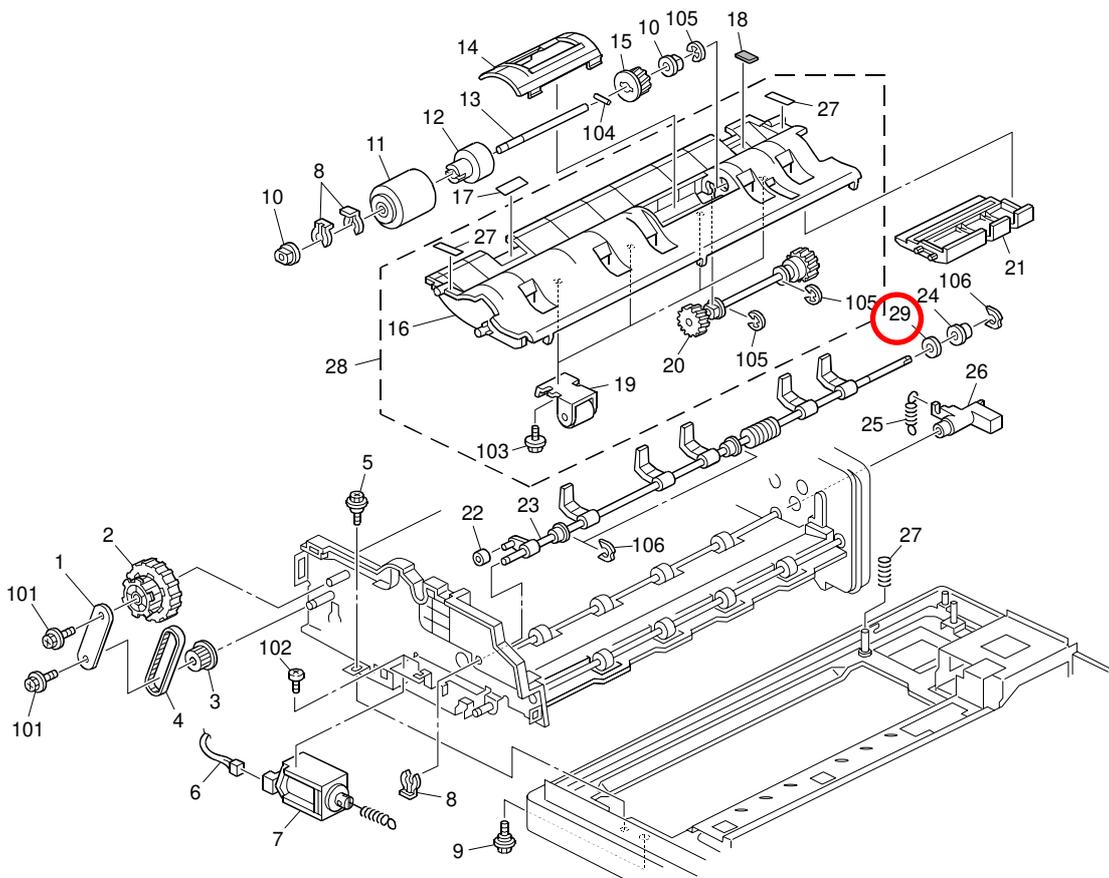


Model: AL-C1.5		Date: 21-Jun-10	No.: RD091016
Subject: Spacer		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
	AA132024	Spacer	0-1	-	25	29	

**Change:** The part in the table was added.

**Reason:** To further improve the movement of the guide (B8022226).



Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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Subject: CC-CERTIFIED IN JULY, 2010 Machine		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 checked="" 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

**Important Information on Installing the AI-C1.5 as a CC-CERTIFIED Machine**

Do the following if you want to install the AI-C1.5 as a **CC-CERTIFIED MACHINE**.

**Note:** Machines in production are CC-certified beginning in July 2010.

1. Make sure the customer has received the English language Operating Instructions (O/I) shown in the page 12 - 16.  
**Important:** For installations in the EU market, make sure this is the Ricoh-genuine O/I.
2. Tell the customer to read the “Notes for Administrators: Using this Machine in a CC-Certified Environment”.
3. Make sure that the **HDD Encryption Unit Type A** is installed.

Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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***Installation Procedure for HDD Encryption Unit Type A***

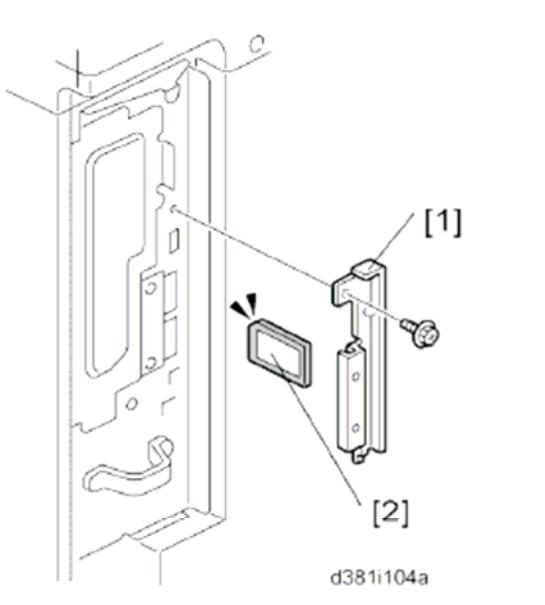
3.1 Confirm that “Admin. Authentication” is on:  
 [User Tools] > “System Settings” > “Administrator Tools” > “Administrator Authentication Management” > “Admin. Authentication” > “On”

If this setting is “Off” tell the customer that this setting must be “On” before you can do the installation procedure.

3.2 Confirm that “Administrator Tools” is selected and enabled:  
 [User Tools] > “System Settings” > “Administrator Tools” > “Administrator Authentication Management” > “Available settings”

**Note**

- “Available Settings” is not displayed until “Admin. Authentication” is switch on. If this setting is not selected, tell the customer that this setting must be selected before you can do the installation procedure.



3.3 Remove the plastic application cover [1]  
 3.4 Insert the SD card in SD card [2] Slot 2 (lower)

**Important**

- **The encryption SD card must be installed in Slot 2 (lower):**

3.5 Turn on the main power switch.  
 3.6 Enter the SP mode.  
 3.7 Select SP5878-002 (Option Setup – Encryption Option), and then touch [Execute].  
 3.8 Turn off the main power switch.  
 3.9 Remove the SD card.  
 3.10 Attach the slot cover [A]  
 3.11 Switch the machine on.

Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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***Enabling the Encryption Settings***

This must be specified by the machine administrator.

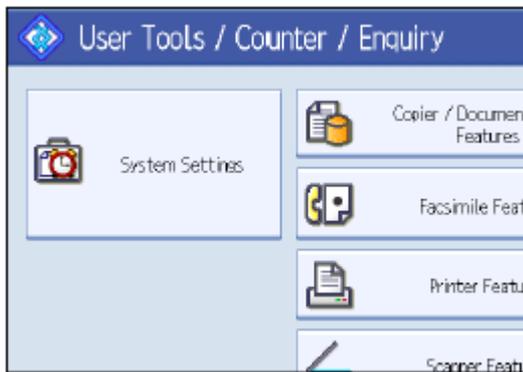
Use the following procedure to enable the encryption settings at initial set up, or after encryption settings have been canceled and settings must be made again.

**Important**

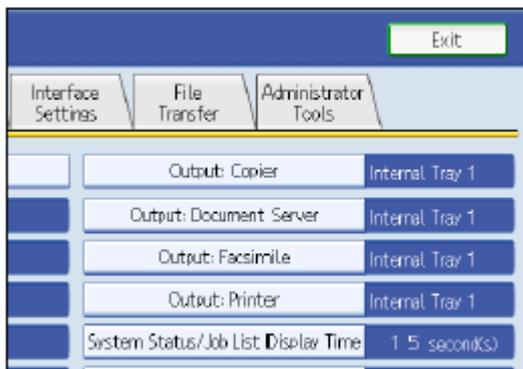
- **The encryption key is required for data recovery if the machine malfunctions. Be sure to store the encryption key safely for retrieving backup data.**

3.12 Press the [User Tools/Counter] key

3.13 Press [System settings]

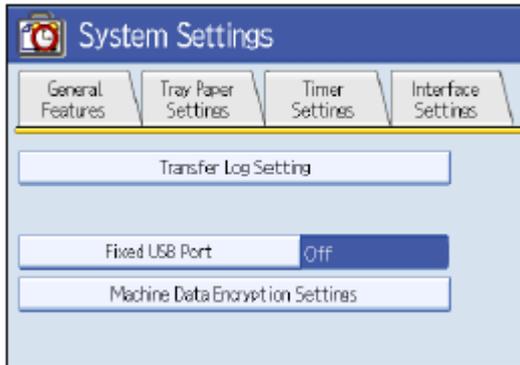


3.14 Press [Administrator Tools].

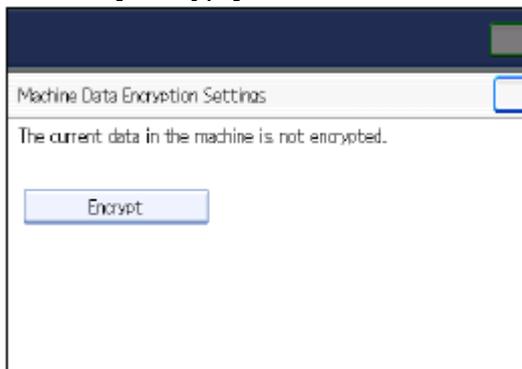


Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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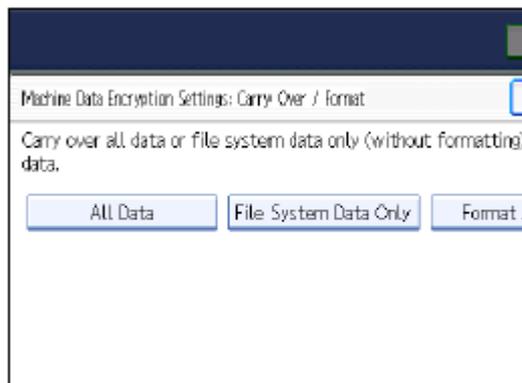
- 3.15 Press [Machine Data Encryption Settings].  
 If the setting to be specified does not appear, press [next].



- 3.16 Press [Encrypt].



- 3.17 Select the [Format All Data] to reset all of the data.  
**Note:** It takes about five minutes to complete this operation.



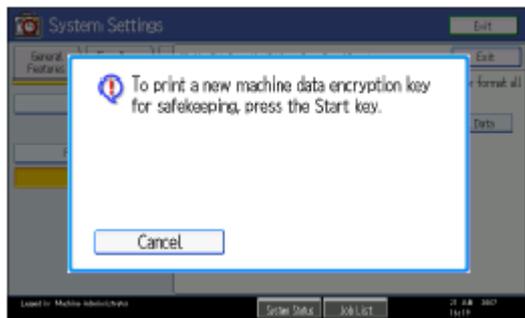
Model: AL-C1.5

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3.18 Press the [Start] key.

The encryption key for backup data is printed.



3.19 Press [OK].

3.20 Press [Exit].

3.21 Press [Exit].

3.22 Press the [User Tools/Counter] key.

3.23 Turn off the power and the main power switch, and then turn the main power switch back on.

Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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***Printing the Encryption Key***

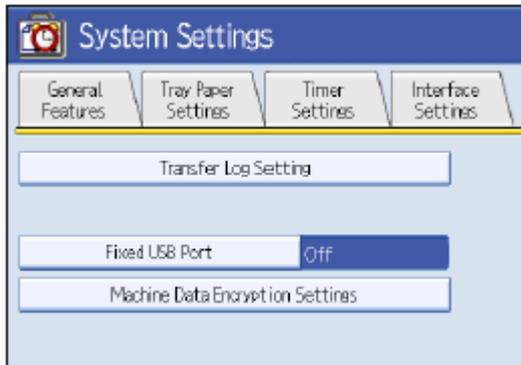
This must be specified by the machine administrator.

Use the following procedure to print the key again if it has been lost or misplaced.

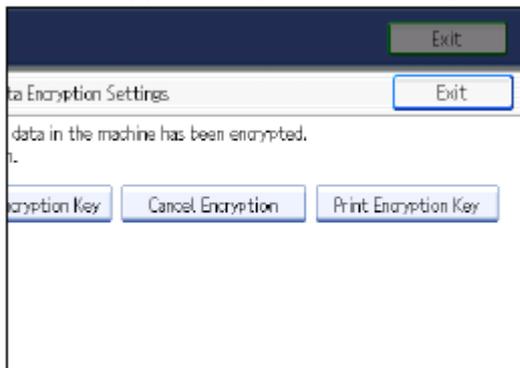
**Important**

- **The encryption key is required for data recovery if the machine malfunctions. Be sure to store the encryption key safely for retrieving backup data.**

- 3.24 Press the [User Tools/Counter] key.
- 3.25 Press [System settings]
- 3.26 Press [Administrator Tools].
- 3.27 Press [Machine Data Encryption Settings].



- 3.28 Press [Print Encryption Key].  
The encryption key for retrieving backup data is printed.



- 3.29 Press the [Start] key.
- 3.30 Press [Exit].
- 3.31 Give the printed encryption key to the customer.

Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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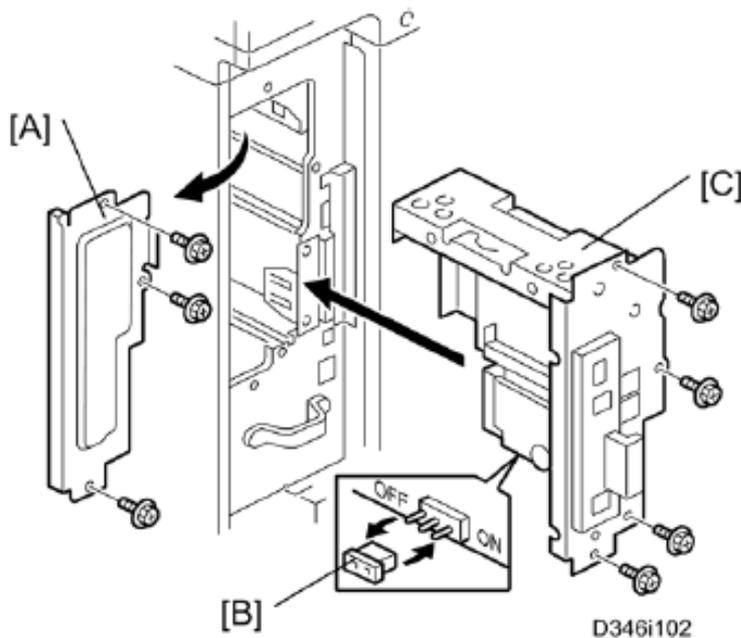
4 Make sure that the **FAX Option Type 5001** is installed.

***Installation Procedure for FAX Option Type 5001***

Before Install the FAX option;

- Confirm that the FAX Option is correct for the machine. The correct type for this machine is "FAX Option Type 5001"
- Check the box seal on the box.

The surfaces of the tapes must be blank. If you see "VOID" on the tapes, do not install the components in the box and order the new one.

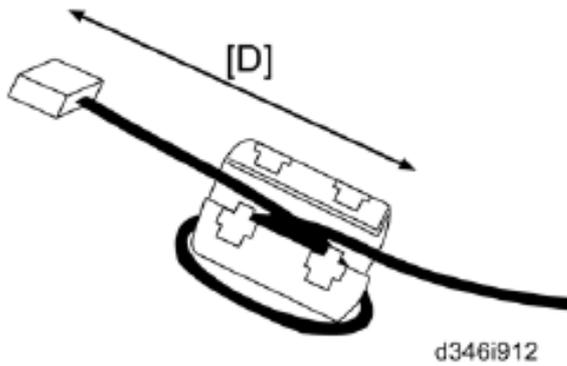


- 4.1 Attach the serial number decal near the serial number plate of the mainframe.
- 4.2 For NA models, attach the FCC decal near the serial number plate of the mainframe.
- 4.3 Remove the FCU cover [A]
- 4.4 Press down the MBU.
  - Make sure that the MBU is seated correctly. If not, SC672 occurs.
- 4.5 Remove the jumper [B] (set to OFF) and set it to ON.
  - The machine may issue SC819, SC820 if the jumper is not set to "ON" correctly. (Sometimes these SC codes are not issued.)
- 4.6 Install the FCU[C]

Model: AL-C1.5

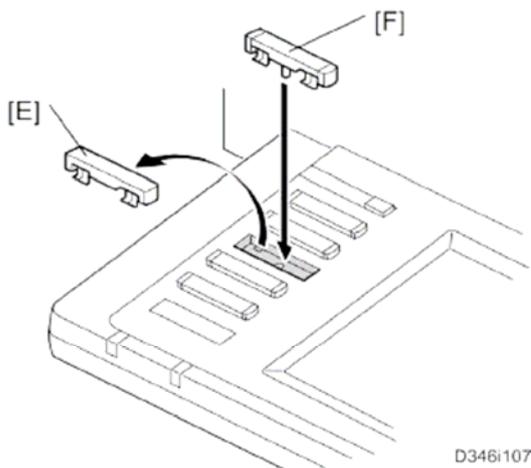
Date: 13-Jul-10

No.: RD091017

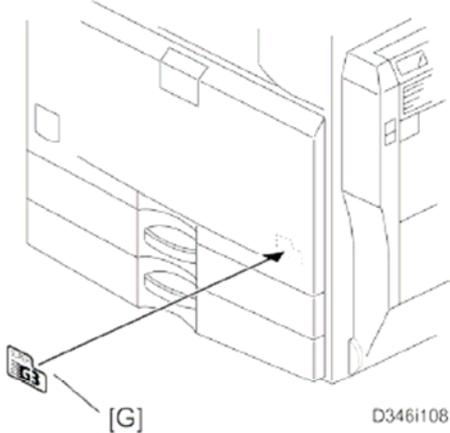


4.7 For EU models, attach the ferrite core to the telephone cord. The end of the ferrite core must be about 5cm(2.1") [D] from the end of the cable.

4.8 Connect the telephone cord to the "LINE 1" jack.



4.9 Remove dummy keytop [E] and replace it with the Fax keytop [F].



4.10 Attach the Super G3 decal [G]

Model: AL-C1.5

Date: 13-Jul-10

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4.11 Plug in the machine and turn on the main power switch.

Important;

- After you turn the machine on, if you see a message that tells you the SRAM has been formatted due to a problem with SRAM, turn the machine off and on again to clear the message.

4.12 Enter the "User Tools" mode and set date and time.

4.13 Do SP3102 in the fax SP mode and enter the serial number for the fax unit.

Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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5. Make sure that App2Me is NOT installed.

If the App2Me is installed, that machine will be NOT CC-certified machine.

6. Make sure the machine contains the correct firmware.

- If the customer wants to install the machine in the **same condition** as when CC Certification was first attained (same as the July 2010 machines), install **the exact versions** shown in the table below.
- If the customer want to install the machine as an equivalent of the July 2010 machines, install the versions shown in the table below **or later**.

If you are not sure which one the customer is requesting, **contact your sales department**.

**Firmware versions with which the AI-C1.5 first achieved CC-CERTIFICATION: (July 2010)**

Firmware Name:	Version:	Firmware Number:
System/Copy	<b>V1.00</b>	D0925751A
FAX	<b>V01.00.00</b>	D0925753A
Scanner	<b>V01.24</b>	D0115751J
Web support	<b>V1.00.1</b>	D0925755A
Printer	<b>V1.00</b>	D0925774A
Network Doc Box	<b>V1.00</b>	D0925757A
Web Uapl	<b>V1.02</b>	D0925756A
Network Support	<b>V7.29.3</b>	D0135777A
GW FCU	<b>V01.00.00</b>	D5095570A

Model: AL-C1.5

Date: 13-Jul-10

No.: RD091017

**IC key and Ic Hdd versions with which the AI-C1.5 first achieved CC-CERTIFICATION:  
(July 2010)**

Hardware:	Version:
Ic Key	<b>1100</b>
Ic Hdd	<b>01</b>

**Note:** You can check the Ic key and Ic Hdd versions in the following screen.

(User Tools/Counter → System settings → Administrator Tools → Firmware Version)

**System Settings** [Exit]

Firmware Version [Exit]

Current versions are displayed below.

Module Name	Version	Part Number	Module Name	Version	Part Number
PS3/PDF	1.01	D0125754A	ADF	12.00	B8025603
PS3 Font	1.04	D3775915A	Finisher	02.010:14	B8045552F
GWFCU3-10(WW)	02.00.00	D3465570B	Ic Key	1100	
Engine	1.05:05	D0095160H	Ic Hdd	01	
OpePanel	1.07	D0091492B			
LANG0	1.07	D0091496A			
LANG1	1.07	D0091496A			

2/2

133.139.166.102 [System Status] [Job List] 14 MAY 2009 22:18

Model: AL-C1.5

Date: 13-Jul-10

No.: RD091017

**The list of Operating Instructions (O/I)**

&lt;For NA&gt;

**Paper Documents**

- D092-7753      9240/9250  
MP 4001/MP 5001  
LD140/LD150  
Aficio MP 4001/5001  
Operating Instructions  
About This Machine
- D092-7803      9240/9250  
MP 4001/MP 5001  
LD140/LD150  
Aficio MP 4001/5001  
Operating Instructions  
Troubleshooting
- D092-7727      Notes for Users
- D085-7906B     App2Me Start Guide
- D092-7754      Notes for Administrators: Using this Machine in a CC-Certified Environment

**CD-ROMs**

- D092-7502      Manuals for Users  
9240/9250  
MP 4001/5001  
LD140/LD150  
Aficio MP 4001/5001
- D092-7504      Manuals for Administrators  
9240/9250  
MP 4001/5001  
LD140/LD150  
Aficio MP 4001/5001

Model: AL-C1.5

Date: 13-Jul-10

No.: RD091017

- D092-7790      Manuals for Administrators  
                    Security Reference Supplement  
                    9240/9250  
                    MP 4001/5001  
                    LD140/LD150  
                    Aficio MP 4001/5001
- D377-7500      VM Card Manuals

**<For GSA>****Paper Documents**

- D092-7757      9240/9250  
                    MP 4001/MP 5001  
                    LD140/LD150  
                    Aficio MP 4001/5001  
                    Operating Instructions  
                    About This Machine
- D092-7807      9240/9250  
                    MP 4001/MP 5001  
                    LD140/LD150  
                    Aficio MP 4001/5001  
                    Operating Instructions  
                    Troubleshooting
- D092-7729      Notes for Users
- D085-7905B     App2Me Start Guide
- D092-7756      Notes for Administrators: Using this Machine in a CC-Certified  
                    Environment

**CD-ROMs**

- D092-7502      Manuals for Users  
                    9240/9250  
                    MP 4001/5001  
                    LD140/LD150  
                    Aficio MP 4001/5001

Model: AL-C1.5

Date: 13-Jul-10

No.: RD091017

- D092-7504      Manuals for Administrators  
                  9240/9250  
                  MP 4001/5001  
                  LD140/LD150  
                  Aficio MP 4001/5001
- D092-7790      Manuals for Administrators  
                  Security Reference Supplement  
                  9240/9250  
                  MP 4001/5001  
                  LD140/LD150  
                  Aficio MP 4001/5001
- D377-7500      VM Card Manuals

**<For EU>****Paper Documents**

- D092-7714      Quick Reference Copy Guide
- D509-8534      Quick Reference Fax Guide
- D381-7303      Quick Reference Printer Guide
- D381-7309      Quick Reference Scanner Guide
- D092-7704      Manuals for This Machine
- D092-7700      Safety Information for Aficio MP 4001/Aficio MP 5001  
                  or  
                  D092-7701      Safety Information for MP 4001/MP 5001
- D092-7726      Notes for Users
- D085-7904B     App2Me Start Guide
- D092-7752      Notes for Administrators: Using this Machine in a CC-Certified  
                  Environment

**CD-ROMs**

- D092-7510      Manuals for Users  
                  MP 4001/5001  
                  Aficio MP 4001/5001  
                  A

Model: AL-C1.5	Date: 13-Jul-10	No.: RD091017
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- D092-7512      Manuals for Administrators  
                     Security Reference  
                     MP 4001/5001  
                     Aficio MP 4001/5001
- D092-7790      Manuals for Administrators  
                     Security Reference Supplement  
                     9240/9250  
                     MP 4001/5001  
                     LD140/LD150  
                     Aficio MP 4001/5001
- D377-7500      VM Card Manuals

**<For Asia>**

**Paper Documents**

- D092-7755      MP 4001/MP 5001  
                     MP 4001/MP 5001  
                     Aficio MP 4001/5001  
                     Operating Instructions  
                     About This Machine
- D092-7805      MP 4001/MP 5001  
                     MP 4001/MP 5001  
                     Aficio MP 4001/5001  
                     Operating Instructions  
                     Troubleshooting
- D092-7715      Quick Reference Copy Guide
- D509-8535      Quick Reference Fax Guide
- D381-7307      Quick Reference Printer Guide
- D381-7407      Quick Reference Scanner Guide
- D092-7730      Notes for Users
- D085-7906B     App2Me Start Guide
- D092-7754      Notes for Administrators: Using this Machine in a CC-Certified Environment

Model: AL-C1.5

Date: 13-Jul-10

No.: RD091017

**CD-ROMs**

- D092-7506      Manuals for Users  
                    MP 4001/5001  
                    Aficio MP 4001/5001
- D092-7508      Manuals for Administrators  
                    MP 4001/5001  
                    Aficio MP 4001/5001
- D092-7790      Manuals for Administrators  
                    Security Reference Supplement  
                    9240/9250  
                    MP 4001/5001  
                    LD140/LD150  
                    Aficio MP 4001/5001
- D377-7500      VM Card Manuals

**Reissued: 23-Feb-12**

Model: AI-C1.5	Date: 28-Sep-10	No.: RD091014a
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: Option IPDS		Prepared by: T. Hirakawa	
From: 1st 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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Option IPDS**.

Version	Program No.	Effective Date	Availability of RFU
<b>7.076</b>	<b>D3775919A</b>	<b>March 2012 production</b>	<b>Not Available</b>
7.036	D3775919	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
<b>7.076</b>	<p><b>Symptom corrected</b></p> <ol style="list-style-type: none"> <li><b><i>If a host prematurely terminates an IPDS session with the MFP, subsequent IPDS jobs cannot be printed. The data-in LED will just blink. Though any pre-mature termination of an IPDS session could cause the problem, testing has shown that the problem was most likely to occur if the IPDS session was terminated mid-job.</i></b></li> <li><b><i>Barcode "CODE 128" might be printed with the wrong dimensions.</i></b></li> <li><b><i>If a job contains 2 different fonts of the same name, characters might be unexpectedly printed in bold or italics, or in some cases might be garbled.</i></b></li> <li><b><i>Jobs that contain large images and use soft fonts might be cancelled.</i></b></li> <li><b><i>Intermittent NACK(0595..11) resulting in jobs being cancelled.</i></b></li> <li><b><i>The device is unable to negotiate a session with certain host applications such as Oce Prisma.</i></b></li> </ol>
7.036	1st Mass production

Model: AL-C1.5		Date: 08-Oct-10	No.: RD091018
Subject: Jam		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input checked="" 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 dog ear jam occurs near the bridge unit.

**CAUSE**

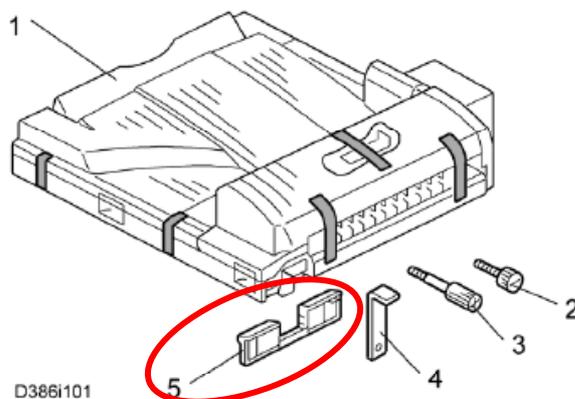
The entrance guide was not attached when the bridge unit was installed.

**SOLUTION**

Always attach the entrance guide (P/N: D3864674) when you install the bridge unit on the AL-C1/1.5.

**Note:** This entrance guide is not necessary on the At/Ap-C2.

No.	Description	Q'ty
1	Bridge Unit	1
2	Knob screw	1
3	Long Knob Screw	1
4	Holder bracket	1
5	Guide	2

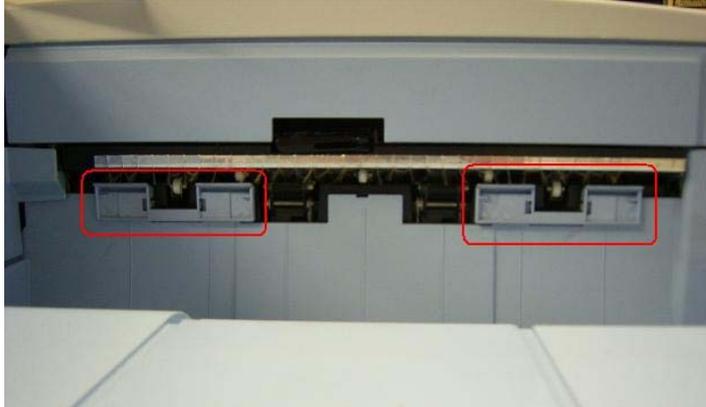


Model: AL-C1.5

Date: 08-Oct-10

No.: RD091018

The following photo shows the entrance guides when they are attached to the bridge unit:



Model:AL-C1.5	Date: 14-Oct-10	No.: RD091019
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Subject: IPDS Option Release		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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

The installation procedure for this option on the Model AL-C1.5 is shown below.

**IPDS OPTION**

**Accessories**

Description	Q'ty
1. IPDS Emulation SD Card .....	1
2. Decal .....	1

**Important:** Only one slot 1 is available for SD cards that contain applications. If you want to use more than one application, merge all applications into one SD card (SP5873-001).

**Installation**

1. Check the software version.

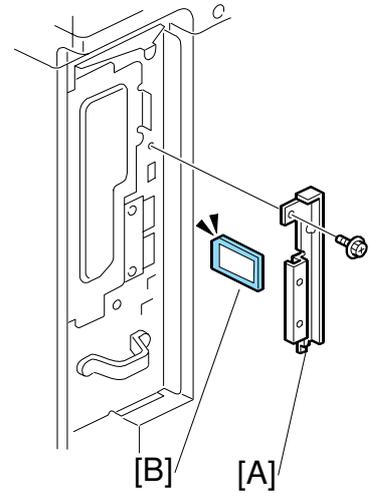
Make sure the following versions are installed:

Firmware Name	Version	Firmware Number
System	V1.01 or later	D0925751B
Printer	V1.01 or later	D0925774B

Model:AL-C1.5	Date: 14-Oct-10	No.: RD091019
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2. If necessary, update the firmware to the version(s) listed above.
3. Turn OFF the main switch.
4. Remove the slot cover [A]( x 1).
5. Insert the IPDS SD Card [B] into Slot 1.  
If Slot 1 is occupied, insert it in to Slot 2, then merge this application into the SD card in Slot 1.

**NOTE:** Pushing in the SD Card releases it for removal. Make sure the SD Card is inserted and locked in place. If it is partially out of the slot, push it in gently until it locks in place.



6. Reassemble the cover and turn ON the main switch.
7. Do the following setting "A" or "B" to enable the IPDS function.

**A. [Enable the IPDS function via telnet]**

1. Connect the machine via telnet.
2. Execute the following commands:

```
msh> set ipds up
***If you want to stop the function.
msh> set ipds down
```

**B. [Enable the IPDS option via WebImageMonitor]**

1. Log in to WebImageMonitor.
2. Change the setting to enable IPDS.

Model:AL-C1.5

Date: 14-Oct-10

No.: RD091019

8. Attach the decal as shown in the photo below.



Line up the left side of the decal with the left edged of the main power switch.

**Reissued: 14-Oct-10**

Model: <b>Model AI-C1 / AI-C1.5</b>	Date: 07-Nov-07	No.: RD009012c
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**RTB Reissue**

The items in bold italics have been added.

Subject: Firmware Release Note: LCDC		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 checked="" type="checkbox"/> Other (      )		

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

**For US Models**

Version	Program No.	Effective Date
1.08	D0091491C	December 2009 production
1.07	D0091491B	April 2008 production
1.01	D0091491A	1st Mass production

**For EU Models**

Version	Program No.	Effective Date
1.08	D0091492C	December 2009 production
1.07	D0091492B	April 2008 production
1.01	D0091492A	1st Mass production

**For ASI\_TWN Models**

Version	Program No.	Effective Date
1.08	D0091493B	December 2009 production
1.07	D0091493A	April 2008 production
1.01	D0091493	1st Mass production

**For CHN Models**

Version	Program No.	Effective Date
<b><i>1.09</i></b>	<b><i>D0091457B</i></b>	<b><i>November 2010 production</i></b>
1.08	D0091457A	December 2009 production
1.07	D0091457	1st Mass production

**For KOR Models (AI-C1 only)**

Version	Program No.	Effective Date
1.08	D0091459A	December 2009 production
1.07	D0091459	1st Mass production

Reissued: 14-Oct-10

Model: Model AI-C1 / AI-C1.5	Date: 07-Nov-07	No.: RD009012c
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**For US Models**

Version	Modified Points or Symptom Corrected
1.08	Symptom corrected: When the machine recovers from energy saver or Off/Sleep mode, LCD may not display anymore.
1.07	Symptom corrected: Wording error in the toner bottle replacement message ("right" was corrected to "left").
1.01	1st Mass production

**For EU Models**

Version	Modified Points or Symptom Corrected
1.08	Symptom corrected: When the machine recovers from energy saver or Off/Sleep mode, LCD may not display anymore.
1.07	Symptom corrected: Wording error in the toner bottle replacement message ("right" was corrected to "left").
1.01	1st Mass production

**For ASI TWN Models**

Version	Modified Points or Symptom Corrected
1.08	Symptom corrected: When the machine recovers from energy saver or Off/Sleep mode, LCD may not display anymore.
1.07	Symptom corrected: Wording error in the toner bottle replacement message ("right" was corrected to "left").
1.01	1st Mass production

**For CHN Models**

Version	Modified Points or Symptom Corrected
1.09	<b>Other changes:</b> <b>Supports Chinese font GB18030.</b>
1.08	Symptom corrected: When the machine recovers from energy saver or Off/Sleep mode, LCD may not display anymore.
1.07	1st Mass production

**For KOR Models (AI-C1 only)**

Version	Modified Points or Symptom Corrected
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**Reissued: 14-Oct-10**

Model: <b>Model AI-C1 / AI-C1.5</b>		Date: 07-Nov-07	No.: RD009012c
<b>Version</b>	<b>Modified Points or Symptom Corrected</b>		
1.08	Symptom corrected: When the machine recovers from energy saver or Off/Sleep mode, LCD may not display anymore.		
1.07	1st Mass production		

Model: AL-C1.5	Date: 08-Dec-10	No.: RD091020
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Subject: SC636		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM 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 checked="" type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (      )		

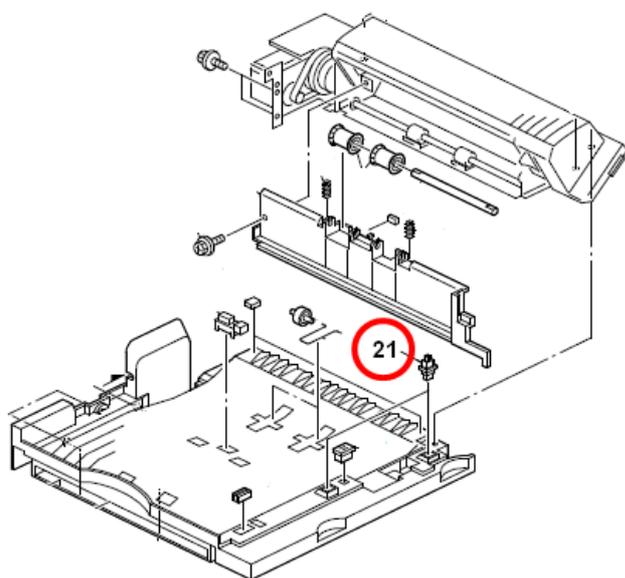
The following information has been added to the service manual on page 49.

No.	Symptom	Possible Cause/Countermeasure
636	SD Card Error	
-001	B Expanded authentication module error	
		1. There is no expanded authentication module in the machine. 2. The SD card or the expanded authentication module file is broken. 3. There is no DESS module in the machine.
-002	B Version error	
		1. The version of the expanded authentication module is not correct.

Model: AL-C1.5		Date: 25-Jan-11	No.: RD091021
Subject: Jam 1 (Cover open) occurs frequently in the bridge unit.		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input checked="" type="checkbox"/> Tier 2

**Symptom**

Jam 1 (Cover open) occurs frequently in the BU3030 Bridge unit.  
 If you replace the push switch in the red circle below, this symptom occurs again.



**Cause**

Because of the following two reasons, the push switch mistakenly detects a “cover open” when paper exits

- 1) The contact finish on the push switch wears with time, causing an unstable signal from the sensor, and this causes most of the false detection errors during continuous paper feed.
- 2). Detection timing of the push switch was designed to be very short and strict, because of the situation described above in cause 1).

**Solution**

Install the following **Engine Firmware** version or later, in which the push switch detection timing is changed.

Model	Version	Program No.	Effective Date
AL-C1.5	1.01:01	D0915160B	January 2011 production
AL-C1	1.07:05	D0095160K	January 2011 production

**Reissued:09-Mar-11**

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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**RTB Reissue**

The items in bold italics have been added.

Subject: CC-CERTIFIED IN APRIL 2011 Machine		Prepared by: K. Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM 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 checked="" 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

**Important Information on Installing the AI-C1.5 as a CC-CERTIFIED Machine compliant with IEEE Std. 2600.1™-2009**

Do the following if you want to install the AI-C1.5 as a **CC-CERTIFIED MACHINE compliant with IEEE Std. 2600.1™-2009**.

**Note:** Machines in production are CC-certified beginning in April 2011.

**Important:** If the customer requests maintenance on the machine, please perform the maintenance without accessing SP mode.

1. Make sure the customer has received the English language Operating Instructions (O/I) shown in the page 14 - 19.  
**Important:** For installations in the EU market, make sure this is the Ricoh-genuine O/I.
2. Tell the customer to read the "Notes for Administrators: Using this Machine in a Network Environment Compliant with IEEE Std. 2600.1™-2009".

**See the following pages for Steps 3 thru 7.**

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Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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3. Install the **HDD Encryption Unit Type A** is installed.

***Installation Procedure for HDD Encryption Unit Type A***

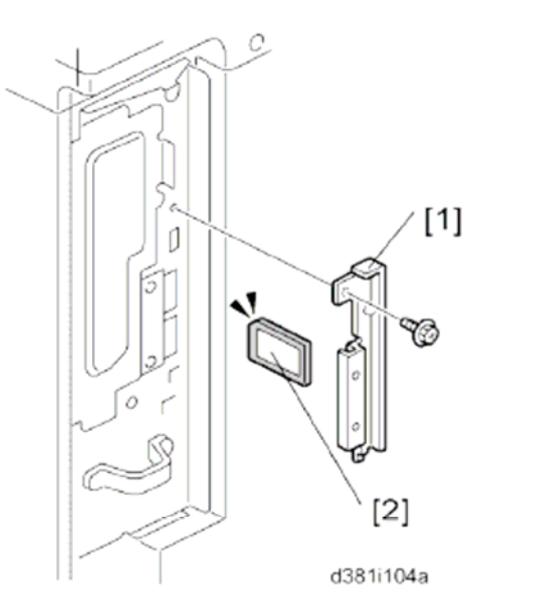
3.1 Confirm that “Admin. Authentication” is on:  
 [User Tools] > “System Settings” > “Administrator Tools” > “Administrator Authentication Management” > “Admin. Authentication” > “On”

If this setting is “Off” tell the customer that this setting must be “On” before you can do the installation procedure.

3.2 Confirm that “Administrator Tools” is selected and enabled:  
 [User Tools] > “System Settings” > “Administrator Tools” > “Administrator Authentication Management” > “Available settings”

**Note**

- “Available Settings” is not displayed until “Admin. Authentication” is switch on. If this setting is not selected tell the customer that this setting must be selected before you can do the installation procedure.



3.3 Remove the plastic application cover [1]  
 3.4 Insert the SD card in SD card[2] Slot 2 (lower)

**Important**

- **The encryption SD card must be installed in Slot 2(lower):**

3.5 Turn on the main power switch.  
 3.6 Enter the SP mode.  
 3.7 Select SP5878-002 (Option Setup – Encryption Option), and then touch [Execute].  
 3.8 Turn off the main power switch.

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- 3.9 Remove the SD card.
- 3.10 Attach the slot cover [A]
- 3.11 Switch the machine on.

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## ***Enabling the Encryption Settings***

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This must be specified by the machine administrator.

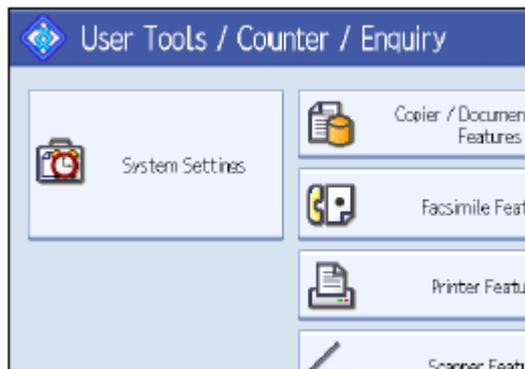
Use the following procedure to enable the encryption settings at initial set up, or after encryption settings have been canceled and settings must be made again.

### **Important**

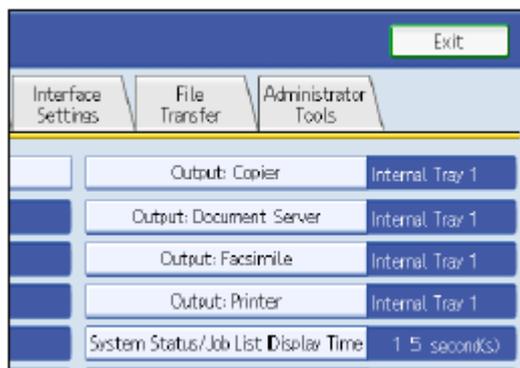
- **The encryption key is required for data recovery if the machine malfunctions. Be sure to store the encryption key safely for retrieving backup data.**

3.12 Press the [User Tools/Counter] key

3.13 Press [System settings]



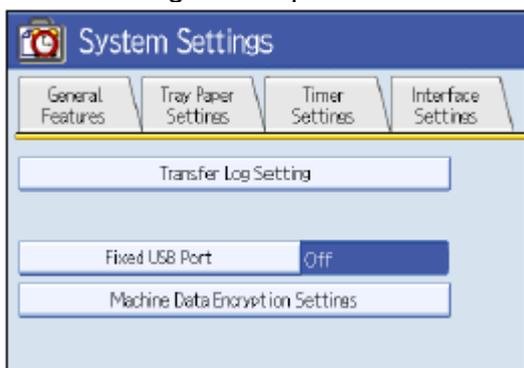
3.14 Press [Administrator Tools].



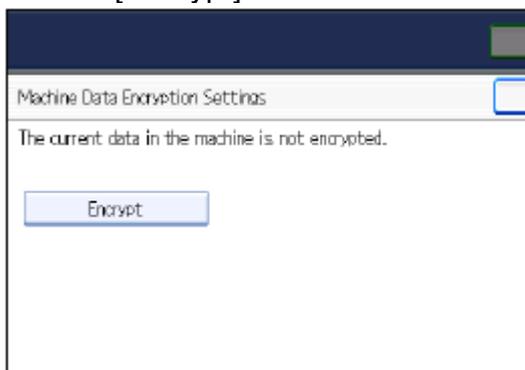
**Reissued:09-Mar-11**

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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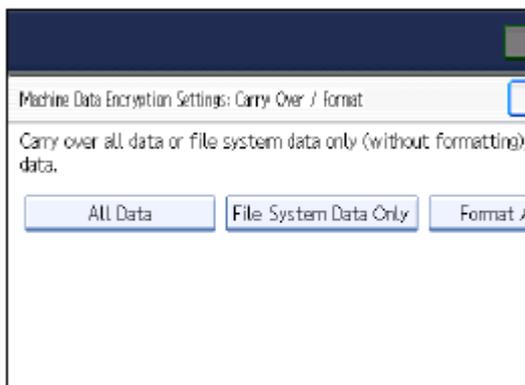
- 3.15 Press [Machine Data Encryption Settings].  
If the setting to be specified does not appear, press [next].



- 3.16 Press [Encrypt].



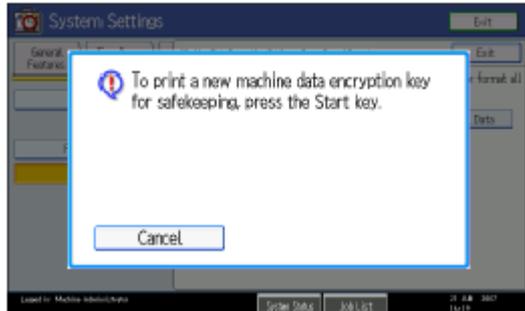
- 3.17 Select the [Format All Data] to reset all of the data.  
**Note:** It takes about five minutes to complete this operation.



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- 3.18 Press the [Start] key.  
The encryption key for backup data is printed.



- 3.19 Press [OK].
- 3.20 Press [Exit].
- 3.21 Press [Exit].
- 3.22 Press the [User Tools/Counter] key.
- 3.23 Turn off the power and the main power switch, and then turn the main power switch back on.

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Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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4 Install the Data Overwrite Security Unit.

***Installation Procedure for Data Overwrite Security Unit Type I***

**Before you begin**

4.1 Confirm that the Data Overwrite Security unit SD card is the correct type for the machine. The correct type for this machine is "Type I"

4.2 Make sure that the following features have been set up:

- Supervisor login password
- Administrator login name
- Administrator login password

Important

- **These settings must be set up by the customer before the DOS option can be installed.**

4.3 Confirm that "Admin. Authentication" is on:

[User Tools]> "System Settings">"Administrator Tools">"Administrator Authentication Management">"Admin. Authentication">"On"

If this setting is "Off" tell the customer that this setting must be "On" before you can do the installation procedure.

4.4 Confirm that "Administrator Tools" is selected and enabled:

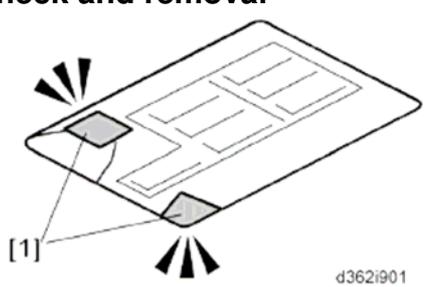
[User Tools]> "System Settings">"Administrator Tools">"Administrator Authentication Management">"Available Settings"

If this setting is not selected tell the customer that this setting must be selected before you can do the installation procedure.

Note

- "Available settings" is not displayed until Step 4.2 has been done.

**Seal Check and removal**



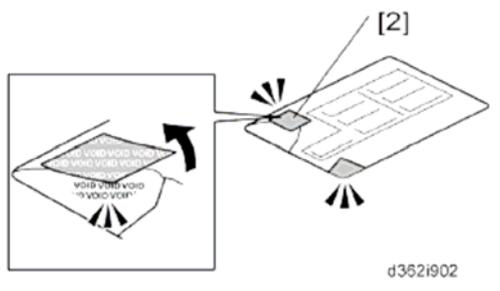
4.5 Check the box seals [1] on each corner of the box.

- Make sure that a tape is attached to the each corner.
- The surface of the tapes must be blank. If you see "VOID" on the tapes, do not install the components in the box.

4.6 If the surfaces of the tapes do not show "VOID", remove them from the corners of the box.

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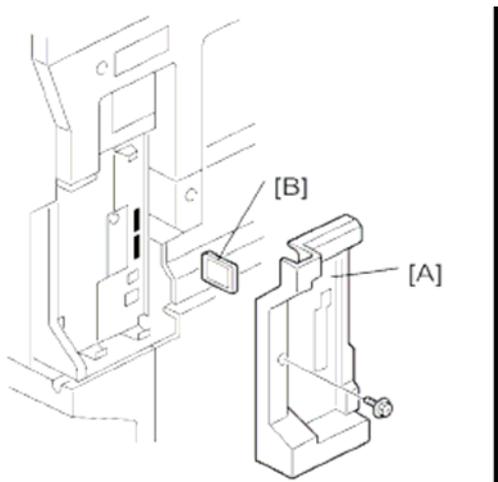
Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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4.7 When you remove each seal, the “VOID” marks [2] can be seen. In this condition, they cannot be reattached to the box.

**DOS Installation**

- 4.8 Switch off the machine.
- 4.9 Disconnect the network cable.
- 4.10 Turn the main power switch on.
- 4.11 Turn the operation switch and main power switch off.



- 4.12 Remove the plastic application cover [A]
- 4.13 Insert the SD card [B] in SD Slot 1 (upper).
- 4.14 Reconnect the network cable, if the network is connected to the copier.
- 4.15 Turn the main power switch on.
- 4.16 Do SP5878-1 (Option Setup- Data Overwrite Security) and touch [EXECUTE].
- 4.17 Go out of the SP mode, turn the operation switch off, then turn the main power switch off.
- 4.18 Turn the machine power on.
- 4.19 Make sure the ROM number and firmware version in area [a] of the diagnostic report are the same as those in area [b].
  - [a]: “ROM Number/Firmware Version”- “HDD Format Option”
  - [b]: “Loading Program”- “GW5a\_zoffym”

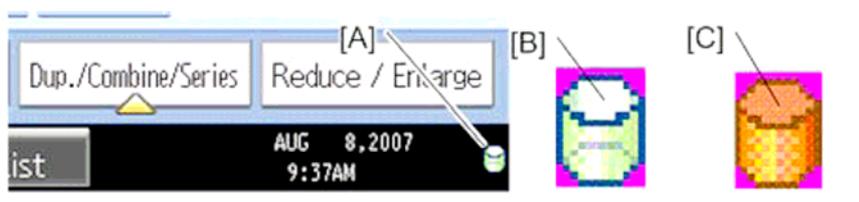
**Reissued:09-Mar-11**

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Diagnostic Report:	“ROM No./Firmware Version” [a]	“Loading Program” [b]
DataOverwriteSecurity Unit	HDD Format Option: D3775912A/1.01m	GW5a_zoffym: D3775912A/1.01m

4.20 Push [User Tools] and select System Settings> Administrator Tools> Auto Erase Memory Setting>On.

4.21 Exit from User Tools mode.



4.22 Check the display and make sure that the overwrite erase icon [A] is displayed.

4.23 Make a Sample copy

4.24 Check the overwrite erase icon.

- The icon [B] changes to [C] when job data is stored in the hard disk.
- The icon goes back to its usual shape [B] after this function has completed a data overwrite operation to the hard disk.

4.25 Do SP5990-005 (SP print mode-Diagnostic Report).

4.26 Look at the report:

- Under “[ROM No./Firmware Version]” check the number and version number listed for “HDD Format Option”
- Under “[Loading Program]” check the option number and version number listed for “GW\_zoffy”.
- These two version numbers should be identical.

4.27 Exit SP mode.

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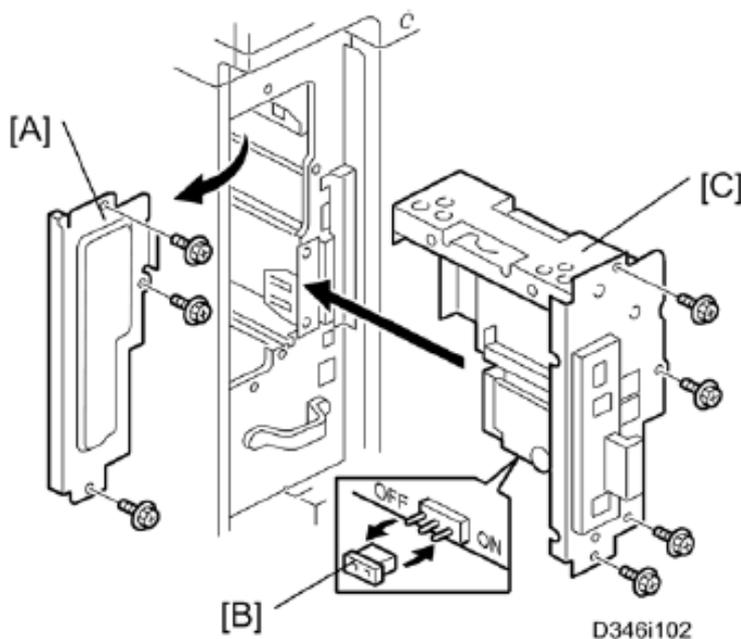
5 Install the **FAX Option Type 5001**.

***Installation Procedure for FAX Option Type 5001***

Before Install the FAX option;

- Confirm that the FAX Option is correct for the machine. The correct type for this machine is "FAX Option Type 5001"
- Check the box seal on the box.

The surfaces of the tapes must be blank. If you see "VOID" on the tapes, do not install the components in the box and order the new one.



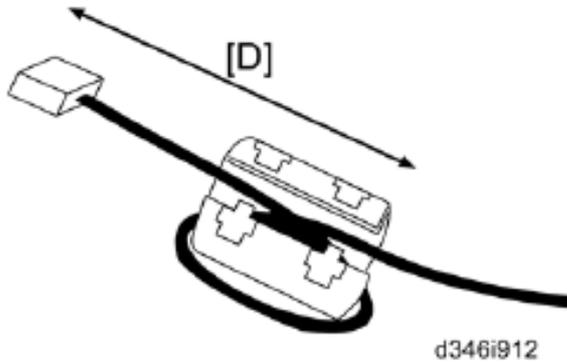
- 5.1 Attach the serial number decal near the serial number plate of the mainframe.
- 5.2 For NA models, attach the FCC decal near the serial number plate of the mainframe.
- 5.3 Remove the FCU cover [A]
- 5.4 Press down the MBU.
  - Make sure that the MBU is seated correctly. If not, SC672 occurs.
- 5.5 Remove the jumper [B] (set to OFF) and set it to ON.
  - The machine may issue SC819, SC820 if the jumper is not set to "ON" correctly. (Sometimes these SC codes are not issued.)
- 5.6 Install the FCU [C]

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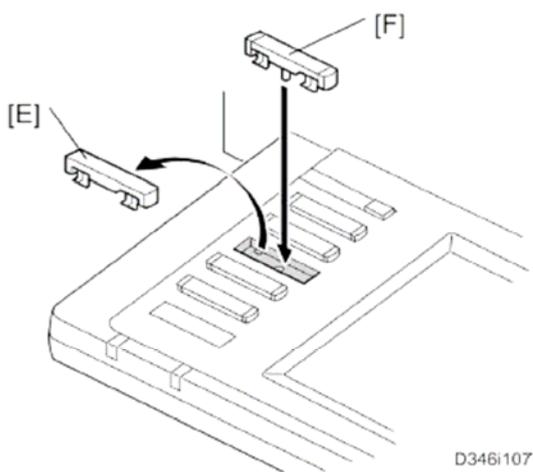
Date: 15-Feb-11

No.: RD091022a

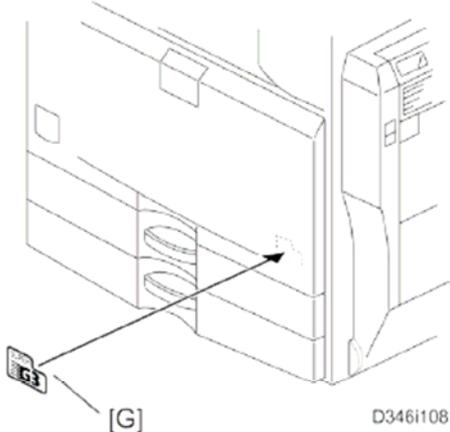


5.7 For EU models, attach the ferrite core to the telephone cord. The end of the ferrite core must be about 5cm (2.1") [D] from the end of the cable.

5.8 Connect the telephone cord to the "LINE 1" jack.



5.9 Remove dummy keytop [E] and replace it with the Fax keytop [F].



5.10 Attach the Super G3 decal [G]

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5.11 Plug in the machine and turn on the main power switch.

Important;

- After you turn the machine on, if you see a message that tells you the SRAM has been formatted due to a problem with SRAM, turn the machine off and on again to clear the message.

5.12 Enter the "User Tools" mode and set date and time.

5.13 Do SP3102 in the fax SP mode and enter the serial number for the fax unit.

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6. Make sure that App2Me is NOT installed.

If the App2Me is installed, that machine will be NOT CC-certified machine. In this case, turn off the machine main power, remove the VM card containing App2Me from slot 2, and then give the VM card to the customer.

7. Make sure the machine contains the correct firmware.

- If the customer wants to install the machine in the **same condition** as when CC Certification was first attained (same as the April 2011 machines), install **the exact versions** shown in the table below.
- If the customer want to install the machine as an equivalent of the April 2011 machines, install the versions shown in the table below **or later**.

If you are not sure which one the customer is requesting, **contact your sales department**.

**Firmware versions with which the AI-C1.5 first achieved CC-CERTIFICATION:  
(April 2011)**

**Reissued:09-Mar-11**

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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Firmware Name:	Version:	Firmware Number:
System/Copy	<b>V1.02</b>	D0925751C
Fax	<b>V02.00.00</b>	D0925753B
Scanner	<b>V01.24</b>	D0115751J
Web Support	<b>V1.04</b>	D0925755B
Printer	<b>V1.01</b>	D0925774B
Network DocBox	<b>V1.00</b>	D0925757A
Web Uapl	<b>V1.02</b>	D0925756A
Network Support	<b>V7.34</b>	D0135777B
GWFCU3-19(WW)	<b>V02.00.00</b>	D5095570B
RemoteFax	<b>V02.00.00</b>	D0925752B
animation	<b>V1.3</b>	D0135752A
Option PCL	<b>V1.03</b>	D0925770A
OptionPCLFont	<b>V1.01</b>	D0125761A
Engine	<b>V1.00:01</b>	D0915160A
OpePanel	<b>V1.08</b>	D0091491C(NA) D0091492C(EU)
LANG0	<b>V1.07</b>	D0091496
LANG1	<b>V1.07</b>	D0091496
Data Erase Opt	<b>V1.01m</b>	D3775912A

**Reissued:09-Mar-11**

Model: AL-C1.5

Date: 15-Feb-11

No.: RD091022a

**IC key and Ic Hdd versions with which the AI-C1.5 first achieved CC-CERTIFICATION:  
(April 2011)**

Hardware:	Version:
Ic Key	<b>1100</b>
Ic Hdd	<b>01</b>

**Note:** You can check the Ic key and Ic Hdd versions in the following screen.

(User Tools/Counter → System settings → Administrator Tools → Firmware Version)

System Settings

Firmware Version

Current versions are displayed below.

Module Name	Version	Part Number	Module Name	Version	Part Number
PS3/PDF	1.01	D0125754A	ADF	12.00	B8025603
PS3 Font	1.04	D3775915A	Finisher	02.010:14	B8045552F
GWFCU3-10(WW)	02.00.00	D3465570B	Ic Key	1100	
Engine	1.05:05	D0095160H	Ic Hdd	01	
OpePanel	1.07	D0091492B			
LANG0	1.07	D0091496A			
LANG1	1.07	D0091496A			

133.139.166.102

System Status Job List

14 MAY 2009 22:18

Reissued:09-Mar-11

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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**The list of Operating Instructions (O/I)**

**<For NA>**

**Paper Documents**

- D092-7753      9240/9250  
                     MP 4001/MP 5001  
                     LD140/LD150  
                     Aficio MP 4001/5001  
                     Operating Instructions  
                     About This Machine
- D092-7803      9240/9250  
                     MP 4001/MP 5001  
                     LD140/LD150  
                     Aficio MP 4001/5001  
                     Operating Instructions  
                     Troubleshooting
- D092-7727      Notes for Users
- D085-7906B     App2Me Start Guide
- D381-7501      Notes for Administrators: Using this Machine in a Network  
                     Environment Compliant with IEEE Std. 2600.1™-2009
- D085-7810      Operating Instructions Notes on Security Functions
- D377-7250      Notes for Users
- **D060-7781      *Notes for Users***
- **G189-6775      *Notes for Users***
- **D092-7905      *Notes for Users***
- **D029-7904      *To Users of This Machine***

**CD-ROMs**

- D092-7502      Manuals for Users  
                     9240/9250  
                     MP 4001/5001  
                     LD140/LD150  
                     Aficio MP 4001/5001

**Reissued:09-Mar-11**

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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- D092-7504      Manuals for Administrators  
                    9240/9250  
                    MP 4001/5001  
                    LD140/LD150  
                    Aficio MP 4001/5001
- D092-7790      Manuals for Administrators  
                    Security Reference Supplement  
                    9240/9250  
                    MP 4001/5001  
                    LD140/LD150  
                    Aficio MP 4001/5001
- D377-7500      VM Card Manuals
- D377-7900A     Manuals DataOverwriteSecurity Unit Type H/I

**<For GSA>****Paper Documents**

- D092-7757      9240/9250  
                    MP 4001/MP 5001  
                    LD140/LD150  
                    Aficio MP 4001/5001  
                    Operating Instructions  
                    About This Machine
- D092-7807      9240/9250  
                    MP 4001/MP 5001  
                    LD140/LD150  
                    Aficio MP 4001/5001  
                    Operating Instructions  
                    Troubleshooting
- D092-7729      Notes for Users
- D085-7905B     App2Me Start Guide
- D381-7502      Notes for Administrators: Using this Machine in a Network  
                    Environment Compliant with IEEE Std. 2600.1™-2009

**Reissued:09-Mar-11**

Model: AL-C1.5

Date: 15-Feb-11

No.: RD091022a

- D381-7503 Operating Instructions Notes on Security Functions
- D377-7250 Notes for Users
- **D060-7782** **Notes for Users**
- **G189-6776** **Notes for Users**
- **D092-7905** **Notes for Users**
- **D029-7903** **To Users of This Machine**

**CD-ROMs**

- D092-7502 Manuals for Users  
9240/9250  
MP 4001/5001  
LD140/LD150  
Aficio MP 4001/5001
- D092-7504 Manuals for Administrators  
9240/9250  
MP 4001/5001  
LD140/LD150  
Aficio MP 4001/5001
- D092-7790 Manuals for Administrators  
Security Reference Supplement  
9240/9250  
MP 4001/5001  
LD140/LD150  
Aficio MP 4001/5001
- D377-7500 VM Card Manuals
- D377-7900A Manuals DataOverwriteSecurity Unit Type H/I

**<For EU>****Paper Documents**

- D092-7714 Quick Reference Copy Guide
- D509-8534 Quick Reference Fax Guide
- D381-7303 Quick Reference Printer Guide

**Reissued:09-Mar-11**

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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- D381-7309 Quick Reference Scanner Guide
- D092-7704 Manuals for This Machine
- D092-7700 Safety Information for Aficio MP 4001/Aficio MP 5001  
or  
D092-7701 Safety Information for MP 4001/MP 5001
- D092-7726A Notes for Users
- D085-7904B App2Me Start Guide
- D381-7500 Notes for Administrators: Using this Machine in a Network Environment Compliant with IEEE Std. 2600.1<sup>TM</sup>-2009
- D085-7809 Operating Instructions Notes on Security Functions
- D377-7250 Notes for Users
- **D060-7781** **Notes for Users**
- **G189-6785** **Notes for Users**
- **D092-7907** **Notes for Users**
- **D029-7907** **To Users of This Machine**

**CD-ROMs**

- D092-7510 Manuals for Users  
MP 4001/5001  
Aficio MP 4001/5001  
A
- D092-7512 Manuals for Administrators  
Security Reference  
MP 4001/5001  
Aficio MP 4001/5001
- D092-7790 Manuals for Administrators  
Security Reference Supplement  
9240/9250  
MP 4001/5001  
LD140/LD150  
Aficio MP 4001/5001
- D377-7500 VM Card Manuals

**Reissued:09-Mar-11**

Model: AL-C1.5	Date: 15-Feb-11	No.: RD091022a
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- D377-7900A Manuals DataOverwriteSecurity Unit Type H/I

**<For Asia>**

**Paper Documents**

- D092-7755 MP 4001/MP 5001  
MP 4001/MP 5001  
Aficio MP 4001/5001  
Operating Instructions  
About This Machine
- D092-7805 MP 4001/MP 5001  
MP 4001/MP 5001  
Aficio MP 4001/5001  
Operating Instructions  
Troubleshooting
- D092-7715 Quick Reference Copy Guide
- D509-8535 Quick Reference Fax Guide
- D381-7307 Quick Reference Printer Guide
- D381-7407 Quick Reference Scanner Guide
- D092-7730 Notes for Users
- D085-7906B App2Me Start Guide
- D381-7501 Notes for Administrators: Using this Machine in a Network Environment Compliant with IEEE Std. 2600.1™-2009
- D085-7810 Operating Instructions Notes on Security Functions
- D377-7250 Notes for Users
- **D060-7781** **Notes for Users**
- **G189-6775** **Notes for Users**
- **D092-7905** **Notes for Users**
- **D029-7904** **To Users of This Machine**

**Reissued:09-Mar-11**

Model: AL-C1.5

Date: 15-Feb-11

No.: RD091022a

**CD-ROMs**

- D092-7506      Manuals for Users  
                    MP 4001/5001  
                    Aficio MP 4001/5001
- D092-7508      Manuals for Administrators  
                    MP 4001/5001  
                    Aficio MP 4001/5001
- D092-7790      Manuals for Administrators  
                    Security Reference Supplement  
                    9240/9250  
                    MP 4001/5001  
                    LD140/LD150  
                    Aficio MP 4001/5001
- D377-7500      VM Card Manuals
- D377-7900A     Manuals DataOverwriteSecurity Unit Type H/I

Model: AL-C1.5	Date: 28-Feb-11	No.: RD091023
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Subject: Printer Service Mode		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM 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 checked="" type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (      )		

**Service Manual Revision**

The areas in **bold** were corrected.

Appendices “4.Appendix: Service Program Mode Tables” of D009/D011/D012/D013/**D091/D092** Service Manual (pg.292-293).

1001	Bit Switch		
006	Bit Switch 6	0	1
	bit0 to 5	DFU	-
	bit6	PDL Auto Detection timeout of jobs submitted via USB or Parallel Port(IEEE 1284)	0:Disable (Immediately)
		To be used if PDL auto- detection fails. A failure of PDL auto-detection doesn't necessarily mean that the job can't be printed. This bit switch tells the device whether to time-out immediately (default) upon failure or to wait 10 seconds.	1:Enable (10 seconds)
	bit7	<b>Timing of the PJL Status ReadBack (JOB END) when printing multiple collated copies</b>	<b>0:Disable</b>
		<b>This bitsw determines the timing of the PJL USTATUS JOB END sent when multiple collated copies are being printed.</b> <b>0 (default): JOB END is sent by the device to the client after the first copy has completed printing. This causes the page counter to be incremented after the first copy and then again at the end of the job.</b> <b>1: JOB END is sent by the device to the client after the last copy has finished printing. This causes the page counter to be incremented at the end of each job.</b>	<b>1:Enable</b>

Model: Alex-C1.5		Date: 02-Mar-11	No.: RD091024
Subject: Parts information		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

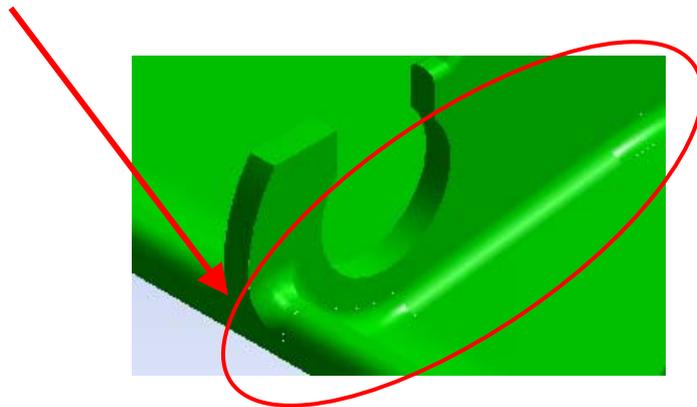
Old parts number	New parts number	Description	Q'ty	Int	Page	Index
B8022226	<b>B8022228</b>	GUIDE : REVERSE : OPEN AND CLOSE	1/1	X/O As a Set / -	25	16
AA132024	-	SPACER - M6	1/0		25	29

**Change:** The shape of the guide was changed (see below), and the M6 spacer was deleted.

**Reason:** To strengthen the guide and to improve serviceability.

**Note:** When you install the new guide, you do not need to install the M6 spacer.

**The thickness of this area was increased**



Model: AL-C1.5	Date: 23-Mar-11	No.: RD091025
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Subject: Service manual correction		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM 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 checked="" type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (      )		

**Service Manual Revision**

The areas ~~crossed-out~~ were **deleted**.

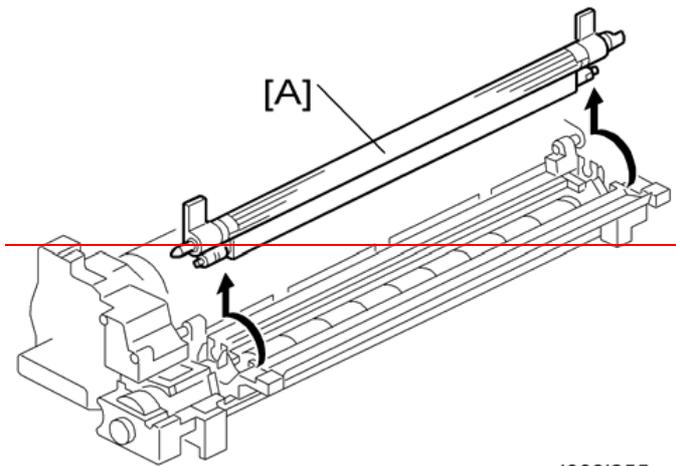
**Important:** If the development sleeve needs to be replaced, replace the entire development unit. This is because the PG (photoconductor gap) is a very precise adjustment that requires factory precision.

4. Replacement and Adjustment”  
pg.191-192

**Service Manual (pg.191-192)**

~~Development Roller~~

- ~~1. PCDU (p.183)~~
- ~~2. Open the PCDU. (p.183)~~
- ~~3. Upper development cover (p.191)~~



**4. Development roller [A]**

~~Work carefully to avoid scratching or nicking the development roller.~~

**Reissued: 15-Nov-11**

Model: AI-C1.5	Date: 29-Mar-11	No.: RD091026b
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**RTB Reissue**

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Java VM v4 Update tool (China)		Prepared by: H. Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service S			
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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v4 Update tool (China)**.

Version	Program No.	Effective Date	Availability of RFU
<b>4.25.07</b>	<b><i>D3775928C_upd</i></b>	<b><i>November 2011 production</i></b>	<b><i>Not available</i></b>
4.24.03	D3775928B_upd	June 2011 production	Not available
4.23.00	D3775928A_upd	November 2010 production	Not available
-	-	1st Mass production	-

**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
<b>4.25.07</b>	<p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>SDK/J starting logo screen does not change.</i></b></li> <li><b><i>Vulnerability to the re-negotiation of SSL/TLS .</i></b></li> <li><b><i>Other minor bugs corrections.</i></b></li> </ol> <p><b><i>Other changes:</i></b>  <b><i>Kerberos certification corresponding to RC4-HMAC code form.</i></b></p>
4.24.03	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP.</li> <li>Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication.</li> <li>If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out.</li> <li>An SSL connection cannot be established if an x509 certificate is used but contains a "CRL Distribution Point".</li> </ol> <p>Other changes:                      Support for eDC-i1.2 and Remote Install Manager V1.1 was added.</p>
4.23.00	Minor bug correction

**Reissued: 15-Nov-11**

Model: AI-C1.5	Date: 29-Mar-11	No.: RD091026b
<b>Version</b>	<b>Modified Points or Symptom Corrected</b>	
-	1st Mass production	

Model: AL-C1.5		Date: 20-Apr-11	No.: RD091027
Subject: Parts information		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

**Change:** Some circuit elements on the PCB (PSU) were changed.

**Reason:** To improve reliability.

Old parts number	New parts number	Description	Q'ty	Int	Page	Index
AZ240141	<b>AZ240191</b>	POWER SUPPLY UNIT -230V	1/1	<b>O/O</b>	105	21

Target model codes:

AL-C1.5(EU): D029-92

AL-C1.5(AA): D091-29, D092-29

AL-C1.5 (CHN) - D091-21, D092-21

AL-C1(EU): D012-92, D013-92

AL-C1 (AA): D009-29, D011-29, D012-29, D013-29

AL-C1 (CHN): D009-21, D009-61, D012-21, D012-61

AL-C1 (KRE) - D009-28, D011-28, D012-28, D013-28

AL-P1 (EU): G179-22, G179-27

Model: AL-C1.5		Date: 12-May-11	No.: RD091028
Subject: Part catalog correction		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
D0099590	D0099593	NV-RAM	1-1	O/O	107	23	

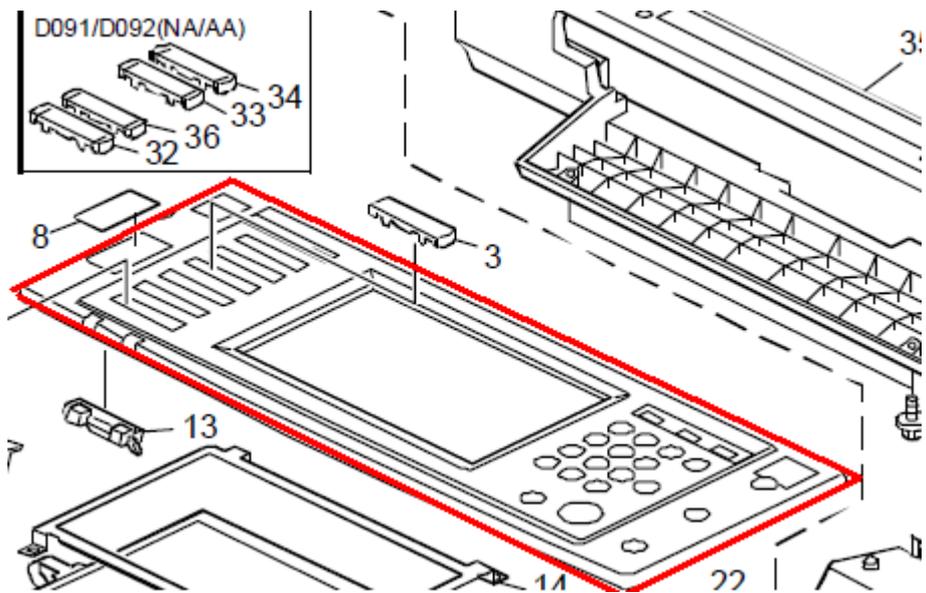
**Change/Reason:** Parts Catalog correction

Model: AL-C1.5		Date: 12-May-11	No.: RD091029
Subject: Part Catalog Correction		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
-	D0091501	COVER:UPPER	0-1		17	40	

**Change/Reason:**

As per field request, the following part was newly added as a service part.

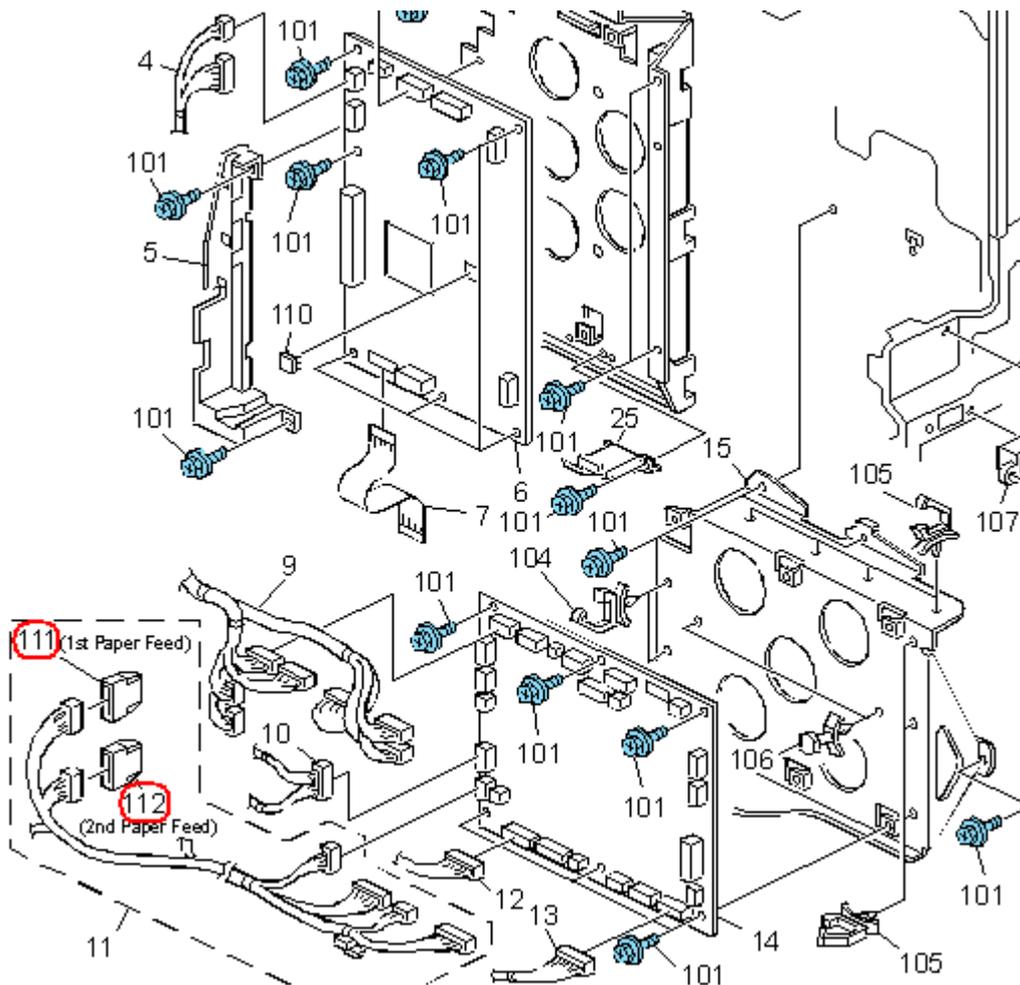


Model: AL-C1.5		Date: 11-Jul-11	No.: RD091030
Subject: Part Information		Prepared by: T.Hirakawa	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
-	<b>11026257</b>	RELAY CONNECTOR - 14P	0-1		105	111	
-	<b>11026271</b>	CONNECTOR:53358-1442	0-1		105	112	

**Change/Reason:**

As per field request, the following parts were newly added as service parts.



Reissued: 15-Nov-11

Model: AI-C1.5	Date: 20-Jul-11	No.: RD091031a
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**RTB Reissue**

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

Subject: Firmware Release Note: (Java VM v4 for eDC)		Prepared by: H. Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service Sect.			
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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v4 for eDC**.

Version	Program No.	Effective Date
<b><i>4.25.07</i></b>	<b><i>D3775918F_edc</i></b>	<b><i>November 2011 production</i></b>
4.24.03	D3775918E_edc	June 2011 production

Version	Modified Points or Symptom Corrected
<b><i>4.25.07</i></b>	<p><b><i>*This module is for Remote Install Manager and updating JavaVM.</i></b></p> <p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>1. SDK/J starting logo screen does not change.</i></b></li> <li><b><i>2. Vulnerability to the re-negotiation of SSL/TLS .</i></b></li> <li><b><i>3. Other minor bugs corrections.</i></b></li> </ol> <p><b><i>Other changes:</i></b></p> <p><b><i>Kerberos certification corresponding to RC4-HMAC code form.</i></b></p>
4.24.03	Initial release

Reissued: 15-Nov-11

Model: AI-C1.5	Date: 20-Jul-11	No.: RD091032a
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**RTB Reissue**

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

Subject: Firmware Release Note: (Java VM v4 for eDC: China)		Prepared by: H. Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service Sect.			
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 (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v4 for eDC: China**.

Version	Program No.	Effective Date
<b><i>4.25.07</i></b>	<b><i>D3775928C_edc</i></b>	<b><i>November 2011 production</i></b>
4.24.03	D3775928B_edc	June 2011 production

Version	Modified Points or Symptom Corrected
<b><i>4.25.07</i></b>	<p><b><i>*This module is for Remote Install Manager and updating JavaVM.</i></b></p> <p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>1. SDK/J starting logo screen does not change.</i></b></li> <li><b><i>2. Vulnerability to the re-negotiation of SSL/TLS .</i></b></li> <li><b><i>3. Other minor bugs corrections.</i></b></li> </ol> <p><b><i>Other changes:</i></b></p> <p><b><i>Kerberos certification corresponding to RC4-HMAC code form.</i></b></p>
4.24.03	Initial release

Model: Model AL-C1.5	Date: 14-Dec-11	No.: RD091033
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Subject: Part information		Prepared by: Takuya Hirakawa	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (      )		

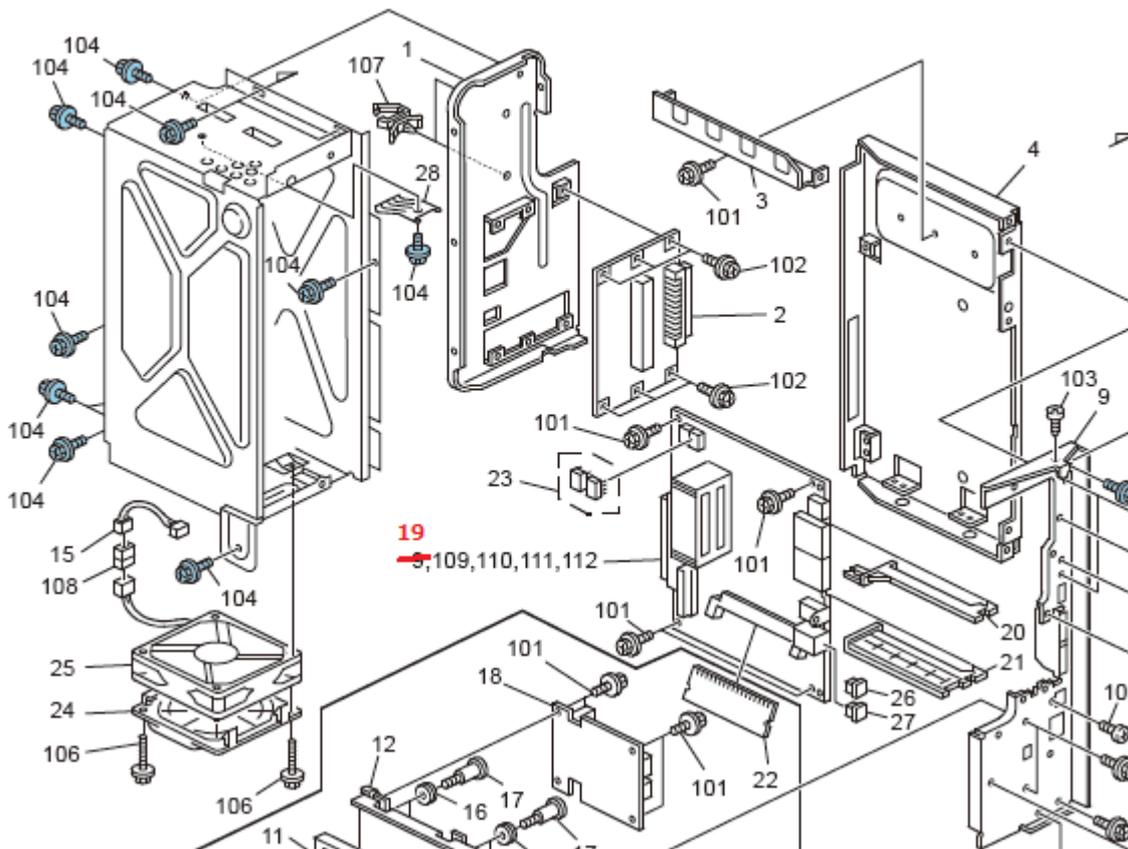
Old part number	New part number	Description	Q'ty	Int	Note
D0092105	D0092110	PCU:ALEX-C1:EXP:SERVICE:ASS'Y	1-1	O/O	-

**Change:** The color of the inner cover was changed to black.  
 There is **no difference** in machine function or performance.

Model: AL-C1.5		Date: 28-Oct-14	No.: RD091034
Subject: Part Catalog Correction		Prepared by: T.Hirakawa	
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

**Change/Reason:** The index shown below was corrected.

**48.Electrical Section 5 (D009/D011/D012/D013)**



Model: AL-C1.5	Date: 27-Jan-15	No.: RD091035
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Subject: Parts change and addition information.		Prepared by: A.Ishida	
From: 2nd 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

**Change/Reason:** To prevent the cleaning web from coming loose, the following parts are changed and newly added to the fusing unit.

[1] Addition of a variable brake on a cleaning web.

[2] Changed the one-way clutch method to ratchet method on the holder roller.

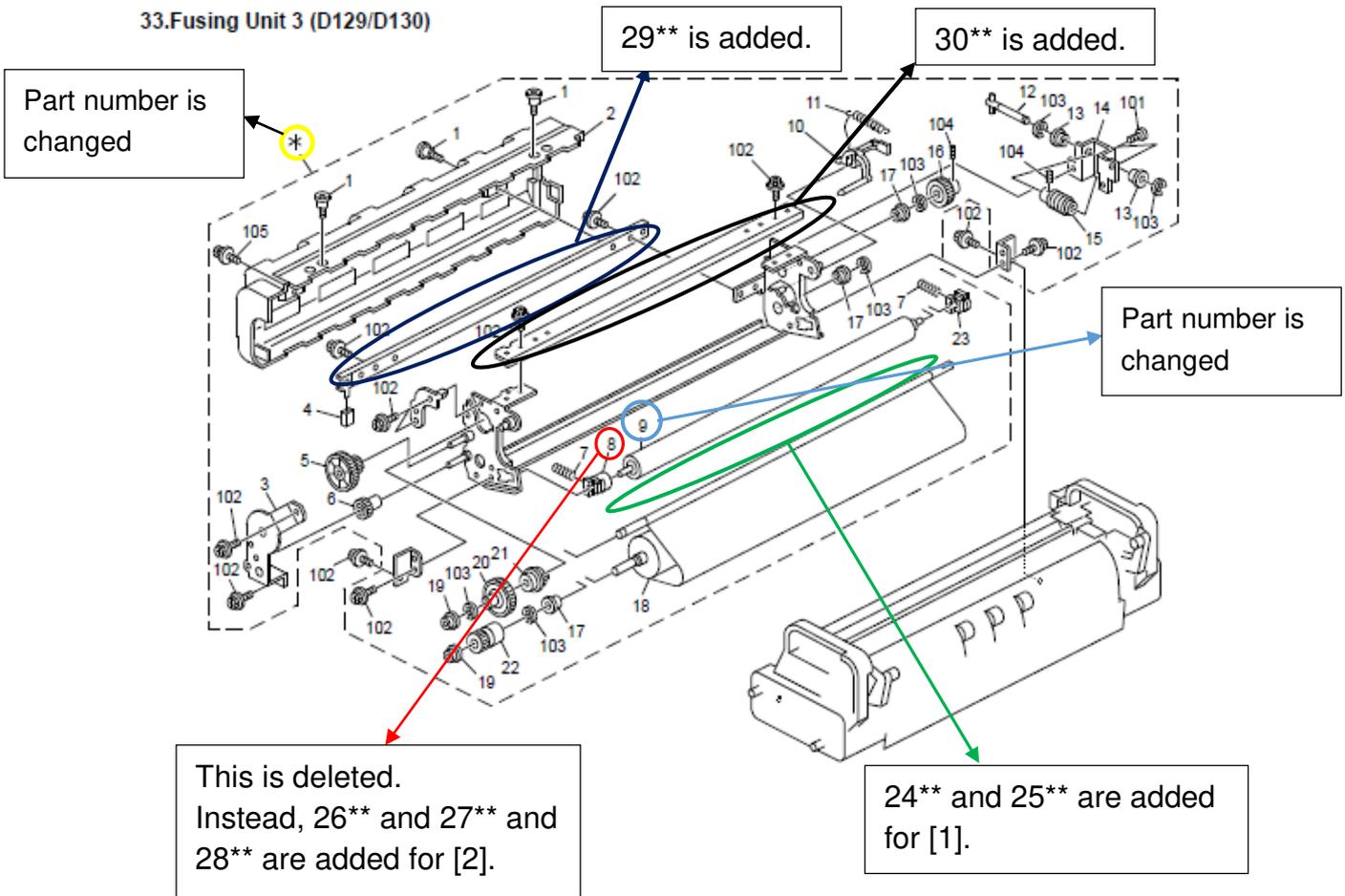
Old part number	New part number	Description	Q'ty	Int	Page	Index	Set	Note
D1294305	D1294304	CLEANING UNIT:ASS'Y	1	X/O	76	*		
AE040099	AE040100	ROLLER: PLATE	1	X/X	76	9	B	
-	D1294331	FLAT NUT:BRAKE	1		76	24**	A	Please refer to [A] for [1]
-	D1294332	BRAKE:WEB	1		76	25**	A	Please refer to [B] for [1]
D0094355	-	ROLLER CLUTCH			76	8		Deleted, please refer to [C]
-	D1294359	BUSHING: ROLLER:PLATE: FRONT	2	X/X	76	26**	B	Please refer to [D] for [2]
-	B0654211	PRESSURE ROLLER GEAR	1		76	27**	B	Please refer to [E] for [2]
-	B1404209	BRACKET: STOPPER:ASS'Y	1		76	28**	B	Please refer to [F] for [2]
-	D1294309	BRAKE:WEB:ASS'Y	1		76	29**		
-	D0094321	STAY:UPPER	1		76	30**		

• The part number of the Fusing Unit did not change.

\*\* : New Index

Model: AL-C1.5	Date: 27-Jan-15	No.: RD091035
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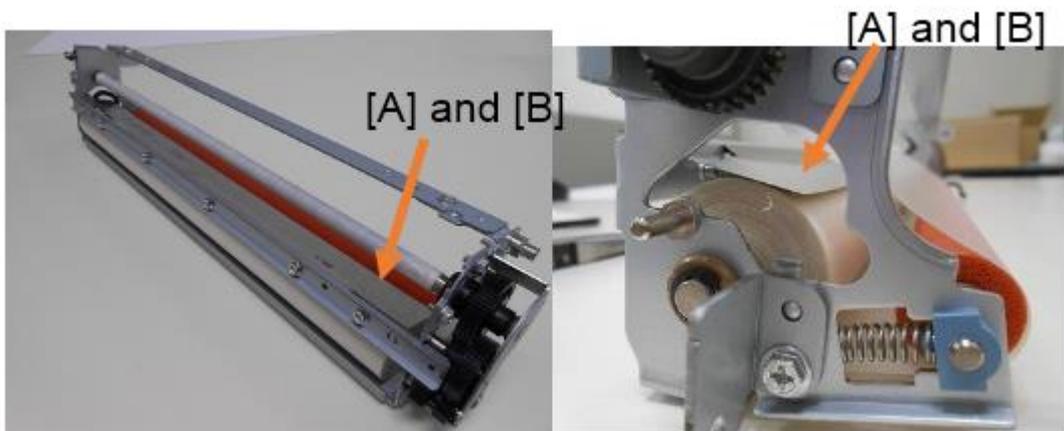
33.Fusing Unit 3 (D129/D130)



Model: AL-C1.5	Date: 27-Jan-15	No.: RD091035
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**[1]: Please refer to the following pictures.**

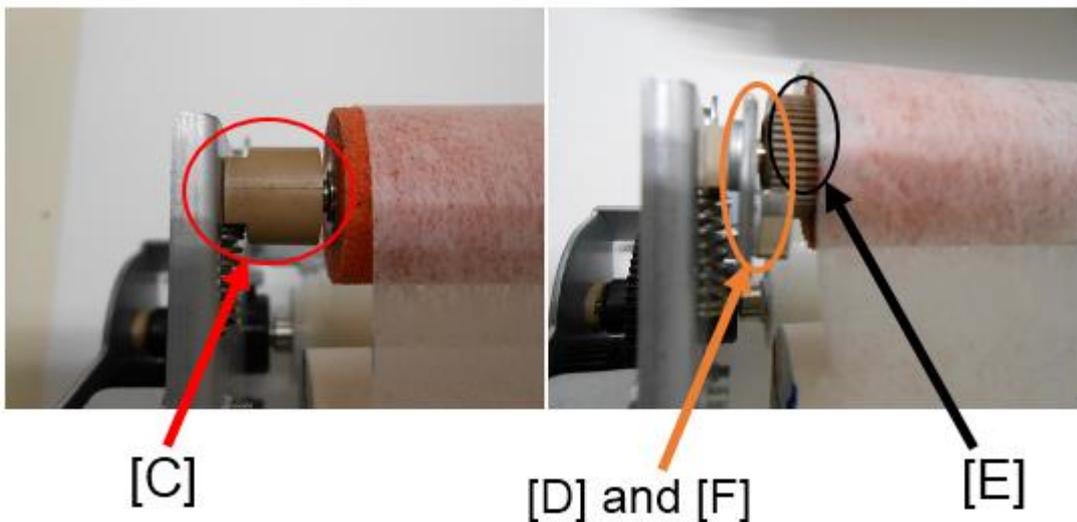
[A] and [B] are the variable brake.



**[2]: Please refer to the following pictures.**

One-way clutch method

Ratchet method



**Action to take on MIF:**

Please install a new cleaning unit (p/n: D1294304) when a cleaning web issue occurs, because individual parts are not compatible due to changing of a frame on the fusing unit. After that, individual parts can be replaced.

Model: AL-C1.5	Date: 27-Jan-15	No.: RD091035
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**RAI (China) Production**

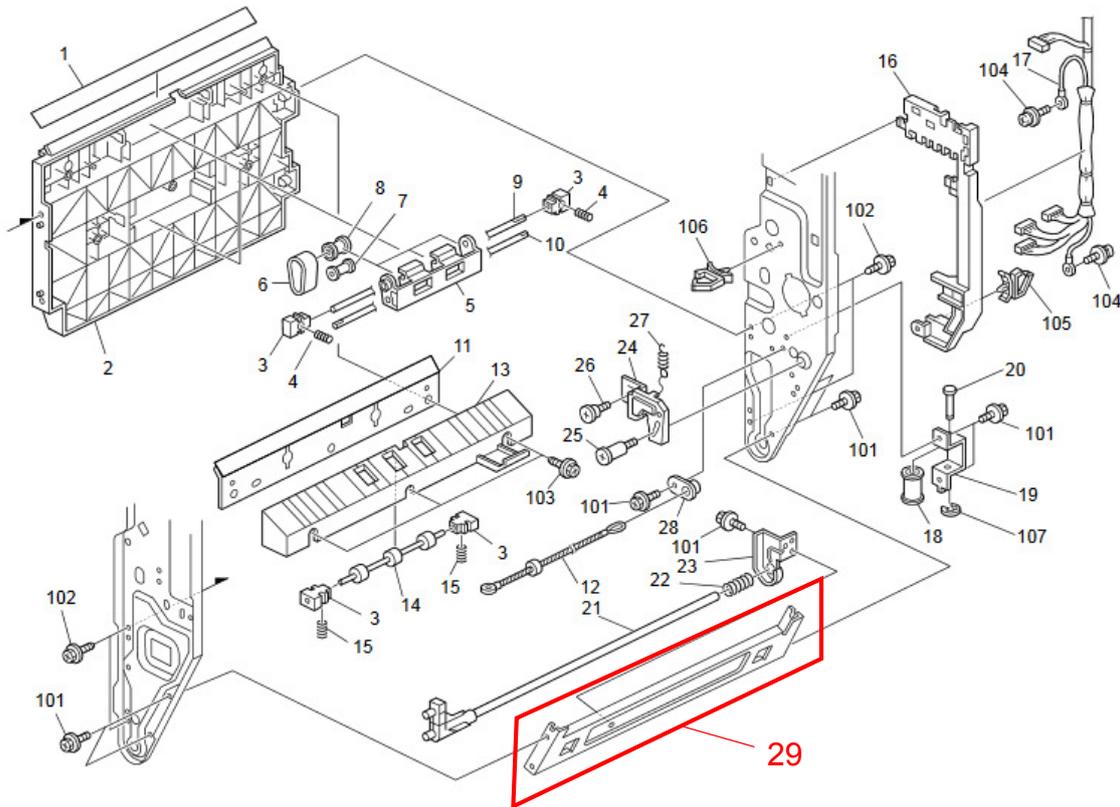
Name	Destination	Product Code	Serial #
Aficio MP 4002	Asia	D129-29	W524M140023~
Gestetner MP 4002			
Lanier MP 4002			
Aficio MP 4002	Taiwan	D129-19	W524M100001~
Gestetner MP 4002			
Aficio MP 4002	China	D129-21	W523MC10116~
Gestetner: DSm940		D129-25	W524M120001~
Aficio MP 4002SP	Asia	D129-69	W523MC50142~
Gestetner MP 4002SP			
Lanier MP 4002SP			
Aficio MP 4002SP	Taiwan	D129-59	W524M100010~
Gestetner MP 4002SP			
Aficio MP 4002SP	China	D129-61	W523MC30203~
Aficio MP 5002	Asia	D130-29	W534M140007~
Gestetner MP 5002			
Lanier MP 5002			
Aficio MP 5002	Taiwan	D130-19	W534M100001~
Gestetner MP 5002			
Aficio MP 5002	China	D130-21	W533MC10011~
Aficio MP 5002SP	Asia	D130-69	W534M150001~
Gestetner MP 5002SP			
Lanier MP 5002SP			
Aficio MP 5002SP	Taiwan	D130-59	W534M100002~
Gestetner MP 5002SP			
Aficio MP 5002SP	China	D130-61	W533MC70061~
Ricoh: Aficio MP 5002	NA	D130-91	W533MC22811~
Savin: MP 5002			
Lanier: MP 5002			
Ricoh: Aficio SP 8300DN	NA	M132-17	T424M110004~
Ricoh: Aficio SP 8300DN	EU/Asia	M132-27	T424M130006~
Lanier:SP 8300DN			

Model: AL-C1.5		Date: 11-May-16	No.: RD091037
Subject: Part Catalog correction -Duplex unit		Prepared by: Norito Yasuda	
From: 2st Tech Service Sec. MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input type="checkbox"/> Other ( )	<input type="checkbox"/> Tier 2

The following stay was added to the side plate of the Duplex Unit.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
	D0094528	STAY:SIDE PLATE:LOWER	1	-	87	29	-

### 37.Duplex Unit 5 (D009/D011/D012/D013/D091/D092)



86

D0094528  
STAY:SIDE PLATE:LOWER

Model: AL-P2	Date: 29-Jun -17	No.: RM132023
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Subject: Part information		Prepared by: Takuya Hirakawa	
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (        )		

Old part number	New part number	Description	Q'ty	Int	Note
-	<b>D0911361</b>	DUCT:RIGHT REAR SIDEWAYS:ALEX:ASS'Y	1		-
-	<b>D0911362</b>	DUCT:REAR:ALEX:ASS'Y	1		-

**Change:** Deodorizing filters were newly added as service parts for the AL-C1/AL-C1.5/AL-C2/AL-P1/AL-P2.

**Reason:** To meet the requests of customers who may report strange odors on these models.

**Note:**

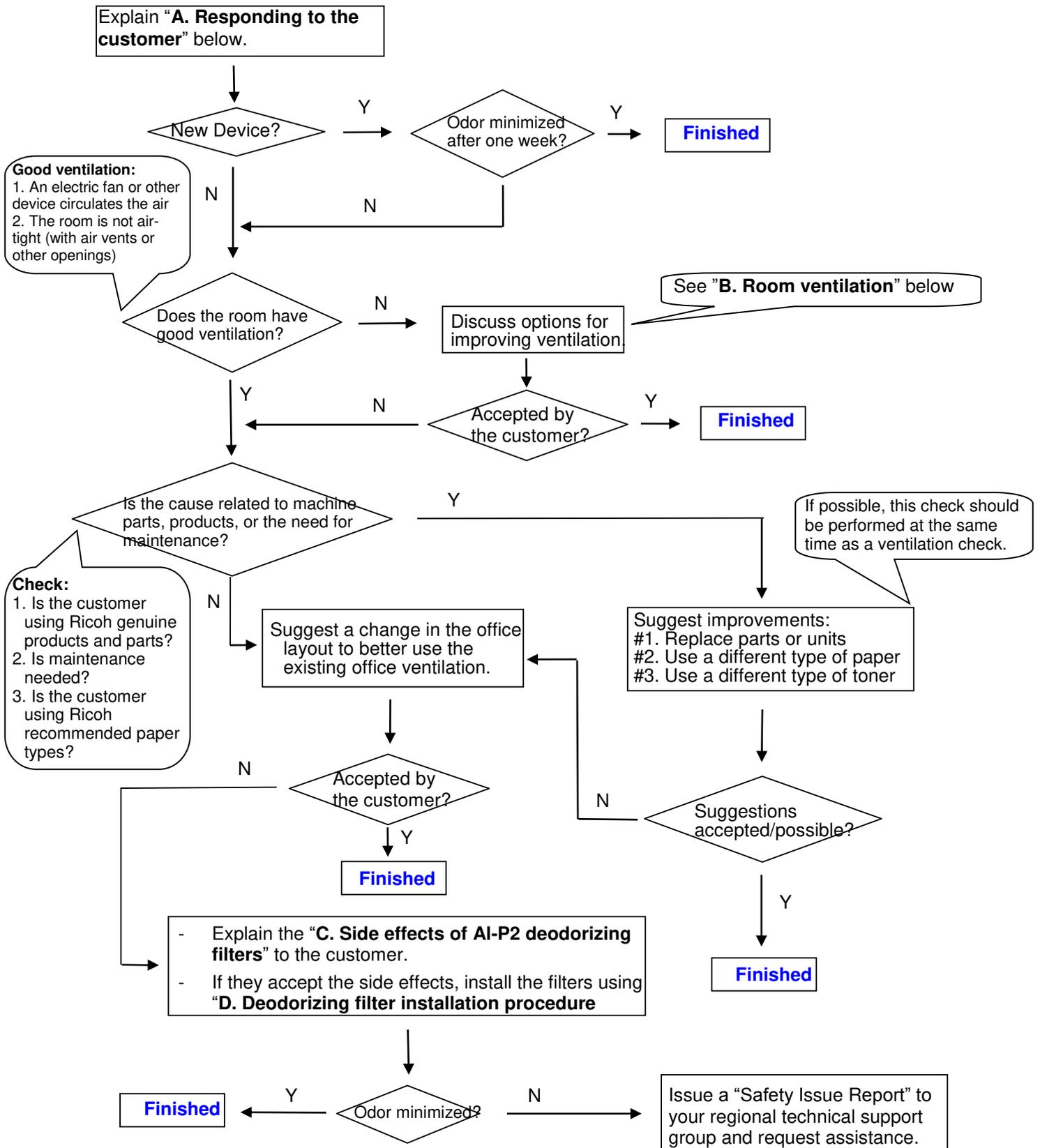
- In certain installation environments, some customers may have a relatively high sensitivity (low tolerance) to odors.
- The installation procedure and limitations of these filters are included below, as part of the **ACTION IN THE FIELD**.

**ACTION IN THE FIELD**

If a customer reports a strange odor on the machine, use the **flowchart below** to take the appropriate action.

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**Flowchart**



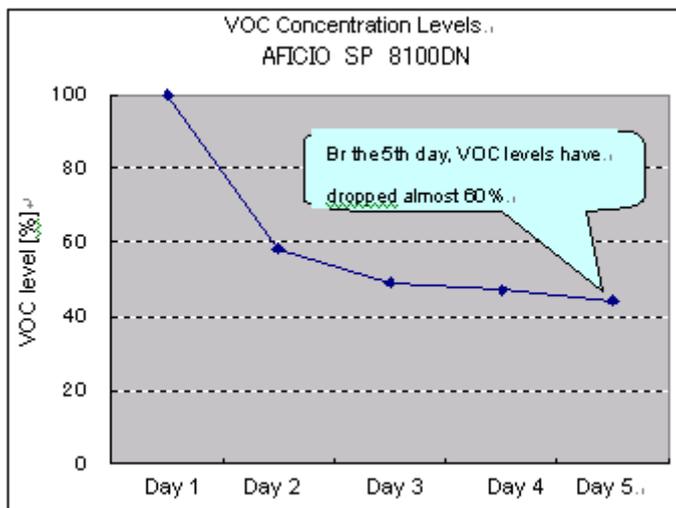
Model: AL-P2	Date: 29-Jun -17	No.: RM132023
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**Action referenced in the Flowchart above:**

**A. Responding to the Customer**

- The first step in handling an inquiry about Ricoh device odor is to explain the following to the customer:
  - Ricoh takes our customers' health and the health of our planet very seriously. This is highlighted by the fact that Ricoh products receive the German "Blue Angel" and Japanese "Eco Mark" certifications. This level of dedication is standard at Ricoh.
  - This means that a properly used and maintained Ricoh product should never be the source of problems in the office environment, including those related to employee health. However, keeping the device in a small, improperly ventilated space or sitting directly in the path of the exhaust fumes has been reported to cause unpleasant odors, head and throat pain, and general discomfort. Therefore, we strongly urge customers to make sure that their devices are placed in areas with proper ventilation, and that the exhaust is pointed safely away from anyone sitting nearby. Ideally, this should be done during initial installation, but working with existing customers to improve the quality of their office environment should be done whenever possible.
  - However, brand new devices have a particularly strong odor that might worry some customers. This odor is significantly reduced by the end of the **first week of use**, so please ask for the customer's patience. See Figure 1 below for an example using the Aficio SP 8100DN.
  - Volatile Organic Compounds (VOC) are particles of the component materials (glues, plastics, chemicals, etc.) that Ricoh devices are built with. VOC are the primary source of the odors produced by Ricoh devices, so tracking VOC levels produced by Ricoh devices is a good indicator of the strength of the odors. Figure 1 shows the VOC levels of a brand new Aficio SP 8100DN during the first 5 days of use. As the graph shows, the amount of VOC has dropped by almost 60%.

**Fig. 1**



\*1: Measurement was performed using a ppbRAE3000 from RAE Systems.

\*2: "VOC Level (%)" shows the VOC level on a given day as a percentage of the first day's level. Mathematically, this is expressed as [Level detected on a given day] / [First day's level]

- After the customer understands the above, work with the customer to ensure that there is enough ventilation and that the Ricoh devices are installed in a safe and proper manner.

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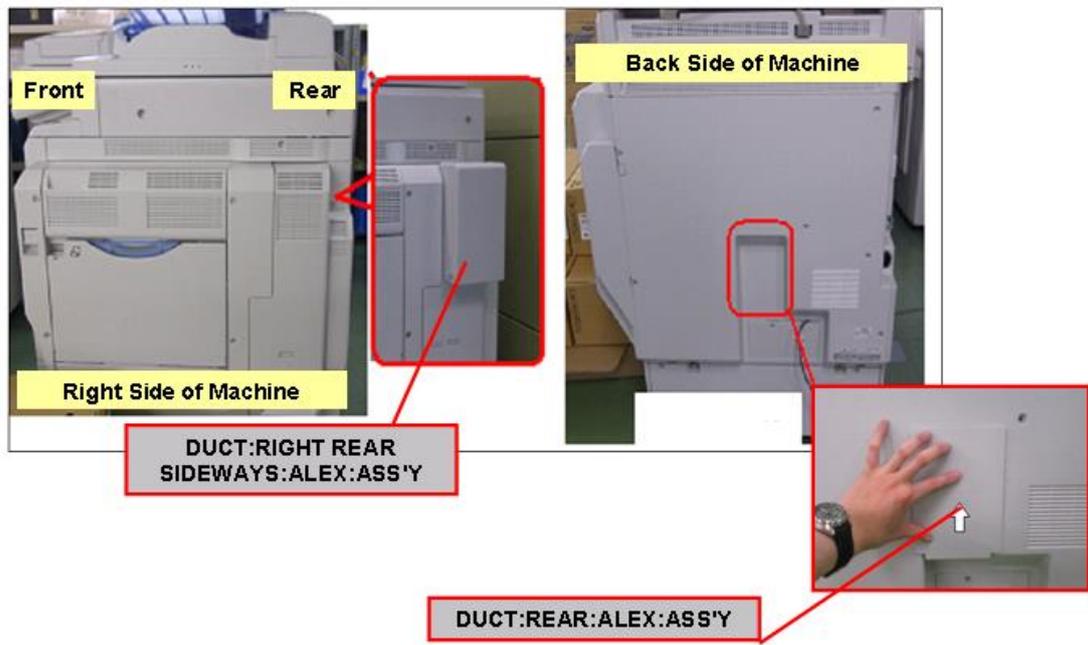
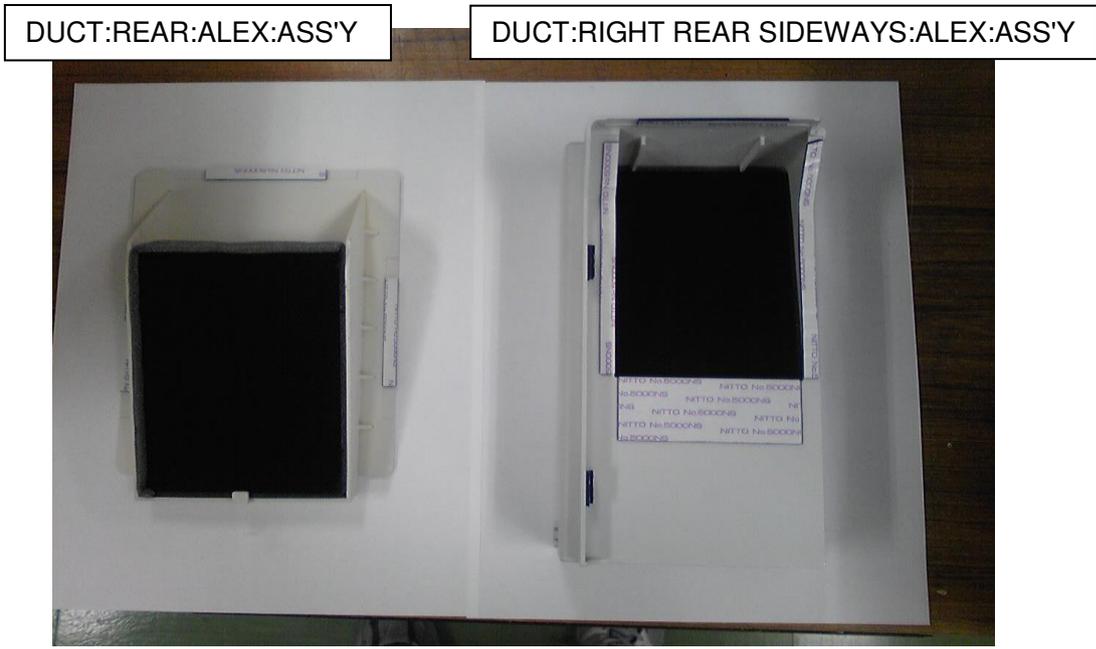
**B. Room ventilation**

While Ricoh devices are certified as safe, ventilation in some offices can allow even the safe levels of \*VOC produced by Ricoh devices to build to levels that produce strong odors and health effects. In such cases, it is necessary to improve the ventilation of the immediate environment in which the Ricoh device is installed, in order to reduce particle concentration levels.

\*VOC: Volatile Organic Compounds are particles of the component materials (glues, plastics, chemicals, etc.) that Ricoh devices are built with.

**C. Deodorizing filter installation procedure**

**Locations of rear filter and fusing exhaust filter:**



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**Attaching the rear filter:**

1. Clean the exterior cover around the rear exhaust area using a cloth.  
**Important:** Make sure to thoroughly clean the contact area for the double-sided tape.



2. Attach the rear deodorizing filter as shown in the photo below.



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**Attaching the fusing exhaust deodorizing filter:**

3. Clean the exterior cover around the fusing exhaust area using a cloth.  
**Important:** Make sure to thoroughly clean the contact area for the double-sided tape.



4. Attach the fusing exhaust deodorizing filter as shown in the photo below.



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**D. Limitations of the deodorizing filters**

The following limitations exist with these filters:

If the temperature of the installation environment is **29C (84.2F) or higher**:

- Continuous printing/copying should be limited to a maximum of 38 minutes
- The Auto Off Timer should be set to its default value (60 minutes)

This is because when the temperature is this high, the properties and behavior of the toner change, and image quality issues begin to occur.