

**Reissued: 18-Jan-17**

Model: OP-P2	Date: 11-Jun-14	No.: RM223001f
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**RTB Reissue**

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

Subject: Firmware Release Note: GDI		Prepared by: Y. Miyamoto	
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 **GDI SFP (SP 210, 211)**.

Version	Program No.	Effective Date	Availability of RFU
1.05	M2235053F	May 2016 production	Not available
1.04	M2235053E	November 2015 production	Not available
1.03	M2235053D	September 2015 production	Not available
1.02	M2235053C	July 2015 production	Not available
1.01	M2235053B	June 2015 production	Not available
1.00	M2235053A	1st Mass production	Not available

**Note: Definition of Availability of RFU via @Remote**
**"Available": The firmware can be updated via RFU or SD card.**
**"Not available": The firmware can only be updated via SD card.**

Version	Modified Points or Symptom Corrected
1.05	Symptom corrected: - Replacing the thermistor in the fusing unit causes a false <b><i>SC556</i></b> SC566 detection.
1.04	Engine FW modified for preventing the dark image which caused by data glitch.
1.03	Specification change: Minor changes for meeting new energy efficiency standards.
1.02	Bug fixed: - The yield of the starter toner cartridge is set to 1.0k (incorrect) instead of 0.7k (correct). - The yield of the "low yield" toner cartridge is set to 3.0k (incorrect) instead of 1.5k (correct).
1.01	Symptom corrected: 1. Cannot print with 1200 x 600 dpi resolution.  <Important Notice> From this firmware (V.1.01), please use firmware update tool V.1.01 attached in the downloaded firmware package.
1.00	1st Mass production

**Reissued: 18-Jan-17**

Model: OP-P2	Date: 11-Jun-14	No.: RM223002d
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**RTB Reissue**

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

Subject: Firmware Release Note: PCL		Prepared by: Y. Miyamoto	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for **PCL SFP (SP 212Nw, 213Nw, 212w, 213w)**.

Version	Program No.	Effective Date	Availability of RFU
1.05	M2135053D	May 2016 production	Not available
1.04	M2135053C	November 2015 production	Not available
1.03	M2135053B	July 2015 production	Not available
1.00	M2135053A	1st Mass production	Not available

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

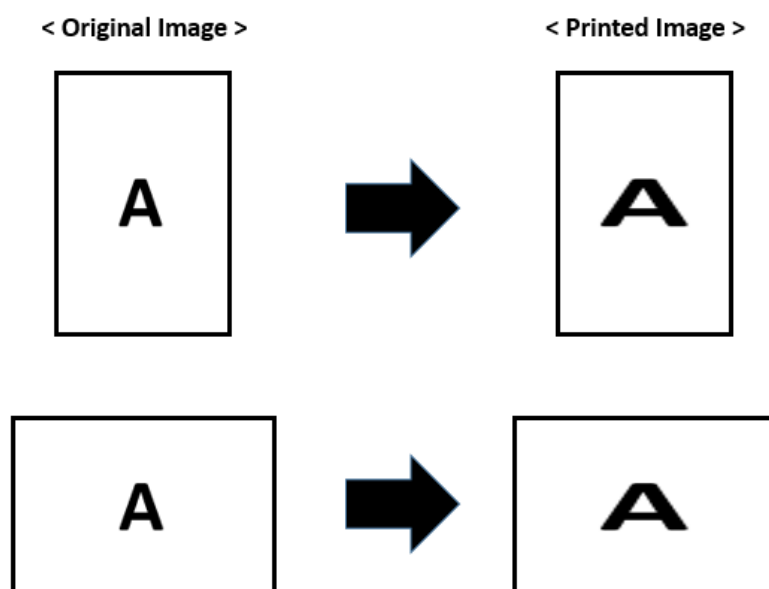
**"Not available":** The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
1.05	Symptom corrected: - Replacing the thermistor in the fusing unit causes a false <b><i>SC556</i></b> SC566 detection.
1.04	Engine FW modified for preventing the dark image which caused by data glitch.
1.03	Bug fixed: - The yield of the starter toner cartridge is set to 1.0k (incorrect) instead of 0.7k (correct). - The yield of the "low yield" toner cartridge is set to 3.0k (incorrect) instead of 1.5k (correct).
1.00	1st Mass production

Model: OP-P2/MF2		Date: 15-Jun-15	No.: RM223001
Subject: Stretched image when printing with 1200 x 600 dpi resolution setting		Prepared by: K.Nakano	
From: Field Quality Management Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

## SYMPTOM

The image is stretched along the main scan direction when printing at 1200 x 600 dpi.



## CAUSE

The firmware has not been updated along with the driver (which is required in order to enable 1200x600dpi printing).

## SOLUTION

Update the firmware to **V.1.01 or later**.

**Reissued: 18-Jan-17**

Model: <b>OP-P2(TWN)</b>	Date: 10-Jul-15	No.: RM223006c
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**RTB Reissue**

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: PCL		Prepared by: Y. Miyamoto	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for **PCL SFP (SP 213Nw) Traditional Chinese model**.

Version	Program No.	Effective Date	Availability of RFU
1.03	M2135054C	May 2016 production	Not available
1.02	M2135054B	November 2015 production	Not available
1.01	M2135054A	July 2015 production	Not available
1.00	M2135054	1st Mass production	Not available

**Note: Definition of Availability of RFU via @Remote**
**"Available": The firmware can be updated via RFU or SD card.**
**"Not available": The firmware can only be updated via SD card.**

Version	Modified Points or Symptom Corrected
1.03	Symptom corrected: - Replacing the thermistor in the fusing unit causes a false <b>SC556</b> SC566 detection.
1.02	Engine FW modified for preventing the dark image which caused by data glitch.
1.01	Bug fixed: - The yield of the starter toner cartridge is set to 1.0k (incorrect) instead of 0.7k (correct). - The yield of the "low yield" toner cartridge is set to 3.0k (incorrect) instead of 1.5k (correct).
1.00	1st Mass production

Model: <b>Opal-P2 e China Only</b>		Date: 4-Mar-16	No.: RM223009
Subject: New model of Opal-P2 (SP 210 e) in China		Prepared by: T. Sakakibara	
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

A new model Opal-P2 SP 210 e was launched in China. It's functionally the same as SP 210, but has advanced energy conservation capability to meet China Energy Label Lv.2.

Different parts between SP 210 and SP 210 e

	<b>Opal-P2</b>	<b>Opal-P2 e</b>
Model code	M22321	M22322
Product name	SP 210	SP 210 e
S/N	X35YAM00001	
<b>PSU</b>	M2135311	<b>M2235311</b>
<b>PCB: Main board</b>	M2235050	<b>M2235058</b>
Firmware	M2235053	M2235057
Front cover	M2231321	M2231322

Note:

1. Other parts are as same as SP 210. Please refer to the parts catalog.
2. The parts replacement procedures are as same as SP 210. Please refer to the Field Service Manual.

**Reissued: 18-Jan-17**

Model: OP-P2/OP-P2.5	Date: 16-May-16	No.: RM223010a
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**RTB Reissue**

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: GDI		Prepared by: Y. Miyamoto	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for **GDI SFP (SP 210, 210Q, 211)**.

Version	Program No.	Effective Date	Availability of RFU
1.01	M2235057A	May 2016 production	Not available
1.00	M2235057	January 2016 production	Not available

**Note: Definition of Availability of RFU via @Remote**
**"Available": The firmware can be updated via RFU or SD card.**
**"Not available": The firmware can only be updated via SD card.**

Version	Modified Points or Symptom Corrected
1.01	Symptom corrected: - Replacing the thermistor in the fusing unit causes a false <b>SC556 SC566</b> detection.
1.00	Symptom corrected: Change in spec of the PSU output level during sleep mode from 24V to 11V caused the following problem: - "Cover open" message appears even if the cover is closed when AC power is turned ON.

Reissued: 18-Jan-17

Model: OP-P2	Date: 18-Jan-17	No.: RM223011a
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## RTB Reissue

**This RTB supersedes RTB RM223011.**

Subject: FSM Correction: Replacing the Main Board		Prepared by: Y.Miyamoto	
From: 1nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

## Service Manual Revision

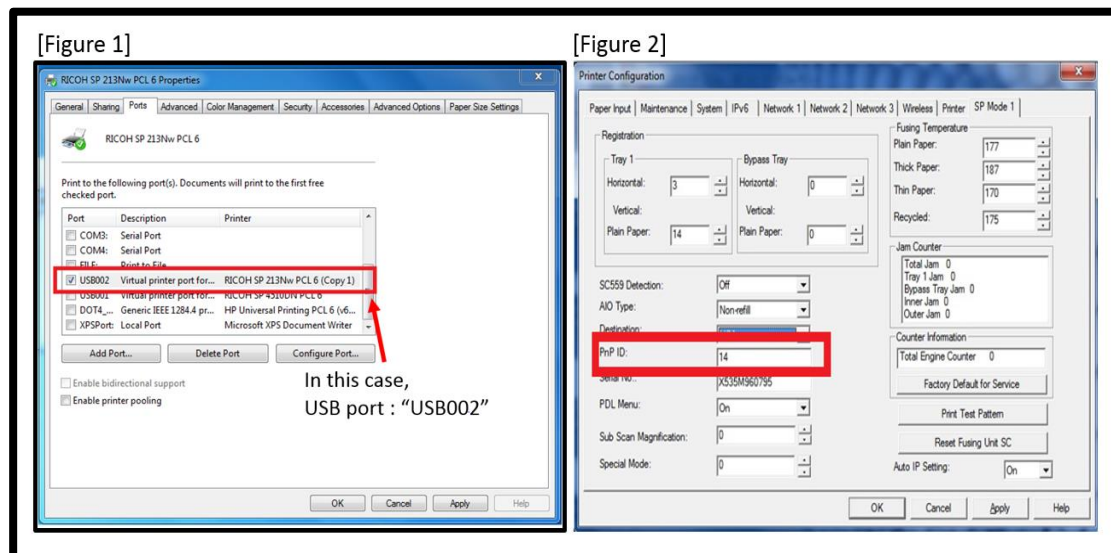
Procedure for replacing the Main Board was corrected.

4. Replacement and Adjustments > Boards > After Replacing the Main Board

## Preparation

The following preparation is needed before replacing the main board.

- Install the printer driver and SOM.
- Create a USB port for the printer. (Figure 1 below)
- Verify the PnP ID of the printer. (Figure 2 below)



## Replacing the Main Board

1. Turn OFF the device and replace the main board with a new one.
2. Turn ON the device.
3. Connect SOM to the device with a USB cable.
4. Verify that the port is identical to that created in the preparation step (Figure 1 above). If not, correct the port.
5. Type in the PnP ID verified in the preparation step (Figure 2 above).
6. Reboot.