# Technical Bulletin

Reissued: 08-Jul-16 Model: Reveil-MF1

Date: 25-May-16

No.: RM291001b

#### **RTB Reissue**

The items in <b>bo</b>	Id italics have been corre	ected or added.	
Subject: Firmware Release Note: Main			Prepared by: Y. Miyamoto
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	Troubleshooting	Part information	Action required
	🗌 Mechanical	Electrical	Service manual revision
	Paper path	Transmit/receive	Retrofit information
	Product Safety	Other (Firmware)	🛛 Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
01.03.00	M2915090E	August 2016 production	Not available
01.02.00	M2915090D	May 2016 production	Not available
01.01.00	M2915090C	May 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
01.03.00	System corrected:
	<ul> <li>Dot coverage counter information was added to the system configuration page.</li> </ul>
01.02.00	<ul> <li>Symptom corrected:</li> <li>If the power cord is unplugged and re-plugged after printing, the succeeding job printed is incorrect.</li> </ul>
01.01.00	Error corrected: - SC497 is not alerted even when the thermistor is not working.

## Technical Bulletin

Reissued: 25-Jul-16

Model: Reveil-P1/ Reveil-MF1

Date: 25-May-16

No.: RM290002a

#### **RTB Reissue**

The items in <b>bo</b>	<i>Id italics</i> have been corre	ected or added.	
Subject: Firmware Release Note: CE TOOL			Prepared by: Y. Miyamoto
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	Troubleshooting	Part information	Action required
	🗌 Mechanical	Electrical	Service manual revision
	Paper path	Transmit/receive	Retrofit information
	Product Safety	Other (Firmware)	🛛 Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.011	M2905500A	July 2016 prodcution	Not available
1.005	M2905500	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
1.011	Specification changes: - "SC Error History" and "Jam History" were added to the Adjust Other Settings menu.
1.005	This is a CE tool exclusive for Rev-MF1/P1. See FSM for detail on how to use this tool.

## Technical Bulletin

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Model: Reveil-MF1w

Date: 06-Jul-16

No.: RM291002

Subject: Firmware Release Note: Main			Prepared by: Y. Miyamoto
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	Troubleshooting	Part information	Action required
	🗌 Mechanical	Electrical	Service manual revision
	Paper path	Transmit/receive	Retrofit information
	Product Safety	Other (Firmware)	🖂 Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
01.01.00	M0AE5090C	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
01.01.00	1st Mass production

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Model: Rev-P1/MF1 Date: 29-No		v-16	No.: RM291003		
Subject: New "Dot coverage" function			Prepared	by: Y. Miyamoto	
From: 1nd Tech	Service Sect., MFP/Printer Tech	Service D	ept.		
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	Part inf Electric Transn Other (	formation cal nit/receive New model)	Action	n required ce manual revision ofit information 2

#### The new Dot Coverage function

The "Dot coverage" function was newly added, to allow service to verify the dot coverage ratio of the jobs printed in number of pages.

The information can be viewed in System Settings.

#### How to verify the information

The dot coverage ratio is categorized in seven ranges as shown below. The number of pages printed according to each range is represented with eight digit numbers.

System Settings			
System Reference Roos Traine Decisio (Colini) Remory Casesty Trimoles Vector	39 this List/Matters Cases 20 Tr III		
Ninima Tatanti Winima Tatanti Wifi Bata	Tage	Number of pages	Dot coverage ratio range
Rapis information Rapin Tanan Box Tanan Talana Tanan Inalaharan Caure	9 875 1	1 <sup>st</sup> eight digits	Pages with 0~3% dot coverage ratio.
PCL Running Time Suprem Settings Found Same Vinesual You Other Adulat	10 June	2 <sup>nd</sup> eight digits	Pages with 3~5% dot coverage ratio.
Site-to-Site Adjust Happ Density Las humaity Mole Para Cartest Rube	8 8 89 89	3 <sup>rd</sup> eight digits	Pages with 5~8% dot coverage ratio.
Paper Warked Paper Warked Total Poetson P	14	4 <sup>th</sup> eight digits	Pages with 8~10% dot coverage ratio.
Position 2 Position 2	R	5 <sup>th</sup> eight digits	Pages with 10~20% dot coverage ratio.
Counter Print Tolar Printan	807 805	6 <sup>th</sup> eight digits	Pages with 20~30% dot coverage ratio.
he cou	nter of Dot	7 <sup>th</sup> eight digits	Pages with 30% or more dot coverage ratio.

See the example on the next page.

Model: Rev-P1/MF1

Date: 29-Nov-16

#### Example

27 19 68 12 46 19 20				
Number of pages	Dot coverage ratio range			
1 <sup>st</sup> eight digits	27 pages with 0~3% dot coverage ratio.			
2 <sup>nd</sup> eight digits	19 pages with 3~5% dot coverage ratio.			
3 <sup>rd</sup> eight digits	68 pages with 5~8% dot coverage ratio.			
4 <sup>th</sup> eight digits	12 pages with 8~10% dot coverage ratio.			
5 <sup>th</sup> eight digits	46 pages with 10~20% dot coverage ratio.			
6 <sup>th</sup> eight digits	19 pages with 20~30% dot coverage ratio.			
7 <sup>th</sup> eight digits	20 pages with 30% or more dot coverage ratio.			

- **Note:** 1st~7th indicates the order from Left to Right of the eight digit numbers for each dot coverage ratio range.
- **Note:** The example shown above shows only two digits for each range, but in the actual System Settings, there will be eight digits displayed for each range.

(8 digits x 7 ranges = 56 digits in total)

# Technical Bulletin

Model: Rev-MF1			Date: 23-Mar-18		No.: RM291004
Subject: FSM correction – The replacement procedure for scanner unit -					l by: A. Shigeta
From: Tech. Support Sec., Product Marketing Dept.					
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>Part inf</li> <li>Electric</li> <li>Transn</li> <li>Other (</li> </ul>	ormation cal nit/receive New model)	Action     Action     Servi     Retro     Tier 2	n required ce manual revision fit information 2

The procedure for replacing to a new scanner unit was revised. Before replacement, you have to obtain the PC software "48L3\_ABC\_Maintain" with the link below to conduct the CIS calibration.

ftp://10.62.17.218/data/Release\_docs/15A/Model\_ReveilP1MF1/apli

#### 

- After installing a new scanner unit, the software adjustment is required since this machine has no scanner home position.
- Using the software in the link above, the machine can detect the home position with a certain algorithm.
- If this adjustment is not fully conducted, SC1001 may occur in a case that a home position of a new scanner unit is quite different from the old one.
- The CE Tool for this model cannot conduct the home position adjustment.

#### **Service Manual Revision**

Following 2 sections are revised.

#### 3. Replacement and Adjustment > Scanner > Scanner Unit

• See page 2 to 4 on this document.

#### 5. Troubleshooting > Service Calls > SC Tables > SC10xx: Others

• See page 5 on this document.

Model: Rev-MF1

RICOH

Date: 23-Mar-18

No.: RM291004

#### 3. Replacement and Adjustment > Scanner > Scanner Unit

### Scanner Unit

- 1. Remove the AIO.
- 2. Remove the bottom cover.
- 3. Remove the main board.
- 4. Release the guides of the paper feed tray [A].



5. Remove the paper feed guide [A].



•Note

- $\cdot$  To remove the paper feed guide [A], release the right linkage first.
- 6. Remove the rear cover from the right-hand side [A].



0000z0525

- 7. Open the scanner unit [A] and remove the guide rail [B]. (x1)
- 8. Remove the scanner unit [A].



0000z0527

9. Remove the laser unit from the scanner unit [A]. (x4)

#### Vote

• After installing to a new scanner unit, following adjustment with the PC software "48L3\_ABC\_Maintain" is required.

- 1. Connect the machine to your PC via the USB cable.
- 2. Open the file:48L3\_ABC\_Maintain then double-click the file: PicoFCT.
- LinkCL200.dll
   Liteon.SearchSSID.dll
   MathParser.dll
   PicoControl.exe
   PicoFCT.exe
   PicoFCT\_Initial.ini
   PicoFCT\_Result.ini
   PicoFCT UI.ini

3. Adjustment tool will open (You can see the following screen).

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Model: Rev-MF1		Date: 23-Mar-18 No.: RM	1291004				
Trouble Shooting Test Utility, Version 3.0.3							
		Model Trouble_Shooting_V1.0					
			Start Stop File				
No Test Item	Name	Value					
T1 Clear Scanner Home Sensor Position	Model Name	Trouble_Sh	点击"START",初期化开始				
	INI Version	1.0					
清除之前光堂单元的初始位罢	Oracle	9 Disable					
	SFC	Disable					
	Total Time	0					
			初期化进度条				
				l.			

4. Turn ON the machine.

5. Press the Start button on the tool (Adjustment of scanner home position sensor will automatically start).

6. If succeeded in the adjustment, following message will be displayed.

Success !!!					
The action is done Successfully III 经甲成功 III					
The action is done Successfully !!! 纪朱成功 !!!					
V OK					
• •					

- 7. Close the tool.
- 8. Turn OFF/ON the machine.

If failed to the adjustment, following message will be displayed. In that case, turn OFF the machine and go back to the adjustment step 1.



Model: Rev-MF1

**RICOH** 

Date: 23-Mar-18

### 5. Troubleshooting > Service Calls > SC Tables > SC10xx: Others

SC10xx: Others

Code	Level	Details		
1001	D	Scan Motor Error		
		Scanner calibration failed (scanner cannot find the home position).		
		<ul> <li>Cycle the power OFF/ON.</li> <li>Check the connection.</li> <li>Replace the scanner unit.</li> <li>Scanner home position adjustment using the software in a link below.</li> <li><u>ftp://10.62.17.218/data/Release_docs/15A/Model_ReveilP1MF1/apli</u></li> </ul>		