

**Reissued: 24-Jan-08**

Model: T-MF1a		Date: 21-Jan-08	No.: RJ012001b
Subject: Firmware Release History		Prepared by: Gimpei Hirao	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for the engine for T-MF1a.

Version	Program No.	Effective Date
<b>1.08</b>	<b>J0125619C</b>	<b>December 2007 production</b>
1.05.1	J0125619B	1st mass production (Nov. 2007)

Version	Symptom Corrected
<b>1.08</b>	<b>Symptom corrected:</b> <ol style="list-style-type: none"> <li><b><i>The printer does not begin a new print job after a new ink cartridge is inserted.</i></b></li> <li><b><i>A misfeed sometimes occurs during print head cleaning.</i></b></li> <li><b><i>The cleaning wiper sometimes scratches the head cover if a carriage jam occurs during head cleaning.</i></b></li> <li><b><i>If an error occurs during head protection, the printer repeatedly performs head protection in an endless loop.</i></b></li> </ol>
1.05.1	1st mass production

**Reissued: 21-Jan-08**

Model: T-MF1b	Date: 12-Sep-07	No.: RJ012002a
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Gimpai Hirao	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for the engine for T-MF1b.

Version	Program No.	Effective Date
<b><i>1.08</i></b>	<b><i>J0135619C</i></b>	<b><i>1st mass production (Dec. 2007)</i></b>

Version	Symptom Corrected
<b><i>1.08</i></b>	<b><i>1st mass production</i></b>

**Reissued: 21-Jan-08**

Model: T-MF1bN	Date: 12-Sep-07	No.: RJ012003a
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Gimpei Hirao	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for the engine for T-MFbN.

Version	Program No.	Effective Date
<b><i>1.09</i></b>	<b><i>J0145619D</i></b>	<b><i>1st mass production (Dec. 2007)</i></b>

Version	Symptom Corrected
<b><i>1.09</i></b>	<b><i>1st mass production</i></b>

Model: T-MF1 / T-MF1b / T-MF1bn		Date: 21-Sep-07	No.: RJ012004
Subject: "Scanner Unit Open / Close Scanner Unit"		Prepared by: G.Hirao	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

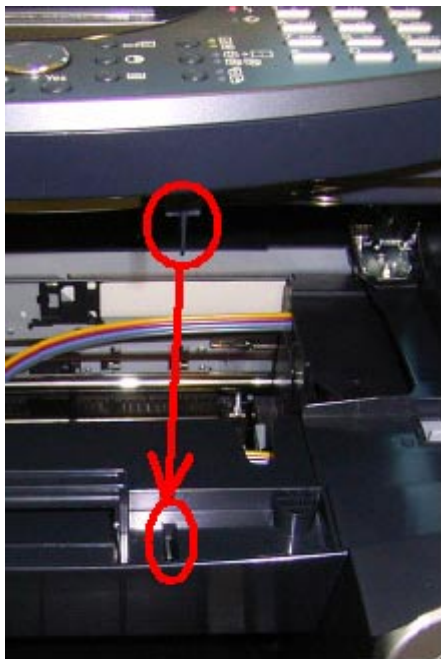
## Symptom

"\*Warning\* Scanner Unit Open / Close Scanner Unit" is displayed, even if the scanner unit is closed.

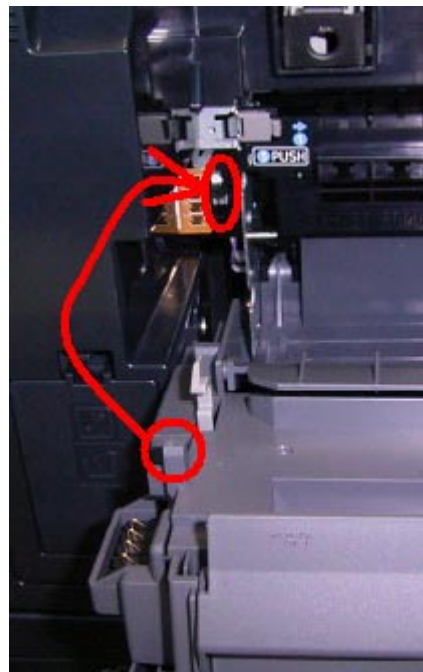
## Cause

The scanner unit was not closed correctly or the duplex unit was not attached correctly.

**Note:** The interlock switches for the duplex unit and scanner unit are on the same circuit. So this can also happen if the duplex unit was not closed correctly.



Front : Scanner unit



Back : Duplex unit

## Solution

At first, make sure that the scanner unit has been closed correctly. Reattach the duplex unit correctly and set both side levers to the lock position.

Model: T-MF1 / T-MF1b / T-MF1bn		Date: 12-Oct-07	No.: RJ012005
Subject: Service Manual Revision		Prepared by: G. Hirao	
From: 1st Tech. Support Sec. Service Support 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 changes were made to the Service Manual (Paper Feed Jams, pg. 171)

● **Correct** the following items in the table.

- “Jam 13” → “**Jam 14**”
- “Paper Misfeed: Upper Cover” → “**Ppr Misfd: Scan.Unit**”

<del>Jam 13</del>	Carriage Jam
Message:	<del>Paper Misfeed: Upper Cover</del>
Jam	The carriage was prevented from reaching its target position within the prescribed time.
Cause:	<ul style="list-style-type: none"> <li>• A piece of paper or other object is obstructing the movement of the carriage.</li> <li>• A piece of paper or other object is obstructing the paper path.</li> <li>• The horizontal film encoder is dirty, slack, buckled, or damaged.</li> <li>• Horizontal feed motor belt is loose or broken.</li> </ul>

● **Correct** the following items in the table.

- “Jam 14” → “**Jam 15**”

<del>Jam 14</del>	Abnormal Paper Transport Sequence
Message:	Paper Misfeed: Inverter Guide Plate
Jam	The registration sensors detected the paper before the PFU relay sensor signaled detection of the leading edge.

Model: T-G1s/T-G1W/T-MF1		Date: 3-Dec-07	No.: RJ012006
Subject: SC 979		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input 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 (      )	

**SYMPTOM**

SC979 occurs while SP5007 (washing) is being performed.

**CAUSE**

In both cases below, the machine judges that there might be air bubbles in the ink supply path. If washing is then performed, the machine triggers SC979 in order to prevent any mechanical failures or image problems.

1. The interval between the most recent print job and the previous print job is one month or more. This is true even if the machine power has been ON the entire time.
2. The machine has detected the Ink End condition mechanically (the amount of ink in the head tank does not increase when the ink pump is rotating).

**SOLUTION**

If SC979 occurs, leave the machine alone for 24 hours with the main power ON.

Model: T-MF1 / T-MF1b / T-MF1bn		Date: 10-Jan-08	No.: RJ012007
Subject: Service Manual Revision		Prepared by: G. Hirao	
From: 1st Tech. Support Sec. Service Support 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 (      )		

**Please correct your Service Manuals as follows.**

Ink Collector Unit yield, page.347

● **Incorrect**

— Ink Collector Unit yield — “At least 55K sheets”

	Standard	Black (K)	1,500 sheets
		Color (Y, M, C)	1,000 sheets
Ink Collector Unit	<del>At least 55 K sheets</del>		
Estimated Service Life	3 Years (average), 5 Years (maximum) <ul style="list-style-type: none"> <li>• Duty: 150 K</li> <li>• Monthly print volume: 10 K sheets</li> </ul>		

● **Correct**

	Page / Job	Expected Replacement Period	Yield of Ink Collector Unit
Ink Collector Unit	1 P/J	22.1 months	16.6K prints
	2 P/J	23.1 months	17.3K prints
	3 P/J	23.3 months	17.5K prints
	24 P/J	24.0 months	18.0K prints

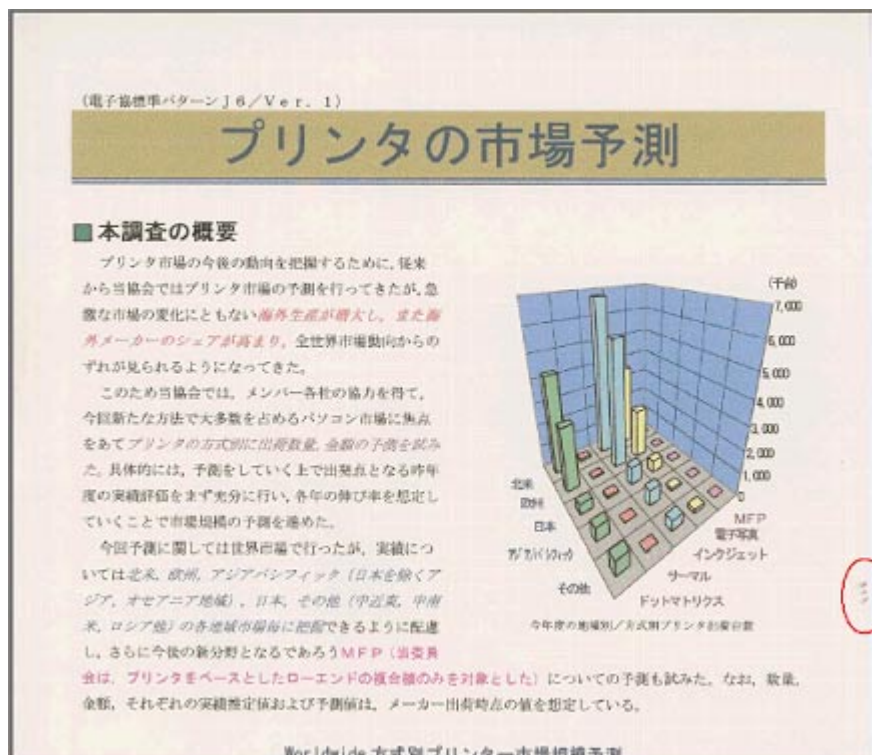
\*Conditions: 5% A4 chart, **APV 750 sheets**

**Note:** Although the Ink Collector Unit was provided as a service part on the predecessor model, for these models, it will be provided as a consumable (supply product).

Model: T-MF1		Date: 15-May-08	No.: RJ012008
Subject: "Nozzle cover and plate cleaning"		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Symptom

- One or more of the print nozzles gets clogged.
- The carriage scratches the edge of the paper or paper stack.



Edge of the paper is scratched



Edge of the paper stack is scratched

Model: T-MF1

Date: 15-May-08

No.: RJ012008

**Cause**

Paper dust or ink builds up on the nozzle cover and then scratches the paper/stack.

**Solution**

Clean the nozzle cover and nozzle plate.

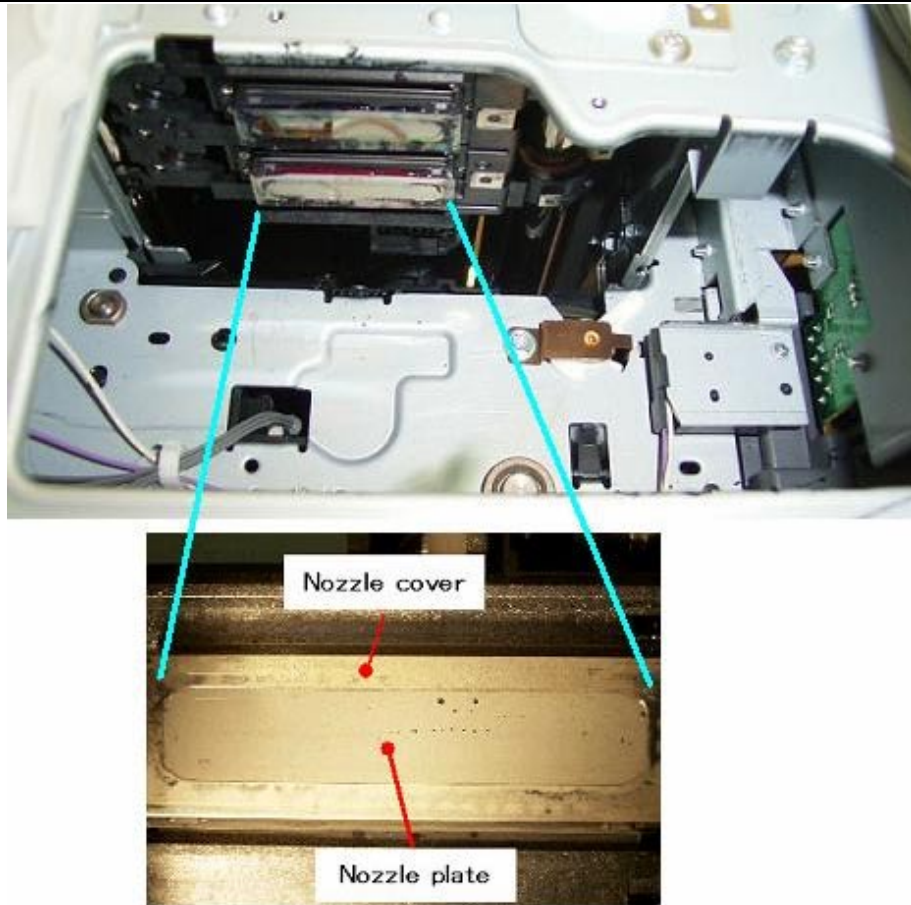
**Procedure:**

1. Turn off the machine main power.
2. Remove the maintenance unit.

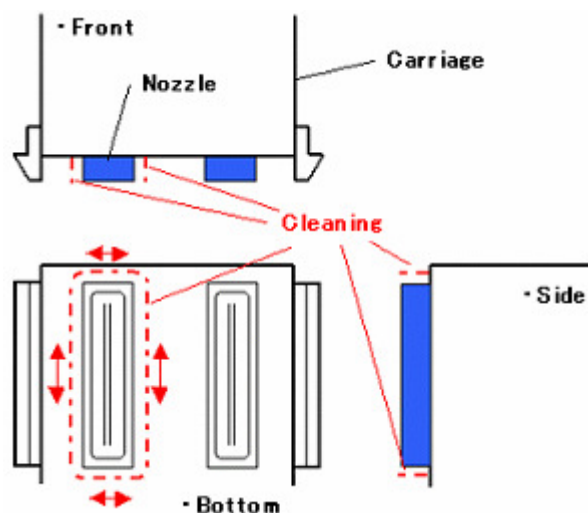
**Note:** For the procedure, see the Toscana-P1 Service Manual (pg. 64), Toscana-C1 Service Manual (pg. 94), or Toscana-P1 s/W Service Manual (pg. 99).

3. Return the carriage to its home position.

**Note:** You will then see the nozzle cover and nozzle plate.



4. Clean each side of the nozzle twice with a slightly damp cloth.  
**Important:** Move the cloth back and forth along the surface.

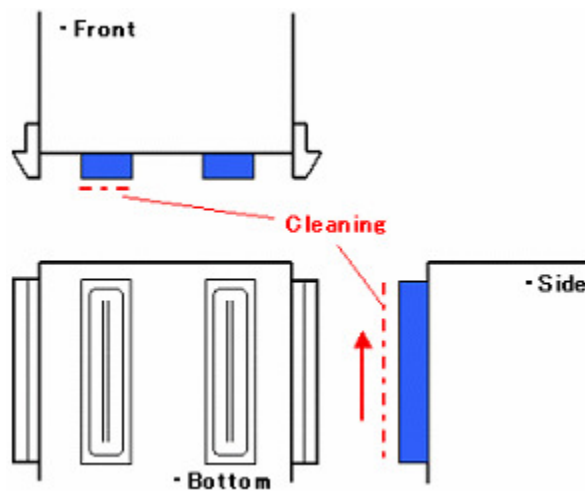


5. Wipe another damp cloth **once** along the surface of the nozzle plate.  
**Important:** Do not wipe the cloth back and forth.

Model: T-MF1

Date: 15-May-08

No.: RJ012008



6. Reattach the maintenance unit.
7. Turn on the machine main power.
8. Do Head Flushing, and then print out the "Nozzle Check".
9. If the Nozzle Check shows any problems, do the Head Cleaning three times. If this does not solve the symptom, do Head Flushing once.

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1a.  
Firmware (Printer, Master Controller, NIC) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.17</i></b>	<b><i>J0125619F</i></b>	<b><i>June 2008 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.15</i></b>	<b><i>J0125615J</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.59c</i></b>	<b><i>J0125613G</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.68</i></b>	<b><i>J0145614C</i></b>	
Package	1.11	J0125619C	1st mass production (Dec. 2007)
1. Printer	1.08	J0125615F	Not released on WEB or RISSN server.
2. Master Controller	1.07e	J0125613F	
3. Ethernet Board	1.00	J0145614	

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009
Version	Symptom Corrected		
1.17	<p><b>Specification changed:</b></p> <ol style="list-style-type: none"> <li>1. <i>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</i></li> <li>2. <i>Improved the wording for the error message displayed when the duplex unit is not locked in place.</i></li> <li>3. <i>Improved the wording for the error message displayed when a paper jam occurs.</i></li> <li>4. <i>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</i></li> <li>5. <i>Improved the wording for the message displayed when the ink cartridge is replaced.</i></li> <li>6. <i>Supports the following display languages:</i> <ul style="list-style-type: none"> <li>- <i>Machine display: Finnish, Czech, Hungarian, Polish</i></li> <li>- <i>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</i></li> </ul> </li> <li>7. <i>The default display language for WIM will match whatever display language has been set for the machine operation panel.</i></li> <li>8. <i>The following SCs were added:</i> <ul style="list-style-type: none"> <li>- <i>SC976 (Printer head error at arrival).</i></li> <li>- <i>SC977 (Printer head error occurs at running).</i></li> </ul> </li> <li>9. <i>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</i></li> </ol> <p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>1. <i>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</i></li> <li>2. <i>Incorrect wording on the machine display when the display language is changed from English to another language.</i></li> <li>3. <i>Incorrect wording in an ink cartridge-related display message (French only).</i></li> <li>4. <i>Part of the email notification sent when the ink waste tank is full was incorrect.</i></li> <li>5. <i>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</i></li> </ol>		
1.11	1st mass production		

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1b.  
Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.17</i></b>	<b><i>J0135619F</i></b>	<b><i>June 2008 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.15</i></b>	<b><i>J0125615</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.59c</i></b>	<b><i>J0135613J</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.68</i></b>	<b><i>J0145614C</i></b>	
Package	1.11	J0135619C	1st mass production (Dec. 2007)
1. Printer	1.08	J0125615J	Not released on WEB or RISSN server.
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010
Version	Symptom Corrected		
1.17	<p><b>Specification changed:</b></p> <ol style="list-style-type: none"> <li><b>Supports fax forwarding:</b> <ul style="list-style-type: none"> <li>Fax transmission/reception documents stored in machine memory can be forwarded to specified fax numbers. Even when the machine is inoperable due to some error or other issue, all fax documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with fax communication/displays.</li> </ol>		
1.11	1st mass production		

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1bN.  
Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.17</i></b>	<b><i>J0145619G</i></b>	<b><i>June 2008 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.16</i></b>	<b><i>J0145615K</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.59c</i></b>	<b><i>J0135613J</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.68</i></b>	<b><i>J0145614C</i></b>	
Package	1.11	J0145619D	1st mass production (Dec. 2007)
1. Printer	1.09	J0145615F	Not released on WEB or RISSN server.
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011
Version	Symptom Corrected		
1.17	<p><b>Specification changed:</b></p> <ol style="list-style-type: none"> <li><b>Supports Fax Forwarding:</b> <ul style="list-style-type: none"> <li>Fax transmission/reception documents stored in machine memory can be forwarded to specified Fax numbers. Even when the machine is inoperable due to some error or other issue, all Fax documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with fax communication/displays.</li> <li>Too much ink is ejected when printing from a PCL6 driver (B/W only).</li> <li>System error 0002 sometimes occurs when printing out from a PCL6 driver.</li> </ol>		
1.11	1st mass production		

**Reissued: 15-Jul-08**

Model: T-MF1a		Date: 12-Sep-07	No.: RJ012001c
Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

**RTB Cancellation**

Please ignore **RTB RJ012001**. The correct contents have been reissued in **RTB RJ012009**.

**Reason:** The above RTB contained only the release note for T-MF1a Printer firmware. However, the firmware for this model must be released as a package of the Printer, Master Controller, and Ethernet Board firmware.

**Note:** The Printer firmware was deleted from the firmware download center and replaced with the correct firmware package.

**Reissued: 15-Jul-08**

Model: T-MF1b		Date: 12-Sep-07	No.: RJ012002b
Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

**RTB Cancellation**

Please ignore **RTB RJ012002**. The correct contents have been reissued in **RTB RJ012010**.

**Reason:** The above RTB contained only the release note for T-MF1b Printer firmware. However, the firmware for this model must be released as a package of the Printer, Master Controller, and Ethernet Board firmware.

**Note:** The Printer firmware was deleted from the firmware download center and replaced with the correct firmware package.

**Reissued: 15-Jul-08**

Model: T-MF1bN		Date: 12-Sep-07	No.: RJ012003b
Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

**RTB Cancellation**

Please ignore **RTB RJ012003**. The correct contents have been reissued in **RTB RJ012011**.

**Reason:** The above RTB contained only the release note for T-MF1bN Printer firmware. However, the firmware for this model must be released as a package of the Printer, Master Controller, and Ethernet Board firmware.

**Note:** The Printer firmware was deleted from the firmware download center and replaced with the correct firmware package.

**Reissued: 15-Jul-08**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009a
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1a.  
Firmware (Printer, Master Controller, NIC) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.18</i></b>	<b><i>J0125619G</i></b>	<b><i>July 2008 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.17</i></b>	<b><i>J0125615K</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.60a</i></b>	<b><i>J0125613J</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.68</i></b>	<b><i>J0145614C</i></b>	
Package	1.17	J0125619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0125613G	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0125619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615F	
2. Master Controller	1.07e	J0125613F	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b><i>1.18</i></b>	<p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</i></b></li> <li><b><i>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</i></b></li> </ol> <p><b><i>Other changes:</i></b></p> <ol style="list-style-type: none"> <li><b><i>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</i></b></li> </ol>

**Reissued: 15-Jul-08**

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009a
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> </ol>		
1.11	1st mass production		

**Reissued: 15-Jul-08**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010a
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1b.  
 Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.18</i></b>	<b><i>J0135619G</i></b>	<b><i>July 2008 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.17</i></b>	<b><i>J0125615K</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.60a</i></b>	<b><i>J0135613L</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.68</i></b>	<b><i>J0145614C</i></b>	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0135619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615J	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b><i>1.18</i></b>	<p><b><i>Symptom corrected:</i></b></p> <ol style="list-style-type: none"> <li><b><i>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</i></b></li> <li><b><i>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</i></b></li> </ol> <p><b><i>Other changes:</i></b>  <b><i>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</i></b></p>

Reissued: 15-Jul-08

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010a
Version	Symptom Corrected		
1.17	<p><b>Specification changed:</b></p> <ol style="list-style-type: none"> <li><b>Supports Fax Forwarding:</b> <ul style="list-style-type: none"> <li>Fax transmission/reception documents stored in machine memory can be forwarded to specified fax numbers. Even when the machine is inoperable due to some error or other issue, all fax documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages:                     <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added:                     <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>If the print data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with fax communication/displays.</li> </ol>		
1.11	1st mass production		

**Reissued: 15-Jul-08**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011a
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**RTB Reissue**

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

Subject: Firmware Release History		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1bN.  
Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.18</b>	<b>J0145619G</b>	<b>July 2008 production</b>
1. <b>Printer</b>	<b>1.18</b>	<b>J0145615L</b>	
2. <b>Master Controller</b>	<b>2.60a</b>	<b>J0135613L</b>	
3. <b>Ethernet Board</b>	<b>2.68</b>	<b>J0145614C</b>	
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0145619D	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.09	J0145615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.18</b>	<p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li><b><i>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</i></b></li> <li><b><i>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</i></b></li> </ol> <p><b>Other changes:</b>  <b><i>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</i></b></p>

**Reissued: 15-Jul-08**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011a
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> <li>Too much ink is ejected when printing from a PCL6 driver (B/W only).</li> <li>System error 0002 sometimes occurs when printing out from a PCL6 driver.</li> </ol>		
1.11	1st mass production		

Model: T-MF1		Date: 2-Jul-08	No.: RJ012012
Subject: Incorrect display regarding ink cartridge.(French)		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Symptom

Some display messages related to the ink cartridge are incorrect (French only):

1. The LCD message instructs the operator to install all ink cartridges when only one of the cartridges is not installed.
2. The LCD message instructs the operator to replace all ink cartridges when only one of the cartridges reaches Ink End.
3. The LCD message instructs the operator to install all ink cartridges when a used ink cartridge is installed.
4. The LCD message is garbled and also instructs the operator to install all ink cartridges when only one of the ink cartridges reaches Ink Near End.  
(Printer mode only)

**See the next page for examples.**

## Cause

Firmware bug:

The firmware was incorrectly programmed to display ink messages based on "CMJN" instead of "KCMY".

## Solution

Update the firmware package to **v1.17 or newer**.

	T-MF1a	T-MF1b	T-MF1bN
Package	V1.17		
Printer	V1.15	V1.15	V1.16
Master Controller	V2.59c		
NIC	V2.68		

**Note:** To avoid this symptom until you can update the firmware, see the **"Workaround"** below.

Model: T-MF1

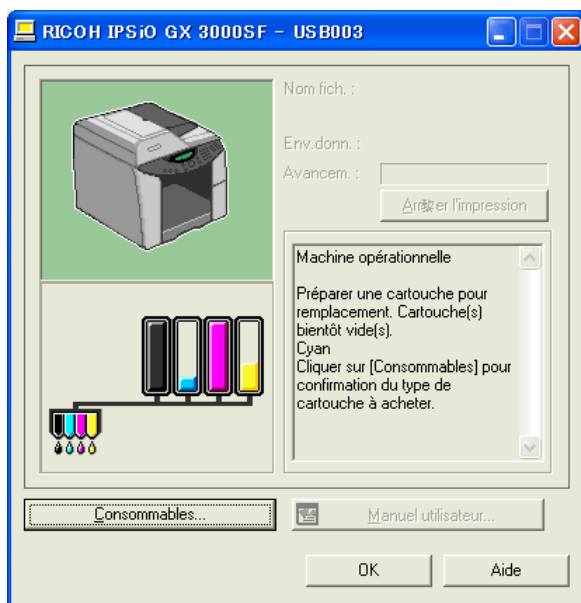
Date: 2-Jul-08

No.: RJ012012

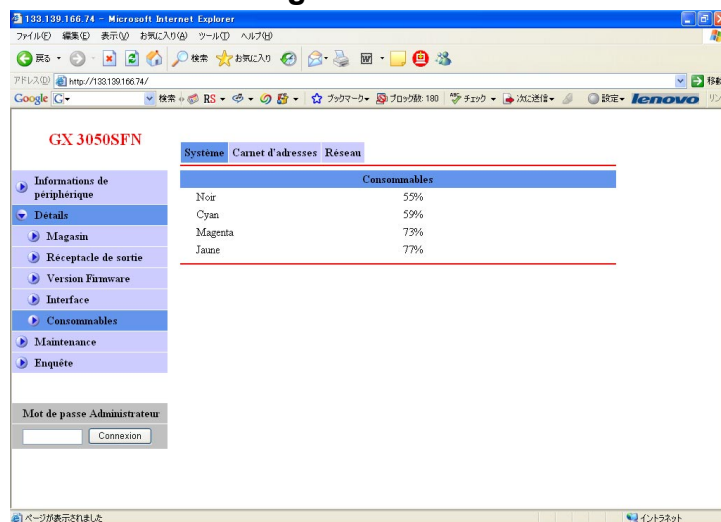
## Workaround

To avoid this symptom until you can update the firmware, check the actual amount of remaining ink with Status Monitor or WebImageMonitor.

### Status Monitor:



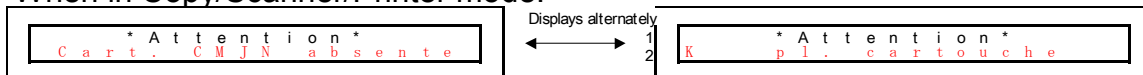
### WebImageMonitor:



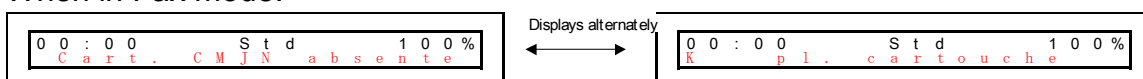
## Examples of the incorrect displays:

### 1. If one cartridge is not installed:

- When in Copy/Scanner/Printer mode:

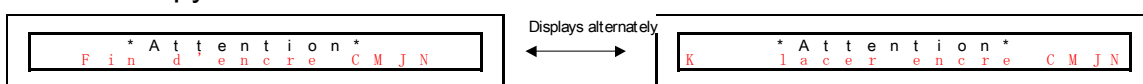


- When in Fax mode:

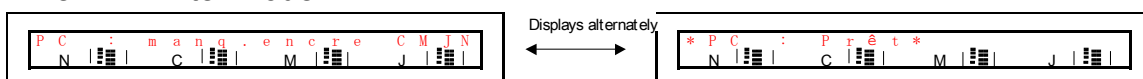


### 2. If one of the cartridges has reached Ink End:

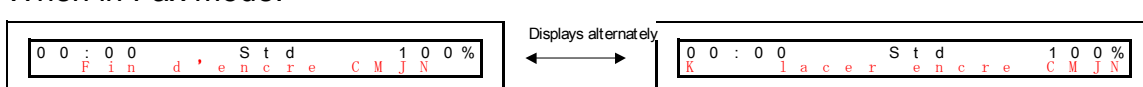
- When in Copy/Scanner mode:



- When in Printer mode:

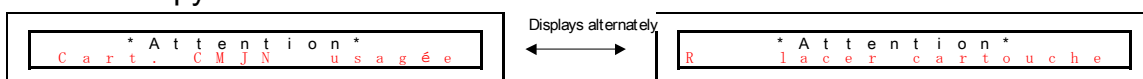


- When in Fax mode:

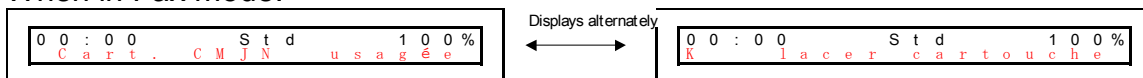


### 3. If a used ink bottle is installed:

- When in Copy/Scanner/Printer mode:

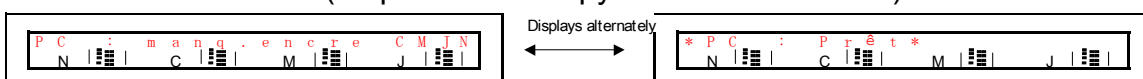


- When in Fax mode:



### 4. One of the ink cartridges reaches Ink Near End:

- When in Printer mode (no problem in Copy/Scanner/Fax mode):



Model: All GelSprinter models		Date: 26-Aug-08	No.: RJ007024
Subject: GJ analysis tool		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

## Important Information about a New GJ Analysis Tool

- When a problem occurs in the field, please use the GJ analysis tool available from the Firmware Download Center. The tool is available for all GelSprinter products.

Model list:

G500/G700/G7500  
 GX3000/GX3050N/GX5050N  
 GX2500/GX7000  
 GX3000S/GX3000SF/GX3050SFN

- Please use this tool to provide information for problem analysis, instead of the SMC report.

Model: T-MF1		Date: 28-Aug-08	No.: RJ012013
Subject: Procedure of Plotter Unit Replacement		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Important Note About Replacing the Plotter Unit

- The plotter unit can now be replaced in the field, instead of replacing the entire machine (see the service P/N list below). If any of the non-replaceable parts break in the field (printer head, transfer belt, etc.), replace the plotter unit.
- The plotter unit contains all machine parts except the following: ARDF unit, duplex unit, NIC, operation panel.
- See the replacement procedure on the next page of this RTB.

**IMPORTANT:** When you do this procedure, make sure to do the following:

1. Before you replace the unit, back up the customer's Address Book. Then, after you replace the unit, restore the data. (Use Web image monitor or Device setting utility to back up/restore the data.)
2. Replace the dummy platen cover, scanner unit, right cover, and left cover with the parts on the customer's original machine.

**Service P/N** (as of July 28, 2008):

Part Number	Description
J0120098	Plotter Unit:MF1a (-17)
J0120099	Plotter Unit:MF1a (-22, -27)
J0120005	Plotter Unit:MF1a (-21)
J0130098	Plotter Unit:MF1b (-17)
J0130099	Plotter Unit:MF1b (-22, -27)
J0130004	Plotter Unit:MF1b (-29)
J0130005	Plotter Unit:MF1b (-21)
J0140098	Plotter Unit:MF1bN (-17)
J0140099	Plotter Unit:MF1bN (-22, -27)
J0140004	Plotter Unit:MF1bN (-29)

Plotter unit:


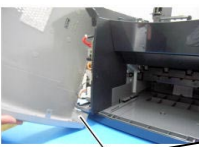

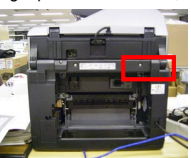


Model: T-MF1

Date: 28-Aug-08

No.: RJ012013

## Plotter Unit Replacement Procedure (bundled together with the plotter unit)

No	Procedure	Note
1	Print out the Service Summary. If you cannot print them out, proceed to Step 2.	<Service Summary> Enter to SP Mode ⇒ Service Menu ⇒ Execute "Service Summary".
2	Write down the following two numbers in the spaces provided to the right:  <Serial Number> <Bit switch settings (#1-8)>  Serial Number: <div style="border: 1px solid red; width: 250px; height: 20px; margin: 5px 0;"></div> Bit switches #1- <div style="border: 1px solid red; width: 250px; height: 20px; margin: 5px 0;"></div>	<p>◆ If you were able to print out the Service Summary in Step 1: &lt;Serial Number&gt; Service Summary : System Reference : Machine ID  &lt;Bit switches #1-8&gt; Service Summary : Bit Switch</p> <p>◆ If you were not able to print out the Service Summary in Step 1: &lt;Serial Number&gt;</p>  <p style="text-align: right;">Rating Plate</p>
3	Remove the following from the machine: Left and right covers, scanner unit, rear cover, ink cartridge cover, ink collection unit cover, paper tray.  <b>IMPORTANT:</b> DO NOT remove the rating plate attached to the rear cover or S/N decal attached to the ink cartridge cover.	<p><b>IMPORTANT:</b> To attach each cover, tilt the cover toward the front of the machine and insert the hook on the bottom left-hand corner. Then, tilt the cover toward the rear of the machine to fully engage the hook in the cover.</p>  <p style="text-align: center;">Hook</p>
4	Remove the following from the new plotter unit: Dummy scanner unit, left and right covers, rear cover, ink cartridge cover, dummy paper tray.  Attach the parts that you removed in Step 3 to the new plotter unit.	 <p style="text-align: right;">Serial Number Decal</p> <p style="text-align: center;">Ink cartridge cover</p> <p><b>IMPORTANT:</b> - The frame and outer covers attached to the new plotter unit at factory shipment are only temporary (the color of the paint is different from the new covers). So, make sure to remove these covers and attach the new ones (as mentioned in this Step). - DO NOT remove the rating plate attached to the rear cover or S/N decal attached to the ink cartridge cover.</p>
5	Insert the ink cartridge packaged with the new plotter unit, and then turn the main power ON.	<b>IMPORTANT:</b> The machine will perform ink initialization when the power is turned ON. So, make sure to use the <b>ink cartridge packaged with the new plotter unit</b> (NOT the user's cartridge).
6	Restore the Serial Number in memory to the number that you wrote down in Step 1 above.	<p>Enter to SP Mode ⇒ Service Menu ⇒ Serial No. Edit</p> <p>Note: The purpose of this step is to make sure a record is kept of the serial number of the original plotter unit.</p>
7	Store the Bit switch settings you wrote down in Step 2 inside the memory of the machine.	<p>Enter to SP Mode ⇒ Service Menu ⇒ Bit Switch ⇒ Input the settings for Bit switches #1-8 (default: 0).</p>
8	Print out the Service Summary and make sure that the settings you programmed in Step 6 and Step 7 were successfully applied.	
9	Print out the SMC. Then, in the space provided to the below, write down the number listed under "DUMMY_NO".  Dummy <div style="border: 1px solid red; width: 250px; height: 20px; margin: 5px 0;"></div>	<p>SP Mode ⇒ Engine Maint. ⇒ Execute SP No. 5200 (SMC )</p> <p>&lt;DUMMY NUMBER&gt; SMC : DUMMY_NO</p> <p><b>Note:</b> The "Dummy Number" is the serial number of the new plotter unit that you are installing. This number is very important, because it may be used later to verify whether certain field modifications apply to this machine.</p>
10	Write down the Dummy Number on the white label packaged together with the new plotter unit.  Then, attach the label to the right upperhand corner of the rear cover (area highlighted by the red box in the photo).	<p><b>IMPORTANT:</b> If there is already a white label attached here, this means this is not the first time the plotter unit is being replaced. In this case, attach the new label over the old one.</p>  <p style="text-align: right;">Seal with # of new unit inside Attach the seal here.</p>
11	Check the image quality and perform any necessary adjustments.	Print Nozzle Check Pattern, Head Position, Registration, Paper Feed and adjust them if necessary.

Model: T-MF1		Date: 22-Sep-08	No.: RJ012014
Subject: Ink yield improvment firmware		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other (Notice)	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Important Note about Ink Yield Improvement Firmware

- With the firmware version 1.18 or later, the ink yield is increased by about 5% (conditions: APV: 750, 5% chart, air release filling: 2 times/month).

**Note:** Actual ink yield varies depending on such factors as APV, coverage, color ratio, p/j, printing mode, manual cleaning counts, automatic maintenance counts (see Appendix 1), and monthly air release filling counts (see Appendix 2).

**Important:** If the machine performs air release filling ten or more times a month, there is probably something wrong with the printer head (normal: about twice a month). In such cases, replace the plotter unit (T-MF1 only) or swap the machine.

- The increase in yield was accomplished through the following changes:
  - When air is detected, the machine checks to see if the pressure inside the head tank is still negative. Only if negative pressure has been lost, air release filling is performed. (Previously, the machine performed air release filling without checking the pressure directly). As a result, the average number of times air release filling is performed was reduced from about twice a month to once a month.
  - Air detection is performed when the machine is turned ON, just before printing if the machine has not been used in over 5 hours, and after printing during automatic cleaning or ink filling. It takes an average of 7 seconds to check the negative pressure status for each printer head. However, the frequency of air release filling will decrease, so there will be no change in the overall maintenance time.

Model: T-MF1

Date: 22-Sep-08

No.: RJ012014

### Cut-in Serial Numbers

Red colored models are TBA.

Model name	Product name	Model Code	Cut-in serial number
T-MF1a	GX3000S	J012-17	R2687900001
		J012-21	R39YMMxxxxx
		J012-22	R27YMMxxxxx
		J012-27	R28YMMxxxxx
T-MF1b	GX3000SF	J013-17	R29YMMxxxxx
		J013-21	R40YMMxxxxx
		J013-22	R30YMMxxxxx
		J013-27	R31YMMxxxxx
T-MF1bN	GX3050SFN	J014-17	R32YMMxxxxx
		J014-22	R33YMMxxxxx
		J014-27	R34YMMxxxxx

### Appendix 1

#### ◆ Types of automatic and manual maintenance

		Type	Objective	Timing	Amount of Ink Consumption
1	Automatic	Pre Print 1	Prevent Head Dried	Every printing Job	0.05 pages
2		Pre Print 2		Every 336 pages printing	12 pages
3		Pre Print 3		10 hrs after last printing Job	1.2 pages
4		Pre Print 4		1 week after last printing Job	12 pages
5		Pre Print 5	Refresh Ink Tube	30 days after last printing Job	134 pages
6		Pre Print 6	Refresh Head Tank	Every 15 days	55 pages
7	Manual	Cleaning	Remove Blockage from head	when it is neseccary	12 pages
8		Flushing	Remove Blockage from head	when it is neseccary	85 pages

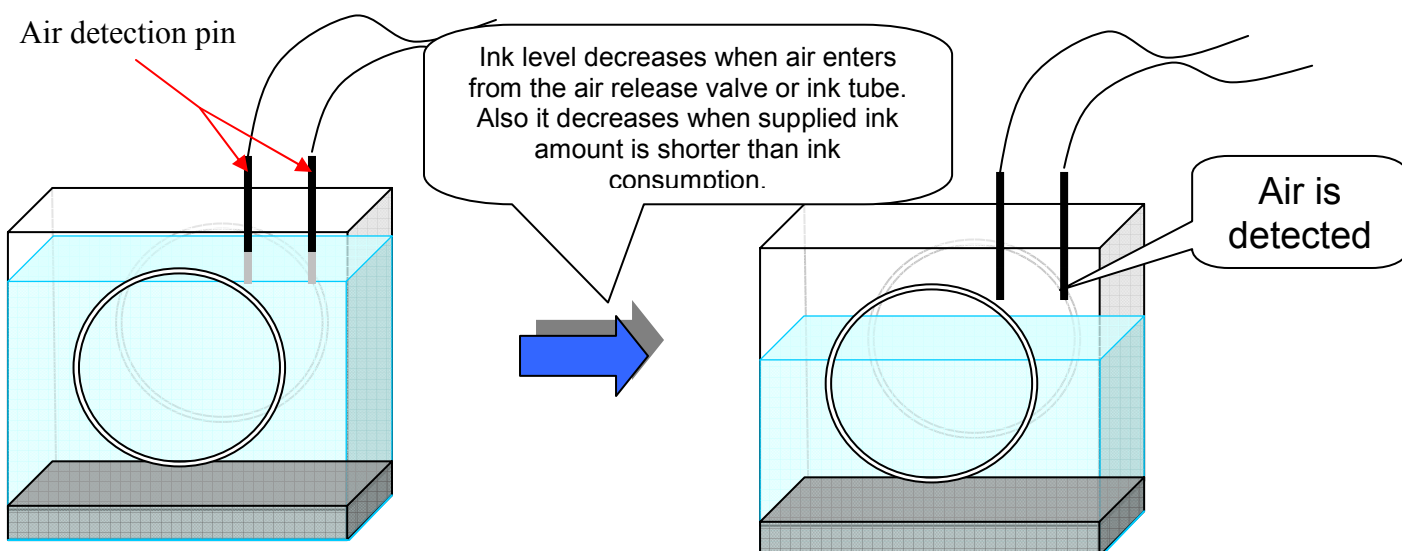
With the modified firmware, this becomes once every 30 days.

## Appendix 2

### ◆ Explanation of air release filling:

- In order to eject the ink properly from the print head, it is necessary to maintain negative pressure (with respect to the surrounding air) inside the head tank. If negative pressure is lost, the ink can leak out from the nozzle and adversely affect the image quality. If this occurs, the negative pressure must be re-established. This process is known as "air release filling".
- When the surface of the liquid dips below the detection pins (see the diagram below), the machine will perform air release filling. This is because if this happens, negative pressure may have been lost. To perform air release filling, the air release valve is opened (which re-calibrates the internal pressure), ink is poured into the ink head, and ink is sucked out by the suction cap with the air release valve closed. Therefore, to perform this process, the machine consumes ink.

### < Schematic view of head tank >



Model: T-MF1		Date: 7-Oct-08	No.: RJ012015
Subject: "Fax transmission error"		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input checked="" type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Symptom

Fax transmission fails and Error 0091 is displayed.

**Note:** In the following example, "###" is Error 0091.

### Fax mode

```
*Comm. Error*
                (####)
```

### Copy mode

```
STD      100%      1
□[A] ■ 1A4  Comm. Err
```

### Scan mode

```
Send Email/File
-Set Orig- Comm. Err
```

## Cause

The setting for the CEQ (Compromised Equalizer) function is enabled by default, in order to correct any attenuation in the signal during transmission. However, if the signal is received before it attenuates, the receiving fax machine cannot receive the fax data correctly.

Note: This symptom has a greater tendency to occur when using digital line connections, or when the receiver and exchanger are close to each other.

## Solution

Disable the CEQ setting.

1. Access SP mode for the scanner unit (Menu => # => \* => Yes).
2. Select "7. Soft setting".
3. Change bit 0 from "0" to "1" (#01=00100000 => #01=00100001).

Model: T-MF1		Date: 23-Oct-08	No.: RJ012016a
Subject: S001		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Symptom

“Warning: System Error (S001) “

## Cause

The lock lever of the scanner unit is not in the unlocked position, or the scanner unit is defective.

## Solution

Unlock the lock lever of the scanner unit. If this does not clear the error, replace the scanner unit.



Reissued: 17-Apr-09

Model: T-MF1	Date: 23-Oct-08	No.: RJ012017a
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## RTB Reissue

Description and illustration in the symptom was corrected.

Subject: "Power LED Failure"		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input 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 ( )		<input checked="" type="checkbox"/> Tier2

## Symptom

1. The power LED does not light.
2. The power LED is lit very dimly, and one or more of the panel keys circled in blue below do not work.



## Cause

The power LED is defective (low resistance to static electricity and temperature).

1. If the power LED is completely broken, the circuit will open, and the LED will not light.
2. If the resistance of the LED is too low, the circuit remains closed, but current flows the wrong way. As a result, one or more of the operation keys do not light.

## Solution

If either symptom is reported, replace the scanner unit.

**Note:** It is not possible to replace the LED or operation panel individually.

**IMPORTANT:** Before you replace the scanner unit, back up the settings and data stored on the scanner unit controller board. Then, after replacement, restore them to the new controller board. **See the next page.**

Model: T-MF1

Date: 20-Nov-08

No.: RJ012017

## Backing up the settings/data on the controller board

- The controller board inside the scanner unit contains the following settings/data. Therefore, these settings/data must be backed up **before** the scanner unit is replaced.
  - ✧ Scanner settings
  - ✧ Fax settings
  - ✧ Network settings
  - ✧ Address Book data
- There are four ways to do the backup.
 

**Note:** For details, see “Checking the Machine” and “Specifying and Adjustment” in the Operator’s Instructions.

  1. Print out the report and then restore the data/settings manually.
  2. Use the device settings utility.
 

This is bundled together with the machine, and is also available for download from the global web site.

**Note:** The utility cannot be used with the GX3000S.
  3. Use Web Image Monitor.
 

**Note:** To use WIM with the GX3000S and GX3000SF, the optional network interface board must be installed.
  4. Use Telnet.
 

**Note:** To use Telnet with the GX3000S and GX3000SF, the optional network interface board must be installed.

**Reissued: 18-Dec-08**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009b
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**RTB Reissue**

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

Subject: Firmware Release History Controller		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1a.  
 Firmware (Printer, Master Controller, NIC) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.22</b>	<b>J0125619H</b>	<b>December 2008 production</b>
1. <b>Printer</b>	<b>1.18</b>	<b>J0125615L</b>	
2. <b>Master Controller</b>	<b>2.63c</b>	<b>J0125613K</b>	
3. <b>Ethernet Board</b>	<b>2.72</b>	<b>J0145614D</b>	
Package	1.18	J0125619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0125613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0125619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0125613G	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0125619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615F	
2. Master Controller	1.07e	J0125613F	
3. Ethernet Board	1.00	J0145614	

**Reissued: 18-Dec-08**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009b
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Version	Symptom Corrected
1.22	<p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>1. <i>Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</i></li> <li>2. <i>Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese, and Chinese).</i></li> <li>3. <i>When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</i></li> <li>4. <i>The wrong message is displayed when the machine detects temperature conditions outside specification limits.</i>  <i>Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</i></li> <li>5. <i>Garbled characters might be displayed in the WIM interface.</i></li> </ol> <p><b>Other changes:</b>  <i>The ftpd is disabled by default. This change does not affect any client functions.</i></p>
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li> </ol>

**Reissued: 18-Dec-08**

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009b
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> </ol>		
1.11	1st mass production		

**Reissued: 18-Dec-08**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010b
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**RTB Reissue**

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

Subject: Firmware Release History Controller		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1b.  
 Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.22</b>	<b>J0135619H</b>	<b><i>December 2008 production</i></b>
1. <b><i>Printer</i></b>	<b>1.18</b>	<b>J0145615L</b>	
2. <b><i>Master Controller</i></b>	<b>2.63c</b>	<b>J0145613M</b>	
3. <b><i>Ethernet Board</i></b>	<b>2.72</b>	<b>J0135614D</b>	
Package	1.18	J0135619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0135619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615J	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Reissued: 18-Dec-08

Model: T-MF1b

Date: 13-Jun-08

No.: RJ012010b

Version	Symptom Corrected
1.22	<p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"><li>1. <i>Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</i></li><li>2. <i>Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</i></li><li>3. <i>When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</i></li><li>4. <i>The wrong message is displayed when the machine detects temperature conditions outside specification limits.</i> <i>Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</i></li><li>5. <i>When a duplex jam occurs, the LCD icon for modem-based fax transmission/reception is blackened out.</i></li><li>6. <i>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</i></li><li>7. <i>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</i></li><li>8. <i>Garbled characters might be displayed in the WIM interface.</i></li></ol> <p><b>Other changes:</b> <i>The ftpd is disabled by default. This change does not affect any client functions.</i></p>
1.18	<p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"><li>1. <i>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</i></li><li>2. <i>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</i></li></ol> <p><b>Other changes:</b> <i>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</i></p>

**Reissued: 18-Dec-08**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010b
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> </ol>		
1.11	1st mass production		

**Reissued: 18-Dec-08**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011b
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**RTB Reissue**

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

Subject: Firmware Release History Controller		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1bN. Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.22</b>	<b>J0145619H</b>	<b><i>December 2008 production</i></b>
1. <b><i>Printer</i></b>	<b>1.19</b>	<b>J0125615M</b>	
2. <b><i>Master Controller</i></b>	<b>2.63c</b>	<b>J0145613M</b>	
3. <b><i>Ethernet Board</i></b>	<b>2.72</b>	<b>J0135614D</b>	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0145619D	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.09	J0145615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

**Reissued: 18-Dec-08**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011b
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Version	Symptom Corrected
1.22	<p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>1. <i>Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</i></li> <li>2. <i>Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</i></li> <li>3. <i>When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</i></li> <li>4. <i>The wrong message is displayed when the machine detects temperature conditions outside specification limits.</i>  <i>Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</i></li> <li>5. <i>When a duplex jam occurs, the LCD icon for modem-based fax transmission/reception is blackened out.</i></li> <li>6. <i>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</i></li> <li>7. <i>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</i></li> <li>8. <i>Garbled characters might be displayed in the WIM interface.</i></li> </ol> <p><b>Other changes:</b></p> <ol style="list-style-type: none"> <li>1. <i>The ftpd is disabled by default. This change does not affect any client functions.</i></li> </ol>
1.18	<p><b>Symptom corrected:</b></p> <ol style="list-style-type: none"> <li>2. <i>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</i></li> <li>3. <i>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</i></li> </ol> <p><b>Other changes:</b></p> <p><i>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</i></p>

**Reissued: 18-Dec-08**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011b
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> <li>Too much ink is ejected when printing from a PCL6 driver (B/W only).</li> <li>System error 0002 sometimes occurs when printing out from a PCL6 driver.</li> </ol>		
1.11	1st mass production		

Reissued:16-Feb-09

Model: T-MF1	Date: 23-Jan-09	No.: RJ012018a
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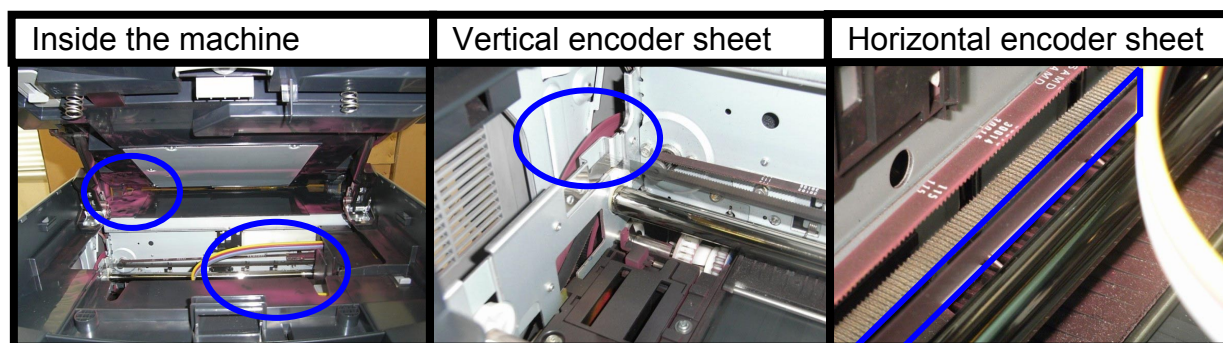
## RTB REISSUE

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

Subject: Ink mist		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input 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 (      )	

## SYMPTOM

- 1) Carriage jam (operation panel display: "Remove Misfeed Top Cover")
- 2) White lines or banding



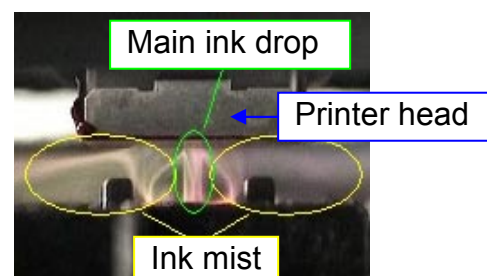
### Note:

- The model in the photos is the T-MF1.
- The ink mist (see CAUSE below) has no effect on the function of the belts.
- In the photos above, the ink mist looks magenta when attached to a dark surface, and black when attached to a light surface. However, the actual amount of ink mist released is the same for each ink color.

## CAUSE

Normally, a small amount of ink mist is discharged from the nozzles. When it does, air streams or the electrical charge on the transport belt can sometimes redirect the mist. As a result, this mist does not hit the target area (on the paper). This symptom is noticeable when printed under the conditions listed below.

- High print volume
- Low P/J
- High Quality Mode is used
- Paper with a high surface resistance is used, such as recycled paper
- The envelope lever is in the envelope position when printing onto plain paper



**Reissued:16-Feb-09**

Model: T-MF1

Date: 23-Jan-09

No.: RJ012018a

**WORKAROUND**

- 1) Clean the horizontal encoder sheet and vertical encoder sheet.
- 2) Perform head cleaning.
- 3) Set the envelope lever to the standard position when printing onto standard/plain paper.
- 4) If the customer is only using paper with a high surface resistance, set **bit 6 of bit SW8** to a value of 1 (default: 0).

Model: T-MF1		Date: 2-Mar-09	No.: RJ012019
Subject: "SC999 at installation only"		Prepared by: Y.Yoshida	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Symptom

SC999 (motor lock) may occur on some machines at installation

## Cause

On the production line for the maintenance unit stepping motor (third vendor), the adhesive-drying step was skipped in some cases. As a result, the adhesive inside the motor could not vaporize correctly, causing the gear to stick to the shaft.

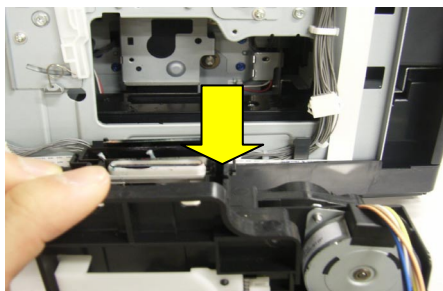
**Note:** As described above, this occurrence of SC999 is caused by a motor rotation failure. It is not related to SC999 caused by ink clogging.

## Solution

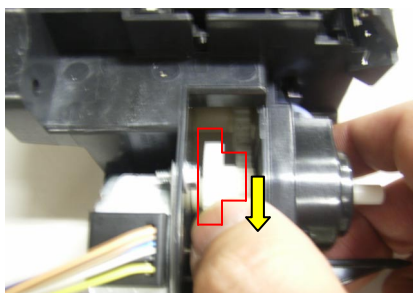
If the symptom is reported, advise the customer to turn the machine main power OFF/ON five times. **If this does not clear the SC**, release the motor lock manually.

**See the procedure below**

1. Remove the maintenance unit.



2. Turn the motor shaft manually in the direction of the arrow until the motor lock is released.



Model: T-MF1

Date: 2-Mar-09

No.: RJ012019

**Potentially Affected S/N:**

Product Code	Model name	S/N
J01217	GX3000S-NA	R2687900001~R2687900070
J01222	GX3000S-EU(R27)	R2788100001~R2788100005

Product Code	Model name	S/N
J01417	GX3050SFN-NA	R3287900001~R3287900060
J01427	GX3050SFN-EU	R3487900001~R3487900050
J01427	GX3050SFN-EU	R3488000001~R3488000030
J01427	GX3050SFN-EU	R3488100001~R3488100001

Model: T-MF1		Date: 12-Mar-09	No.: RJ012020
Subject: Service Manual Revision		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

## Service Manual Revision

Please add the following SC description (SC Code Tables, pg. 161):

SC code	Level	Description	Solution
940	A	Machine stalls.	Cycle the power off/on

Reissued: 24-Apr-09

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009c
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## RTB Reissue

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1a.  
Firmware (Printer, Master Controller, NIC) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.24</b>	<b>J0125619J</b>	<b>April 2009 production</b>
1. <b>Printer</b>	<b>1.19</b>	<b>J0125615M</b>	
2. <b>Master Controller</b>	<b>2.63c</b>	<b>J0125613K</b>	
3. <b>Ethernet Board</b>	<b>2.72</b>	<b>J0145614D</b>	
Package	1.22	J0125619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0125619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0125613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0125619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0125613G	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0125619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615F	
2. Master Controller	1.07e	J0125613F	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.24</b>	<b>Minor modification has been made.</b>

**Reissued: 24-Apr-09**

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009c
Version	Symptom Corrected		
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li><li>2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese, and Chinese).</li><li>3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li><li>4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li></ol>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li><li>2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li></ol> <p>Other changes:</p> <ol style="list-style-type: none"><li>1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li></ol>		

**Reissued: 24-Apr-09**

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009c
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> </ol>		
1.11	1st mass production		

**Reissued: 24-Apr-09**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010c
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1b.  
 Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.24</b>	<b>J0135619J</b>	<b><i>April 2009 production</i></b>
1. <b><i>Printer</i></b>	<b>1.19</b>	<b>J0125615M</b>	
2. <b><i>Master Controller</i></b>	<b>2.63c</b>	<b>J0135613M</b>	
3. <b><i>Ethernet Board</i></b>	<b>2.72</b>	<b>J0145614D</b>	
Package	1.22	J0135619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0135619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0135619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.24</b>	<b><i>Minor modification has been made.</i></b>

**Reissued: 24-Apr-09**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010c
Version	Symptom Corrected		
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li><li>2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</li><li>3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li><li>4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li><li>5. When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li><li>6. If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li><li>7. If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li><li>8. Garbled characters might be displayed in the WIM interface.</li></ol> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li><li>2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li></ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		

**Reissued: 24-Apr-09**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010c
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers.</li> <li>Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> </ol>		
1.11	1st mass production		

Reissued: 24-Apr-09

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011c
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## RTB Reissue

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1bN. Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.24</i></b>	<b><i>J0145619L</i></b>	<b><i>April 2009 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.21</i></b>	<b><i>J0145615P</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.63c</i></b>	<b><i>J0135613M</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.72</i></b>	<b><i>J0145614D</i></b>	
Package	1.22	J0145619H	December 2008 production
1. Printer	1.19	J0145615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0145619D	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.09	J0145615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b><i>1.24</i></b>	<b><i>Symptom corrected: Sometimes, the power turns off while the machine is printing out an ISO test chart that was sent using a PCL driver.</i></b>

**Reissued: 24-Apr-09**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011c
Version	Symptom Corrected		
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li><li>2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</li><li>3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li><li>4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li><li>5. When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li><li>6. If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li><li>7. If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li><li>8. Garbled characters might be displayed in the WIM interface.</li></ol> <p>Other changes:</p> <ol style="list-style-type: none"><li>1. The ftpd is disabled by default. This change does not affect any client functions.</li></ol>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>2. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li><li>3. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li></ol> <p>Other changes:</p> <p>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		

**Reissued: 24-Apr-09**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011c
Version	Symptom Corrected		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> <li>Too much ink is ejected when printing from a PCL6 driver (B/W only).</li> <li>System error 0002 sometimes occurs when printing out from a PCL6 driver.</li> </ol>		
1.11	1st mass production		

Model: T-MF1b/bN		Date: 25-May-09	No.: RJ012021
Subject: "High frequency noise"		Prepared by: Y.Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Other (      ) <input checked="" type="checkbox"/> Tier2		

## Symptom

A high-frequency sound can be heard coming from the scanner board.

**Note:** Only T-MF1b and T-MF1bN.

## Cause

The switching frequency of the DC converter on the scanner board is about 14kHz. This is within specification, but the sound may be audible to some people.

**Note:** The range of human hearing is about 20Hz to 20kHz.

## Solution

Replace the scanner board or scanner unit with the modified part.

**Note:** Part numbers described below may change in the future.

Scanner board:

Old Part Number	Part Number	New Description	Q'ty	Int	Page	Index
J0130514	<b>J0130524</b>	Scanner Board:MF1b/bN (-17, -21)	1	O/O	9	2
J0130531	<b>J0130534</b>	Scanner Board:MF1b/bN (-22, -27, 29)	1	O/O	9	2

Scanner unit:

Old Part Number	Part Number	New Description	Q'ty	Int	Page	Index
J0130071	<b>J0130271</b>	Scanner Unit:MF1b/bN (-17)	1	O/O	9	*
J0130074	<b>J0130274</b>	Scanner Unit:MF1b/bN (-21)	1	O/O	9	*
J0130172	<b>J0130272</b>	Scanner Unit:MF1b/bN (-22, -27, -29)	1	O/O	9	*
J0130173						

## Cut-in Serial Numbers

Model	Serial number	Note:
J013-17	TBA	Modification will be applied after stock of old parts are used up.
J013-21	TBA	Modification will be applied after stock of old parts are used up..
J013-22	TBA	Modification will be applied from the next production run. The final serial number of the unmodified units is: R3087700070.
J013-27	TBA	Modification will be applied from the next production run.. The final serial number of the unmodified units is: R3197500100.
J014-17	TBA	Modification will be applied after stock of old parts are used up
J014-22	R3497700001	-
J014-27	R3497600236	-

Model: T-MF1		Date: 10-Aug-09	No.: RJ012022
Subject: NV-RAM cannot be replaced		Prepared by: Y. Murata	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other (      )	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

## Important Note Regarding the NV-RAM on GelSprinter Models

- On GelSprinter models, the NV-RAM on the main board **cannot be replaced individually** in the field. If the NV-RAM is defective, **replace the entire printer.**

Reasons:

- 1) The "Plug and Play" value cannot be set in the field (this can only be done at the factory).
  - 2) "Print Head Ranks" cannot be set in the field.
  - 3) The machine serial number cannot be set to an 11-digit value (there is a 10-digit maximum).
- If you replace the NV-RAM individually, the following will occur:
    - The print quality will worsen.
    - Only 10 of the 11 digits in the machine serial number can be input.
    - The Japanese model name will appear on the System Summary Sheet.

Model: T-MF1		Date: 08-Dec-09	No.: RJ012023
Subject: SC 990		Prepared by: J. Mochizuki	
From: 2nd Overseas Tech Support Sec. 2nd PQM 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

## SYMPTOM

SC990 is displayed and the machine is unable to operate.

## CAUSE

1. Ink dries and sticks to the inside of the suction tube of the maintenance unit, causing an ink suction failure.
2. Ink builds up on the rim of the suction cap because of an insufficient ink flow inside the suction tube. This can disrupt the air-tight connection with the print head.

Though there are some other minor causes, the above two comprise more than 80% of all SC990-triggered reports.

## SOLUTION

### Production line:

The maintenance unit has been modified.

A tube used in the maintenance unit has been changed from a silicone type to an Elastomer type, which dramatically reduces the risk of ink blockage following a prolonged period of non-use.

The part numbers of the maintenance units have been changed as follows:

Model Code	Old Part Number	New Part Number
J012/J013/J014	J0150411	J0070413

### In the field:

1. Cycle power off/on.
2. If the problem is not resolved, install the modified maintenance unit.

Model: T-MF1

Date: 08-Dec-09

No.: RJ012023

**CUT-IN SERIAL NUMBERS**

Model Code	Machine Cut-in S/N
J012-17	R2698300001
J013-17	R29982XXXXX
J014-17	R3298400001
J012-21	R39982XXXXX
J013-21	R4098100007
J012-22	R27982 XXXXX
J013-22	R30982 XXXXX
J014-22	R3398300001
J012-27	R28982 XXXXX
J013-27	R31982 XXXXX
J014-27	R3498300001
J013-29	R38982 XXXXX
J014-29	R38982 XXXXX

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**Reissued: 22-Apr-10**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011e
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1bN.  
 Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.26</i></b>	<b><i>J0145619M</i></b>	<b><i>April 2010 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.23</i></b>	<b><i>J0145615Q</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.64a-2</i></b>	<b><i>J0135613N</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.75</i></b>	<b><i>J0145614E</i></b>	
Package	1.25	J0145619L_ce001	F/W updater only (No production change)
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0145619L	April 2009 production
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0145619H	December 2008 production
1. Printer	1.19	J0145615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0145619D	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.09	J0145615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

**Reissued: 22-Apr-10**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011e
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Version	Symptom Corrected
1.26	<p><b>Specification change:</b></p> <ol style="list-style-type: none"> <li><b>Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</b></li> </ol> <p><b>Symptoms corrected:</b></p> <ol style="list-style-type: none"> <li><b>The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.</b></li> <li><b>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</b></li> </ol>
1.25	<p>Specification changes:</p> <ol style="list-style-type: none"> <li>Supports firmware update via a PCL driver.</li> <li>Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</li> </ol>
1.24	<p>Symptom corrected:</p> <p>Sometimes, the power turns off while the machine is printing out an ISO test chart that was sent using a PCL driver.</p>
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li> <li>Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</li> <li>When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> <li>When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li> <li>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>The ftpd is disabled by default. This change does not affect any client functions.</li> </ol>
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol>

**Reissued: 22-Apr-10**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011e
Version	Symptom Corrected		
	<p>Other changes:</p> <p>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers.</li> <li>Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> <li>Too much ink is ejected when printing from a PCL6 driver (B/W only).</li> <li>System error 0002 sometimes occurs when printing out from a PCL6 driver.</li> </ol>		
1.11	1st mass production		

**Reissued: 06-May-10**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010e
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 2nd Overseas Tech Support Sec., 2nd 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1b.

Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.26</i></b>	<b><i>J0135619K</i></b>	<b><i>April 2010 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.21</i></b>	<b><i>J0125615N</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.64a-2</i></b>	<b><i>J0135613N</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.75</i></b>	<b><i>J0145614E</i></b>	
Package	1.25	J0135619J_ce001	F/W updater only (No production change)
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0135619J	April 2009 production
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0135619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0135619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0135619C	1st Mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

**Reissued: 06-May-10**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010e
Version	Symptom Corrected		
1.26	<p><b>Specification change:</b></p> <ol style="list-style-type: none"> <li><b>Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</b></li> </ol> <p><b>Symptoms corrected:</b></p> <ol style="list-style-type: none"> <li><b>The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.</b></li> <li><b>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</b></li> </ol>		
1.25	<p>Specification changes:</p> <ol style="list-style-type: none"> <li>Supports firmware update via a PCL driver.</li> <li>Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</li> </ol>		
1.24	Minor modification has been made.		
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li> <li>Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</li> <li>When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> <li>When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li> <li>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	Specification changed:		

**Reissued: 06-May-10**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010e
Version	Symptom Corrected		
	<ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> </ol>		
1.11	1st Mass production		

**Reissued: 11-May-10**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009e
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J.Mochizuki	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1a.  
 Firmware (Printer, Master Controller, NIC) will be released in one package.

	Version	Program No.	Effective Date
<b>Package</b>	<b>1.26</b>	<b>J0125619K</b>	<b><i>April 2010 production</i></b>
1. <b><i>Printer</i></b>	<b>1.21</b>	<b>J0125615N</b>	
2. <b><i>Master Controller</i></b>	<b>2.64a-4</b>	<b>J0125613L</b>	
3. <b><i>Ethernet Board</i></b>	<b>2.75</b>	<b>J0145614E</b>	
Package	1.25	J0125619J_ce001	F/W updater only (No production change)
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c-4	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0125619J	April 2009 production
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0125619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0125619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0125613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0125619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0125613G	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0125619C	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.08	J0125615F	
2. Master Controller	1.07e	J0125613F	
3. Ethernet Board	1.00	J0145614	

**Reissued: 11-May-10**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009e
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Version	Symptom Corrected
1.26	<p><b>Specification change:</b></p> <ol style="list-style-type: none"> <li><b>Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</b></li> </ol> <p><b>Symptoms corrected:</b></p> <ol style="list-style-type: none"> <li><b>The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.</b></li> <li><b>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</b></li> </ol>
1.25	<p>Specification changes:</p> <ol style="list-style-type: none"> <li>Supports firmware update via a PCL driver.</li> <li>Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</li> </ol>
1.24	Minor modification has been made.
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li> <li>Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese, and Chinese).</li> <li>When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> </ol>
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li> </ol>
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is</li> </ol>

**Reissued: 11-May-10**

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009e
Version	Symptom Corrected		
	<p>replaced.</p> <ol style="list-style-type: none"><li>6. Supports the following display languages:<ul style="list-style-type: none"><li>- Machine display: Finnish, Czech, Hungarian, Polish</li><li>- Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li></ul></li><li>7. The default display language for WIM will match whatever display language has been set for the machine operation panel.</li><li>8. The following SCs were added:<ul style="list-style-type: none"><li>- SC976 (Printer head error at arrival).</li><li>- SC977 (Printer head error occurs at running).</li></ul></li><li>9. Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li></ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li><li>2. Incorrect wording on the machine display when the display language is changed from English to another language.</li><li>3. Incorrect wording in an ink cartridge-related display message (French only).</li><li>4. Part of the email notification sent when the ink waste tank is full was incorrect.</li><li>5. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li></ol>		
1.11	1st Mass production		

**Reissued: 31-May-10**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011f
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1bN. Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.27</i></b>	<b><i>J0145619N</i></b>	<b><i>June 2010 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.24</i></b>	<b><i>J0145615R</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.64a-2</i></b>	<b><i>J0135613N</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.75</i></b>	<b><i>J0145614E</i></b>	
Package	1.26	J0145619M	April 2010 production
1. Printer	1.23	J0145615Q	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0145619L_ce001	F/W updater only (No production change)
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0145619L	April 2009 production
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0145619H	December 2008 production
1. Printer	1.19	J0145615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0145619D	1st mass production (Dec. 2007)
1. Printer	1.09	J0145615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	
			Not released on WEB or RISSN server.

**Reissued: 31-May-10**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011f
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Version	Symptom Corrected
<b>1.27</b>	<b><i>Symptom corrected: Print jobs from PCL5 or 6 driver are not printed.</i></b>
1.26	<p>Specification change:</p> <ol style="list-style-type: none"> <li>1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</li> </ol> <p>Symptoms corrected:</p> <ol style="list-style-type: none"> <li>1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.</li> <li>2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>
1.25	<p>Specification changes:</p> <ol style="list-style-type: none"> <li>1. Supports firmware update via a PCL driver.</li> <li>2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</li> </ol>
1.24	<p>Symptom corrected:</p> <p>Sometimes, the power turns off while the machine is printing out an ISO test chart that was sent using a PCL driver.</p>
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li> <li>2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</li> <li>3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li> <li>4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> <li>5. When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li> <li>6. If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>7. If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>8. Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>1. The ftpd is disabled by default. This change does not affect any client functions.</li> </ol>
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> </ol>

**Reissued: 31-May-10**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011f
Version	Symptom Corrected		
	<p>2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</p> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> <li>Too much ink is ejected when printing from a PCL6 driver (B/W only).</li> <li>System error 0002 sometimes occurs when printing out from a PCL6 driver.</li> </ol>		
1.11	1st mass production		

**Reissued: 25-Jul-11**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011g
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1bN.  
 Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.29</i></b>	<b><i>J0145619Q_CE001</i></b>	<b><i>July 2011 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.26</i></b>	<b><i>J0145615T</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.65a-2</i></b>	<b><i>J0135613P</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.79</i></b>	<b><i>J0145614F</i></b>	
Package	1.27	J0145619N	June 2010 production
1. Printer	1.24	J0145615R	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.26	J0145619M	April 2010 production
1. Printer	1.23	J0145615Q	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0145619L_ce001	F/W updater only (No production change)
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0145619L	April 2009 production
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0145619H	December 2008 production
1. Printer	1.19	J0145615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	

**Reissued: 25-Jul-11**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011g
Package	1.11	J0145619D	1st mass production (Dec. 2007) Not released on WEB or RISSN server.
1. Printer	1.09	J0145615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.29</b>	<p><b>Symptom corrected:</b>  <b><i>Images are printed out blank or partially blank if the transport belt is smudged with ink (since this results in a paper width misdetection).</i></b></p> <p><b>Other change:</b>  <b><i>Less ink is consumed when the ink cartridge is replaced, due to modifications made to the head maintenance control.</i></b></p>
1.27	Symptom corrected: Print jobs from PCL5 or 6 driver are not printed.
1.26	<p>Specification change:            1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</p> <p>Symptoms corrected:            1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.            2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</p>
1.25	<p>Specification changes:            1. Supports firmware update via a PCL driver.            2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</p>
1.24	Symptom corrected: Sometimes, the power turns off while the machine is printing out an ISO test chart that was sent using a PCL driver.
1.22	<p>Symptom corrected:            1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.            2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).            3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").            4. The wrong message is displayed when the machine detects temperature conditions outside specification limits.                Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.            5. When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.            6. If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</p>

**Reissued: 25-Jul-11**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011g
Version	Symptom Corrected		
	<p>7. If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</p> <p>8. Garbled characters might be displayed in the WIM interface.</p> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> </ol>		

**Reissued: 25-Jul-11**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011g
Version	Symptom Corrected		
	4. The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.		
	5. Part of the email notification sent when the ink waste tank is full was incorrect.		
	6. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.		
	7. Minor issues with FAX communication/displays.		
	8. Too much ink is ejected when printing from a PCL6 driver (B/W only).		
	9. System error 0002 sometimes occurs when printing out from a PCL6 driver.		
1.11	1st mass production		

**Reissued: 17-Aug-11**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010f
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1b.

Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.28</i></b>	<b><i>J0135619M_CE001</i></b>	<b><i>August 2011 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.23</i></b>	<b><i>J0125615Q</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.65a-2</i></b>	<b><i>J0135613P</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.79</i></b>	<b><i>J0145614F</i></b>	
Package	1.26	J0135619K	April 2010 production
1. Printer	1.21	J0125615N	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0135619J_ce001	F/W updater only (No production change)
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0135619J	April 2009 production
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0135619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0135619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0135619C	1st Mass production (Dec. 2007)
1. Printer	1.08	J0125615F	
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Not released on WEB or RISSN server.

**Reissued: 17-Aug-11**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010f
Version	Symptom Corrected		
1.28	<p><b>Symptom corrected:</b>  <i>Images are printed out blank or partially blank if the transport belt is smudged with ink (since this results in a paper width misdetection).</i></p> <p><b>Other change:</b>  <i>Less ink is consumed when the ink cartridge is replaced, due to modifications made to the head maintenance control.</i></p>		
1.26	<p>Specification change:</p> <ol style="list-style-type: none"> <li>1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</li> </ol> <p>Symptoms corrected:</p> <ol style="list-style-type: none"> <li>1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.</li> <li>2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>		
1.25	<p>Specification changes:</p> <ol style="list-style-type: none"> <li>1. Supports firmware update via a PCL driver.</li> <li>2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</li> </ol>		
1.24	Minor modification has been made.		
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li> <li>2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese).</li> <li>3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li> <li>4. The wrong message is displayed when the machine detects temperature conditions outside specification limits.  Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> <li>5. When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li> <li>6. If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>7. If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>8. Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes:  The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> </ol>		

**Reissued: 17-Aug-11**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010f
	<p>2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</p> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>	
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> <li>Minor issues with FAX communication/displays.</li> </ol>	
1.11	1st Mass production	

**Reissued: 24-Nov-11**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009f
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J.Mochizuki	
From: 3rd 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 (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1a.  
 Firmware (Printer, Master Controller, NIC) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.29</i></b>	<b><i>J0125619N</i></b>	<b><i>December 2011 production</i></b>
<b><i>1. Printer</i></b>	<b><i>1.24</i></b>	<b><i>J0125615R</i></b>	
<b><i>2. Master Controller</i></b>	<b><i>2.65a-4</i></b>	<b><i>J0125613M</i></b>	
<b><i>3. Ethernet Board</i></b>	<b><i>2.79</i></b>	<b><i>J0145614F</i></b>	
Package	1.26	J0125619K	April 2010 production
1. Printer	1.21	J0125615N	
2. Master Controller	2.64a-4	J0125613L	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0125619J_ce001	F/W updater only (No production change)
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c-4	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0125619J	April 2009 production
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0125619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0125613K	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0125619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0125613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0125619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0125613G	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0125619C	1st mass production (Dec. 2007)
1. Printer	1.08	J0125615F	
2. Master Controller	1.07e	J0125613F	
3. Ethernet Board	1.00	J0145614	

Not released on WEB or RISSN server.

**Reissued: 24-Nov-11**

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009f
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Version	Symptom Corrected
<b>1.29</b>	<b><i>Symptom corrected: Minor bug correction.</i></b>
1.26	<p>Specification change:</p> <ol style="list-style-type: none"> <li>1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</li> </ol> <p>Symptoms corrected:</p> <ol style="list-style-type: none"> <li>1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this.</li> <li>2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>
1.25	<p>Specification changes:</p> <ol style="list-style-type: none"> <li>1. Supports firmware update via a PCL driver.</li> <li>2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.</li> </ol>
1.24	Minor modification has been made.
1.22	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian.</li> <li>2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese, and Chinese).</li> <li>3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</li> <li>4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> </ol>
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes:</p> <ol style="list-style-type: none"> <li>1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li> </ol>
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>1. "Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>2. Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>3. Improved the wording for the error message displayed when a paper jam occurs.</li> <li>4. Supports the Divide and Send Email feature (incl. setting the size of each</li> </ol>

**Reissued: 24-Nov-11**

Model: T-MF1a		Date: 13-Jun-08	No.: RJ012009f
Version	Symptom Corrected		
	<p>individual email).</p> <ol style="list-style-type: none"> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>Part of the email notification sent when the ink waste tank is full was incorrect.</li> <li>An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li> </ol>		
1.11	1st Mass production		

**Reissued: 24-Nov-11**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010g
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 3rd 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1b.

Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.29</i></b>	<b><i>J0135619N</i></b>	<b><i>December 2011 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.24</i></b>	<b><i>J0125615R</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.65a-2</i></b>	<b><i>J0135613P</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.79</i></b>	<b><i>J0145614F</i></b>	
Package	1.28	J0135619M_CE001	August 2011 production
1. Printer	1.23	J0125615Q	
2. Master Controller	2.65a-2	J0135613P	
3. Ethernet Board	2.79	J0145614F	
Package	1.26	J0135619K	April 2010 production
1. Printer	1.21	J0125615N	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0135619J_ce001	F/W updater only (No production change)
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0135619J	April 2009 production
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0135619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0135619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	

**Reissued: 24-Nov-11**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010g
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Package	1.11	J0135619C	1st Mass production (Dec. 2007)
1. Printer	1.08	J0125615F	Not released on WEB or RISSN server.
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.29</b>	<b><i>Symptom corrected:</i></b> <b><i>Occasionally, the tray paper size is mis-detected when receiving a fax. This symptom occurs only for ver.1.28.</i></b>
1.28	Symptom corrected: Images are printed out blank or partially blank if the transport belt is smudged with ink (since this results in a paper width misdetection).  Other change: Less ink is consumed when the ink cartridge is replaced, due to modifications made to the head maintenance control.
1.26	Specification change: 1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"  Symptoms corrected: 1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this. 2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.
1.25	Specification changes: 1. Supports firmware update via a PCL driver. 2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.
1.24	Minor modification has been made.
1.22	Symptom corrected: 1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian. 2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese). 3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait"). 4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed. 5. When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out. 6. If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network. 7. If the memory reaches capacity during I-FAX reception, the remaining emails

**Reissued: 24-Nov-11**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010g
Version	Symptom Corrected		
	<p>in the POP3 server (those that have not yet been sent to the machine) are deleted.</p> <p>8. Garbled characters might be displayed in the WIM interface.</p> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> <li>Incorrect wording on the machine display when the display language is changed from English to another language.</li> <li>Incorrect wording in an ink cartridge-related display message (French only).</li> <li>The firmware was updated in order to comply with the latest revisions made</li> </ol>		

**Reissued: 24-Nov-11**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010g
Version	Symptom Corrected		
	to electrical standards in Australia, New Zealand, South Africa, and China.		
	5. Part of the email notification sent when the ink waste tank is full was incorrect.		
	6. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.		
	7. Minor issues with FAX communication/displays.		
1.11	1st Mass production		

**Reissued: 24-Nov-11**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011h
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 3rd 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 (     )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1bN.  
 Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.30</i></b>	<b><i>J0145619R</i></b>	<b><i>December 2011 production</i></b>
1. <b><i>Printer</i></b>	<b><i>1.27</i></b>	<b><i>J0145615V</i></b>	
2. <b><i>Master Controller</i></b>	<b><i>2.65a-2</i></b>	<b><i>J0135613P</i></b>	
3. <b><i>Ethernet Board</i></b>	<b><i>2.79</i></b>	<b><i>J0145614F</i></b>	
Package	1.29	J0145619Q_CE001	July 2011 production
1. Printer	1.26	J0145615T	
2. Master Controller	2.65a-2	J0135613P	
3. Ethernet Board	2.79	J0145614F	
Package	1.27	J0145619N	June 2010 production
1. Printer	1.24	J0145615R	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.26	J0145619M	April 2010 production
1. Printer	1.23	J0145615Q	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0145619L_ce001	F/W updater only (No production change)
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0145619L	April 2009 production
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0145619H	December 2008 production
1. Printer	1.19	J0145615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	

**Reissued: 24-Nov-11**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011h
Package	1.17	J0145619G	June 2008 production
1. Printer	1.16	J0145615K	
2. Master Controller	2.59c	J0135613J	
3. Ethernet Board	2.68	J0145614C	
Package	1.11	J0145619D	1st mass production (Dec. 2007)
1. Printer	1.09	J0145615F	Not released on WEB or RISSN server.
2. Master Controller	1.07f	J0135613H	
3. Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.30</b>	<b><i>Symptom corrected:</i></b> <b><i>Occasionally, the tray paper size is mis-detected when receiving a fax. This symptom occurs only for ver.1.29.</i></b>
1.29	Symptom corrected: Images are printed out blank or partially blank if the transport belt is smudged with ink (since this results in a paper width misdetection).  Other change: Less ink is consumed when the ink cartridge is replaced, due to modifications made to the head maintenance control.
1.27	Symptom corrected: Print jobs from PCL5 or 6 driver are not printed.
1.26	Specification change: 1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"  Symptoms corrected: 1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this. 2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.
1.25	Specification changes: 1. Supports firmware update via a PCL driver. 2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.
1.24	Symptom corrected: Sometimes, the power turns off while the machine is printing out an ISO test chart that was sent using a PCL driver.
1.22	Symptom corrected: 1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian. 2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese). 3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait"). 4. The wrong message is displayed when the machine detects temperature conditions outside specification limits.

**Reissued: 24-Nov-11**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011h
Version	Symptom Corrected		
	<p>Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</p> <ol style="list-style-type: none"> <li>When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li> <li>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers.</li> <li>Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol>		

**Reissued: 24-Nov-11**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011h
Version	Symptom Corrected		
	<p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li><li>2. Incorrect wording on the machine display when the display language is changed from English to another language.</li><li>3. Incorrect wording in an ink cartridge-related display message (French only).</li><li>4. The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li><li>5. Part of the email notification sent when the ink waste tank is full was incorrect.</li><li>6. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li><li>7. Minor issues with FAX communication/displays.</li><li>8. Too much ink is ejected when printing from a PCL6 driver (B/W only).</li><li>9. System error 0002 sometimes occurs when printing out from a PCL6 driver.</li></ol>		
1.11	1st mass production		

**Reissued: 02-Oct-13**

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010h
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: Y. Suzuki	
From: 3rd 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 (      )	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

This RTB has been issued to announce the firmware release information for T-MF1b.

Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.34</i></b>	<b><i>J0135619N-CE003</i></b>	<b><i>Production discontinued</i></b>
Package	1.29	J0135619N	December 2011 production
1. Printer	1.24	J0125615R	
2. Master Controller	2.65a-2	J0135613P	
3. Ethernet Board	2.79	J0145614F	
Package	1.28	J0135619M_CE001	August 2011 production
1. Printer	1.23	J0125615Q	
2. Master Controller	2.65a-2	J0135613P	
3. Ethernet Board	2.79	J0145614F	
Package	1.26	J0135619K	April 2010 production
1. Printer	1.21	J0125615N	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0135619J_ce001	F/W updater only (No production change)
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0135619J	April 2009 production
1. Printer	1.19	J0125615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0135619H	December 2008 production
1. Printer	1.18	J0125615L	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0135619G	July 2008 production
1. Printer	1.17	J0125615K	
2. Master Controller	2.60a	J0135613L	
3. Ethernet Board	2.68	J0145614C	
Package	1.17	J0135619F	June 2008 production
1. Printer	1.15	J0125615J	
2. Master Controller	2.59c	J0135613J	

**Reissued: 02-Oct-13**

Model: T-MF1b			Date: 13-Jun-08	No.: RJ012010h
3.	Ethernet Board	2.68	J0145614C	1st Mass production (Dec. 2007) Not released on WEB or RISSN server.
Package		1.11	J0135619C	
1.	Printer	1.08	J0125615F	
2.	Master Controller	1.07f	J0135613H	
3.	Ethernet Board	1.00	J0145614	

Version	Symptom Corrected
<b>1.34</b>	<b><i>Symptom corrected:</i></b> <b><i>Some fax data may be corrupted if the network speed cannot keep up with the fax processing speed.</i></b>
1.29	Symptom corrected: Rarely tray paper size is mis-detected when receiving FAX. This symptom occurs only for ver.1.28.
1.28	Symptom corrected: Images are printed out blank or partially blank if the transport belt is smudged with ink (since this results in a paper width misdetection).  Other change: Less ink is consumed when the ink cartridge is replaced, due to modifications made to the head maintenance control.
1.26	Specification change: 1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"  Symptoms corrected: 1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this. 2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.
1.25	Specification changes: 1. Supports firmware update via a PCL driver. 2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.
1.24	Minor modification has been made.
1.22	Symptom corrected: 1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian. 2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese). 3. When the printer is rebooted and the machine temperature is detected as being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait"). 4. The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed. 5. When a duplex jam occurs, the LCD icon for modem-based FAX

**Reissued: 02-Oct-13**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010h
Version	Symptom Corrected		
	<p>transmission/reception is blackened out.</p> <ol style="list-style-type: none"> <li>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>		
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>		
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added: <ul style="list-style-type: none"> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</li> </ul> </li> <li>Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</li> </ol> <p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li> </ol>		

**Reissued: 02-Oct-13**

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010h
Version	Symptom Corrected		
	<ul style="list-style-type: none"><li>2. Incorrect wording on the machine display when the display language is changed from English to another language.</li><li>3. Incorrect wording in an ink cartridge-related display message (French only).</li><li>4. The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li><li>5. Part of the email notification sent when the ink waste tank is full was incorrect.</li><li>6. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li><li>7. Minor issues with FAX communication/displays.</li></ul>		
1.11	1st Mass production		

**Reissued: 07-Jan-14**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011i
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**RTB Reissue**

The items in ***bold italics*** have been added. Some program numbers have been corrected.

Subject: Firmware Release History Controller		Prepared by: J. Mochizuki	
From: 3rd 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 (      )	

This RTB has been issued to announce the firmware release information for T-MF1bN.  
Firmware (Printer, Master Controller, Ethernet Board) will be released in one package.

	Version	Program No.	Effective Date
<b><i>Package</i></b>	<b><i>1.34</i></b>	<b><i>J0145619R-CE003</i></b>	<b><i>Production discontinued</i></b>
Package	1.30	J0145619R	December 2011 production
1. Printer	1.27	J0145615V	
2. Master Controller	2.65a-2	J0135613P	
3. Ethernet Board	2.79	J0145614F	
Package	1.29	J0145619Q_CE001	July 2011 production
1. Printer	1.26	J0145615T	
2. Master Controller	2.65a-2	J0135613P	
3. Ethernet Board	2.79	J0145614F	
Package	1.27	J0145619N	June 2010 production
1. Printer	1.24	J0145615R	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.26	J0145619M	April 2010 production
1. Printer	1.23	J0145615Q	
2. Master Controller	2.64a-2	J0135613N	
3. Ethernet Board	2.75	J0145614E	
Package	1.25	J0145619L_ce001	F/W updater only (No production change)
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c-2	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.24	J0145619L	April 2009 production
1. Printer	1.21	J0145615P	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.22	J0145619H	December 2008 production
1. Printer	1.19	J0145615M	
2. Master Controller	2.63c	J0135613M	
3. Ethernet Board	2.72	J0145614D	
Package	1.18	J0145619G	July 2008 production
1. Printer	1.18	J0145615L	
2. Master Controller	2.60a	J0135613L	

**Reissued: 07-Jan-14**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011i
3.	Ethernet Board	2.68	J0145614C
Package		1.17	J0145619G
1.	Printer	1.16	J0145615K
2.	Master Controller	2.59c	J0135613J
3.	Ethernet Board	2.68	J0145614C
Package		1.11	J0145619D
1.	Printer	1.09	J0145615F
2.	Master Controller	1.07f	J0135613H
3.	Ethernet Board	1.00	J0145614

June 2008 production

1st mass production (Dec. 2007)

Not released on WEB or RISSN server.

Version	Symptom Corrected
<b>1.34</b>	<b><i>Symptom corrected:</i></b> <b><i>Some fax data may be corrupted if the network speed cannot keep up with the fax processing speed.</i></b>
1.30	Symptom corrected: Rarely tray paper size is mis-detected when receiving FAX. This symptom occurs only for ver.1.29.
1.29	Symptom corrected: Images are printed out blank or partially blank if the transport belt is smudged with ink (since this results in a paper width misdetection).  Other change: Less ink is consumed when the ink cartridge is replaced, due to modifications made to the head maintenance control.
1.27	Symptom corrected: Print jobs from PCL5 or 6 driver are not printed.
1.26	Specification change: 1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"  Symptoms corrected: 1. The machine serial number is displayed as a 16-digit number (instead of an 11-digit number), and the machine freezes if the SP mode edit screen is used to correct this. 2. The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.
1.25	Specification changes: 1. Supports firmware update via a PCL driver. 2. Supports use of printer drivers on the following operating systems: Windows XP/Vista/Server2003/Server2008 x64 Edition.
1.24	Symptom corrected: Sometimes, the power turns off while the machine is printing out an ISO test chart that was sent using a PCL driver.
1.22	Symptom corrected: 1. Some text was displayed in English when the language was updated to Portuguese, Swedish, Danish, Norwegian, or Hungarian. 2. Wording corrections were made for the first progress dialog displayed during language update (German, French, Italian, Spanish, Dutch, Swedish, Danish, Norwegian, Portuguese and Chinese). 3. When the printer is rebooted and the machine temperature is detected as

**Reissued: 07-Jan-14**

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011i
Version	Symptom Corrected	
	<p>being out of specification limits, the machine displays "Please turn the power off and on" (It should display "Please wait").</p> <ol style="list-style-type: none"> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits. Note: If this is detected when the machine power is turned on, the machine will wait until the temperature is within normal limits before any operations can be performed.</li> <li>When a duplex jam occurs, the LCD icon for modem-based FAX transmission/reception is blackened out.</li> <li>If a POP3 server communication error occurs during I-FAX reception, following this, it is not possible to print over the network.</li> <li>If the memory reaches capacity during I-FAX reception, the remaining emails in the POP3 server (those that have not yet been sent to the machine) are deleted.</li> <li>Garbled characters might be displayed in the WIM interface.</li> </ol> <p>Other changes: The ftpd is disabled by default. This change does not affect any client functions.</p>	
1.18	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <li>Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.</li> </ol> <p>Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</p>	
1.17	<p>Specification changed:</p> <ol style="list-style-type: none"> <li>Supports FAX Forwarding: <ul style="list-style-type: none"> <li>FAX transmission/reception documents stored in machine memory can be forwarded to specified FAX numbers. Even when the machine is inoperable due to some error or other issue, all FAX documents can be forwarded.</li> </ul> </li> <li>"Copying..." is now displayed on the operation panel while the machine is performing a copy job.</li> <li>Improved the wording for the error message displayed when the duplex unit is not locked in place.</li> <li>Improved the wording for the error message displayed when a paper jam occurs.</li> <li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>Improved the wording for the message displayed when the ink cartridge is replaced.</li> <li>Supports the following display languages: <ul style="list-style-type: none"> <li>Machine display: Finnish, Czech, Hungarian, Polish</li> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese</li> </ul> </li> <li>The default display language for WIM will match whatever display language has been set for the machine operation panel.</li> <li>The following SCs were added:</li> </ol>	

**Reissued: 07-Jan-14**

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011i
Version	Symptom Corrected		
	<ul style="list-style-type: none"><li>- SC976 (Printer head error at arrival).</li><li>- SC977 (Printer head error occurs at running).</li></ul> <p>10. Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.</p> <p>Symptom corrected:</p> <ol style="list-style-type: none"><li>1. If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.</li><li>2. Incorrect wording on the machine display when the display language is changed from English to another language.</li><li>3. Incorrect wording in an ink cartridge-related display message (French only).</li><li>4. The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China.</li><li>5. Part of the email notification sent when the ink waste tank is full was incorrect.</li><li>6. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.</li><li>7. Minor issues with FAX communication/displays.</li><li>8. Too much ink is ejected when printing from a PCL6 driver (B/W only).</li><li>9. System error 0002 sometimes occurs when printing out from a PCL6 driver.</li></ol>		
1.11	1st mass production		