# Technical Bulletin

**PAGE: 1/1** 

Reissued: 24-Jan-08

Model: T-MF1a			Dat	te: 21-Jan-08		No.: RJ012001b
Subject: Firmware Release History			Prepared by: Gimpei Hirao			
From: 1st Tech. S	Support Sec. Service Support D	Dept.				
Classification:	Troubleshooting	☐ Part info	ormat	tion	☐ Action	required
		☐ Electric	al		Service	e manual revision
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	it information
	☐ Product Safety	$\boxtimes$ Other (		)		

This RTB has been issued to announce the firmware release information for the  $\underline{\text{engine for}}$   $\underline{\text{T-MF1a}}$ .

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

Version	Symptom Corrected				
1.08	Symptom corrected:				
	<ol> <li>The printer does not begin a new print job after a new ink cartridge is inserted.</li> </ol>				
	2. A misfeed sometimes occurs during print head cleaning.				
	3. The cleaning wiper sometimes scratches the head cover if a carriage jam occurs during head cleaning.				
	4. If an error occurs during head protection, the printer repeatedly performs head protection in an endless loop.				
1.05.1	1st mass production				



**PAGE: 1/1** 

Reissued: 21-Jan-08

☐ Product Safety

Model: T-MF1b		]	Date: 12-Se	p-07	No.: RJ012002a
RTB Reissue The items in <i>bo</i>	old italics have beer	n added.			
Subject: Firmwai	Prepare	Prepared by: Gimpai Hirao			
From: 1st Tech.	Support Sec. Service Su	pport Dept.			
Classification:	Troubleshooting	☐ Part infor	mation	Action	n required
	☐ Mechanical	☐ Electrical		☐ Servi	ce manual revision
	☐ Paper path	☐ Transmit/	receive	☐ Retro	fit information

This RTB has been issued to announce the firmware release information for the  $\underline{\text{engine for}}$   $\underline{\text{T-MF1b}}$ .

Other (

Version	Program No.	Effective Date
1.08	J0135619C	1st mass production (Dec. 2007)

Version	Symptom Corrected
1.08	1st mass production



**PAGE: 1/1** 

Reissued: 21-Jan-08

☐ Product Safety

Model: T-MF1b	N	D	ate: 12-Sep-07	No.: RJ012003a
RTB Reissue The items in <i>bo</i>	old italics have been	added.		
Subject: Firmwa	re Release History	Prepared by: Gimpei Hirao		
From: 1st Tech.	Support Sec. Service Sup	port Dept.		
Classification:	Troubleshooting	☐ Part inform	nation	ion required
	☐ Mechanical	☐ Electrical	☐ Ser	vice manual revision
	☐ Paper path	☐ Transmit/r	eceive $\square$ Ref	rofit information

This RTB has been issued to announce the firmware release information for the  $\underline{\text{engine for}}$   $\underline{\text{T-MFbN}}$ .

Other ( )

Version	Program No.	Effective Date
1.09	J0145619D	1st mass production (Dec. 2007)

Version	Symptom Corrected
1.09	1st mass production

Model: T-MF1 / T-MF1b / T-MF1bn Da			Dat	te: 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:	☐ Troubleshooting	☐ Part informa		tion		n required
	☐ Mechanical	☐ Electric	al		☐ Service	ce manual revision
	☐ Paper path	per path		eive	Retro	fit information
	Other ( )					

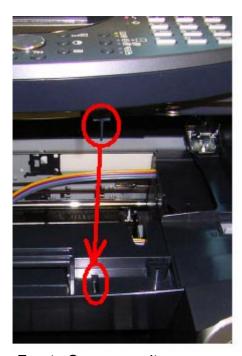
## **Symptom**

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

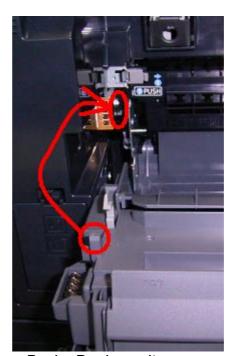
#### Cause

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.

**PAGE: 1/1** 

Model: T-MF1 / T-MF1b / T-MF1bn Dat			ite: 12-Oct-07		No.: RJ012005	
Subject: Service		Prepared by: G. Hirao				
From: 1st Tech. S	Support Sec. Service Support	Dept.				
Classification:	☐ Troubleshooting	☐ Part info	rmat	tion	☐ Action	required
	☐ Mechanical	☐ Electrica	al		⊠ Service	e manual revision
	☐ Paper path	☐ Transmi	t/rec	eive	Retrofi	it information
	☐ 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:	Paper Misfeed: Upper Cover
Jam	The carriage was prevented from reaching its target position within the prescribed time.
Cause:	<ul> <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> 1 +</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.

## Technical Bulletin

**PAGE: 1/1** 

Model: T-G1s/T-G1W/T-MF1 Date					)7	No.: RJ012006
Subject: SC 979					d by: Y. N	Murata
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:		☐ Part info	orma	tion	Action	n required
	☐ Mechanical	☐ Electric	al		☐ Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	Retrof	fit information
	☐ Product Safety	☐ 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 lnk 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.

# Technical Bulletin

RICOH	ecnnicai <b>B</b>	ull	etin	PAGE: 1/1	
Model: T-MF1 / T-MF1b / T-MF1bn				te: 10-Jan-08	No.: RJ012007
Subject: Service	e Manual Revision			Prepared by: G.	Hirao
From: 1st Tech. Support Sec. Service Support Dept.					
Classification:	☐ Troubleshooting	Part info	rma	tion	n required
	☐ Mechanical	☐ Electrica	al	⊠ Servi	ce manual revision
	☐ Paper path	☐ Transmi	t/rec	eive 🗌 Retro	fit information
	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	At Icasi 55 K sheets			
	3 Years (average), 5 Years (maximum)			
Estimated Service Life	Duty: 150 K			
Monthly print volume: 10 K sheets			K sheets	

#### Correct

	Page / Job	Expected Replacement Period	Yield of Ink Collector Unit
Ink Collector Unit	1 P/J	22.1 months	16.6K prints
mik concetor cint	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).

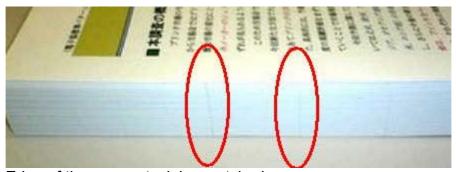
Model: T-MF1 Date					.08	No.: RJ012008
Subject: "Nozzle cover and plate cleaning"				Prepared by: Y.Murata		
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:		☐ Part informa		tion		required
		☐ Electrical			☐ Service	ce manual revision
	☐ Paper path	☐ Transmit/rec		eive	☐ Retrof	fit information
	Other ( )				⊠ 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



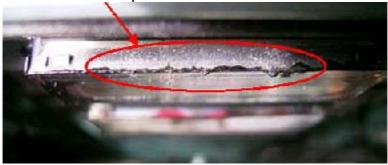
Edge of the paper stack is scratched



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.

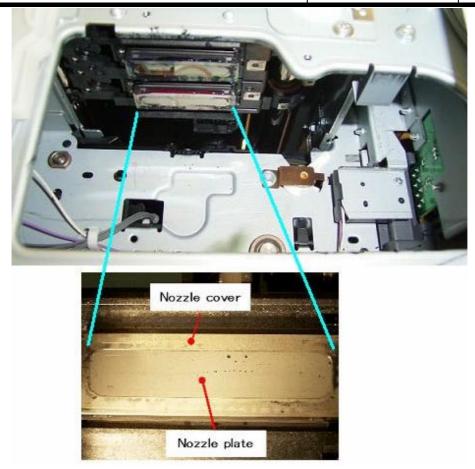
**Note:** For the procedure, see the Toscana-P1 Service Manual (pg. 64), Toscana-C1 Service Manual (pg. 94), or Toscana-P1 s/W Service Manual (pg. 99).

3. Return the carriage to its home position.

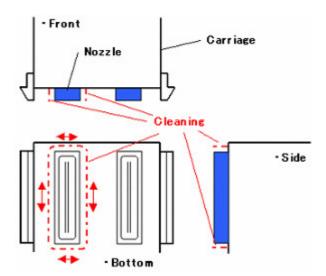
**Note:** You will then see the nozzle cover and nozzle plate.



Model: T-MF1 Date: 15-May-08 No.: RJ012008



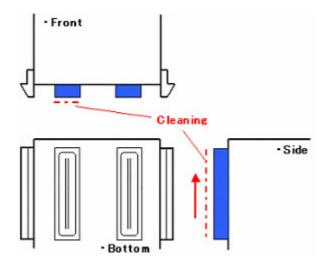
4. Clean each side of the nozzle twice with a slightly damp cloth. **Important:** Move the cloth back and forth along the surface.



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.



РΑ	GE:	1/2
	$\sim$	

Model: T-MF1a		te: 13-Jun-(	08	No.: RJ012009	
RTB Reissue The items in <b>bo</b>	old italics have been add	led.			
Subject: Firmwar	e Release History		Prepared by: Y. Murata		
From: 1st Tech. S	Dept.				
Classification:	Troubleshooting	☐ Part informa	ntion	Action	required
	☐ Mechanical	☐ Electrical		☐ Servic	e manual revision
	☐ Paper path ☐ Transmit/re		ceive	Retrofi	it information
	☐ Product Safety	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
Pa	ckage	1.17	J0125619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0125613G	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0125619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07e	J0125613F	server.
3.	Ethernet Board	1.00	J0145614	Jerver.

**PAGE: 2/2** 

Model: T-MF	1a	Date: 13-Jun-08	No.: RJ012009				
Version	Sympton	Symptom Corrected					
Version 1.17	<ol> <li>Specification changed:</li> <li>"Copying" is now displayed of machine is performing a copy joing.</li> <li>Improved the wording for the end duplex unit is not locked in placed.</li> <li>Improved the wording for the end jam occurs.</li> <li>Supports the Divide and Send End each individual email).</li> <li>Improved the wording for the machine display: Finnish, Canteridge is replaced.</li> <li>Supports the following display:         <ul> <li>Machine display: Finnish, Cantering.</li> <li>Web Image Monitor: Russian Chinese</li> </ul> </li> <li>The default display language for language has been set for the machine set for the machine set for the machine functions developed for setting the destination code to consettings.</li> </ol>	on the operation panel ob.  rror message displayers.  rror message displayers  Email feature (incl. set all all all all all all all all all al	ed when the ed when a paper ting the size of en the ink sh garian, Polish, tever display el.				
	If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.  Incorrect wording on the machine display when the display language is changed from English to another language.  Incorrect wording in an ink cartridge-related display message (French only).  Part of the email notification sent when the ink waste tank is full was incorrect.  An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.						
1.11	1st mass production		_				



**PAGE: 1/2** 

Model: T-MF1b		te: 13-Jun-08	No.: RJ012010		
RTB Reissue The items in <b>b</b> o	old italics have been add	led.			
Subject: Firmwa	re Release History		Prepared by: Y. Murata		
From: 1st Tech.	Support Sec. Service Support	Dept.			
Classification:	☐ Troubleshooting       ☐ Part information         ☐ Mechanical       ☐ Electrical         ☐ Paper path       ☐ Transmit/red         ☐ Product Safety       ☐ Other (			Action required Service manual revision 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
Package		1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0135619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615J	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	301701.

**PAGE: 2/2** 

Model: T-MF1	<u></u>	Date: 13-Jun-08	No.: RJ012010		
Version	Sympto	Symptom Corrected			
1.17	Specification changed:  1. Supports fax forwarding:  - Fax transmission/reception of can be forwarded to specifie Even when the machine is in issue, all fax documents can be forwarded to specifie Even when the machine is in issue, all fax documents can can be forwarded to specifie Even when the machine is in issue, all fax documents can can copy journachine is performing a copy journachine is performing for the end can compare when wording for the end jam occurs.  5. Supports the Divide and Send Endeath individual email).  6. Improved the wording for the machine display: Finnish, Can can be following is replaced.  7. Supports the following display: Finnish, Can when the following is replaced.  8. The default display language for language has been set for the machine set for the machine set for the machine functions developed for setting the destination code to consettings.	documents stored in rad fax numbers. Inoperable due to some in be forwarded. In the operation panel ibb. Irror message displayers. Irror message dis	e error or other while the ed when the ed when a paper ing the size of en the ink h garian, Polish, ever display el.		
1.11	Symptom corrected:  1. If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.  2. Incorrect wording on the machine display when the display language is changed from English to another language.  3. Incorrect wording in an ink cartridge-related display message (Frenconly).  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.  1.11				



**PAGE: 1/2** 

Model: T-MF1bl	N	Da	te: 13-Jan-08	No.: RJ012011
RTB Reissue The items in <b>b</b> o	old italics have been add	ed.		
Subject: Firmwar	re Release History		Prepared by: Y. Murata	
From: 1st Tech. S	Support Sec. Service Support D	Dept.		
Classification:	Troubleshooting	☐ Part informa	tion	Action required
	☐ Mechanical	☐ Electrical		Service manual revision
	☐ Paper path	☐ Transmit/red	eive $\square$	Retrofit information
	☐ Product Safety	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
Pac	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0145619D	1st mass production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	301 (01.

**PAGE: 2/2** 

Model: T-MF1	bN	Date: 13-Jan-08	No.: RJ012011			
Version	Sympto	m Corrected				
1.17 Specification changed: 1. Supports Fax Forwarding: - Fax transmission/reception documents stored in machine n can be forwarded to specified Fax numbers. Even when the machine is inoperable due to some error or						
	issue, all Fax documents ca 2. "Copying" is now displayed of machine is performing a copy jo	Even when the machine is inoperable due to some error or other issue, all Fax documents can be forwarded.  "Copying" is now displayed on the operation panel while the machine is performing a copy job.				
	<ul><li>3. Improved the wording for the eduplex unit is not locked in place.</li><li>4. Improved the wording for the eduple.</li></ul>	ce.				
	jam occurs. 5. Supports the Divide and Send E					
	each individual email).  6. Improved the wording for the name cartridge is replaced.	nessage displayed who	en the ink			
	7. Supports the following display - Machine display: Finnish, C	Supports the following display languages: - Machine display: Finnish, Czech, Hungarian, Polish - Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish,				
	<ul><li>8. The default display language for WIM will match whatever display language has been set for the machine operation panel.</li><li>9. The following SCs were added:</li></ul>					
	- SC977 (Printer head error of 10. Machine functions developed for	<ul> <li>SC976 (Printer head error at arrival).</li> <li>SC977 (Printer head error occurs at running).</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> </ul>				
	<ol> <li>Symptom corrected:</li> <li>If the printing data includes an stopped and communication with the stopped and stop</li></ol>	th the PC is cut. ine display when the d ther language.	isplay language			
	only). 4. The firmware was updated in ormade to electrical standards in and China. 5. Part of the email notification se	Australia, New Zealand	d, South Africa,			
	incorrect. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters. Minor issues with fax communication/displays.					
	<ol> <li>Too much ink is ejected when p</li> <li>System error 0002 sometimes of driver.</li> </ol>					
1.11	1st mass production					



**PAGE: 1/1** 

Reissued: 15-Jul-08

Model: T-MF1a			Dat	Date: 12-Sep-07 No		No.: RJ012001c
Subject: Firmware Release History				Prepare	d by: Y. N	Murata
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:	☐ Troubleshooting	☐ Part info	ormat	tion	Action	n required
	☐ Mechanical ☐ Electrica		al		Service	ce manual revision
☐ Paper path ☐ Transmi		it/rec	eive	☐ Retrof	fit information	
	☐ Product Safety	$oxed{\boxtimes}$ 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.



**PAGE: 1/1** 

Reissued: 15-Jul-08

Model: T-MF1b			Dat	ate: 12-Sep-07 No.: RJ0120		No.: RJ012002b
Subject: Firmware Release History				Prepare	d by: Y. N	Murata
From: 1st Tech. S	Support Sec. Service Support I	Dept.				
Classification:	Troubleshooting	☐ Part info	ormat	tion	Action	required
☐ Mechanical ☐ Electrical		al		Service	ce manual revision	
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	fit information
	☐ Product Safety	$\boxtimes$ 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.



**PAGE: 1/1** 

Reissued: 15-Jul-08

Model: T-MF1bN			Dat	e: 12-Sep	-07	No.: RJ012003b
Subject: Firmware Release History				Prepare	d by: Y. N	Murata
From: 1st Tech. S	Support Sec. Service Support I	Dept.				
Classification:	☐ Troubleshooting	☐ Part info	ormat	tion	Action	n required
		☐ Electric	al		Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	fit information
	☐ Product Safety	$\boxtimes$ 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.

# Technical Bulletin

**PAGE: 1/2** 

Reissued: 15-Jul-08

Model: T-MF1a Date: 13-Jun-08 No.: RJ012009a	DTD Deiseus		
	Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009a

#### 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:	☐ Troubleshooting	☐ Part information	tion	Action required		
	☐ Mechanical	☐ Electrical		☐ Service manual revision		
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information		
	☐ Product Safety	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
Pac	ckage	1.18	J0125619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0125613J	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.17	J0125619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0125613G	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.11	J0125619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07e	J0125613F	server.
3.	Ethernet Board	1.00	J0145614	3CIVCI.

Version	Symptom Corrected		
1.18	<ul> <li>Symptom corrected:</li> <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> </ul>		
	Other changes: 1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.		

# Technical Bulletin

**PAGE: 2/2** 

Reissued: 15-Jul-08

Model: T-M	F1a	Date: 13-Jun-08	No.: RJ012009a		
Version	Symp	om Corrected			
1.17	<ol> <li>Specification changed:</li> <li>"Copying" is now displayed on performing a copy job.</li> <li>Improved the wording for the erron not locked in place.</li> <li>Improved the wording for the erron occurs.</li> <li>Supports the Divide and Send Erron individual email).</li> <li>Improved the wording for the mereplaced.</li> <li>Supports the following display lar - Machine display: Finnish, Czer - Web Image Monitor: Russian,</li> <li>The default display language for has been set for the machine ope</li> <li>The following SCs were added: - SC976 (Printer head error at a SC977 (Printer head error occurs)</li> <li>Machine functions developed for the destination code to China and</li> </ol>	he operation panel while or message displayed when mail feature (incl. setting the sage displayed when the guages: ch, Hungarian, Polish Finnish, Czech, Hungaria WIM will match whatever ration panel.  Irrival).  Irrival).  Irrival china model can be estimated when the estimate the control of the control o	en the duplex unit is en a paper jam ne size of each ink cartridge is an, Polish, Chinese display language		
	<ol> <li>Symptom corrected:</li> <li>If the printing data includes an image of a certain size, the print job is stopp 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 incorred.</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				

# Technical Bulletin

**PAGE: 1/2** 

Reissued: 15-Jul-08

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

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

Subject: Firmwar	re Release History		Prepared	d by: Y. Murata
From: 1st Tech. 9	Support Sec. Service Support I	Dept.		
Classification:	☐ Troubleshooting	☐ Part informat	tion	Action required
	☐ Mechanical	☐ Electrical		☐ Service manual revision
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information
	☐ Product Safety	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
Pac	ckage	1.18	J0135619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.11	J0135619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615J	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	301 vc1.

Version	Symptom Corrected					
1.18	<ol> <li>Symptom corrected:</li> <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>					
	Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.					

**PAGE: 2/2** 

Reissued: 15-Jul-08

Model: T-MF1I	b	Date: 13-Jun-08	No.: RJ012010a
Version	Sympto	om Corrected	
1.17	Specification changed:  1. Supports Fax Forwarding:  - Fax transmission/reception can be forwarded to specific Even when the machine is issue, all fax documents can be forwarded to specific Even when the machine is issue, all fax documents can be forwarded to specific Even when the machine is now displayed machine is performing a copy journation of the wording for the eduplex unit is not locked in placed.  Improved the wording for the eduplex unit is not locked in placed.  Improved the wording for the eduplex unit is not locked in placed.  Improved the wording for the eduplement of	documents stored in led fax numbers. inoperable due to some in be forwarded. on the operation panel ob. error message displayed error message displayed error message displayed who languages: exech, Hungarian, Polisin, Finnish, Czech, Hungarian, Polisin, Finnish, Czech, Hungarian panel error message displayed who will match what is arrival. execus at running). or the China model call	te error or other  I while the  ed when the  ed when a paper  ting the size of  en the ink  sh  ngarian, Polish,  tever display  nel.
	<ol> <li>Symptom corrected:</li> <li>If the print data includes an imstopped and communication with stopped and stopped in an ink carrolly).</li> <li>The firmware was updated in own and china.</li> <li>Part of the email notification segment in incorrect.</li> <li>An Address Book Restore perform the Address Book contours.</li> <li>Minor issues with fax communication and communication.</li> </ol>	ith the PC is cut.  Inine display when the content of the language.  Itridge-related display order to comply with the language.  Australia, New Zealand order the language.  Int when the ink waster ormed from WIM some than character.	display language message (French e latest revisions ed, South Africa, e tank is full was
1.11	1st mass production		

# Technical Bulletin

**PAGE: 1/2** 

Reissued: 15-Jul-08

Model: T-MF1bN Da			Dat	e: 13-Jan-	80	No.: RJ012011a
RTB Reissue The items in <b>bo</b>	old italics have been ad	ded.				
Subject: Firmware Release History				Prepared by: Y. Murata		
From: 1st Tech. S	Support Sec. Service Support	Dept.				
Classification:	Troubleshooting	☐ Part info	ormat	tion	☐ Action	required
	☐ Mechanical	☐ Electric	al		☐ Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	fit information
	☐ Product Safety	$oxed{\boxtimes}$ 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
Pac	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.11	J0145619D	1st mass production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	COLVEL.

Version	Symptom Corrected				
1.18	<ol> <li>Symptom corrected:</li> <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>				
	Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.				

**PAGE: 2/2** 

Reissued: 15-Jul-08

Model: T-MF1I	bN	Date: 13-Jan-08	No.: RJ012011a				
Version	Symptom Corrected						
1.17	Specification changed:  1. Supports FAX Forwarding:  - FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be forwarded to sperforming a copy job.  2. "Copying" is now displayed on the performing a copy job.  3. Improved the wording for the error is not locked in place.  4. Improved the wording for the error occurs.  5. Supports the Divide and Send Emaindividual email).  6. Improved the wording for the mest replaced.  7. Supports the following display language.  - Machine display: Finnish, Czect.  - Web Image Monitor: Russian, In Chinese  8. The default display language for Whas been set for the machine operation.  9. The following SCs were added:  - SC976 (Printer head error at an SC977 (Printer head error occur).  10. Machine functions developed for the destination code to China and severage in the section of the destination code to China and severage in the section of the destination code to China and severage in the section of the destination code to China and severage in the section of the destination code to China and severage in the section of the destination code to China and severage in the section of the section of the destination code to China and section of the section of t	cuments stored in mach numbers. perable due to some erwarded. The operation panel while message displayed when the sage displayed whatever atting a sage displayed when the sa	ror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is ian, Polish, display language				
1.11	<ol> <li>stopped and communication with the stopped and communication with the stopped are changed from English to another later and a stopped and in English to another later and a stopped and in an ink cartridged. The firmware was updated in order to electrical standards in Australia, and a standards</li></ol>	If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.  Incorrect wording on the machine display when the display language is changed from English to another language.  Incorrect wording in an ink cartridge-related display message (French only). The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China. Part of the email notification sent when the ink waste tank is full was incorrect.  An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.  Minor issues with FAX communication/displays.  Too much ink is ejected when printing from a PCL6 driver (B/W only).  System error 0002 sometimes occurs when printing out from a PCL6 driver.					

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:		☐ Part informa		tion 🗵 Act	on required
		☐ Electrical		☐ Ser	vice manual revision
	☐ Paper path ☐ Transmit/re		☐ Transmit/receive ☐ Ret		rofit information
	☐ Other ( )			⊠ Tie	2

## **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 lnk 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 lnk 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 Controlle	er	V2.59c				
NIC:		V2 68				

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



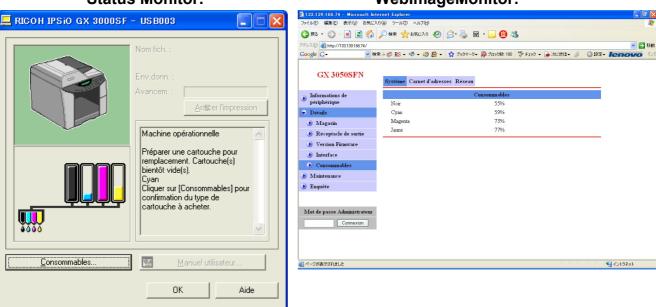
Model: T-MF1 Date: 2-Jul-08 No.: RJ012012

#### Workaround

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





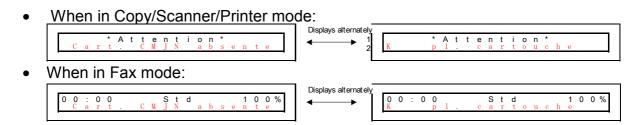




Model: T-MF1 Date: 2-Jul-08 No.: RJ012012

## **Examples of the incorrect displays:**

## 1. If one cartridge is not installed:



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

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



## Technical Bulletin

P 1

Model: All GelSprinter models Date			ate: 26-Aug-08		No.: RJ007024		
Subject: GJ analysis tool		Prepared by: Y.Murata		lurata			
From: 1st Tech. Support Sec. Service Support Dept.							
Classification:	Troubleshooting	☐ Part informa		ation		required	
		☐ Electrical		☐ Electrical ☐ S		Service	e manual revision
	☐ Paper path ☐ Transmit/rec		eive	☐ Retrof	fit information		
	Other ( )				☐ 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.

## Technical Bulletin

Model: T-MF1	Dat	ate: 28-Aug-08		No.: RJ012013		
Subject: Procedure of Plotter Unit Replacement				Prepared by: Y.Murata		
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:	Troubleshooting	☐ Part informa		tion		required
		☐ Electrical			☐ Service manual revision	
	☐ Paper path	☐ Transmit/red		mit/receive		fit information
	Other ( )				⊠ 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	Description			
Number				
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, procede to Step 2.	<service summary=""> Enter to SP Mode ⇒ Service Menu ⇒ Execute "Service Summary".</service>
2	Write down the following two numbers in the spaces provided to the right:  Serial Number Bit switch settings (#1-8)  Serial Number:  Bit switches #1-	<ul> <li>If you were able to print out the Service Summary in Step 1:         Service Summary : System Reference : Machine ID     </li> <li>Selt switches #1-8&gt;         Service Summary : Bit Switch     </li> <li>If you were not able to print out the Service Summary in Step 1:         Serial Number&gt;     </li> <li>Rating Plate</li> </ul>
3	Remove the following from the machine: Left and right covers, scanner unit, rear cover, ink cartridge cover, ink collection unit cover, paper tray.  IMPORTANT: DO NOT remove the rating plate attached to the rear cover or S/N decal attached to the ink cartridge cover.  Remove the following from the new plotter unit: Dummy scanner unit, left and right covers, rear cover, ink	IMPORTANT: 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  SerialNum ber Decal
4	cartridge cover, dummy paper tray.  Attach the parts that you removed in Step 3 to the new plotter unit.	IMPORTANT:  - 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.
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 ink cartridge packaged with the new plotter unit (NOT the user's cartridge).
6	Restore the Serial Number in memory to the number that you wrote down in Step 1 above.	Enter to SP Mode  ⇒ Service Menu  ⇒ Serial No. Edit  Note: The purpose of this step is to make sure a record is kept of the serial number of the original plotter unit.
7	Store the Bit switch settings you wrote down in Step 2 inside the memory of the machine.	Enter to SP Mode  ⇒ Service Menu  ⇒ Bit Switch  ⇒ Input the settings for Bit switches #1-8 (default: 0).
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  ——	SP Mode  ⇒ Engine Maint.  ⇒ Execute SP No. 5200 (SMC) <dummy number=""> SMC: DUMMY_NO  Note: 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.</dummy>
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).	IMPORTANT: 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.  Seal with # of new unit inside Attach the seal here.
11	Check the image quality and perform any necessary adjustments.	Print Nozzle Check Pattern, Head Postion, Registration, Paper Feed and adjust them if neccessary.

## Technical Bulletin

**PAGE: 1/3** 

Model: T-MF1 Da				te: 22-Sep-08		No.: RJ012014
Subject: Ink yield improvment firmware				Prepared by: Y.Murata		
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:	lassification: Troubleshooting Part inform		ormat	nation		required
		☐ Electrical			☐ Service manual revisi	
	☐ Paper path	☐ Transmit/red		eceive		fit information
	☑ Other (Notice)				⊠ 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

		Туре	Objective	Timing	Amount of Ink Consumption	
1		Pre Print 1		Every printing Job	0.05 pages	
2		Pre Print 2	Drawant Hand Dried	Every 336 pages printing	12 pages	
3	Ata	Pre Print 3	Prevent Head Dried	10 hrs after last printing Job	1.2 pages	
4	Automatic	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	iviai luai	Flushing	Remove Blockage from head	when it is neseccary	85 pages	

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

**PAGE: 2/3** 



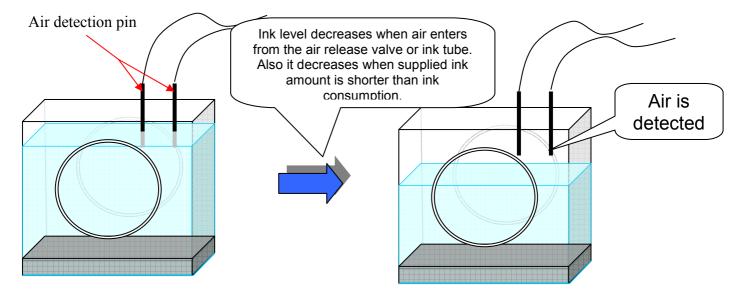
**PAGE: 3/3** 

Model: T-MF1 Date: 22-Sep-08 No.: RJ012014

#### 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 >



# Technical Bulletin

<b>PAGE: 1/1</b>

Model: T-MF1 Date				te: 7-Oct-08		No.: RJ012015
Subject: "Fax transmission error"				Prepared by: Y.Murata		
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:	fication:  Troubleshooting  Part inform		orma	ion		n required
	☐ Mechanical	☐ Electrical		☐ Service		ce manual revision
	☐ Paper path			nit/receive		fit information
	Other ( )				⊠ Tier2	

## **Symptom**

Fax transmission fails and Error 0091 is displayed.

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

# \*Comm. Error\* (####) Copy mode STD 100% 1 [[A] 1 A4 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).

$\mathbf{D}$		$\mathbf{a}$
	L	JN

**PAGE: 1/1** 

Model: T-MF1 Date			ate: 23-Oct-08		No.: RJ012016a	
Subject: S001			Prepared	by: Y.M	lurata	
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:		☐ Part inf	ormat	tion	☐ Action	required
	☐ Mechanical ☐ Electrical			☐ Service	ce manual revision	
	☐ Paper path ☐ Transmit/reco		eive	☐ Retrof	fit information	
	Other ( )				⊠ Tier2	

### **Symptom**

"Warning: System Error (S001)"

### Cause

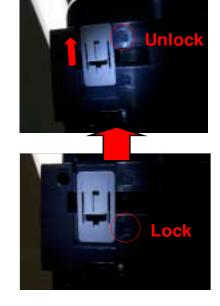
The lock lever of the scanner unit is not in the unlocked position, or the scanner unit is defective.

### **Solution**

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

scanner unit.







**PAGE: 1/2** 

Reissued: 17-Apr-09

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

#### **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:	<ul><li>☐ Troubleshooting</li><li>☐ Mechanical</li><li>☐ Paper path</li><li>☐ Other ( )</li></ul>	☐ Part informa ☐ Electrical ☐ Transmit/rec		<ul><li>☐ Action required</li><li>☐ Service manual revision</li><li>☐ Retrofit information</li><li>☐ Tier2</li></ul>

### **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.** 



**PAGE: 2/2** 

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.



PAGE: 1/3

Reissued: 18-Dec-08

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

### RTB Reissue

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

Subject: Firmware Release History Controller				d by: Y. Murata
From: 1st Tech. Support Sec. Service Support Dept.				
Classification:	☐ Troubleshooting	☐ Part information	tion	☐ Action required
	☐ Mechanical	☐ Electrical		☐ Service manual revision
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information
	☐ Product Safety	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
Pac	ckage	1.22	J0125619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0125619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0125613J	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0125619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0125613G	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0125619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07e	J0125613F	server.
3.	Ethernet Board	1.00	J0145614	301 VC1.



**PAGE: 2/3** 

Reissued: 18-Dec-08

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

Version	Symptom Corrected
1.22	<ol> <li>Symptom corrected:         <ol> <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> </ol> </li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits.         <ol> <li>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>Garbled characters might be displayed in the WIM interface.</li> </ol> </li> </ol>
	The ftpd is disabled by default. This change does not affect any client functions.
1.18	<ol> <li>Symptom corrected:</li> <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>
	Other changes:  1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.



Reissued: 18-Dec-08

## Technical Bulletin

DUIIETIN PAGE: 3/3

Model: T-MF1a Date: 13-Jun-08 No.: RJ012009b **Symptom Corrected** Version 1.17 Specification changed: "Copying..." is now displayed on the operation panel while the machine is performing a copy job. 2. Improved the wording for the error message displayed when the duplex unit is not locked in place. 3. Improved the wording for the error message displayed when a paper jam occurs. 4. Supports the Divide and Send Email feature (incl. setting the size of each individual email). Improved the wording for the message displayed when the ink cartridge is replaced. 6. Supports the following display languages: Machine display: Finnish, Czech, Hungarian, Polish Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese 7. The default display language for WIM will match whatever display language has been set for the machine operation panel. The following SCs were added: 8. SC976 (Printer head error at arrival). SC977 (Printer head error occurs at running). Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings. Symptom corrected: If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut. 2. Incorrect wording on the machine display when the display language is changed from English to another language. 3. Incorrect wording in an ink cartridge-related display message (French only). Part of the email notification sent when the ink waste tank is full was incorrect. 4. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters. 1.11 1st mass production



**PAGE: 1/3** 

Reissued: 18-Dec-08

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

### **RTB Reissue**

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

Subject: Firmware Release History Controller				d by: Y. Murata
From: 1st Tech. Support Sec. Service Support Dept.				
Classification:	☐ Troubleshooting	☐ Part information	tion	Action required
		☐ Electrical		☐ Service manual revision
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information
	☐ Product Safety	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
Pac	ckage	1.22	J0135619H	December 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.63c	J0145613M	
3.	Ethernet Board	2.72	J0135614D	
Pag	ckage	1.18	J0135619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0135619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615J	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	- server.
3.	Ethernet Board	1.00	J0145614	301 (01.



Model: T-MF1b

# Technical Bulletin

**PAGE: 2/3** Reissued: 18-Dec-08

Date: 13-Jun-08

No.: RJ012010b

Version	Symptom Corrected
1.22	<ol> <li>Symptom corrected:</li> <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> <li>Other changes:         The ftpd is disabled by default. This change does not affect any client functions.     </li> </ol>
1.18	<ol> <li>Symptom corrected:</li> <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> <li>Other changes:         <ul> <li>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li> </ul> </li> </ol>



**PAGE: 3/3** 

Reissued: 18-Dec-08

Model: T-MF1b		Date: 13-Jun-08	No.: RJ012010b		
Version	Symptom Corrected				
1.17	<ol> <li>Specification changed:         <ul> <li>Supports FAX Forwarding:</li> <li>FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be for 2. "Copying" is now displayed on the performing a copy job.</li> </ul> </li> <li>Improved the wording for the error is not locked in place.</li> <li>Improved the wording for the error occurs.</li> <li>Supports the Divide and Send Emaindividual email).</li> <li>Improved the wording for the messen replaced.</li> <li>Supports the following display lange.</li></ol>	Supports FAX Forwarding:  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.  "Copying" is now displayed on the operation panel while the machine is performing a copy job.  Improved the wording for the error message displayed when the duplex unit is not locked in place.  Improved the wording for the error message displayed when a paper jam occurs.  Supports the Divide and Send Email feature (incl. setting the size of each individual email).  Improved the wording for the message displayed when the ink cartridge is replaced.  Supports the following display languages:  Machine display: Finnish, Czech, Hungarian, Polish  Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese  The default display language for WIM will match whatever display language has been set for the machine operation panel.			
	<ol> <li>Symptom corrected:</li> <li>If the printing data includes an imastopped and communication with the stopped and communication with the changed from English to another later and the stopped and communication with the changed from English to another later and the stopped and the stopped and the cartridge and the stopped and the stoppe</li></ol>	he PC is cut. display when the display anguage. ge-related display mess r to comply with the late New Zealand, South A when the ink waste tank ed from WIM sometime characters.	ay language is sage (French only). est revisions made frica, and China. is full was		



**PAGE: 1/3** 

Reissued: 18-Dec-08

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

### **RTB Reissue**

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

Subject: Firmware Release History Controller			Prepared by: Y. Murata	
From: 1st Tech. S	Support Sec. Service Support [	Dept.		
Classification:	☐ Troubleshooting	☐ Part informat	tion	☐ Action required
		☐ Electrical		☐ Service manual revision
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information
	☐ Product Safety	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
Pac	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0125615M	-
2.	Master Controller	2.63c	J0145613M	
3.	Ethernet Board	2.72	J0135614D	
Pag	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.11	J0145619D	1st mass production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	- server.
3.	Ethernet Board	1.00	J0145614	301 701.



**PAGE: 2/3** 

Reissued: 18-Dec-08

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

Version	Symptom Corrected
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 in the POP3 server (those that have not yet been sent to the machine) are deleted.  8. Garbled characters might be displayed in the WIM interface.  Other changes:  1. The ftpd is disabled by default. This change does not affect any client
	functions.
1.18	<ul> <li>Symptom corrected:</li> <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> </ul>
	Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.



**PAGE: 3/3** 

Reissued: 18-Dec-08

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011b		
Version	Symptor	n Corrected			
1.17	Specification changed:  1. Supports FAX Forwarding:  - FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be forwarded:  2. "Copying" is now displayed on the performing a copy job.  3. Improved the wording for the error is not locked in place.  4. Improved the wording for the error occurs.  5. Supports the Divide and Send Emaindividual email).  6. Improved the wording for the messent individual email).  6. Improved the wording for the messent individual email.  - Machine display: Finnish, Czecter Web Image Monitor: Russian, In Chinese  8. The default display language for Web Image Monitor: Russian, In Chinese  9. The following SCs were added:  - SC976 (Printer head error at an exception of the machine operators).	orts FAX Forwarding: AX 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.  Bying" is now displayed on the operation panel while the machine is rming a copy job.  By oved the wording for the error message displayed when the duplex unit a locked in place.  By oved the wording for the error message displayed when a paper jam are.  By oved the bivide and Send Email feature (incl. setting the size of each dual email).  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the message displayed when the ink cartridge is ced.  By oved the wording for the error message displayed when the size of each dual email.  By oved the wording for the error message displayed when the duplex unit to cover the size of each dual email.  By oved the wording for the error message displayed when the duplex unit to cover the machine is			
1.11	<ol> <li>stopped and communication with the stopped and communication with the stopped are changed from English to another later and a stopped and in an ink cartridged. The firmware was updated in order to electrical standards in Australia, part of the email notification sent wincorrect.</li> <li>An Address Book Restore perform the Address Book contains certain Minor issues with FAX communications. Too much ink is ejected when print</li> </ol>	ne printing data includes an image of a certain size, the print job is sped and communication with the PC is cut.  Dependent of the machine display when the display language is neged from English to another language.  Dependent wording in an ink cartridge-related display message (French only). If the firmware was updated in order to comply with the latest revisions made electrical standards in Australia, New Zealand, South Africa, and China. It is of the email notification sent when the ink waste tank is full was errect.  Address Book Restore performed from WIM sometimes fails if an entry in Address Book contains certain characters. Our issues with FAX communication/displays.  The much ink is ejected when printing from a PCL6 driver (B/W only). The printing out from a PCL6 driver.			

### Technical Bulletin

Reissued:16-Feb-09

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

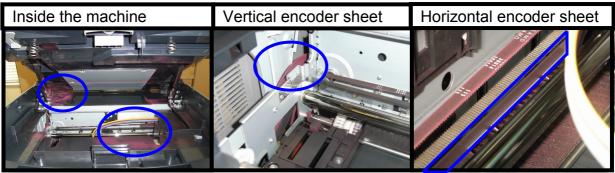
#### RTB REISSUE

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

Subject: Ink mist			Prepared	d by: Y. Murata
From: 1st Tech. S	Support Sec. Service Support [	Dept.		
Classification:	<ul><li>☑ Troubleshooting</li><li>☑ Mechanical</li><li>☑ Paper path</li><li>☑ Product Safety</li></ul>	☐ Part informat ☐ Electrical ☐ Transmit/rec		<ul><li>☐ Action required</li><li>☐ Service manual revision</li><li>☐ Retrofit information</li></ul>

#### **SYMPTOM**

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



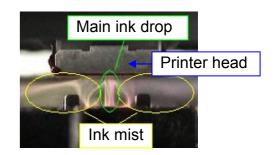
#### Note:

- 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



**PAGE: 1/2** 

## Technical Bulletin

**PAGE: 2/2** 

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).

## Technical Bulletin

**PAGE: 1/2** 

Model: T-MF1		Date: 2-Mar-09		9	No.: RJ012019	
Subject: "SC999 at instllaition only"		Prepared by: Y.Yoshida		oshida		
From: 1st Tech. S	Support Sec. Service Support I	Dept.				
Classification:		☐ Part info	orma	tion	Action	n required
		☐ Electric	al		Service	ce manual revision
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	fit information
	Other ( )				⊠ Tier2	

### **Symptom**

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

#### Cause

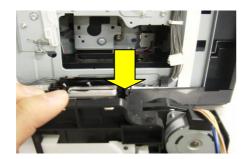
On the production line for the maintenance unit stepping motor (third vendor), the adhesive-drying step was skipped in some cases. As a result, the adhesive inside the motor could not vaporize correctly, causing the gear to stick to the shaft.

**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.

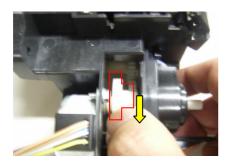
#### Solution

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.





**PAGE: 2/2** 

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

	П

**PAGE: 1/1** 

Model: T-MF1			Da	ate: 12-Mar-09		No.: RJ012020
Subject: Service Manual Revision				Prepared by: Y.Murata		
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:	☐ Troubleshooting	☐ Part infor	rmat	tion	Action	required
	☐ Mechanical	☐ Electrical	I		⊠ Service	e manual revision
	☐ Paper path	☐ Transmit	/rec	eive	☐ Retrofi	it information
	☐ Other ( )					

### **Service Manual Revision**

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

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



**PAGE: 1/3** 

Reissued: 24-Apr-09

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

#### **RTB Reissue**

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

***************************************			9	
Subject: Firmware Release History Controller			Prepared	d by: Y. Murata
From: 1st Tech.	Support Sec. Service Support I	Dept.		
Classification:	Troubleshooting	☐ Part information	tion	Action required
	☐ Mechanical	☐ Electrical		☐ Service manual revision
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information
	☐ Product Safety	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
Package		1.24	J0125619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Mater Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0125619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0125619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0125613J	
3.	Ethernet Board	2.68	J0145614C	
Pac	ckage	1.17	J0125619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0125613G	
3.	Ethernet Board	2.68	J0145614C	
Pac	ckage	1.11	J0125619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07e	J0125613F	- server.
3.	Ethernet Board	1.00	J0145614	301701.

Version	Symptom Corrected
1.24	Minor modification has been made.



Date: 13 Jun 08 No - B 1012000c

**PAGE: 2/3** 

Model: T-M	1F1a	Date: 13-Jun-08	No.: RJ012009c		
Version	Version Symptom Corrected				
1.22	<ol> <li>Symptom corrected:         <ol> <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> </ol> </li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits.         <ol> <li>Note: If this is detected when the machine power is turned on, the machine wil wait until the temperature is within normal limits before any operations can be performed.</li> </ol> </li> </ol>				
1.18	<ol> <li>Symptom corrected:</li> <li>Sometimes, the machine misdetects non-Ricoh cartridge.</li> <li>If printing is initiated using a non-Ricomessage that prompts the operator of the changes:</li> <li>Automatic maintenance was optimized maintenance, and therefore reduce of the changes.</li> </ol>	oh ink cartridge, the ma o replace the cartridge. ed so as to eliminate ur	achine displays a		



tin PAGE: 3/3

Model: T-M	F1a	Date: 13-Jun-08	No.: RJ012009c		
Version Symptom Corrected					
1.17	<ol> <li>Specification changed:         <ol> <li>"Copying" is now displayed on performing a copy job.</li> <li>Improved the wording for the erroct not locked in place.</li> <li>Improved the wording for the erroccurs.</li> </ol> </li> <li>Supports the Divide and Send E individual email).</li> <li>Improved the wording for the me replaced.</li> <li>Supports the following display la - Machine display: Finnish, Cze - Web Image Monitor: Russian</li> <li>The default display language for has been set for the machine ope</li> <li>The following SCs were added:</li></ol>	the operation panel while or message displayed when message displayed when mail feature (incl. setting the sage displayed when the aguages: ech, Hungarian, Polish Finnish, Czech, Hungaria WIM will match whatever ration panel.	en the duplex unit is en a paper jam ne size of each ink cartridge is an, Polish, Chinese display language		
1.11	<ul> <li>and communication with the PC i</li> <li>Incorrect wording on the machine changed from English to another</li> <li>Incorrect wording in an ink cartrid</li> <li>Part of the email notification sent</li> <li>An Address Book Restore perform</li> </ul>	communication with the PC is cut.  correct wording on the machine display when the display language is need from English to another language.  correct wording in an ink cartridge-related display message (French only).  of the email notification sent when the ink waste tank is full was incorrect. Address Book Restore performed from WIM sometimes fails if an entry in Address Book contains certain characters.			

## Technical Bulletin

**PAGE: 1/3** 

Reissued: 24-Apr-09

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

### RTB Reissue

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

Subject: Firmware Release History Controller			Prepared	d by: Y. Murata
From: 1st Tech. Support Sec. Service Support Dept.				
Classification:	Troubleshooting	☐ Part information	tion	Action required
		☐ Electrical		☐ Service manual revision
	☐ Paper path	☐ Transmit/rec	eive	☐ Retrofit information
	☐ Product Safety	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
Pac	ckage	1.24	J0135619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pad	ckage	1.22	J0135619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0135619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pac	ckage	1.11	J0135619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	001701.

Version	Symptom Corrected
1.24	Minor modification has been made.



**PAGE: 2/3** 

Reissued: 24-Apr-09

Model: T-MF1	b	Date: 13-Jun-08	No.: RJ012010c			
Version	Symptor	m Corrected				
1.22	<ol> <li>Portuguese, Swedish, Danish, Norwallian Corrections were made for language update (German, French, Norwegian, Portuguese and Chines and the being out of specification limits, the off and on" (It should display "Pleas and the will wait until the temperature is when the can be performed.</li> <li>When a duplex jam occurs, the LCI transmission/reception is blackened.</li> <li>If a POP3 server communication erfollowing this, it is not possible to put the POP3 server (those that have deleted.</li> <li>Garbled characters might be displated.</li> <li>Other changes:</li> </ol>	me text was displayed in English when the language was updated to rtuguese, Swedish, Danish, Norwegian, or Hungarian.  ording corrections were made for the first progress dialog displayed during guage update (German, French, Italian, Spanish, Dutch, Swedish, Danish, rwegian, Portuguese and Chinese).  In the printer is rebooted and the machine temperature is detected as ang out of specification limits, the machine displays "Please turn the power and on" (It should display "Please wait").  The wrong message is displayed when the machine detects temperature additions outside specification limits.  The wrong message is displayed when the machine power is turned on, the machine ill wait until the temperature is within normal limits before any operations and be performed.  The performed is blackened out.  POP3 server communication error occurs during I-FAX reception, owing this, it is not possible to print over the network.  The memory reaches capacity during I-FAX reception, the remaining emails the POP3 server (those that have not yet been sent to the machine) are eted.  The performed is blackened on the WIM interface.  The population of the print over the WIM interface.  The population of the print over the WIM interface.  The population of the print over the WIM interface.  The population of the print over the WIM interface.				
1.18	<ol> <li>Symptom corrected:         <ol> <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> </li> <li>Other changes:         <ol> <li>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li> </ol> </li> </ol>					



**PAGE: 3/3** 

Reissued: 24-Apr-09

Model: T-MF1b Date: 13-Jun-08 No.: RJ012010c					
Version	Symptor	m Corrected			
Version 1.17	Specification changed:  1. Supports FAX Forwarding:  - FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be forwarded:  2. "Copying" is now displayed on the performing a copy job.  3. Improved the wording for the error is not locked in place.  4. Improved the wording for the error occurs.  5. Supports the Divide and Send Emaindividual email).  6. Improved the wording for the mes replaced.  7. Supports the following display langer of the mes replaced.  8. The default display: Finnish, Czector occurs.  8. The default display language for Whas been set for the machine oper.  9. The following SCs were added:  - SC976 (Printer head error at all SC977 (Printer head error occurs).  10. Machine functions developed for the destination code to China and stopped and communication with the destination code to China and stopped and communication with the destination set with the destination of the machine changed from English to another last incorrect wording in an ink cartrides.  1. Incorrect wording in an ink cartrides.  1. Incorrect wording in an ink cartrides.  2. Incorrect wording in an ink cartrides.  3. Incorrect wording in Australia,  5. Part of the email notification sent with correct.	cuments stored in mach numbers. perable due to some enwarded. The operation panel while message displayed who message displayed when the guages: The changarian, Polish Finnish, Czech, Hungarian, Polish Finnish, Czech, Hungarian, Polish Finnish, Czech, Hungariation panel.  Trival). Trival). The China model can be changing the bit switch age of a certain size, the he PC is cut. display when the display messer to comply with the later of the property of	e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is rian, Polish, r display language enabled by setting settings. e print job is ay language is sage (French only). est revisions made frica, and China. is full was		
	6. An Address Book Restore perform the Address Book contains certain	characters.	s ialis ii ari entry in		
1.11	<ul><li>7. Minor issues with FAX communica</li><li>1st mass production</li></ul>	tion/displays.			
1.11	13t mass production				



**PAGE: 1/3** 

Reissued: 24-Apr-09

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011c
<b>RTB Reissue</b> The items in <i>bold italics</i> have been added. Some	program numbers ha	ave been corrected
Subject: Firmware Release History Controller	Prepared by: Y. I	

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
Pac	ckage	1.24	J0145619L	April 2009 production
1.	Printer	1.21	J0145615P	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0145615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0145619D	1st mass production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	301 vc1.

Version	Symptom Corrected
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.



PAGE: 2/3

Reissued: 24-Apr-09

Model: T-MF1	bN	Date: 13-Jan-08	No.: RJ012011c			
Version	Sympto	m Corrected				
1.22	<ol> <li>Symptom corrected:</li> <li>Some text was displayed in English Portuguese, Swedish, Danish, None.</li> <li>Wording corrections were made for language update (German, French Norwegian, Portuguese and Chines.</li> <li>When the printer is rebooted and the being out of specification limits, the off and on" (It should display "Pleas.</li> <li>The wrong message is displayed we conditions outside specification limic. Note: If this is detected when the will wait until the temperature is we can be performed.</li> <li>When a duplex jam occurs, the LCI transmission/reception is blackener.</li> <li>If a POP3 server communication end following this, it is not possible to performed.</li> <li>If the memory reaches capacity due in the POP3 server (those that have deleted.</li> <li>Garbled characters might be displayed.</li> <li>The ftpd is disabled by default. The functions.</li> </ol>	wegian, or Hungarian. The first progress dialoon, Italian, Spanish, Dutch se). The machine temperature of machine displays "Pleated wait"). Then the machine detection its. The machine power is turne of its	g displayed during n, Swedish, Danish, e is detected as ase turn the power ts temperature d on, the machine e any operations d FAX (reception, he remaining emails he machine) are			
1.18	Symptom corrected:  2. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a					
	<ul><li>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></ul>					
	Other changes: Automatic maintenance was optimized maintenance, and therefore reduce the					



**PAGE: 3/3** 

Reissued: 24-Apr-09

Model: T-MF1	bN	Date: 13-Jan-08	No.: RJ012011c			
Version	Symptor	m Corrected				
1.17	Specification changed:  1. Supports FAX Forwarding:  - FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be forwarded to sperior is now displayed on the performing a copy job.  2. "Copying" is now displayed on the performing a copy job.  3. Improved the wording for the error is not locked in place.  4. Improved the wording for the error occurs.  5. Supports the Divide and Send Emaindividual email).  6. Improved the wording for the messing replaced.  7. Supports the following display language.  - Machine display: Finnish, Czector Web Image Monitor: Russian, In Chinese  8. The default display language for Web as been set for the machine operation.  9. The following SCs were added:  - SC976 (Printer head error at an SC977 (Printer head error occurs).  10. Machine functions developed for the destination code to China and set of the set of the machine destination code to China and set of the set of the machine destination code to China and set of the set of the machine destination code to China and set of the set of the machine destination code to China and set of the set of the machine destination code to China and set of the set of the machine destination code to China and set of the s	cuments stored in mach numbers. perable due to some erwarded. The operation panel while message displayed when the sage displayed whatever attion panel.	ror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is ian, Polish, display language			
1.11	<ol> <li>stopped and communication with the stopped and communication with the stopped are stopped and communication with the stopped are stopped are stopped are stopped at the stopped are stopped at the stopped are stopped at the stopped at</li></ol>	If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.  Incorrect wording on the machine display when the display language is changed from English to another language.  Incorrect wording in an ink cartridge-related display message (French only). The firmware was updated in order to comply with the latest revisions made to electrical standards in Australia, New Zealand, South Africa, and China. Part of the email notification sent when the ink waste tank is full was incorrect.  An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.  Minor issues with FAX communication/displays.  Too much ink is ejected when printing from a PCL6 driver (B/W only).  System error 0002 sometimes occurs when printing out from a PCL6 driver.				

### Technical Bulletin

**PAGE: 1/1** 

Model: T-MF1b/bN Date			te: 25-May-09		No.: RJ012021	
Subject: "High frequency noise"			Prepared by: Y.Murata			
From: 1st Tech. S	Support Sec. Service Support	Dept.				
Classification:		□ Part info	ormat	tion	Action	required
	☐ Mechanical ☐ Electrical		Electrical Service m		ce manual revision	
	☐ Paper path	☐ Transm	it/rec	eive	☐ Retrof	fit information
	☐ Other ( )				⊠ 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	Part	New Description	Q'ty	Int	Page	Index
Number	Number					
J0130514	J0130524	Scanner Board:MF1b/bN (-17, -21)	1	O/O	9	2
J0130531	J0130534	Scanner Board:MF1b/bN (-22, -27, 29)	1	0/0	9	2

### Scanner unit:

Old Part	Part	New Description	Q'ty	Int	Page	Index
Number	Number	-	-			
J0130071	J0130271	Scanner Unit:MF1b/bN (-17)	1	O/O	9	*
J0130074	J0130274	Scanner Unit:MF1b/bN (-21)	1	O/O	9	*
J0130172	J0130272	Scanner Unit:MF1b/bN (-22, -27, -29)	1	O/O	9	*
J0130173	30130272		-			

### **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	ТВА	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	-

## Technical Bulletin

**PAGE: 1/1** 

Model: T-MF1 Date			te: 10-Aug-09		No.: RJ012022	
Subject: NV-RAM cannot be replaced			Prepared by: Y. Murata			
From: 1st Tech. Support Sec. Service Support Dept.						
Classification:		☐ Part informa		tion	☐ Action required	
	☐ Mechanical	☐ Electric	al	☐ Serv		ce manual revision
	☐ Paper path ☐ Transmit/re		☐ Transmit/receive ☐ Retrofit i		fit information	
	☐ Other ( )				⊠ 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.

## Technical Bulletin

**PAGE: 1/2** 

Model: T-MF1			Dat	e: 08-Dec	-09	No.: RJ012023
Subject: SC 990		Prepared by: J. Mochizuki				
From: 2nd Overs	eas Tech Support Sec. 2nd PC	QM Dept				
Classification:	□ Troubleshooting	☐ Part info	ormat	tion	☐ Action	required
	☐ Mechanical	☐ Electrica	al		Service	e manual revision
	☐ Paper path	☐ Transm	it/rec	eive	Retro	fit information
	☐ Product Safety	Other (		)		

### **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

# Technical Bulletin

Date: 08-Dec-09 No.: RJ012023

**PAGE: 2/2** 

### **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

g



**PAGE: 1/3** 

☐ Service manual revision

☐ Retrofit information

Reissued: 22-Apr-10

☐ Paper path

☐ Product Safety

Model: T-MF1bN		Date: 13-Jan-08		No.: RJ012011e	
RTB Reissue The items in <i>bo</i>	old italics have been add	ed. Some p	orogram nur	mbers ha	ave been corrected
Subject: Firmware Release History Controller			Prepare	d by: J. M	lochizuki
From: 2nd Overs	eas Tech Support Sec., 2nd Po	QM Dept.			
Classification:	☐ Troubleshooting	☐ Part infor	rmation	☐ Action	n required

☐ Transmit/receive

)

Electrical

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
Pa	ckage	1.26	J0145619M	April 2010 production
1.	Printer	1.23	J0145615Q	] .
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pa	ckage	1.25	J0145619L_ce001	F/W updater only (No production
1.	Printer	1.21	J0145615P	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pa	ckage	1.24	J0145619L	April 2009 production
1.	Printer	1.21	J0145615P	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pa	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0145615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pa	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pa	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pa	ckage	1.11	J0145619D	1st mass production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	001701.



**PAGE: 2/3** 

Reissued: 22-Apr-10

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

Version	Symptom Corrected
1.26	Specification change: 1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"
	<ol> <li>Symptoms corrected:</li> <li>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>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>
1.25	Specification changes:  1. Supports firmware update via a PCL driver.
	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	<ol> <li>Symptom corrected:         <ol> <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.</li></ol></li></ol>
	Other changes:  1. The ftpd is disabled by default. This change does not affect any client functions.
1.18	Symptom corrected:  1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.  2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.



**PAGE: 3/3** 

Reissued: 22-Apr-10

Model: T-MF1	bN	Date: 13-Jan-08	No.: RJ012011e				
Version	Symptom Corrected						
	Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.						
1.17	<ol> <li>maintenance, and therefore reduce the Specification changed:         <ol> <li>Supports FAX Forwarding:                 <ul> <li>FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be for 2.</li> <li>"Copying" is now displayed on the performing a copy job.</li> </ul></li></ol> </li> </ol> <li>Improved the wording for the error occurs.</li> <li>Supports the Divide and Send Emaindividual email).</li> <ol></ol>	cuments stored in mac numbers. perable due to some er warded. ne operation panel while r message displayed whe ail feature (incl. setting) sage displayed when the guages: ch, Hungarian, Polish Finnish, Czech, Hungar /IM will match whatever ation panel.	hine memory can fror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is rian, Polish, r display language				
	Symptom corrected:  1. If the printing data includes an imastopped and communication with the changed from English to another last an incorrect wording on the machine changed from English to another last and an ink cartridges.  3. Incorrect wording in an ink cartridges.  4. The firmware was updated in order to electrical standards in Australia, 5. Part of the email notification sent wincorrect.  6. An Address Book Restore perform the Address Book contains certain 7. Minor issues with FAX communica 8. Too much ink is ejected when print 9. System error 0002 sometimes occ	age of a certain size, the PC is cut. display when the display anguage. ge-related display messer to comply with the late. New Zealand, South A when the ink waste tank and the characters. tion/displays. ting from a PCL6 driver	e print job is ay language is sage (French only). est revisions made frica, and China. is full was es fails if an entry in (B/W only).				
1.11	1st mass production						

## Technical Bulletin

IN PAGE: 1/3

☐ Service manual revision

☐ Retrofit information

Reissued: 06-May-10

☐ Paper path

☐ Product Safety

Model: I-MF1b		Da	ite: 13-Jun-08	No.: RJ012010e	
RTB Reissue					
The items in bo	old italics have been add	ogram numbers	have been corrected		
Subject: Firmware Release History Controller			Prepared by: J. Mochizuki		
From: 2nd Overse	eas Tech Support Sec., 2nd P	QM Dept.			
Classification:	Troubleshooting	☐ Part informa	ation	ion required	

☐ Electrical

Other (

☐ Transmit/receive

)

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
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	
Pa	ckage	1.25	J0135619J _ce001	F/W updater only (No production
1.	Printer	1.19	J0125615M	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pa	ckage	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	
Pa	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pa	ckage	1.11	J0135619C	1st Mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	] GOI VOI.



**PAGE: 2/3** 

Reissued: 06-May-10

Model: T-MF1b Date: 13-Jun-08 No.: RJ0120								
Version	Version Symptom Corrected							
1.26	<ol> <li>Specification change:</li> <li>Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"</li> <li>Symptoms corrected:</li> <li>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>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>							
1.25	<ol> <li>Specification changes:</li> <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	<ol> <li>Symptom corrected:</li> <li>Some text was displayed in English Portuguese, Swedish, Danish, Norvegian, Portuguese and Chines Norwegian, Portuguese and Chines</li> <li>When the printer is rebooted and the being out of specification limits, the off and on" (It should display "Pleas</li> <li>The wrong message is displayed we conditions outside specification limit Note: If this is detected when the will wait until the temperature is we can be performed.</li> <li>When a duplex jam occurs, the LCI transmission/reception is blackened</li> <li>If a POP3 server communication end following this, it is not possible to performed.</li> <li>If the memory reaches capacity due in the POP3 server (those that have deleted.</li> <li>Garbled characters might be displated.</li> <li>Other changes:</li> <li>The ftpd is disabled by default. This chemical process.</li> </ol>	wegian, or Hungarian. the first progress dial Italian, Spanish, Duto Se). The machine temperature machine displays "Plese wait"). Then the machine deteits. The machine power is turn within normal limits before the court. The machine power is turn ithin normal limits before the network. The over the network is not yet been sent to yed in the WIM interface.	log displayed during ch, Swedish, Danish, re is detected as ease turn the power ects temperature led on, the machine ore any operations led FAX aX reception, the remaining emails the machine) are ace.					
1.18	<ul> <li>The ftpd is disabled by default. This change does not affect any client functions.</li> <li>Symptom corrected:</li> <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> <li>Other changes: <ul> <li>Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.</li> </ul> </li> </ul>							
1.17	Specification changed:							

# Technical Bulletin

**PAGE: 3/3** 

Reissued: 06-May-10

Version  1. Supports FAX Forwarding:  - FAX transmission/reception documents store be forwarded to specified FAX numbers. Even when the machine is inoperable due all FAX documents can be forwarded.  2. "Copying" is now displayed on the operation performing a copy job.  3. Improved the wording for the error message of is not locked in place.  4. Improved the wording for the error message of occurs.  5. Supports the Divide and Send Email feature (in individual email).  6. Improved the wording for the message display replaced.  7. Supports the following display languages:  - Machine display: Finnish, Czech, Hungaria Web Image Monitor: Russian, Finnish, Czech, Chinese	Date: 13-Jun-08 No.: RJ012010e					
- FAX transmission/reception documents store be forwarded to specified FAX numbers.  Even when the machine is inoperable due all FAX documents can be forwarded.  2. "Copying" is now displayed on the operation performing a copy job.  3. Improved the wording for the error message of is not locked in place.  4. Improved the wording for the error message of occurs.  5. Supports the Divide and Send Email feature (in individual email).  6. Improved the wording for the message display replaced.  7. Supports the following display languages:  - Machine display: Finnish, Czech, Hungaria Web Image Monitor: Russian, Finnish, Czech						
8. The default display language for WIM will mate has been set for the machine operation panel. 9. The following SCs were added: - SC976 (Printer head error at arrival) SC977 (Printer head error occurs at running).	ored in mace to some er n panel while displayed when the an, Polish ech, Hungar ch whatever	rror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is rian, Polish,				
10. Machine functions developed for the China mothe destination code to China and changing the Symptom corrected:  1. If the printing data includes an image of a cert stopped and communication with the PC is cut 2. Incorrect wording on the machine display whe changed from English to another language.  3. Incorrect wording in an ink cartridge-related d. The firmware was updated in order to comply to electrical standards in Australia, New Zealat 5. Part of the email notification sent when the ink incorrect.  6. An Address Book Restore performed from WIN the Address Book contains certain characters.  7. Minor issues with FAX communication/displays 1.11	tain size, the t. en the displa display mess with the late and, South A	settings.  e print job is  ay language is  sage (French only).  est revisions made  frica, and China.				



**PAGE: 1/3** 

Reissued: 11-May-10

Model: T-MF1a	Date: 13-Jun-08	No.: RJ012009e
RTB Reissue The items in <i>bold italics</i> have been added. Some	e program numbers ha	ave been corrected
Subject: Firmware Release History Controller	Prepared by: J.M	<b>l</b> ochizuki
From Cod Consess Tools Consess Cod DOM Dool		

From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.

Classification: Troubleshooting Part information Action required

Mechanical Electrical Service manual revision

Paper path Transmit/receive Retrofit information

Product Safety 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
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	
Pag	ckage	1.25	J0125619J_ce001	F/W updater only (No production
1.	Printer	1.19	J0125615M	change)
2.	Master Controller	2.63c-4	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0125619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Master Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0125619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0125619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0125613J	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0125619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0125613G	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.11	J0125619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07e	J0125613F	server.
3.	Ethernet Board	1.00	J0145614	001101.



**PAGE: 2/3** 

Reissued: 11-May-10

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

Version	Symptom Corrected		
1.26	Specification change: 1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"		
	<ol> <li>Symptoms corrected:</li> <li>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>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>		
1.25	Specification changes:		
	<ol> <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	<ol> <li>Symptom corrected:         <ol> <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> </ol> </li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits.         <ol> <li>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> </li> </ol>		
1.18	<ol> <li>Symptom corrected:</li> <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>		
	Other changes:  1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.		
1.17	<ol> <li>Specification changed:</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> </ol>		
	<ul> <li>4. Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li> <li>5. Improved the wording for the message displayed when the ink cartridge is</li> </ul>		



**PAGE: 3/3** 

Reissued: 11-May-10

Model: T-M	F1a	Date: 13-Jun-08	No.: RJ012009e		
Version	Symptom	Corrected			
replaced. 6. Supports the following display languages: - Machine display: Finnish, Czech, Hungarian, Polish - Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese 7. The default display language for WIM will match whatever display language has been set for the machine operation panel. 8. The following SCs were added: - SC976 (Printer head error at arrival) SC977 (Printer head error occurs at running). 9. Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings.					
	<ol> <li>Symptom corrected:</li> <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				



Classification:

### Technical Bulletin

**PAGE: 1/3** 

☐ Action required

☐ Service manual revision

☐ Retrofit information

Reissued: 31-May-10

☐ Troubleshooting

☐ Paper path☐ Product Safety

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011f
RTB Reissue The items in <i>bold italics</i> have been added. Some	program numbers h	nave been corrected
Subject: Firmware Release History Controller	Prepared by: J.	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.		

☐ Part information

☐ Transmit/receive

)

☐ Electrical

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
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	
Pad	ckage	1.26	J0145619M	April 2010 production
1.	Printer	1.23	J0145615Q	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.25	J0145619L_ce001	F/W updater only (No production
1.	Printer	1.21	J0145615P	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0145619L	April 2009 production
1.	Printer	1.21	J0145615P	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pad	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0145615M	·
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.11	J0145619D	1st mass production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	331731.



Date: 13-Jan-08

**PAGE: 2/3** 

No.: RJ012011f

Reissued: 31-May-10 Model: T-MF1bN

Version	Symptom Corrected
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"
	<ul> <li>Symptoms corrected:</li> <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</li> </ul>
	does not change when the server connection is broken.
1.25	<ol> <li>Specification changes:</li> <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	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	<ol> <li>Symptom corrected:         <ol> <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.</li></ol></li></ol>
1.18	Symptom corrected:  1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge.



**PAGE: 3/3** 

Reissued: 31-May-10

Model: T-MF1	bN	Date: 13-Jan-08	No.: RJ012011f		
Version	otamvS	m Corrected			
	If printing is initiated using a non-F message that prompts the operator	Ricoh ink cartridge, the r			
	Other changes: Automatic maintenance was optimized maintenance, and therefore reduce the				
1.17	Specification changed:	<u> </u>	<u> </u>		
	Supports FAX Forwarding:     FAX transmission/reception do     be forwarded to specified FAX     Even when the machine is ino     all FAX documents can be for     "Copying" is now displayed on the performing a copy job.	numbers. perable due to some er warded. he operation panel while	ror or other issue, e the machine is		
	<ul><li>3. Improved the wording for the error is not locked in place.</li><li>4. Improved the wording for the error</li></ul>				
	occurs.  5. Supports the Divide and Send Emindividual email).	ail feature (incl. setting	the size of each		
	6. Improved the wording for the mes replaced.		ne ink cartridge is		
	<ul> <li>7. Supports the following display lang</li> <li>- Machine display: Finnish, Czec</li> <li>- Web Image Monitor: Russian,</li> <li>Chinese</li> </ul>	ch, Hungarian, Polish	rian, Polish,		
	<ul> <li>8. The default display language for Whas been set for the machine oper</li> <li>9. The following SCs were added:</li> </ul>		display language		
	- SC976 (Printer head error at a				
	SC977 (Printer head error occu     Machine functions developed for the destination code to China and	he China model can be			
Symptom corrected:  1. If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.  2. Incorrect wording on the machine display when the display language is changed from English to another language.					
	<ul><li>3. Incorrect wording in an ink cartridge</li><li>4. The firmware was updated in orde to electrical standards in Australia,</li></ul>	ge-related display mess r to comply with the late , New Zealand, South A	est revisions made frica, and China.		
	<ul><li>5. Part of the email notification sent v incorrect.</li><li>6. An Address Book Restore perform</li></ul>				
	the Address Book contains certain  Minor issues with FAX communica	characters.	o iano ii an cittiy iii		
	<ul><li>8. Too much ink is ejected when pring</li><li>9. System error 0002 sometimes occ</li></ul>	ting from a PCL6 driver			
1.11	1st mass production				



**PAGE: 1/4** 

☐ Action required

☐ Service manual revision

☐ Retrofit information

Reissued: 25-Jul-11

Classification:

☐ Troubleshooting

☐ Paper path

☐ Product Safety

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011g
<b>RTB Reissue</b> The items in <i>bold italics</i> have been added. Some	program numbers	s have been corrected
Subject: Firmware Release History Controller	Prepared by:	J. Mochizuki
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.		

☐ Part information

☐ Transmit/receive

)

☐ Electrical

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
Pa	ckage	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	
Pag	ckage	1.27	J0145619N	June 2010 production
1.	Printer	1.24	J0145615R	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.26	J0145619M	April 2010 production
1.	Printer	1.23	J0145615Q	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.25	J0145619L_ce001	F/W updater only (No production
1.	Printer	1.21	J0145615P	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0145619L	April 2009 production
1.	Printer	1.21	J0145615P	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0145615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pad	ckage	1.17	J0145619G	June 2008 production
1.	Printer	1.16	J0145615K	]
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	



**PAGE: 2/4** 

Reissued: 25-Jul-11

Model: T-MF1bN

Date: 13-Jan-08

No : BJ012011g

IVIC	idei: 1-MFTbN		Dai	le. 13-Jan-08	NO RJ012011g
Pa	ckage	1.11	J0145619D	1st mass pro	duction (Dec. 2007)
1.	Printer	1.09	J0145615F	Not released	on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.	OII WED OF THOOF
3.	Ethernet Board	1.00	J0145614	001701.	

Version	Symptom Corrected
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"
	<ol> <li>Symptoms corrected:</li> <li>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>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>
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	<ol> <li>Symptom corrected:         <ol> <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> </ol> </li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits.         <ol> <li>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> </li> <li>When a duplex jam occurs, the LCD icon for modem-based FAX</li> </ol>
	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.



**PAGE: 3/4** 

Reissued: 25-Jul-11

Model: T-MF1	1bN	Date: 13-Jan-08	No.: RJ012011g		
Version	Sympto	m Corrected			
	<ul><li>7. If the memory reaches capacity due in the POP3 server (those that hav deleted.</li><li>8. Garbled characters might be displayed.</li></ul>	uring I-FAX reception, the not yet been sent to the	ne machine) are		
	Other changes: The ftpd is disabled by default. This ch	ange does not affect ar	ny client functions.		
1.18	<ol> <li>Symptom corrected:</li> <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> <li>Other changes:</li> </ol>				
	Automatic maintenance was optimized maintenance, and therefore reduce the				
1.17	<ul> <li>maintenance, and therefore reduce the Specification changed:</li> <li>Supports FAX Forwarding:  - FAX transmission/reception do be forwarded to specified FAX Even when the machine is incall FAX documents can be for</li> <li>"Copying" is now displayed on the performing a copy job.</li> <li>Improved the wording for the error is not locked in place.</li> <li>Improved the wording for the error occurs.</li> <li>Supports the Divide and Send Emindividual email).</li> <li>Improved the wording for the mest replaced.</li> <li>Supports the following display language.  - Machine display: Finnish, Czer Web Image Monitor: Russian, Chinese</li> <li>The default display language for Whas been set for the machine open</li> <li>The following SCs were added:  - SC976 (Printer head error at a</li> </ul>	ocuments stored in mach numbers. operable due to some er warded. he operation panel while r message displayed what if eature (incl. setting sage displayed when the guages: ch, Hungarian, Polish Finnish, Czech, Hungar will match whatever ation panel.	hine memory can ror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is		
	<ul> <li>SC977 (Printer head error occ</li> <li>Machine functions developed for the destination code to China and</li> <li>Symptom corrected:</li> <li>If the printing data includes an improvement of the stopped and communication with the stopped and communication with the changed from English to another leading on the machine changed from English to another leading in an ink cartrid</li> </ul>	urs at running). he China model can be changing the bit switch age of a certain size, the the PC is cut. display when the displa anguage.	settings. e print job is ay language is		



**PAGE: 4/4** 

Reissued: 25-Jul-11

Model: T-MF	-1bN	Date: 13-Jan-08	No.: RJ012011g		
Version	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.				
	ınk is full was				
6. An Address Book Restore performed from WIM sometimes fails if an each the Address Book contains certain characters.					
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 di					
1.11	1st mass production				

### **RICOH**

### Technical Bulletin

**PAGE: 1/3** Reissued: 17-Aug-11

Model: T-MF1b Da			Dat	e: 13-Jun-08		No.: RJ012010f
RTB Reissue The items in <i>bo</i>	old italics have been add	ed. Some	prog	gram numbe	rs ha	ve been corrected
Subject: Firmware Release History Controller				Prepared by	/: J. N	lochizuki
From: 2nd Overs	eas Tech Support Sec., 2nd Po	QM Dept.				
Classification:	☐ Troubleshooting	☐ Part info	orma	tion	Action	required
	☐ Mechanical	☐ Electrica	al		Servic	e manual revision
	☐ Paper path	☐ Transm	it/rec	eive $\square$	Retrof	it information
	☐ Product Safety	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
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	
Pag	ckage	1.26	J0135619K	April 2010 production
1.	Printer	1.21	J0125615N	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.25	J0135619J _ce001	F/W updater only (No production
1.	Printer	1.19	J0125615M	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0135619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0135619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0135619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	
	ckage	1.11	J0135619C	1st Mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.
3.	Ethernet Board	1.00	J0145614	00.10.



**PAGE: 2/3** 

Reissued: 17-Aug-11

Model: T-MF	1b	Date: 13-Jun-08	No.: RJ012010f			
Version	Sympto	m Corrected				
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	<ol> <li>Specification change:</li> <li>Wording change (LCD screen and changed to "Economy Color"</li> <li>Symptoms corrected:</li> <li>The machine serial number is displanted to correct this.</li> <li>The communication status of an I-F does not change when the server of the communication status of the communication</li></ol>	ayed as a 16-digit num freezes if the SP mode AX, ScanToEmail, or S	ber (instead of an e edit screen is used			
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 Portuguese, Swedish, Danish, Nor.  2. Wording corrections were made for language update (German, French Norwegian, Portuguese and Chines.  3. When the printer is rebooted and the being out of specification limits, the off and on" (It should display "Pleas.  4. The wrong message is displayed we conditions outside specification lime. Note: If this is detected when the will wait until the temperature is we can be performed.  5. When a duplex jam occurs, the LC transmission/reception is blackene.  6. If a POP3 server communication ender following this, it is not possible to pomorphism.  7. If the memory reaches capacity due in the POP3 server (those that have deleted.  8. Garbled characters might be displayed.  Other changes:  The ftpd is disabled by default. This characters is disabled.	wegian, or Hungarian. If the first progress dialoge, Italian, Spanish, Dutch se). The machine temperature machine displays "Please wait"). If the machine detection its. If the machine detection is turned its. If the machine detection is turned its. If the machine detection is the machine power is turned its. If the machine detection is the machine power is turned its. If the machine power is turned its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the mot yet been sent to the machine its incoming I-FAX reception, the machine its incoming I-FAX reception its incoming I-FAX	og displayed during h, Swedish, Danish, e is detected as ease turn the power ets temperature ed on, the machine re any operations ed FAX ex reception, the remaining emails the machine) are			
1.18	The ftpd is disabled by default. This ch Symptom corrected:  1. Sometimes, the machine misdeted non-Ricoh cartridge.					

#### RICOH

#### Technical Bulletin

**PAGE: 3/3** 

Reissued: 17-Aug-11

Model: T-MF1b Date: 13-Jun-08 No.: RJ012010f If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge. Other changes: Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed. 1.17 Specification changed: Supports FAX Forwarding: 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. 2. "Copying..." is now displayed on the operation panel while the machine is performing a copy job. Improved the wording for the error message displayed when the duplex unit is not locked in place. Improved the wording for the error message displayed when a paper jam occurs. Supports the Divide and Send Email feature (incl. setting the size of each individual email). Improved the wording for the message displayed when the ink cartridge is replaced. 7. Supports the following display languages: Machine display: Finnish, Czech, Hungarian, Polish Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, Chinese The default display language for WIM will match whatever display language has been set for the machine operation panel. The following SCs were added: SC976 (Printer head error at arrival). SC977 (Printer head error occurs at running). 10. Machine functions developed for the China model can be enabled by setting the destination code to China and changing the bit switch settings. Symptom corrected: If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut. 2. Incorrect wording on the machine display when the display language is changed from English to another language. Incorrect wording in an ink cartridge-related display message (French only). 3. 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. An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters. Minor issues with FAX communication/displays. 1st Mass production 1.11



Classification:

☐ Troubleshooting

☐ Product Safety

☐ Paper path

### Technical Bulletin

**PAGE: 1/3** Reissued: 24-Nov-11

Model: I-MF1a	Date: 13-Jun-08	No.: RJ012009f
RTB Reissue		
The items in <b>bold italics</b> have been added. Some	program numbers	have been corrected
Subject: Firmware Release History Controller	Prepared by: J	J.Mochizuki
From: 3rd Tech Service Sect., MFP/Printer Tech Service D	ept.	

☐ Part information

☐ Transmit/receive

)

☐ Electrical

☐ Action required

☐ Service manual revision

☐ 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
Pa	ckage	1.29	J0125619N	December 2011 production
1.	Printer	1.24	J0125615R	
2.	Master Controller	2.65a-4	J0125613M	
3.	Ethernet Board	2.79	J0145614F	
Pa	ckage	1.26	J0125619K	April 2010 production
1.	Printer	1.21	J0125615N	
2.	Master Controller	2.64a-4	J0125613L	
3.	Ethernet Board	2.75	J0145614E	
Pa	ckage	1.25	J0125619J_ce001	F/W updater only (No production
1.	Printer	1.19	J0125615M	change)
2.	Master Controller	2.63c-4	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0125619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Master Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pa	ckage	1.22	J0125619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0125613K	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0125619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0125613J	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0125619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0125613G	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.11	J0125619C	1st mass production (Dec. 2007)
1.	Printer	1.08	J0125615F	Not released on WEB or RISSN
2.	Master Controller	1.07e	J0125613F	server.
3.	Ethernet Board	1.00	J0145614	33.73.



**PAGE: 2/3** 

Reissued: 24-Nov-11

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

Version	Symptom Corrected
1.29	Symptom corrected:
	Minor bug correction.
1.26	Specification change:  1. Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"
	<ol> <li>Symptoms corrected:</li> <li>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>The communication status of an I-FAX, ScanToEmail, or ScanToFTP job does not change when the server connection is broken.</li> </ol>
1.25	Specification changes:
1.20	<ol> <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	<ol> <li>Symptom corrected:</li> <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</li> </ol>
	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.
1.18	Symptom corrected: 1. Sometimes, the machine misdetects a new Ricoh original ink cartridge as a non-Ricoh cartridge. 2. If printing is initiated using a non-Ricoh ink cartridge, the machine displays a message that prompts the operator to replace the cartridge.
	Other changes:  1. Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.
1.17	<ol> <li>Specification changed:</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> </ol>
	4. Supports the Divide and Send Email feature (incl. setting the size of each



**PAGE: 3/3** 

Model: T-M	IF1a	Date: 13-Jun-08	No.: RJ012009f		
Version	Sympto	om Corrected			
individual email).  5. Improved the wording for the message displayed when the ink cartridg replaced.  6. Supports the following display languages:  - Machine display: Finnish, Czech, Hungarian, Polish  - Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish, C  7. The default display language for WIM will match whatever display language has been set for the machine operation panel.  8. The following SCs were added:  - SC976 (Printer head error at arrival).  - SC977 (Printer head error occurs at running).  9. Machine functions developed for the China model can be enabled by sthe destination code to China and changing the bit switch settings.					
1.11	Symptom corrected:  If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.  Incorrect wording on the machine display when the display language is changed from English to another language.  Incorrect wording in an ink cartridge-related display message (French only).  Part of the email notification sent when the ink waste tank is full was incorrect.  An Address Book Restore performed from WIM sometimes fails if an entry in the Address Book contains certain characters.				
1.11	1st Mass production				

#### **RICOH**

### Technical Bulletin

**PAGE: 1/4** Reissued: 24-Nov-11

Model: T-MF1b	Date: 13-Jun-08	No.: RJ012010g
RTB Reissue The items in <i>bold italics</i> have been added. Some	program numbers h	ave been corrected
Subject: Firmware Release History Controller	Prepared by: J.	
From: 2rd Took Sarving Soot MED/Drinter Took Sarving De	ant	

rom: 3rd Tech Service Sect., MFP/Printer Tech Service Dept. ☐ Troubleshooting ☐ Action required ☐ Part information Classification: ☐ Electrical ☐ Service manual revision ☐ Transmit/receive ☐ Retrofit information ☐ Paper path ☐ Product Safety 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
Package		1.29	J0135619N	December 2011 production
1.	Printer	1.24	J0125615R	<u> </u>
2.	Master Controller	2.65a-2	J0135613P	7
3.	Ethernet Board	2.79	J0145614F	]
Pad	ckage	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	
Pag	ckage	1.26	J0135619K	April 2010 production
1.	Printer	1.21	J0125615N	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.25	J0135619J _ce001	F/W updater only (No production
1.	Printer	1.19	J0125615M	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0135619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0135619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pad	ckage	1.18	J0135619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0135613J	
3.	Ethernet Board	2.68	J0145614C	

### **RICOH**

# Technical Bulletin

**PAGE: 2/4** 

Model: T-MF1b				Date: 13-Jun-08	No.: RJ012010g
Pad	ckage	1.11	J01356190	C 1st Mass pro	oduction (Dec. 2007)
1.	Printer	1.08	J0125615	F Not released	d on WEB or RISSN
2.	Master Controller	1.07f	J0135613I	server.	2 011 1122 01 1110011
3.	Ethernet Board	1.00	J0145614		

Version	Symptom Corrected
1.29	Symptom corrected: Occasionally, the tray paper size is mis-detected when receiving a 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"
	<ul> <li>Symptoms corrected:</li> <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</li> </ul>
	does not change when the server connection is broken.
1.25	<ul> <li>Specification changes:</li> <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> </ul>
1.24	Minor modification has been made.
1.22	<ol> <li>Symptom corrected:         <ol> <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> </ol> </li> <li>The wrong message is displayed when the machine detects temperature conditions outside specification limits.         <ol> <li>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</li> </ol> </li> </ol>
	<ul> <li>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</li> </ul>



IN PAGE: 3/4

Model: T-MF1	Date: 13-Jun-08 No.: RJ01201						
Version	Sympton	Symptom Corrected					
	in the POP3 server (those that have	ve not yet been sent to the machine) are					
	deleted.						
	8. Garbled characters might be displa	yed in the WIM intertac	e.				
	Other changes:						
	The ftpd is disabled by default. This change does not affect any client functi						
1.18	Symptom corrected:		,				
	1. Sometimes, the machine misdeted	ts a new Ricoh original	ink cartridge as a				
	non-Ricoh cartridge.	liaab jak aastuidsa tha s	maabina dianlaya a				
	2. If printing is initiated using a non-Fi message that prompts the operato						
	mossage that prompts the operate	Tio replace the carting	0.				
	Other changes:						
	Automatic maintenance was optimized						
1.17	maintenance, and therefore reduce the	amount of ink consum	ed.				
1.17	Specification changed:  1. Supports FAX Forwarding:						
	- FAX transmission/reception do	cuments stored in mac	hine memory can				
	be forwarded to specified FAX		, , , , , , , , , , , , , , , , , , ,				
	Even when the machine is ino		ror or other issue,				
	all FAX documents can be for						
	2. "Copying" is now displayed on the performing a copy job.	n the operation panel while the machine is					
	3. Improved the wording for the error	r message displayed wl	nen the duplex unit				
	is not locked in place.	0 1 7	'				
	4. Improved the wording for the error	r message displayed wl	nen a paper jam				
	occurs.  5. Supports the Divide and Send Em	ail foature (incl. cotting	the size of each				
	<ol><li>Supports the Divide and Send Email feature (incl. setting the size of each individual email).</li></ol>						
	6. Improved the wording for the mes	sage displayed when th	ne ink cartridge is				
	replaced.						
	7. Supports the following display lang						
	- Machine display: Finnish, Czech, Hungarian, Polish						
	<ul> <li>Web Image Monitor: Russian, Finnish, Czech, Hungarian, Polish,</li> <li>Chinese</li> </ul>						
	8. The default display language for WIM will match whatever display language						
	has been set for the machine operation panel.						
	9. The following SCs were added:	rrival\					
	<ul> <li>SC976 (Printer head error at a</li> <li>SC977 (Printer head error occi</li> </ul>	,					
	10. Machine functions developed for the		enabled by setting				
	the destination code to China and						
	Symptom corrected:	ago of a cortain size th	o print job is				
	If the printing data includes an image stopped and communication with temperature.		ט טטן זיייונ <u>י</u> טטן זיייין <i>פ</i>				
	2. Incorrect wording on the machine		ay language is				
	changed from English to another la	anguage.					
	3. Incorrect wording in an ink cartride						
	4. The firmware was updated in orde	r to comply with the late	est revisions made				



**PAGE: 4/4** 

Model: T-MF	1b	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						



Classification:

### Technical Bulletin

**PAGE: 1/4** 

☐ Action required

☐ Service manual revision

☐ Retrofit information

Reissued: 24-Nov-11

☐ Troubleshooting

☐ Paper path☐ Product Safety

Model: T-MF1bN	Date: 13-Jan-08	No.: RJ012011h			
RTB Reissue					
The items in <b>bold italics</b> have been added. Some	program numbers ha	ave been corrected			
Subject: Firmware Release History Controller	Prepared by: J. N	Лосhizuki			
From: 3rd Tech Service Sect MEP/Printer Tech Service De	ent				

☐ Part information

☐ Transmit/receive

)

☐ Electrical

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
Pac	ckage	1.30	J0145619R	December 2011 production
1.	Printer	1.27	J0145615V	]
2.	Master Controller	2.65a-2	J0135613P	]
3.	Ethernet Board	2.79	J0145614F	]
Pad	ckage	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	
Pag	ckage	1.27	J0145619N	June 2010 production
1.	Printer	1.24	J0145615R	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.26	J0145619M	April 2010 production
1.	Printer	1.23	J0145615Q	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.25	J0145619L_ce001	F/W updater only (No production
1.	Printer	1.21	J0145615P	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0145619L	April 2009 production
1.	Printer	1.21	J0145615P	
2.	Master Controller	2.63c	J0135613M	_
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0145615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	]
2.	Master Controller	2.60a	J0135613L	]
3.	Ethernet Board	2.68	J0145614C	



**PAGE: 2/4** Reissued: 24-Nov-11

Model: T-MF1bN Date: 13			ite: 13-Jan-08	No.: RJ012011h	
Pad	ckage	1.17	J0145619G	June 200	8 production
1.	Printer	1.16	J0145615K		
2.	Master Controller	2.59c	J0135613J		
3.	Ethernet Board	2.68	J0145614C		
Pag	ckage	1.11	J0145619D	1st mass	production (Dec. 2007)
1.	Printer	1.09	J0145615F	Not relea	sed on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.	Sed on WED of Thoon
3.	Ethernet Board	1.00	J0145614	Scrvci.	

Version	Symptom Corrected
1.30	Symptom corrected:
	Occasionally, the tray paper size is mis-detected when receiving a 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
4.07	made to the head maintenance control.
1.27	Symptom corrected:
1.00	Print jobs from PCL5 or 6 driver are not printed.
1.26	Specification change:
	Wording change (LCD screen and Summary Report): "Level Color" was changed to "Economy Color"
	Changed to Economy Color
	Symptoms corrected:
	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:
	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
4.00	chart that was sent using a PCL driver.
1.22	Symptom corrected:
	Some text was displayed in English when the language was updated to      Portuguese Swedish Denish Negrosian or Hungarian
	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.
	, ,



**PAGE: 3/4** 

Model: T-MF1	bN	Date: 13-Jan-08	No.: RJ012011h			
Version	Sympto	Symptom Corrected				
	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 in the POP3 server (those that have not yet been sent to the machine) are deleted.					
	8. Garbled characters might be displayed. Other changes: The ftpd is disabled by default. This cl					
1.18	Symptom corrected:  1. Sometimes, the machine misdetects a new Ricoh original ink cartridge a non-Ricoh cartridge.  2. If printing is initiated using a non-Ricoh ink cartridge, the machine displamessage that prompts the operator to replace the cartridge.					
	Other changes: Automatic maintenance was optimized maintenance, and therefore reduce the					
1.17	<ol> <li>Specification changed:         <ul> <li>Supports FAX Forwarding:</li> <li>FAX transmission/reception does forwarded to specified FAX Even when the machine is interested all FAX documents can be formed.</li> </ul> </li> <li>"Copying" is now displayed on performing a copy job.</li> <li>Improved the wording for the error is not locked in place.</li> <li>Improved the wording for the error occurs.</li> <li>Supports the Divide and Send Emindividual email).</li> <li>Improved the wording for the meaning replaced.</li> <li>Supports the following display land - Machine display: Finnish, Czellower Web Image Monitor: Russian, Chinese</li> <li>The default display language for Mas been set for the machine open.</li> </ol>	Inumbers. Operable due to some er warded. Ithe operation panel while or message displayed who mail feature (incl. setting the sage displayed when the guages: ch, Hungarian, Polish Finnish, Czech, Hungar	ror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is rian, Polish,			
	9. The following SCs were added: - SC976 (Printer head error at a - SC977 (Printer head error occ 10. Machine functions developed for the destination code to China and	arrival). curs at running). che China model can be				



**PAGE: 4/4** 

Model: T-MF1	1bN	Date: 13-Jan-08	No.: RJ012011h		
Version	Sympto	m Corrected			
	Symptom corrected:  1. If the printing data includes an imastopped and communication with the stopped and communication with the changed from English to another later and the stopped and communication with the changed from English to another later and the stopped and th	he PC is cut. display when the displated anguage. ge-related display messer to comply with the lated New Zealand, South Awhen the ink waste tanked from WIM sometime characters. tion/displays. ting from a PCL6 driver	ay language is age (French only). est revisions made frica, and China. is full was s fails if an entry in (B/W only).		
1.11 1st mass production					

### **RICOH**

☐ Paper path

☐ Product Safety

### Technical Bulletin

**PAGE: 1/4** Reissued: 02-Oct-13

Model: T-MF1b			Date:	13-Jun-08	No.: RJ012010h
RTB Reissue The items in bo	old italics have been add	ed. Some i	orogra	am numbers ha	ave been corrected
	e Release History Controller	Ť	repared by: Y.		
From: 3rd Tech S	Service Sect., MFP/Printer Tecl	ot.			
Classification:	Troubleshooting	☐ Part infor	mation	n Action	n required

☐ Electrical

Other (

☐ Transmit/receive

)

☐ Service manual revision

☐ 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
Pa	ckage	1.34	J0135619N-CE003	Production discontinued
Pad	ckage	1.29	J0135619N	December 2011 production
1.	Printer	1.24	J0125615R	] '
2.	Master Controller	2.65a-2	J0135613P	
3.	Ethernet Board	2.79	J0145614F	
Pad	ckage	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	
Pad	ckage	1.26	J0135619K	April 2010 production
1.	Printer	1.21	J0125615N	1
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pa	ckage	1.25	J0135619J _ce001	F/W updater only (No production
1.	Printer	1.19	J0125615M	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pad	ckage	1.24	J0135619J	April 2009 production
1.	Printer	1.19	J0125615M	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pad	ckage	1.22	J0135619H	December 2008 production
1.	Printer	1.18	J0125615L	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0135619G	July 2008 production
1.	Printer	1.17	J0125615K	
2.	Master Controller	2.60a	J0135613L	
3.	Ethernet Board	2.68	J0145614C	
Pag	ckage	1.17	J0135619F	June 2008 production
1.	Printer	1.15	J0125615J	
2.	Master Controller	2.59c	J0135613J	



**PAGE: 2/4** 

Reissued: 02-Oct-13

Мо	Model: T-MF1b			13-Jun-08	No.: RJ012010h
3.	Ethernet Board	2.68	J0145614C		
Pag	ckage	1.11	J0135619C	1st Mass production (Dec.	
1. Printer		1.08	J0125615F	Not released	on WEB or RISSN
2.	Master Controller	1.07f	J0135613H	server.	DIT WED OF THOOM
3.	Ethernet Board	1.00	J0145614	SCIVCI.	

Version	Symptom Corrected
1.34	Symptom corrected:
	Some fax data may be corrupted if the network speed cannot keep up with
1.29	the fax processing speed.  Symptom corrected:
1.29	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:
	Wording change (LCD screen and Summary Report): "Level Color" was
	changed to "Economy Color"
	Symptoms corrected:
	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:
1.20	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



**PAGE: 3/4** 

Reissued: 02-Oct-13

6. If a follor follow f	smission/reception is blackened POP3 server communication en wing this, it is not possible to place memory reaches capacity dute POP3 server (those that have beed. bled characters might be display that have been been been been been been been bled characters might be display that the disabled by default. This characters metimes, the machine misdeted	rror occurs during I-FAX rint over the network. uring I-FAX reception, the not yet been sent to the tyed in the WIM interfactange does not affect an	ne remaining emails ne machine) are e.
6. If a follor follow f	POP3 server communication en wing this, it is not possible to prove memory reaches capacity during POP3 server (those that have ted. bled characters might be displayed in the displayed by default. This characters might be displayed is disabled by default. This characters metimes, the machine misdeted	rror occurs during I-FAX rint over the network. uring I-FAX reception, the not yet been sent to the tyed in the WIM interfactange does not affect an	ne remaining emails ne machine) are e.
Other c The ftpo 1.18 Sympto 1. Son nor	hanges: d is disabled by default. This ch m corrected: netimes, the machine misdeted	ange does not affect an	
1.18 Sympto 1. Sor	d is disabled by default. This ch m corrected: netimes, the machine misdeted		y client functions.
1. Sor	metimes, the machine misdeted		
	n-Ricoh cartridge. rinting is initiated using a non-F ssage that prompts the operato	Ricoh ink cartridge, the r	nachine displays a
Automa mainter	hanges: tic maintenance was optimized nance, and therefore reduce the		
2. "Comper 3. Immis nocconstant of the sympto"  2. "Comper 3. Immis nocconstant of the sympto"  2. "Comper 5. Support of the sympto"  2. "Comper 6. Immis nocconstant of the symptom of th	cation changed: coports FAX Forwarding: FAX transmission/reception do be forwarded to specified FAX Even when the machine is ino all FAX documents can be for copying" is now displayed on the forming a copy job. proved the wording for the error cot locked in place. proved the wording for the error curs. coports the Divide and Send Emit cividual email). proved the wording for the mes laced. coports the following display language. Machine display: Finnish, Czec Web Image Monitor: Russian, Chinese et default display language for Wes been set for the machine oper et following SCs were added: SC976 (Printer head error at a SC977 (Printer head error occupations) SC976 (Printer head error occupations) destination code to China and m corrected: the printing data includes an image.	numbers. perable due to some er warded. he operation panel while r message displayed whail feature (incl. setting the sage displayed when the sage dis	ror or other issue, e the machine is nen the duplex unit nen a paper jam the size of each ne ink cartridge is rian, Polish, r display language enabled by setting settings.



**PAGE: 4/4** 

Reissued: 02-Oct-13

Model: T-MF	1b	Date: 13-Jun-08	No.: RJ012010h			
Version	Sympto	m Corrected				
	display when the displa anguage.					
3. Incorrect wording in an ink cartridge-related display message (F						
4. The firmware was updated in order to comply with the latest rev to electrical standards in Australia, New Zealand, South Africa, a						
5. Part of the email notification sent when the ink waste tank is full was incorrect.						
	<ol><li>An Address Book Restore performed from WIM sometimes fails if an entry i the Address Book contains certain characters.</li></ol>					
	7. Minor issues with FAX communication/displays.					
1.11	1st Mass production					



**PAGE: 1/4** 

Reissued: 07-Jan-14

Model: I-MF1bN	Date: 13-Jan-08	No.: RJ012011i
RTB Reissue		
The items in <b>bold italics</b> have been added. Some	program numbers ha	ve been corrected

Subject: Firmwa	re Release History Controller	Prepared by: J. Mochizuki	
From: 3rd Tech S	Service Sect., MFP/Printer Tec		
Classification:	<ul><li>☐ Troubleshooting</li><li>☐ Mechanical</li><li>☐ Paper path</li><li>☐ Product Safety</li></ul>	☐ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☐ Service manual revision ☐ 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
Package		1.34	J0145619R-CE003	Production discontinued
Pag	ckage	1.30	J0145619R	December 2011 production
1.	Printer	1.27	J0145615V	
2.	Master Controller	2.65a-2	J0135613P	
3.	Ethernet Board	2.79	J0145614F	
Pag	ckage	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	
Pag	ckage	1.27	J0145619N	June 2010 production
1.	Printer	1.24	J0145615R	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.26	J0145619M	April 2010 production
1.	Printer	1.23	J0145615Q	
2.	Master Controller	2.64a-2	J0135613N	
3.	Ethernet Board	2.75	J0145614E	
Pag	ckage	1.25	J0145619L_ce001	F/W updater only (No production
1.	Printer	1.21	J0145615P	change)
2.	Master Controller	2.63c-2	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.24	J0145619L	April 2009 production
1.	Printer	1.21	J0145615P	
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.22	J0145619H	December 2008 production
1.	Printer	1.19	J0145615M	·
2.	Master Controller	2.63c	J0135613M	
3.	Ethernet Board	2.72	J0145614D	
Pag	ckage	1.18	J0145619G	July 2008 production
1.	Printer	1.18	J0145615L	
2.	Master Controller	2.60a	J0135613L	



**PAGE: 2/4** 

Reissued: 07-Jan-14

Model: T-MF1bN			Date: 1	3-Jan-08	No.: RJ012011i		
3.	3. Ethernet Board 2.68 J014561		4C				
Pag	ckage	1.17	J0145619G		June 2008 production		
1.	1. Printer 1.16		J0145615K				
2.	Master Controller	2.59c	J0135613J				
3.	Ethernet Board	2.68	J014561	4C			
Pag	ckage	1.11	J014561	9D	1st mass prod	duction (Dec. 2007)	
1.	Printer	1.09	J014561	5F	Not released	on WEB or RISSN	
2.	Master Controller	1.07f	J013561	3H	server.	OII WED OF THOON	
3.	3. Ethernet Board		J014561	J0145614		361 V61.	

Version	Symptom Corrected			
1.34	Symptom corrected:			
	Some fax data may be corrupted if the network speed cannot keep up with			
	the fax processing speed.			
1.30	Symptom corrected:			
	Rarely tray paper size is mis-detected when receiving FAX. This symptom occurs			
4.00	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).			
	with link (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:			
	Wording change (LCD screen and Summary Report): "Level Color" was			
	changed to "Economy Color"			
	Companies and a support of the			
	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:			
	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			
1.22	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			



**PAGE: 3/4** 

Reissued: 07-Jan-14

Model: T-MF	1bN Date: 13-Jan-08 No.: RJ012011i				
Version	Symptom Corrected				
	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 in the POP3 server (those that have not yet been sent to the machine) are deleted.  8. Garbled characters might be displayed in the WIM interface.				
	Other changes: The ftpd is disabled by default. This change does not affect any client functions.				
1.18	<ol> <li>Symptom corrected:</li> <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> <li>Other changes:</li> </ol>				
	Automatic maintenance was optimized so as to eliminate unnecessary maintenance, and therefore reduce the amount of ink consumed.				
1.17	<ol> <li>Specification changed:         <ol> <li>Supports FAX Forwarding:</li></ol></li></ol>				
	has been set for the machine operation panel.  9. The following SCs were added:				



PAGE: 4/4

Reissued: 07-Jan-14

Model: T-MF1bN		Date: 13-Jan-08	No.: RJ012011i	
Version	Sympto	m Corrected		
	<ul> <li>SC976 (Printer head error at a</li> <li>SC977 (Printer head error occ</li> <li>Machine functions developed for the destination code to China and</li> </ul>	urs at running). he China model can be	•	
	Symptom corrected:  1. If the printing data includes an image of a certain size, the print job is stopped and communication with the PC is cut.			
	<ol> <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</li> </ol>			
The firmware was updated in order to comply with the to electrical standards in Australia, New Zealand, Setting 1. S			est revisions made frica, and China.	
	5. Part of the email notification sent vincorrect.	when the ink waste tank	is full was	
	6. An Address Book Restore perform the Address Book contains certain		s fails if an entry in	
	<ul><li>7. Minor issues with FAX communica</li><li>8. Too much ink is ejected when prin</li></ul>		(B/W only).	
	9. System error 0002 sometimes occ			
1.11	1st mass production			