Reissued: 07-Feb-08

Model: PN-Fa	Date: 6-Mar-07	No.: RH320001d

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03p	***H320103p***	***December 2007 production***
1.03h	H320103h	August 2007 production
1.03e	H320103e	May 2007 production
1.02p	H320102p	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03p	***Other changes:*** ***1. The speaker volume for direct transmission was increased.*** ***2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).***
1.03h	Symptom corrected: 1. Wording error ("FAX-ANSW.") in Italian. 2. The "#4" function was deleted. (see RTB RB279002).
1.03e	1. Shows the message correctly in Korea languages as "Enter your fax - number and name"on the 2nd LCD line. 2. Special 2 dial tone of Brazil are adjusted
1.02p	1st Mass production.

Reissued: 28-Aug-07

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002c

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03h	***H321103h***	***August 2007 production***
1.03e	H321103e	May 2007 production
1.02p	H321102	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03h	***Symptom corrected:*** ***1. The machine does not resume the job after a paper jam is cleared.*** ***2. Sometimes, it is not possible to print JPEG files with a pixel width of 5000 or more uploaded from a USB memory stick.*** ***3. Wording error ("FAX-ANSW.") in Italian.*** ***4. The "#4" function was deleted. (See RTB RB279002).*** ***Other changes:*** ***1. An error message was added for when a second USB memory stick is inserted.***
1.03e	1. Solved the problem showing "Toner empty" during PC printing. 2. Solved the problem showing "Paper empty" during USB print. * 3. Solved the problem under hook condition during getting the special busy tone in Brazil. * 4. Solved the problem showing "Heating" after no feed by PC printing * 5. Becomes possible to print by USB memory(JPEG file) with choosing 10x15/A4 size correctly. * 6. Becomes possible to print by USB memory with choosing the Letter/Legal size correctly. 7. Becomes to use the USB U3 type of memory stick. 8. Becomes possible to set Israel network parameters. * 9. Translation of Russia languages on LCD messages. * 10. Special 2 dial tone of Brazil are adjusted. *
1.02p	1st Mass production.

Model: Model PN-Fa / Fc	Date: 17-Apr-07	No.: RH320003

Subject: Firmware upgrade method			Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☒ Other ( )		

The Service Manual was changed as follows:

- **Delete** the engine firmware update procedure on pg. 104-111.

Model: Model PN-F	Date: 5-Jul-07	No. RH320004

Subject : Caution “Erase the consumable counters”	Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support Dept.	

Classification:			
	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	

Symptom

When “Erase the consumable counters” is executed, all machine settings return to the factory defaults and the machine displays “WAITING FOR INIT CARD”.

Cause

Firmware bug

Solution

Firmware:

This function ("Erase the consumable counters") will be deleted.
(▼-> # -> 4)

Release date: End of July 07 (After V1.03e)

In the field:

Until the new firmware is released, do not execute “Erase the consumable counters”.

(▼ -> # -> 4)

Administrator Functions

Initializing and erasing memory

Before you start, set the “Soft-Switch 1” bit 8 parameter value to1.

Description	Input Keys
Reset all parameters (user, installer or technical) to the default configuration (factory configuration):	▼ > "#" > "0"
Erase the directory:	▼ > "#" > "1"
Erase the logs :	▼ > "#" > "2"
Erase the printer counters:	▼ > "#" > "3"
Erase the consumable counters (▼, "8", "5"): Note • To see the initialization message (this requires inserting the smart card INIT), switch On then Off.	Open the front door then: ▼ > "#" > "4"

Reissued: 18-Feb-08

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002d

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03p	***H321103p***	***January 2008 production***
1.03h	H321103h	August 2007 production
1.03e	H321103e	May 2007 production
1.02p	H321102	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03p	***Symptom corrected:*** ***1. Images printed with a GDI driver appear shifted on the paper.*** ***2. If the user selects "All" when printing from a USB memory stick, and then specifies two or more prints per image, only one is printed out per image.*** ***Other changes:*** ***1. The speaker volume for direct transmission was increased.*** ***2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).***
1.03h	Symptom corrected: 1. The machine does not resume the job after a paper jam is cleared. 2. Sometimes, it is not possible to print JPEG files with a pixel width of 5000 or more uploaded from a USB memory stick. 3. Wording error ("FAX-ANSW.") in Italian. 4. The "#4" function was deleted. (see RTB RB279002). Other changes: 1. An error message was added for when a second USB memory stick is inserted.

Reissued: 18-Feb-08

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002d

Version	Modified Points or Symptom Corrected
1.03e	1. Solved the problem showing "Toner empty" during PC printing. 2. Solved the problem showing "Paper empty" during USB print. * 3. Solved the problem under hook condition during getting the special busy tone in Brazil. * 4. Solved the problem showing "Heating" after no feed by PC printing * 5. Becomes possible to print by USB memory(JPEG file) with choosing 10x15/A4 size correctly. * 6. Becomes possible to print by USB memory with choosing the Letter/Legal size correctly. 7. Becomes to use the USB U3 type of memory stick. 8. Becomes possible to set Israel network parameters. * 9. Translation of Russia languages on LCD messages. * 10. Special 2 dial tone of Brazil are adjusted. *
1.02p	1st Mass production.

Model: Model PN-Fa / Model PN-Fc	Date: 23-Jul-08	No.: RH320005

Subject : ADF No-feed problem	Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support Dept.	

Classification:			
	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier2

SYMPTOM

The document cannot be fed when it is loaded in the ADF.

CAUSE

The paper catches on the ribs of the paper input guide.

SOLUTION

Production line:

The shapes of the parts listed below were changed.

Cut in S/N:

	RAC	RF	RA	Oceania	RCN	Korea	Russia
Model PN-C1	1st Mass Production	M0879120688	M0879140252	M0879250064	M0879260230	M0879280384	M0879290320
Model PN-Fa		A5479222225	A5479240072	A5479250064	A5479160113	A5479280384	
Model PN-Fc	A5579200110	A5579220384					

In the field:

If the symptom is reported on a machine produced before the cut-in S/N, replace the paper input guide, paper feed roller foam, and paper deflect guide with the following new parts **together as a set:**

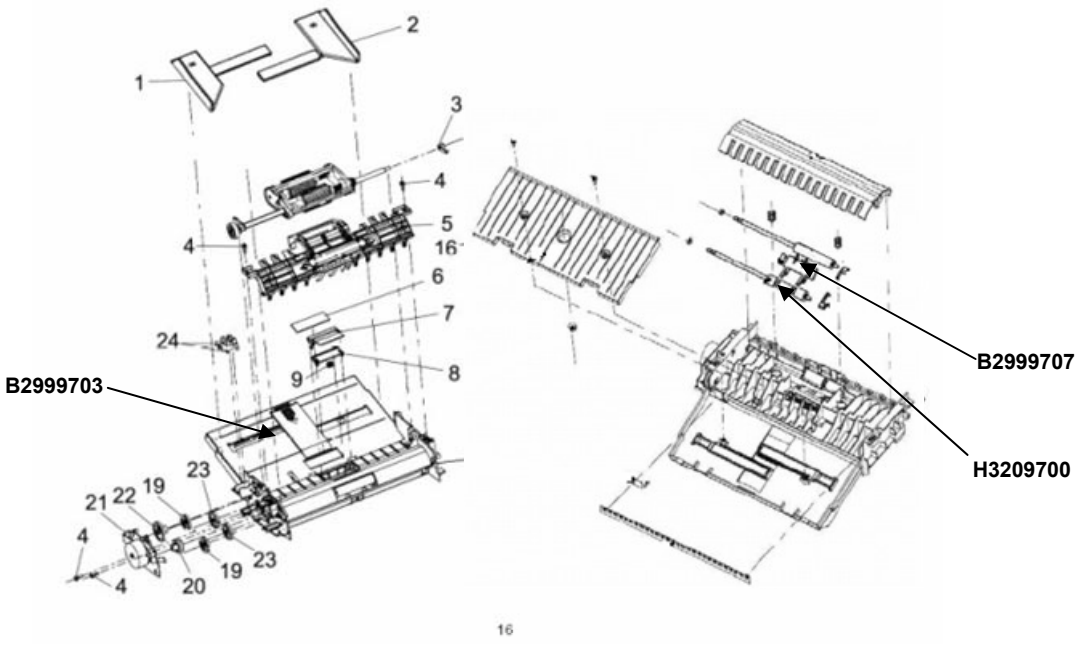
B2999703: PAPER INPUT GUIDE
H3209700: ANALYSIS ROLLER 2
B2999707: PAPER DEFLECT GUIDE

<H320/H321> (Model PN-Fa/c)

OLD part number	**New part number**	Description	Q'ty	Int	Page	Index	Note
B2999557	**B2999703**	PAPER INPUT GUIDE	1		13	7	
B2999565	B2999565	ANALYSIS ROLLER	**2-1**		13	15	
	H3209700	ANALYSIS ROLLER 2	**2-1**		13	23	
-	**B2999707**	PAPER DEFLECT GUIDE	1		13	24	

Model: Model PN-Fa / Model PN-Fc	Date: 23-Jul-08	No.: RH320005

8.ADF Unit 2 (B299)



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Model: Model PN-Fa / Model PN-Fc	Date: 23-Jul-08	No.: RH320006

Subject : The image was waved by ADF scan	Prepared by: T. Shintani
From: 1st Tech. Support Sec. Service Support Dept.	

Classification:			
	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier2

SYMPTOM

When the document is scanned by the ADF, parts of the image are slightly elongated along the sub-scan direction (at 13mm, 50mm, 230mm from the leading edge).

CAUSE

The document bumps the paper guide and feed rollers during feeding.

SOLUTION

Production line:

The shapes of the parts listed below were changed.

Cut in S/N:

	RAC	RF	RA	Oceania	RCN	Korea	Russia
Model PN-C1	*	M0879520001	M0879240344	M0879550001	M0879560321	M0879680769	M0879520001
Model PN-Fa		A5479520769	A5479540001	A5479550001	A5479460160	A5479580769	
Model PN-Fc	A5579500001	A5579520001					

***:** Production of the N.A. model of the PN-C1 has been under temporary suspension. After the Nov. 2007 production, the countermeasure is applied.

In the field:

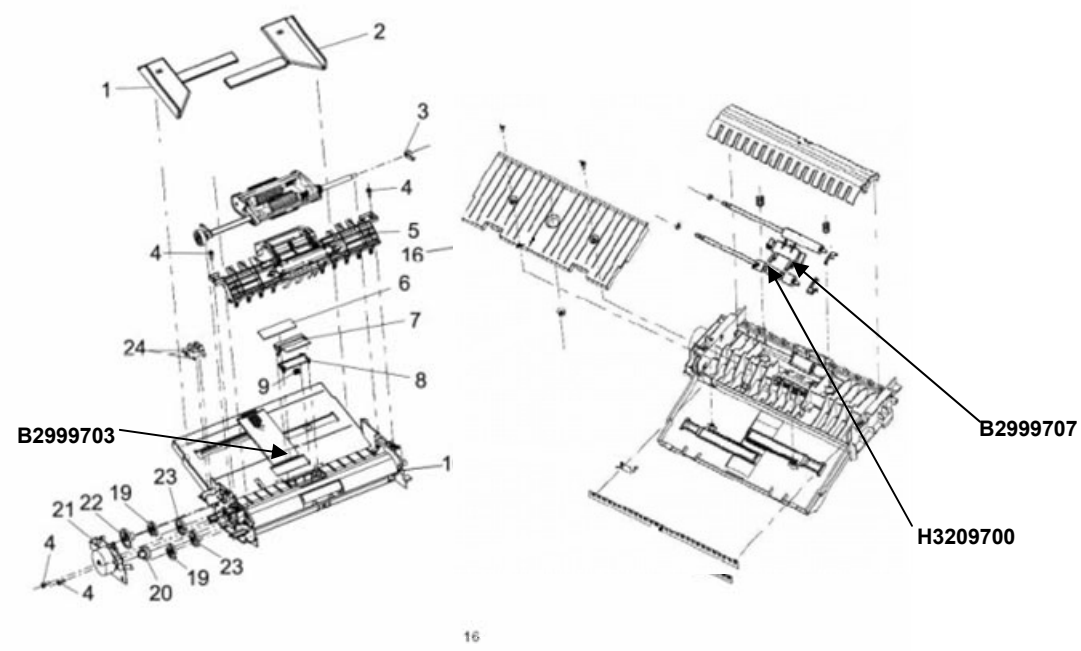
If the symptom is reported on a machine produced before the cut-in S/N, replace the ADF exit tray, paper input guide, foam, and paper deflect guide with the following new parts **together as a set:**

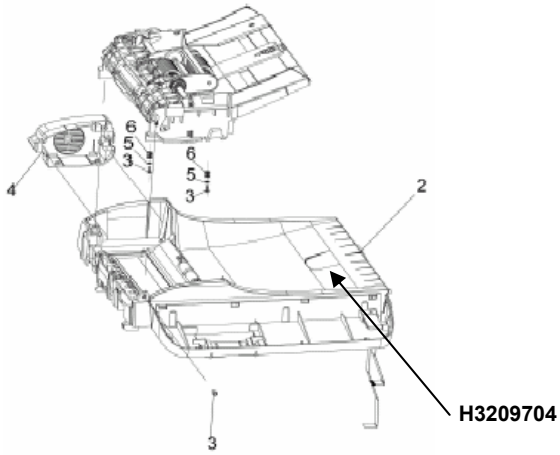
H3209704: UPPER COVER
B2999703: PAPER INPUT GUIDE
H3209700: ANALYSIS ROLLER 2
B2999707: PAPER DEFLECT GUIDE

OLD part number	**New part number**	Description	Q'ty	Int	Page	Index	Note
H3207513	**H3209704**	UPPER COVER	1		11	2	
B2999557	**B2999703**	PAPER INPUT GUIDE	1		13	7	
B2999565	B2999565	ANALYSIS ROLLER	**2-1**		13	15	
	H3209700	ANALYSIS ROLLER 2	**2-1**		13	23	
-	**B2999707**	PAPER DEFLECT GUIDE	1		13	24	

Model: Model PN-Fa / Model PN-Fc	Date: 23-Jul-08	No.: RH320006

8.ADF Unit 2 (B299)





RICOH **Technical Bulletin**

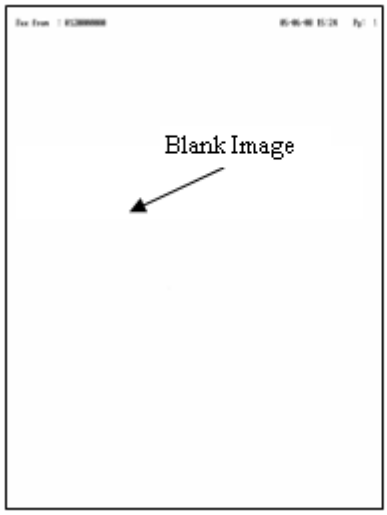
Model: Model PN-Fa / Model PN-Fc/ Model PN-C1	Date: 10-Dec-08	No.: RH320007

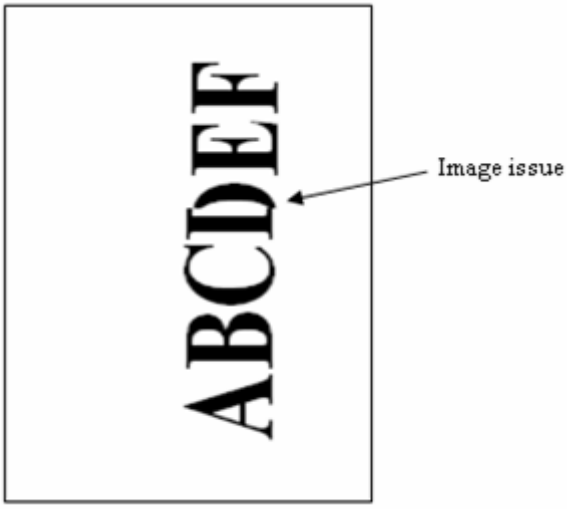
Subject : Blank image with Receiving Header, Digital image problem on Receiving Fax	Prepared by: Y. Yoshida
From: 1st Tech. Support Sec. Service Support Dept.	

Classification:			
	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☒ Tier2

SYMPTOM

1. An incoming Fax image is blank (but contains the Fax headers)
2. Some parts of incoming Fax Image are shifted or blank.





CAUSE

The Fax line is unstable or electrical noise distorts the Fax line signal.

SOLUTION

Try the troubleshooting Procedure on the next page.

Reissued: 18-Feb-09

Model: PN-Fa	Date: 6-Mar-07	No.: RH320001e

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: Y. Yoshida
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03u	***H320103u***	***January 2009 production***
1.03p	H320103p	December 2007 production
1.03h	H320103h	August 2007 production
1.03e	H320103e	May 2007 production
1.02p	H320102p	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03u	***Symptom corrected:*** ***1. (NA model only): Incoming telephone calls are not transferred to the answering machine, because the machine is not able to detect the CNG tone (which identifies the incoming communication as a telephone call or fax).***
1.03p	Other changes: 1. The speaker volume for direct transmission was increased. 2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).
1.03h	Symptom corrected: 1. Wording error ("FAX-ANSW.") in Italian. 2. The "#4" function was deleted. (see RTB RB279002).
1.03e	1. Shows the message correctly in Korea languages as "Enter your fax - number and name"on the 2nd LCD line. 2. Special 2 dial tone of Brazil are adjusted
1.02p	1st Mass production.

Reissued: 18-Feb-09

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002e

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: Y. Yoshida
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03u	***H321103u***	***February 2009 production***
1.03p	H321103p	January 2008 production
1.03h	H321103h	August 2007 production
1.03e	H321103e	May 2007 production
1.02p	H321102	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03u	***Symptom corrected:*** ***(NA model only): Incoming telephone calls are not transferred to the answering machine, because the machine is not able to detect the CNG tone (which identifies the incoming communication as a telephone call or fax).***
1.03p	Symptom corrected: 1. Images printed with a GDI driver appear shifted on the paper. 2. If the user selects "All" when printing from a USB memory stick, and then specifies two or more prints per image, only one is printed out per image. Other changes: 1. The speaker volume for direct transmission was increased. 2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).
1.03h	Symptom corrected: 1. The machine does not resume the job after a paper jam is cleared. 2. Sometimes, it is not possible to print JPEG files with a pixel width of 5000 or more uploaded from a USB memory stick. 3. Wording error ("FAX-ANSW.") in Italian. 4. The "#4" function was deleted. (see RTB RB279002). Other changes: 1. An error message was added for when a second USB memory stick is inserted.

Reissued: 18-Feb-09

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002e

Version	Modified Points or Symptom Corrected
1.03e	1. Solved the problem showing "Toner empty" during PC printing. 2. Solved the problem showing "Paper empty" during USB print. * 3. Solved the problem under hook condition during getting the special busy tone in Brazil. * 4. Solved the problem showing "Heating" after no feed by PC printing * 5. Becomes possible to print by USB memory(JPEG file) with choosing 10x15/A4 size correctly. * 6. Becomes possible to print by USB memory with choosing the Letter/Legal size correctly. 7. Becomes to use the USB U3 type of memory stick. 8. Becomes possible to set Israel network parameters. * 9. Translation of Russia languages on LCD messages. * 10. Special 2 dial tone of Brazil are adjusted. *
1.02p	1st Mass production.

Reissued: 19-Oct-09

Model: PN-Fa	Date: 6-Mar-07	No.: RH320001f

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: Y.Gaman
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03y	***H320103y***	***October 2009 production***
1.03u	H320103u	January 2009 production
1.03p	H320103p	December 2007 production
1.03h	H320103h	August 2007 production
1.03e	H320103e	May 2007 production
1.02p	H320102p	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03y	***Symptom corrected:*** ***1. If a fax is sent while error code 07 is displayed, the machine will freeze or the image will appear abnormal on the receiving end.*** ***2. Under specific conditions, the background of a received fax appears black.***
1.03u	Symptom corrected: 1. (NA model only): Incoming telephone calls are not transferred to the answering machine, since the machine is not able to detect the CNG tone (which identifies the incoming communication as a telephone call or fax).
1.03p	Other changes: 1. The speaker volume for direct transmission was increased. 2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).
1.03h	Symptom corrected: 1. Wording error ("FAX-ANSW.") in Italian. 2. The "#4" function was deleted. (see RTB RB279002).
1.03e	1. Shows the message correctly in Korea languages as "Enter your fax - number and name"on the 2nd LCD line. 2. Special 2 dial tone of Brazil are adjusted
1.02p	1st Mass production.

Reissued: 19-Oct-09

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002f

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: Y. Gaman
From: 1st Tech. Support Sec. Service Support 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 the ***System FW***

Version	Program No.	Effective Date
1.03y	***H320103y***	***October 2009 production***
1.03u	H321103u	February 2009 production
1.03p	H321103p	January 2008 production
1.03h	H321103h	August 2007 production
1.03e	H321103e	May 2007 production
1.02p	H321102	1st Mass production.

Version	Modified Points or Symptom Corrected
1.03y	***Symptom corrected:*** ***1. If a fax is sent while error code 07 is displayed, the machine will freeze or the image will appear abnormal on the receiving end.*** ***2. Under specific conditions, the background of a received fax appears black.***
1.03u	Symptom corrected: (NA model only): Incoming telephone calls are not transferred to the answering machine, since the machine is not able to detect the CNG tone (which identifies the incoming communication as a telephone call or fax).
1.03p	Symptom corrected: 1. Images printed with a GDI driver appear shifted on the paper. 2. If the user selects "All" when printing from a USB memory stick, and then specifies two or more prints per image, only one is printed out per image. Other changes: 1. The speaker volume for direct transmission was increased. 2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).
1.03h	Symptom corrected: 1. The machine does not resume the job after a paper jam is cleared. 2. Sometimes, it is not possible to print JPEG files with a pixel width of 5000 or more uploaded from a USB memory stick. 3. Wording error ("FAX-ANSW.") in Italian. 4. The "#4" function was deleted. (see RTB RB279002).

Reissued: 19-Oct-09

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002f

Version	Modified Points or Symptom Corrected
	Other changes: 1. An error message was added for when a second USB memory stick is inserted.
1.03e	1. Solved the problem showing "Toner empty" during PC printing. 2. Solved the problem showing "Paper empty" during USB print. * 3. Solved the problem under hook condition during getting the special busy tone in Brazil. * 4. Solved the problem showing "Heating" after no feed by PC printing * 5. Becomes possible to print by USB memory(JPEG file) with choosing 10x15/A4 size correctly. * 6. Becomes possible to print by USB memory with choosing the Letter/Legal size correctly. 7. Becomes to use the USB U3 type of memory stick. 8. Becomes possible to set Israel network parameters. * 9. Translation of Russia languages on LCD messages. * 10. Special 2 dial tone of Brazil are adjusted. *
1.02p	1st Mass production.

Reissued: 08-Apr-10

Model: PN-Fa	Date: 6-Mar-07	No.: RH320001g

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: Y.Gaman
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 the ***System FW***

Version	Program No.	Effective Date
1.06b	***H320106b***	***February 2010 production***
1.03y	H320103y	October 2009 production
1.03u	H320103u	January 2009 production
1.03p	H320103p	December 2007 production
1.03h	H320103h	August 2007 production
1.03e	H320103e	May 2007 production
1.02p	H320102p	1st Mass production

Version	Modified Points or Symptom Corrected
1.06b	***Other changes:*** ***1. ADF and Scanner control were further improved.***
1.03y	Symptom corrected: 1. If a FAX is sent while error code 07 is displayed, the machine will freeze or the image will appear abnormal on the receiving end. 2. Under specific conditions, the background of a received FAX appears black.
1.03u	Symptom corrected: 1. (NA model only): Incoming telephone calls are not transferred to the answering machine, since the machine is not able to detect the CNG tone (which identifies the incoming communication as a telephone call or fax).
1.03p	Other changes: 1. The speaker volume for direct transmission was increased. 2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).
1.03h	Symptom corrected: 1. Wording error ("FAX-ANSW.") in Italian. 2. The "#4" function was deleted. (see RTB RB279002).
1.03e	1. Shows the message correctly in Korea languages as "Enter your fax - number and name"on the 2nd LCD line. 2. Special 2 dial tone of Brazil are adjusted
1.02p	1st Mass production

Reissued: 08-Apr-10

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002g

RTB Correction

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

Subject: Firmware Release Note: ***System FW***			Prepared by: Y. Gaman
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 the ***System FW***

Version	Program No.	Effective Date
1.06b	***H321106b***	***February 2010 production***
1.03y	H320103y	October 2009 production
1.03u	H321103u	February 2009 production
1.03p	H321103p	January 2008 production
1.03h	H321103h	August 2007 production
1.03e	H321103e	May 2007 production
1.02p	H321102	1st Mass production

Version	Modified Points or Symptom Corrected
1.06b	***Other changes:*** ***1. ADF and Scanner control were further improved.***
1.03y	Symptom corrected: 1. If a FAX is sent while error code 07 is displayed, the machine will freeze or the image will appear abnormal on the receiving end. 2. Under specific conditions, the background of a received FAX appears black.
1.03u	Symptom corrected: (NA model only): Incoming telephone calls are not transferred to the answering machine, since the machine is not able to detect the CNG tone (which identifies the incoming communication as a telephone call or fax).
1.03p	Symptom corrected: 1. Images printed with a GDI driver appear shifted on the paper. 2. If the user selects "All" when printing from a USB memory stick, and then specifies two or more prints per image, only one is printed out per image. Other changes: 1. The speaker volume for direct transmission was increased. 2. The pick-up roller will be raised to the upper position if an ADF jam occurs (making it easier to remove the jammed original).
1.03h	Symptom corrected: 1. The machine does not resume the job after a paper jam is cleared. 2. Sometimes, it is not possible to print JPEG files with a pixel width of 5000 or more uploaded from a USB memory stick.

Model: PN-Fc	Date: 6-Mar-07	No.: RH320002g

Version	Modified Points or Symptom Corrected
	3. Wording error ("FAX-ANSW.") in Italian. 4. The "#4" function was deleted. (see RTB RB279002). Other changes: 1. An error message was added for when a second USB memory stick is inserted.
1.03e	1. Solved the problem showing "Toner empty" during PC printing. 2. Solved the problem showing "Paper empty" during USB print. * 3. Solved the problem under hook condition during getting the special busy tone in Brazil. * 4. Solved the problem showing "Heating" after no feed by PC printing * 5. Becomes possible to print by USB memory(JPEG file) with choosing 10x15/A4 size correctly. * 6. Becomes possible to print by USB memory with choosing the Letter/Legal size correctly. 7. Becomes to use the USB U3 type of memory stick. 8. Becomes possible to set Israel network parameters. * 9. Translation of Russia languages on LCD messages. * 10. Special 2 dial tone of Brazil are adjusted. *
1.02p	1st Mass production

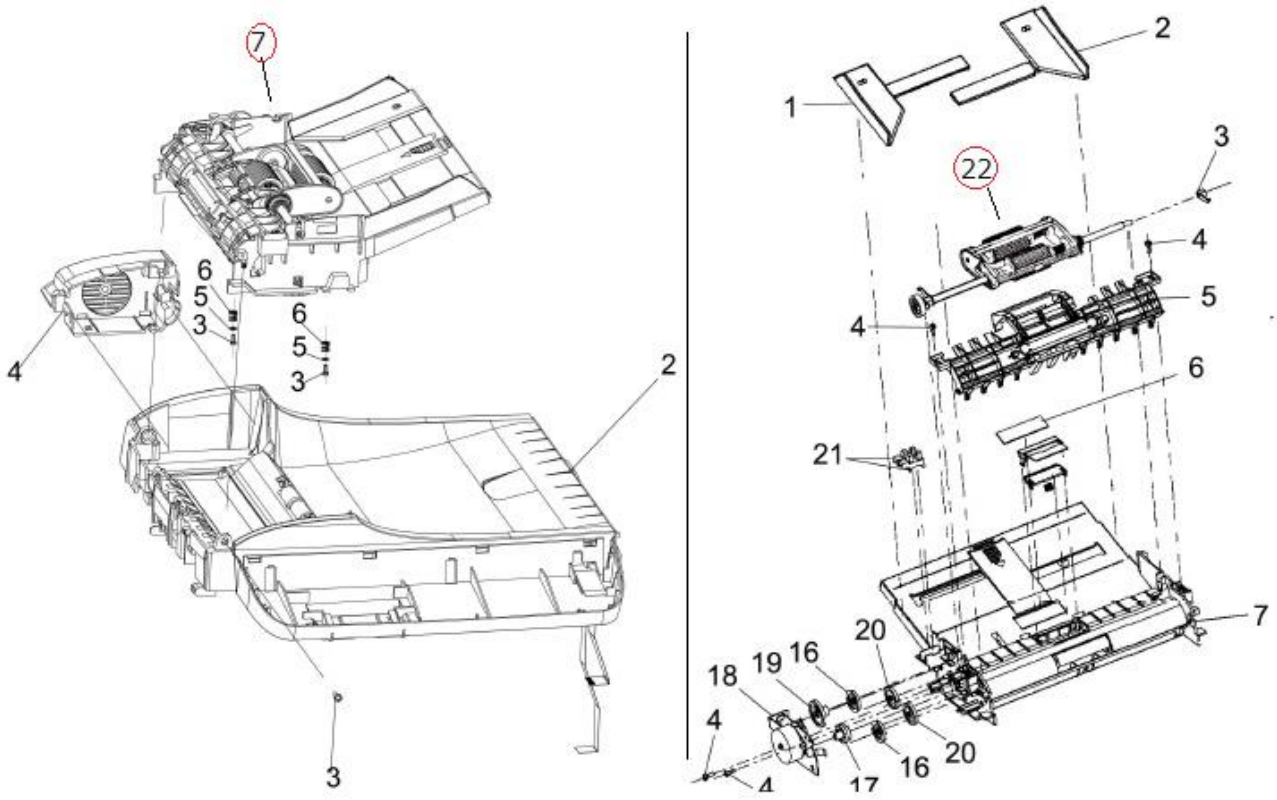
RICOH **Technical Bulletin**

Model:PN-F1	Date: 23-Oct-15	No.:RH320008

Subject: ADF PAPER FEED ASS'Y	Prepared by: Y. Gaman
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Old part number	**New part number**	Description	Q'ty	Int	Page	Index	Note
M0489501	**-**	PAPER FEED ROLLER ASS'Y:253240690	1	X/O	13	22	
-	**M0489502**	ADF PAPER FEED ASS'Y 253017421:252970629	1	X/O	11	7	

Change/Reason: Vendor change

Due to a vender change, Paper Roller Ass'y (Index 25) cannot be supplied any more.
Please replace the assembly of M0489502 (New Index 7) instead.