Reissued: 07-Mar-17

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255002b

RTB Reissue

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

Subject: Firmware Release Note: Engine			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
01.05:01	D2555830A	May 2016 production	Available
01.04:01	D2555830	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
01.05:01	Symptom corrected: The machine may freeze with "copying" displayed on the operation panel.
01.04:01	1st Mass production

HC model for USA/Europe

Version	Program No.	Effective Date	Availability of RFU
01.05a:01	***D2555830A_LR0818***	***1st Mass production***	***Available***

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

Version	Modified Points or Symptom Corrected
01.05a:01	***1st Mass production***

Reissued: 09-Nov-16

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255003c

RTB Reissue

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

Subject: Firmware Release Note: Engine(IPU)			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

This RTB has been issued to announce the firmware release information for the **Engine (IPU).**

Version	Program No.	Effective Date	Availability of RFU
1.04:04	D2555810C	November 2016 production	Available
1.03:04	D2555810B	June 2016 production	Available
1.02:04	D2555810A	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.04:04	Symptom corrected: - Attempting to resolve an SC by power cycling the machine OFF/ON may cause an SC991. - Image printed on the leading edge of the back side of duplex may be missing in scan/print jobs using the ADF. - SC (SC120/SC700) may not be alerted even if mechanical problems occur with the scanner unit. - ***Serial number information stored in SP5-811-001 is corrupted and the following may not work:*** ***- @Remote registration via external appliances*** ***- User authentication in SDK application***
1.03:04	Symptom corrected: SC670 may occur after running approximately 3500 jobs keeping the power ON continuously and not entering energy saver mode.
1.02:04	1st Mass production

Reissued: 29-Nov-16

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255005c

RTB Reissue

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

Subject: Firmware Release Note: Network Support			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☐ Part information ☐ Electrical ☐ Transmit/receive ☒ Other (Firmware)	☐ Action required ☐ Service manual revision ☐ Retrofit information ☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
15.59	***D2555753D***	***December 2016 production***	***Available***
15.58.1	D2555753C	July 2016 production	Available
15.57	D2555753B	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
15.59	***Symptom Corrected:*** ***1. When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.*** ***2. When the device has the USB device server option enabled and is connected to macOS via a USB cable, the PS driver cannot be installed on the computer. If the PS driver is already installed, printing might fail.*** ***3. When AirPrint is set to "Disabled" in Web Image Monitor, AirPrint printing can still be conducted via USB cable.*** ***4. If the device has not being used a significant amount of times, functions that require a network connection might fail.***
15.58.1	Other changes: 1. Support for AirPrint. This firmware is dependent on Printer firmware v1.02 (D2555756C) or later, so please be sure to also update that firmware. 2. To avoid a window that warns about the security certificate from being displayed when connected to Web Image Monitor, the default value of the "Permit SSL/TLS Communication" setting has been changed from "Ciphertext Priority" to "Ciphertext/Cleartext". Note: Configurations will not be automatically changed when the firmware is updated. This value will be the default in devices that have Network Support v15.58.1 installed from mass production.
15.57	1st Mass production

Reissued: 11-Jan-17

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255008b

RTB Reissue

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

Subject: Firmware Release Note: Web Uapl			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.02	***D2555751D***	***January 2017 production***	***Available***
1.01	D2555751C	September 2016 production	Available
1.00	D2555751B	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.02	***Other changes:*** - ***Minor changes.***
1.01	Symptom corrected: - Web Image Monitor might time out if the device is turned on and goes in and out of Energy Saver Mode 100 times before it is turned off. - Web Image Monitor might encounter a "404 Not Found" error when attempting to display a list of stored files from a link sent via email.
1.00	1st Mass production

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255009

Subject: Firmware Release Note: PowerSaving Sys			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
F.L3.06	D2555775A	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
F.L3.06	1st Mass production

Reissued: 02-Dec-16

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255014b

RTB Reissue

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

Subject: Firmware Release Note: PCL			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.04	***D2555759D***	***December 2016 production***	***Available***
1.03	D2555759C	September 2016 production	Available
1.02	D2555759B	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.04	***Symptom corrected:*** ***1. PCL macros that were uploaded to the HDD cannot be printed. (GFPR#RE16080014)*** ***2. When characters that contain the incorrect TrueType font data are printed, not only are incorrect characters missing but so are correct characters that follow incorrect characters. (GFPR#RE16030046)***
1.03	Symptom corrected: Some lines of text and/or dotted lines might be missing when using the PCL overlay macro. (GFPR#RC16040013)
1.02	1st Mass production

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255016

Subject: Firmware Release Note: PS3			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

This RTB has been issued to announce the firmware release information for the **PS3.**

Version	Program No.	Effective Date	Availability of RFU
1.00	D2555763A	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.00	1st Mass production

Model: **Brz-MF1**	Date: 23-May-16	No.: RD255019

Subject: Firmware Release Note: aics			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
01.00.00	D3CP5759	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
01.00.00	1st Mass production

Reissued: 03-Mar-17

Model: Brz-P1, Brz-MF1, BR-C2, BR-P2, CH-C2 Office/***Pro, Cor-C1.5, Gim-MF1.5dM, GR-C3,*** MT-C6, MET-C2ab, MET-C2cde, MET-C2yz, ***MET-P2, Midas-P3, Vesta-P1d_15S***	Date: 23-May-16	No.: RD255020b

RTB Reissue

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

Subject: Firmware Release Note: OptionSD FONT			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
0.00	D3BC5277	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
0.00	1st Mass production

Reissued: 25-May-16

Model: **MET-C2ab/MET-C2cde/MET-C2yz/ *Brz-MF1/MT-C6/Gim-MF1.5dM***	Date: 13-May-16	No.: RD239016a

RTB Reissue

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

Subject: Firmware Release Note: PCL Font			Prepared by: M. Kumagai
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.09	D2415586	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.09	1st Mass production

Model: **Mo-C2/*MET-C2ab/MET-C2cde/MET-C2yz/ Brz-MF1/MT-C6/Gim-MF1.5dM/CH-C2/CH-C2Pro***	Date: 04-Mar-16	No.: RD262032a

Subject: Firmware Release Note: PS3 Font			Prepared by: Y. Kurohashi
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☒ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

This RTB has been issued to announce the firmware release information for the **PS3 Font**.

Version	Program No.	Effective Date	Availability of RFU
1.17	D2415681	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.17	1st Mass production

Model: Brz-P1/MF1	Date: 31-May-16	No.: RD255021

Subject: Supplementary information on the two engine firmware	Prepared by: T. Tachibana
From: 2nd 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 (firmware)	☐ Tier 2 ☐ Tier 0.5

This bulletin provides supplementary information on the engine firmware.

- There is two engine firmware for two engine boards.

Board name	Firmware name	Program No.	Explanation
BiCU	Engine (IPU)	D2555810	Engine board designed by Ricoh.
IOB	Engine	D2555830	Engine board designed by Supplier.

Reissued: 31-May-16

Model: **Mo-C2/*MET-C2ab/MET-C2cde/MET-C2yz/MT-C6/BrazilI-MF1***	Date: 04-Mar-16	No.: RD262033a

RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Font EXP			Prepared by: Y. Kurohashi
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☒ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.00	D2415581	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected
1.00	1st Mass production

Reissued: 06-Jun-16

Model: GR-C2_SOP, ***Mo-C2, Lef-C1, MET-C2ab, MET-C2cde, MET-C2yz, MT-C6, Brz-MF1***	Date: 30-Jul-15	No.: RD196026a

RTB Reissue

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

Subject: Firmware Release Note: IWnnIME for eDC			Prepared by: C. Shimaji
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
2.3.3	D1961403_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
2.3.3	1st Mass production

Reissued: 14-Dec-16

Model:	Date:	No.:
Lef-C1/ Brz-MF1/*CH-C2/Cor-C1.5/* **Gim-MF1.5dM/ GR-C2/*GR-C3/*MT-C6/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2	10-Jun-16	RD259045a

RTB Reissue

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

Subject: Firmware Release Note: NFCPlugin for eDC			Prepared by: H. Morishima
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
2.12.00	D2411452_forEDC	June 2016 production	Not Available

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

Version	Modified Points or Symptom Corrected
2.12.00	Specification Change: - The previously packaged QuickCardAuth firmware was divided into five individual firmware. <before> QuickCardAuth <after> QuickCardAuth ICCardDispatcher NFCPlugin USBCardPlugin BLEPlugin Symptom corrected: Applications can be uninstalled from Web Image Monitor.

Reissued: 14-Dec-16

Model:	Date:	No.:
Lef-C1/ Brz-MF1/*CH-C2/Cor-C1.5/* Gim-MF1.5dM/ GR-C2/*GR-C3/*MT-C6/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2	10-Jun-16	RD259046a

RTB Reissue

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

Subject: Firmware Release Note: USBCardPlugin for eDC			Prepared by: H. Morishima
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
2.12.00	D2411459_forEDC	June 2016 production	Not Available

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

Version	Modified Points or Symptom Corrected
2.12.00	Specification Change: - The previously packaged QuickCardAuth firmware was divided into five individual firmware. <before> QuickCardAuth <after> QuickCardAuth ICCardDispatcher NFCPlugin USBCardPlugin BLEPlugin Symptom corrected: Applications can be uninstalled from Web Image Monitor.

Reissued: 13-Dec-16

Model:	Date:	No.:
Lef-C1/ Brz-MF1/CH-C2/Cor-C1.5/ Gim-MF1.5dM/ GR-C2/GR-C3/MT-C6/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2	10-Jun-16	RD259047a

RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: BLEPlugin for eDC			Prepared by: N. Yasuda
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
2.12.00	D2411466_forEDC	June 2016 production	Not Available

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

Version	Modified Points or Symptom Corrected
2.12.00	***New Model Supported.*** --- Specification Change: The previously packaged QuickCardAuth firmware was divided into five individual firmware. <before> QuickCardAuth <after> QuickCardAuth ICCardDispatcher NFCPlugin USBCardPlugin BLEPlugin

Model: Brz-MF/P	Date: 27-Jun-16	No.: RD255022

Subject: FSM correction on USB device server notes	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

If the USB Device Server Option Type M19 is installed, the machine will wake up from the energy save mode and print without having to disable the energy save mode. Therefore, please delete the notes below from your field service manual.

2. Installation
> USB Device Server Option Type M19 (D3BC-28, 29)
> Installation Procedure
> Notes for Energy Save Mode Setting

Notes for Energy Save Mode Setting

If the machine which has this option enters the energy save mode, you cannot print because there will be a communication error. Follow the instructions below to disable the energy save mode.

MP 501/601

1. Press the [User Tools] icon on the operation panel.
2. Press [Machine Features].
3. Press [Administrator Tools] in [System Settings].
4. Press [Energy Saver Mode to Disable Print Server].
5. Press [Disable Mode].
6. Press [OK].

SP 5300/5310

1. Select [System] -> Press [OK] on the controller panel.
2. Select [Engy Sv Md to Dsbl Prt Srv] -> Press [OK].
3. Select [Disable Mode] -> Press [OK].

Model: Brz-MF/P	Date: 29-Jun-16	No.: RD255023

Subject: FSM correction on replacing the fusing unit	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

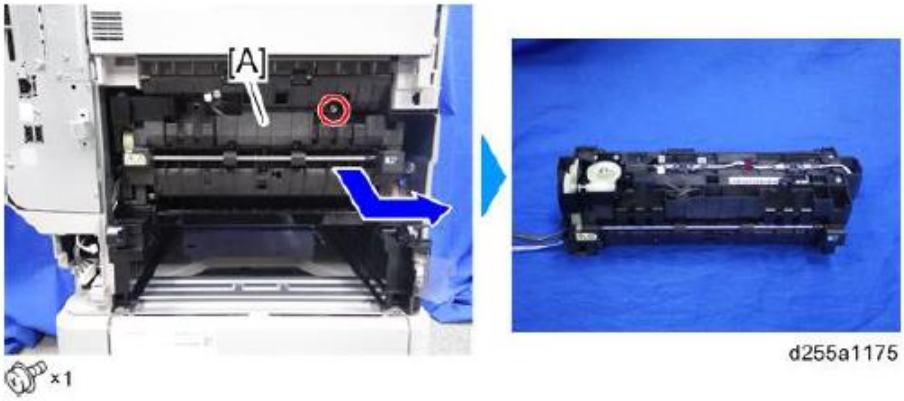
Service Manual Correction:

Please add the following descriptions **in bold** to your field service manual.

4. Replacement and Adjustment > Fusing unit > Fusing unit (P.314~)

Fusing Unit

10. Remove the fusing unit [A].



Note

- When removing the fusing unit [A], release the harness [B] from the mainframe.

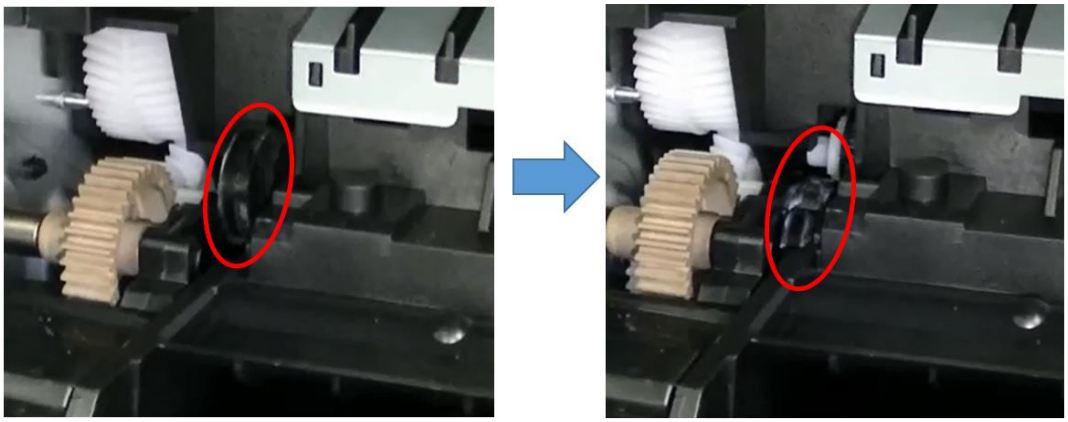
- **When reinstalling the fusing unit, do the following steps.**

(1) Turn ON the power switch after removing the fusing unit and opening the rear cover.

(2) Wait for more than 5 seconds and then turn OFF the power switch.

Note :

The cam on the left side turns backward and releases pressure when the power switch is turned ON.



(3) Reinstall the fusing unit.

Reissued: 22-Jul-16

Model: Brz-MF1	Date: 5-Jul-16	No.: RD255024a

RTB Reissue

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

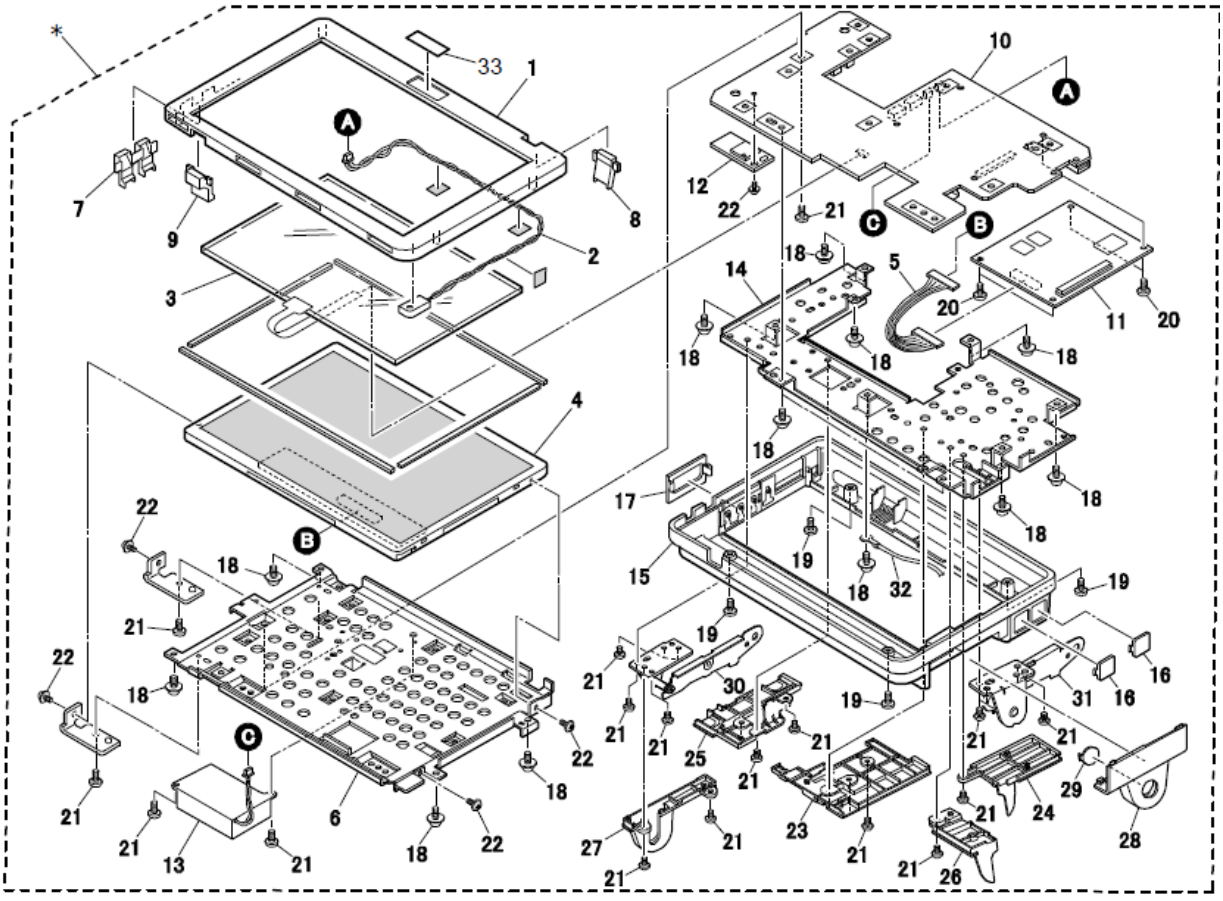
Subject: Parts Catalog Correction (Smart Operation Panel PCB)	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

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

Change/Reason: ***The part numbers announced in the original bulletin were incorrect. This bulletin has been re-issued to correct the mistakes.***

Correct part number	Description	Q'ty	Int	Page	Index	Note
D2411522	***PCB:SUB:ASS'Y***	1	-	4	10	
D2411530	***PCB:MAIN:ASS'Y (EU/NA/AA)***	1	-	4	11	

2.Operation Panel-2



Reissued: 16-Dec-16

Model:	Date:	No.:
Lef-C1/ Brz-MF1/CH-C2/Cor-C1.5/ Gim-MF1.5dM/ GR-C2/GR-C3/MT-C6/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2	29-Jan-16	RD259032i

RTB Reissue

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

Subject: Firmware Release Note: QRCodeforSDC for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
2.1.2	D2411453F_forEDC	***January 2017 production***	Not Available
2.1.1	D2411453E_forEDC	July 2016 production	Not Available
2.1.0	D2411453D_forEDC	May 2016 production	Not Available
2.0.1	D2411453C_forEDC	February 2016 production	Not Available
2.0.0	D2411453B_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
2.1.2	***Other changes:*** - ***New Model Supported.*** Symptom corrected: - The QR code application quits when opening the settings in Taiwanese models. On the Griffin-C2_ch, before installing an application or updating to a new version, the CheetahSystem firmware needs to be updated to v1.09 D2411420K) or later.
2.1.1	Symptom corrected: When Smart Device Connector is installed, it takes a shorter amount of time for the device to start up.
2.1.0	Symptom corrected: Applications can be uninstalled from Web Image Monitor. Other changes: - If Smart Device Connector has not been installed on the device, when the smart device reads the QR code on the Smart Operation Panel, the screen will navigate to the Smart Device Connector website. - Support for the MP 6503SP/MP 7503SP/MP 9003SP, MP 402SPF and MP C306ZSP/C406ZSPF. - Before installing or updating an application, the CheetahSystem firmware needs to be updated to v1.09 (D2411420K) or later.

Reissued: 16-Dec-16

Model:	Date:	No.:
Lef-C1/ Brz-MF1/CH-C2/Cor-C1.5/ Gim-MF1.5dM/ GR-C2/GR-C3/MT-C6/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2	29-Jan-16	RD259032i

Version	Modified Points or Symptom Corrected
2.0.1	Other changes: Minor changes made to improve reliability. --- 1st mass production for Mo-C2 --- Symptom Corrected: Some of the wording in English was incorrect. Other changes: Support for Bluetooth Low Energy in Smart Device Connector.
2.0.0	1st Mass production

Model: Brz-MF	Date: 21-Jul-16	No.: RD255025

Subject: FSM correction: Important notice at installation	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

Manual correction:

Please add the following “notices” to your field service manual.

2. Installation >Main Machine Installation >Installation Procedure (P29)

(MP 501/601 Only)

Important

Do not enter SP mode when supplying toner after turning on the machine at installation.

If you enter and exit SP mode during toner supply, e.g. to skip the Program/Change Administrator screen, toner supply stops and “Add toner” indication may appear.

Note

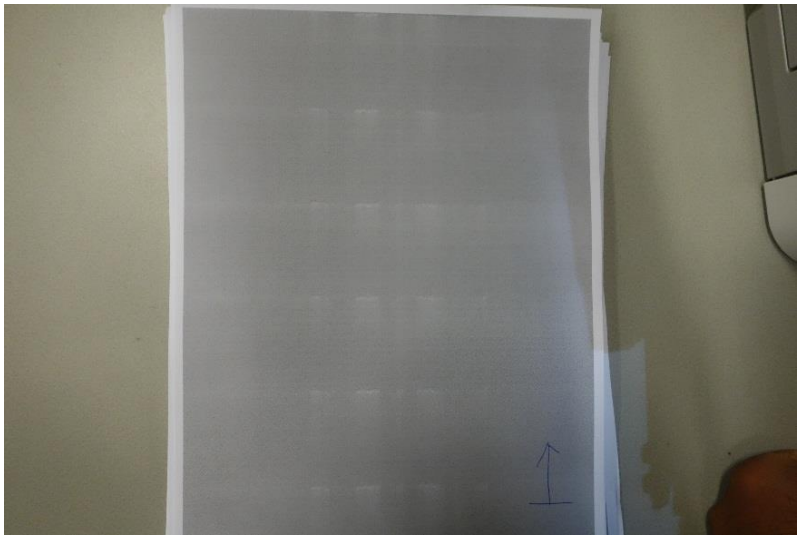
If “Add toner” indication may appear, open and close the front cover of the machine. Then toner supply will start.

Model: Brz-MF/P	Date: 25-Jul-16	No.: RD255026

Subject: White Streaks in 46 mm Pitch			Prepared by: Junji Mochizuki
From: 1st Field Quality Management Dept			
Classification:	☒ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☐ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☐ Service manual revision ☐ Retrofit information ☒ Tier 2 ☐ Tier 0.5

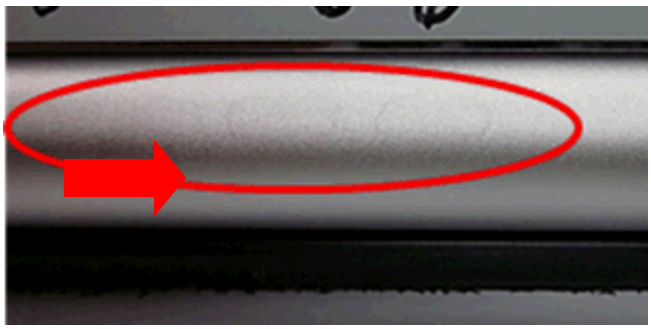
SYMPTOM

White streaks appear at an interval of 46mm from the first print.
Note: The streaks are most visible in solid and halftone areas.



CAUSE

The plastic bag wrapped around the MFP was not sealed properly. As a result, condensation formed on the surface of the development roller before the development unit was filled with toner. Marks remain on the roller surface after the water evaporated.



SOLUTION

Production line

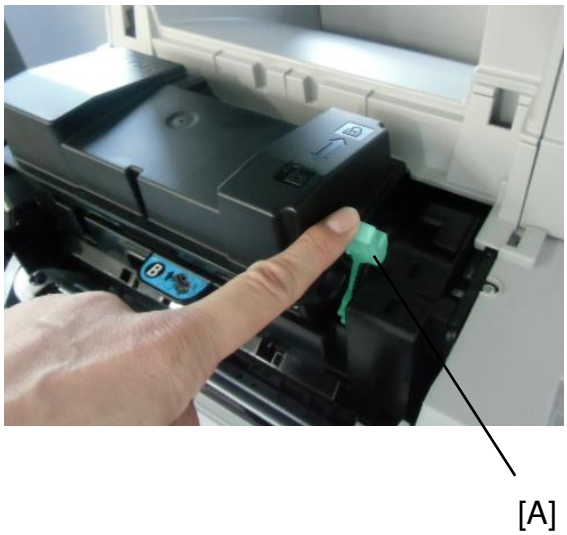
The plastic bag used to cover the machine is sealed securely, so as to prevent moisture from forming inside.

In the field

Clean the marks off the development roller (see **PROCEDURE** below).

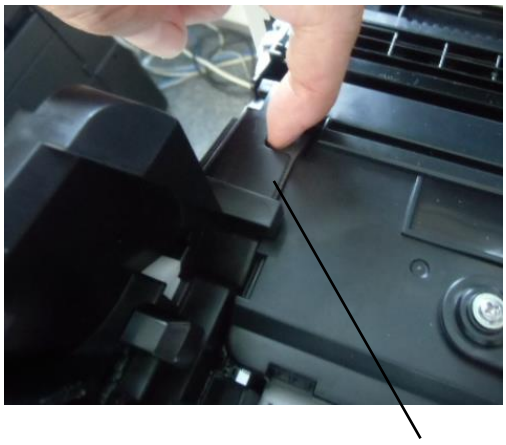
PROCEDURE

1. Open the upper cover.
2. Release the lock lever [A] and then remove the toner cartridge [B].

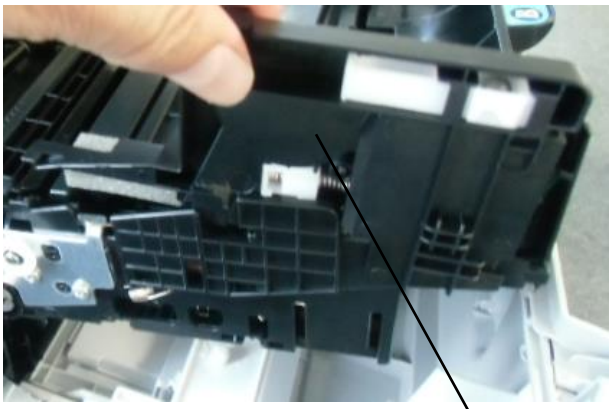


3. Pull out the PCDU [C].

4. Release the hook [D], and then remove the container guide [E] by sliding it to the rear.

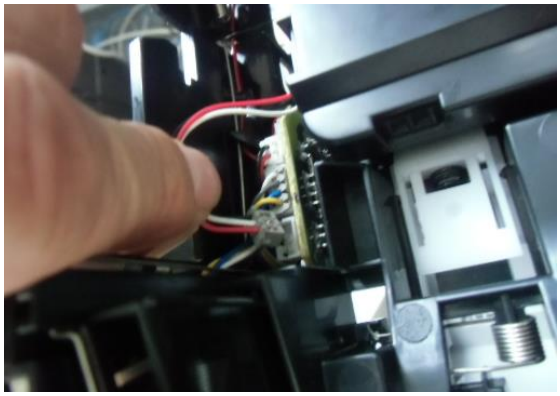


[D]



[E]

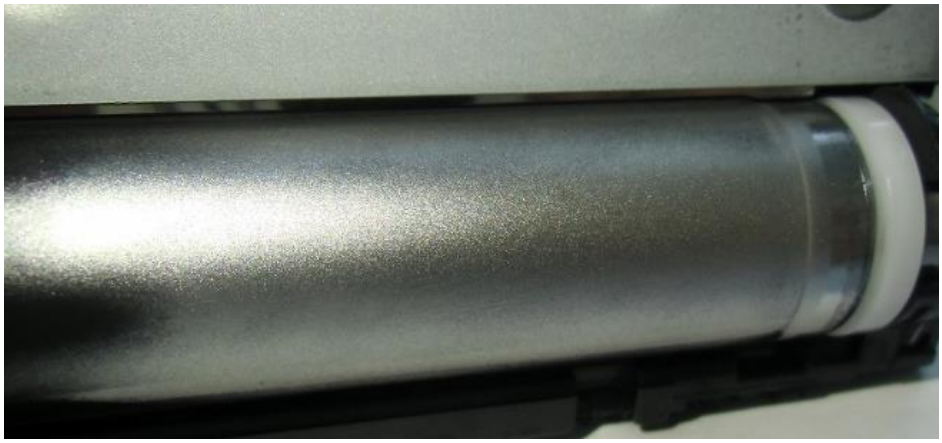
5. Disconnect the connector.



6. Release the hook on the left side of the development unit, then remove the development unit.

7. Remove the toner covering the development roller surface using an air brush.
   Note: You will see marks on the development roller as shown in the photo below.

8. Clean the development roller surface using a soft cloth.



9. Make test prints and confirm that the streaks do not occur.

Model: Brz-MF1/P1	Date: 28-Jul-16	No.: RD255027

Subject: FSM correction on after replacement of development unit			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☐ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☒ Service manual revision ☐ Retrofit information ☐ Tier 2 ☐ Tier 0.5

Service Manual Correction:

Please add the following descriptions **in bold** to your field service manual.

4. Replacement and Adjustment > Development Unit (P.305~)

After replacement of development unit:

1. Execute SP3-900-001 to supply toner to the development unit.

Model: Brazil-MF1a	Date: 2-Aug-16	No.: RD255028

Subject: A client device connected to the Cheetah operation panel via WiFi Direct can access the customer's corporate LAN environment	Prepared by: K.Kunimatsu
From: Field Quality Management Group1, FQM Dept.	

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

SYMPTOM

A client device connected to the Cheetah operation panel via WiFi Direct can access the customer's corporate LAN environment.

This symptom occurs when the following settings are enabled:

- **WiFi Direct:** Set to **"Enable"** (default: Disable)
- **Group Owner Mode:** Set to **"Enable"** (default: Disable)

Note:

The above settings (Enabled) are the default for when using the Ricoh Smart Device Connector.
When the Cheetah Network is set with the above two settings enabled, smart phones, PCs, and other client devices can connect to the corporate LAN. Web browsers can be used to open WIM and view information on other copiers connected to the network, wireless routers, Web servers, among others, if the user of the client device knows the IP address of the machine(s) on connected to the LAN.

CAUSE

Firmware bug.

SOLUTION

Update the Cheetah System firmware to the following versions or newer.

Model	Version
GR-C2	1.07 or newer
MET-C2/Lef-C1/Brz-MF1	1.05.1 or newer

Model: Brz-MF1/P1	Date: 23-Aug-16	No.: RD255029

Subject: FSM correction: SC636-01 description added	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Description of SC636-01 was added to the following section of the field service manual:

6. Troubleshooting > Service Call 622-691 > SC600 (Controller) (p.531)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC636-01	D	IC Card Error (Expanded authentication module error)
		Issued when expanded authentication management is set to "ON" but either of the following occur. • There is no expanded authentication module in the machine. • The SD card or the file of the expanded authentication module is broken. • There is no DESS module in the machine.
		• There is no DESS module in the machine (models on which the function is optional). • There is no expanded authentication module in the machine. • The SD card or the file of the expanded authentication module is broken.
		• Set a working SD card/expanded authentication module file. • Install the DESS module. • In the SSP mode set SP5-401-160 to "0". • In the SSP mode, set SP5-401-161 to "0". • Replace the NVRAM.

Model: Brz-MF1	Date: 26-Aug-16	No.: RD255030

Subject: The default value of the "Permit SSL/TLS Communication" setting has been changed from "Ciphertext Priority" to "Ciphertext/Cleartext"	Prepared by: Y.Shiga
From: 2nd 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 ( )	☒ Tier 2

At Machine Installation

The default value of the "Permit SSL/TLS Communication" setting has been changed from "Ciphertext Priority" to "Ciphertext/Cleartext" depending on the Network Support firmware version:
- "Ciphertext Priority" will be the default in devices that have Network Support v15.57 or earlier installed from mass production.
- "Ciphertext/Cleartext" will be the default in devices that have Network Support v15.58.1 or later installed from mass production.

Note: Configurations will not be automatically changed when the firmware is updated.

Cut-in Serial Numbers

Network Support v15.58.1 has been applied to device in the factory as of the following serial numbers:

Name	Destination.	Product Code	Serial #
MP 501SPF	NA	D255-17	G986X708293~
	EU	D255-27	G986X709096~
	AP	D255-29	G986X709361~
MP 601SPF	NA	D256-17	G996X701422~
	EU	D256-27	G996X701594~
	AP	D256-29	G996X701684~

Model: Brz-MF/P	Date: 29-Aug-16	No.: RD255031

Subject: FSM correction on After Installing the HDD	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please apply the following corrections to your service manual.

2. Installation > Enhanced Security HDD Option Type M10 (D792-09)
> Installation Procedure (MP 501/601) > After Installing the HDD (P109 ~)

After Installing the HDD

4. Turn the main power OFF/ON after a message tells you formatting is finished.
5. Enter the SP mode.
6. Execute SP5-853-001 to copy the preset stamp data from the firmware to the hard disk. Follow the instructions on the screen. This will require three or four minutes.
~~7. Execute SP5-846-040 to copy the address book to the hard disk from the controller board.~~
~~8. Execute SP5-846-041 to let the user have access to the address book.~~
9. Turn the main power OFF/ON.

2. Installation > Enhanced Security HDD Option Type M10 (D792-09)
> Installation Procedure (SP 5300/5310) > After Installing the HDD (P126 ~)

2. Installation > Hard Disk Drive Option Type P8 (M500-05) (SP 5300/5310 Only)
> Installation Procedure > After Installing the HDD (P143 ~)

After Installing the HDD

1. **Connect the power cord and turn ON the main power.**

   The message "Hard Disk is replaced. Format Hard Disk." is displayed.

2. **Select [Format]. The message "Formatting Hard Disk...Please wait, also make sure the main power switch is not turned off." is displayed.**

3. **Wait for the machine to finish formatting the hard disk.**

   Important

   - Do not touch the power switch while the hard disk format is in progress. Wait for the machine to tell you that the formatting is finished. When the formatting is finished, the message "Hard Disk is formatted. Turn main power switch off then on" is displayed.

4. **Turn the main power OFF/ON after the message tells you formatting is finished.**

~~5. Enter the SP mode.~~

~~6. Execute SP5-846-041 to let the user have access to the address book.~~

~~7. Turn the main power OFF/ON.~~

Model: Brz-MF/P	Date: 29-Aug-16	No.: RD255032

Subject: FSM correction: Caution when replacing PSU	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

Manual correction:

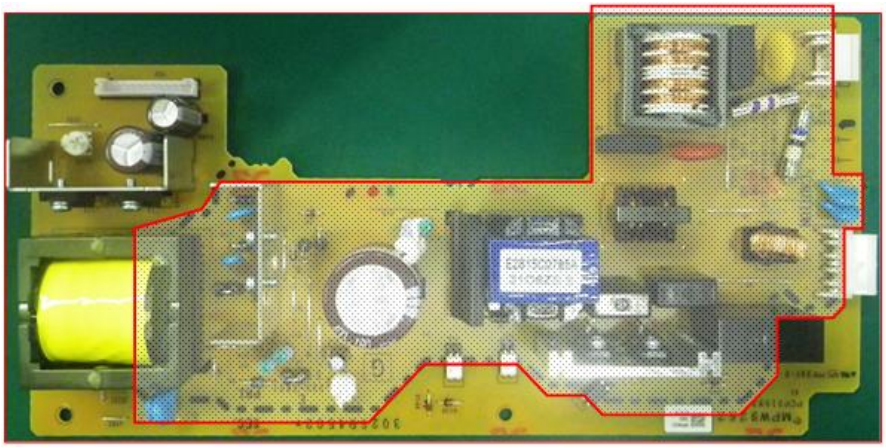
Please add the following “CAUTION” to your field service manual.

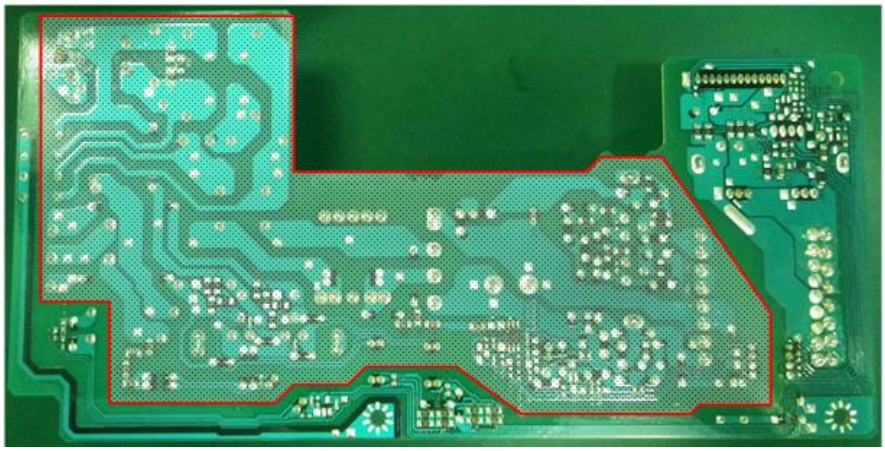
4. Replacement and Adjustment > Electrical Components > PSU (p378~)

PSU

⚠CAUTION

- Turn off the main power switch and unplug the power cord before replacing the PSU.
- Do not touch the areas outlined in red in the following diagrams when replacing the PSU. Residual charge on the board may cause electric shock.





Reissued : 28-Nov-16

Model: Brz-MF/P	Date: 31-Aug-16	No.: RD255033a

RTB Reissue

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

Subject: FSM correction on Retriving the Debug Log			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☐ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☒ Service manual revision ☐ Retrofit information ☐ Tier 2 ☐ Tier 0.5

Service Manual Correction

- The areas **in bold** were revised.

5. System Maintenance > Capturing the Debug Logs > Retrieving the Debug Logs > Procedure for Retrieving the Debug Log (P441~)

Procedure for Retrieving the Debug Log

1. Insert the SD card into the SD card slot.

MP 501/601:

Insert an SD card into the media slot on the side of the operation panel.

SP 5300/5310:

1. Remove the controller cover. (page 279)
2. Insert the SD card into the SD Card Slot 2 (lower) [A].

d255a1062

2. Enter SP mode.
3. Set the start date of the log with **SP5-858-101** (Start date of debug log output).

e.g.: March 28, 2013: input 20130328 (yyyymmdd)

Reissued : 28-Nov-16

Model: Brz-MF/P	Date: 31-Aug-16	No.: RD255033a

· Be sure to confirm the date when the problem occurred before obtaining the logs.

4. Set the end date of the log with **SP5-858-102** (**Days of tracing**)

   · "2" is set by default, which is the minimum needed for investigating the problem.

   · A value of "1" to "180" can be set.

5. Execute **SP5-858-111** (**Acquire All Info & Logs**) to write the debug log to the SD card.
6. If the transfer is finished successfully, "completed" is displayed.

Note

· The approximate time it takes to transfer the debug log is as follows. Transfer time may be affected by the type or format of the SD card. (It is recommended that you format the SD card using the Panasonic SD Formatter (freeware)).

· Controller debug log (GW debug log): 2 - 20 minutes

· Engine debug log: 2 minutes

· Operation panel log: 2 - 20 minutes

7. Make sure that the SD card access LED is off, then remove the SD card.

Note

· If "failed" appears on the operation panel, turn the main power OFF, and then recover from step 1 again.

Model: Brz-MF/P	Date: 3-Oct-16	No.: RD255034

Subject: FSM correction on the fax resolutio (Fax Unit)	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please delete the following description ~~crossed out~~ in red from your field service manual(Fax Unit).

4. Service Tables > Bit Switches-1 > System Switches > G3 Communication Parameters (P.77)

Resolution	S: Standard (8 x 3.85 dots/mm) D: Detail (8 x 7.7 dots/mm) F: Fine (8 x 15.4 dots/mm) SF: Superfine (16 x 15.4 dots/mm) 21: Standard (200 x 100 dpi) 22: Detail (200 x 200 dpi) ~~44: Superfine (400 x 400 dpi)~~

RICOH

Technical Bulletin

Model: Brz-MF1	Date: 12-Oct-16	No.: RD255036

Subject: Parts Catalog Correction (NFC Tag, Bluetooth Decal and Logo Plate)	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

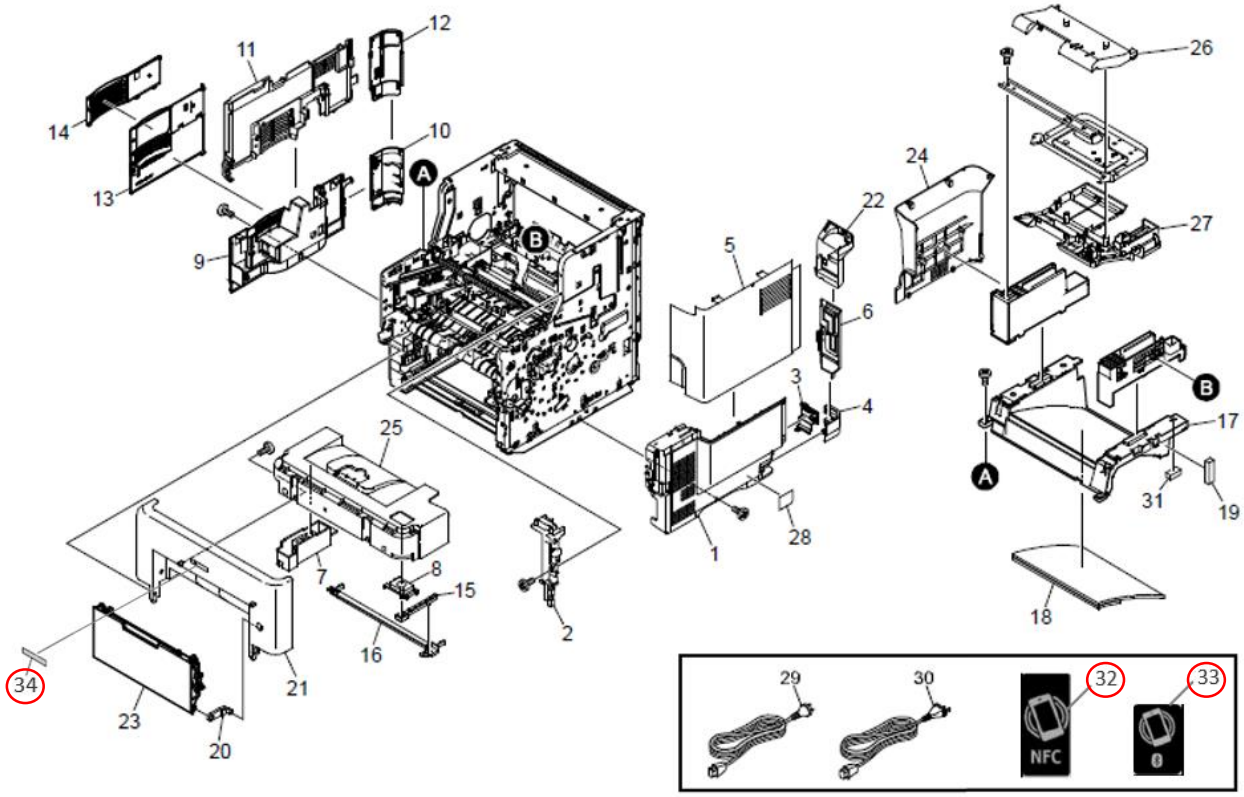
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts were added.

Reason: These parts were missing from the Parts Catalog.

Part number	Description	Q'ty	Int	Page	Index	Note
D1961485	IC:NFC_TAG:MN63Y3212NB	1	-	4	32	
D2557798	DECAL:BLUETOOTH:CHEETAH-G2	1	-	4	33	
M1011301	PLATE:LOGO:RIC	1	-	4	34	
D1201561	SHEET:LOGO:SAV	1	-	4	34	
AA001531	PLATE:LOGO:LAN	1	-	4	34	

1.Covers



Model: Brz-MF1	Date: 14-Oct-16	No.: RD255037

Subject: FSM correction: SC672-00 description added	Prepared by: T. Tachibana
From: 2nd 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

Description of SC672-00 was added to the following section of the field service manual:

6. Troubleshooting > Service Call 622-691 > SC600 (Controller) (p.533)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
672-00	D	Controller start up error
		After the machine was powered on, communication between the controller and the operation panel was not established.
		• Controller stalled • Board installed incorrectly • Controller board defective • Operation panel connector loose, broken, or defective • Controller late
		1. Turn the main power OFF/ON. 2. Check the connection of the operation panel. 3. Check the connection of the controller board. 4. Replace the controller board.

Model: Brz-MF1	Date: 18-Nov-16	No.: RD255038

Subject: FSM correction on the machine limit count	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

The Machine limit count functions cannot be used. Therefore, please delete the notes below from your field service manual.

Appendices > 3. SP Mode Tables > Main SP Table-5(Controller) > SP5-XXX(Mode) (P.71)

Main SP Tables-5 (Controller)

5759 (MP 501/601 only)	[Machine Limit Count]		
5-759-001	Machine Limit Count Setting	CTL*	[0 or 1 / 0 / 1 / step]
5-759-051	Limit Count	CTL*	[0x00 to 0xff / 0x00 / 1 / step]

5761 (MP 501/601 only)	[SmartOperationPanel Setting]		
5-761-001	Restore the default Home screen	CTL*	[0 to 255 / 0 / 1 / step]

Model: Brz-MF1/P1	Date: 18-Nov-16	No.: RD255039

Subject: FSM correction on the engine firmware type	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please apply the following corrections to your service manual.

< MP501/601 >

5. System Maintenance > Firmware Update > Firmware type (P.404)

MP 501/601

Firmware type	Firmware position	Message display
FONT (Font EXP)	Controller board	GW13e_prt_SAMf
FONT1 (PCL Font)	Controller board	GW3a_pcl_fntl
FONT2 (PS3 Font)	Controller board	GW2e_prt_psfnt8
Engine	~~BICU~~ **IOB**	BRMF1a_eplot
Engine (IPU)	BiCU	BRMF1a_eipu

< SP5300/5310 >

5. System Maintenance > Firmware Update > Firmware type (P.405)

SP 5300/5310

Firmware type	Firmware position	Message display
FONT (Font EXP)	Controller board	GW13e_prt_SAMf
FONT1 (PCL Font)	Controller board	GW3a_pcl_fntl
FONT2 (PS3 Font)	Controller board	GW2e_prt_psfnt8
Engine	~~BICU~~ **IOB**	BRP1a_eplot
Engine (IPU)	BiCU	BRP1a_eipu

Reissued: 24-Nov-16

Model: GR-C2_SOP, Mo-C2, Lef-C1, MET-C2ab, MET-C2cde, MET-C2yz, MT-C6, Brz-MF1, Gim-MF1.5, CH-C2, MET-P2, ***Cor-C1.5***	Date: 30-Jul-15	No.: RD196038c

RTB Reissue

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

Subject: Firmware Release Note: iWnnIME for eDC			Prepared by: C. Shimaji
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

For Korean

Version	Program No.	Effective Date	Availability of RFU
1.0.0	D1961406_forEDC	1st Mass production	Not Available

For Simplified Chinese

Version	Program No.	Effective Date	Availability of RFU
1.0.0	D1961404_forEDC	1st Mass production	Not Available

For Traditional Chinese

Version	Program No.	Effective Date	Availability of RFU
1.0.0	D1961405_forEDC	1st Mass production	Not Available

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

For Korean

Version	Modified Points or Symptom Corrected
1.0.0	1st Mass production

For Simplified Chinese

Version	Modified Points or Symptom Corrected
1.0.0	1st Mass production

For Traditional Chinese

Version	Modified Points or Symptom Corrected
1.0.0	1st Mass production

Reissued: 14-Nov-16

Model: Lef-C1/MET-C2ab/MET-C2cde/MET-C2yz/MT-C6/Brz-MF1/ GR-C2/Gim-MF1.5dM/***CH-C2/MET-P2/GR-C3***	Date: 29-Jan-16	No.: RD259023d

RTB Reissue

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

Subject: Firmware Release Note: StopKeyWidget for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.01	D2411436B_forEDC	June 2016 production	Not Available
1.00	D2411436A_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
1.01	Symptom corrected: Applications can be uninstalled from Web Image Monitor. -- ***New Model Supported***
1.00	1st Mass production

Reissued: 03-Oct-16

Model: **Lef-C1/MET-C2ab/MET-C2cde/MET-C2yz/MT-C6/Brz-MF1/ GR-C2/Gim-MF1.5dM**	Date: 29-Jan-16	No.: RD259025e

RTB Reissue

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

Subject: Firmware Release Note: EcoInfoWidget for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.06	***D2411437F_forEDC***	***October 2016 production***	***Not Available***
1.05	D2411437E_forEDC	August 2016 production	Not Available
1.04	D2411437D_forEDC	June 2016 production	Not Available
1.03	D2411437C_forEDC	May 2016 production	Not Available
1.02	D2411437B_forEDC	April 2016 production	Not Available
1.01	D2411437A_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
1.06	***Minor change.***
1.05	Minor change.
1.04	Support for the MP 402SPF and MP C306ZSP/C406ZSPF
1.03	Symptom corrected: - Minor bug correction
1.02	Symptom corrected: Preinstalled applications can be accidentally uninstalled from Web Image Monitor.
1.01	1st Mass production

Reissued: 03-Oct-16

Model: **Lef-C1/MET-C2ab/MET-C2cde/MET-C2yz/MT-C6/Brz-MF1/ GR-C2/Gim-MF1.5dM**	Date: 29-Jan-16	No.: RD259026f

RTB Reissue

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

Subject: Firmware Release Note: TonnerWidget for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.05	***D2411434G_forEDC***	***October 2016 production***	***Not Available***
1.04	D2411434F_forEDC	June 2016 production	Not Available
1.03	D2411434E_forEDC	April 2016 production	Not Available
1.02	D2411434D_forEDC	April 2016 production	Not Available
1.01	D2411434C_forEDC	March 2016 production	Not Available
1.00	D2411434B_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
1.05	***Symptom corrected:*** ***Remaining amount of toner displayed on the widget is incorrect.***
1.04	Symptom corrected: - Minor bug correction Other changes: Support for the MP C306ZSP/C406ZSPF. Support for the MP 402SPF.
1.03	Symptom corrected: - Preinstalled applications can be accidentally uninstalled from Web Image Monitor.
1.02	Other changes: Minor changes made to improve reliability.
1.01	Symptom Corrected: Several application names were incorrect.
1.00	1st Mass production

Reissued: 14-Nov-16

Model:	Date:	No.:
Lef-C1/MET-C2ab/MET-C2cde/MET-C2yz/MT-C6/Brz-MF1/ GR-C2/Gim-MF1.5dM/***CH-C2/MET-P2/GR-C3***	29-Jan-16	RD259029e

RTB Reissue

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

Subject: Firmware Release Note: ProgramInfoService for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.18	D2411438D_forEDC	June 2016 production	Not Available
1.17	D2411438C_forEDC	April 2016 production	Not Available
1.16	D2411438B_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
1.18	Symptom corrected: - Minor bug correction -- ***New Model Supported***
1.17	Other changes: Minor changes made to improve reliability.
1.16	1st Mass production

Reissued: 17-Nov-16

Model: Lef-C1/MET-C2ab/MET-C2cde/MET-C2yz/MT-C6/Brz-MF1/ GR-C2/Gim-MF1.5dM/***MET-P2/CH-C2/GR-C3***	Date: 29-Jan-16	No.: RD259034h

RTB Reissue

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

Subject: Firmware Release Note: LanguageWidget for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.06	***D2411431H_forEDC***	***December 2016 production***	***Not Available***
1.05	D2411431G_forEDC	October 2016 production	Not Available
1.04	D2411431F_forEDC	August 2016 production	Not Available
1.03	D2411431E_forEDC	June 2016 production	Not Available
1.02	D2411431D_forEDC	April 2016 production	Not Available
1.01	D2411431C_forEDC	March 2016 production	Not Available
1.00	D2411431B_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
1.06	***Minor change.***
1.05	Minor change.
1.04	Minor change.
1.03	Symptom corrected: Applications can be uninstalled from Web Image Monitor. Other changes: Support for the MP C306ZSP/C406ZSPF. Support for the MP 402SPF. Support for the MP 6503SP/MP 7503SP/MP 9003SP.
1.02	Symptom corrected: Minor bug correction.
1.01	Symptom Corrected: Several application names were incorrect.
1.00	1st Mass production

Reissued: 19-Jan-17

Model: **Lef-C1/Brz-MF1/ CH-C2/CH-C2 Pro/Cor-C1.5/ Gim-MF1.5dM/GR-C2/GR-C3/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2/ MT-C6**	Date: 08-Feb-16	No.: RD259038g

RTB Reissue

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

Subject: Firmware Release Note: QuickCardAuth for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
2.12.04	***D2411468A_forEDC***	***January 2017 production***	***Not Available***
2.12.01	D2411468_forEDC	June 2016 production	Not Available
2.01.25	D2411451F_forEDC	April 2016 production	Not Available
2.01.24	D2411451E_forEDC	April 2016 production	Not Available
2.01.22	D2411451D_forEDC	March 2016 production	Not Available
2.01.20	D2411451C_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
2.12.04	***Specification Change*** - ***Modified the API to adhere to the Talkback accessibility function in Android OS for visually impaired people.***
2.12.01	Additional model information: - New Model Supported. Symptom corrected: - Applications can be uninstalled from Web Image Monitor. Before installing or updating an application, the CheetahSystem firmware needs to be updated to v1.09 (D2411420K) or later.
2.01.25	Symptom corrected: - Applications can be uninstalled from Web Image Monitor.
2.01.24	Symptom Corrected: When using Quick Card Authentication: – Even if the card reader setting in Screen Features is disabled, the login screen for the card is still displayed. – If logging in to Web Image Monitor fails, a message stating that the login failed is displayed on the operation panel even though the operation panel is not being used.
2.01.22	Symptom Corrected: Some of the words are incorrect in several languages.

Reissued: 19-Jan-17

Model: **Lef-C1/Brz-MF1/ CH-C2/CH-C2 Pro/Cor-C1.5/ Gim-MF1.5dM/GR-C2/GR-C3/ MET-C2ab/MET-C2cde/MET-C2yz/MET-P2/Mo-C2/ MT-C6**	Date: 08-Feb-16	No.: RD259038g

Version	Modified Points or Symptom Corrected
2.01.20	1st Mass production Symptom Corrected: - Some of the wording in English was incorrect. Other Changes: - Modified the login message in Quick Card Authentication.

Model: Brz-MF/P	Date: 5-Dec-16	No.: RD255040

Subject: FSM correction - Replacing the NVRAM	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please delete the following descriptions ~~crossed out~~ in red and add the descriptions **in bold** to your field service manual.

4. Replacement and Adjustment
   > IOB
   > Replacing the NVRAM (EEPROM) on the IOB (P.373~)

Replacing the NVRAM (EEPROM) on the IOB

~~If the NVRAM (EEPROM) on the IOB needs to be replaced, contact your supervisor to acquire the new NVRAM (EEPROM) with the information below.~~

~~• Machine Serial Number~~

1. Make sure that you have the SMC report (Factory SP Settings). This report comes with the machine. If you do not have the SMC report, enter the factory settings while referring to the "Factory SP Settings"

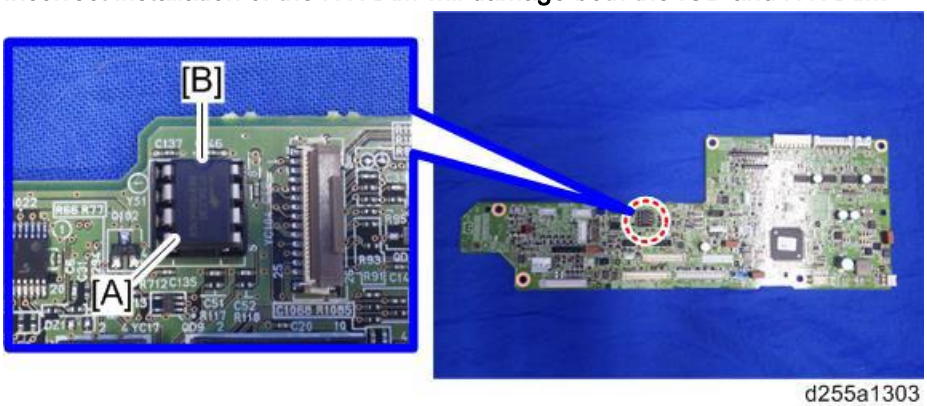
2. Output the SMC data ("ALL") using SP5-990-001/SP5-992-001.

3. Turn OFF the main power and unplug the power cord.

4. Replace the NVRAM on the IOB with a new one.

Important

• Install a NVRAM [A] so that the indentation [B] on the NVRAM corresponds with the mark on the IOB. Incorrect installation of the NVRAM will damage both the IOB and NVRAM.



d255a1303

5. Plug in the power cord, and then turn ON the main power.

6. Execute SP5-901-00x "All Data Initialize".

Destination	SP
AA	SP5-901-008
NA/ LA (120V)	SP5-901-007
EU/ LA (230V)	SP5-901-006
CHN (M281/M282 only)	SP5-901-005

Note

Do not use SP5-901-009 (Oceania).

7. Turn OFF the main power, then turn ON the main power again.

8. Set SP4-698-003 "Factory mode" to "1".

Important

• Do not open the front cover, and do not turn OFF/ON the main power until step 11.

Note

• For information on how to configure the above SP, contact the supervisor in your branch office.

• Displayed number will be changed to "0" soon after setting SP4-698-003 to "1". This is normal operation and the SP has been executed correctly.

9. Execute SP3-900-002 "Toner Install Mode: Off".

10. Set the below SPs to see the SMC report (Factory SP Settings) from step 1 or 2.

- SP4-108-001 "Sub Scan Speed Adjustment",
- SP4-110-001 "L-Edge Timing Adjustment",
- SP6-026-001 "ADF Timing Adjustment, Leading Edge Start Timing: Front",
- SP6-027-001 "ADF Adjustment Scan Speed, Simplex Mode"

11. Turn OFF the main power, then turn ON the main power again.

12. Check the SMC report (Factory SP Settings) from step 1 or 2, and set the user tool and SP settings so they are the same as before.

Note

Check the below SPs have correct values.

- SP6-026-003: 0
- SP6-026-004: 0
- SP6-027-002: -0.3

RICOH

Technical Bulletin

Model: Brz-MF1	Date: 6-Dec-16	No.: RD255041

Subject: Parts Catalog: FAX Speaker, EEPROM on IOB	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

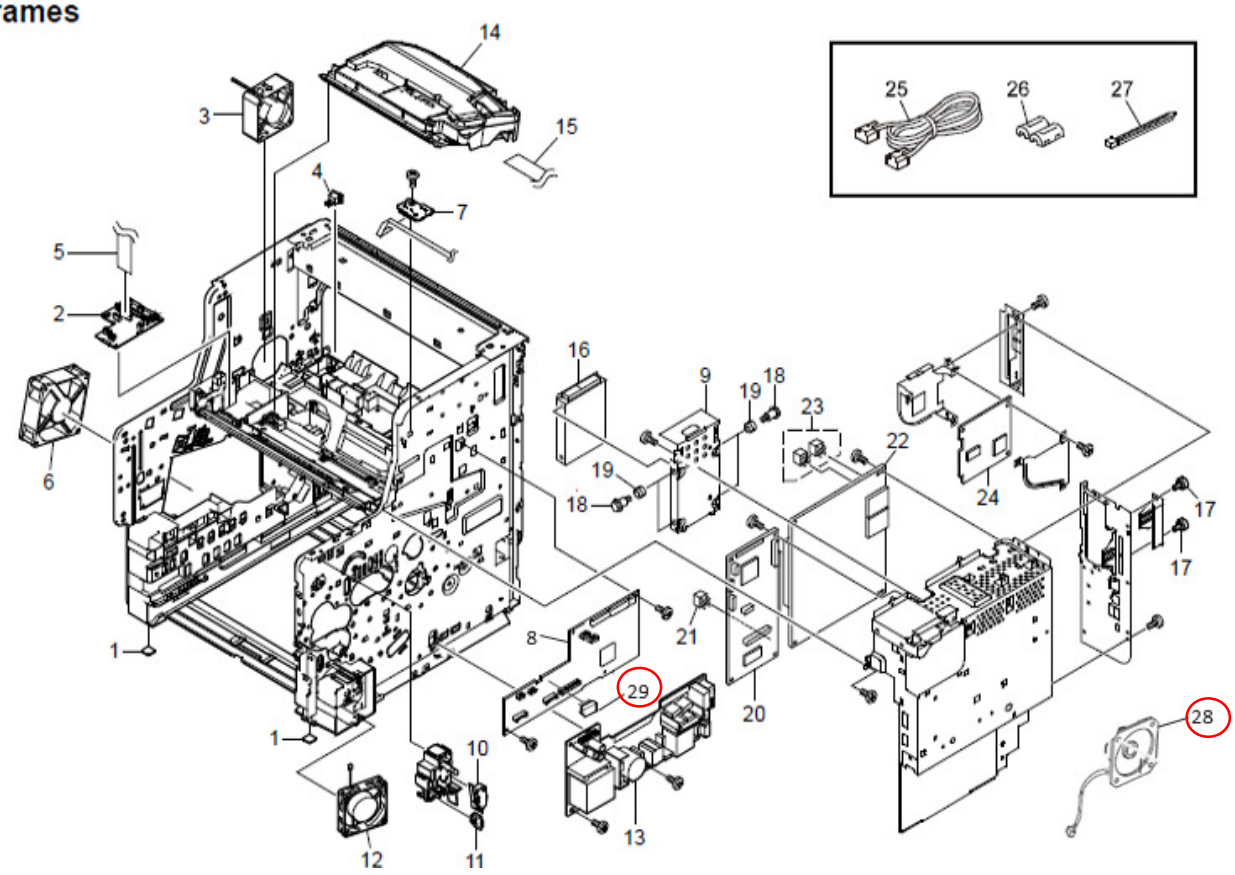
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: These parts were missing from the parts catalog.

Part number	Description	Q'ty	Int	Page	Index	Note
D2551058	SPEAKER	1		6	28	
D2555321	PARTS_IC_EEPROM	1		6	29	

2. Frames



Reissued: 14-Dec-16

Model: Brz-MF1	Date: 8-Dec-16	No.: RD255042a

RTB Reissue

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

Subject: FSM correction: When SC672 (Controller start up error) is displayed			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	☒ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☐ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☐ Service manual revision ☐ Retrofit information ☒ Tier 2 ☐ Tier 0.5

Please add the following the descriptions to your service manual.

6. Troubleshooting >Troubleshooting Guide > Others (p600~)

When SC672 (Controller start up error) is displayed

Symptom:

Note: CTL = Controller
The following occur:

SC672-00	Communication error between operation panel and CTL after machine is powered on.
SC672-10	Communication error (receive) between operation panel and CTL after machine is powered on.
SC672-11	Communication error (send) between operation panel and CTL after machine is powered on.
SC672-12	Communication error between operation panel and CTL after normal start-up.
SC672-13	Communication error between operation panel and CTL after normal start-up; Operation panel not detected.

Note

- SC672 does not appear on the SMC report, as it is not logged.
- The Smart Operation Panel communicates with the controller via a USB cable and IPU. SC672 is triggered when the panel cannot communicate with the controller.

Cause:

Possible causes of SC672 include:
- USB communication path failure (USB cable, IPU)
- CTL boot up error and/or operation panel boot up error due to abnormal break in operations of CTL.

Possible causes of operation panel cannot light include:
- USB communication path failure (USB cable, IPU)
- Operation panel cannot communicate with CTL due to CTL boot-up error

Solution:

Do the following.

STEP1 Turn the machine power OFF/ON.

STEP2 Do the action in the flowchart below to determine the cause and best course of action when SC672 occurs.

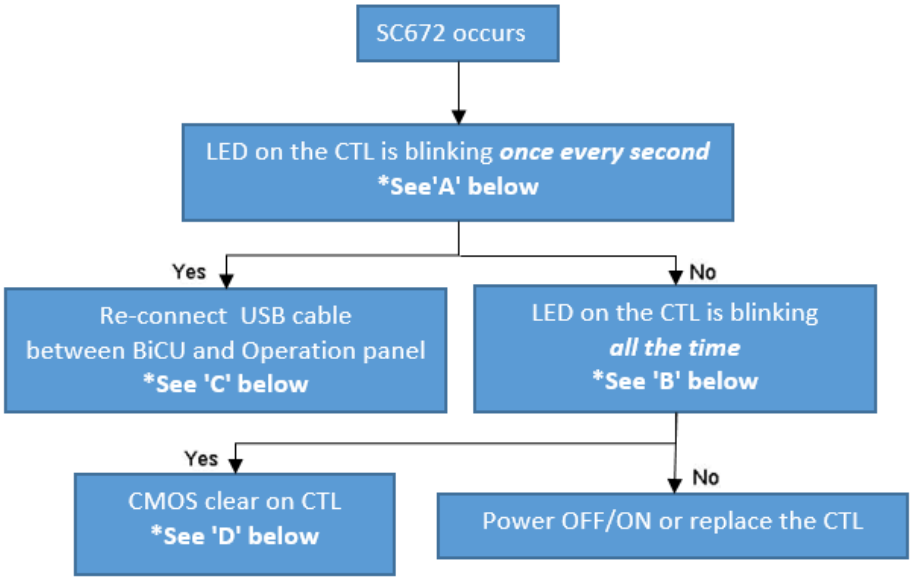
Reissued: 14-Dec-16

Model: Brz-MF1	Date: 8-Dec-16	No.: RD255042a

Note

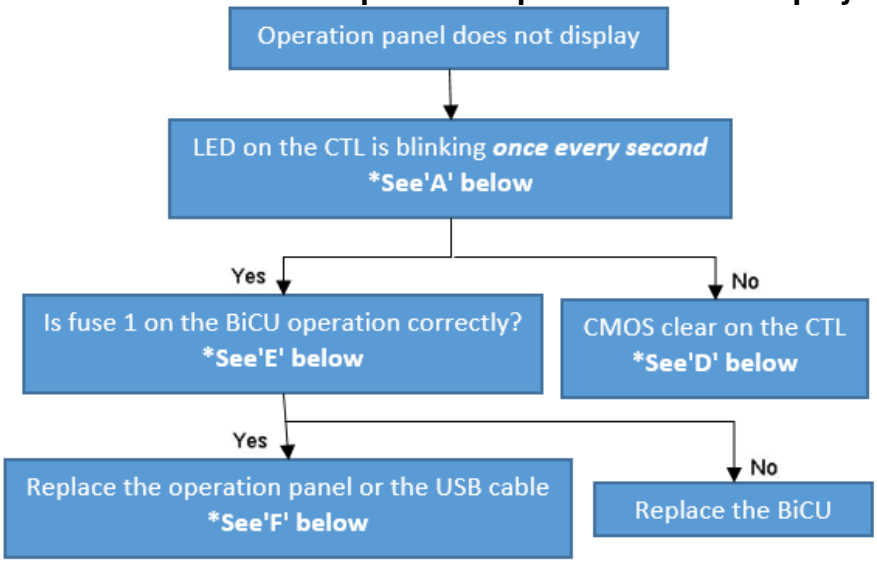
If the SC recurs after you do the action in this flowchart, do the following.
- If SC819 (cache error) appears in the SC history, replace the controller board.
- If SC991 (SCS: scs time count level c') appears in the SC history, replace the controller board and USB cable.

Flowchart to determine parts to replace when SC672 occurs



Parts	How to determine the cause
USB cable	LED on CTL blinks ***once every second***
Operation panel	LED on CTL blinks ***once every second***
CTL	LEDs on CTL blink constantly

Flowchart to determine parts to replace when no display on operation panel



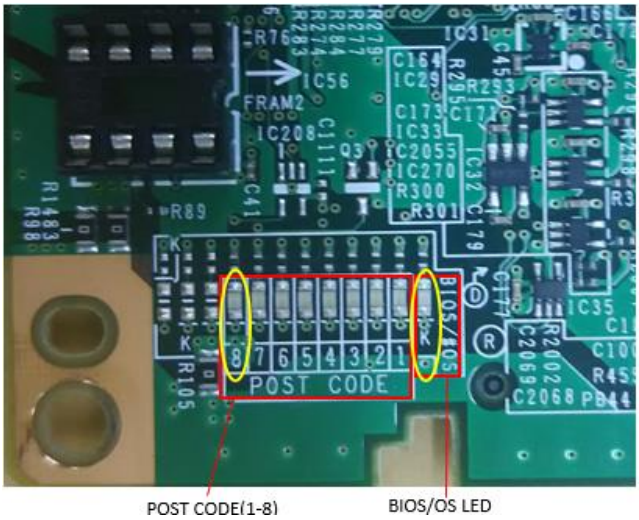
Reissued: 14-Dec-16

Model: Brz-MF1	Date: 8-Dec-16	No.: RD255042a

Parts	How to determine the cause
USB cable	LED on CTL blinks ***once every second***
Operation panel	LED on CTL blinks ***once every second***
BiCU	Fuse 1 on the BiCU
CTL	LED on CTL does not blink

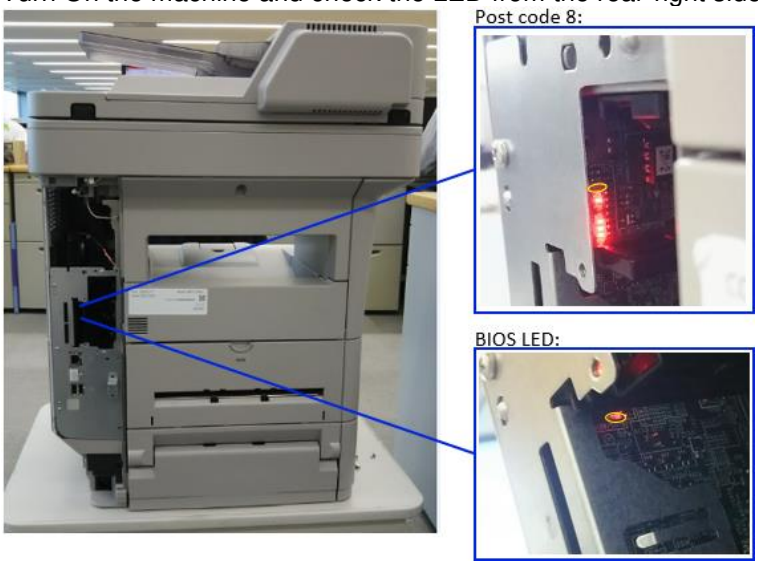
[A]: LEDs on the controller board

Check the condition (lit, off, blinking) of the LED on the CTL.
Normal situation: POSTCODE LED 8 and BIOS LED blinking ***once every second.***



No.	Note
LED	For CPU - POSTCODE 8 and BIOS LED **blink** when the CPU is operating normally. - POSTCODE 8 and BIOS LED are lit or off when there is a problem with the CPU.

Confirmation procedure:
1. Remove the FCU unit. (fax unit FSM, p19~)
2. Remove the I/F slot.
3. Turn On the machine and check the LED from the rear-right side of the machine.

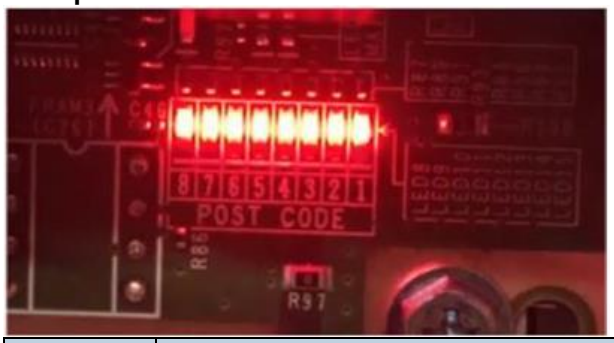


Reissued: 14-Dec-16

Model: Brz-MF1	Date: 8-Dec-16	No.: RD255042a

[B]: Abnormal mode: LEDs on the controller board

LEDs 1 to 8 blink constantly
Example:

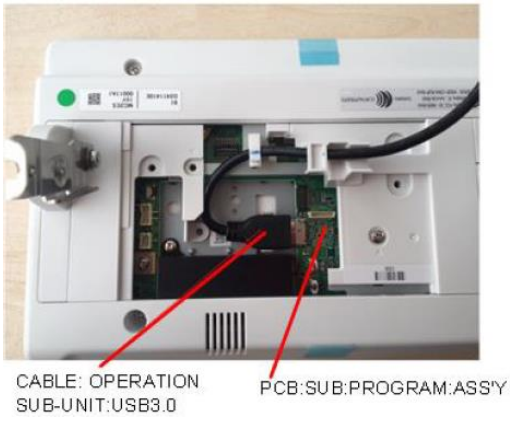


No.	Note
POSTCODE 1-8	1. For self-diagnosis code (BIOS). 2. After the BIOS starts up, LEDs 4,5,7 **turn off** and LEDs 1,2,3 ,6 **turn on** and LED 8 **blinks.** LED 8 is **lit or off** when there is a problem with the CPU.
BIOS LED	- LED is **lit** when the BIOS is running. - LED **blinks** when the OS is running.

[C]: Reconnecting and replacing the USB cable

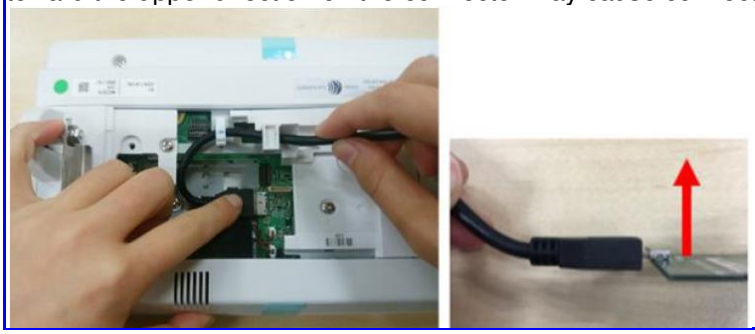
- Reconnecting the USB cable

USB connector at the operation panel:



Note

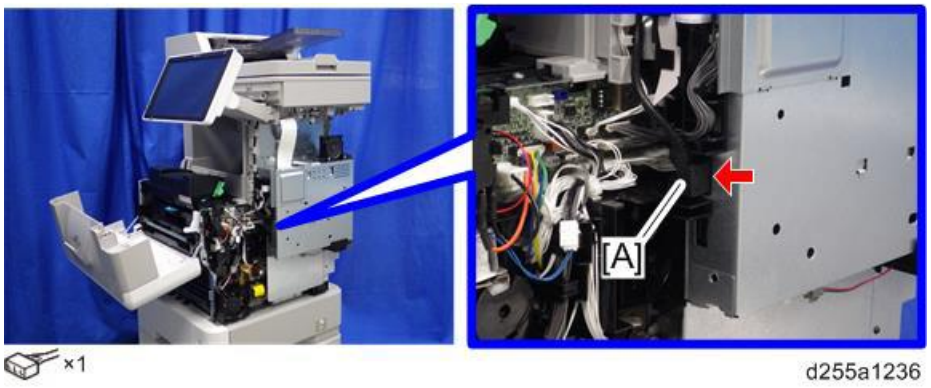
When connecting the cable, hold the molded part of the cable as shown below so as not to apply excessive force on the connector part. Applying excessive force toward the upper direction on the connector may cause connection failure.



Reissued: 14-Dec-16

Model: Brz-MF1	Date: 8-Dec-16	No.: RD255042a

USB connector at the BiCU:



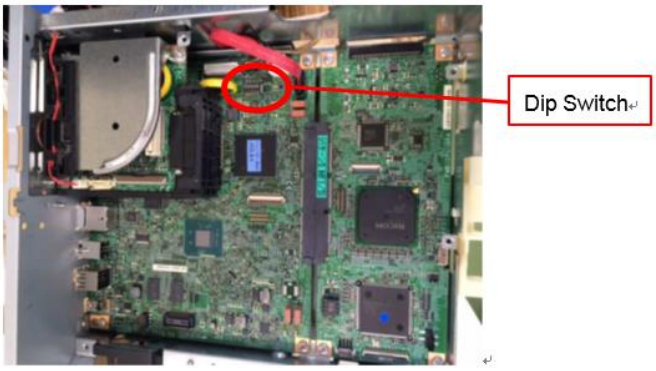
- Replacing the USB cable

  Refer to “4. Replacement and Adjustment > Operation Panel (MP 501/601) (p281~)”

[D]: CMOS clear

STEP1 Turn the machine power OFF.
STEP2 Turn Dip switch 1-3 ON for 10 seconds
STEP3 Turn Dip switch 1-3 OFF
STEP4 Turn the machine power ON.

Dip switch on the CTL board:



Reissued: 14-Dec-16

Model: Brz-MF1	Date: 8-Dec-16	No.: RD255042a

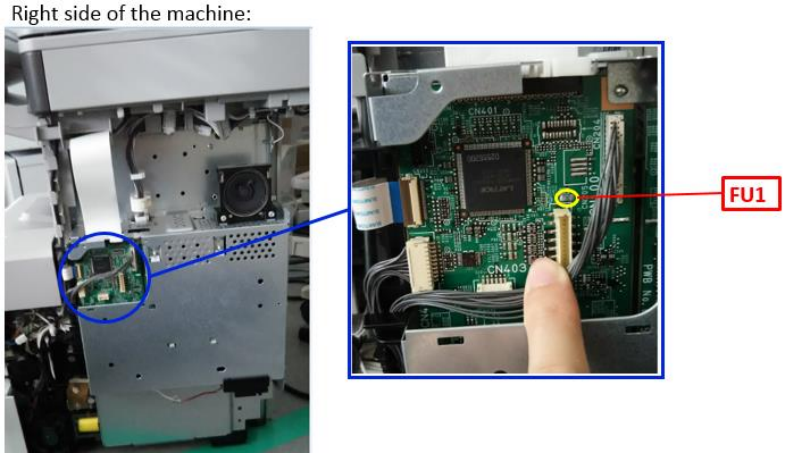
[E]: Fuse on the BiCU

Check the Fuse 1 on the BiCU.

Address	MP 501/601	SP 5300/5310
FU1	5A 76V	T0.5A 63V

FU1 on the BiCU:

Right side of the machine:



[F]: Replacing the operation panel or the USB cable

Refer to “4. Replacement and Adjustment > Operation Panel (MP 501/601) (p281~)”

Model: Brz-MF1	Date: 16-Dec-16	No.: RD255043

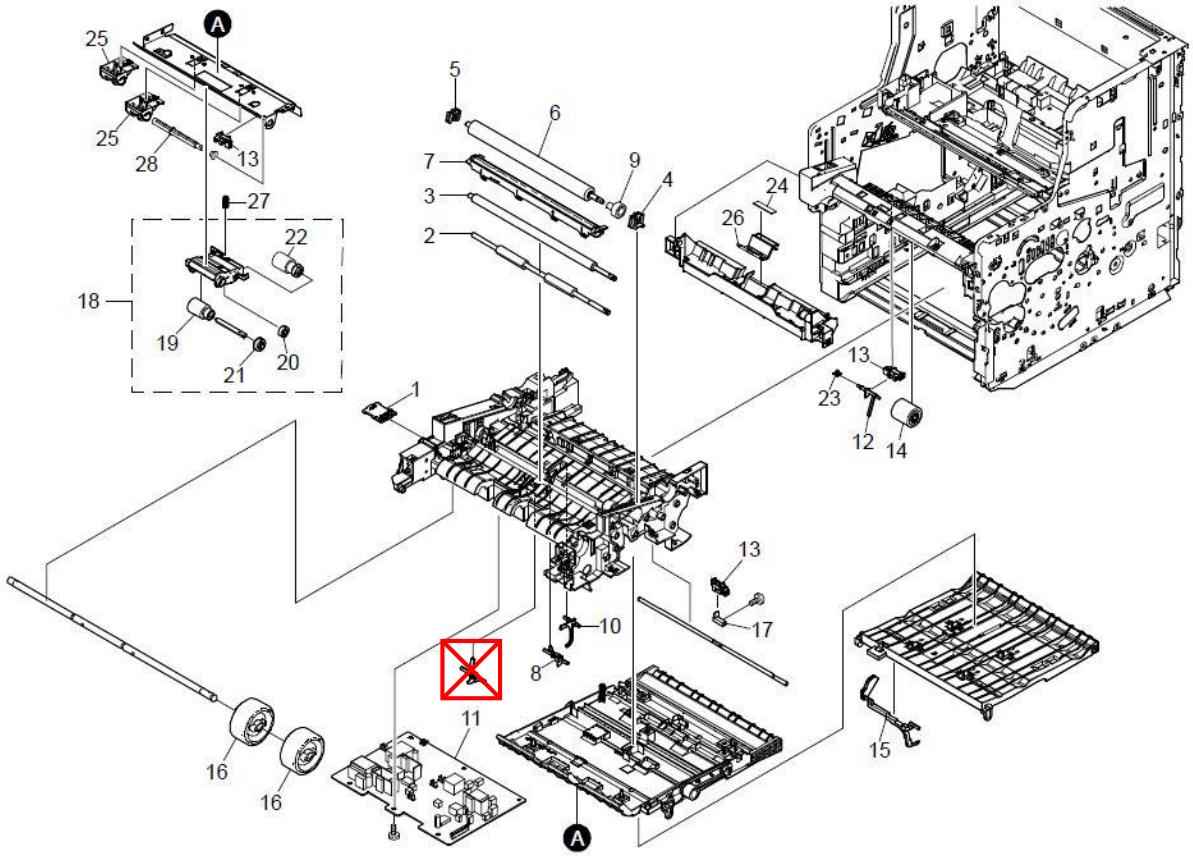
Subject: Parts Catalog Correction: Actuator deleted	Prepared by: H. Morishima
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

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

Change: The illustration of the actuator outlined in red was deleted.

Reason: Brz-MF1 does not have this actuator.

4. Paper Feed Section



Reissued: 13-Dec-16

Model: Lef-C1, GR-C2_SOP, MET-C2ab, MET-C2cde, MET-C2yz, MT-C6, Gim-MF1.5dM, ***Brz-MF1,CH-C2,Cor-C1.5,MET-P2,GR-C3***	Date: 29-Jan-16	No.: RD259013e

RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: BluetoothService for eDC			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☒ Other (Firmware)	☒ Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.01	D2411465B_forEDC	April 2016 production	Not Available
1.0	D2411465A_forEDC	1st Mass production	Not Available

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

Version	Modified Points or Symptom Corrected
1.01	***Other changes:*** - ***New Model Supported.*** --- Symptom corrected: Preinstalled applications can be accidentally uninstalled from Web Image Monitor. Other changes: - Support for the MP 6503SP/MP 7503SP/MP 9003SP. - Support for the MP 402SPF.
1.0	1st Mass production

Model: Brz-MF1	Date: 27-Jan-17	No.: RD255044

Subject: Fax is not sent and remains in the machine	Prepared by: Y.Taniguchi
From: 1st FQM Sect., 1st FQM Dept.	

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

SYMPTOM

Faxes that require internal communication with the HDD cannot be sent and remain in the machine, and the Transmission Failure Report is not printed out. Customers may be unaware of non-transmission.

Conditions:

1). Capturing Device Log function is enabled (Default: enable).

2). Capturing Device Log accesses the HDD just as the machine switches to Sleep Mode.

3). The fax is sent using a feature that requires internal communication with the HDD, i.e.:

Preview Before Transmission

Remote Fax (either as the Main machine or Sub machine)

Sending the document stored in Document Server

CAUSE

When the conditions 1) and 2) described above are met, the line of communication between the HDD and machine is locked and remains locked until main power OFF. Fax features that require internal communication with the HDD use this same line, which then prevents fax transmission.

SOLUTION

In Production line

FCU Firmware is modified to release the line of communication between the machine and HDD under the conditions described above.

In the field

Update the GWFCU firmware to the following version or later:

Firmware Name	P/N	Version
GWFCU3.8-8	D2555778B	02.00.00

Model: Brz-MF1/P1(for NA/EU only)	Date: 30-Jan-17	No.: RD255045

Subject: FSM/Parts Catalog revision for HC model	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

For NA/EU only

The following new HC models, targeting only the NA/EU market, will be added to the MF501SPF/SP 5300DN/ PB1100 series.

NA:

Product Code	Product Name	Differences between the HC model and standard models:
D255-17	MP 501SPF TL	- Paper tray with key and lock - Side fences with Teflon tapes
M281-17	SP 5300DN TL	
D3C2-01	Paper Feed Unit PB1100TE	- Paper tray with key and lock
D3C2-01	Paper Feed Unit PB1100LE	- Side fences with Teflon tapes

EU:

Product Code	Product Name	Differences between the HC model and standard models:
D255-27	MP 501SPF	- Side fences with Teflon tapes
M281-27	SP 5300DN	
D3C2-01	Paper Feed Unit PB1100	

Due to this addition, the FSM and Parts Catalog were revised.

Note that the following component is unique to the standard models:

- Tray cassette

Model: Brz-MF1/P1(for NA/EU only)	Date: 30-Jan-17	No.: RD255045

Field Service Manual Revision for HC model:

2. Installation > Main Machine Installation > Installation Procedure (P29~)

Installation procedure (for HC model only)

Print settings for label paper (including wristbands) are not available under Paper Type. If your customer prints on label paper, please instruct them to select “Middle Thick” as the paper type on both the driver and the machine.

Important

On the machine, set the paper type as “Middle Thick” for the tray loaded with label paper.

[User Tools] > [Machine Features] > [System Settings] > [Tray Paper Settings] > [Paper Type: Tray #] > [Paper Thickness] > [Middle Thick]

Important

Instruct the user to select “Middle Thick” as the paper type on the printer driver when printing on label paper.

6. Troubleshooting >Troubleshooting Guide > Image Quality (P585~)

Troubleshooting Guide (for HC model only)

Symptom

- White spots / Black spots appear on the printouts at 96mm intervals.
- Black spots appear on the printouts at 30mm intervals.

Cause

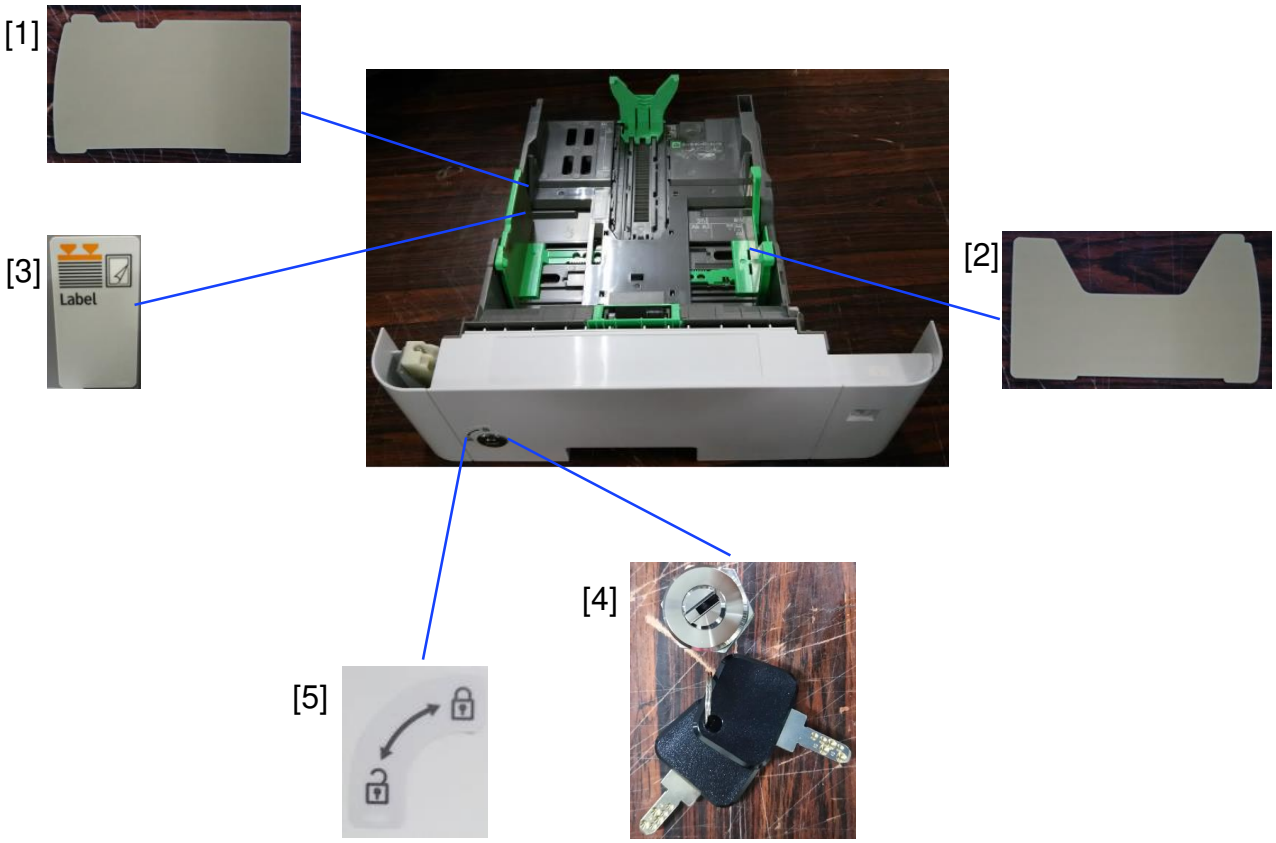
Adhesives contained in label paper adhere to the drum, and then to the charge roller.

Solution

1. Set A4 (or LT) paper on the bypass tray and execute “Drum Refresh” mode.
   MP 501: [User Tools] > [Machine Features] > [Maintenance] > [Drum Refresh]
   SP 5300: [Menu] > [Quality Maintenance] > [Drum Refresh]
2. Remove the charge roller unit and clean the surface of the roller with a dry cloth.

Model: Brz-MF1/P1(for NA/EU only)	Date: 30-Jan-17	No.: RD255045

Parts Catalog Revision for HC model:



Index No.	Part No.	Description	Q'ty	Note 1 (Destination)	Note 2 (Machine Code)
1	D3DC2841	SHEET:SIDE FENCE:LEFT	1	NA / EU	D255-17/ D255-27/ M281-17/ M281-27/ D3C2-01
2	D3DC2842	SHEET:SIDE FENCE:RIGHT	1	NA / EU	
3	D3DC2843	DECAL:SIDE FENCE	1	NA / EU	
4	D3DC2891	KEY:SN-711-8-D:SPECIAL ORDER	1	NA	D255-17/ M281-17/ D3C2-01
5	D3DC2894	DECAL:KEY	1	NA	

Note: The key (p/n: D3DC2891) comes with two spare keys.

Model: Brazil-MF1a	Date: 21-Feb-17	No.: RD255046

Subject: DO NOT install CheetahSystem firmware v1.21 and package all containing cheetah system	Prepared by: T. Kiyohara
From: Field Quality Management Group1, FQM Dept.	

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

Important Notice about Cheetah System v1.21 and package_ALL containing CheetahSystem v1.21

DO NOT install Cheetah System v1.21 and package_ALL containing CheetahSystem v1.21 on machines in the field.

This is because these versions have the following firmware bug.

Note: These versions are no longer released/available.

SYMPTOM

Some Smart SDK application for only RHQ get deleted with CheetahSystem v1.21.

Note:
If this symptom occurs, cannot reinstall the Smart SDK application.

Affected model: Met-C2abcdeyz, Met-P2, Gr-C2/C3, Brz-MF1, Ch-C2, Cor-C1.5, Lef-C1, Mt-C6

CAUSE

Bug with the SDK application for RHQ.

Detail:
This cause is the combination between a side effect of V1.21 and a SDK application's manifest file.
The production signature of the smart SDK application is not correct in RHQ region.
The manifest file for the development is still remained in the application.
The other hand, Cheetah system is added the bata signification function that expired application is deleted since version 1.21.
Therefore this application is un-installed by the bata signification function.

SOLUTION

Do either of the following:

- Install a newer Cheetah System firmware latest version (v1.22).

Scheduled for release: the early of March, 2017

- Install a newer package firmware latest version.

Scheduled for release: the end of March, 2017

- Install an older Cheetah System firmware version or older package firmware.

Model: Brz-MF1	Date: 1-Mar-16	No.: RD255047

Subject: FSM correction: SC673-10 description added	Prepared by: T. Tachibana
From: 2nd 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

Description of SC673-10 was added to the following section of the field service manual:

6. Troubleshooting > Service Call 622-691 > SC600 (Controller) (p.535)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
673-10	D	Operation panel Flair communication error (Smart Operation Panel)
		This SC is issued only for the machine that has the Smart Operation Panel installed. • Communication between Smart Operation Panel and main machine (this is called "Flair communication") is not sent to Smart Operation Panel. • SP setting (SP5-748-201) for Smart Operation Panel is not activated.
		The CATS module (controller) did not see the response to notification of monitoring service module (operation panel).
		1. Turn the main power OFF/ON. 2. Set SP5-748-201 (OpePanel Setting: Cheetah Panel Connect Setting) to "1: Connect" if the value is "0: Not connect". 3. Replace the controller board. 4. Replace the BiCU.

Model: Brz-MF1/P1	Date: 17-Mar-17	No.: RD255048

Subject: FSM correction: Type of SC819	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please delete following descriptions ~~crossed out~~ in red and add the descriptions **in bold** to your field service manual.

6. Troubleshooting > Service Call 816-899 > SC800 (Controller) (P.540~)

No.	Type	Error Name/Error Condition/Major Cause/Solution
SC819-00	~~D~~ **C**	Kernel halt error [xxxx]: Detailed error code
		Due to a control error, a RAM overflow occurred during system processing. One of the following messages was displayed on the operation panel.

Note:

SC819 appears on the operation panel, and then logged after the machine automatically reboots.

Model: Brz-MF1	Date: 17-Mar-17	No.: RD255049

Subject: FSM correction: The setting of SMTP authentication in Scan to Email	Prepared by: H. Morishima
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

The descriptions ***in bold italic*** have been corrected:

Appendices > 4. Software Configuration > Scanner Features (MP501/601 Only) > The settings of SMTP authentication in Scan to Email (P.202~)

The Setting of SMTP authentication in Scan to Email

Scan to Email fails with the error message "Transmission has failed ". The SMTP username and password are correct. How can I make Scan to Email pass?

Change SP 5-860-022 "SMTP Auth. From Field Replacement" to On. By doing this, Scan to Email will pass the SMTP authentication.

Note

- Using this option to solve the above problem, the device ***SMTP email address*** will appear in the email's "From" field. ***The email address of the user who sent the email or the administrator*** will appear in the "Reply-to" field.

Explanation

This is an SMTP authentication issue that aborts transmission of an already started Scan to Email. Currently this has only been reproduced using MS-Exchange server.

MS-Exchange requires that all of the following match:

1. The sender's address in the "MAIL FROM" field. This is also known as the "envelope sender" or "MIME sender". It is an SMTP command sent at the beginning of the email transmission process.
2. The sender's address in the mail header "From:" field. This appears as "From" in email clients. It is a part of the email itself.
3. The email address corresponding to the SMTP username used to login into the SMTP server.

When the MFP logins into the SMTP server, the email address of the username 3) will be compared to 1) and 2). If these comparisons fail, authentication will also fail. Exchange server will stop the transmission procedure, and the "Transmission has failed" message will be returned to the sender.

Typical example

NG case:

SP5-860-022 is Off:

1. The "MAIL FROM" field = ***SMTP email address (Fig.1)***
2. The mail header "From:" field = ***User or administrator (Fig.2 or Fig.3)***
3. The SMTP username = ***SMTP user name (Fig.1)***

When the SMTP server compares 2) and 3) the Exchange Server will stop the transmission procedure.

OK case:

SP5-860-022 can be used to make the values in the above example, match.

In this example, if SP5-860-022 is On, ***the user's email address or administrator's email address*** in the mail header '2)' will be replaced by ***the SMTP email address. (see Fig.1)***

To solve the problem, the ***"Mail From:" field*** must be the same as the ***mail header From:" field.***

If this is done:

1. The "Mail From: field = ***SMTP email address (Fig.1)***
2. The mail header "From:" field = ***SMTP email address (Fig.1)***
3. The SMTP username = ***SMTP user name (Fig.1)***

1, 2 and 3 must match and the authentication should be successful.

Note

• When SP5-860-022 is on, the user's email address or administrator's email address will be inserted into the reply-to field.

Fig.1 Default device SMTP user name, password and email address

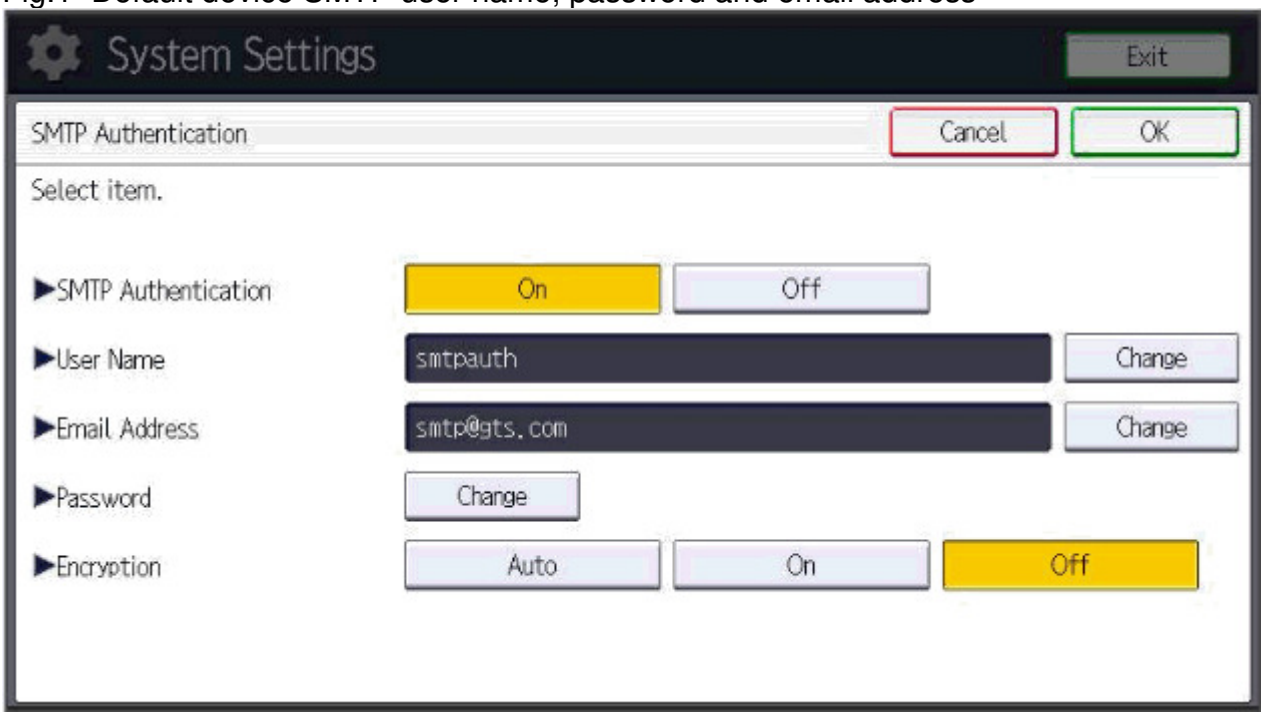


Fig.2 A user's email address in the Address Book

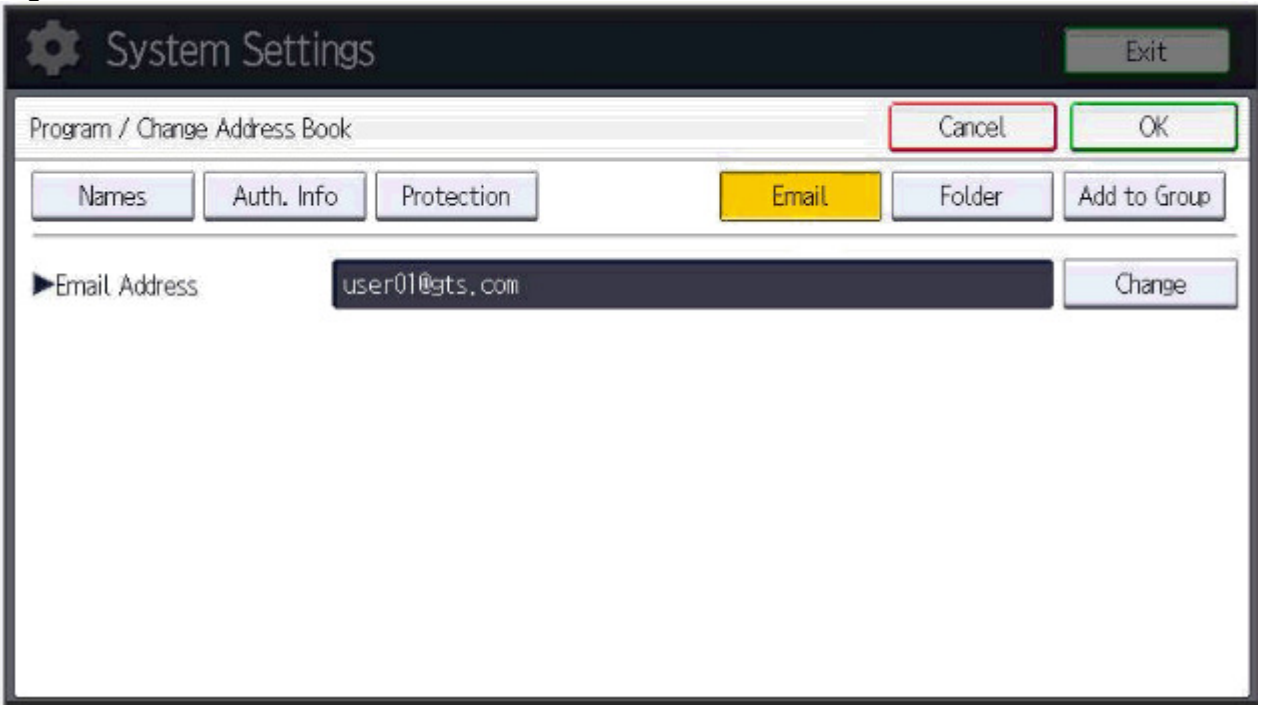
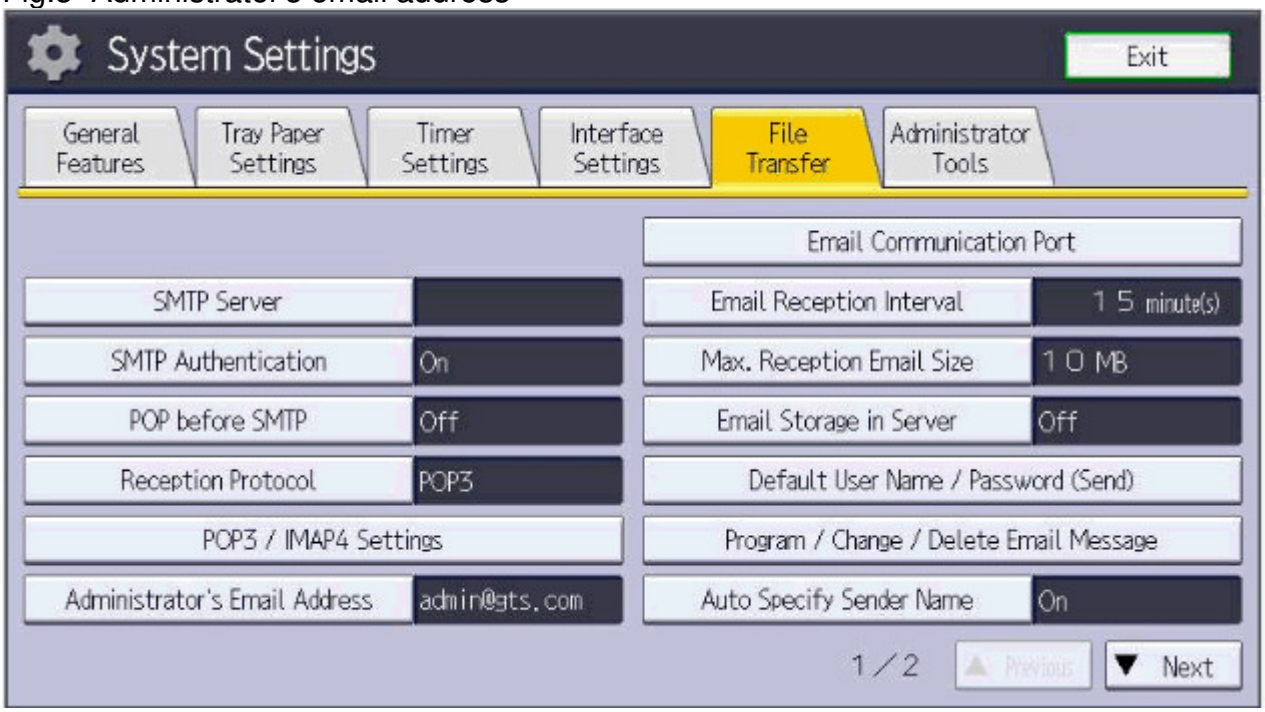


Fig.3 Administrator's email address



Reissued: 13-Oct-18

Model: Brz-MF1	Date: 14-Sep-17	No.: RD255050a

RTB Reissue

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

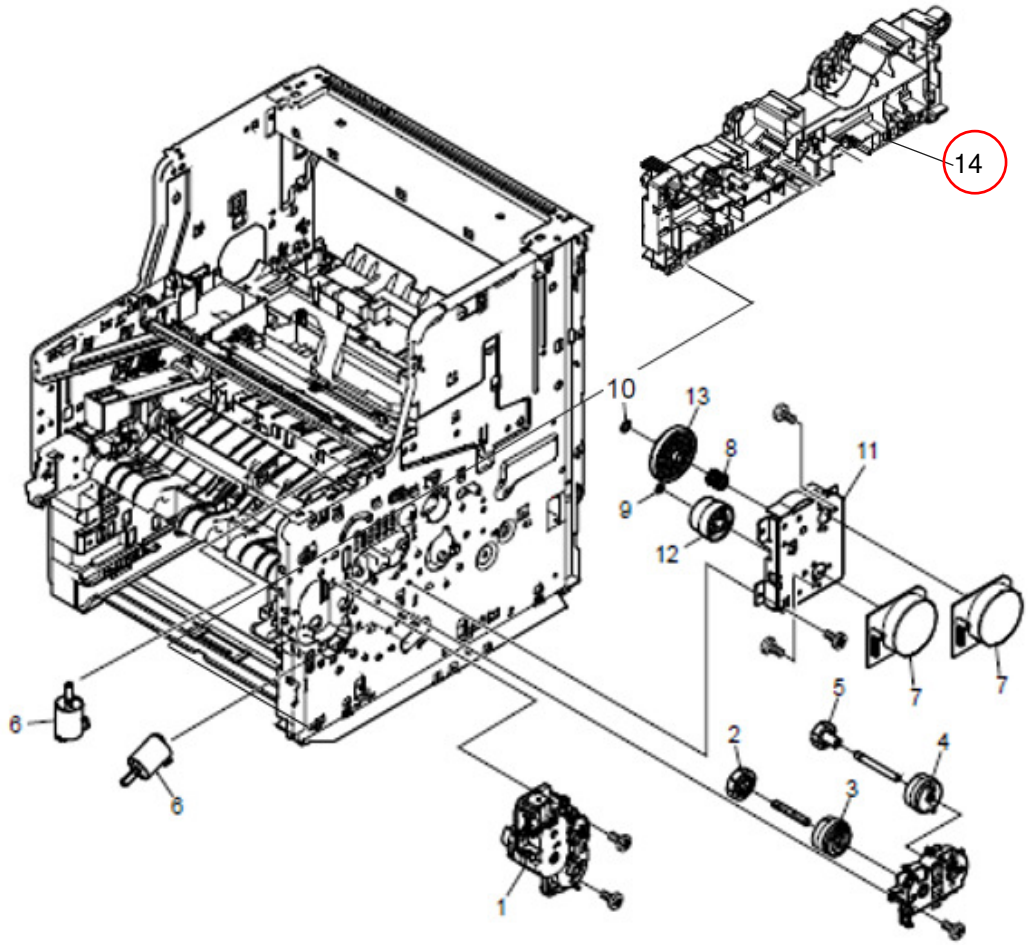
Subject: Parts Catalog Correction for Guide Cassette R			Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: The guide cassette has been registered as a service part.

Reason: To address the field inquiry.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
	M2811182	GUIDE CASSETTE R	0-1	-	22	14	

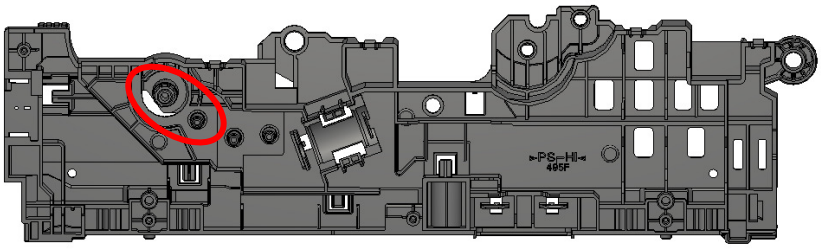
10. Drive Section



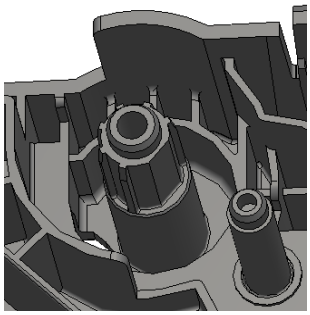
Model: Brz-MF1	Date: 14-Sep-17	No.: RD255050a

Note:

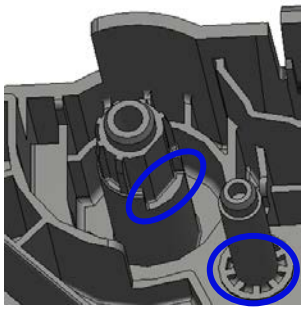
The shafts circled in red have been modified because they may turn white or break. If the shafts are broken, SC501-01(Paper Feed Tray Lift Motor Error (Tray 1)) appears.



Old:



New: The shape of the parts circled in blue have been modified.



Cut-In Serial Number:

The modified parts are provided as a service parts.

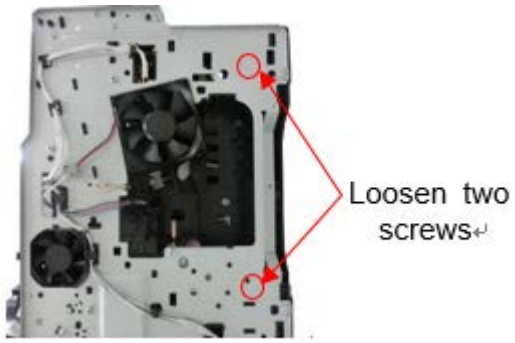
Product name	Destination	Code	Cut-in S/N
MP 501SPF	NA	D255-17	G987X638550
	EU	D255-27	G987X639643
	AA	D255-29	G987X639282
MP 501SPFG	***NA GSA***	***D255-51***	***G988Y701004***
MP 601SPF	NA	D256-17	G997X604119
	EU	D256-27	***G998X104983***
	AA	D256-29	G997X604120
MP 601SPFG	***NA GSA***	***D256-51***	***G997Y800896, G997Y800899, G997Y800903~G997Y801040 Note: G997Y801041 uses an old part.***

Model: Brz-MF1	Date: 14-Sep-17	No.: RD255050a

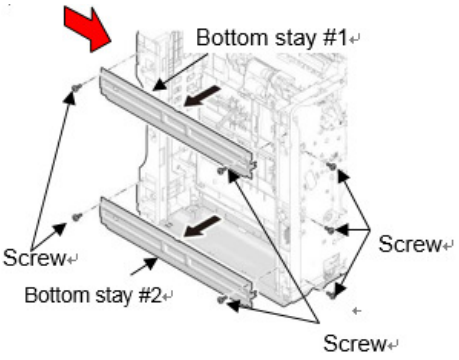
The procedure to replace the guide cassette:

1. Remove all covers except for the scanner front cover, the front cover, the paper exit cover and the paper exit tray. (FSM p226~)
2. Remove the fusing unit. (FSM p314~)
3. Remove the toner cartridge, development unit, and drum unit. (FSM p303~)
4. Remove the controller box.(FSM p350~)
5. Remove the PSU and PSU fan.(FSM p378~, p383~)
6. Loosen the two screws circled in red on the left frame, and remove bottom stay 1 & 2.(screw x7)

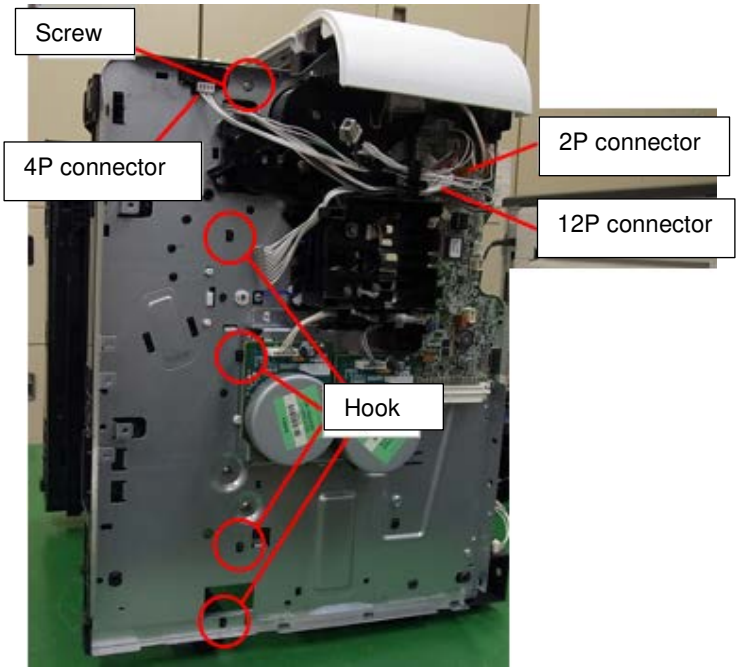
Left frame (rotated 90 degrees):



From the bottom side of the machine:



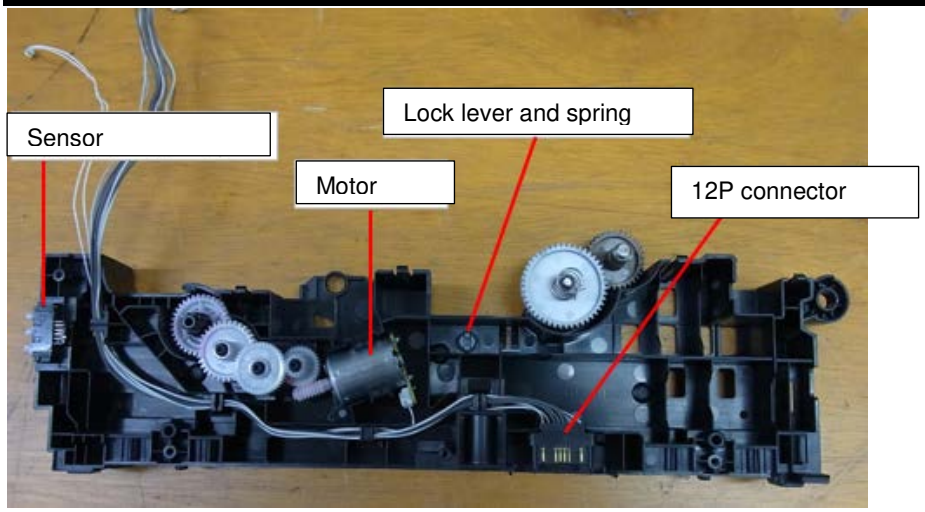
7. Remove the duplex unit.(FSM p335~)
8. Remove three connectors, release four hooks, remove a screw, and then remove the guide cassette installed inside this frame.



9. Reinstall the attached parts to the guide cassette to the new one.

Reissued: 13-Oct-18

Model: Brz-MF1	Date: 14-Sep-17	No.: RD255050a



RICOH

Technical Bulletin

Model: Brz-MF1	Date: 15-Sep-17	No.: RD255051

Subject: Parts Catalog correction: Paper feed tray size switch	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

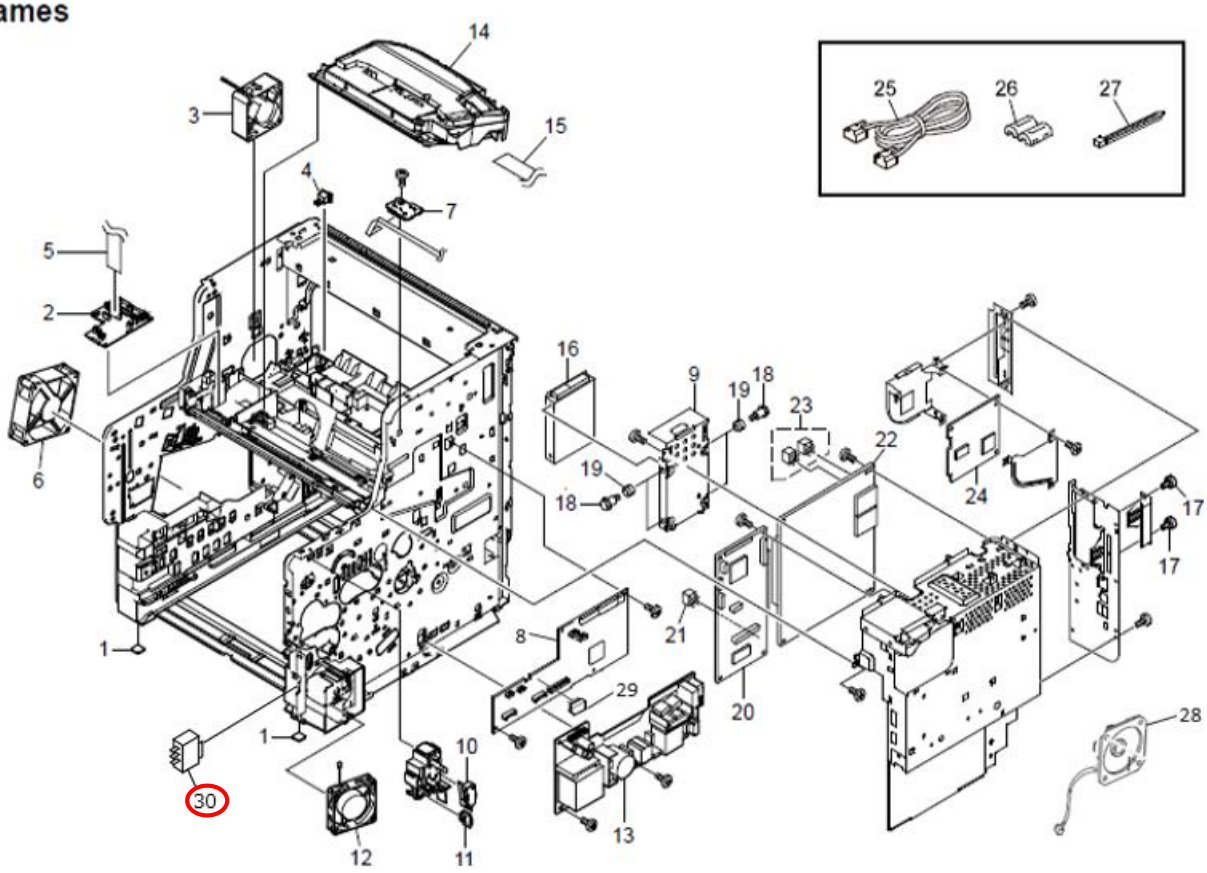
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2812860	SW.PUSH	1		6	30	

2. Frames



Model: Brz-MF1	Date: 15-Sep-17	No.: RD255052

Subject: Parts Catalog correction:STRAP COVER FRONT	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

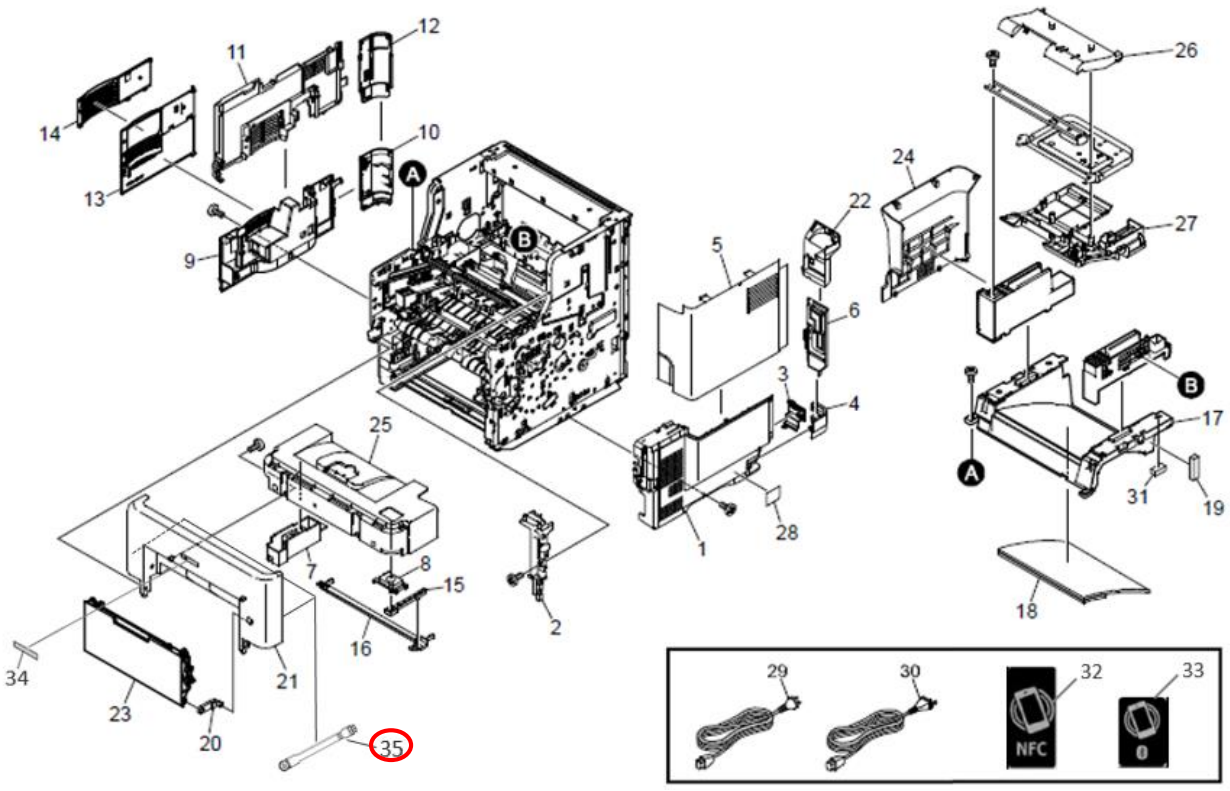
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2551252	STRAP COVER FRONT	2		4	35	

1.Covers



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 24-Oct-17	No.: RD255053

Subject: Parts Catalog correction: Gear of Guide Cassette R	Prepared by: T.Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

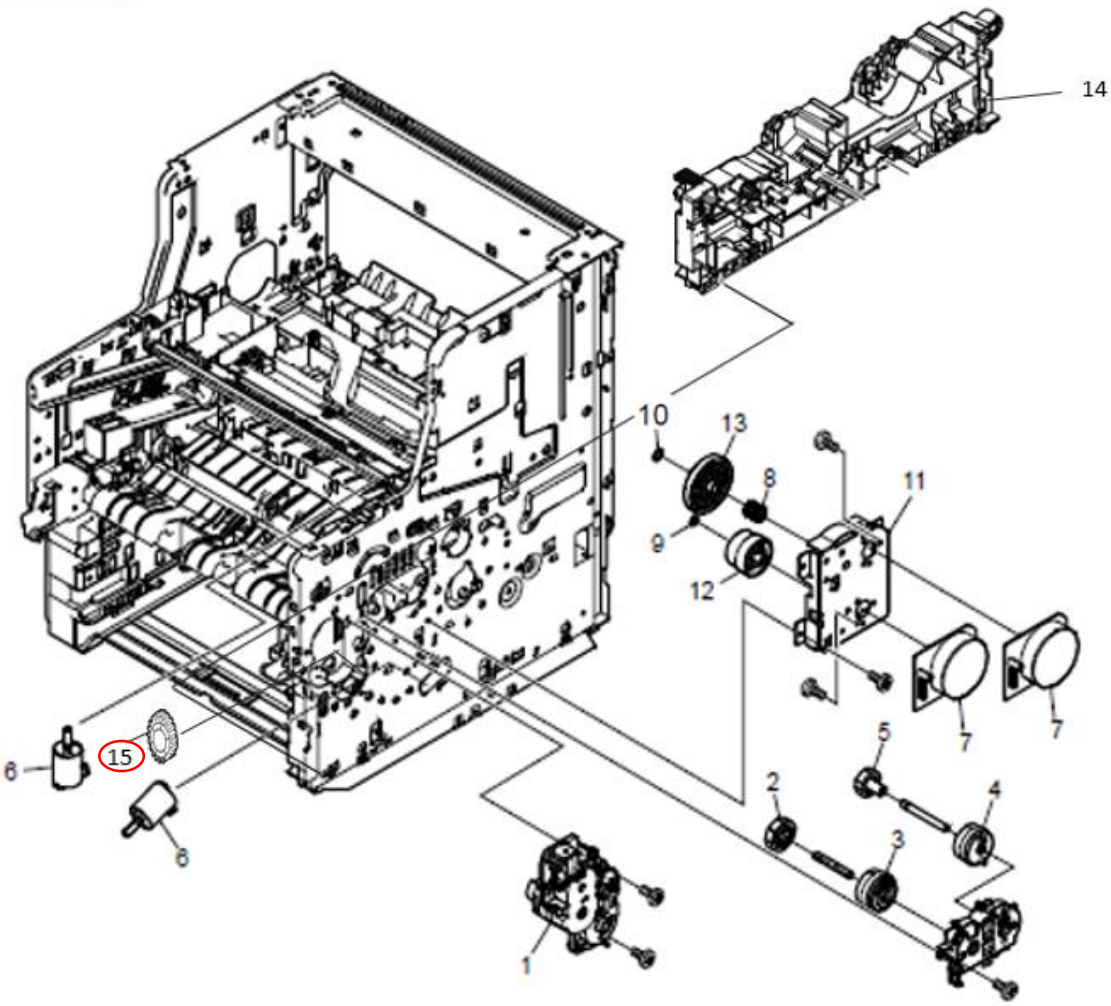
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This parts is newly added.

Reason: To meet requests received from the field.

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
	M2811130	GEAR Z35S-Z13S B	0-1	-	22	15	

10. Drive Section



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 23-Jan-18	No.: RD255055

Subject: Parts Catalog correction:Scanner Front Cover	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

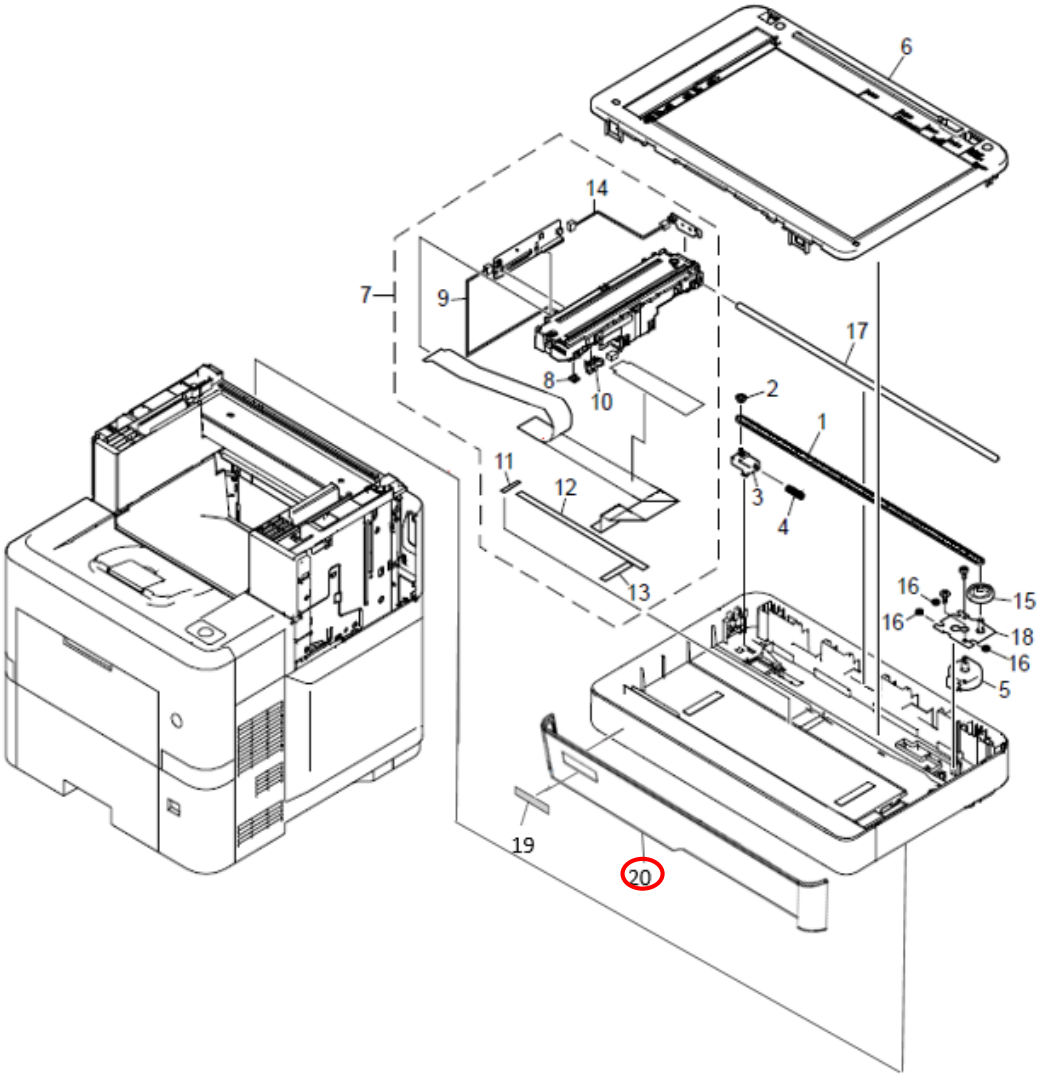
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: The parts is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2551622	COVER_ISU_FRONT	1	-	20	20	

9. Scanner Section



Model: Brz-MF1/P1	Date: 30-Jan-18	No.: RD255056

Subject: FSM correction: SC584-00	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please add the descriptions **in bold** to your field service manual.

6. Troubleshooting > Service Call 501-582 > SC500 (Engine: Paper Transport 2: Fusing, Others) (P.520)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC582-00 **SC584-00**	C **D**	Temperature Sensor Shorted Error
		The average of the output from the temperature sensor is 31 or less for 5 seconds.
		• Temperature sensor defective • IOB defective
		• Temperature sensor defective 1. Reconnect the following connector. • Temperature Sensor – IOB connector 2. If the connector is broken, shorted, or grounded, replace the connector. 3. Replace the temperature sensor. • IOB defective 1. Update the engine software to the latest version. 2. Replace the IOB.

Note: SC582 or SC584 might occur under the error conditions listed above.

Model: Brz-MF1/P1	Date: 2-Feb-18	No.: RD255057

Subject: FSM correction: Sensor Layout	Prepared by: T. Tachibana
From: 2nd Tech Service Sect., MFP/P Tech Service Dept.	

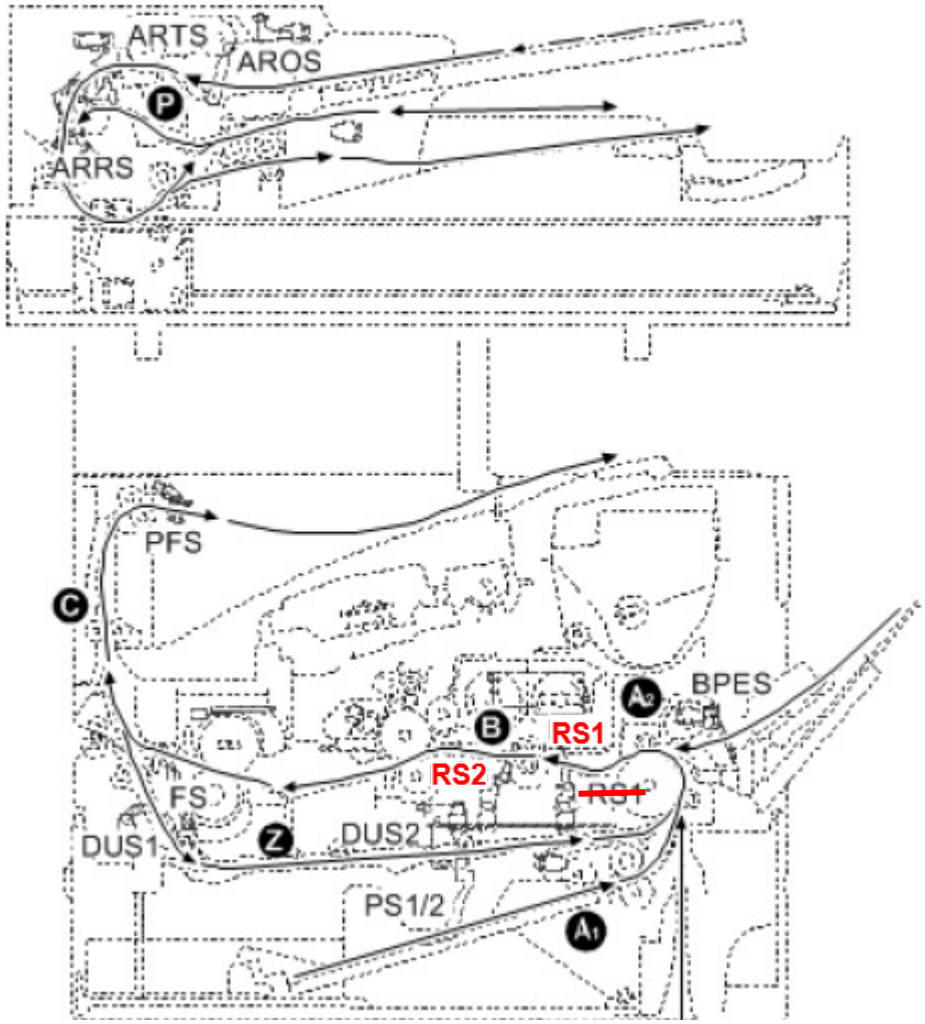
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☒ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2 ☐ Tier 0.5

Service Manual Correction:

Please correct the descriptions **in red** to your field service manual.

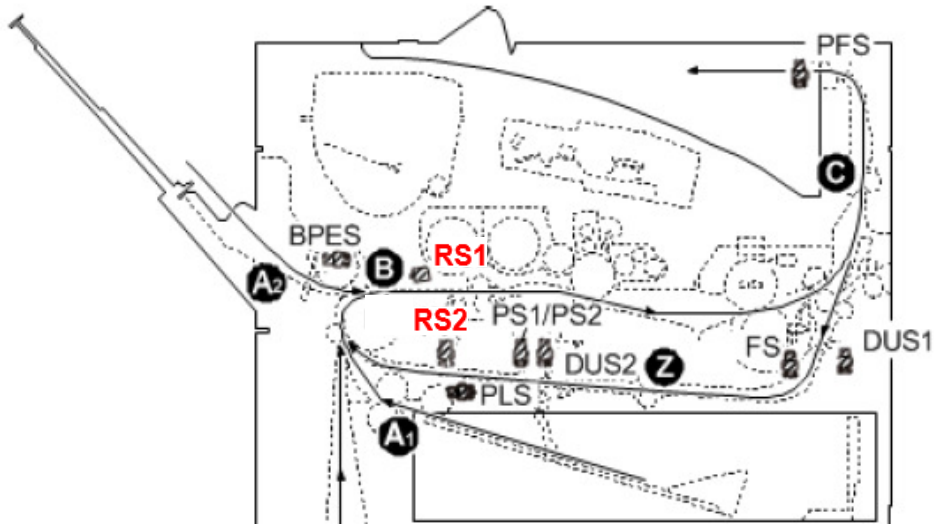
6. Troubleshooting > Jam Detection > Sensor Layout (P.580~)

MP 501/601



Abbreviation	Name	Abbreviation	Name
ARTS	ARDF original timing sensor	PFPS3	Paper end sensor 3*1
BPES	Bypass paper end sensor	PFPS4	Paper end sensor 4*1
DUS1	Duplex sensor 1	PFS	Paper exit full sensor
DUS2	Duplex sensor 2	PS1	Paper end sensor 1
FS	Fusing sensor	PS2	Paper end sensor 2
PFFS1	Paper feed sensor 1*1	RS1	Registration sensor 1
PFFS2	Paper feed sensor 2*1	RS2	Registration sensor 2
PFFS3	Paper feed sensor 3*1	~~RS3~~	~~Registration sensor 3~~
PFFS4	Paper feed sensor 4*1		

SP 5300/5310



Abbreviation	Name	Abbreviation	Name
PFFS4	Paper feed sensor 4*1	PS2	Paper end sensor 2
PFLS1	Paper feed tray limit sensor 1*1	RS1	Registration sensor 1
PFLS2	Paper feed tray limit sensor 2*1	RS2	Registration sensor 2
PFLS3	Paper feed tray limit sensor 3*1	~~RS3~~	~~Registration sensor 3~~
PFLS4	Paper feed tray limit sensor 4*1		

Model: Brz-P1/MF1	Date: 2-Mar-18	No.: RD255058

Subject: FSM correction for SP5000(Controller)	Prepared by: T. Tachibana
From: 2nd 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 ☐ Tier 0.5

Service Manual Correction:

Please add the descriptions **in blue** to your field service manual.

Appendices > 3. SP Mode Tables > Main SP Tables-5 (Controller) (P.53)

5045 (MP 501/601 only)	**[Accounting Counter]**		
5-045-001	Counter Method	CTL*	[0 or 1 / **0** / 1 / step] 0: Developments 1: Prints 2: Coverage 7: Coverage (YMC)

5051 (MP 501/601 only)	**[TonerRefillDetectionDisplay]**		
5-051-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: ON, 1: OFF

5055	**[Display IP address]**		
5-055-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON

5071 (MP 501/601 only)	**[Set Bypass Paper Size Display]**		
5-071-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON

5074 (MP 501/601 only)	**[Home Key Customization]**		
5-074-002	Login Setting	CTL*	[0 to 255 / **0** / 1 / step]
5-074-050	Show Home Edit Menu	CTL	[0 to 2 / **0** / 1 / step]
5-074-091	Function Setting	CTL*	[0 to 2 / **0** / 1 / step] 0: Function disable 1: SDK application 2: Legacy application (reserved)
5-074-092	Product ID	CTL*	[0 to 0xffffffff / **0** / 1 / step]
5-074-093	Application Screen ID	CTL*	[0 to 255 / **0** / 1 / step]

5083	**[LED Light Switch Setting]**		
5-083-001	Toner Near End	CTL	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON
5-083-002	Waste Toner Near End	CTL	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON

5114 (MP 501/601 only)	**[Optional Counter I/F]**		
5-114-001	MF Key Card Extension	CTL*	[0 or 1 / **0** / 1 / step] 0: Not installed 1: Installed (scanning accounting)

5118 (MP 501/601 only)	**[Disable Copying]**		
5-118-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: Not disabled, 1: Disabled

5120	**[Mode Clear Opt. Counter Removal]** (MP 501/601 only)

5-120-001	0: Yes 1: StandBy 2:No	CTL*	[0 to 2 / **0** / 1 / step] 0: Yes (removed) 1: Standby (installed but not used) 2: No (not removed)

5121 (MP 501/601 only)	**[Counter Up Timing]**		
5-121-001	0: Feed 1: Exit	CTL*	[0 or 1 / **0** / 1 / step] 0: Feed, 1: Exit

5127 (MP 501/601 only)	**[APS OFF Mode]**		
5-127-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: Not disabled, 1: Disabled

5150	**[Length Setting]**		
5-150-001	Bypass (0: OFF 1:Long)	CTL	[0 or 1 / **0** / 1 / step] 0: OFF, 1: Long

5167 (MP 501/601 only)	**[Fax Printing Mode at Optional Counter Off]**		
5-167-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: Automatic printing 1: No automatic printing

5169	**[CE Login]**		
5-169-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: Disabled, 1: Enabled

5188 (MP 501/601 only)	**[Copy Nv Version]**		
5-188-001	-	CTL*	-

5191	**[Mode Set]**		

5-191-001	Power Str Set	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON

5195	**[Limitless SW]**		
5-195-001	-	CTL*	[0 or 1 / **0** / 1 /step] 0: Productivity Precede 1: Use paper up

5227 (MP 501/601 only)	**[Page Numbering]**		
5-227-201	Allow Page No. Entry	CTL*	[2 to 9 / **9** / 1 / step]
5-227-202	Zero Surplus Setting	CTL*	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON

5302	**[Set Time]**		
5-302-002	Time Difference	CTL*	[-1440 to 1440 / * / 1 / step] *NA: -300 *EU: 60 *AP/CHN/TWN: 480 *KOR: 540

5305	**[Auto Off Set]**		
5-305-101	Auto Off Limit Set	CTL*	[0 or 1 / **1** / 1 / step] 0: Disabled, 1: Enabled

5307	**[Daylight Saving Time]**		
5-307-001	Setting	CTL*	[0 or 1 / * / 1 / step] *NA/EU: 1 *AP/CHN/TWN/KOR: 0 0: Disabled 1: Enabled
5-307-003	Rule Set(Start)	CTL*	[0x00 to 0xffffffff / * / 1 / step] *NA: 0x03200210 *EU: 0x03500010 *AP: 0x10500010 *CHN/TWN/KOR: 0

5-307-004	Rule Set(End)	CTL*	[0x00 to 0xffffffff / * / 1 / step] *NA: 0x11100200 *EU: 0x10500100 *AP: 0x03100000 *CHN/TWN/KOR: 0

5401	**[Access Control]**		
5-401-103	Default Document ACL	CTL*	[0 to 3 / **0** / 1 / step] (MP 501/601 only)
5-401-104	Authentication Time	CTL*	[0 to 255 / **0** / 1 sec / step]
5-401-162	Extend Certification Detail	CTL*	[0 to 0xff / **0** / 1 / step]
5-401-200	SDK1 UniqueID	CTL*	[0 to 0xFFFFFFFF / **0** / 1 / step]
5-401-201	SDK1 Certification Method	CTL*	[0 to 0xFF / **0** / 1 / step]
5-401-210	SDK2 UniqueID	CTL*	[0 to 0xFFFFFFFF / **0** / 1 / step]
5-401-211	SDK2 Certification Method	CTL*	[0 to 0xFF / **0** / 1 / step]
5-401-220	SDK3 UniqueID	CTL*	[0 to 0xFFFFFFFF / **0** / 1 / step]
5-401-221	SDK3 Certification Method	CTL*	[0 to 0xFF / **0** / 1 / step]
5-401-230	SDK Certification Device	CTL*	[0 to 0xff / **0** / 1 / step] 0-1: SDK authentication available 0-0: Disable all functions 1-1: SKB Display 1-0: Disable 2-1: Administrator login 2-0: Disable 3 to 7-0: Reserved (set “0” only)

5-401-240	Detail Option	CTL*	[0 to 0xff / **0** / 1 / step] 0: Logout confirm option - 1: ON, 0: OFF 2 to 1: Auto-logout timer(retrytimer) - 11: 30sec, 10: 20sec, 01:10sec, 00: 60sec 3: personal authority / Group authority and operation - 1: ON, 0: OFF 4: Skip password entry - 1: ON, 0: OFF 5: Set the display of the remaining Frequence - 1: ON, 0: OFF 6 to 7: Set the display time - 1: ON, 0: OFF

5411	**[LDAP-Certification]**		
5-411-004	Simplified Authentication	CTL*	[0 or 1 / **1** / 1 / step] 1: On, 0: Off
5-411-005	Password Null Not Permit	CTL*	[0 or 1 / **1** / 1 / step] 0: Password NULL not permitted. 1: Password NULL permitted.
5-411-006	Detail Option	CTL*	[0 to 0xff / **0** / 1 / step] 0: Anonymous Certification - 1: ON, 0: OFF 1 to 7: Not used

5413	**[Lockout Setting]**		
5-413-001	Lockout On/Off	CTL*	[0 or 1 / **0** / 1 / step] 0: Off, 1: On
5-413-002	Lockout Threshold	CTL*	[1 to 10 / **5** / 1 / step]
5-413-003	Cancel On/Off	CTL*	[0 or 1 / **0** / 1 / step] 0: Off (no wait time, lockout not cancelled) 1: On (system waits, cancels lockout if correct user ID and password are entered)
5-413-004	Cancel Time	CTL*	[1 to 9999 / **60** / 1 min / step]

5414	**[Access Mitigation]**		
5-414-001	Mitigation On/Off	CTL*	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON
5-414-002	Mitigation Time	CTL*	[0 to 60 / **15** / 1 min / step]

5420	**[User Authentication]**		
5-420-001	Copy	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: On, 1: Off
5-420-011	DocumentServer	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: On, 1: Off
5-420-021	Fax	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: On, 1: Off
5-420-031	Scanner	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: On, 1: Off
5-420-041	Printer	CTL*	[0 or 1 / **0** / 1 / step] 0: On, 1: Off
5-420-051	SDK1	CTL*	[0 or 1 / **0** / 1 / step] 0: On, 1: Off
5-420-061	SDK2	CTL*	[0 or 1 / **0** / 1 / step] 0: On, 1: Off
5-420-071	SDK3	CTL*	[0 or 1 / **0** / 1 / step] 0: On, 1: Off
5-420-081	Browser	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: On, 1: Off

5481	**[Authentication Error Code]**		
5-481-001	System Log Disp	CTL*	[0 or 1 / **0** / 1 / step] 0: Off, 1: On
5-481-002	Panel Disp	CTL*	[0 or 1 / **1** / 1 / step] (MP 501/601 only) 0: Off, 1: On

5490 (MP 501/601 only)	**[MF KeyCard]**		
5-490-001	Job Permit Setting	CTL*	[0 or 1 / **0** / 1 / step] 0: Disabled. Cancels operation without a user code. 1: Enabled. Allows operation without a user code.

5501	**[PM Alarm]**

5-501-001	PM Alarm Level	CTL*	[0 to 9999 / **0** / 1 / step] 0: Alarm off 1 to 9999: Alarm goes off when Value (1 to 9999) x 1000 > PM counter
5-501-002	Original Count Alarm	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: Off, 1: On

5504	**[Jam Alarm]**		
5-504-001	Level Setting	CTL*	[0 to 3 / **3** / 1 / step] 0: Z, 1: L, 2: M, 3: H
5-504-002	Threshold	CTL*	[1 to 99 / **10** / 1 / step]

5507	**[Supply/CC Alarm]**		
5-507-001	Paper Supply Alarm	CTL*	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON
5-507-003	Toner Supply Alarm	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-507-006	WasteTonerBottle Supply Alarm	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-507-080	Toner Call Timing	CTL*	[0 or 1 / **0** / 1 / step] 0: Toner bottle replacement 1: Less than toner threshold
5-507-081	Toner Call Threshold	CTL*	[10 to 90 / **10** / 10 % / step] This program enables only if SP5-507-080 is “1”.
5-507-128	Interval: Others	CTL*	[250 to 10000 / **1000** / 1 / step]
5-507-133	Interval: A4	CTL*	[250 to 10000 / **1000** / 1 / step]
5-507-134	Interval: A5	CTL*	[250 to 10000 / **1000** / 1 / step]
5-507-142	Interval: B5	CTL*	[250 to 10000 / **1000** / 1 / step]
5-507-164	Interval: LG	CTL*	[250 to 10000 / **1000** / 1 / step]
5-507-166	Interval: LT	CTL*	[250 to 10000 / **1000** / 1 / step]
5-507-172	Interval: HLT	CTL*	[250 to 10000 / **1000** / 1 / step]

5508 (MP 501/601 only)	**[CC Call]**

5-508-001	Jam Remains	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-508-002	Continuous Jams	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-508-003	Continuous Door Open	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-508-011	Jam Detection: Time Length	CTL*	[3 to 30 / **10** / 1 / step]
5-508-012	Jam Detection: Continuous Count	CTL*	[2 to 10 / **5** / 1 / step]
5-508-013	Door Open: Time Length	CTL*	[3 to 30 / **10** / 1 / step]

5515	**[SC/Alarm Setting]**		
5-515-001	SC Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-002	Service Parts Near End Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-003	Service Parts End Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-004	User Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-006	Communication Test Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-007	Machine Information Notice	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-008	Alarm Notice	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-009	Non Genuine Tonner Ararm	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-010	Supply Automatic Ordering Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-011	Supply Management Report Call	CTL*	[0 or 1 / **1** / 1 / step] 0: OFF, 1: ON
5-515-012	Jam/Door Open Call	CTL*	[1 to 255 / **1** / 1 / step] 0: OFF, 1: ON
5-515-050	Timeout:Manual Call	CTL*	[1 to 255 / **5** / 1 min / step]

5-515-051	Timeout:Other Call	CTL*	[1 to 255 / **10** / 1 min / step]

5730 (MP 501/601 only)	**[Extended Function Setting]**		
5-730-001	JavaTM Platform setting	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-730-010	Expiration Prior Alarm Set	CTL*	[0 to 999 / **20** / 1 days / step]

5731	**[Counter Effect]**		
5-731-001	Change Mk1 Cnt(Paper->Combine)	CTL*	[0 or 1 / **0** / 1 / step] 0: Disable, 1: Enable

5748 (MP 501/601 only)	**[OpePanel Setting]**		
5-748-101	Op Type Action Setting	CTL*	[0 to 0xff / **0** / 1/step] · bit0 0: Normal operation panel 1: Smart operation panel
5-748-201	Cheetah Panel Connect Setting	CTL	[0 or 1 / **0** / 1 / step] 0: OFF, 1: ON

5749	**[Import/Export]**		
5-749-001	Export	CTL	[0 to 0 / **0** / 0 / step] Target: System, Printer, Fax,Scanner Option: Unique, Secret Copy config: Encryption, Encryption key (if selectected)
5-749-101	Import	CTL	[0 to 0 / **0** / 0 / step] Option: Unique Copy config: Encryption, Encryption key (if selected)

5752 (MP 501/601 only)	**[Copy:WebAPI Setting]**

5-752-001	Copy:FlairAPI Setting	CTL*	[0 to 255 / **0** / 1 / step] bit 0: Start of FlairAPI Server (0: Off, 1: On) bit 1: Access Perrmission of FlairAPI from outside of the machine (0: Disabled, 1: Enabled) bit 2: Reserved bit 3: Reserved bit 4: Simple UI Function (0: Disabled, 1: Enabled) bit 5: Accessing permission of Simple UI from outside of the machine (0: Disabled, 1: Enabled) bit 6: Reserved bit 7: Reserved

5758 (MP 501/601 only)	**[RemoteUI Setting]**		
5-758-001	Authentication	CTL*	[0 or 1 / **0** / 1 / step] 0: Disable, 1: Enable

5812	**[Service Tel. No. Setting]**		
5-812-001	Service	CTL*	[up to 20 / - / 1]
5-812-002	Facsimile	CTL*	[up to 20 / - / 1]
5-812-003	Supply	CTL*	[up to 20 / - / 1] (MP 501/601 only)
5-812-004	Operation	CTL*	[up to 20 / - / 1] (MP 501/601 only)
5-812-101	Disp Inquiry	CTL*	[0 or 1 / **0** / 0 / step] (MP 501/601 only) 0: OFF, 1: ON

5816	**[NRS Function]**		
5-816-001	I/F Setting	CTL*	[0 to 2 / **2** / 1 / step] 0: Remote service off 1: CSS remote service on 2: NRS remote service on
5-816-002	CE Call	CTL*	[0 or 1 / **0** / 1 / step] 0: Start of the service 1: End of the service
5-816-003	Function Flag	CTL*	[0 or 1 / **0** / 1 / step] 0: Disabled 1: Enabled

5-816-007	SSL Disable	CTL*	[0 or 1 / **0** / 1 / step] 0: Yes. SSL not used. 1: No. SSL used.
5-816-008	RCG Connect Timeout	CTL*	[1 to 90 / **30** / 1 sec / step]
5-816-009	RCG Write Timeout	CTL*	[0 to 100 / **60** / 1 sec / step]
5-816-010	RCG Read Timeout	CTL*	[0 to 100 / **60** / 1 sec / step]
5-816-011	Port 80 Enable	CTL*	[0 or 1 / **0** / 1 / step] 0: No. Access denied 1: Yes. Access granted.

5816	**[Remote Service]**		
5-816-013	RFU Timing	CTL*	[0 or 1 / **1** / 1 / step] 0: Any status of a target machine 1: Sleep or panel off mode only
5-816-014	RCG Error Cause	CTL	[0 to 2 / **0** / 1 / step] 0: Initial state, normal condition 1: Error
5-816-021	RCG-C Registed	CTL*	[0 or 1 / **1** / 1 / step] 0: Installation not completed 1: Installation completed
5-816-023	Connect Type(N/M)	CTL*	[0 or 1 / **0** / 1 / step] 0: internet connection 1: Dial-up connection
5-816-061	Cert Expire Timing	CTL*	[0 to 0 / **0** / 0 / step] 0: Not use, 1: Use
5-816-062	Use Proxy	CTL*	[0 or 1 / **0** / 1 / step] 0: Not use, 1: Use
5-816-063	Proxy Host	CTL*	[0 to 0 / **0** / 0 / step]
5-816-064	Proxy PortNumber	CTL*	[0 to 0xffff / **0** / 1 / step]
5-816-065	Proxy User Name	CTL*	[0 to 0 / **0** / 0 / step]
5-816-066	Proxy Password	CTL*	[0 to 0 / **0** / 0 / step]
5-816-067	CERT:Up State	CTL*	[0 to 255 / **0** / 1 / step]
5-816-068	CERT:Error	CTL*	[0 to 255 / **0** / 1 / step]
5-816-069	CERT:Up ID	CTL*	[0 to 0 / **0** / 0 / step]

5-816-083	Firm Up Status	CTL*	[0 to 5 / **0** / 1 / step] 0: Waiting for accepting firm update 1: Waiting for firm update start schedule 2: Waiting for user confirmation 3: In preparation for the machine firm update 4: processing the machine firm update 5: processing the closing operation of the machine firm update
5-816-085	Firm Up User Check	CTL*	[0 or 1 / **0** / 1 / step]
5-816-086	Firmware Size	CTL*	[0x00 to 0xffff / **0x00** / 1 / step]
5-816-087	CERT:Macro Ver.	CTL	[0 to 0 / **0** / 0 / step]
5-816-088	CERT:PAC Ver.	CTL	[0 to 0 / **0** / 0 / step]
5-816-089	CERT:ID2Code	CTL	[0 to 0 / **0** / 0 / step]
5-816-090	CERT:Subject	CTL	[0 to 0 / **0** / 0 / step]
5-816-091	CERT:Serial No.	CTL	[0 to 0 / **0** / 0 / step]
5-816-092	CERT:Issuer	CTL	[0 to 0 / **0** / 0 / step]
5-816-093	CERT:Valid Start	CTL	[0 to 0 / **0** / 0 / step]
5-816-094	CERT:Valid End	CTL	[0 to 0 / **0** / 0 / step]
5-816-102	CERT:Encrypt Level	CTL*	[1 to 2 / **1** / 1 / step]
5-816-103	Client Communication Method	CTL*	[0 to 3 / **0** / 1 / step]
5-816-104	Client Communication Limit	CTL*	[0 or 1 / **0** / 1 / step]
5-816-115	Network Information Waiting timer	CTL*	[0 or 1 / **0** / 1 / step]
5-816-200	Manual Polling	CTL	[0 or 1 / **0** / 1 / step]
5-816-201	Regist Status	CTL	[0 or 1 / **0** / 1 / step]
5-816-202	Letter Number	CTL*	[0 or 1 / **0** / 0 / step]
5-816-203	Confirm Execute	CTL	[0 or 1 / **0** / 1 / step]

5-816-204	Confirm Result	CTL	[0 to 255 / **0** / 1 / step] 0: Success Inquiry 1: Request number error 3: Communication error (Enabled Proxy) 4: Communication error (Disabled Proxy) 5: Proxy error (failed auth.) 6: Communication error 8: Other error (See SP5-816-208 for detail) 9: Processing inquiry 20: Failed Dial-up auth. 21: Failed answer tone detection 22: Failed career detection 23: Invalid modem value 24: Shortage of electrical current 25: Cable disconnected 26: Line occupied
5-816-205	Confirm Place	CTL	[0 to 255 / **0** / 1 / step] 0: Success registration 1: Request number error 3: Communication error (Enabled Proxy) 4: Communication error (Disabled Proxy) 5: Proxy error (failed auth.) 6: Communication error 8: Other error (See SP5-816-208 for detail) 9: Processing registration 20: Failed Dial-up auth. 21: Failed answer tone detection 22: Failed career detection 23: Invalid modem value 24: Shortage of electrical current 25: Cable disconnected 26: Line occupied
5-816-206	Register Execute	CTL	[0 or 1 / **0** / 1 / step]
5-816-207	Register Result	CTL	[0 to 255 / **0** / 1 / step]
5-816-208	Error Code	CTL	[-2147483647 to 2147483647 / **0** / 0 / step]
5-816-209	Instl Clear	CTL	[0 or 1 / **0** / 1 / step]
5-816-240	CommErrorTime	CTL	[0 to 0 / **0** / 1 / step]

5-816-241	CommErrorCode 1	CTL*	[0x00 to 0xffff / **0x00** / 1 / step]
5-816-242	CommErrorCode 2	CTL*	[0x00 to 0xffff / **0x00** / 1 / step]
5-816-243	CommErrorCode 3	CTL*	[0x00 to 0xffff / **0x00** / 1 / step]
5-816-244	CommErrorState 1	CTL*	[0 to 0xffff / **0x0000** / 1 / step]
5-816-245	CommErrorState 2	CTL*	[0 to 0xffff / **0x0000** / 1 / step]
5-816-246	CommErrorState 3	CTL*	[0 to 0xffff / **0x0000** / 1 / step]
5-816-247	SSL Error Count	CTL*	[0 to 255 / **0** / 1 / step]
5-816-248	Other Err Count	CTL*	[0 to 255 / **0** / 1 / step]
5-816-250	CommLog Print	CTL	[0 to 255 / **0** / 0 / step]

5828	**[Network Setting]**		
5-828-050	1284 Compatiblity (Centro)	CTL*	[0 or 1 / **1** / 1 / step] 0: Disabled, 1: Enabled
5-828-052	ECP (Centro)	CTL*	[0 or 1 / **1** / 1 / step] 0: Disabled, 1: Enabled
5-828-065	Job Spooling	CTL*	[0 or 1 / **1** / 1 / step] 0: Disabled, 1: Enabled
5-828-066	Job Spooling Clear: Start Time	CTL*	[0 or 1 / **1** / 1 / step] 0: ON (Data is cleared) 1: OFF (Automatically printed)
5-828-069	Job Spooling (Protocol)	CTL*	[0x00 to 0xff / **0x7f** / 0 / step] 0: Validates 1: Invalidates bit0: LPR bit1: FTP bit2: IPP bit3: SMB bit4: BMLinkS bit5: DIPRINT bit6: sftp bit7: (Reserved)

5-828-087	Protocol usage	CTL*	[0x00 to 0xffff / **0x00** / 1 / step] 0: Off (Not used the network with the protocol.) 1: On (Used the network with the protocol once or more.) bit0: IPsec, bit1: IPv6, bit2: IEEE 802.1X, bit3:Wireless LAN, bit4: Security mode level setting, bit5:Appletalk, bit6: DHCP, bit7: DHCPv6, bit8: telnet, bit9: SSL, bit10: HTTPS, bit11: BMLinkS printing, bit12: diprint printing, bit13: LPR printing, bit14: ftp printing, bit15: rsh printing, bit16: SMB printing, bit17: WSD-Printer, bit18: WSD-Scanner, bit19: Scan to SMB, bit20: Scan to NCP, bit21: Reserve, bit22: Bluetooth, bit23: IEEE 1284, bit24: USB printing, bit25: Dynamic DNS, bit26: Netware printing, bit27: LLTD, bit28: IPP printing, bit29: IPP printing (SSL), bit30: ssh, bit31: sftp
5-828-090	TELNET (0:OFF 1:ON)	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-828-091	Web(0:OFF 1:ON)	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-828-145	Active IPv6 Link Local Address	CTL	[0 to 0 / **0** / 0 / step]
5-828-147	Active IPv6 Stateless Address 1	CTL	[0 to 0 / **0** / 0 / step]
5-828-149	Active IPv6 Stateless Address 2	CTL	[0 to 0 / **0** / 0 / step]
5-828-151	Active IPv6 Stateless Address 3	CTL	[0 to 0 / **0** / 0 / step]
5-828-153	Active IPv6 Stateless Address 4	CTL	[0 to 0 / **0** / 0 / step]
5-828-155	Active IPv6 Stateless Address 5	CTL	[0 to 0 / **0** / 0 / step]
5-828-156	IPv6 Manual Address	CTL*	[0 to 0 / **0** / 0 / step]
5-828-158	IPv6 Gateway Address	CTL*	[0 to 0 / **0** / 0 / step]

5-828-161	IPv6 Stateless Auto Setting	CTL*	[0 or 1 / **1** / 1 / step] 0: Disable, 1: Enable
5-828-219	IPsec Aggressive Mode Setting	CTL*	[0 or 1 / **0** / 1 / step]
5-828-236	Web Item visible	CTL*	[0x0000 to 0xffff / **0xffff** / 1 / step] bit0: Net RICOH bit1: Consumable Supplier bit2-15: Reserved (all)
5-828-237	Web shopping link visible	CTL*	[0 or 1 / **1** / 1 / step] 0: Not display, 1: Display
5-828-238	Web Supplies Link visible	CTL*	[0 or 1 / **1** / 1 / step] 0: Not display, 1: Display
5-828-239	Web Link1 Name	CTL*	[0 to 0 / **0** / 0 / step]
5-828-240	Web Link1 URL	CTL*	[0 to 0 / **0** / 0 / step]
5-828-241	Web Link1 visible	CTL*	[0 or 1 / **1** / 1 / step] 0: Not display, 1: Display
5-828-242	Web Link2 Name	CTL*	[0 to 0 / **0** / 0 / step]
5-828-243	Web Link2 URL	CTL*	[0 to 0 / **0** / 0 / step]
5-828-244	Web Link2 visible	CTL*	[0 or 1 / **1** / 1 / step] 0: Not display, 1: Display
5-828-249	DHCPv6 DUID	CTL	[0 to 0 / **0** / 0 / step]

5836 (MP 501/601 only)	**[Capture Setting]**		
5-836-001	Capture Function (0:Off 1:On)	CTL*	[0 or 1 / **0** / 1 / step] 0: Disable, 1: Enable
5-836-011	Capture Setting: Copy	CTL*	[0 or 1 / **0** / 1 / step]
5-836-012	Capture Setting: Doc. Svr.	CTL*	[0 or 1 / **0** / 1 / step]
5-836-013	Capture Setting: Fax RX Printer	CTL*	[0 or 1 / **0** / 1 / step]
5-836-014	Capture Setting: Fax TX	CTL*	[0 or 1 / **0** / 1 / step]
5-836-015	Capture Setting: Printer	CTL*	[0 or 1 / **0** / 1 / step]

5-836-016	Capture Setting: Scanner	CTL*	[0 or 1 / **0** / 1 / step]
5-836-017	Capture Setting: SDK	CTL*	[0 or 1 / **0** / 1 / step]
5-836-061	Captured File Resend (0:Off 1:On)	CTL*	[0 or 1 / **1** / 1 / step]
5-836-072	Reduction for Copy B&W Text	CTL*	[0 to 6 / **0** / 1 / step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
5-836-073	Reduction for Copy B&W Other	CTL*	[0 to 6 / **0** / 1 / step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
5-836-075	Reduction for Printer B&W	CTL*	[0 to 6 / **0** / 1 / step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
5-836-082	Format for Copy B&W Text	CTL*	[0 to 3 / **1** / 1 / step] 0: JFIF/JPEG 1: TIFF/MMR 2: TIFF/MH 3: TIFF/MR
5-836-083	Format for Copy B&W Other	CTL*	[0 to 3 / **1** / 1 / step] 0: JFIF/JPEG 1: TIFF/MMR 2: TIFF/MH 3: TIFF/MR
5-836-085	Format for Printer B&W	CTL*	[0 to 3 / **1** / 1 / step] 0: JFIF/JPEG 1: TIFF/MMR 2: TIFF/MH 3: TIFF/MR
5-836-091	Default for JPEG	CTL*	[5 to 95 / **50** / 1 / step]
5-836-101	Primary srv IP address	CTL*	[0 to 0xffffffff / **0x00** / 0 / step]
5-836-102	Primary srv scheme	CTL*	[0 to 0 / **0** / 0 / step]
5-836-103	Primary srv port number	CTL*	[1 to 65535 / **80** / 1/step]

5-836-104	Primary srv URL path	CTL*	[0 to 0 / **0** / 0 / step]
5-836-111	Secondary srv IP address	CTL*	[0 to 0xffffffff / **0x00** / 0 / step]
5-836-112	Secondary srv scheme	CTL*	[0 to 0 / **0** / 0 / step]
5-836-113	Secondary srv port number	CTL*	[1 to 65535 / **80** / 1 / step]
5-836-114	Secondary srv URL path	CTL*	[0 to 0 / **0** / 0 / step]
5-836-120	Default Reso Rate Switch	CTL*	[0 or 1 / **0** / 1 / step]
5-836-122	Reso: Copy(Mono)	CTL*	[0 to 255 / **3** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-124	Reso: Print(Mono)	CTL*	[0 to 255 / **3** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-125	Reso: Fax(Color)	CTL*	[0 to 255 / **4** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-126	Reso: Fax(Mono)	CTL*	[0 to 255 / **3** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi

5-836-127	Reso: Scan(Color)	CTL*	[0 to 255 / **4** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-128	Reso: Scan(Mono)	CTL*	[0 to 255 / **3** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-129	Reso: SDK(Color)	CTL*	[0 to 255 / **4** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-130	Reso: SDK(Mono)	CTL*	[0 to 255 / **3** / 1 / step] 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi
5-836-141	All Addr Info Switch	CTL*	[0 or 1 / **1** / 1 / step]
5-836-142	Stand-by Doc Max Number	CTL*	[10 to 10000 / **2000** / 1 / step]
5-836-143	ClearLightPDF Switch	CTL*	[0 or 1 / **0** / 1 / step] 0: Disable, 1: Enable

5840	**[IEEE 802.11]**		
5-840-006	Channel MAX	CTL*	[1 to 14 / **14** / 1 / step] Europe/Asia: 1 to 13 NA/ Asia: 1 to 11
	DFU		
5-840-007	Channel MIN	CTL*	[1 to 14 / **1** / 1 / step] Europe/Asia: 1 to 13 NA/ Asia: 1 to 11

	DFU		
5-840-011	WEP Key Select	CTL*	[0x00 to 0x11 / **0x00** / 1 / step] 00: Key #1 01: Key #2 (Reserved) 10: Key #3 (Reserved) 11: Key #4 (Reserved)
5-840-045	WPA Debug Lvl	CTL*	[1 to 3 / **3** / 1 / step] 1: Info 2: wArning 3: error
5-840-046	11w	CTL*	[0 to 2 / **0** / 1 / step]
5-840-047	PSK Set Type	CTL*	[0 or 1 / **0** / 1 / step]

5842	**[GWWS Analysis]**		
5-842-001	Setting 1	CTL*	[0x00 to 0xFF / **0** / 1 / step] 0bit[LSB]: system, other group 1bit: capture related group 2bit: authentication related group 3bit: address book related group 4bit: device management related group 5bit: output related(print, FAX, and delivery) group 6bit: repository, F0,etc. document related group 7bit: debug log level suppression
5-842-002	Setting 2	CTL*	[0x00 to 0xFF / **0** / 1 / step] 0~6bit: unused 7bit: time stamp setting for 5682mmesg log. (1: min./sec/msec, 0: day/hour/min./sec)

5846	**[UCS Setting]**		
5-846-001	Machine ID (for Delivery Server)	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-846-002	Machine ID Clear (for Delivery Server)	CTL*	[0 to 0 / **0** / 1 / step] (MP 501/601 only)
5-846-003	Maximum Entries	CTL*	[2000 to 20000 / **2000** / 1 / step] (MP 501/601 only)
5-846-006	Delivery Server Retry Timer	CTL*	[0 to 255 / **0** / 1 / step] (MP 501/601 only)
5-846-007	Delivery Server Retry Times	CTL*	[0 to 255 / **0** / 1 / step] (MP 501/601 only)

5-846-008	Delivery Server Maximum Entries	CTL*	[2000 to 20000 / **2000** / 1 / step] (MP 501/601 only)
5-846-010	LDAP Search Timeout	CTL*	[1 to 255 / **60** / 1 / step]
5-846-020	WSD Maximum Entries	CTL*	[50 to 250 / **250** / 1 / step] (MP 501/601 only)
5-846-021	Folder Auth Change	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: Login User, 1: Destination
5-846-040	Addr Book Migration(USB->HDD)	CTL	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-846-041	Fill Addr Acl Info	CTL	[0 to 0 / **0** / 0 / step]
5-846-043	Addr Book Media	CTL*	[0 to 30 / **0** / 1 / step] 0: Unconfirmed 1: SD Slot 1 2: SD Slot 2 3: SD Slot 3 4: USB Flash ROM 10: SD Slot 10 20: HDD 30: Nothing
5-846-047	Initialize Local Addr Book	CTL	[0 to 0 / **0** / 0 / step]
5-846-048	Initialize Delivery Addr Book	CTL	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-846-049	Initialize LDAP Addr Book	CTL	[0 to 0 / **0** / 0 / step]
5-846-050	Initialize All Addr Book	CTL	[0 to 0 / **0** / 0 / step]
5-846-051	Backup All Addr Book	CTL	[0 to 0 / **0** / 0 / step]
5-846-052	Restore All Addr Book	CTL	[0 to 0 / **0** / 0 / step]
5-846-053	Clear Backup Info	CTL	[0 to 0 / **0** / 0 / step]
5-846-060	Search option	CTL*	[0x00 to 0xff / **0x0f** / 1 / step] Bit 0: Checks both upper/lower case characters Bit 1: Japan Only Bit 2: Japan Only Bit 3: Japan Only Bit 4 to 7: Not Used
5-846-062	Complexity option 1	CTL*	[0 to 32 / **0** / 1 / step]
5-846-063	Complexity option 2	CTL*	[0 to 32 / **0** / 1 / step]
5-846-064	Complexity option 3	CTL*	[0 to 32 / **0** / 1 / step]
5-846-065	Complexity option 4	CTL*	[0 to 32 / **0** / 1 / step]

5-846-091	FTP Auth Port Setting	CTL*	[0 to 65535 / **3671** / 1 / step] (MP 501/601 only)
5-846-094	Encryption Stat	CTL*	[0 to 255 / **0** / 0 / step]

5847 (MP 501/601 only)	**[Rep Resolution Reduction]**		
5-847-002	Rate for Copy B&W Text	CTL*	[0 to 6 / **0** / 1 / step] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-003	Rate for Copy B&W Other	CTL*	[0 to 6 / **0** / 1 / step] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-005	Rate for Printer B&W	CTL*	[0 to 6 / **0** / 1 / step] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-007	Rate for Printer B&W 1200dpi	CTL*	[0 to 6 / **1** / 1 / step] 0: 1x 1: 1/2x 2: 1/3x 3: 1/4x 4: 1/6x 5: 1/8x 6: 2/3x
5-847-021	Network Quality Default for JPEG	CTL*	[5 to 95 / **50** / 1 / step]

5848	**[Web Service]**

5-848-002	Access Ctrl: Repository(onlyLower4bits)	CTL*	[0x00 to 0xFF / **0x02** / 0 / step] (MP 501/601 only) 0000: No access control 0001: Denies access to DeskTop Binder. 0010: No writing control
5-848-003	Access Ctrl: Doc.Svr.Print (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] (MP 501/601 only) 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-004	Access Ctrl: udirectory (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-007	Access Ctrl: Comm. Log Fax(Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] (MP 501/601 only) 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-009	Access Ctrl: Job Ctrl (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-011	Access Ctrl: Devicemanagement(Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-021	Access Ctrl: Delivery (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] (MP 501/601 only) 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-022	Access Ctrl: uadministration (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-024	Access Ctrl: Log Service (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0000: No access control 0001: Denies access to DeskTop Binder.
5-848-025	Access Ctrl: Rest WebService (Lower 4bits)	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0000: No access control 0001: Denies access to DeskTop Binder.

5-848-099	Repository: Download Image Setting	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] (MP 501/601 only)
5-848-100	Repository: Download Image Max. Size	CTL*	[1 to 2048 / **2048** / 0 / step] (MP 501/601 only)
5-848-150	Log Operation Mode	CTL*	[0 to 9 / **0** / 1 / step]

5856	**[Remote ROM Update]**		
5-856-002	Local Port	CTL	[0 or 1 / **0** / 1 / step] 0: Disable, 1: Enable

5860	**[SMTP/POP3/IMAP4]**		
5-860-002	SMTP Srvr Port No	CTL*	[1 to 65535 / **25** / 1 / step] (SP 5300/5310 only)
5-860-003	SMTP Authentication	CTL*	[0 or 1 / **0** / 1 / step] (SP 5300/5310 only)
5-860-006	SMTP Auth. Encryption	CTL*	[0 to 2 / **0** / 1 / step] (SP 5300/5310 only)
5-860-007	POP before SMTP	CTL*	[0 or 1 / **0** / 1 / step] (SP 5300/5310 only)
5-860-008	POPtoSMTP Waiting Time	CTL*	[0 to 10000 / **300** / 1ms / step] (SP 5300/5310 only)
5-860-009	Mail Receive Protocol	CTL*	[1 to 3 / **1** / 1 / step] (SP 5300/5310 only)
5-860-013	POP3/IMAP4 Auth. Encryption	CTL*	[0 to 2 / **0** / 1 / step] (SP 5300/5310 only)
5-860-014	POP3 Srvr Port No	CTL*	[1 to 65535 / **110** / 1 / step] (SP 5300/5310 only)
5-860-015	IMAP4 Srvr Port No	CTL*	[1 to 65535 / **143** / 1 / step] (SP 5300/5310 only)
5-860-016	SMTP Rx Port No	CTL*	[1 to 65535 / **25** / 1 / step] (SP 5300/5310 only)
5-860-017	Mail Rx Interval	CTL*	[2 to 1440 / **3** / 1min / step] (SP 5300/5310 only)
5-860-019	Mail Keep Setting	CTL*	[0 to 2 / **0** / 1 / step] (SP 5300/5310 only)
5-860-020	Partial Mail Receive Timeout	CTL*	[1 to 168 / **72** / 1 hour / step]

5-860-021	MDN Response RFC2298 Compliance	CTL*	[0 or 1 / **1** / 1 / step] 0: No, 1: Yes
5-860-022	SMTP Auth. From Field Replacement	CTL*	[0 or 1 / **0** / 1 / step] 0: No. "From" item not switched. 1: Yes. "From item switched.
5-860-025	SMTP Auth. Direct Setting	CTL*	[0 to 0xff / **0x0** / 8 / step] Bit 0: LOGIN Bit 1: PLAIN Bit 2: CRAM MD5 Bit 3: DIGEST MD5 Bit 4 to 7: Not used
5-860-026	S/MIME:MIME Header Setting	CTL*	[0 to 2 / **0** / 1 / step] 0: Microsoft Outlook Express standard 1: Internet Draft standard 2: RFC standard
5-860-028	S/MIME: Authentication Check	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: No (not check), 1: Yes (check)

5866	**[E-Mail Report]**		
5-866-001	Report Validity	CTL	[0 or 1 / **0** / 1 / step] (SP 5300/5310 only) 0: Enabled, 1: Disabled
5-866-005	Add Date Field	CTL*	[0 or 1 / **0** / 1 / step] (SP 5300/5310 only) 0: Enabled, 1: Disabled
5-866-110	CounterE-Mail:Validity	CTL*	[0 or 1 / **0** / 1 / step] (MP 501/601 only) 0: Enabled, 1: Disabled
5-866-111	CounterE-Mail:Destination Registration	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-866-112	CounterE-Mail:Send Test	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-866-113	CounterE-Mail:Next Send Date	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-866-114	CounterE-Mail:Send Date Setting	CTL*	[0 to 31 / **0** / 1 / step] (MP 501/601 only)
5-866-115	CounterE-Mail:Send Time Setting	CTL*	[0 to 2359 / **0** / 1 / step] (MP 501/601 only)
5-866-121	CounterE-Mail:Destination1	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)

5-866-122	CounterE-Mail:Destination2	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)
5-866-123	CounterE-Mail:Destination3	CTL*	[0 to 0 / **0** / 0 / step] (MP 501/601 only)

5869 (SP 5300/5310 only)	**[RAM Disk Setting]**		
5-869-001	Mail Function	CTL*	[0 or 1 / **0** / 1 / step] 0: ON, 1: OFF

5875	**[SC Auto Reboot]**		
5-875-001	Reboot Setting	CTL*	[0 or 1 / **0** / 1 / step] 0: ON, 1: OFF
5-875-002	Reboot Type	CTL*	[0 or 1 / **1** / 1 / step] 0: Manual reboot 1: Automatic reboot

5885 (MP 501/601 only)	**[Set WIM Function]**		
5-885-020	DocSvr Acc Ctrl	CTL*	[0x00 to 0xFF / **0x00** / 0 / step] 0: OFF 1: ON Bit 0: Forbid all document server access (1) Bit 1: Forbid user mode access (1) Bit 2: Forbid print function (1) Bit 3: Forbid fax TX (1) Bit 4: Forbid scan sending (1) Bit 5: Forbid downloading (1) Bit 6: Forbid delete (1) Bit 7: Reserved
5-885-050	DocSvr Format	CTL*	[0 to 2 / **0** / 1 / step] 0: Thumbnail, 1: Icon, 2: Details
5-885-051	DocSvr Trans	CTL*	[5 to 20 / **10** / 1 / step]
5-885-100	Set Signature	CTL*	[0 to 2 / **0** / 1 / step] 0: Setting for each e-mail 1: Signature for all 2: No signature

5-885-101	Set Encrypsion	CTL*	[0 or 1 / **0** / 1 / step] 0: Not encrypted 1: Encryption
5-885-200	Detect Mem Leak	CTL*	[0x00 to 0xFF / **0x00** / 0 / step]

5888	**[Personal Information Protect]**		
5-888-001	-	CTL*	[0 or 1 / **0** / 1 / step] 0: No authentication, No protection for logs 1: No authentication, Protected logs (only an administrator can see the logs)

5967 (MP 501/601 only)	**[Copy Server : Set Function]**		
5-967-001	(0:ON 1:OFF)	CTL*	[0 or 1 / **0** / 1 / step] 0: ON, 1: OFF

5985 (MP 501/601 only)	**[Device Setting]**		
5-985-001	On Board NIC	CTL	[0 to 2 / **0** / 1 / step] 0: Disable 1: Enable 2: Function limitation
5-985-002	On Board USB	CTL	[0 or 1 / **0** / 1 / step] 0: Disable, 1: Enable

Model: Brz-MF1	Date: 6-Mar-18	No.: RD255059

Subject: FSM correction: SC871 description added	Prepared by: T. Tachibana
From: 2nd 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

Description of SC871 was added to the following section of the field service manual:

6. Troubleshooting > Service Call 816-899 > SC800 (Controller) (p.560)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
871-00	D	FCU error
		An error occurred when FCS detects FCU defective.
		• Time-out error • Abnormal Parameter
		1. Turn the main power OFF/ON. 2. Update the firmware if more recent firmware was released.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
871-01	B	FCU Flash ROM Error
		The address book written into the flash ROM mounted on the FCU is detected as defective.
		• Flash ROM device defective
		1. Replace the FCU.

Model: Brz-MF1	Date: 16-Jan-18	No.: RD255054

Subject: CC-CERTIFIED IN 2017 Machine			Prepared by: T.Suzuki
From: Technical Support Sect, Product Marketing Dept			
Classification:	☐ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☒ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

This RTB describes the requirements for installing models in the MP 501/601 series as a CC-CERTIFIED MACHINES compliant with IEEE Std 2600.2™-2009

Do the following eleven steps if you want to install the MP 501/601 series models as a CC-CERTIFIED MACHINE compliant with IEEE Std 2600.2™-2009.

Note: Machines in production are CC-certified beginning in December 2017.

Important: If you perform with accessing SP mode, the machine become the different condition as when CC certification was attained.

1. Make sure the customer has received the English language Operating Instructions (O/I) shown in the page 9-12.

   Important:

   - For installations in the EU market, make sure this is the Ricoh-genuine O/I.
   - To ensure that the O/Is are Ricoh-genuine, make sure that the part numbers match those listed in the table on page 9. Also make sure that the contents are Ricoh-genuine and there is no suspicious point. (The P/N are normally printed on the back cover).
   - Tell the customer that those manuals evaluated for CC certification are the manuals listed in The list of Operating Instructions (O/I).
   - Tell the customer to see the Online Document Set 1 from the following URL: https://support.ricoh.com/services/device/ccmanual/MP501/en/booklist/int/index_book.htm
   - Tell the customer to see the Online Document Set 2 from the following URL:
     ※NA
     https://support.ricoh.com/services/device/ccmanual/MP501/en/pdf/ReadThisFirst_1.html
     ※EU
     https://support.ricoh.com/services/device/ccmanual/MP501/en/pdf/ReadThisFirst_2.html
     ※AA
     https://support.ricoh.com/services/device/ccmanual/MP501/en/pdf/ReadThisFirst_3.html
   - Tell the customer to see the Online Document Set 3 from the following URL: https://support.ricoh.com/services/device/ccmanual/MP501/en/pdf/User.html
   - Tell the customer to see the Online Document Set 4 from the following URL: https://support.ricoh.com/services/device/ccmanual/MP501/en/pdf/DriverInstall.html
   - Tell the customer to see the Online Document Set 5 from the following URL: https://support.ricoh.com/services/device/ccmanual/MP501/en/pdf/Oss.html

- Tell the customer to download the Online Document Set 6 (the information about the authentication based on the CC certification system) from the following URL:
  https://support-download.com/services/device/ccmanual/mp_501_601/en/download_admin.html
  https://support-download.com/services/device/ccmanual/mp_501_601/en/download_user.html

2. Tell the customer to read the “Notes for Administrators: Using This Machine in a Network Environment Compliant with IEEE Std 2600.2™-2009”.

See the following pages for Step 3 to Step 11.

3. Confirm that no suspicious parts or devices are attached to the peripheral.
By comparing the peripheral and the images in "2. Installation" and "Internal Options" in "MP 501/601 SP 5300/5310 Machine Code: D255/D256/M281/M282 Field Service Manual", confirm that no suspicious parts or devices are attached to the USB, LAN, and SD Card Slot of the peripheral.

By comparing the ADF and the images in "4. Replacement and Adjustment" and "ADF" in "MP 501/601 SP 5300/5310 Machine Code: D255/D256/M281/M282 Field Service Manual", confirm that no suspicious parts or devices are attached to the ADF cable.

4. Install Fax Connection Unit Type M24.
By comparing the fax unit and the images in "1. Installation", "Fax Connection Unit Type M24 (D3CP-05, 06, 07)", and "Accessory Check" in "Fax Unit MP 501/601 Machine Code: D255/D256 Field Service Manual", confirm that no suspicious parts or devices are attached to the fax unit.

Install Fax Connection Unit Type M24.
For the detailed installation procedure, see " Fax Connection Unit Type M24 (D3CP-05, 06, 07)" in "1. Installation",.Fax Unit MP 501/601 Machine Code: D255/D256 Field Service Manual

5. Hide Administrator Password Change Screen
If the “Program/Change Administrator” screen is displayed at startup, execute SP5-755-002 (Hide Administrator Password Change Scrn).

6. Setting "Smart Operation Panel mode" to "Secure boot"
In the SP5-748-101 (Op Type Action Setting), set "bit2: Smart Operation Panel mode" to "1".

7. Setting "Web Service Access Ctrl:Rest WebService (Lower 4bits)" to "on"
In the SP5-848-025 (Web Service Access Ctrl:Rest WebService (Lower 4bits)), set bit0 to "1".

8. Setting "On Board USB" to "0"
In the SP5-985-002 (On Board USB), set "On Board USB" to "0".

9. Setting "Auto Update Setting" to "0"
In the SP5-886-111 (Auto Update Setting), set "Auto Update Setting" to "0".

10. Enabling the Encryption Settings
Enable the encryption settings described in service manual, and execute [Format All Data].
Hand the customer the printout of the encryption key that is printed when enabling the encryption settings.

11. Check firmware versions.

If the customer requests exactly the same condition as when CC certification was attained, install the versions shown in the table below. If not, make sure that firmware versions of the machine are the same as or later than the ones in the table.

- If the customer wants to install the machine in the same condition as when CC Certification was first attained, install the exact versions shown in the table below.
- If the customer wants to install the machine as an equivalent of the condition as when CC certification was first attained, install the versions shown in the table below or later.

If you are not sure which of these the customer prefers, confirm this with your Sales department.

Firmware versions with which the MP 501/601 series models first achieved CC-CERTIFICATION:

Firmware Name:	Version:	Firmware Number:
System/Copy	1.06	D2555770G
Network Support	15.60	D2555753E
Fax	04.00.00	D2555776E
RemoteFax	03.00.00	D2555777D
Scanner	01.02	D2555779D
Web Support	1.03	D2555750E
Web Uapl	1.02	D2555751D
NetworkDocBox	1.01	D2555754C
animation	1.01	D2555752C
Printer	1.06	D2555756G
RPCS	3.18.32	D2555758A
Font EXP	1.00	D2415581
PCL	1.04	D2555759D
PCL Font	1.09	D2415586
PS3	1.00	D2555763A
PDF	1.02	D2555762C
PS3 Font	1.17	D2415681
Java VM v12 std	12.49.00	D2555773F
Data Erase Onb *	1.05	D2625244
GWFCU3.8-8(WW)	02.00.00	D2555778B
PowerSaving Sys	F.L3.06	D2555775A
M2a_System	1.23	D2411425
M2a_BLEPlugin	2.12.00	D2411466
M2a_BluetoothSe	1.02	D2411465C
M2a_cspf	2.02.00	D1961430B
M2a_HelpService	1.00	D2411471
M2a_ICCdDisptch	2.12.05	D2411450B
M2a_iWnn	2.3.3	D1961403
M2a_iWnn_Hang	1.0.0	D1961406
M2a_iWnn_Hans	1.0.0	D1961404
M2a_iWnn_Hant	1.0.0	D1961405
M2a_LegacyUI	1.16	D2411427S
M2a_MeidaPrtScn	1.17	D2411447Q
M2a_NFCPlugin	2.12.00	D2411452
M2a_PrinterInfo	1.12	D2411458N
M2a_PrinterSJob	1.72	D2411446N
M2a_ProgramInfo	1.18	D2411438D
M2a_QRCode_SDC	2.1.2	D2411453F
M2a_QuickCdAuth	2.12.04	D2411468A
M2a_RemAssist	1.0.5	D2411470A
M2a_RemSptSvc	1.0.1	D1961459A
M2a_SimpleCopy	1.18	D2411443Q
M2a_SimpleFAX	1.13	D2411445N

Firmware Name:	Version:	Firmware Number:
M2a_SimpleScan	1.14	D2411444Q
M2a_SmartCopy	1.22.1	D2411454T
M2a_SmartFAX	1.19.1	D2411457Q
M2a_SmartScan	1.14.1	D2411456Q
M2a_USBCdPlugin	2.12.00	D2411459
M2a_WEcoInfo	1.06	D2411437F
M2a_WFaxInfo	1.02	D2411435D
M2a_WLanguage	1.06	D2411431H
M2a_WStopKey	1.01	D2411436B
M2a_WTonner	1.05	D2411434G
M2a_zoo	1.04.05	D2411467H
Engine	01.05:01	D2555830A
Engine(IPU)	1.04:04	D2555810C

* If the Data Erase Onb version is not the same as shown in the table, contact your supervisor. (This version is never upgraded).

Ic Key and Ic Ctlr versions with which the MP 501/601 series models first achieved CC-CERTIFICATION:

Hardware:	Version:
Ic Ctlr	03
Ic Key	01020d0c

If the Ic Key and Ic Ctlr versions are not the same as shown in the table, contact your supervisor. (This version is never upgraded).
These versions can be confirmed from the operation panel.

MultiLink-Panel

Firmware Name:	Version:	Firmware Number:
Firmware	1.23	D2411425
Keymicon	6.12	D2411423A
Application Site	1.04.05	D2411467H
Bluetooth Authentication Plugin	2.12.00	D2411466
BluetoothService	1.02	D2411465C
Change Langs. Widget	1.06	D2411431H
Copy	1.22.1	D2411454T
CSPF	2.02.00	D1961430B
Eco-friendly Widget	1.06	D2411437F
Fax	1.19.1	D2411457Q
Fax RX File Widget	1.02	D2411435D
ICCardDispatcher	2.12.05	D2411450B
iWnn IME	2.3.3	D1961403
iWnn IME Chinese(Simplified) Pack	1.0.0	D1961404
iWnn IME Chinese(Traditional) Pack	1.0.0	D1961405
iWnn IME Korean Pack	1.0.0	D1961406
LegacyUI type-1	1.16	D2411427S
LegacyUIData	1.01	D0AD5564A
Print/Scan(Memory Storage Device)	1.17	D2411447Q
Printer	1.12	D2411458N
ProgramInfoService	1.18	D2411438D
Proximity Card Reader Support Plugin	2.12.00	D2411459
Quick Card Authentication Config.	2.12.04	D2411468A
Quick Copy	1.18	D2411443Q
Quick Fax	1.13	D2411445N
Quick Print Release	1.72	D2411446N
Quick Scanner	1.14	D2411444Q
RemoteConnect Support	1.0.5	D2411470A
RemoteSupportService	1.0.1	D1961459A
Scanner	1.14.1	D2411456Q
Smart Device Connector	2.1.2	D2411453F
Standard IC Card Plugin	2.12.00	D2411452
Stop Widget	1.01	D2411436B
Supply Info Widget	1.05	D2411434G
Support Setting	1.00	D2411471

The list of Operating Instructions (O/I)
<For North America>
Paper Documents

- D256-7808 Quick Installation Guide MP 501SPF/601SPF
- D256-7813 Initial Guide for FAX MP 501SPF/601SPF
- D256-7816 Start Guide
- D256-7818 For Users of This Product
- D256-7819 Notes for Using This Machine Safely
- D256-8999 Note to users
- D256-7840 SOFTWARE LICENSE AGREEMENT
- D256-7845 Notes for Users

Online Document Set 1

- D256-7714 About This Machine
- D256-7702 Copy/ Document Server
- D256-7703 Fax
- D256-7704 Print
- D256-7705 Scan
- D256-7706 Troubleshooting
- D256-7707 Connecting the Machine/ System Settings
- D256-7708 PostScript 3
- D256-7709 Security Guide
- D256-7715 Extended Feature Settings

Online Document Set 2

- D256-7848 Read This First

Online Document Set 3

- D256-7710 User Guide

Online Document Set 4

- D256-7711 Operating Instructions
  Driver Installation Guide

Online Document Set 5

- D256-7712 About Open Source Software License

Online Document Set 6

- D146-7587 Notes on Security Functions
- D256-7847 Notes for Administrators:
  Using This Machine in a Network Environment
  Compliant with IEEE Std 2600.2™-2009

<For GSA*>

*GSA: General Services Administration.
Paper Documents

- D256-7808 Quick Installation Guide MP 501SPF/601SPF
- D256-7813 Initial Guide for FAX MP 501SPF/601SPF
- D256-7816 Start Guide
- D256-7818 For Users of This Product
- D256-7819 Notes for Using This Machine Safely
- D256-8999 Note to users
- D256-7720 For Users of MP 501SPFG/MP 601SPFG
- D256-7845 Notes for Users

Online Document Set 1

- D256-7714 About This Machine
- D256-7702 Copy/ Document Server
- D256-7703 Fax
- D256-7704 Print
- D256-7705 Scan
- D256-7706 Troubleshooting
- D256-7707 Connecting the Machine/ System Settings
- D256-7708 PostScript 3
- D256-7709 Security Guide
- D256-7715 Extended Feature Settings

Online Document Set 2

- D256-7848 Read This First

Online Document Set 3

- D256-7710 User Guide

Online Document Set 4

- D256-7711 Operating Instructions
  Driver Installation Guide

Online Document Set 5

- D256-7712 About Open Source Software License

Online Document Set 6

- D146-7587 Notes on Security Functions
- D256-7847 Notes for Administrators:
  Using This Machine in a Network Environment
  Compliant with IEEE Std 2600.2™-2009

<For Europe>
Paper Documents

- D259-7521 Start Guide
- D256-7819 Notes for Using This Machine Safely
- D256-8999 Note to users
- D256-7839 Safety Information
- D256-7840 SOFTWARE LICENSE AGREEMENT
- D150-1487A Note to users EU Countries
- D256-7806 Quick Installation Guide MP 501SPF/601SPF
- D256-7812 Initial Guide for FAX MP 501SPF/601SPF
- D256-7843 Notes for Users
- D3BR-4506 For Users of This Product

Online Document Set 1
- D256-7714 About This Machine
- D256-7702 Copy/ Document Server
- D256-7703 Fax
- D256-7704 Print
- D256-7705 Scan
- D256-7706 Troubleshooting
- D256-7707 Connecting the Machine/ System Settings
- D256-7708 PostScript 3
- D256-7709 Security Guide
- D256-7715 Extended Feature Settings

Online Document Set 2
- D256-7849 Read This First

Online Document Set 3
- D256-7710 User Guide

Online Document Set 4
- D256-7711 Operating Instructions
  Driver Installation Guide

Online Document Set 5
- D256-7712 About Open Source Software License

Online Document Set 6
- D146-7587 Notes on Security Functions
- D256-7847 Notes for Administrators:
  Using This Machine in a Network Environment
  Compliant with IEEE Std 2600.2™-2009

<For Asia>
Paper Documents

- D256-7808 Quick Installation Guide MP 501SPF/601SPF
- D256-7813 Initial Guide for FAX MP 501SPF/601SPF
- D256-7816 Start Guide
- D256-7818 For Users of This Product
- D256-7819 Notes for Using This Machine Safely
- D256-8999 Note to users
- D256-7840 SOFTWARE LICENSE AGREEMENT
- D256-7842 Notes for Users
- D256-7846 Notes for Users

Online Document Set 1
- D256-7714 About This Machine
- D256-7702 Copy/ Document Server
- D256-7703 Fax
- D256-7704 Print
- D256-7705 Scan
- D256-7706 Troubleshooting
- D256-7707 Connecting the Machine/ System Settings
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- D256-7712 About Open Source Software License

Online Document Set 6
- D146-7587 Notes on Security Functions
- D256-7847 Notes for Administrators:
  Using This Machine in a Network Environment
  Compliant with IEEE Std 2600.2™-2009

Model: Brz-MF1	Date: 13-Apr-18	No.: RD255060

Subject: Parts Catalog Correction: SPRING ACTUATOR DU	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

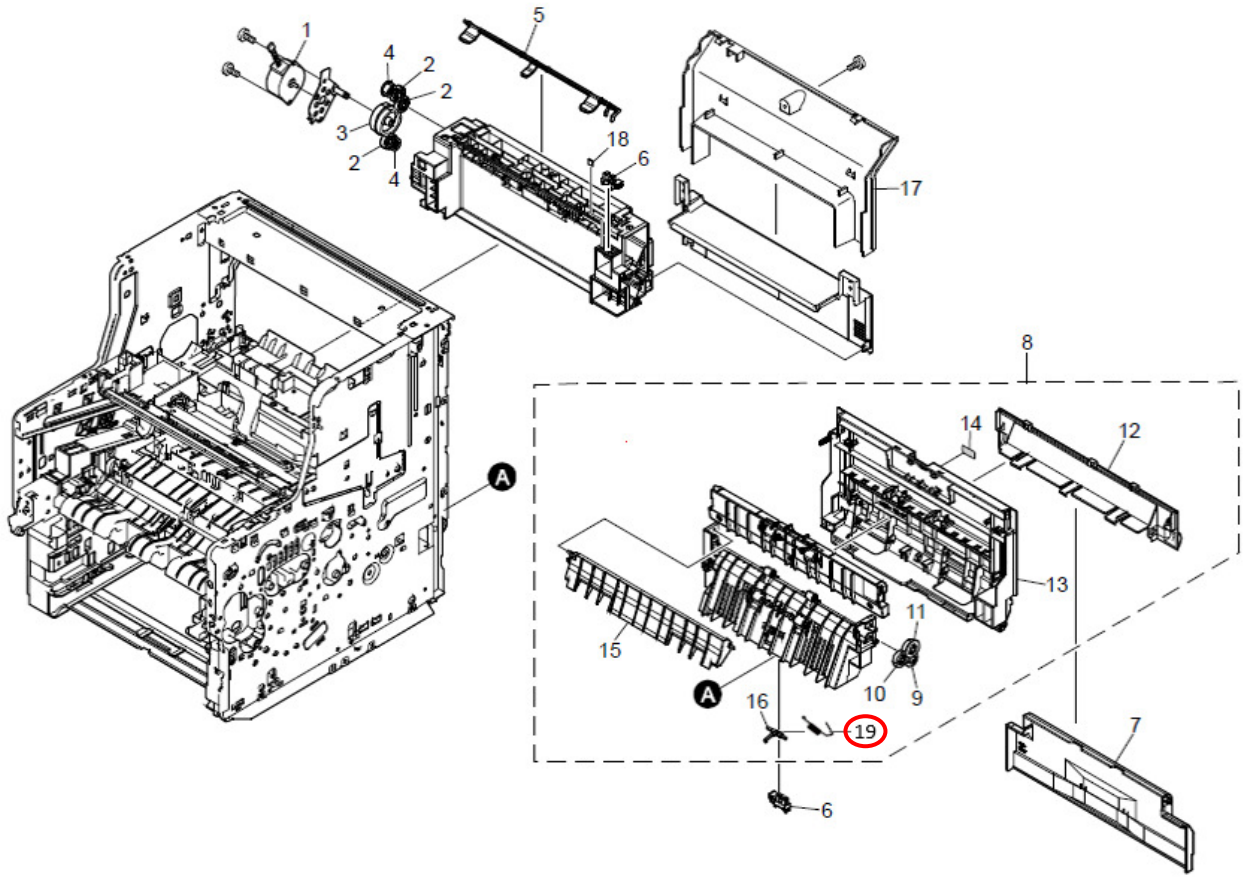
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: A new part has been added.

Reason: To make it possible to replace the spring individually when a duplex jam occurs (Jam code: 86).

Part number	Description	Q'ty	Int	Page	Index	Note
M2814458	SPRING ACTUATOR DU	1		18	19	

8. Exit Section



RICOH **Technical Bulletin** **PAGE: 1/1**

Model: Brz-MF1	Date: 11-May-18	No.: RD255061

Subject: Parts Catalog correction: Duplex clutch	Prepared by: T.Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

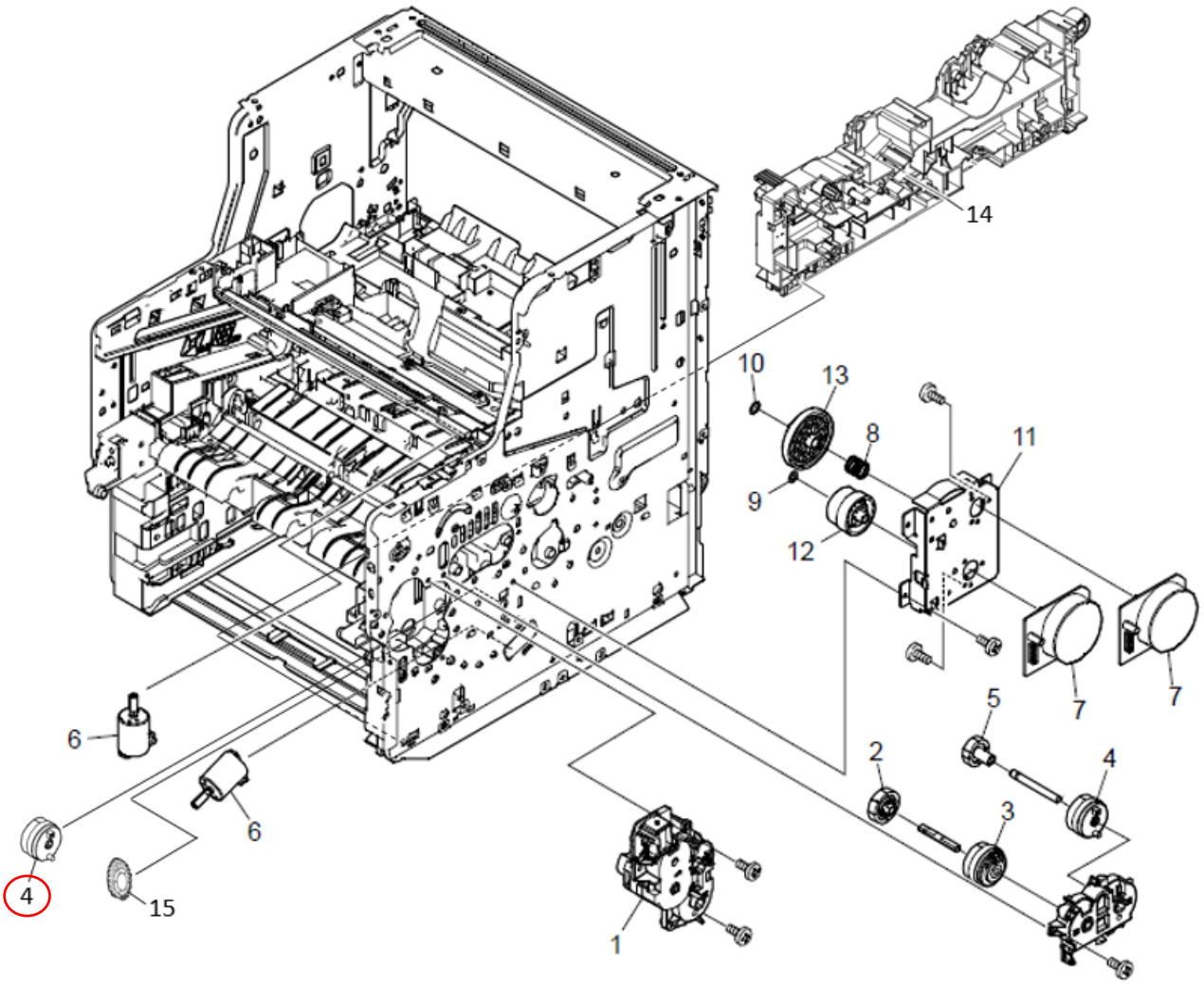
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: The duplex clutch is newly added.

Reason: This part was missing from the parts catalog.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811127	PARTS CLUTCH 20-2W Z35R	1-2	-	22	4	

10. Drive Section



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 2-Jul-18	No.: RD255062

Subject: Parts Catalog Correction: EXIT UNIT	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

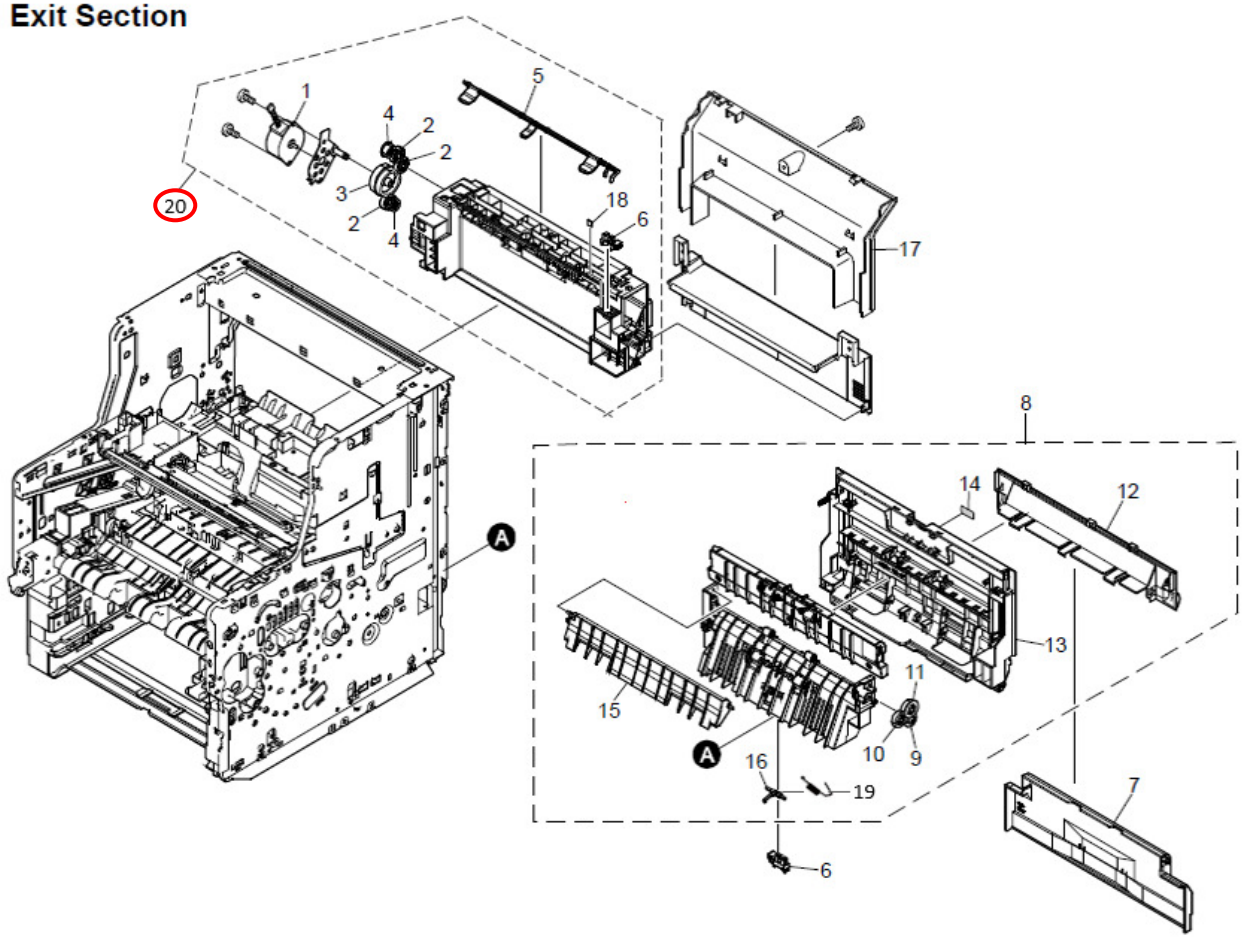
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: A new part has been added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2564457	PARTS EXIT UNIT SP	1		18	20	

8. Exit Section



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 2-Jul-18	No.: RD255062

Subject: Parts Catalog Correction: EXIT UNIT	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

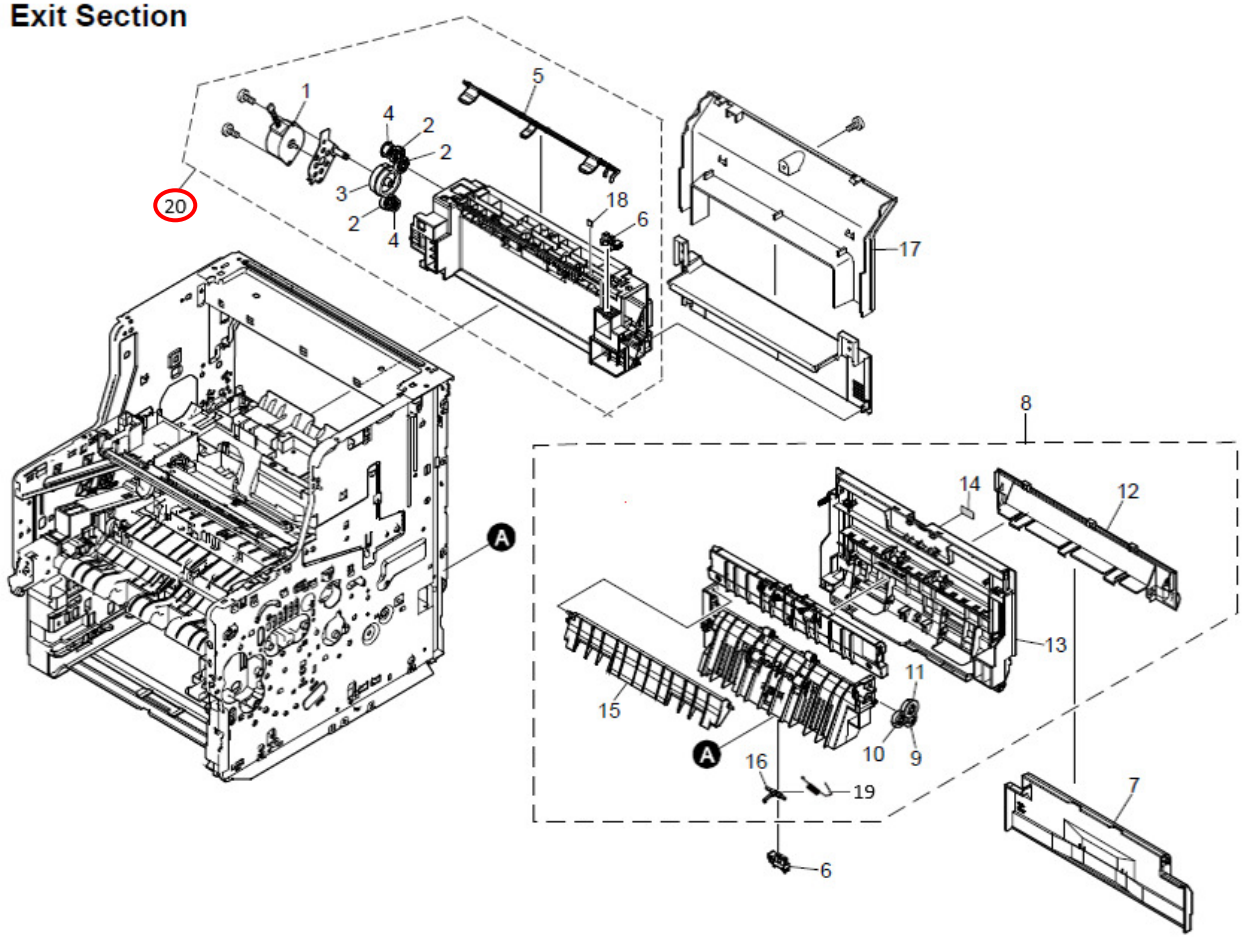
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: A new part has been added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2564457	PARTS EXIT UNIT SP	1		18	20	

8. Exit Section



RICOH

Technical Bulletin

Model: Brz-MF1	Date: 19-Jul-18	No.: RD255063

Subject: Parts Catalog Correction: ARM COUPLING	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

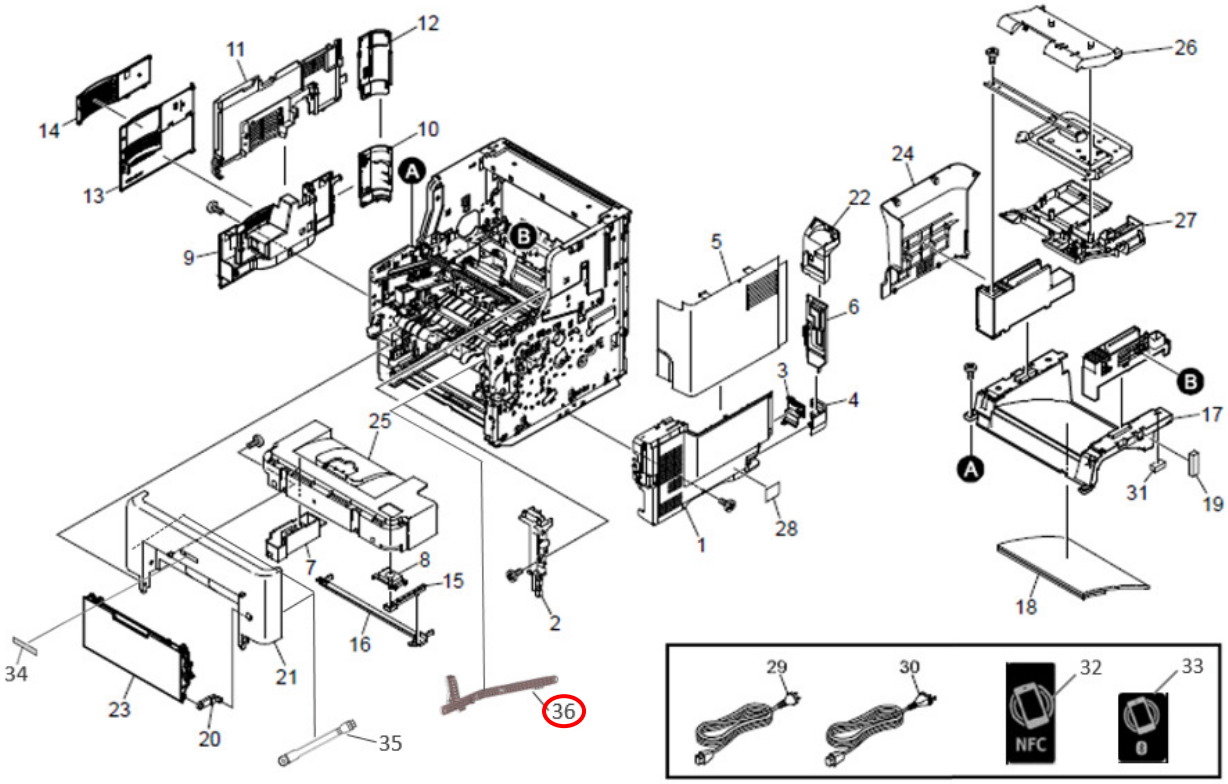
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811139	ARM COUPLING	1		4	36	

1.Covers



Model: Brz-MF1	Date: 23-Aug-18	No.: RD255064

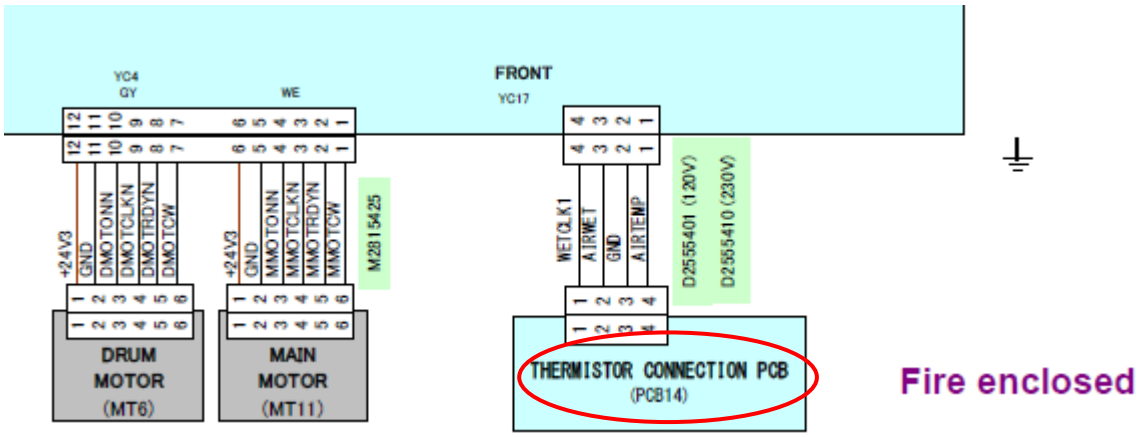
Subject: PtoP Diagram Update: Thermistor Connection PCB (Temperature Sensor)	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

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

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811430	PARTS PWB ASSY THERMISTOR SP (Temperature Sensor)	1		2	PCB14	



Model: Brz-MF1	Date: 29-Aug-18	No.: RD255065

Subject: Parts Catalog Correction: Paper Cassette	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

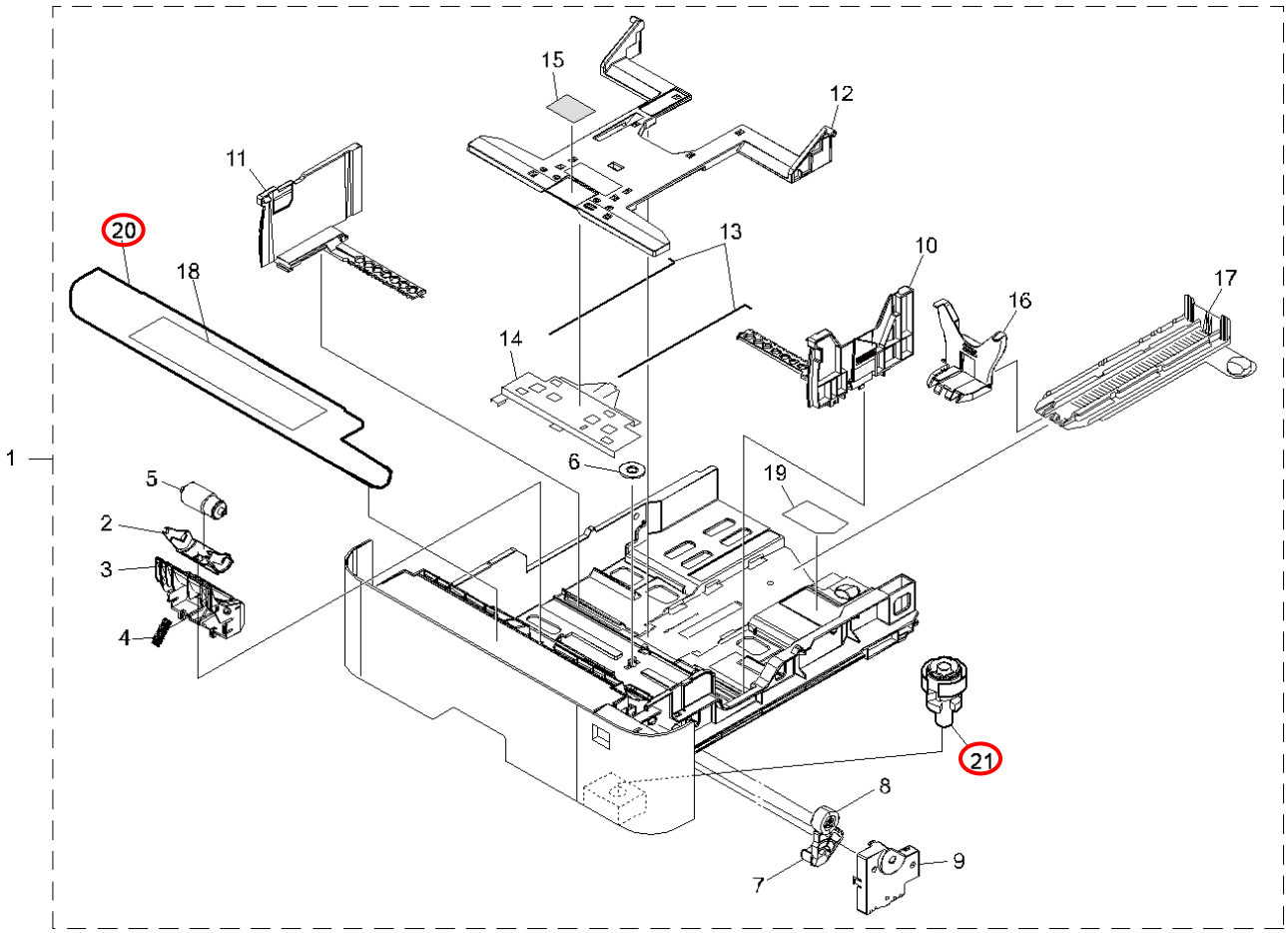
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2812803	COVER CASSETTE	1		8	20	
M2812804	DIAL_CASSETTE	1		8	21	

3. Paper Cassette



Model: Brz-MF1/P1	Date: 4-Sep-18	No.: RD255066

Subject: FSM correction: SC302, SC322	Prepared by: T. Tachibana
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 ☐ Tier 0.5

Service Manual Correction:

Please add the descriptions **in blue** to your field service manual.

6. Troubleshooting > Service Call 303-396 > SC300 (Engine: Imaging 1: Charge, Development) (P.489)

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC302-00 SC303-00	D C	Charger Current Error
		When the charging voltage is applied by changing the voltage in three levels, the current value is less than 20uA in one of three levels.
		▪ Connector defective or disconnected ▪ Power pack defective ▪ IOB defective
		▪ Connector defective or disconnected Reconnect the following connectors. Then perform a conduction inspection. If there is no conduction, replace the connector. ▪ Drum Unit – Power Pack connector ▪ Power Pack – IOB connector ▪ Power pack defective Replace the power pack. ▪ IOB defective Replace the IOB.

Note: SC302 or SC303 might occur under the error conditions listed above.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
SC321-00 SC322-00	C D	Development Unit Non-Installing Error
		The sensor output value is 31 or less continuously for 5 seconds.

SC No.	Type	Error Name/Error Condition/Major Cause/Solution
		▪ Connector defective or disconnected ▪ Toner density sensor defective ▪ Connect-Left PCB defective ▪ IOB defective
		▪ Connector defective or disconnected Reconnect the following connectors. Then perform a conduction inspection. If there is no conduction, replace the connector. ▪ Development Unit – Drum PCB connector ▪ Drum PCB – Drum Connection PCB connector ▪ Drum Connection PCB – Connect-Left PCB connector ▪ Connect-Left PCB – IOB connector ▪ Toner density sensor defective Replace the toner density sensor. ▪ Connect-Left PCB defective Replace the Connect-Left PCB. ▪ IOB defective Replace the IOB.

Note: SC321 or SC322 might occur under the error conditions listed above.

RICOH **Technical Bulletin** **PAGE: 1/1**

Model: Brz-MF1	Date: 5-Nov-18	No.: RD255067

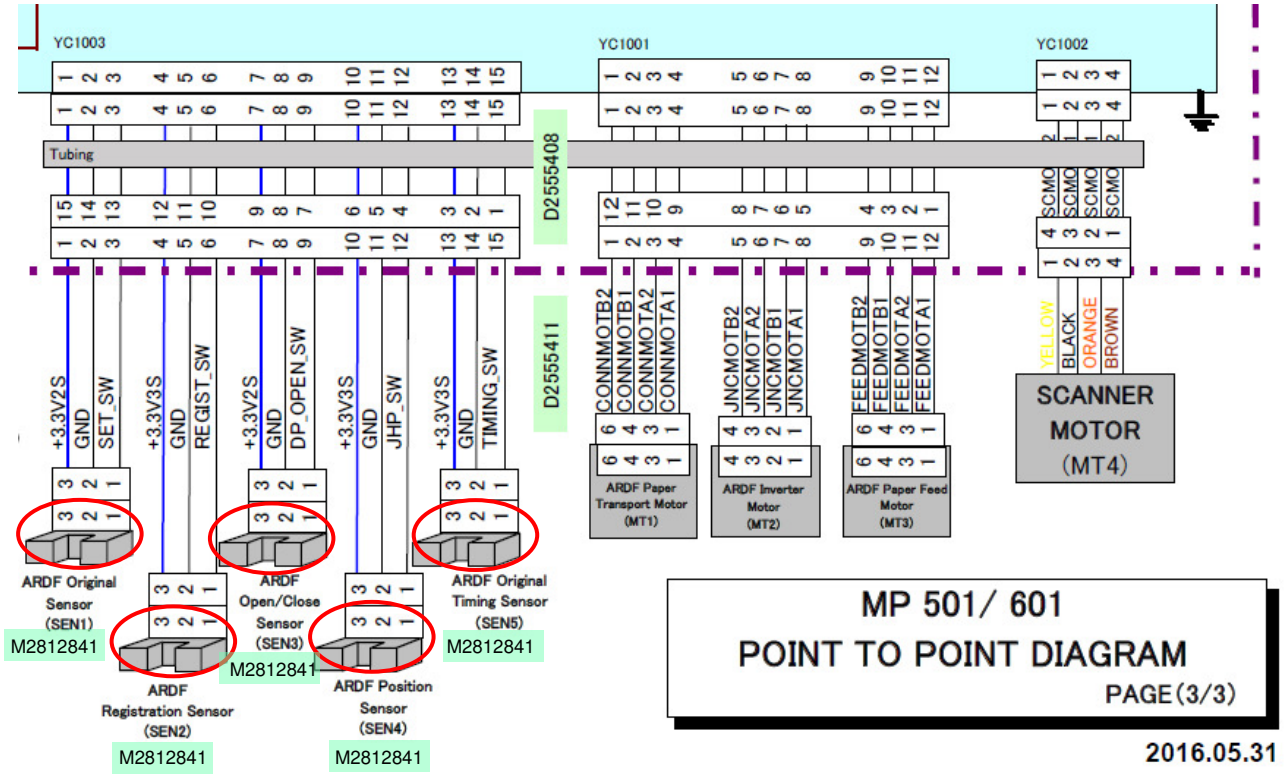
Subject: PtoP Diagram Update: ADF Sensors	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

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

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2812841	PARTS SENSOR OPT SP	1		3/3	SEN1	
		1			SEN2	
		1			SEN3	
		1			SEN4	
		1			SEN5	



Technical Bulletin

Model: Brz-MF1	Date:19-Dec-18	No.: RD255068

Subject: Parts Catalog Correction: GUIDE TURN MPF	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

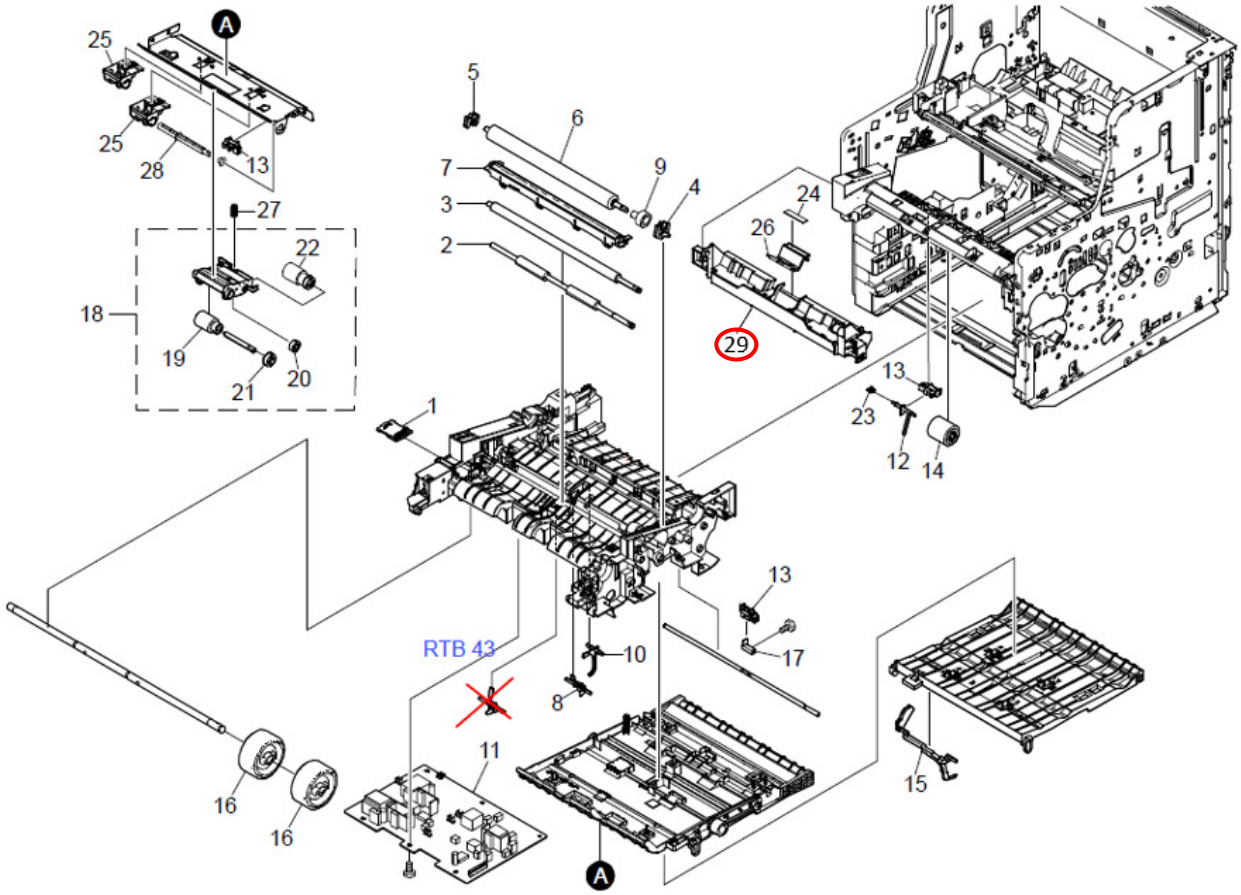
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2552851	GUIDE TURN MPF A	1		10	29	

4. Paper Feed Section



Technical Bulletin

Model: Brz-MF1	Date: 19-Dec-18	No.: RD255069

Subject: Parts Catalog Correction: GUIDE CASSETTE L	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

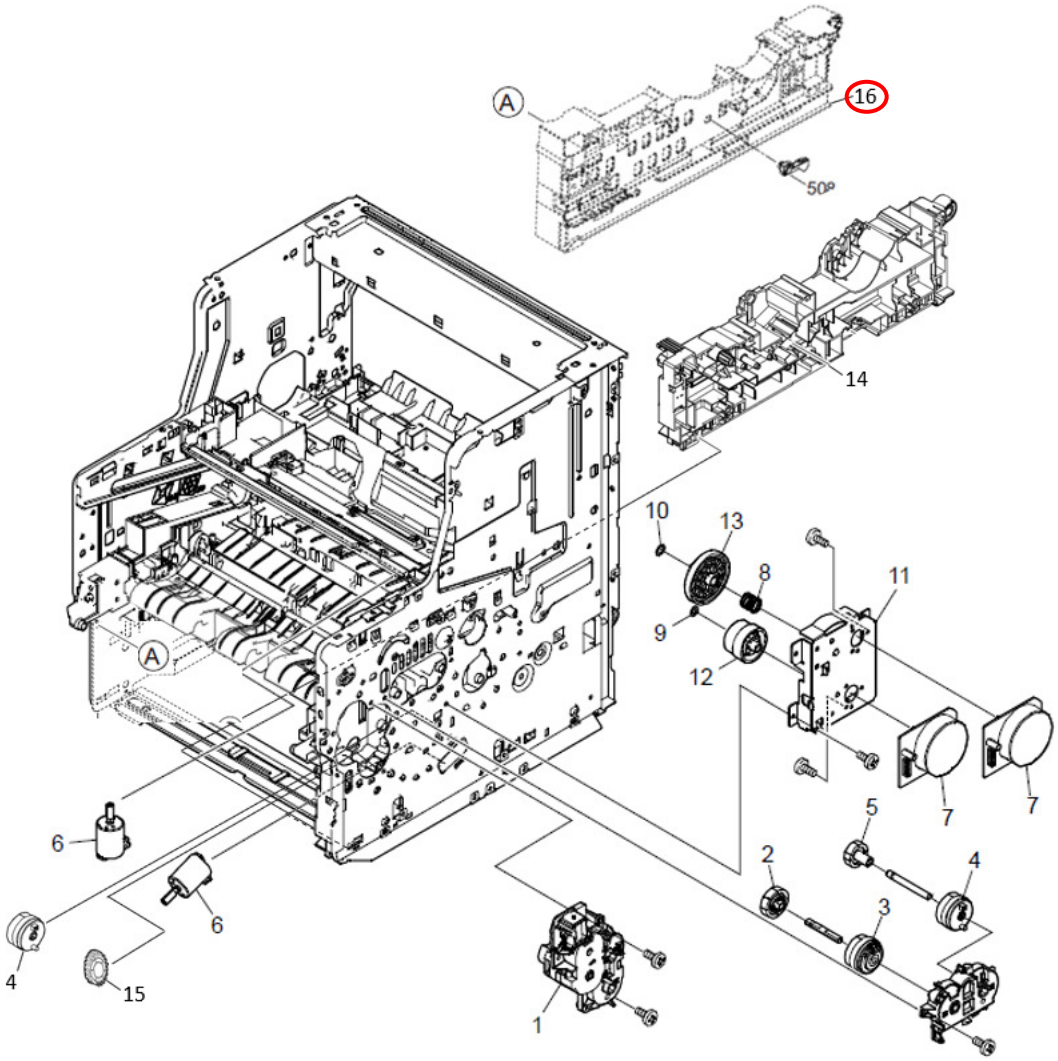
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811183	GUIDE CASSETTE L	1		22	16	

10. Drive Section



Technical Bulletin

Model: Brazil-MF1	Date: 7-Jan-19	No.: RD255070

subject: DO NOT install Legacy UI v1.23	Prepared by: T. Kiyohara
From: Field Quality Management Group1, FQM Dept.	

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

IMPORTANT Notice about Legacy UI v1.23

- **DO NOT install** the following Legacy UI firmware on machines in the field.

  Note: These versions are no longer released/available.

Firmware	version	P/N
Legacy UI	**1.23**	D2411439_for EDC

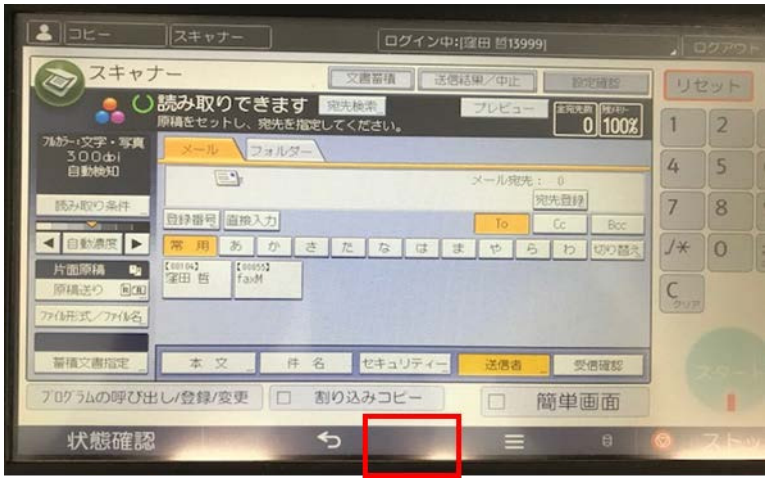
Affected models:

Brz-MF1/Ch-C2/Ch-C2Pro/Cor-C1.5/Cor-P1.5/Gim-MF1.5dM/Gr-C2_ch/Gri-C3/Lef-C1b/MT-C6/Met-C2.1abyz/Met-C2.1cde/Met-C2abyz/Met-C2cde/Met-P2(EXP)

- This is because there is a bug with the operation panel feature.

  Specifically:

  With firmware combination **#3** below, the Home button is not displayed, making it impossible to switch between applications.



Comb.	CheetahSystem	LegacyUI	Result
1	1.30 or older	1.22 or older	Good

2	1.31 or newer	1.22 or older	Good
3	**1.30 or older**	**1.23 or newer**	**Problem occurs**
4	1.31or newer	1.23 or newer	Good

- To ensure this does not occur, ~~**downgrade** the Legacy UI to ver. **1.22.**~~ ***Update the Cheetah System to 1.31 or newer.***

Technical Bulletin

Model: Brz-MF1/P1	Date: 8-Jan-19	No.: RD255071

Subject: FSM correction: Solution added to Jam 011	Prepared by: T. Tachibana
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 ☐ Tier 0.5

Service Manual Correction:

Please add the descriptions **in blue** to your field service manual.

6. Troubleshooting > Jam Detection > Jam Codes and Display Codes (P574)

SP No.	Jam Code	Description	Indication on the operation panel
SP7-504	011	Transfer unit not ready. Solution: - Turn off/on the machine. - Remove remaining paper from the machine. - Open/close the covers. Affected covers: The front cover and covers around the jammed or remaining paper.	A1

Technical Bulletin

Model: Brz-MF1	Date: 18-Jan-19	No.: RD255072

Subject: Parts Catalog Correction: Cover Front Left / Right	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

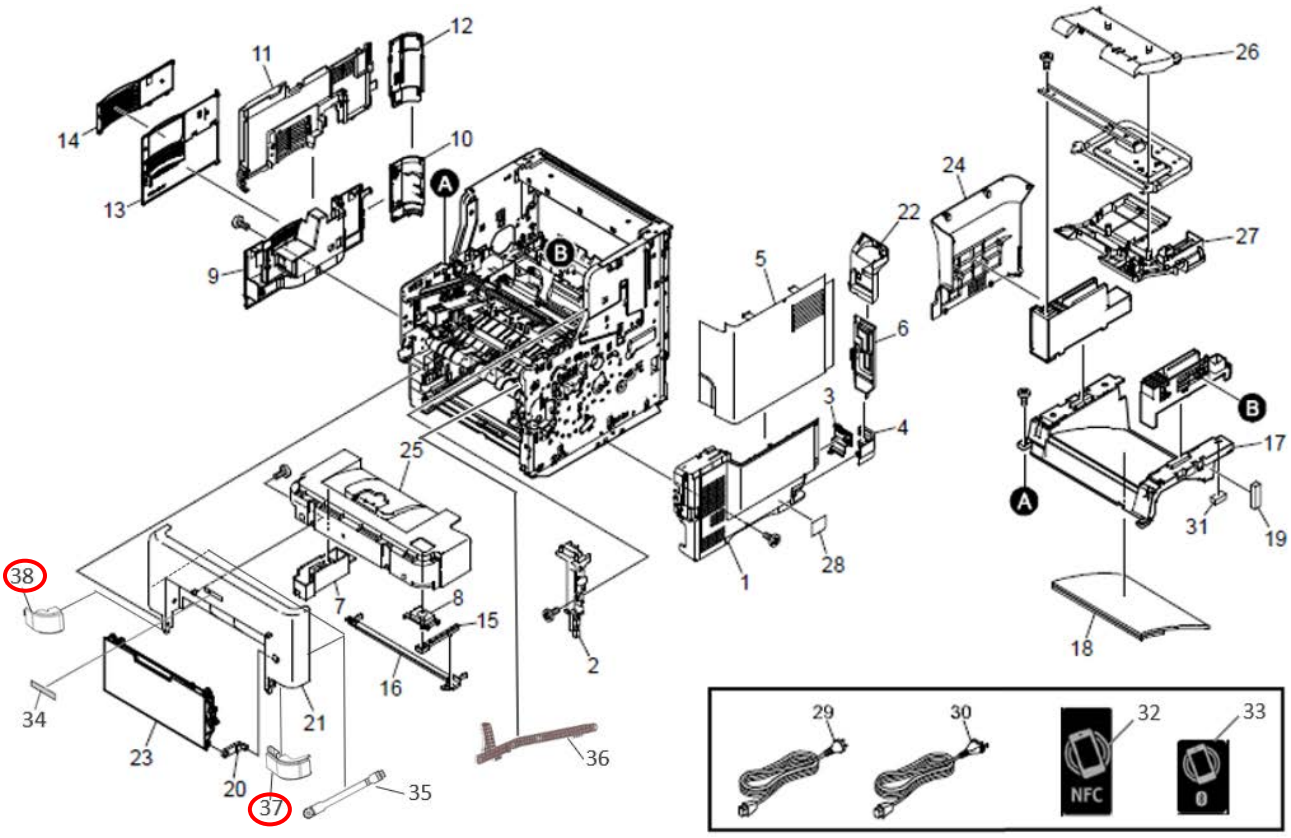
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2551249	COVER FRONT LEFT	1		4	38	
D2551250	COVER FRONT RIGHT	1		4	37	

1.Covers



Technical Bulletin

Model: Brz-MF1	Date: 19-Feb-19	No.: RD255073

Subject: SC995-02 cannot be reset			Prepared by: J. Mochizuki
From: Overseas Field Info Sec., OP/OS PQM Dept			
Classification:	☒ Troubleshooting	☐ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☒ Tier 2

SYMPTOM

SC995-02 cannot be reset after replacing the NVRAM (M2819590) on the controller board with the service parts NVRAM.

CAUSE

Firmware bug: SP5-811-001 does not work correctly.

Note: This SP is used to program the serial number once a new NVRAM is installed.

SOLUTION

The System/Copy firmware was modified to fix this bug.

In the field:

If the symptom occurs,

1. Install System/Copy **version 1.16** or later.
2. Turn the main power switch OFF/ON.
3. If the symptom still occurs, reboot the machine again.

Note:

- The firmware can be installed while the SC is displayed.
- You do not need to do SP5-811-001 after installing ver. 1.16.

Technical Bulletin

Model: Brz-MF1	Date: 22-Feb-19	No.: RD255074

Subject: Parts Catalog Correction: Paper Cassette (Dial Label)	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

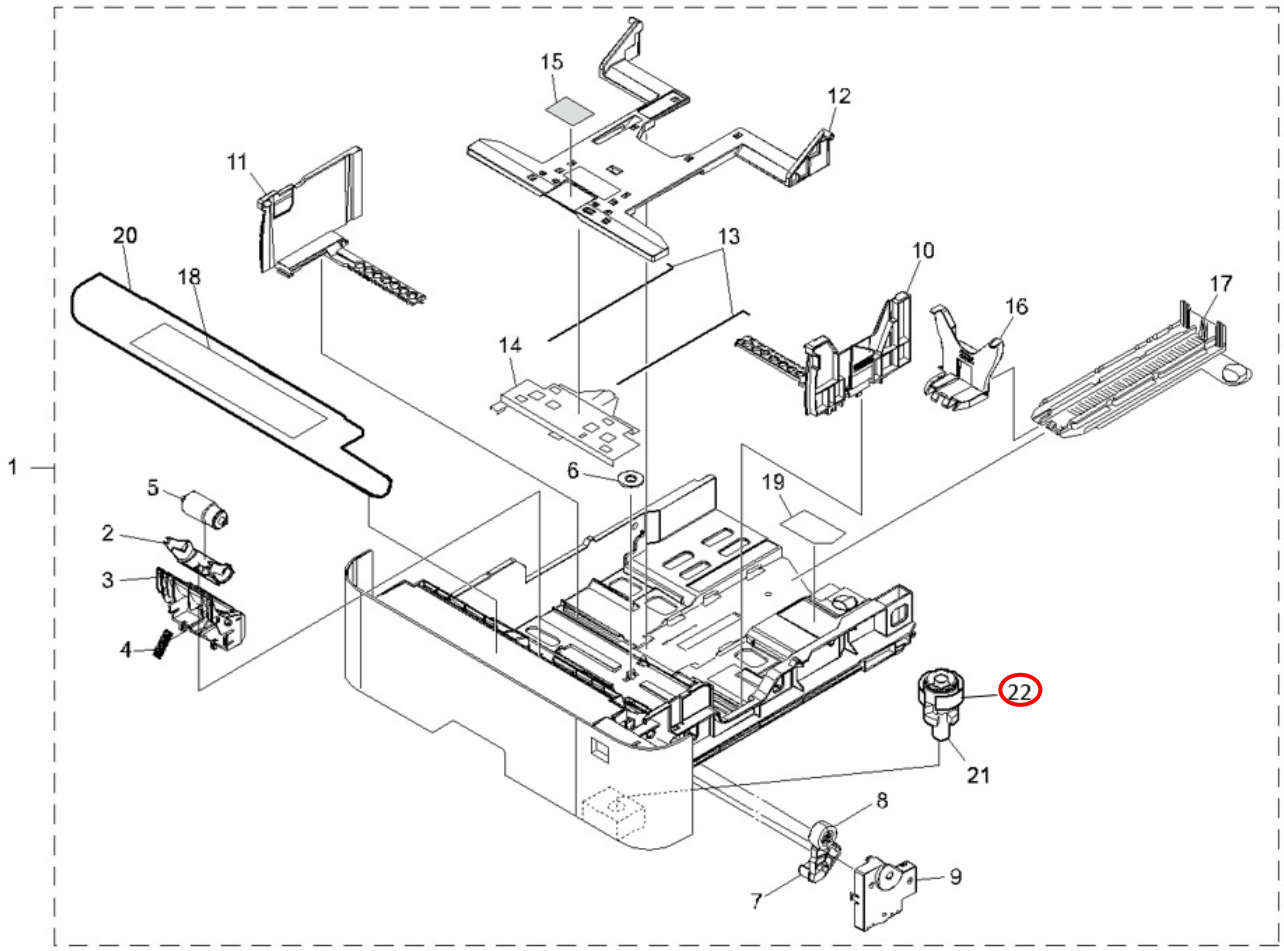
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811316	LABEL_DIAL	1		8	22	

3. Paper Cassette



Reissued : 4-Apr-19

Model: Brz-MF1/P1	Date: 15-Mar-19	No.: RD255075a

RTB Reissue

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

Subject: Smell reduction fan			Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	☒ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☒ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☐ Service manual revision ☐ Retrofit information ☐ Tier 2 ☐ Tier 0.5

SYMPTOM

The machine sometimes gives off an unpleasant, chemical smell.

CAUSE

This machine only contains intake fans. Smells generated inside the machine, such as the smell of heated toner, are released through the paper exit.

SOLUTION

Install the smell reduction fan.

Part number	Description	Q'ty	Int	Page	Index	Note
M2810081	FILTER:FAN:ASS'Y	1				

Note 1: The fan continues to run when the machine is in sleep mode.

Note 2: The power consumption is 0.90 W.

Note 3: If the filter needs to be replaced after installation, please check the parts information below.

Part number	Description	Q'ty	Note
M2812415	FILTER:NHC-MKB2:198X52.5	1	Part #2 in the Accessory Check in Installation

Reissued : 4-Apr-19

Model: Brz-MF1/P1	Date: 15-Mar-19	No.: RD255075a

Installation:

Accessory Check

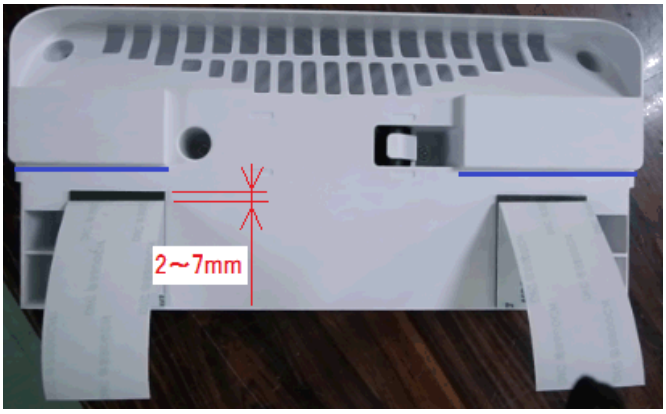
No.	Description	Q'ty
1	Deodorant Fan	1
2	Filter	1
3	Cover (only for the Printer model)	1

Installation Procedure

1. Place the Filter in the Deodorant Fan.

Model: Brz-MF1/P1	Date: 15-Mar-19	No.: RD255075a

2. Pull 2~7 mm of tape and fold it as shown below.

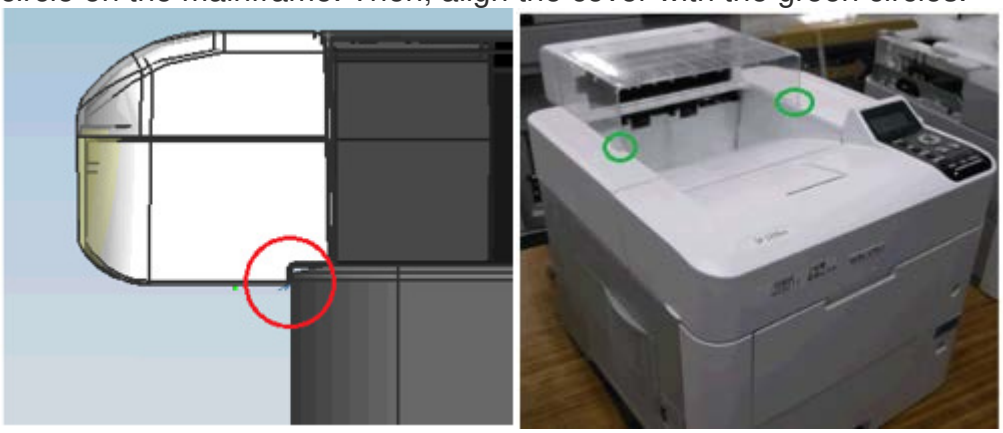


3. (**MF model only**) Align the blue line on the fan with the red line on the mainframe to make sure the fan is placed correctly.
Fan (Underside):

Mainframe (Rear side):

Model: Brz-MF1/P1	Date: 15-Mar-19	No.: RD255075a

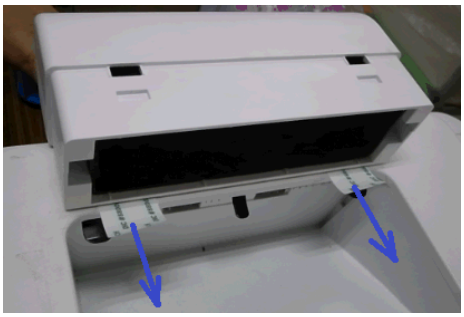
4. (**Printer model only**) Align the blue line on the fan (shown in #2) with the red circle on the mainframe. Then, align the cover with the green circles.



5. Pull out the tape slowly from the front of the machine.

MF model:

Printer model:



6. Connect the USB cable.

MF model:

Printer model:

Model: Brz-MF1	Date: 17-Apr-19	No.: RD255076

Subject: Parts Catalog Correction: Original Plate and Reading Guide	Prepared by: T. Tachibana
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

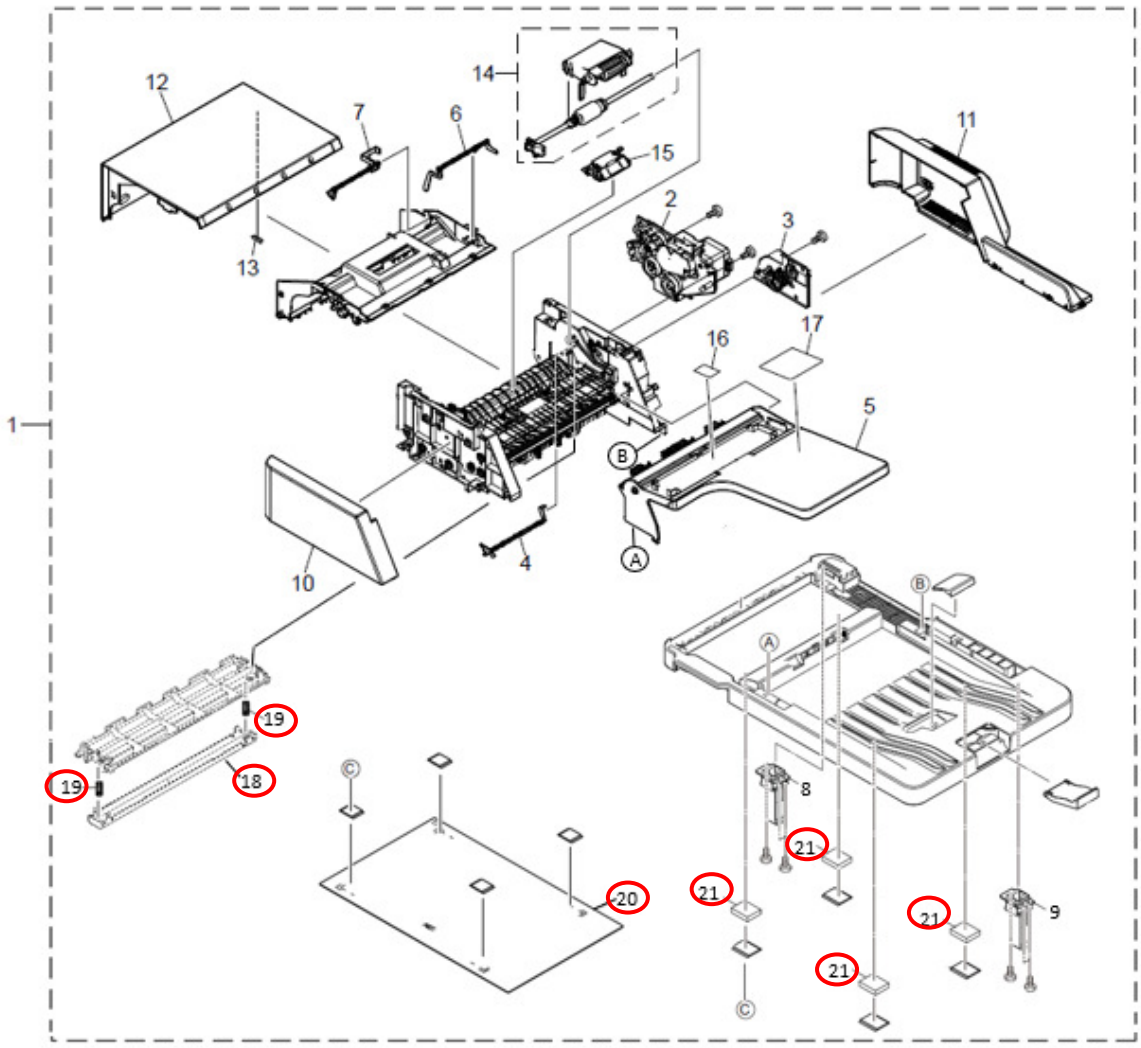
Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2557501	GUIDE READING	1		24	18	
D2557502	SPRING READING	2		24	19	
D2557503	PLATE ORIGINAL L	1		24	20	
D2557504	SPONGE ORIGINAL MAT	4		24	21	

Model: Brz-MF1	Date: 17-Apr-19	No.: RD255076

11. ARDF Section



RICOH

Technical Bulletin

Model: Brz-MF1	Date: 17-Apr-19	No.: RD255077

Subject: Parts Catalog Correction: Duplex parts	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

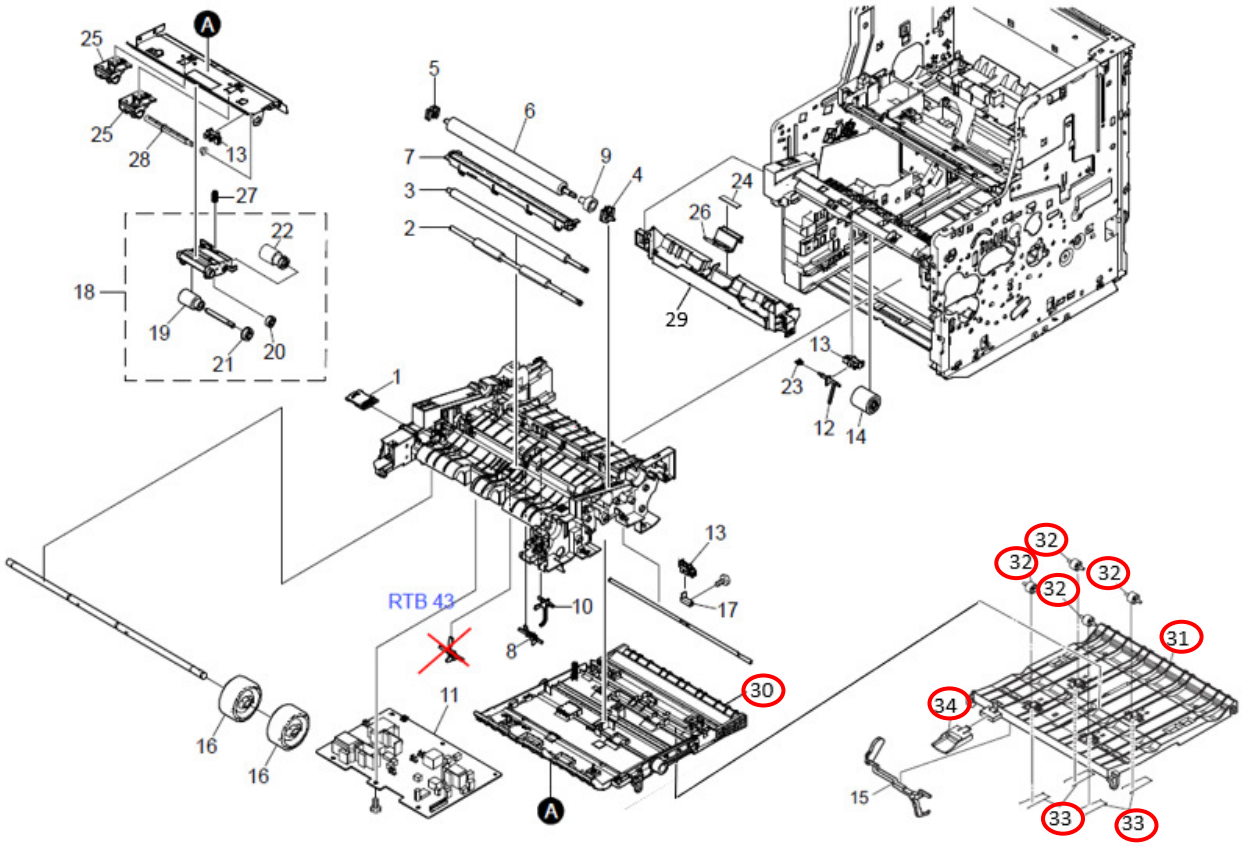
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2812852	BASE_DU	1		10	30	
M2817502	GUIDE DU	1		10	31	
M2817503	PULLEY PA	4		10	32	
M2817504	SPRING DU	4		10	33	
M2816684	LEVER_DU_RELEASE	1		10	34	

4. Paper Feed Section



Model: Brz-MF1	Date: 17-Apr-19	No.: RD255078

Subject: Parts Catalog Correction: Gears in Guide Cassette R	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

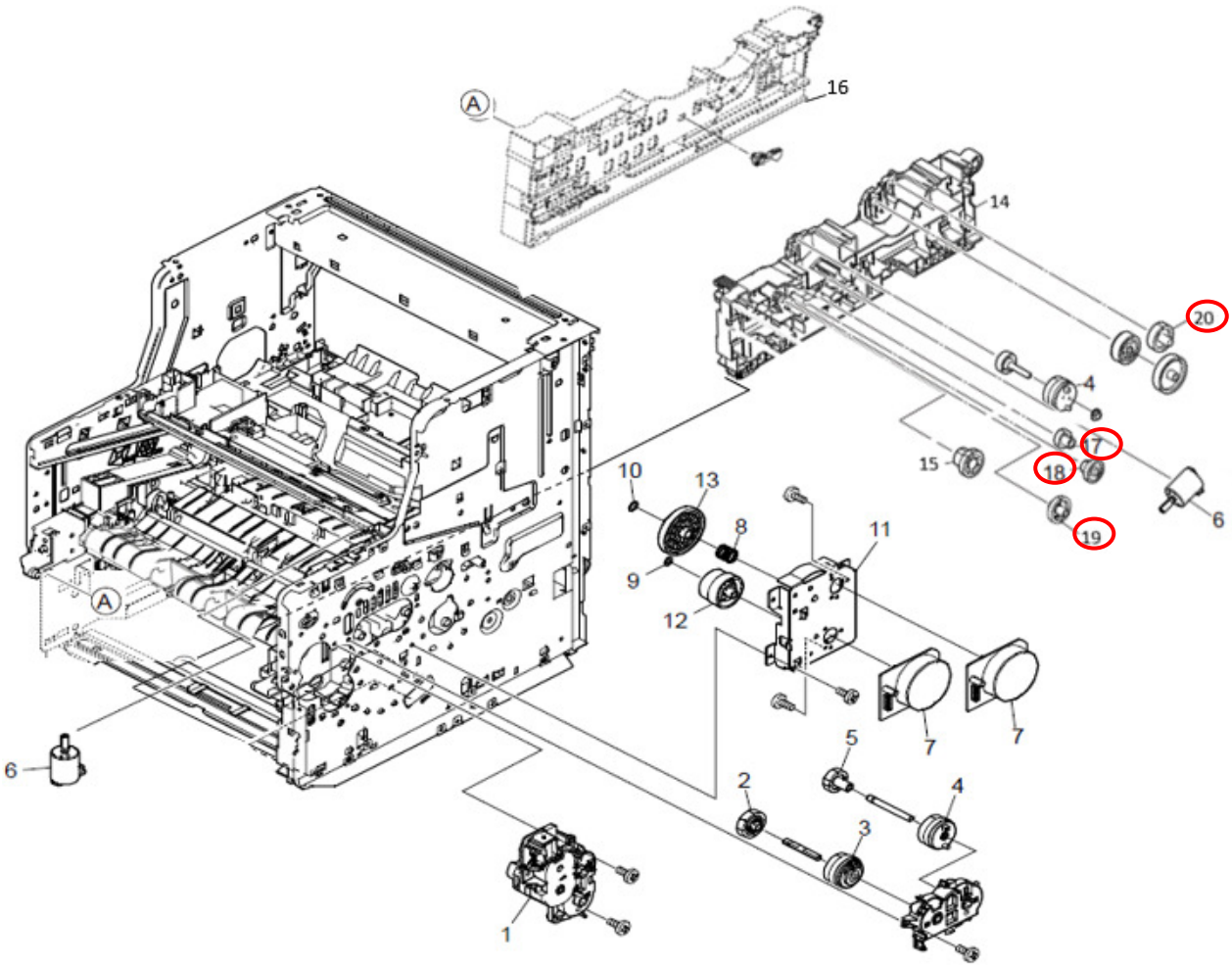
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2812543	GEAR Z36L-Z20S	1		22	17	
M2812542	GEAR Z46S-Z13S	1		22	18	
M2812541	GEAR Z34S-Z13S	1		22	19	
M2817501	GEAR Z34S INPUT	1		22	20	

10. Drive Section



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 23-May-19	No.: RD255079

Subject: Parts Catalog Correction: SHEET REGIST	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

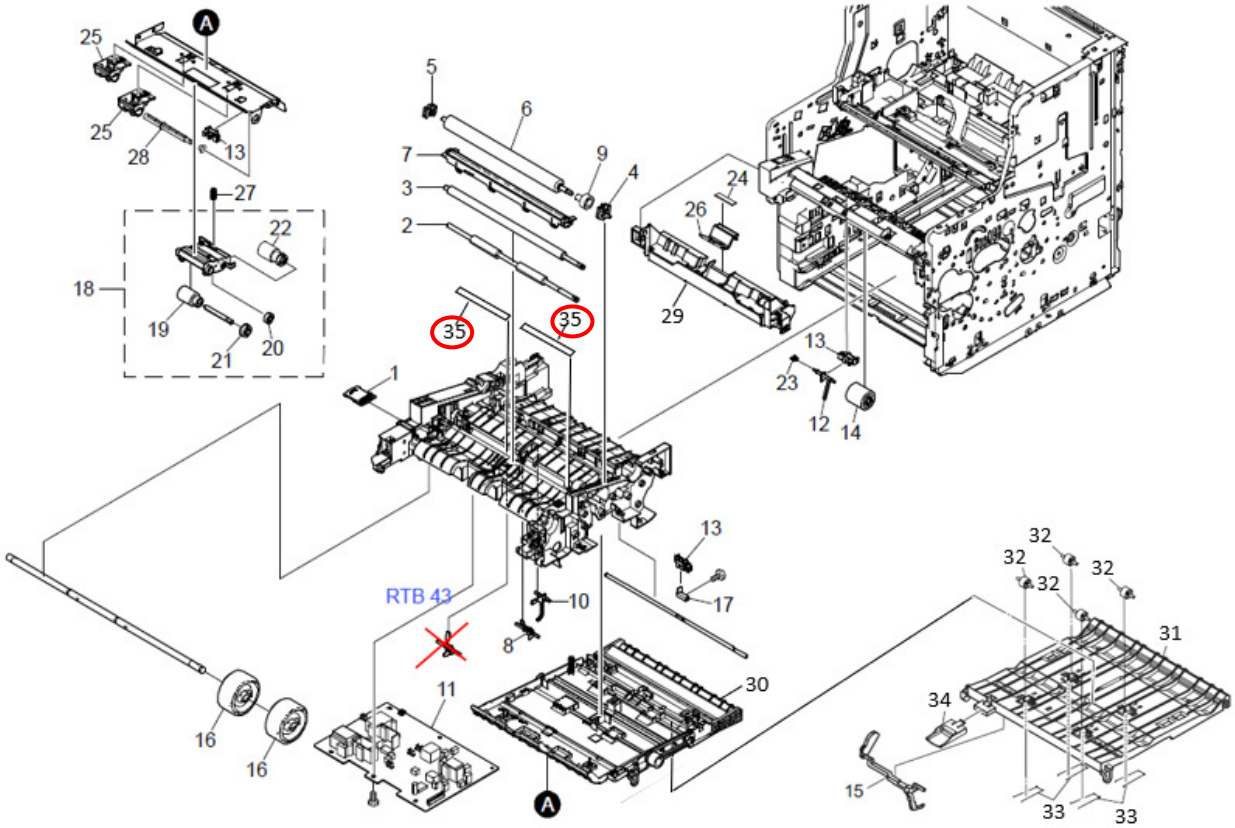
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2817505	SHEET REGIST	2		10	35	

4. Paper Feed Section



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 23-May-19	No.: RD255080

Subject: Parts Catalog Correction: LEVER LOCK CASSETTE L	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

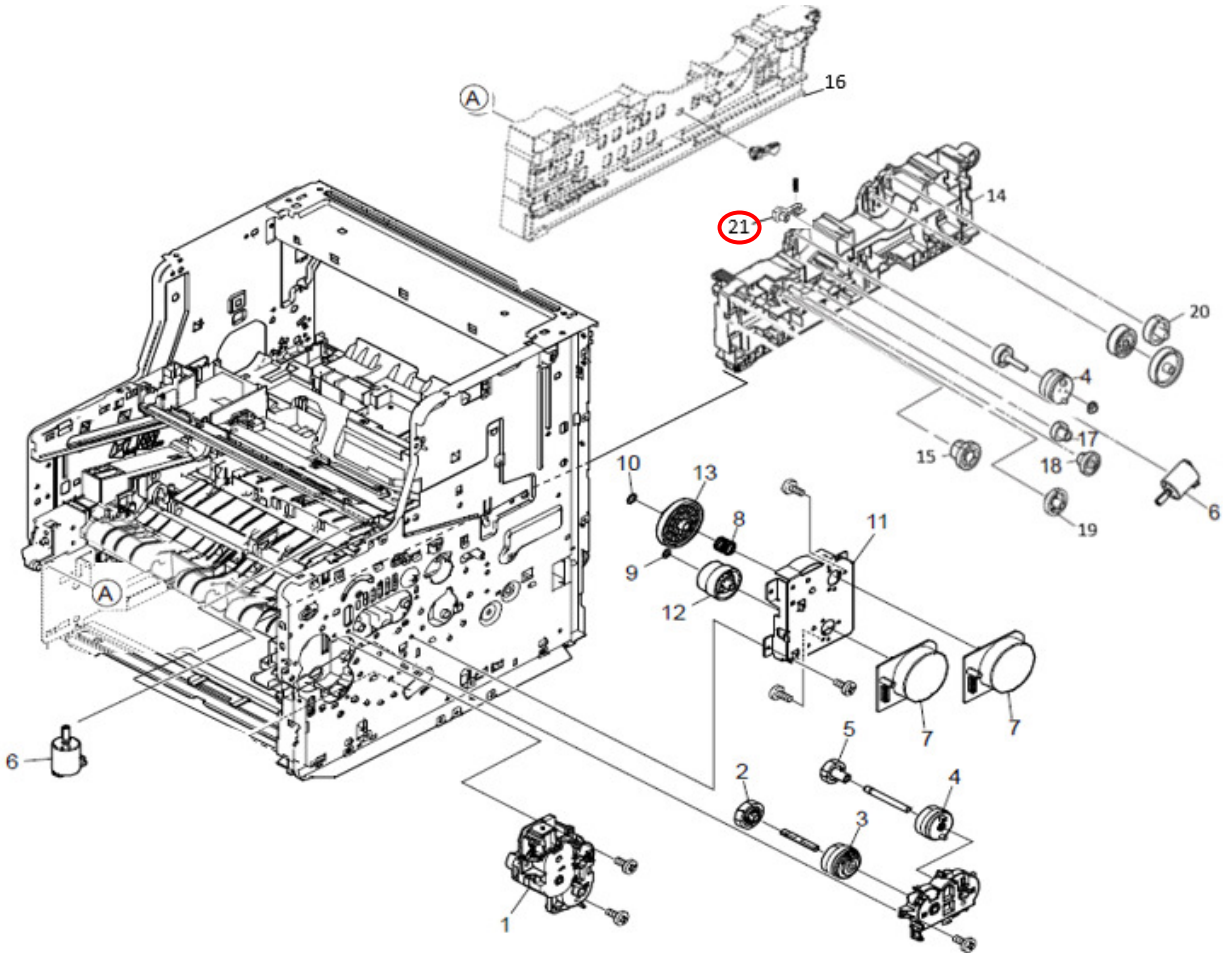
Classification:			
	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2817506	LEVER LOCK CASSETTE L	1		22	21	

10. Drive Section



Model: Brz-MF1	Date: 23-May-19	No.: RD255081

Subject: Parts Catalog Correction: CUSHION ORIGINAL MAT	Prepared by: T. Tachibana
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

Change: These parts are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2557522	CUSHION ORIGINAL MAT B	4		24	22	*
TBD	CUSHION ORIGINAL MAT A	4		24	23	*

***: Note:** These parts are a pair, so please replace both parts at the same time.

Model: Brz-MF1	Date: 2-Jul-19	No.: RD255082

Subject: Parts Catalog Correction: CTL board and Firmware	Prepared by: T. Tachibana
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 ☐ Tier 0.5

The controller board (CTL board) have been updated with the System/Copy firmware.

Old part number	New part number	Description	Q'ty	Int
D2555547	D2555586	PCB:CTL:BRA-MF1A:50PPM	1	O/O
D2555548	D2555587	PCB:CTL:BRA-MF1B:60PPM	1	O/O

The System/Copy firmware version has been changed as shown below:

D2555770S -> D2555745

Ver.1.16 Ver.1.17

Caution

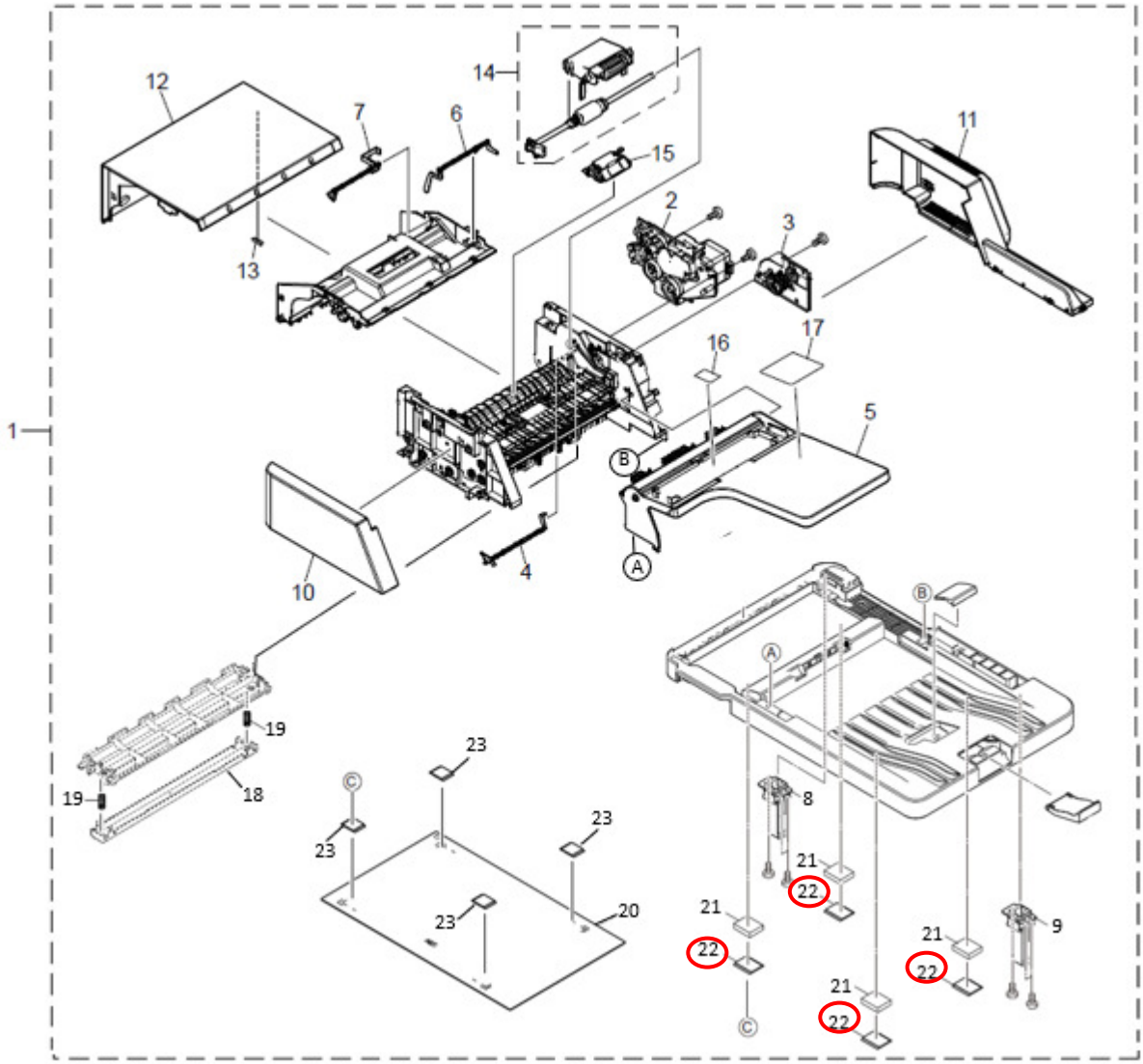
- The old System/Copy firmware (version 1.16) is not compatible with the new CTL board.
- The new System/Copy firmware (version 1.17) is compatible with both old and new CTL board.
- If you use a new CTL board, do not downgrade the System/Copy firmware to version 1.16. If the old System firmware is installed to the new CTL board, SC878 (TPM authentication error) will occur.
- If SC878 occurs after downgrading the firmware, the CTL board must be replaced with a new one to solve the SC878 error.

Change/Reason:

An IC on the CTL board has been discontinued. The new IC is not compatible with the old one and required a firmware change.

Model: Brz-MF1	Date: 23-May-19	No.: RD255081

11. ARDF Section



Model: Brz-MF1	Date: 22-Aug-19	No.: RD255083

Subject: Parts Catalog Correction: 4. Paper Feed Section	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

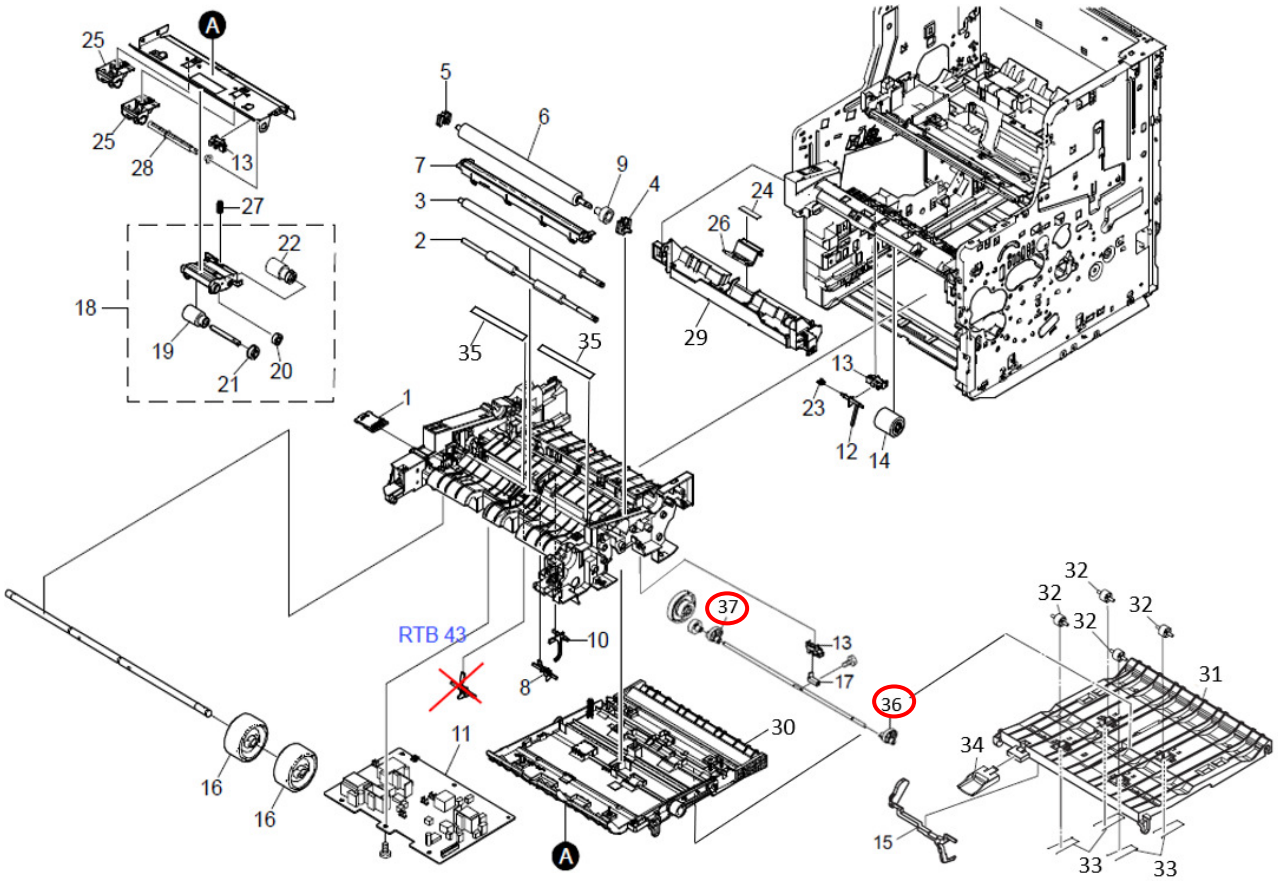
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: ***The bold italic parts*** are newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2552851	GUIDE TURN MPF A	1		10	29	
M2812852	BASE_DU	1		10	30	
M2817502	GUIDE DU	1		10	31	
M2817503	PULLEY PA	4		10	32	
M2817504	SPRING DU	4		10	33	
M2816684	LEVER_DU_RELEASE	1		10	34	
M2817505	SHEET REGIST	2		10	35	
M2812859	***LOCK ENVELOPE R***	***1***		***10***	***36***	
M2812855	***LOCK ENVELOPE L***	***1***		***10***	***37***	

4. Paper Feed Section



Model: Brz-MF1	Date: 25-Oct-19	No.: RD255084

Subject: Parts Catalog Correction: 2. Frames	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

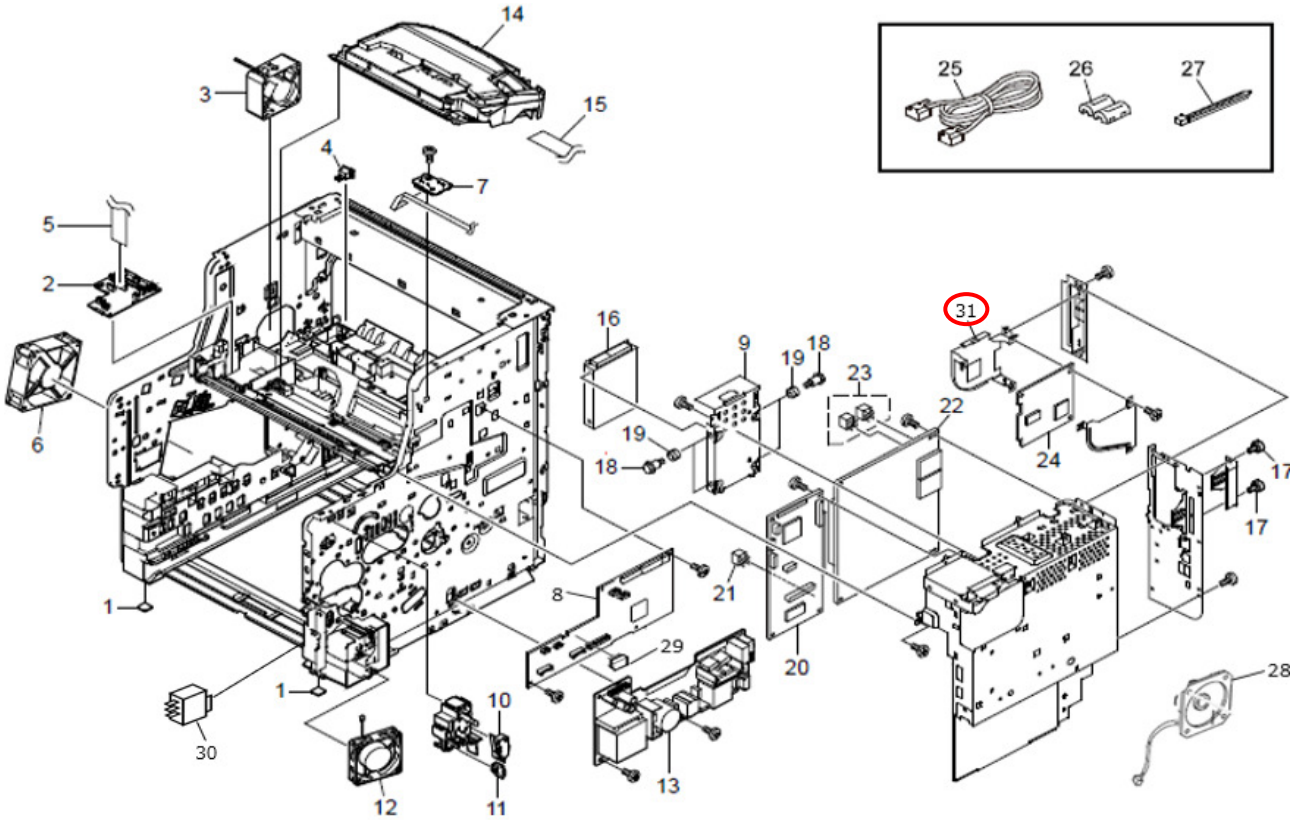
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: ***The bold italic part*** is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D2551058	SPEAKER	1		6	28	
D2555321	PARTS_IC_EEPROM	1		6	29	
M2812860	SW.PUSH	1		6	30	
D2555557	***PLATE FAX B***	***1***		***6***	***31***	

2. Frames



RICOH **Technical Bulletin**

Model: Brz-MF1	Date: 25-Oct-19	No.: RD255085

Subject: Parts Catalog Correction: 1. Covers	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

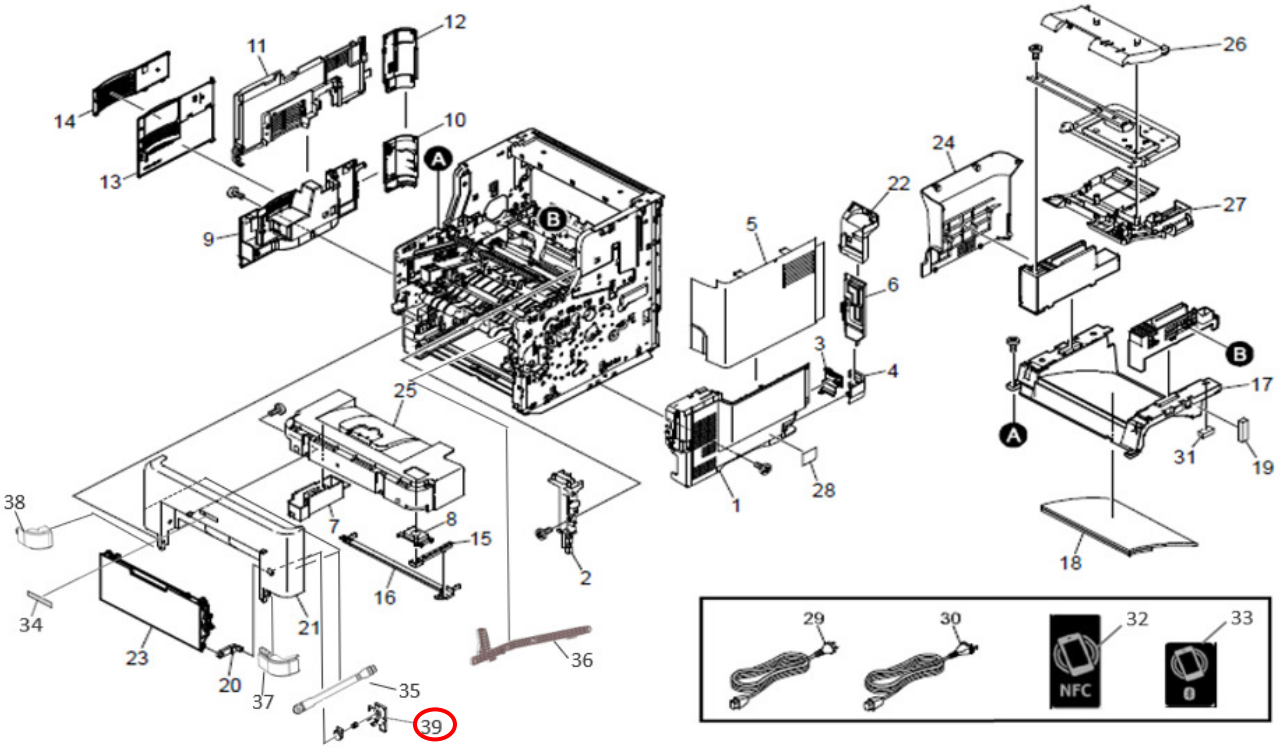
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: ***The bold italic part*** is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
D1961485	IC:NFC_TAG:MN63Y3212NB	1		4	32	
D2557798	DECAL:BLUETOOTH:CHEETAH-G2	1		4	33	
M1011301	PLATE:LOGO:RIC	1		4	34	
D1201561	SHEET:LOGO:SAV	1		4	34	
AA001531	PLATE:LOGO:LAN	1		4	34	
D2551252	STRAP COVER FRONT	2		4	35	
M2811139	ARM COUPLING	1		4	36	
D2551250	COVER FRONT RIGHT	1		4	37	
D2551249	COVER FRONT LEFT	1		4	38	
D0BT1071	***HOLDER KEY SW***	***1***		***4***	***39***	

1.Covers



Model: Brz-MF1	Date: 25-oct-19	No.: RD255086

Subject: Parts Catalog Correction: 7. Fusing Section	Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.	

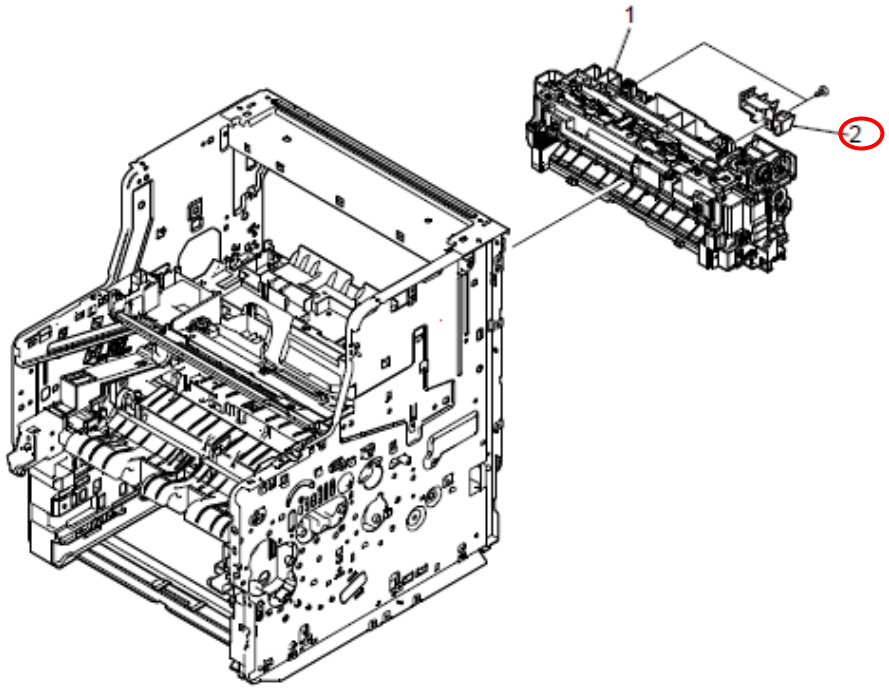
Classification:	☐ Troubleshooting	☒ Part information	☐ Action required
	☐ Mechanical	☐ Electrical	☐ Service manual revision
	☐ Paper path	☐ Transmit/receive	☐ Retrofit information
	☐ Product Safety	☐ Other ( )	☐ Tier 2

Change: This part is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811087	COVER SENSOR	1		16	2	

7. Fusing Section



Model: Brz-MF1	Date: 21-Nov-19	No.: RD255087

Subject: Parts Catalog Correction: 10. Drive Section	Prepared by: T. Tachibana
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

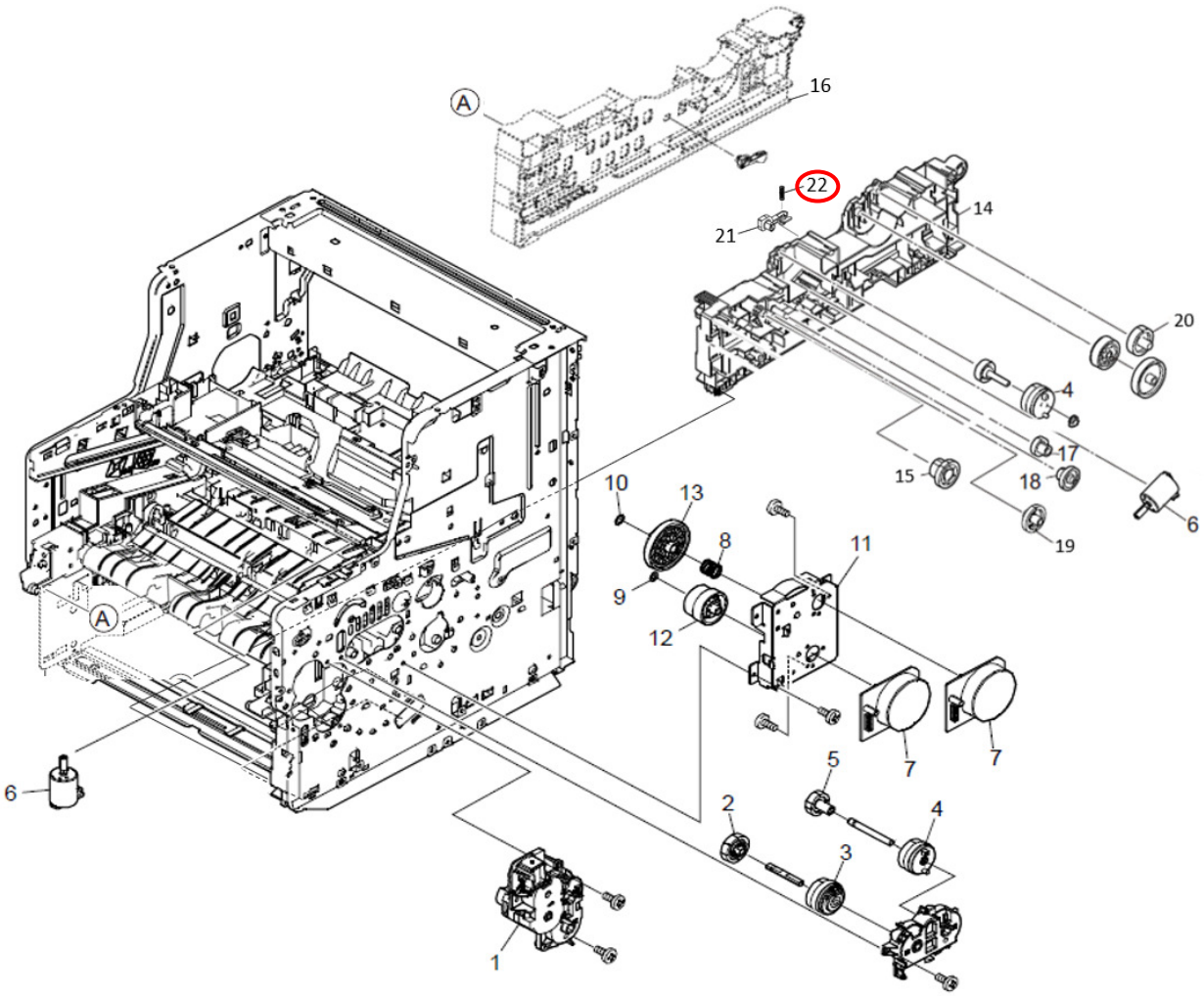
Change: ***The bold italic part*** is newly added.

Reason: To meet requests received from the field.

Part number	Description	Q'ty	Int	Page	Index	Note
M2811182	GUIDE CASSETTE R	1		22	14	
M2811130	GEAR Z35S-Z13S B	1		22	15	
M2811183	GUIDE CASSETTE L	1		22	16	
M2812543	GEAR Z36L-Z20S	1		22	17	
M2812542	GEAR Z46S-Z13S	1		22	18	
M2812541	GEAR Z34S-Z13S	1		22	19	
M2817501	GEAR Z34S INPUT	1		22	20	
M2817506	LEVER LOCK CASSETTE L	1		22	21	
M2811246	***SPRING LOCK CASSETTE***	***1***		***22***	***22***	

Model: Brz-MF1	Date: 21-Nov-19	No.: RD255087

10. Drive Section



Reissued: 10-Dec-19

Model: Brz-MF1/P1	Date: 25-Nov-19	No.: RD255088a

RTB Reissue

The items in *italic* have been added.

Subject: FSM correction: Procedure for Retrieving the Debug Log in IOB board			Prepared by: T. Tachibana
From: 1st Tech Service Sect., MFP/P Tech Service Dept.			
Classification:	☐ Troubleshooting ☐ Mechanical ☐ Paper path ☐ Product Safety	☐ Part information ☐ Electrical ☐ Transmit/receive ☐ Other ( )	☐ Action required ☒ Service manual revision ☐ Retrofit information ☐ Tier 2 ☐ Tier 0.5

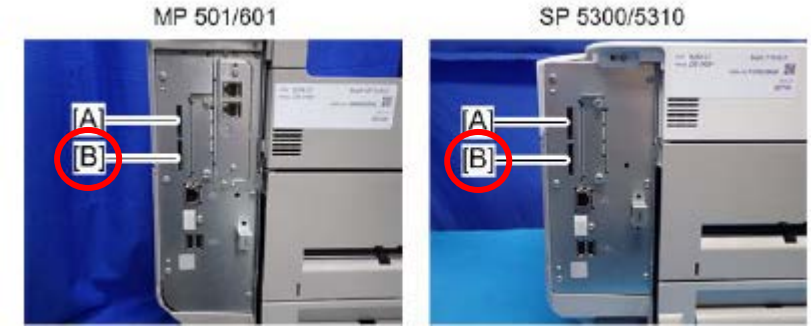
Service Manual Correction:

Please add the section below to your field service manual.

5. System Maintenance > Capturing the Debug Logs > Retrieving the Debug Logs (p441)

Procedure for Retrieving the Debug Log on the IOB board

1. Insert the SD card into SD card slot 2 (lower) [B].



2. Set SP5-858-001 (Save Machine Info) to 1:ON.
3. Set SP5-858-002 (Save Machine Info - Target) to 1:SD.
4. Execute SP5-858-003 (Save Machine Info - Make LogTrace Dir).
5. Set SP1-998-001 (Reserve SP reserve01) to 1.

   Note: Please do not use SP 1-998-002 and over.
6. Turn off the machine.
7. Reproduce the symptom.
8. Wait for 60 seconds.

   Note: The log will be stored on the SD card during this time.
9. Set SP1-998-001 (Reserve SP reserve01) to 0.
10. Turn off the machine.
11. Remove the SD card.

    Note: Log data is stored in the “LogTraceServiceSlotSd” folder on the SD card.

Model: Brz-MF1/P1	Date: 25-Nov-19	No.: RD255088a

After Retrieving the Debug Log

- *This step is required for the following models:*
  - *MP 501/601*
  - *SP 5300/5310 with HDD option*

1. *Set SP5-858-002 (Save Machine Info - Target) to 0:HDD.*