

Reissued: 12-Dec-16

Model: BR-P1	Date: 27-May-15	No.: RM263005a
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RTB Reissue

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

Subject: Firmware Release Note: PDF		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
<i>1.01</i>	<i>M2635775B</i>	<i>November 2016 production</i>	<i>Not available</i>
1.00	M2635775A	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
<i>1.01</i>	<i>Symptom corrected:</i> <i>1. Images might be missing when printing from the PS3 driver.</i> <i>2. PDF file may not be printed via direct print if the PDF file contains True Type fonts.</i> <i>3. Printing might be slow when a spreadsheet containing many cells with patterns that are different from the default pattern in the following setting is printed from Microsoft Excel 2013:</i> <i>Select "Format Cell", select the "Fill" tab, and change the "Pattern Style" setting</i>
1.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263006
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Subject: Firmware Release Note: RPCS		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
3.13.30	M2635765A	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
3.13.30	1st Mass production

Reissued: 07-Dec-16

Model: BR-P1	Date: 27-May-15	No.: RM263007b
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RTB Reissue

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

Subject: Firmware Release Note: Network Support		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> 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
<i>12.76</i>	<i>M2635760C</i>	<i>November 2016 production</i>	<i>Not available</i>
12.75	M2635760B	December 2015 production	Not available
12.74	M2635760A	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
<i>12.76</i>	<i>Symptom corrected: When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.</i>
12.75	Other changes: <ul style="list-style-type: none"> The factory default setting for SSLv3 has been changed to disabled to avoid the POODLE vulnerability. Changed the DH key specification to use 2,048 bits instead of 512 bits to prevent the Logjam vulnerability (CVE-2015-4000). In addition, by modifying this specification, SSL/TLS communication can be established when using Mac OS X 10.10.4 and iOS 8.4.
12.74	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263008
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Subject: Firmware Release Note: NetworkDocBox		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.00	M2635757A	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
1.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263009
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Subject: Firmware Release Note: OpePanel		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.01	M2635758A	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	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263010
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Subject: Firmware Release Note: Option Netware		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
12.72	M2635761	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
12.72	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263011
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Subject: Firmware Release Note: PowerSaving Sys		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> 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
1.26	M2635755A	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
1.26	1st Mass production

Reissued: 06-Dec-16

Model: BR-P1	Date: 27-May-15	No.: RM263012a
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RTB Reissue

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

Subject: Firmware Release Note: Web Support		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
<i>1.01</i>	<i>M2635756B</i>	<i>December 2016 production</i>	<i>Not available</i>
1.00	M2635756A	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
<i>1.01</i>	<i>Symptom corrected: When Vacuum Feed LCIT RT5100 is installed and Large Capacity Tray RT5080 is not installed, if the home page of Web Image Monitor is navigated to after assigning the user-defined paper that was previously set in some trays, an "HTTP 500" error occurs.</i>
1.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263013
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Subject: Firmware Release Note: Extended JS		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.00.00	M2635784	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
1.00.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263014
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Subject: Firmware Release Note: PS3		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> 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	M2635773	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
1.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263015
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Subject: Firmware Release Note: browser		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.01.00	M2635783	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
1.01.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263016
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Subject: Firmware Release Note: Font EXP		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> 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	M2635767	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
1.00	1st Mass production

Model: BR-P1	Date: 27-May-15	No.: RM263017
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Subject: Firmware Release Note: PS3 Font		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> 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
1.18	M2635777	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	1st Mass production

Reissued: 02-Jun-15

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/ BR-P1	Date: 23-Aug-13	No.: RD179017k
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RTB Reissue

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

Subject: Firmware Release Note: BookletFinisher_SR5060		Prepared by: J.Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **BookletFinisher_SR5060**.

Version	Program No.	Effective Date	Availability of RFU
02.590:10	D7345620Q	July 2015 production	Not available
02.570:10	D7345620P	May 2015 production	Not available
02.530:10	D7345620M	March 2015 production	Not available
02.510:10	D7345620L	January 2015 production	Not available
02.500:10	D7345620K	December 2014 production	Not available
01.460:10	D7345620J	September 2014 production	Not available
01.420:09	D7345620H	June 2014 production	Not available
01.410:09	D7345620G	March 2014 production	Not available
01.400:09	D7345620F	February 2014 production	Not available
01.390:09	D7345620E	January 2014 production	Not available
01.380:09	D7345620D	January 2014 production	Not available
01.350:09	D7345620C	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
02.590:10	Specification Change: <i>To match the spec with the GBC StreamPunch Ultra, print operation was made to suspend when the paper size switches during the job.</i>
	Error Correction: <i>Jam occurs when punching with the GBC StreamPunch Ultra, because the paper interval is too short.</i>

Reissued: 02-Jun-15

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/BR-P1			Date: 23-Aug-13	No.: RD179017k
Version	Modified Points or Symptom Corrected			
02.570:10	<p>Symptoms corrected:</p> <ol style="list-style-type: none"> 1. Wrinkles or folds might occur when feeding Z fold paper. 2. After Shift tray keeps down by pressing the Emergency Shift Tray Stop Switch and system is turned off power, stall might occur after turning on the power. 3. SC 990 might occur on Plockmatic system when Jams occur in SR5050 and SR5060. 4. Operation panel indicates that printed papers remain in Plockmatic when stacker of Plockmatic is full. <p>Note: Version 02.560:10 is missing.</p>			
02.530:10	<p>Symptoms corrected:</p> <ol style="list-style-type: none"> 1. If sheets are fed through SR5050/5060 and saddle-stitched booklets created in Plockmatic and jam occurs in SR5050/5060, the saddle-stitching operation immediately stops. 2. Line speed automatically set for feeding out jobs to the SR5050/5060 shift tray according to paper size, type and weight might not be correct. 3. If the system internally detects a SC720-41 (stapling related SC) while running a non-stapling job, Jam106 might occur. <p>Note: This version or later is required to install Plockmatic to Leo-C1/P1.</p>			
02.510:10	<p>Symptom corrected: When the Stream Punch Ultra is connected and paper longer than 431.9 mm is used, jams might occur at finisher.</p>			
02.500:10	Software bugs were fixed before the mass production of Leo-C1/P1.			
01.460:10	<p>Additional Model Information</p> <ul style="list-style-type: none"> - Leo-C1/P1 are applied - Banner paper is applied <p>Symptom Corrected:</p> <ul style="list-style-type: none"> - The Entrance Motor might not work and jam might occur. - Stall might occur if printing on mixplex and shift mode. - Jam 125 might occur if postcard is fed with SEF direction. - Operation panel indicates the wrong location of jammed paper when jam 126 occurs. 			
01.420:09	<p>Symptom corrected: SC720-35 might occur, caused by the position of the swing unit. Firmware of the home position detection and the swing plate motor is modified.</p>			

Reissued: 02-Jun-15

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/BR-P1			Date: 23-Aug-13	No.: RD179017k
Version	Modified Points or Symptom Corrected			
01.410:09	<p>Specification Change :</p> <ul style="list-style-type: none"> Waiting time before feeding the 1st sheet of a job was extended to 15sec from the previous 7sec to prevent jams with the Plockmatic RCT5030 finisher. (1st sheet enters the finisher before the finisher completes the initialization process, resulting in the jam.) Interval between sheets when connecting Plockmatic finisher was reduced to maintain the productivity prescribed by the engine specifications. To prevent Jam115 that occur with booklets consisted of 2-5 sheets, an extra 500msec was added to create booklets when the number of folding operation in SP6-203-001 is set to '0'. <p>Symptom corrected:</p> <ul style="list-style-type: none"> The shift jogger motor remains active during the job, if the previous job was run using a custom paper of a length between 323.94mm and 324.30mm in feed direction. The following problems occur, if creating a booklet with 14 or more sheets and reducing the number of folding operation in SP6-203-001: <ul style="list-style-type: none"> JAM115 or JAM124 occurs in jobs with number of copies set to 2 or more. Motors that drive the paper transport rollers remain active in jobs with number of copies set to 1. 			
01.400:09	<p>Error Correction:</p> <ol style="list-style-type: none"> Jam could occur, if specifying Z-fold and staple options in the same job. Jam80 or Jam111 or Jam103 could occur, if stapling only a few sheets. Jam could occur, if stapled in mixed size mode. <p>Specification Change:</p> <p>Higher productivity is achieved for jobs specified with both Z-fold and staple options.</p>			
01.390:09	<p>Error Correction:</p> <p>Jam and miss staple might occur in the fold and staple job when system includes both FD5020 and SR5050/SR5060.</p>			
01.380:09	<p>Error Correction:</p> <ol style="list-style-type: none"> Job process timings were modified to enhance productivity for stapling jobs run together with the z-fold option. Valid sheets contained in the Plockmatic connected to the downstream of the Finisher is detected as invalid sheets. If selecting the saddle-stitch option on the operation panel while the shift tray ascends after pressing the emergency stop button on the Finisher, the machine continues to run idle. If a jam occurs at the entrance of the TR5040 and the jam sheet is removed, jam indication message does not disappear or the job in process does not resume. 			
01.350:09	1st Mass production			

Model: BR-P1	Date: 08-Jun-15	No.: RM263024
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Subject: Firmware Release Note: Option IPDS		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
8.615	M2635781	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
8.615	1st Mass production

Reissued: 25-Jan-17

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/BR-P1	Date: 09-Sep-13	No.: RD179035c
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: P-Binder_GB5010_B1		Prepared by: J.Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

P-Binder_GB5010_B1.

Version	Program No.	Effective Date	Availability of RFU
01.210:11	D7365021B	February 2017 production	Not available
01.200:11	D7365021A	September 2015 production	Not available
01.160:11	D7365021	February 2015 production	Not available
1.02:09	D7365020A	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
01.210:11	<p><u>Specification Change</u> <i>Feeding cover sheets from the Cover Interposer tray or the Perfect Binder tray is not possible, if the tray cover is open. Feeding from the mainframe remains possible even when these tray covers are open.</i></p> <p><u>Error Correction</u> <i>If the main power is turned OFF and then ON with the Cover Interposer Tray or the Perfect Binder inserter cover open, the operation panel may not display the "cover open" message. If attempted to run a job in this state, the system stalls with SC990.</i></p> <p><u>Important Note</u> <i>The following firmware must be installed as a set.</i></p> <p><i>P-Binder_B_B1:D7365021B :Ver01.210:11</i> <i>P-Binder_B_B2:D7365071 :Ver01.040:00</i> <i>P-Binder_B_B3:D7365730 :Ver00.050:00</i> <i>P-Binder_B_B4:D7365121A :Ver01.070:00</i> <i>P-Binder_B_B5:D7365171 :Ver01.020:00</i></p>
01.200:11	<p>Error Correction</p> <ol style="list-style-type: none"> System stalls, if a jam is triggered by opening the front door of the Transit Pass Unit while running a job fed through the straight path of the glue binder. System stalls, if a jam is triggered by opening top cover of the inserter or the front door of the Transit Pass Unit while the cover sheet is being fed. System stalls after Jam420. In a job specified of multiple copies, an extra booklet is created, if the book

Reissued: 25-Jan-17

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/BR-P1			Date: 09-Sep-13	No.: RD179035c
Version	Modified Points or Symptom Corrected			
	<p>stacking tray is opened and closed while processing the first booklet.</p> <p>5. Jam510 occurs after recovering from Jam420.</p> <p>6. Glue temperature adjustment does not complete, disabling the job to start.</p> <p>NOTE: Make sure to apply the firmware versions listed below for this release to take effect.</p> <ul style="list-style-type: none"> - P-Binder_B_B2:D7365071 :Ver01.040:00 - P-Binder_B_B3:D7365730 :Ver00.050:00 - P-Binder_B_B4:D7365121A :Ver01.070:00 - P-Binder_B_B5:D7365171 :Ver01.020:00 			
01.160:11	<p><u>Additional Model Information</u> Leo-C1/P1</p> <p><u>Specification Change</u></p> <ul style="list-style-type: none"> - Supports 178.5mm/s line speed - Supports 700mm length media (in feed direction) - Supports Leo-C1/P1 <p><u>Symptoms Corrected</u></p> <ul style="list-style-type: none"> - The Perfect Binder is not ready but receives jobs from the engine, causing jams at the entrance. - Some of the input checks do not work. - The Perfect Binder stalls, if the job is run immediately after opening and closing the front doors in a low temperature environment, because the glue temperature is not adjusted. - J423 occurs, if the Buffer Pass unit is connected. - J343 occurs when the stacking tray becomes full. - Can not resume the job immediately after removing booklets from a "tacking tray full" status. - Can not start the next job, if the previous job is canceled with the "Stop" key at a particular timing. - Jam occurs, if the cover sheet is fed from the Inserter. - The Perfect Binder stalls, if a jam occurs and the stacking tray becomes full at a particular timing. <p><u>Important Note</u></p> <p>The following firmware must be installed as a set.</p> <p>P-Binder_B_B1:D7365021 :Ver01.160:11 P-Binder_B_B2:D7365071 :Ver01.040:00 P-Binder_B_B3:D7365730 :Ver00.050:00 P-Binder_B_B4:D7365121 :Ver01.050:00 P-Binder_B_B5:D7365171 :Ver01.020:00</p>			
1.02:09	1st Mass production			

Reissued: 09-Sep-15

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/BR-P1	Date: 09-Sep-13	No.: RD179038b
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: P-Binder_GB5010_B4		Prepared by: J.Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **P-Binder_GB5010_B4**.

Version	Program No.	Effective Date	Availability of RFU
01.070:00	D7365121A	September 2015 production	Not available
01.050:00	D7365121	February 2015 production	Not available
1.01:00	D7365120A	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
01.070:00	<p>Error Correction:</p> <ol style="list-style-type: none"> System stalls, if a jam is triggered by opening the front door of the Transit Pass Unit while running a job fed through the straight path of the glue binder. System stalls, if a jam is triggered by opening top cover of the inserter or the front door of the Transit Pass Unit while the cover sheet is being fed. System stalls after Jam420. In a job specified of multiple copies, an extra booklet is created, if the book stacking tray is opened and closed while processing the first booklet. Jam510 occurs after recovering from Jam420. Glue temperature adjustment does not complete, disabling the job to start. <p>NOTE: Make sure to apply the firmware versions listed below for this release to take effect.</p> <ul style="list-style-type: none"> P-Binder_B_B1:D7365021A : Ver01.200:11 P-Binder_B_B2:D7365071 : Ver01.040:00 P-Binder_B_B3:D7365730 : Ver00.050:00 P-Binder_B_B5:D7365171 : Ver01.020:00
01.050:00	<p><u>Additional Model Information</u> Leo-C1/P1</p>

Reissued: 09-Sep-15

Model: BR-C1/Leo-C1/Leo-P1/Andromeda-P1/BR-P1	Date: 09-Sep-13	No.: RD179038b
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Version	Modified Points or Symptom Corrected
	<p><u>Specification Change</u></p> <ul style="list-style-type: none"> - Supports 178.5mm/s line speed - Supports 700mm length media (in feed direction) - Supports Leo-C1/P1 <p><u>Symptoms Corrected</u></p> <ul style="list-style-type: none"> - The Perfect Binder is not ready but receives jobs from the engine, causing jams at the entrance. - Some of the input checks do not work. - The Perfect Binder stalls, if the job is run immediately after opening and closing the front doors in a low temperature environment, because the glue temperature is not adjusted. - J423 occurs, if the Buffer Pass unit is connected. - J343 occurs when the stacking tray becomes full. - Can not resume the job immediately after removing booklets from a "tacking tray full" status. - Can not start the next job, if the previous job is canceled with the "Stop" key at a particular timing. - Jam occurs, if the cover sheet is fed from the Inserter. - The Perfect Binder stalls, if a jam occurs and the stacking tray becomes full at a particular timing. <p><u>Important Note</u></p> <p>The following firmware must be installed as a set.</p> <p>P-Binder_B_B1:D7365021 :Ver01.160:11 P-Binder_B_B2:D7365071 :Ver01.040:00 P-Binder_B_B3:D7365730 :Ver00.050:00 P-Binder_B_B4:D7365121 :Ver01.050:00 P-Binder_B_B5:D7365171 :Ver01.020:00</p>
1.01:00	1st Mass production

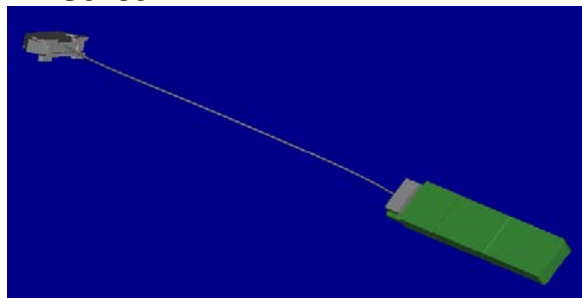
Model: Baron-C1/P1		Date: 4-Sep-18	No.: RD179140
Subject: Parts catalog revision – TD sensor		Prepared by: J. Ohno	
From: Sales Strategy Sect., 1st CP Business Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 0.5

The TD sensor was registered as a service part to meet requests received from the field.

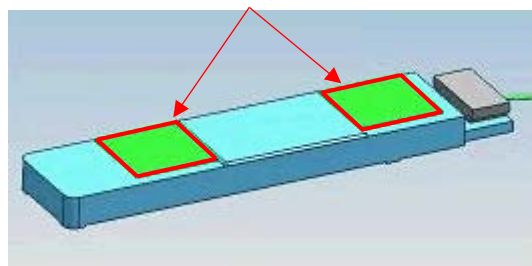
Old P/N	New P/N	Description	Q'ty	Int	Note
-	D2703079	SERVICE PARTS:DENSITY SENSOR:DEVELOPMENT	1	-	Add

Note: Two double-sided seals are included as accessories.

TD Sensor



Accessory Seals (2 pcs)



How to replace the TD sensor

Important:

Work with extreme care and precision when installing the TD sensor.

If the sensor is not in the correct position, the distance between the sensor and the developer contained in the development unit will fluctuate and hinder proper toner density detection, which may cause problems like toner scattering.

Preparation:

The development unit needs to be turned upside down, to replace the TD sensor.
 Make sure to completely remove developer from the development unit in advance.

Model: Baron-C1/P1

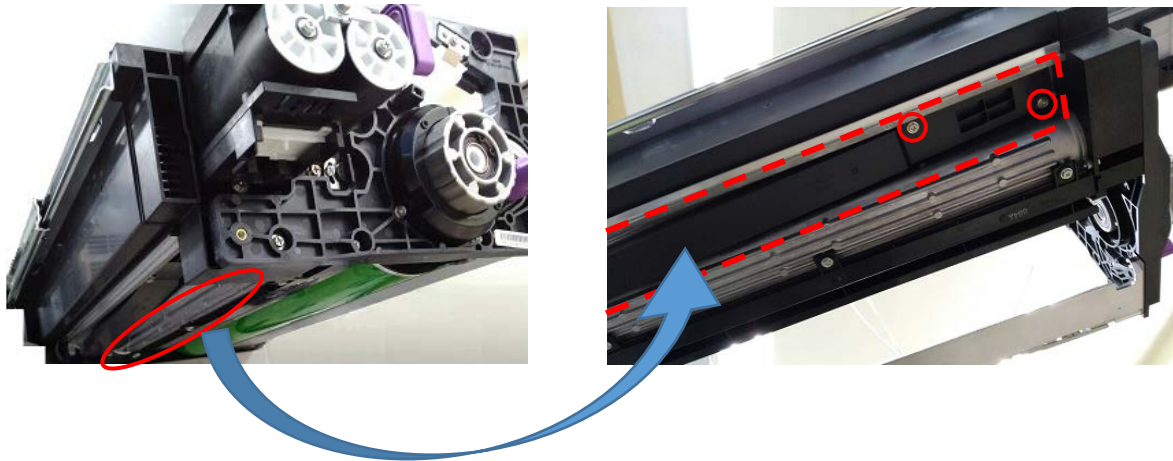
Date: 4-Sep-18

No.: RD179140

1. Remove the development unit. (FSM: page 912)



2. Remove the cover of the TD sensor. (Screw x2)



NOTE: The screwhead of the two screws used for the TD sensor cover tend to strip rather easily. Work with care when removing and reattaching these screws.

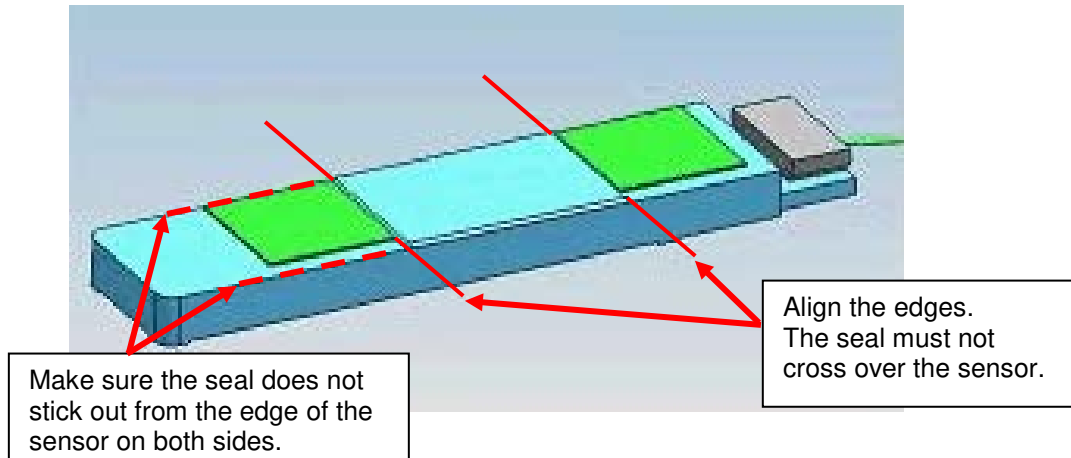
3. Remove the TD sensor from the development unit.
4. Clean the area to where the new seals attach with alcohol for secure attachment of the seals.

Model: Baron-C1/P1

Date: 4-Sep-18

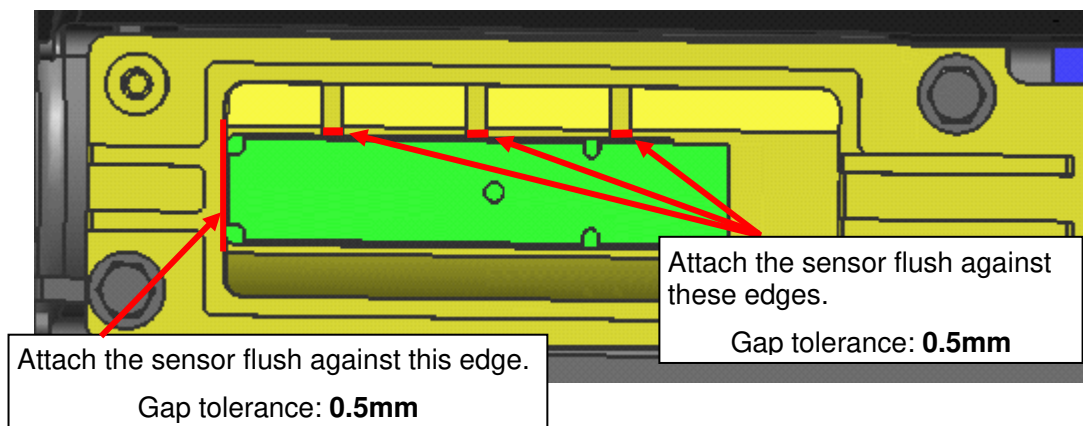
No.: RD179140

5. Attach the two double-side seals by aligning the edges with the edges of the TD sensor.



NOTE: Confirm clean and secure attachment of the seals; no wrinkles and air-bubbles.

6. Clean the surface of the development unit to where the new TD sensor attaches with alcohol and attach the sensor by aligning the edges as shown below.



NOTE: Confirm clean and secure attachment of the TD sensor.

Model: Baron-C1/P1

Date: 4-Sep-18

No.: RD179140

7. Connect the TD sensor harness to the development unit and put back the sensor cover.



NOTE: The TD sensor harness is thin. Work carefully not to catch it when putting back the cover.

8. Put back the development unit.
9. Refill the development unit with new developer. (FSM: page 914)
 - p/n: D1809640 DEVELOPER BLACK
 - p/n: D1793408 DEVELOPER:BARON-C1:148G:ASS'Y

NOTE: Because the development unit is completely empty, make sure to install both of the above developers.

Model: BR-P1		Date: 4-Nov-15	No.: RM263027
Subject: Manual correction - Caution note on PSU replacement		Prepared by: Jun Ohno	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Please add the following caution in the field service manual in this section:
 Replacement and Adjustment > Common Procedures > Controller Box Removal

Parts number	Parts description	
AZ240259	POWER SUPPLY UNIT:ECO:200V:456.4W	PSU-A
AZ240255	POWER SUPPLY UNIT:CH-C1:FW:200V	PSU-B
AZ250059	POWER SUPPLY UNIT:789.6W	PSU-C

Model: BR-P1

Date: 4-Nov-15

No.: RM263027

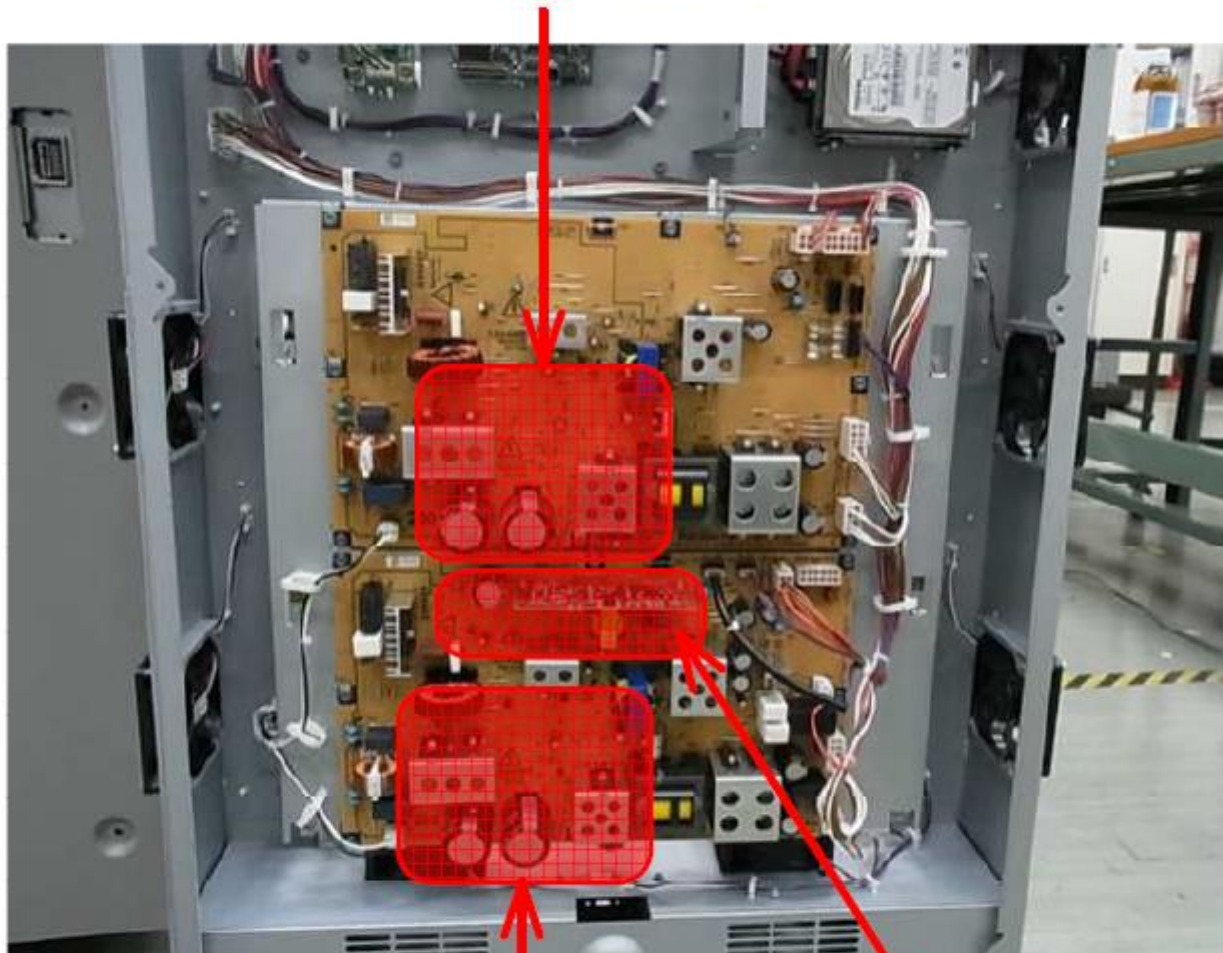
⚠ CAUTION:

NEVER touch the areas outlined in red in the photos below, to prevent electric shock caused by residual charge.

Residual charge of about 100V-400V remains in the AC circuits on the PSU board for several months even when the board has been removed from the machine after turning off the machine power and unplugging the power cord.

The procedure to discharge residual charge from the machine by unplugging the power cord from the AC wall outlet and pressing the main power switch works only for the DC circuits on this board. Residual charge remains in the AC circuits.

AZ240232
PSU-B C9,C75



PSU-A C9,C75

PSU-A C69

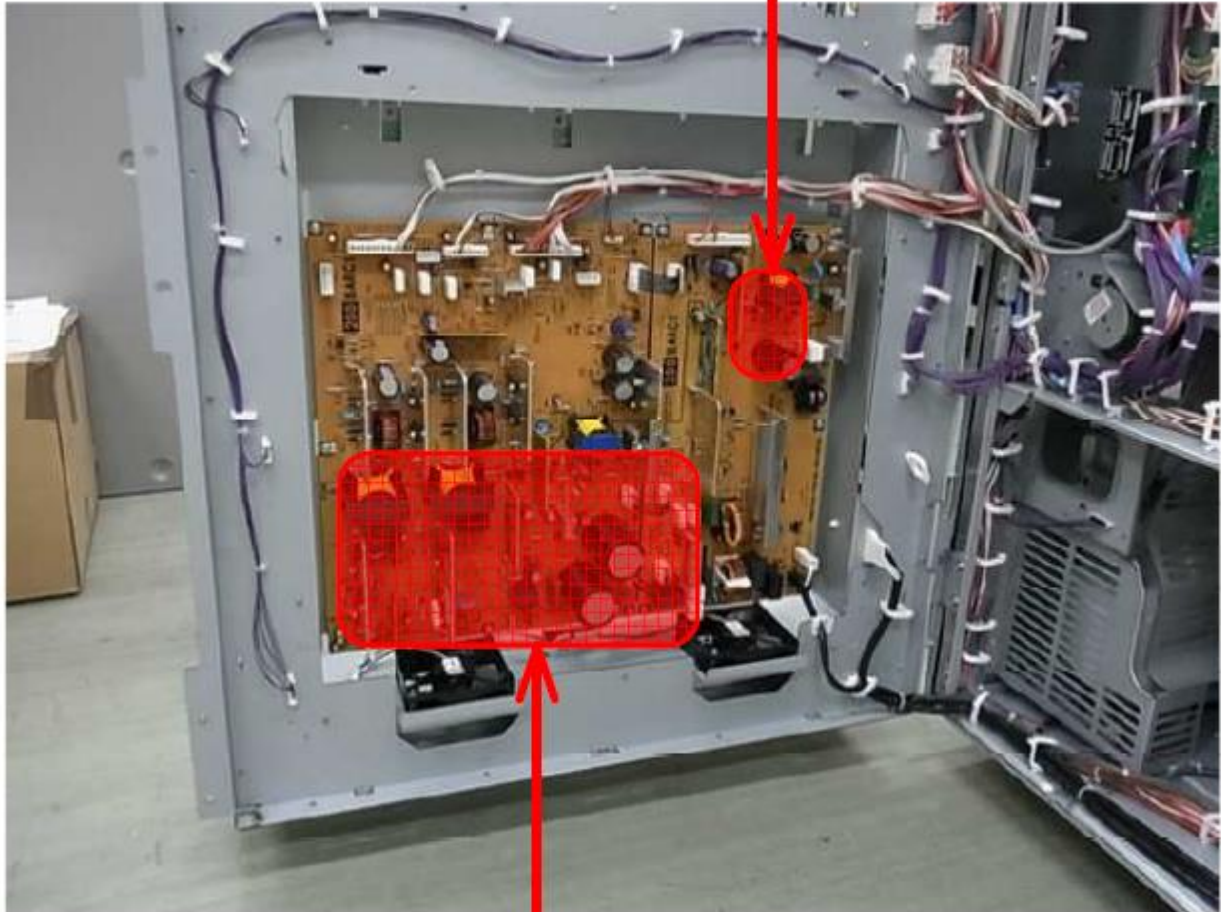
AZ240228

Model: BR-P1

Date: 4-Nov-15

No.: RM263027

AZ250059
PSU-C C510



PSU-C C916,C917
AZ250059

Reissued: 19-Feb-16

Model: Leo-C1/ Leo-P1/ <i>Andromeda-P1/ BR-P1</i>	Date: 03-Feb-15	No.: RD194037a
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RTB Reissue

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

Subject: Firmware Release Note: Fin_IFBox		Prepared by: A.Tajima	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
<i>01.010:02</i>	<i>M4625510A</i>	<i>February 2016 production</i>	<i>Not available</i>
01.000:02	M4625510	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
<i>01.010:02</i>	<i>Specification Change:</i> <i>1. Line speed data is transferred to third party vendor peripherals.</i> <i>Symptom corrected:</i> <i>1. When connected to a third party vendor peripheral, "Printing" status falsely remains displayed on the control panel.</i> <i>2. Falsely sends on-line status to the engine without receiving on-line status from third party vendor peripheral.</i> <i>3. If printing stops during a booklet job (stapling, ring binding, perfect binding) and resumes, part of the job is duplicated.</i> <i>4. Time-out jam (J225) occurs before reaching the set time-out.</i> <i>5. The operation panel does not display the part number of custom RPIP Interface Box Type S3 firmware.</i>
01.000:02	1st Mass production

Reissued: 30-Mar-16

Model: BR-C1/Leo-C1/Leo-P1/BR-P1/Andromeda-P1	Date: 23-Aug-13	No.: RD179019b
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Inserter_INSERTER		Prepared by: J.Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
01.060:03	D7385510C	April 2016 production	Not available
01.050:03	D7385510B	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
01.060:03	Specification Change: - Automatic detection of SRA3 size on EU machines - When 12x18 inch or SRA3 is loaded on the tray of an EU machine, the size is automatically detected as SRA3 instead of 12x18. Note: This automatic size detection will not apply to NA machines.
01.050:03	1st Mass production

Reissued: 09-May-16

Model: Leo-C1/Leo-P1/BR-C1/BR-P1/Andromeda-P1	Date: 11-Dec-14	No.: RD194028b
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: LCT1_LCIT5100		Prepared by: H. Matsui	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **LCT1_LCIT5100**.

Version	Program No.	Effective Date	Availability of RFU
01.040:06	D7775510F_LCT1	April 2016 production	Not available
01.030:06	D7775510E_LCT1	February 2015 production	Not available
01.020:06	D7775510D_LCT1	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
01.040:06	Specification Change: - Automatic detection of SRA3 size on EU machines - When 12x18 inch or SRA3 is loaded on the tray of an EU machine, the size is automatically detected as SRA3 instead of 12x18. Note: 1. This automatic size detection will not apply to NA machines. 2. For Pro 8100EX/8100S/8110S/8120S, Engine F/W should be upgraded to Ver 4.05:08 or newer as a set. 3. For Pro 8110/8120, Engine F/W should be upgraded to Ver 1.05:00 or newer as a set. 4. For Pro C9100/C9110, this automatic size detection will not be activated for Multi Bypass Tray BY5010.
01.030:06	Error Correction: Minor bug fix
01.020:06	1st Mass production

Reissued: 09-May-16

Model: Leo-C1/Leo-P1/BR-C1/BR-P1/Andromeda-P1	Date: 11-Dec-14	No.: RD194029b
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RTB Reissue

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

Subject: Firmware Release Note: LCT2_LCIT5100		Prepared by: H. Matsui	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **LCT2_LCIT5100**.

Version	Program No.	Effective Date	Availability of RFU
01.040:06	D7775510F_LCT2	April 2016 production	Not available
01.030:06	D7775510E_LCT2	February 2015 production	Not available
01.020:06	D7775510D_LCT2	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.

"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
01.040:06	Specification Change: - Automatic detection of SRA3 size on EU machines - When 12x18 inch or SRA3 is loaded on the tray of an EU machine, the size is automatically detected as SRA3 instead of 12x18. Note: 1. This automatic size detection will not apply to NA machines. 2. For Pro 8100EX/8100S/8110S/8120S, Engine F/W should be upgraded to Ver 4.05:08 or newer as a set. 3. For Pro 8110/8120, Engine F/W should be upgraded to Ver 1.05:00 or newer as a set. 4. For Pro C9100/C9110, this automatic size detection will not be activated for Multi Bypass Tray BY5010.
01.030:06	Error Correction: Minor bug fix
01.020:06	1st Mass production

Reissued: 01-Jun-16

Model: BR-C1/Leo-C1/Leo-P1/ <i>BR-P1/Andromeda-P1</i>	Date: 23-Aug-13	No.: RD179018c
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RTB Reissue

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

Subject: Firmware Release Note: Folder_FD5020		Prepared by: J. Ohno	
From: 1st PP Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Folder_FD5020**.

Version	Program No.	Effective Date	Availability of RFU
<i>02.000:04</i>	<i>D7405300F</i>	<i>June 2016 production</i>	<i>Not available</i>
01.030:04	D7405300E	January 2014 production	Not available
01.020:04	D7405300D	December 2013 production	Not available
01.000:04	D7405300C	1st Mass production	Not available

Note: Definition of Availability of RFU via @Remote
"Available": The firmware can be updated via RFU or SD card.

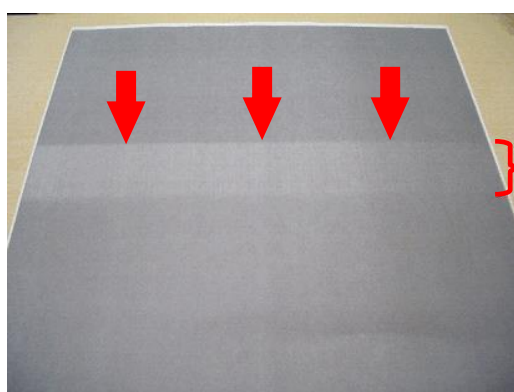
"Not available": The firmware can only be updated via SD card.

Version	Modified Points or Symptom Corrected
<i>02.000:04</i>	<i>Specification Change: Added specification for future model. No effect on the current models.</i>
01.030:04	Symptom corrected: When jams occur in a peripheral connected to the downstream of the Folding unit the operation panel might continue to display "Copying" instead of "Jam."
01.020:04	Error Correction: <ul style="list-style-type: none"> - If the door of the Multi-folder unit is opened during a job, a jam code indicating jammed sheet in the Multi-folder unit appears even if there are no jammed sheets in the unit. - If running multi-fold jobs from the ADF or in Batch mode and the Multi-folder unit door is opened immediately after pressing the # key (to determine the last page of job), the system could freeze.
01.000:04	1st Mass production

Model: BR-P1		Date: 12-Sep-16	No.: RM263028
Subject: Troubleshooting Blurred Image		Prepared by: Jun Ohno	
From: 1st PP Tech Service Sec., PP Tech Service Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

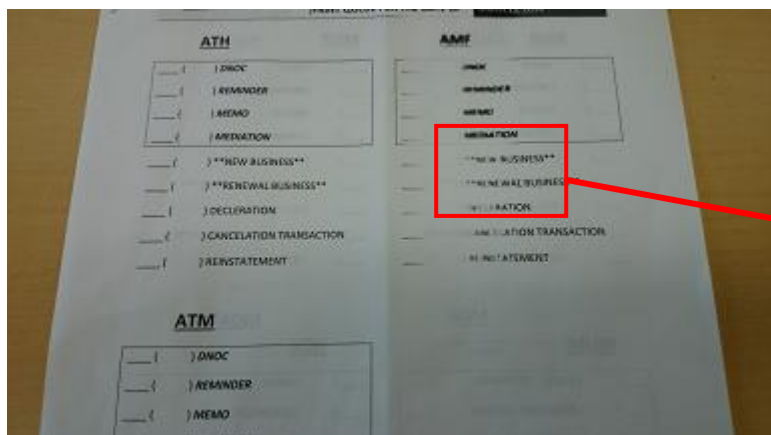
SYMPTOM

Halftone and text images appear low in density or blurred. The symptom is observed across the width of the drum charge unit at intervals corresponding to the drum circumference.

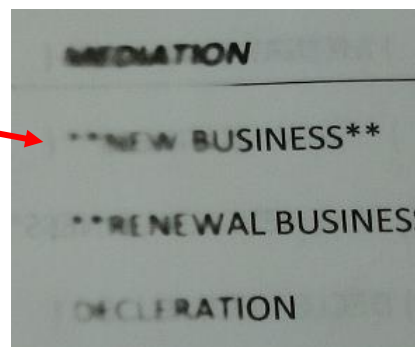


Low density

Width of the drum charge unit



Blurred text image



Note:

In addition to the above symptom, SC401 and dirty background may also occur, if the potential control pattern is created in the affected area during toner supply control (Process Control).

Model: BR-P1

Date: 12-Sep-16

No.: RM263028

CAUSE

NOx (nitrogen oxides) generated in the drum charging process combine with the lubricant powder (zinc stearate) and this absorbs moisture, which adheres to the drum surface, if the machine is left unused for an extended period, causing poor drum charge in the affected area.

SOLUTION

Do the following SP modification and part replacements.

SP modification:

1. Make the following settings to reduce ozone emission and the possible side effects caused by ozone.

SP 3910-004 (for 95cpm model)	: 1500 (default)	→ 1256
SP 3910-014 (for 110cpm model)	: 1746 (default)	→ 1451
SP 3910-024 (for 135cpm model)	: 2222 (default)	→ 1860
SP 3201-002	: 4.5 (default)	→ 3.0
SP 3231-001	: 3.20 (default)	→ 3.62

2. Update the Engine firmware to Ver.1.03:00 or later.

As a solution to the Blurred Image problem, the threshold that triggers the automatic operation of "Clear blurred image" in Strong mode was revised.

3. Set the SP value for the Clear blurred image mode as follows:

SP2810-005 : 360 (default) → 120

This setting will automatically execute 'Clear blurred image' if the machine is left unused for 2 hours.

SP2810-006 : Current value → 11

This setting will automatically execute 'Clear blurred image' even when the machine is operated in medium temp/medium RH environment.

Note:

If the following SP are not set to the default setting, retrieve the default setting.

- SP2810-001 : Current value → 1 (default)
- SP3533-001 : Current value → 4000 (default)

Model: BR-P1	Date: 12-Sep-16	No.: RM263028
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Parts replacements:

New spring for the drum lubricant

Old p/n	New p/n	Description	Q'ty	Int	Note
D1793503	D1793504	CLEANING UNIT:ASS'Y	1	X/O	Change
D1793608	D1793607	CLEANING UNIT:APPLY:ASS'Y	1	X/O	Change
D1793626	D1793627	TENSION SPRING:COATING BAR:5N	2	X/O	Change

Replacing the 7N spring with the new 5N spring will apply the optimum amount of lubrication to the drum. See the following section of the Model BR-C1/P1 FSM for the spring replacement procedure:

4. Replacement and Adjustment > Around the Drum > Drum Cleaning Unit > Drum Lubricant Bar

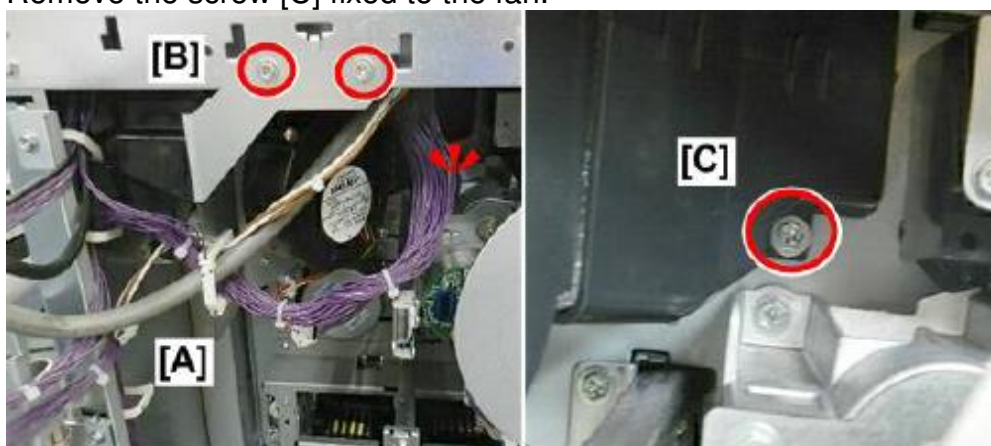
New Mylar sheet to improve airflow in the charge unit

Old p/n	New p/n	Description	Q'ty	Int	Note
-	D1792217	SHEET:DUCT:VACUUM:SHUTTER	1	-	Add

Adding this Mylar sheet to the entrance of the charge unit intake fan strengthens the performance of the fan in removing NOx.

How to attach the Mylar sheet:

1. Open the controller box.
2. At the bottom right (viewed from the rear), release the purple harnesses [A].
3. Remove the bracket [B].
4. Remove the screw [C] fixed to the fan.



Model: BR-P1

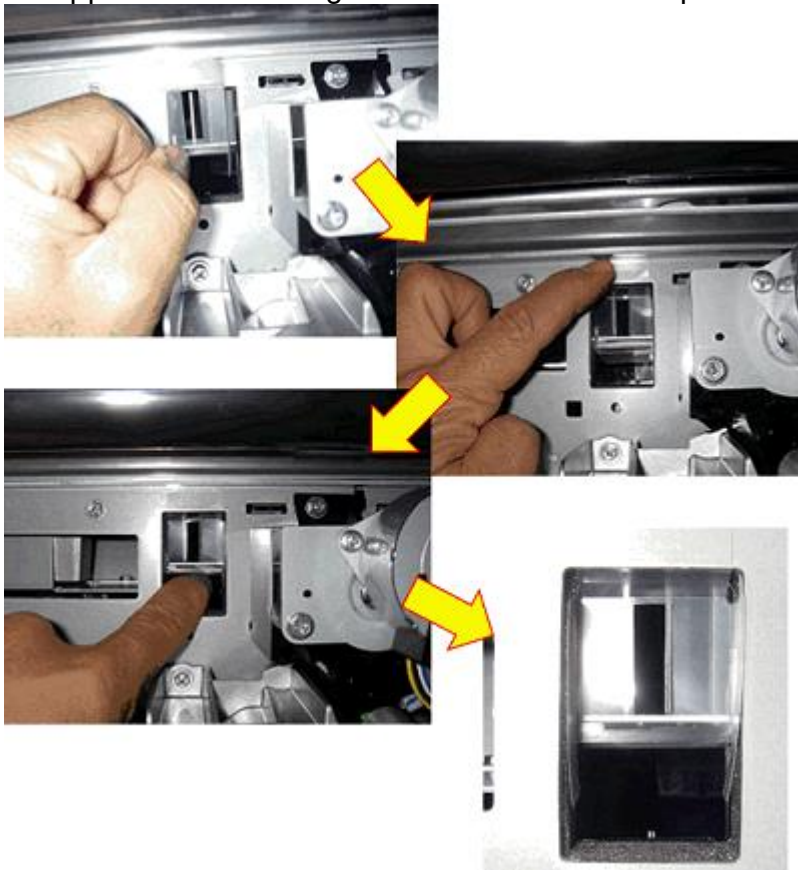
Date: 12-Sep-16

No.: RM263028

5. Remove the bracket together with the Ozone Air Intake fan.



6. Attach the Mylar sheet (double-sided tape) to the opening of the charge unit that appears after having removed the fan in the previous step.



Model: BR-P1

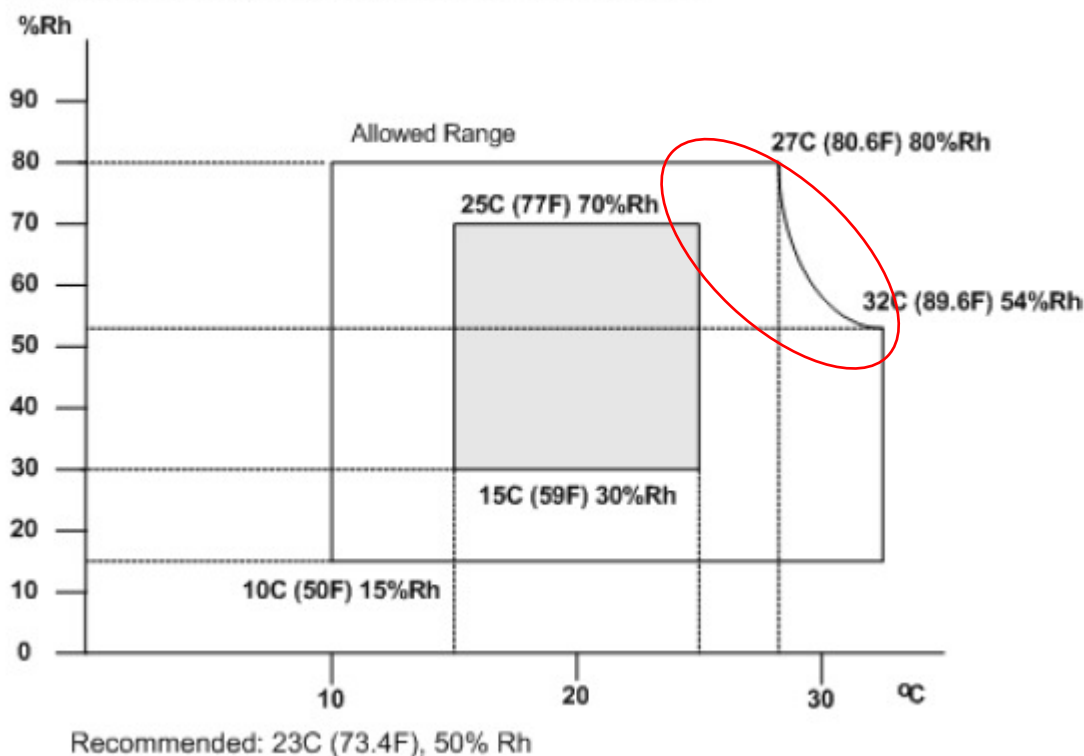
Date: 12-Sep-16

No.: RM263028

-Additional procedures for further reliability-

For machines installed in an environment close to the upper limit (circled in red in the diagram below), do the procedure below in addition the procedure on the previous pages.

Recommended Temperature/Humidity Range for Operation



SP modification:

Make the following SP settings, which will increase the airflow around the charge unit and further remove ozone.

SP 1945-012 : 20 (default) → 100

SP 1945-014 : 60 (default) → 100

Model: BR-P1	Date: 12-Sep-16	No.: RM263028
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New part:

New filter to reduce ozone emission

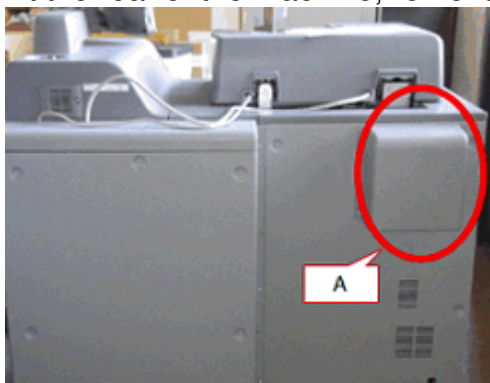
Old p/n	New p/n	Description	Q'ty	Int	Note
-	D1791573	OZONE FILTER:EXHAUST:PAPER EXIT SUB-UNIT	1	-	Add

p/n: D1791573



How to install the filter:

1. At the rear of the machine, remove the vent cover [A].



2. Remove the liner from the double-sided tape on the ozone filter and attach the filter to the reverse side of the vent cover.



Model:BR-P1		Date: 16-Oct-17	No.: RM263029
Subject: Parts information - Development Unit		Prepared by: Rie Shohda	
From: Sales Strategy Sect., 1st CP Business Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

The development unit for Baron-P1 and Baron-P2 have become common. The new type for Baron-P2 was modified to prevent “dirty background.”

When replacing the development unit for Baron-P1, please procure the below.

Old P/N	New P/N	Description
D1792429	D2702428	SERVICE PARTS:DEVELOPMENT UNIT:C2:ASS'Y

The above information will be announced in PCIL and 3DPC at the following timing:

- PCIL in October 2017
- 3DPC in November 2017

Model: BR-P1		Date: 26-Mar-18	No.: RM263030
Subject: PM parts replacement alert message spec		Prepared by: R. Shohda	
From: 1st Tech Service Sect., PP Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input checked="" type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

Notice Regarding PM Alert Banner Message

Specification of the PM parts replacement alert banner message that appears on the operation panel for the following parts is not explained in the FSM and has caused confusion in the field. This bulletin clarifies on this point.

- Coating Bar
- #Fuser Cleaning Unit
- Toner Corrector Bottle
- Trimming Unit

SP5062 provides the option to choose whether or not to display the PM parts replacement alert (0: Not display, 1: Display).

However, by spec, the alert message will appear for the above parts regardless of the SP5062 setting, because these are critical components to maintain machine operation.

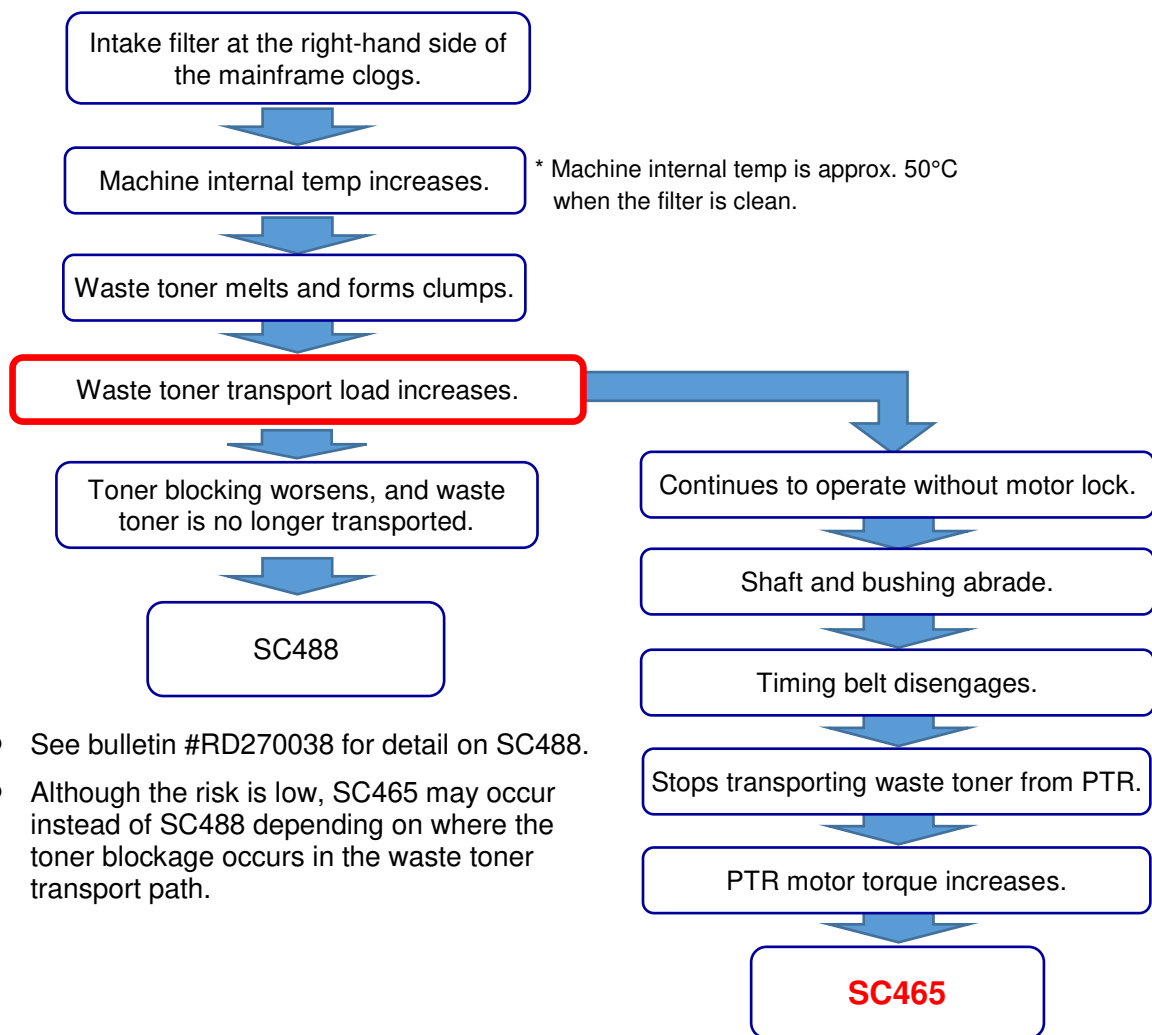
Note that the machine will automatically stop if they are not replaced at the appropriate timing.

Model: BR-P1		Date: 9-Oct-18	No.: RM263031
Subject: Troubleshooting SC465		Prepared by: Youngsoo Lim	
From: Sales Strategy Section, 1st CP Business Department			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2 <input type="checkbox"/> Tier 0.5

SYMPTOM

SC465 (PTR motor error)

CAUSE



- See bulletin #RD270038 for detail on SC488.
- Although the risk is low, SC465 may occur instead of SC488 depending on where the toner blockage occurs in the waste toner transport path.

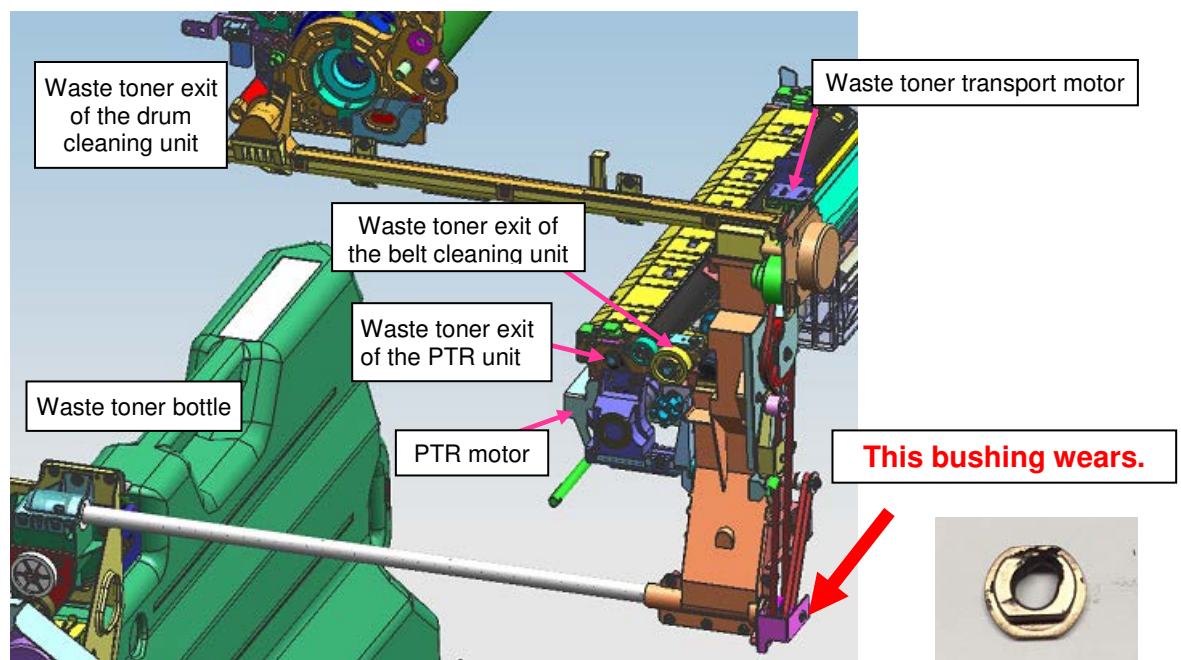
Model: BR-P1

Date: 9-Oct-18

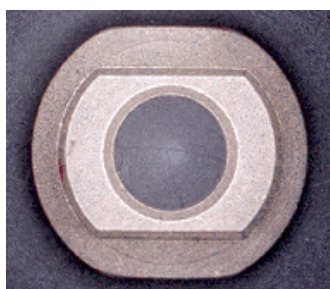
No.: RM263031

The following conditions increase the risk of the symptom:

- High room temperature
- The machine is installed close to the wall with hardly any or no space at all.
- The machine generates high print volume.
- Intake filter at the right-hand side of the mainframe is clogged.
- The machine experienced SC488 in the past. The waste toner transport unit and bushing were not replaced at that time.



Reference: The photos below show bushings at various stages for reference.

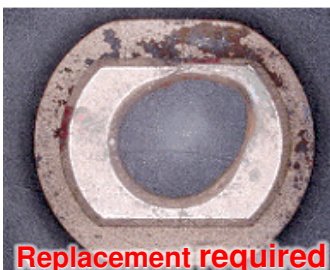


Brand new



After approx. 20,000k
(normal transport load)

No need to replace



After approx.
20,000k (high
transport load)

Replacement required



After approx. 30,000k
(SC465 confirmed)

Replacement required

Model: BR-P1

Date: 9-Oct-18

No.: RM263031

SOLUTION

- Check the above bushing (p/n: B1202063). If it is abraded and requires replacement, replace it together with the waste toner unit (p/n: D1796528).

Request

- Please monitor all machines regardless of whether the bushing was found abraded or not, until you confirm that the machine does not generate the SC.

Affected units:

The above solution and request applies to all Baron-1 and Baron-2 units that have exceeded a total print volume of 20,000k.