

Model: BR-P2	Date: 10-Nov-16	No.: RM0AA002
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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
12.77	M0AA5788A	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
12.77	1st Mass production

Model: BR-P2	Date: 10-Nov-16	No.: RM0AA004
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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"/> 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 **PowerSaving Sys.**

Version	Program No.	Effective Date	Availability of RFU
1.26	M0AA5783	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

Model: BR-P2	Date: 10-Nov-16	No.: RM0AA009
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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	D3DV5783	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-P2		Date: 7-Nov-16	No.: RM0AA011
Subject: Request for Firmware Update at new site install (Baron-P2)		Prepared by: J. 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 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 checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier2

REQUEST: When installing the Baron-P2 (Pro 8210/8220), please update the firmware to the versions listed below or newer and make SP modifications as described on the following page.

Pro 8210, Pro 8220 (Printer model)

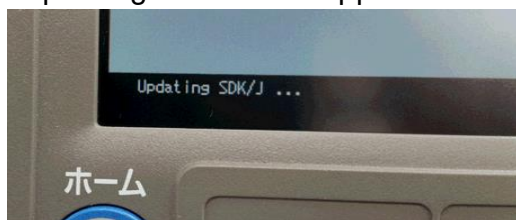
Description	Current ver.	Update ver.
Engine	1.01	1.2
System	1.01	1.02
Network Support	12.76	12.77
Printer	1.00	1.02
OpePanel	1.02	1.03
Java VM v11 for eDC	11.34.00	11.35.01

Note: Java firmware must be installed separately.

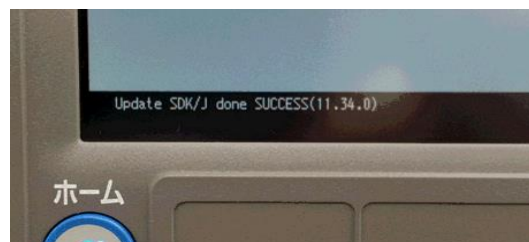
Java firmware update procedure

1. Download the Java firmware onto a separate SD card.
2. Insert the SD card into the lower slot and turn On the machine power.

"Updating SDK/J" will appear after about 30 seconds.



"SDK/J update done SUCCESS (new version number)" will appear after about 180 seconds.



Model: BR-P2

Date: 7-Nov-16

No.: RM0AA011

SP value change

After updating the firmware, power cycle the machine OFF/ON and change these SP settings as follows:

- SP3-533-003: 0.50 → **1.00**
- SP3-534-003: 0.74 → **0.50**

REASON: The latest firmware could not be installed to the first lot of the mass production units due to the delay in development of the Baron-P2 firmware. To minimize the impact on product launch schedule, the machines were shipped without the latest firmware installed.

S/N of Affected Units by Product Code

NA model: 33 units in total / EU model: 7 units in total

Product Code	Serial No. from-to
M0AA17	Y666C9000 01 - 06
	Y666CA000 01 - 04
M0AB17	Y676C9000 01 - 16
	Y676CA000 01 - 07

Product Code	Serial No. from-to
M0AB27	Y676CA300 01 - 07

Model: BR-C2/P2		Date: 23-Jan-17	No.: RD270021
Subject: FSM Correction: Fiery Controller Setup SP Value		Prepared by: Y. Lim	
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

Please make the following corrections to your FSM in this section:

Installation → Fiery Controller Connection and Setup → Fiery Controller Setup

Fiery Controller Setup

Fiery Controller Selection

1. Enter the SP mode.
2. Set SP5193-001 to "6" (Fiery controller).

Fiery Language Selection

If the operator wants to use a language other than English to operate the Fiery controller, the language selection must be done first. To select a different language, the Fiery system must be re-installed. For details, the Field Service Manual for the Color Controller: EB-34.

SP Setting

Wrong:

Set SP5193-001 to "6" (Fiery controller).

Correct:

Set SP5193-001 to "1" (Fiery controller).

For more detail, refer to "Printer Controller EB-34 Installation and Service Guide."

Product Name

Wrong:

Color Controller: EB-34

Correct:

Printer Controller EB-34

Model: BR-P2	Date: 07-Feb-17	No.: RM0AA018
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Subject: Firmware Release Note: Option IPDS		Prepared by: J. 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 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
8.636	D3DV5785	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
8.636	<p>1st mass production</p> <p>Note:</p> <p>To ensure IPDS certification, Option IPDS (Ver.8.636) must be used in combination with the following module.</p> <p>Module:</p> <p>Printer Ver.1.04 or later (p/n: M0AA5790B)</p> <p>System Ver.1.02 or later (p/n: M0AA5780B)</p> <p>Network Support Ver.12.77 or later (p/n: M0AA5788A)</p> <p>Web Support Ver.1.02 or later (p/n: M0AA5784B)</p>

Reissued: 02-Mar-17

Model: Brz-P1, Brz-MF1, BR-C2, BR-P2, CH-C1 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
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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:	<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 **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

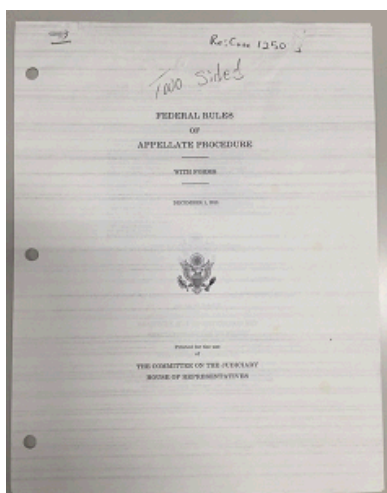
Model: BR-P2		Date: 23-Oct-17	No.: RM0AA019
Subject: Troubleshooting of Black streaks after long leave with unprinted		Prepared by: Youngsoo Lim	
From: Sales Strategy Sect., 1st CP Business Dept.			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier2

SYMPTOM

Black streaks on paper feed direction.

Black streaks appears on a couple of pages when it resumes the jobs after long leave without printing.

Note 1: Black streaks disappear after a few sheets have been printed.

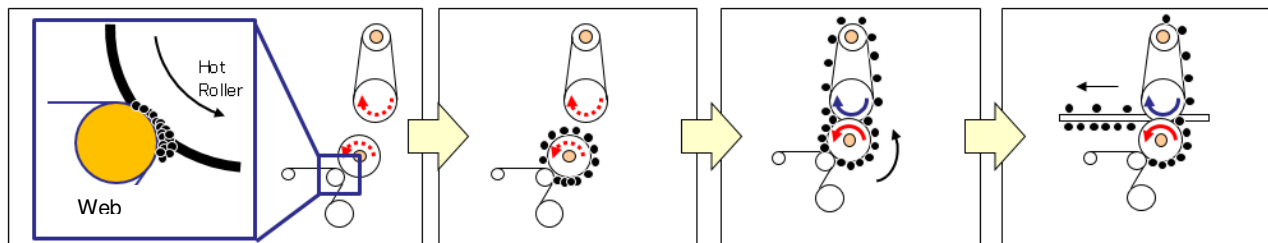


CAUSE

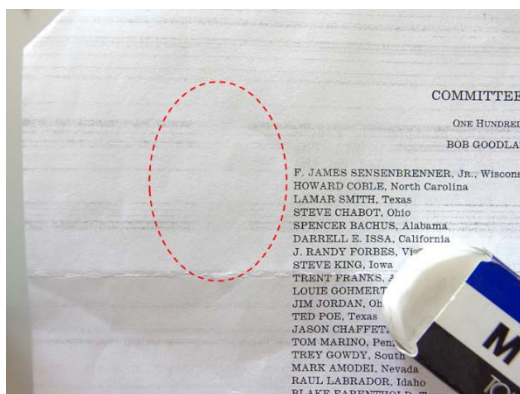
Under the conditions described below, the surface layer of the pressure roller rubs against the web and is scraped. And the abrasive powder passes through the web, accumulates on the pressure roller, and is transferred to the sheet.

- The machine is used for the first time in a long while, or first thing in the morning.
- The Low power Mode Timer is set to a value longer than 1 hour.
- The average monthly copy volume is less than 30,000 pages with A4/LT conversion.
- The pages per job ratio of in between "1 page per job" to "20 pages per job" are more than 75 percentage against all jobs.

Note 2: While the machine is in the Ready (stand-by) condition, the web roller is stationary while the pressure roller is rotated. A certain amount of shavings from the pressure roller are transferred to the web roller, but this is normally not visible.



Note 3: If the streaks can be wiped off easily with an eraser, they are caused by the CAUSE explained above (as the streaks are not toner). The roller shavings will also rub off easily onto your finger. If not, the cause is different.



SOLUTION

1. Set the Low Power Mode Timer to a value of less than 60 minutes.

Default setting (= **15** minutes) is recommended.

2. Set the SP values as follows, if solution #1 does not resolve the Black streaks.
 - 1) SP1-902-031 (Standby: Web Operation Time) :99999 (Default) to **30** [sec]
 - 2) SP1-902-032 (Standby: Web Rotation times) : 1(Default) to **9** [times]

Note 4: Due to the SP change, the web operates every 30 sec as the standby temperature maintenance rotation time.
The number of times 9 is the times are taken up on the dirt surface of the web nip onto the new surface.

Note 5: As the side-effects, the life of the web becomes shorter with the SP change, and it depends on how it is used. But, it may be about half of the life.

Model: BR-P2

Date: 23-Oct-17

No.: RM0AA019

Note 6: “D0744330 WEB:SUB-ASS'Y” recommended as the solution in the RTB RD179124 for Baron-C1/P1 is not used for Baron-C2/P2.

[Clue of Extend the Web life]

Web life can be extended with changing the SP setting.

Case 1: Set SP1-902-031 to 60 from 30, if Black streaks are resolved with the Resolution instructed above. Web life may be extended to 75 %.

Make sure no Black streaks are observed with this setting.

Case2: Set the SP1-902-031 to 90 from 60 to extend the life further, if Black streaks are not observed with the setting above in Case 1. Web life may be extended to 85 %.

Make sure no Black streaks are observed with this condition.

Note 7: Advice the customer not to leave the machine in a Paper End, output full, or error status for a long time. This is because under this condition, machine stays in the Ready condition and will not switch to Low Power Mode (it will switch only when the condition is cleared). This is especially important for machines that operate at night unattended.

Model: BR-P2		Date: 26-Mar-18	No.: RM0AA020
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-P2		Date: 18-Sep-18	No.: RM0AA021
Subject: Jam J031 with worn drive gear		Prepared by: Y, Tanimoto	
From: PPCS Section, CIP PQM Department, QAC			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input checked="" 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 checked="" type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input type="checkbox"/> Tier 2

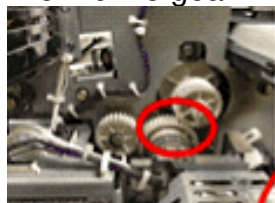
SYMPTOM

Paper Jam J031 (Transfer timing sensor)
(The information is the same as Baron P1 and P2.)

The drive gear of the Registration Gate Roller wears, and jam J031 occurs because of a backrush.

Note: This symptom only occurs in rare cases.

Worn drive gear



(Registration Gate Roller)

CAUSE

After printing over 15,000K pages, this drive gear might wear.

SOLUTION

- If J031 seems to occur twice a day, please check this gear.
- Replace 3 drive gears with new one.

See PROCEDURE below.

Part information

P/N	Description	Other
D1792758	GEAR:Z41:TIMING PULLEY:T41	Service Part
AB014243	GEAR:IDLER:Z30	Service Part
BB013040	GEAR:SHIFT:ROLLER:Z30	Service Part

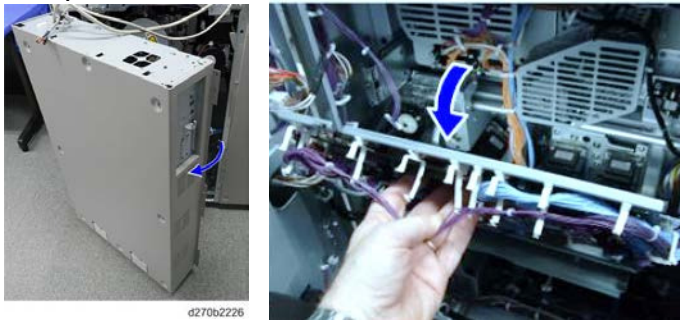
Model: BR-P2

Date: 18-Sep-18

No.: RM0AA021

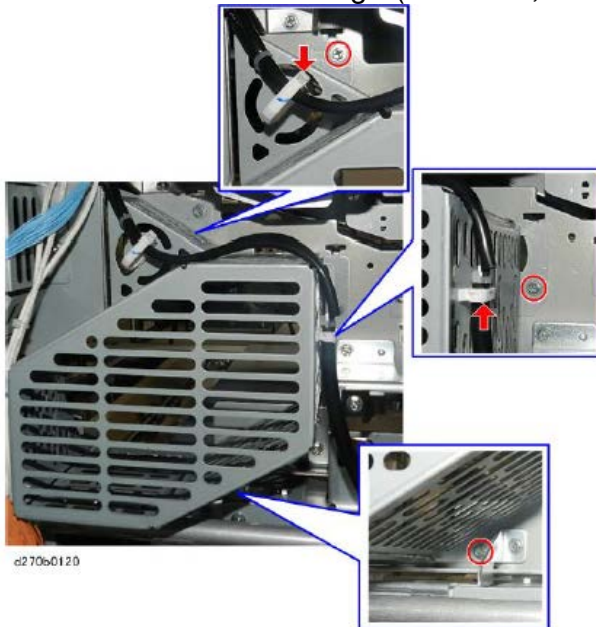
PROCEDURE

1. Open the controller box and lower IOB



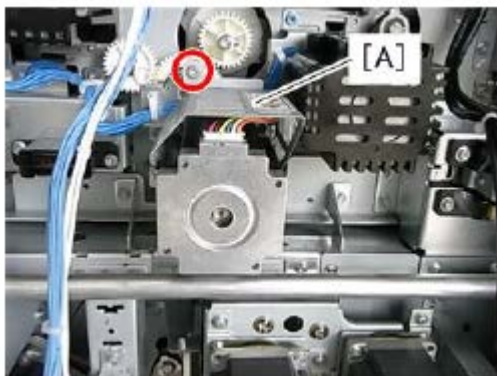
d270b2226

2. Remove the harness cage (screw x3, clump x1).

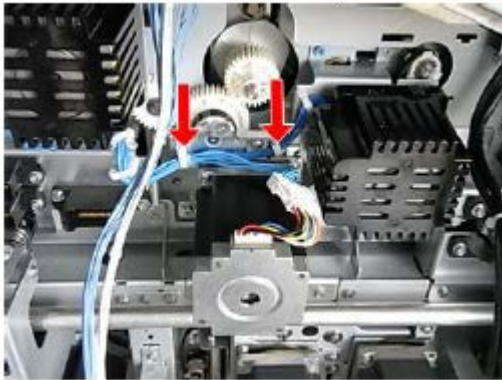


d270b0120

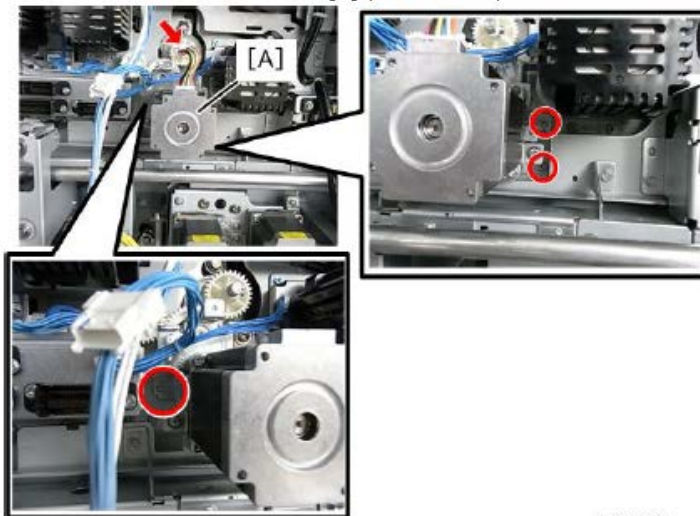
3. Remove the cover [A].



4. Disconnect the harness (connector x2).

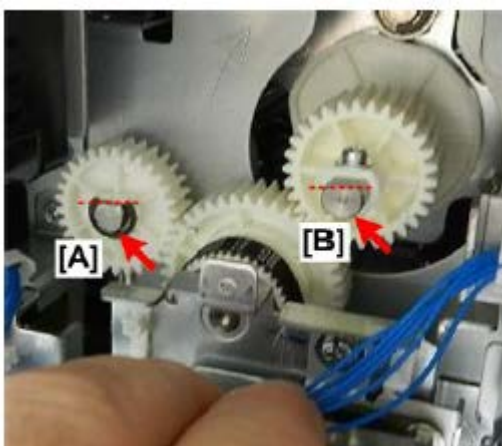


5. Remove the bracket together with the motor (screw x3, connector x1).



44700199

6. Replace Gear [A] (AB014243) and Gear [B] (BB013040) with new ones (E ring x1 screw x1).



Note: The center gear with its bracket was removed in step 5.

7. Remove the gear (E-ring x1).

Model: BR-P2

Date: 18-Sep-18

No.: RM0AA021



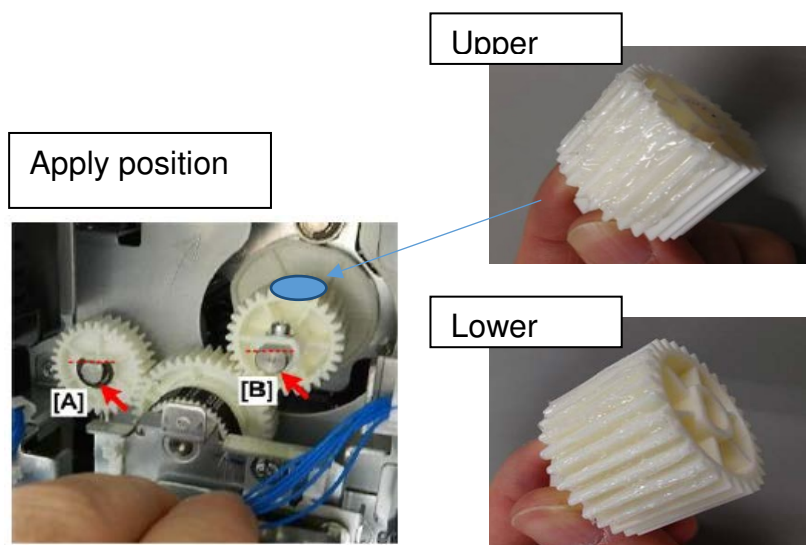
8. Replace with new gear (D1792758).



9. Reassemble the removed parts in the reverse order

Note:

When re-attaching the motor bracket to the mainframe, make sure that the both flat side [A] and [B] of two shafts are up and level with one other. Then, apply silicone grease G-501 (0.55g) to the gear [B] referencing the picture below.

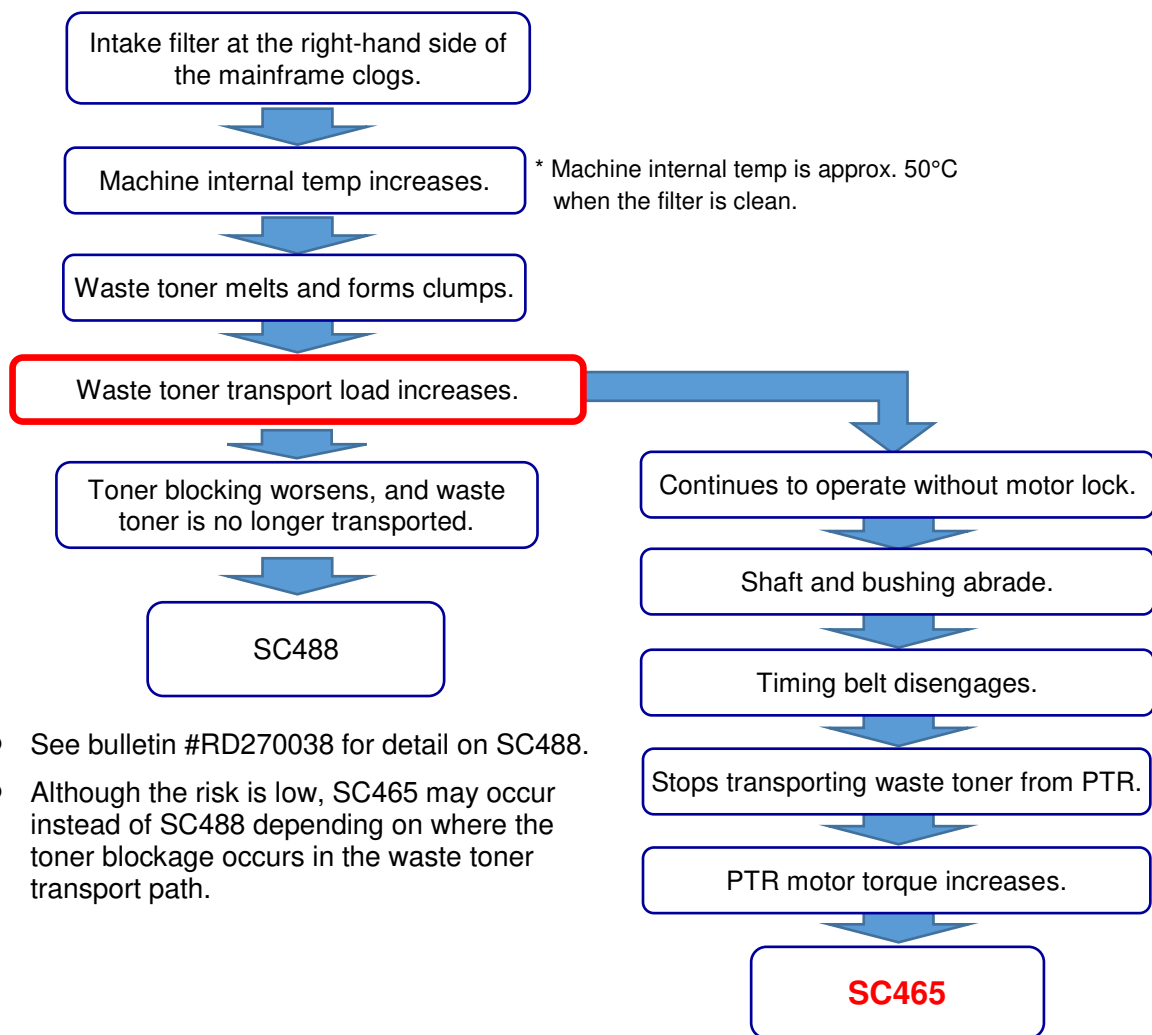


Model: BR-P2		Date: 9-Oct-18	No.: RM0AA022
Subject: Troubleshooting SC465		Prepared by: Youngsoo Lim	
From: Sales Strategy Section, 1st CP Business Department			
Classification:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <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.

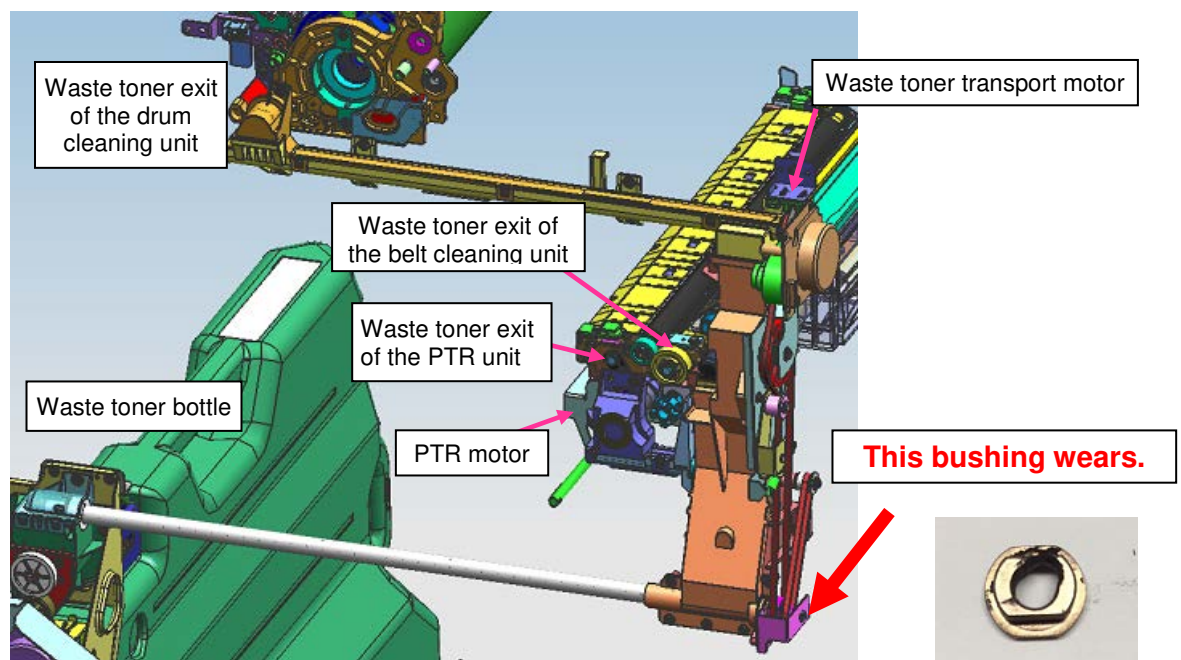
Model: BR-P2

Date: 9-Oct-18

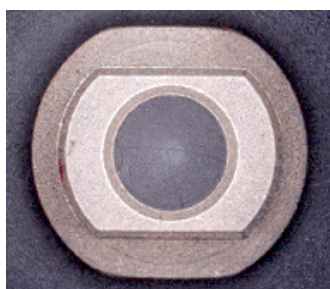
No.: RM0AA022

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.



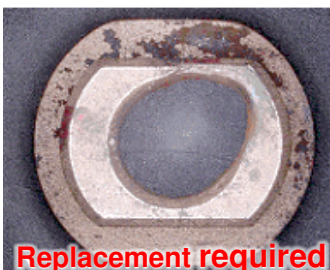
Reference: The photos below show bushings at various stages for reference.



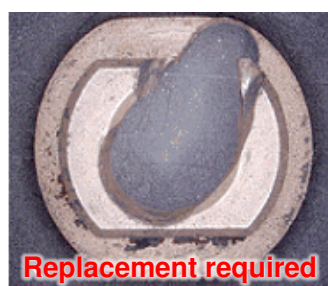
Brand new



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



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



After approx. 30,000k
(SC465 confirmed)

Model: BR-P2

Date: 9-Oct-18

No.: RM0AA022

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.

Technical Bulletin

PAGE: 1/1

Model: BR-P2		Date: 11-Jan-19	No.: RM0AA023
Subject: Request to modify Toner Refresh SP setting		Prepared by: Y. Lim	
From: Sales Strategy Section, 1st CP Business Dep.			
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 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

Requested Action

At your next service visit, change the value of **SP3-820-001** from **3% to 2%**.

Background / Reason

To improve print quality, the 'Toner Refresh' threshold was changed in production for Pro 8200/8210/8220 from 2% to 3%. However, tests have proven that fair print quality is achievable even with the Toner Refresh threshold set at 2%. This helps save toner consumption.

As mentioned in bulletin #RD270036 regarding 'Clear blurred image' operation, make sure to update Engine firmware to version **2.01:02**. This firmware changes the default temperature to trigger the 'Clear blurred image' operation (SP2-810-003:27 to 32 and SP2-810-009: 25 to 32), which also saves toner consumption.