Reissued: 05-Jan-11

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097001d

RTB Reissue

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

Subject: Firmware Release Note: Engine			Prepared by: H.kawamura
From: PPBG Service Planning 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
1.006:12	***D0975252D***	***December 2010 production***	***Not available***
1.005:12	D0975252C	October 2010 production	Available
1.004:12	D0975252B	July 2010 production	Available
1.003:12	D0975252A	April 2010 production	Available
1.000:12	D0975252	1st Mass production	Available

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

<table>
<tr><th>Version</th><th>Modified Points or Symptoms Corrected</th></tr>
<tr><td>1.006:12</td><td>
<u>Modified Points:</u>
Paper sizes for the straight paper path (non-booklet making jobs) on the Plockmatic(BK5010e) previously limited to SRA3 and 12" x 18" are now also available with customer paper sizes.
(This new function is available when applying the new SF5000 firmware together with all the firmwares listed below. The new SR5000 firmware is scheduled for release in late January 2011.)
Clearance of the fusing unit PM counter used to automatically clear the oil filter PM counter. This counter will not be cleared filter even when clearing the fusing unit PM counter.
Please refer to <Appendix 1> for update procedures.
Make sure to follow the procedures when updating.
<u>Apply condition:</u>
Firmwares below to be applied together as a set.

<table>
<tr><td colspan="3">Aries Lt C1</td></tr>
<tr><td></td><td>Programme number</td><td>Version</td></tr>
<tr><td>Engine</td><td>D0975252D</td><td>1.006:12</td></tr>
<tr><td>System/ Copy</td><td>D0976091A</td><td>1.05</td></tr>
<tr><td>System/ Copy
(For French, instead of the above system, please use this one)</td><td>D0976092</td><td>1.05</td></tr>
<tr><td>Websys</td><td>D0166093C</td><td>1.04</td></tr>
</table>
</td></tr>
</table>

Reissued: 05-Jan-11

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097001d

Version	Modified Points or Symptoms Corrected
	Webuapl ***D0166095D*** ***1.13*** ***Scanner*** ***D0166097C*** ***1.06*** ***Install tool*** ***D0166099C*** ***1.02*** ***OpePanel (NA)*** ***G1785975D*** ***1.07*** ***OpePanel(EU)*** ***G1785976D*** ***1.06*** ***Language Install*** ***G1785980B*** ***1.07***
1.005:12	Modified Points: 1. Opening/closing Tray 2 during a job using Tray 1 causes to generate SC990 due to the system disabled to correctly recognize the air-assist OFF signal. Ex) Air-assist ON signal is sent to both Trays 1 & 2 upon the start of a job using Tray 2. However, if Tray 2 is opened/closed while a job is being run using Tray 1, air-assist of Tray 2 is turned OFF. If switched to a job requiring air-assist on Tray 2 in this condition, SC990 is generated as the air-assist of Tray 2 has been turned OFF. 2. If paper end happens to occur right when a job is switched from a staple tray job to a shift tray job, the system runs idle and cannot recover.
1.004:12	Modified Points: 1. When a jam occurs, areas around the imaging creation could run idle and maintain idle status. Take note that default settings for “Special 3” and “Special 6” will be rewritten if the engine firmware is upgraded to version 1.003:12 or newer. See RTB No.RM078005 for details.
1.003:12	Modified Points: 1. Threshold value of the Toner Refresh Mode has been modified. 2. Cover Interposer’s PM Counter was not counting the jobs. 3. Cover Interposer’s “Pick Counter:End Std Value” has been corrected. 4. “Page Counter:End Std Value” of the PM parts have been corrected. 5. Abnormal image; falsely generated stripe pattern 6. Modification of SP values to resolve black color printed in low density 7. Modification of fuser related SP values (in reference to Modified Point 1) Although the same threshold value of the Aegis is applied for toner refresh mode, the Aegis Light tends to collect more toner causing a shorter replacement interval of the waste toner bottle. The values below have been changed to compensate this difference. Tnr Refresh Mode DFU Image Area: K SP3701-001: 12.5 -> 10 Tnr Refresh Mode DFU Image Area Thresh: K SP3701-005: 12.5 -> 10 (in reference to Modified Point 3) The incorrect values in “Pick Counter:End Std Value” have been corrected as

Reissued: 05-Jan-11

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097001d

Version	Modified Points or Symptoms Corrected
	follows: SP7952-186～188 : 600K -> 60K SP7952-190～192 : 600K -> 60K <u>(in reference to Modified Point 4)</u> The incorrect values in “Page Counter:End Std Value” have been corrected as follows: Image Transfer Roller: Y SP7951-092 : 640,000->800,000 Image Transfer Roller: M SP7951-093 : 640,000->800,000 Image Transfer Roller: C SP7951-094 : 640,000->800,000 Image Transfer Roller: K SP7951-095 : 640,000->800,000 ITB SP7951-096 : 1,280,000->1,600,000 ITB Bias Roller SP7951-097 : 640,000->800,000 <u>Conditions generating the stripes (in reference to Modified Point 5)</u> Process Control is executed when the machine goes into Stand-by mode either after continuously printing low coverage images or running the developer unit in idle, both which are conditions where the developer unit contains deteriorated developer. If abnormal toner density is detected in this Process Control, Toner Refresh Mode is executed automatically to dispose of deteriorated toner. Stripes appear on the output because the toner is falsely put on the sheets instead of the ITB for disposal. Occurrence rate of this symptom is very low. <u>Default SP values changed for countermeasure of low density of black (in reference to Modified Point 6)</u> - 3-501-010: 0 -> 1 - 3-561-031: -0.2 -> -0.05 - 3-561-032: -0.1 -> 0.1 - 3-561-033: 0 -> 0.3 - 3-561-034: 0 ->0.3 - 3-561-035: 0.12 -> 024 <u>IMPORTANT information (in reference to Modified Point 7)</u> Fuser related SP default values have been modified on this firmware. Please make sure to follow the below procedure when applying the firmware. a. Confirm whether the customer applies Special 3 or Special 6. b. If applied, print out SMC report. c. Upgrade the firmware. d. Re-input the fuser related values for the following SP settings by referring to the SMC report. SP1-105- 208,209,210,211,212,213,214,215,218,219,220,221,222,223,224,225,226,227 SP1-108- 063,064,065,066,067,068,069,070,071,072,073,074,075,076,077,078,079,080, 081,082,083,084 SP1-905- 048,049,050,114,115,116 SP1-909- 057,058,059,060,061,074,076,077,078,079

Reissued: 05-Jan-11

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097001d

Version	Modified Points or Symptoms Corrected
1.000:12	1st Mass production

Reissued: 26-Jun-13

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097002b

RTB Reissue

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

Subject: Firmware Release Note: System/Copy			Prepared by: T. Miyamoto
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 **System/Copy.**

Version	Program No.	Effective Date	Availability of RFU
1.06ARI	***D0976091B***	***May 2013 production***	***Not available***
1.05ARI	D0976091A	December 2010 production	Not available
1.04ARI	D0976091	1st Mass production	Available

FRANCE

Version	Program No.	Effective Date	Availability of RFU
105AR_F	D0976092	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.

<table>
<tr><th>Version</th><th>Modified Points or Symptom Corrected</th></tr>
<tr><td>1.06ARI</td><td>
<u>Modified Points:</u>
1. Scan to folder fails with Mac OS X 10.7(Lion) and 10.8(Mountain Lion).
2. Problem of paper does not come out from selected tray, after stopping sample copy has been fixed.
3. The machine may stall (no response) when a large volume of originals are scanned for a Scan to Folder job.
4. Supply call is not sent if the supply call notification is changed from "At replaced" to "At near end".

Following Firmware need to be updated together.
<table>
<tr><td></td><td>Part number</td><td>Version</td></tr>
<tr><td>System/Copy</td><td>D0976091B</td><td>1.06ARI</td></tr>
<tr><td>Network Support</td><td>D0166092D</td><td>7.07</td></tr>
<tr><td>Scanner</td><td>D0166097D</td><td>01.07</td></tr>
</table>
</td></tr>
<tr><td>1.05ARI</td><td>
<u>Modified Points:</u>
Modified PM counter for "Filter: Oil Tank"
Machine can now saddle stitch custom size paper by using Plocmatic
New SP has been added
SP-7941-128: Drive Distance: Near End Standard Value: Filter: Oil tank
</td></tr>
</table>

Reissued: 26-Jun-13

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097002b

SP7-953-128: Page Counter: Near End Standard Value: Filter: Oil tank
Following issues have been fixed
Image quality issue when using B/W mode and magnification rate less than 49% (Black band on trailing edge or image of previous page appears on next page)
Image quality issue when paper size is mixed and also image rotation ON /OFF is mixed (image of previous page appears on next page)
When paper end appears and recovered from it, paper shifted in middle of job, or paper did not shifted at end of job.
SC 86x appears after turning on a machine.
Scanning papers with different paper sizes, machine stays at “scanning mode”
Punch unit could not detect.
Operation touch panel could not recover from black screen

Apply Condition
This software needs to be updated with following software.

Aegis C1		
	Programme number	Version
Engine	D0165252M	3.008:12
System/ Copy	D0166091E	1.05
System/ Copy (For French, instead of above system, please use this one)	D0166088A	1.05
Websys	D0166093C	1.04
Webuapl	D0166095D	1.13
Scanner	D0166097C	1.06
Install tool	D0166099C	1.02
OpePanel (NA)	G1785975D	1.07
OpePanel(EU)	G1785976D	1.06
Language Install	G1785980B	1.07

Aries Lt C1		
	Programme number	Version
Engine	D0975252D	1.006:12
System/ Copy	D0976091A	1.05
System/ Copy (For French, instead of above system, please use this one)	D0976092	1.05
Websys	D0166093C	1.04
Webuapl	D0166095D	1.13
Scanner	D0166097C	1.06
Install tool	D0166099C	1.02
OpePanel (NA)	G1785975D	1.07
OpePanel(EU)	G1785976D	1.06

Reissued: 26-Jun-13

Model: **AGL-C1**	Date: 15-Jan-10	No.: RD097002b

	Language Install	G1785980B	1.07
1.04ARI	1st Mass production		

FRANCE

Version	Modified Points or Symptom Corrected
105AR_F	1st Mass production

RICOH

Technical Bulletin

Model: AGL-P1/C1	Date: 21-Jan-10	No.: RM078003

Subject: Notice of exclusive parts for AGL-P1/C1	Prepared by: N.iida
From: PPBG Service Planning Dept.	

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

We would like to inform the exclusive parts for AGL-P1/C1. Except for the parts mentioned below, all the parts for AGL-P1/C1 are common with AG-P1/C1; therefore, please add the following part numbers to the parts catalog for Model AG-P1/C1 (G178/D016).

New part number	Description	Page	Index	Note
M0781658	PLATE:NAME PLATE:C720	21	25	
D0971658	PLATE:NAME PLATE:C720S	21	25	
D0975301	PCB:BCU:SUB-ASS'Y	189	8	
M0785300	PCB:BCU:SUB-ASS'Y	189	8	
M0786022	PCB:CONT:EX1:AEGIS-P1LT:ASS'Y	197	13	
D0976014	PCB:CONT:EX1:AEGIS-C1LT:ASS'Y	197	13	
M0780480	DVD-ROM:SYS_AG-LT:EXP:ASS'Y	415	7	

Model: AGL-P1/C1	Date: 20-Aug-10	No.: RM078005

Subject: Important Notes on Engine Firmware Update	Prepared by: N.iida
From: PPBG Service Planning Dept.	

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

Important Notes on Engine Firmware Update

1. General

Settings/conditions most effective for various paper types based on the results from MQP; Media Qualification Program, have been reflected in the default settings for "Special3/Special6". This modification will automatically take effect after updating the engine firmware to 1.003:12 or newer; default settings for "Special3/Special6" will be rewritten when installing the firmware. The affected SPs are as listed below. Please refer to the table for details on the modified values.

SP1-105-

208,209,210,211,212,213,214,215,218,219,220,221,222,223,224,225,226,227

SP1-108-

063,064,065,066,067,068,069,070,071,072,073,074,075,076,077,078,079,080,

081,082,083,084

SP1-905-

048,049,050,114,115,116

SP1-909-

057,058,059,060,061,074,076,077,078,079

2. Notes on upgrading the engine firmware to version 1.003:12 or newer

Fusing problems could occur for customers currently using Special3/Special6 because the new firmware rewrites the fusing related default values. To avoid this, make sure to modify the related SP values after updating the firmware.

Procedure

a. Check if the customer uses Special 3 or Special 6.
b. If they do, print out SMC report.(SP5990-002)
c. Upgrade the Engine firmware.
d. Refer to the SMC report and re-input the values for the following SP settings.

Model: AGL-P1/C1	Date: 20-Aug-10	No.: RM078005

Coated:Special 3

Thickness	Description	SP No.	NA model		EU model	
			Current value	Modified value	Current value	Modified value
Thin 60-75g/m2	Temp. in Simplex and B/W	**1-105-210**	180 deg	160 deg	180 deg	160 deg
	Temp. in Simplex and FC	**1-105-211**	180 deg	160 deg	180 deg	160 deg
	Temp. in Duplex and B/W	**1-105-222**	180 deg	160 deg	180 deg	160 deg
	Temp. in Duplex and FC	**1-105-223**	180 deg	160 deg	180 deg	160 deg
	Nip: Low Temp	1-905-047	510 msec	510 msec	510 msec	510 msec
	Nip: Over Low Temp	1-905-113	510 msec	510 msec	510 msec	510 msec
	Fusing Motor Speed	1-909-056	-3.0 %	-3.0 %	-3.0 %	-3.0 %
Plain 76-100g/m2	Temp. in Simplex and B/W	**1-105-208**	190 deg	180 deg	180 deg	180 deg
	Temp. in Simplex and FC	**1-105-209**	190 deg	180 deg	180 deg	180 deg
	Temp. in Duplex and B/W	**1-105-220**	190 deg	180 deg	180 deg	180 deg
	Temp. in Duplex and FC	**1-105-221**	190 deg	180 deg	180 deg	180 deg
	Nip: Low Temp	**1-905-048**	330 msec	510 msec	330 msec	510 msec
	Nip: Over Low Temp	**1-905-114**	330 msec	510 msec	330 msec	510 msec
	Fusing Motor Speed	**1-909-057**	0 %	-3.0 %	-3.0 %	-3.0 %
Middle Thick 101-126g/m2	Temp. in Simplex and B/W	**1-105-212**	190 deg	180 deg	190 deg	185 deg
	Temp. in Simplex and FC	**1-105-213**	190 deg	180 deg	190 deg	185 deg
	Temp. in Duplex and B/W	**1-105-224**	190 deg	180 deg	190 deg	185 deg
	Temp. in Duplex and FC	**1-105-225**	190 deg	180 deg	190 deg	185 deg
	Nip: Low Temp	**1-905-049**	40 msec	330 msec	40 msec	330 msec
	Nip: Over Low Temp	**1-905-115**	40 msec	330 msec	40 msec	330 msec
	Fusing Motor Speed	**1-909-058**	-2.0 %	-3.0 %	-2.0 %	-3.0 %
Thick 1 127-156g/m2	Temp. in Simplex and B/W	**1-105-214**	200 deg	195 deg	200 deg	195 deg
	Temp. in Simplex and FC	**1-105-215**	200 deg	195 deg	200 deg	195 deg
	Temp. in Duplex and B/W	**1-105-226**	200 deg	195 deg	200 deg	195 deg
	Temp. in Duplex and FC	**1-105-227**	200 deg	195 deg	200 deg	195 deg
	Nip: Low Temp	**1-905-050**	40 msec	330 msec	40 msec	330 msec
	Nip: Over Low Temp	**1-905-116**	40 msec	330 msec	40 msec	330 msec
	Fusing Motor Speed	**1-909-059**	-2.0 %	-3.0 %	-2.0 %	-3.0 %
Thick 2 157-220g/m2	Temp. in Simplex and B/W	1-105-216	200 deg	200 deg	200	200 deg
	Temp. in Simplex and FC	1-105-217	200 deg	200 deg	200	200 deg
	Temp. in Duplex and B/W	1-105-228	200 deg	200 deg	200	200 deg
	Temp. in Duplex and FC	1-105-229	200 deg	200 deg	200	200 deg
	Nip: Low Temp	1-905-051	40 msec	40 msec	40 msec	40 msec
	Nip: Over Low Temp	1-905-117	40 msec	40 msec	40 msec	40 msec
	Fusing Motor Speed	**1-909-060**	-3.0 %	-2.0 %	-2.0 %	-2.0 %
Thick 3 221-300g/m2	Temp. in Simplex and B/W	**1-105-218**	200 deg	205 deg	200 deg	205 deg
	Temp. in Simplex and FC	**1-105-219**	200 deg	205 deg	200 deg	205 deg
	Nip: Low Temp	1-905-052	40 msec	40 msec	40 msec	40 msec
	Nip: Over Low Temp	1-905-118	40 msec	40 msec	40 msec	40 msec
	Fusing Motor Speed	**1-909-061**	-3.0 %	-2.0 %	0 %	-2.0 %

Model: AGL-P1/C1	Date: 20-Aug-10	No.: RM078005

Uncoated:Special 6

Thickness	Description	SP	NA model		EU model	
			Current value	Modified value	Current value	Modified value
Thin 60-75g/m2	Temp. in Simplex and B/W	**1-108-065**	170 deg	160 deg	175 deg	160 deg
	Temp. in Simplex and FC	**1-108-066**	170 deg	160 deg	175 deg	160 deg
	Temp. in Duplex and B/W	**1-108-077**	170 deg	160 deg	175 deg	160 deg
	Temp. in Duplex and FC	**1-108-078**	170 deg	160 deg	175 deg	160 deg
	Nip: Low Temp	1-905-065	510 msec	510 secc	510 msec	510 msec
	Nip: Over Low Temp	1-905-131	510 msec	510 msec	510 msec	510 msec
	Fusing Motor Speed	**1-909-074**	0 %	-3.0 %	-3.0 %	-3.0 %
Plain 76-100g/m2	Temp. in Simplex and B/W	**1-108-063**	170 deg	170 deg	170 deg	180 deg
	Temp. in Simplex and FC	**1-108-064**	170 deg	170 deg	170 deg	180 deg
	Temp. in Duplex and B/W	**1-108-075**	170 deg	170 deg	170 deg	180 deg
	Temp. in Duplex and FC	**1-108-076**	170 deg	170 deg	170 deg	180 deg
	Nip: Low Temp	1-905-066	510 msec	510 msec	510 msec	510 msec
	Nip: Over Low Temp	1-905-132	510 msec	510 msec	510 msec	510 msec
	Fusing Motor Speed	1-909-075	-3.0 %	-3.0 %	-3.0 %	-3.0 %
Middle Thick 101-126g/m2	Temp. in Simplex and B/W	**1-108-067**	185 deg	180 deg	180 deg	185 deg
	Temp. in Simplex and FC	**1-108-068**	185 deg	180 deg	180 deg	185 deg
	Temp. in Duplex and B/W	**1-108-079**	185 deg	180 deg	180 deg	185 deg
	Temp. in Duplex and FC	**1-108-080**	185 deg	180 deg	180 deg	185 deg
	Nip: Low Temp	1-905-067	330 msec	330 msec	330 msec	330 msec
	Nip: Over Low Temp	1-905-133	330 msec	330 msec	330 msec	330 msec
	Fusing Motor Speed	**1-909-076**	0 %	-3.0 %	-3.0 %	-3.0 %
Thick 1 127-156g/m2	Temp. in Simplex and B/W	**1-108-069**	180 deg	190 deg	190 deg	190 deg
	Temp. in Simplex and FC	**1-108-070**	180 deg	190 deg	190 deg	190 deg
	Temp. in Duplex and B/W	**1-108-081**	180 deg	190 deg	190 deg	190 deg
	Temp. in Duplex and FC	**1-108-082**	180 deg	190 deg	190 deg	190 deg
	Nip: Low Temp	1-905-068	330 msec	330 msec	330 msec	330 msec
	Nip: Over Low Temp	1-905-134	330 msec	330 msec	330 msec	330 msec
	Fusing Motor Speed	**1-909-077**	0 %	-3.0 %	0 %	-3.0 %
Thick 2 157-220g/m2	Temp. in Simplex and B/W	**1-108-071**	190 deg	195 deg	200 deg	195 deg
	Temp. in Simplex and FC	**1-108-072**	190 deg	195 deg	200 deg	195 deg
	Temp. in Duplex and B/W	**1-108-083**	190 deg	195 deg	200 deg	195 deg
	Temp. in Duplex and FC	**1-108-084**	190 deg	195 deg	200 deg	195 deg
	Nip: Low Temp	1-905-069	40 msec	40 msec	40 msec	40 msec
	Nip: Over Low Temp	1-905-135	40 msec	40 msec	40 msec	40 msec
	Fusing Motor Speed	**1-909-078**	-3.0 %	-2.0 %	-2.0 %	-2.0 %
Thick 3 221-300g/m2	Temp. in Simplex and B/W	**1-108-073**	200 deg	205 deg	200 deg	205 deg
	Temp. in Simplex and FC	**1-108-074**	200 deg	205 deg	200 deg	205 deg
	Nip: Low Temp	1-905-070	40 msec	40 msec	40 msec	40 msec
	Nip: Over Low Temp	1-905-136	40 msec	40 msec	40 msec	40 msec
	Fusing Motor Speed	**1-909-079**	-3.0 %	-2.0 %	-2.0 %	-2.0 %

Reissued: 28th-Sep-12

Model: AG-P1/C1, AGL-P1/C1, Aries-P1.5/C1.5	Date: 06-Dec-10	No.: RG178128c

RTB Reissue

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

Subject: Notes on Handling PCDUs to prevent drum scratching			Prepared by: H. Kawamura
From: PPBG Service Planning 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 has been issued to announce the correct handling procedure of the PCDU* to prevent scratches on the drum, which occurs when the PG* is narrower at the front side of the drum.

NOTE * PCDU includes the photoconductive drums and the development units.
* PG is the gap between the drum and the development rollers

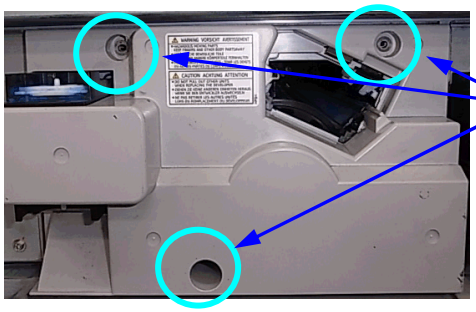
1. Primary Considerations When Handling the PCDU

Take note of the information in the following section to avoid the problems listed below.

1) Different density between left and right sides on a page
2) Toner adhesion to the development rollers
3) Scratches on the drums resulting from toner adhesion to the development rollers
4) Toner clumps caused by narrowed PG

1-1. Confirming Attachment of the Inner Cover

The Inner Cover must always be fastened with the 3 screws circled in blue in the photo below when in operation. Note that these screws not only function to hold the cover but fix the PCDU to the mainframe.



Confirm complete fastening of the 3 screws.

Never operate the machine without the Inner Cover or the screws.

The development unit will be positioned incorrectly when operated without the Inner Cover and the screws, causing scratches on the drum surface and uneven image density.

Model: AG-P1/C1, AGL-P1/C1, Aries-P1.5/C1.5	Date: 06-Dec-10	No.: RG178128c

1-2. Confirming Correct Installation of the Developer Unit
- Proper engagement of the drum internal and drum drive external gears -

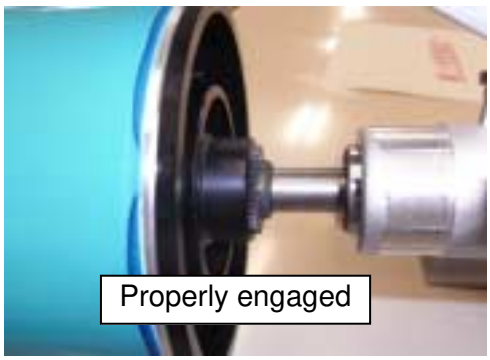
Make sure the development unit is correctly installed by checking the appearance of the knob and the screw holes.

When the development unit is correctly installed…

The surface of the knob and the adjacent area (black-colored) is almost flush, as shown in the left photo. Also, the screw holes for attaching the inner cover should be clearly visible as shown in the center and right photos.

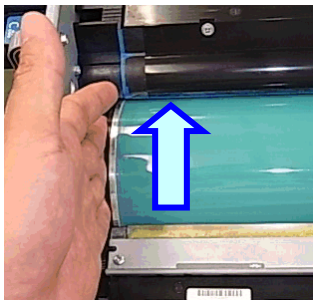
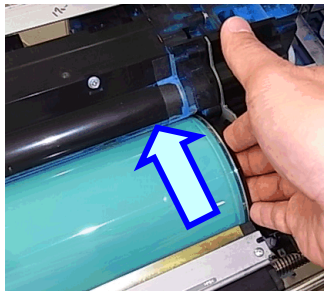
When the development unit is incorrectly installed…

The surface of the knob is clearly protruding against the adjacent area (black-colored) and the screw holes are sunk in and are not clearly visible, as shown in the photos above. In this case, the unit is bounced back towards the front side because the drum internal and drum drive external gears are not properly engaged as shown below.

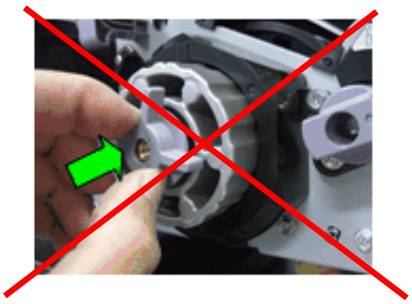
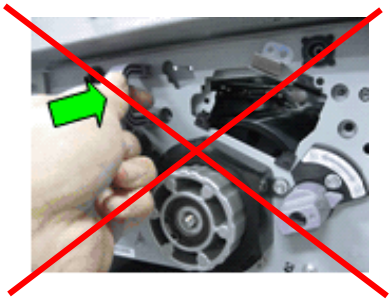


Model: AG-P1/C1, AGL-P1/C1, Aries-P1.5/C1.5	Date: 06-Dec-10	No.: RG178128c

If the development unit is not correctly installed, pull out the PCDU and slightly reposition the drum so that the internal and external gears are engaged properly.

Do not attempt to forcefully fasten the (cross-shaped) drawer stop knob by shoving in the unit. Doing so will NOT help install the unit completely but will only damage the teeth of the internal gear.

When the gears are not engaged properly, the drum cleaning unit pushes the drum towards the direction in which the PG is narrowed. Printing in this condition will cause toner to adhere to the development rollers and generate scratches on the drum surface.

The following SCs may occur if the drum surface has been scratched and reveals the aluminum substrate.

SC error name	Color	SC code
Development bias: high voltage error	K	320
	C	321
	M	322
	Y	323

If the above SC occurs and heavy scratches are observed on the drum surface, replace the drum with a new one.

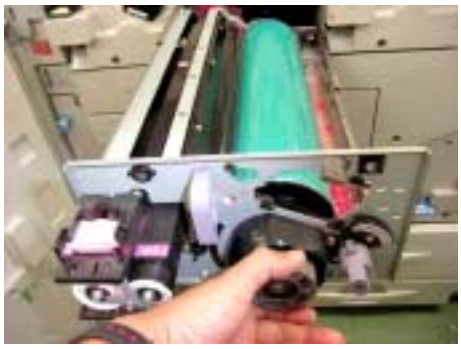
Model: AG-P1/C1, AGL-P1/C1, Aries-P1.5/C1.5	Date: 06-Dec-10	No.: RG178128c

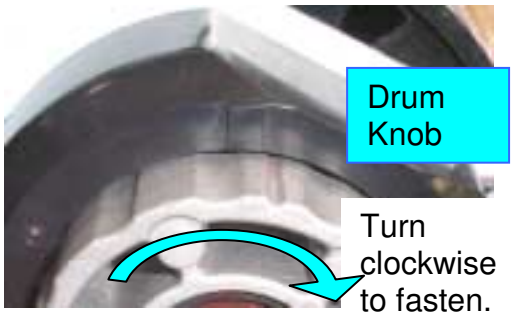
2. Correct Procedures for Fastening the Drum Knob

Take note of the information in the following section to avoid the problems listed below.

1) Different density between left and right sides on a page
2) Toner adhesion to the development rollers
3) Scratches on the drums resulting from toner adhesion to the development rollers
4) Toner clumps caused by narrowed PG

- Always pull out the development unit and remove the drum cleaner when fastening the drum knob.
- Never attempt to further fasten the drum knob when the drum cleaning unit is installed.





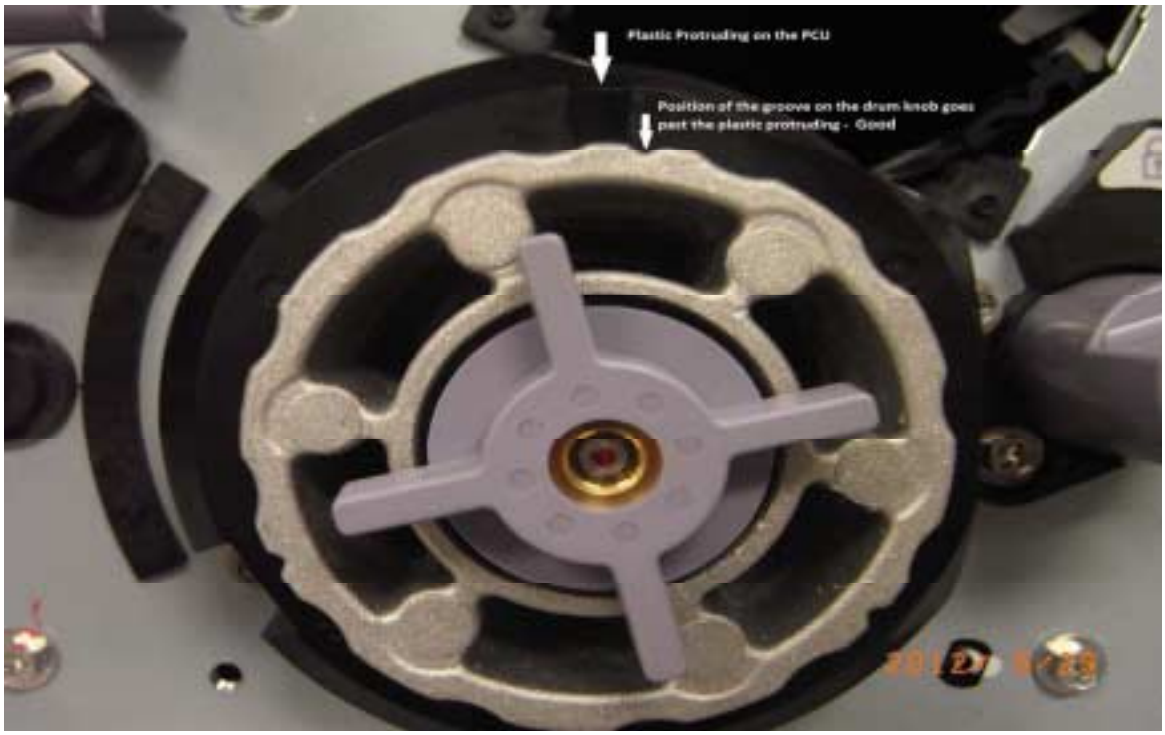
Do NOT fasten the drum knob when the development unit is installed.
Do NOT fasten the drum knob when the drum cleaning unit is installed.

If the drum knob is loosened with the drum cleaning unit installed, make sure to remove the drum cleaning unit, and then fasten the knob.

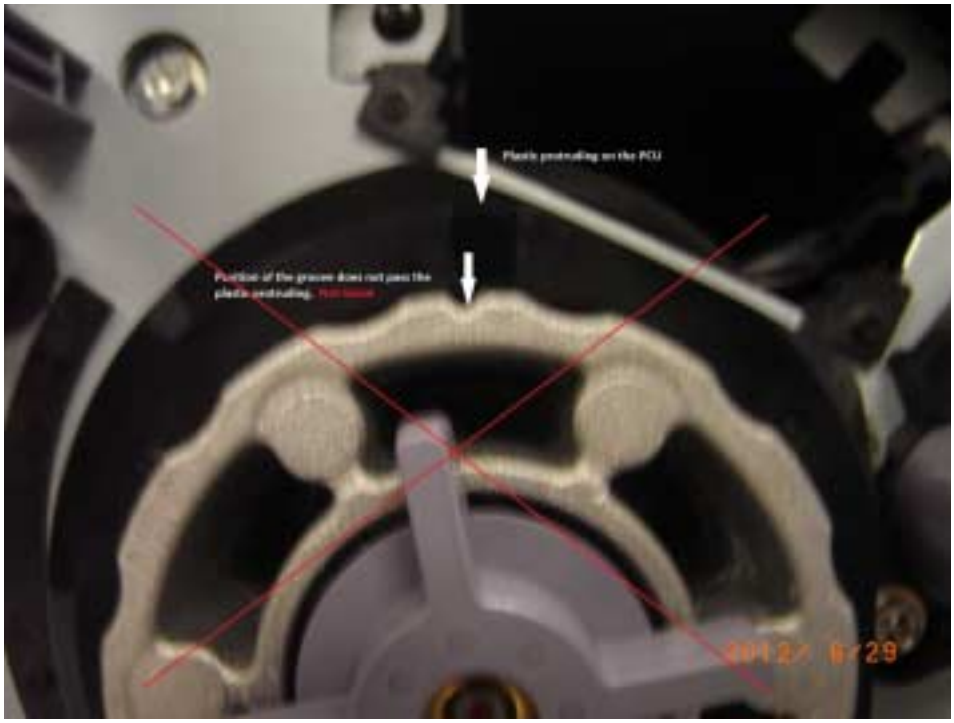
Fastening the drum knob with the drum cleaning unit installed will cause the drum cleaning unit to apply pressure to the drum and narrow the PG at the front side.

Model: AG-P1/C1, AGL-P1/C1, Aries-P1.5/C1.5	Date: 06-Dec-10	No.: RG178128c

Tighten the Drum Knob so that the groove on the Drum Knob goes past the plastic protrusion on the PCDU as shown in the photo below.



Correct Drum Knob Position



Incorrect Drum Knob Position

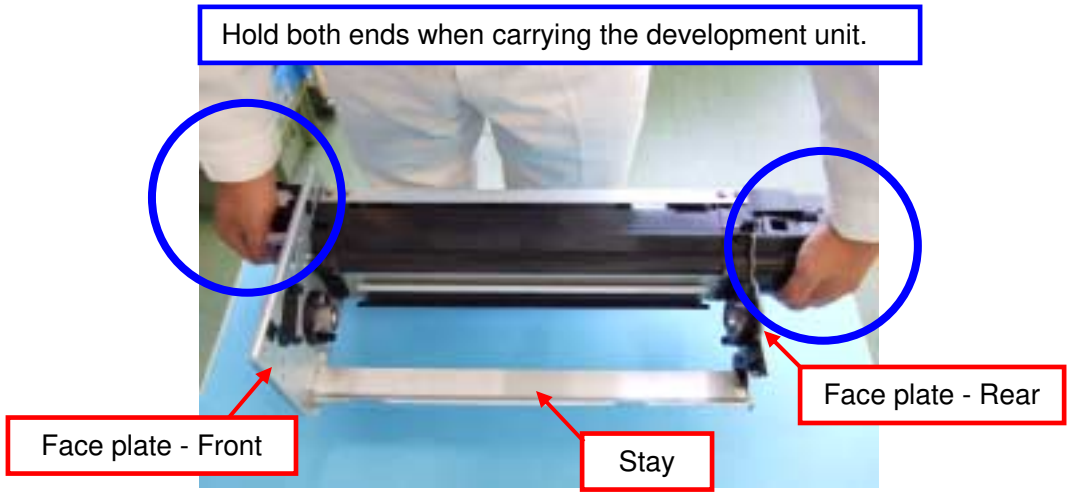
Model: AG-P1/C1, AGL-P1/C1, Aries-P1.5/C1.5	Date: 06-Dec-10	No.: RG178128c

3. Handling the Development Unit

Take note of the information in the following section to avoid the problems listed below.

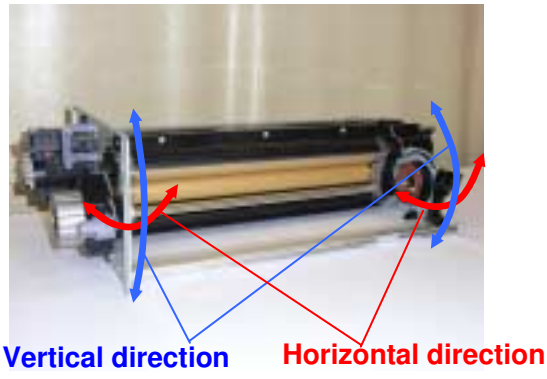
1) Variation in image density
2) Different density between left and right sides on a page
3) Toner adhesion to the development rollers
4) Scratches on the drums resulting from toner adhesion to the development rollers
5) Toner clumps caused by narrowed PG

- Always hold the prescribed locations when handling the development unit.
- Never apply external pressure to the front and rear plates and the stay.



Do not grip the face plates or the stay.

Applying external pressure will deform the front and rear plates in vertical and horizontal directions, resulting in fluctuation of the PG.



Model: AG-P1/C1,AGL-P1/C1	Date: 05-Jan-11	No.: RG178129

Subject: Release of the Modified Fusing with "Hardened" Hot Roller	Prepared by: N.Iida
From: PPBG Service Planning 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 has been issued to announce the release of the modified fusing unit targeted for users who demand better fusibility with thick paper.

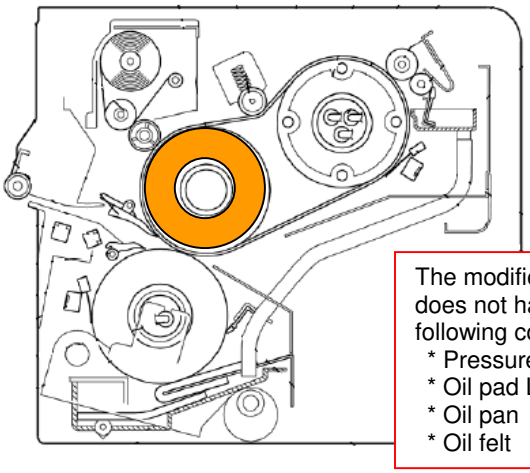
Better fusibility with thick paper is made possible by the “hardened” hot roller which applies a higher nip pressure. The modified fusing unit is also effective for issues such as “wrinkles”, “worm tracks”, “toner blisters”, and “oil stains on 1st side of duplex printing”. However, due to the difference in the component parts, trade-offs such as “separation jams with thin paper” and “oil drops” do exist.

The modified fusing unit should be able to meet customer demands provided that both positive and negative effects are well understood in advance.

NOTE: The effects on fusibility will differ depending on the paper type.

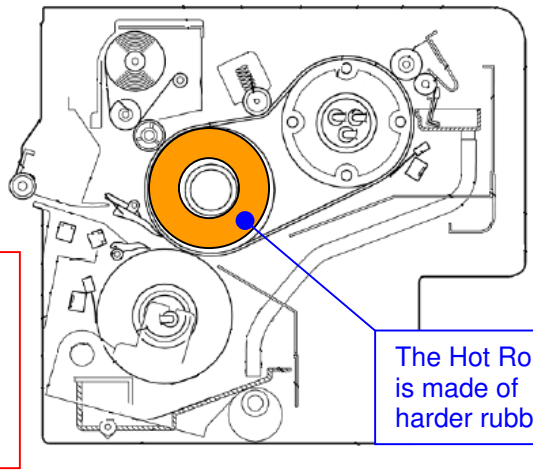
Main Modified Points

Standard Fusing



The modified fusing unit does not have the following components:
* Pressure roller blade
* Oil pad L
* Oil pan
* Oil felt

Modified Fusing with "Hardened" Hot Roller



The Hot Roller is made of harder rubber.

	Current Fuser	Modified Fuser	Remarks
Hardness of the Hot Roller	42±3 (LTV)	55+3/-2 (HTV)	Measuring device: Asker C
Surface pressure (N/cm²)	39.4	54.2	+37%
Nip width (mm) L	19.25	18.25	
Nip width (mm) M	17.75	16.75	
Nip width (mm) S	16.25	15.25	
Pressure roller blade Oil pad Oil pan L Oil felt	Included	Elminated	Reduced torque

Rubber duro-meter (JIS-A)

HTV: Vulcanized in high temp - Solid 15-100
LTV: Vulcanized in low temp - Liquid 5-90

Comparison Table

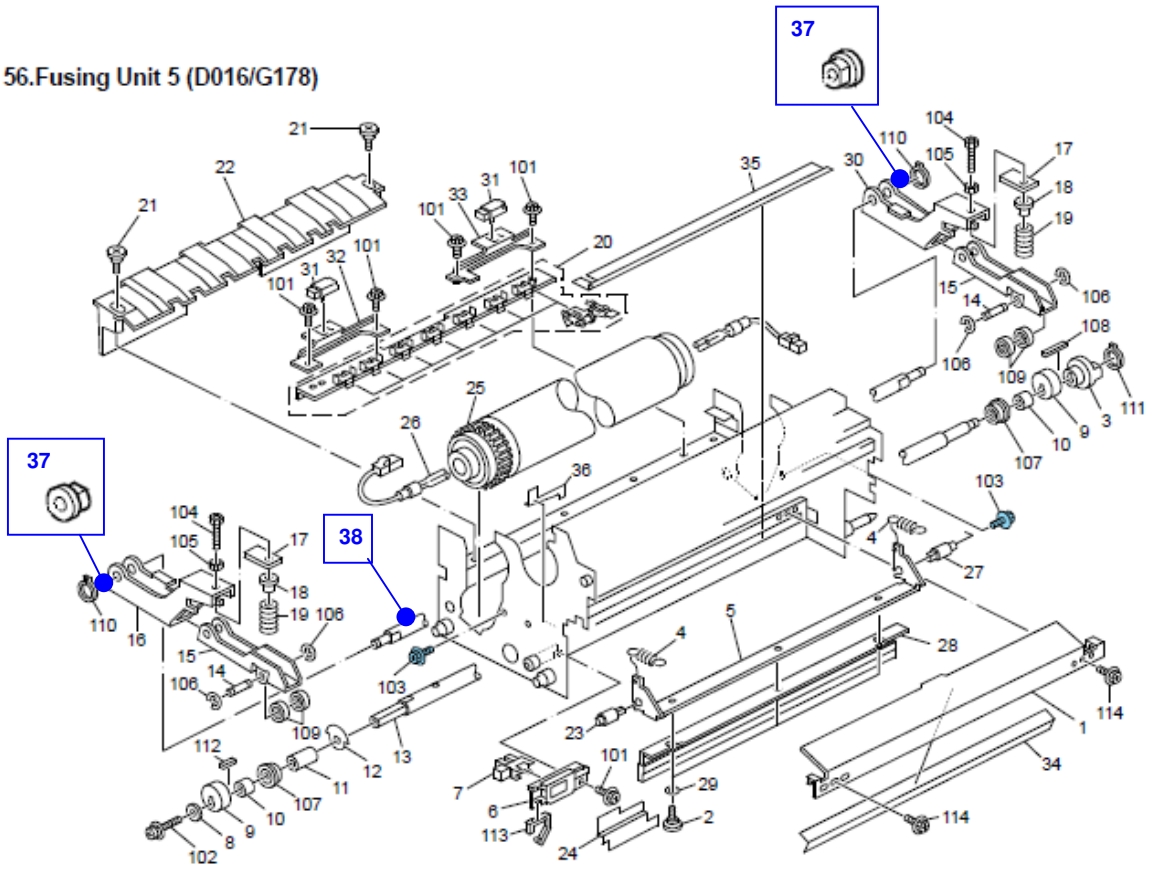
This is a comparison table describing the components that differ from the standard fusing unit. Components not described in this table are common with the standard fusing unit.

Standard Part Numbers	Modified Part Numbers	Q'ty	Page	Index	Note
D0164113 FUSING UNIT:NA:ASS'Y	D0164301 FUSING UNIT:NA:ASS'Y:HARD	1	123	*	
D0164114 FUSING UNIT:EU	D0164302 FUSING UNIT:EU:ASS'Y:HARD	1	123	*	
D0164485 HOT ROLLER **PM 800K**	D0164339 HOT ROLLER:PRESS FIT:HARD **PM 400K**	1	129	12	
G1784284 SPRING:PRESSURE SUB-UNIT	AA061075 COMPRESSION SPRING:PRESSURE:515N	2	131	19	
-	AA081020 PLAIN SHAFT BEARING:DIA12XDIA20X8	2	131	37	Add *1
-	D0164440 SHAFT:PRESSURE:ARM:HARD	1	131	38	Add *1
G1784255 ARM:PRESSURE SUB-UNIT	D0164441 ARM:PRESSURE SUB-UNIT	2	131	15	
G1784276 ARM:PRESSURE SUB-UNIT:LOWER REAR	D0164442 ARM:PRESSURE SUB-UNIT:LOWER REAR	1	131	30	
G1784275 ARM:PRESSURE SUB-UNIT:LOWER FRONT	D0164443 ARM:PRESSURE SUB-UNIT:LOWER FRONT	1	131	16	
G1784354 BRACKET:WEB:DRIVE	D0164445 BRACKET:WEB:DRIVE	1	127	3	
D0164225 COVER:FUSING UNIT:REAR	D0164468 REAR COVER:HARD FUSING UNIT	1	123	26	
-	AA143803 FLANGED HEXAGONAL HEAD BOLT:CASTER	2	127	200	Add *2

NOTE

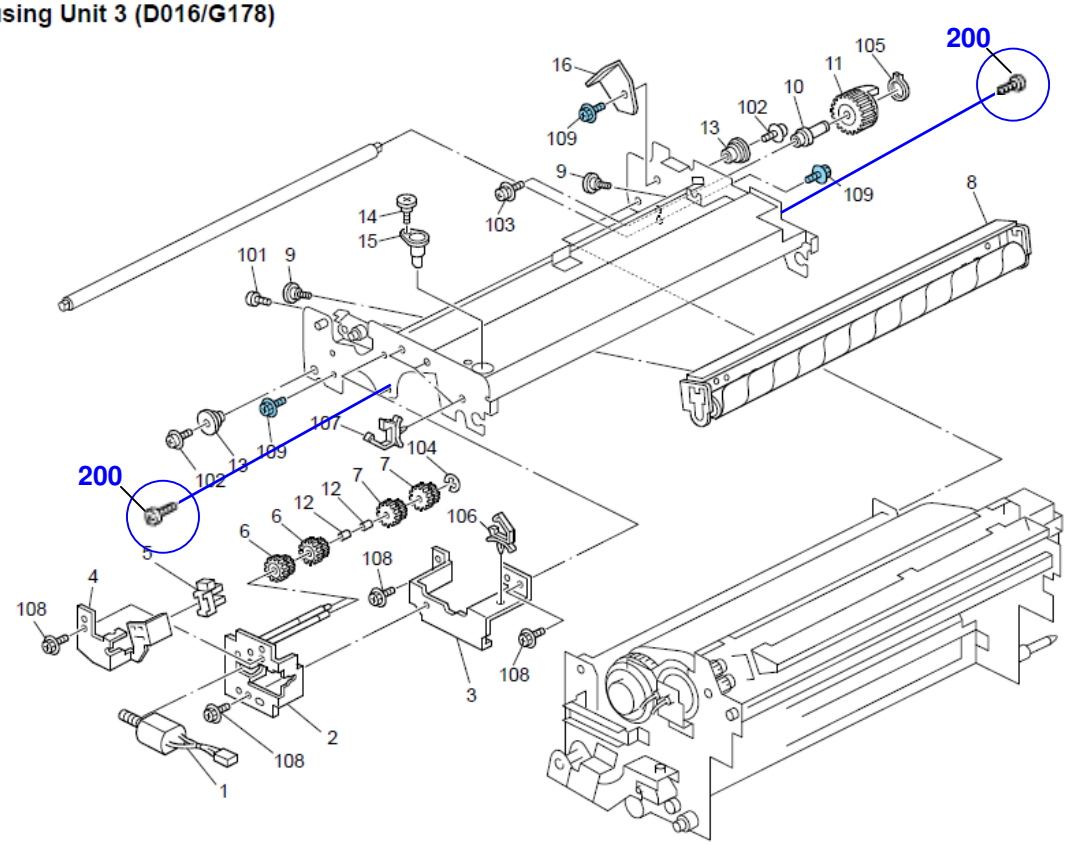
The standard fusing unit CANNOT be installed with the “hardened” hot roller and modified due to the difference in the durability of the frames.

*1) Parts indexed 37 and 38 are service parts newly added for the modified fusing unit.



*2) The screws indexed 200 have been added to the locations shown in the diagram below in the modified fusing unit.

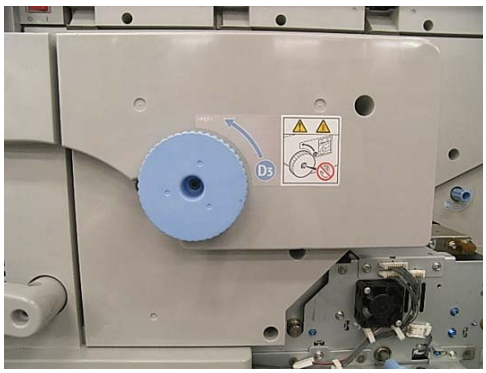
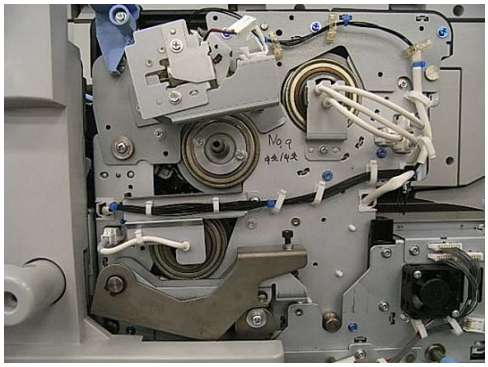
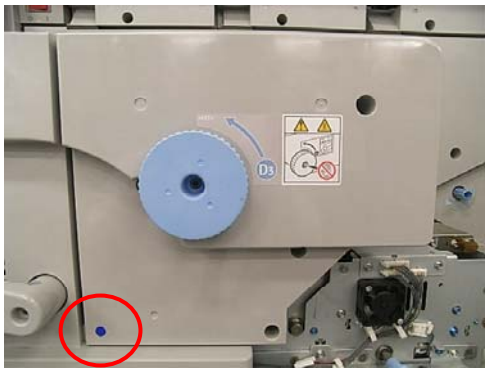
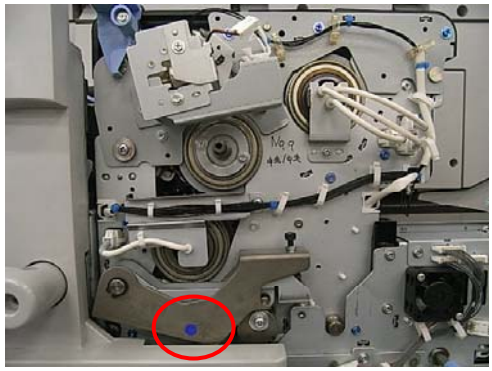
54.Fusing Unit 3 (D016/G178)



Index No.200
P/N AA143803
FLANGED HEXAGONAL HEAD BOLT:CASTER

How to distinguish the Standard and Modified fusing units

1. Fusing unit

Standard	Modified
 	 

Although the units can be distinguished by the p/n indicated on the packaging boxes, it could be tricky after the units are installed in the mainframe. To enable distinction, the modified units are marked with blue stickers on the cover and the arm as shown in the photos above.

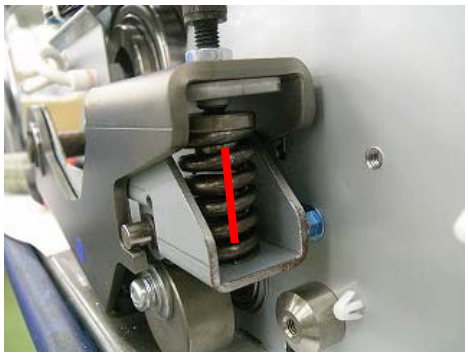
2. Hot Roller

Standard	Modified
	

The modified fusing unit is marked with a blue sticker on the outer ring of the hot roller, which becomes visible by removing the fusing knob.

* Do NOT attempt to install the hardened hot roller in a standard fusing unit, and vice versa.
  Nip width and relative properties will not meet their target values and could result in jams, SCs, and image problems.

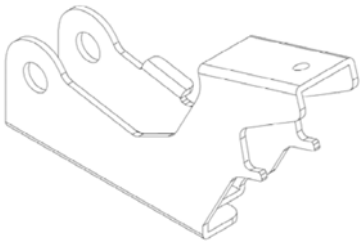
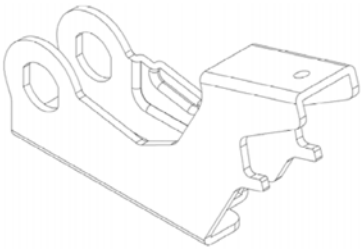
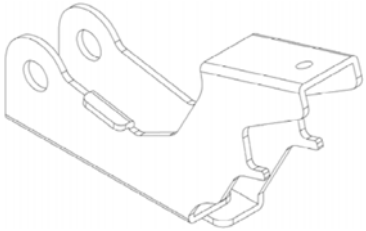
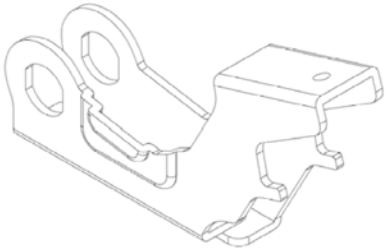
3. Pressure Spring

Standard	Modified
	

The pressure spring in the modified fusing unit has a marking along the side.

* The pressure spring does not require periodical replacement.

4. Pressure Arm

Standard	Modified
	
	
 **Front**	 **Front**
 **Rear**	 **Rear**

The arm for the standard unit is not durable enough to operate the modified unit and will cause the shaft to wear. The arm for the modified unit made of thicker plate is installed with a bushing to prevent wear and also has a different shape.

* The pressure arm does not require periodical replacement.

5. Rear Cover

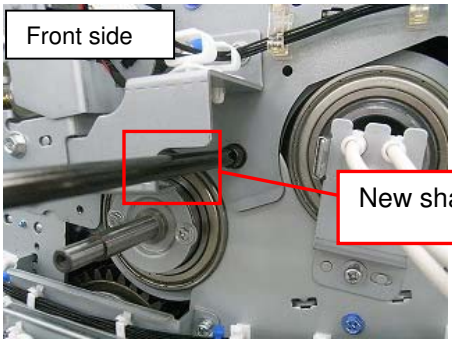
Standard	Modified
 D0164225 COVER:FUSING UNIT:REAR	 D0164468 COVER:FUSING UNIT:REAR

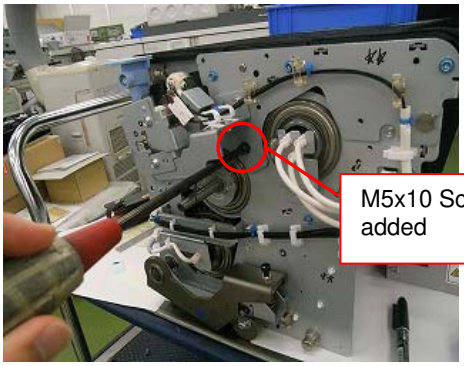
To avoid contact between the ribs on the cover and the pressure arm caused by the shape change of the pressure arm, the ribs on the cover have been partially removed.

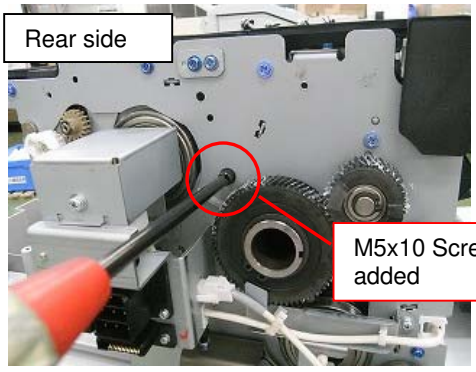
6. Addition of Securing Screws

Standard

Modified







Screws to attach the upper and lower frames have been newly added to secure higher durability of the entire unit and Bracket:Web:Drive(p/n:G1784354) has been changed in shape to allow easy access to the screw.

P/N of the newly added M5x10 screw:

AA143803 / FLANGED HEXAGONAL HEAD BOLT:CASTER

Please consider the following notes before operating a machine installed with the modified fusing unit.

- SP Adjustment

1. SP1907-001 (Fusing Motor Rotation)

   Rotation speed of the fusing motor must be modified to coordinate with the new nip width.

SP1907-001: Fusing Motor Rotation		
	Standard	Modified
Rotation Speed	1196.9 rpm	1208.9 rpm

NOTE: Make sure to adjust the above setting according to the type of fusing unit (standard or modified) installed.

- Parts Requiring Periodical Replacements

1. Hot Roller

   PM interval 400K

   The hardness of the hot roller will gradually decrease over time. Make sure to replace with a new roller at every 400K to maintain the best performance.

2. Drive Gear

   G1781491 Gear:Fusing Drive Sub-unit:O/C:Ass'y

   PM interval 4000K

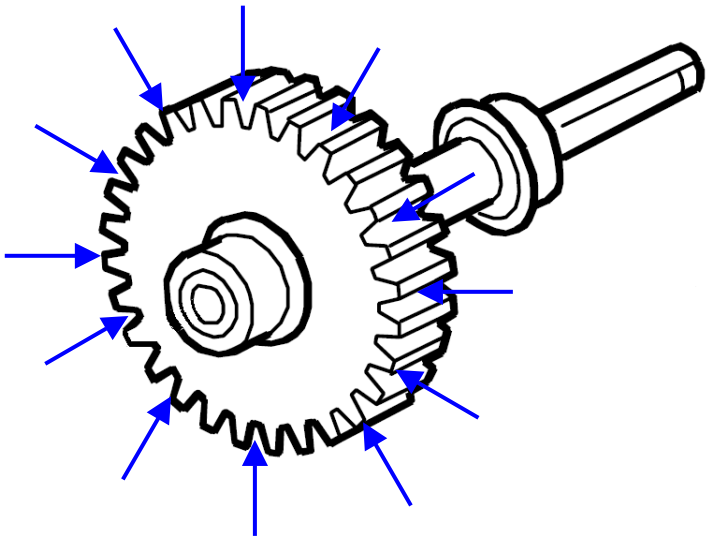
   This gear lifts and lowers the pressure roller. The modified fusing unit will not only apply more stress to this gear but may also cause it to break due to abrasion and fatigue considering the higher pressure applied when the pressure and hot rollers are in contact, hence periodical replacement of this gear is required.

NOTE: All the teeth of gear (p/n G1781491) must be applied with 1g of Alvania Grease (p/n G1552876) upon replacement.

Applying Grease to the Gear (p/n G1781491)

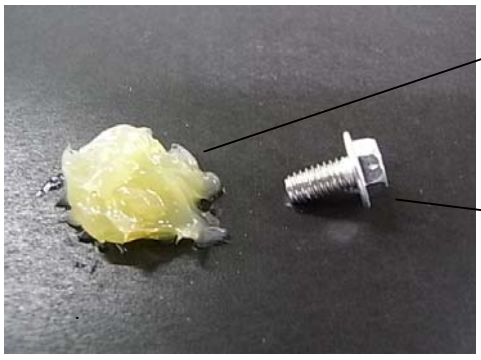
Tip 1

Divide 1g of grease equally to 12 locations on the teeth. Rotation of the gear will then distribute the grease evenly and thoroughly.



Tip 2

1g of grease is approximately the size of an M4x8 screw.



Effect

	Improvements	Mechanism of the Effect
1	Better fusibility	The “hardened” hot roller applies higher pressure to the nip of the hot and pressure rollers.
2	Effective for wrinkles and worm tracks	Elimination of the oil application components reduces the rotation load on the pressure roller allowing its better correlation with the hot roller, which is effective for worm tracks. The “hardened” hot roller allowing a more even nip (pressure distributed equally) is also effective for wrinkles.
3	Effective for toner blisters	The “hardened” hot roller applies higher pressure to the nip of the hot and pressure rollers.
4	Effective for oil stains on 1st side of duplex printing	Elimination of the oil application components has reduced the overall amount of oil applied to the surface of the pressure roller, ultimately reducing the amount of oil transferred from the roller to the paper. However, this issue will remain for the very first output immediately after an idling operation, because the sufficient amount of oil applied to the fusing belt is absorbed by this first sheet via the pressure roller. Feeding speed (or distance between the sheets) will also affect the output because the process of “oil transference from the belt to the pressure roller” and “oil transference from the pressure roller to the paper” is continuously repeated every time a sheet passes the nip.

Side Effects

	Issues	Cause	Solutions and Workarounds
1	Fusing belt wrap-around jams under the following conditions: • Non-coated standard paper of 80gsm or lighter • LE margin set to minimum; 4.2 +/- 0.7mm (4.0 mm if high temp and humidity with thin paper), and max toner amount (1.56 mg/square cm)	The “hardened” hot roller causes the nip to face upwards, directing the fused paper towards the stripper pawl, which makes it difficult for the paper to separate from the belt.	* Increase LE margin * Switch to a different paper type * Replace with the standard fusing unit. LE: Leading edge

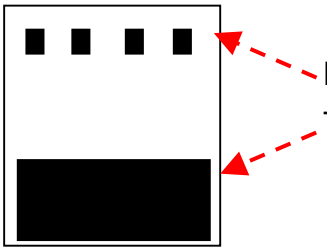
	Issues	Cause	Solutions and Workarounds
2	Oil Adhesion with Thin Paper	Due to the elimination of the oil application components, the decrease in the amount of oil applied to the surface of the pressure roller causes thin and flexible paper to wrap around the pressure roller easier. The oil accumulated at the pressure roller stripper pawl then adheres to the paper. The issue rarely occurs with the very first output of a job because the surface of the pressure roller is applied with a sufficient amount of oil allowing the paper to easily separate from the pressure roller.	* Switch to a different paper type; paper evaluated 120 or higher on the Clark Stiffness Tester is recommended. * Replace with the standard unit
3	Damaged fusing belt and pressure roller * Gloss streaks become visible in a shorter period of time with the modified fusing unit in comparison to the standard fusing unit when the job is run with "Thick Paper + Wide Nip". Test results as follows: HML28lb, Narrow Nip --> Same 70W, Narrow Nip --> Same POD Gloss 128, Medium Nip --> Same ColotecG280g, Wide Nip --> Faster	Higher nip pressure caused by the “hardened” hot roller causes the edges of the paper (especially paper with jagged edges) to wear the surface of the fusing belt and the pressure roller faster than the standard fusing unit.	Replace the fusing belt and pressure roller. (This workaround also applies for standard units.)

	Issues	Cause	Solutions and Workarounds
4	Gloss Residues: Pressure Roller If the LE on the 1st side contains a low coverage image and the TE on the 1st side contains a solid image (high coverage), the low coverage image on the LE could overlay on the TE while fusing the 2nd side (1st side is in contact with the pressure roller) under these conditions: * Coated paper * 1 original fed in automatic duplex, or 1-3 original fed in manual duplex The overlaid (residual) image will gradually become less noticeable over time. *See additional explanation on the following page.* LE: Leading edge TE: Trailing edge	* Due to the elimination of the oil application components, oil is applied to the pressure roller via the fusing belt. Therefore, the first sheet fed attracts the largest amount of oil from the pressure roller while the amount of oil transferred to the following sheets gradually decreases. * When fusing the 2nd side, oil on the surface of the pressure roller is absorbed by the low coverage image on the LE of the 1st side resulting in a residual image being created on the pressure roller, which is then overlaid onto the TE consisting of a solid image. Uneven oil on the pressure roller surface is essentially caused by the elimination of the pressure roller blade.	When observed with 1-3 original manual duplex: * Switch to automatic duplex * Feed a test sheet to absorb (erase) the overlaid image * Switch the LE and TE so that the solid image is on the LE When observed with 1 original automatic duplex: * Feed a test sheet to absorb (erase) the overlaid image * Switch the LE and TE so that the solid image is on the LE Note The same problem will occur with standard units if the oil application components are eliminated.

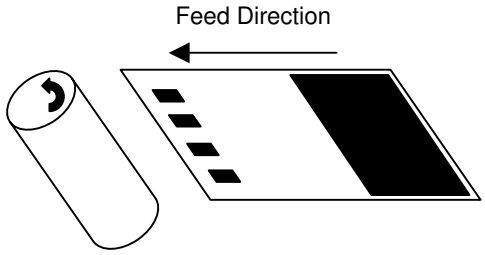
Model: AG-P1/C1,AGL-P1/C1	Date: 05-Jan-11	No.: RG178129

Additional Explanation of Pressure Roller Gloss Residues

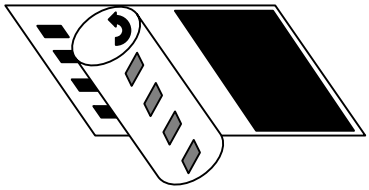
The following is an example of a 1st side image likely to cause the side effect.



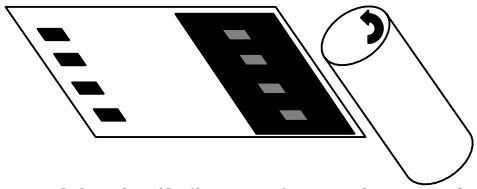
The following is a view of the pressure roller from below and explains how the side effect is generated when fusing the 2nd side in a duplex print job.



1. The surface of the pressure roller is applied with sufficient amount of oil via the fusing belt until the sheet enters the nip to fuse the 2nd side. While fusing the 2nd side, the pressure roller is in contact with the 1st side.



2. As the sheet passes the nip, the sheet absorbs the sufficient amount of oil applied to the surface of the pressure roller except for the area containing the low coverage image on LE, leaving oil on the pressure roller in the shape of the low coverage image.



3. The residual oil (image) on the surface of the pressure roller then adheres to the TE. The residual image is only noticeable because the TE is composed of a solid image.

Model: AG-P1 / C1 , AGL-P1/C1 , Aries-P1.5/C1.5	Date: 11-Jan-11	No.: RG178130

Subject: Notes on Cleaning the Developer Unit	Prepared by: Hiroaki Matsui
From: PPBG QA/Service Planning Dept.	

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

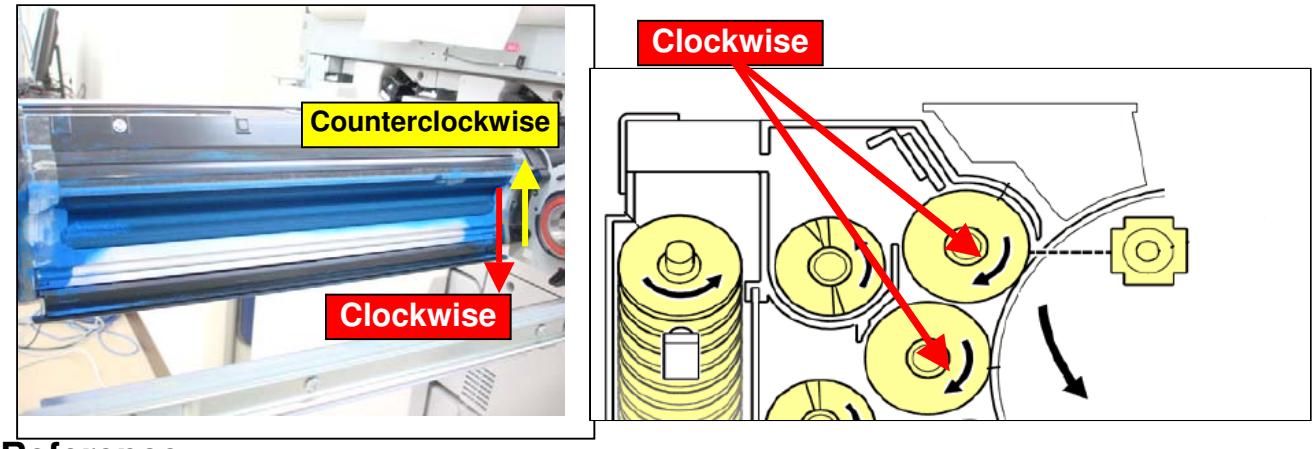
This RTB has been issued to announce important notes on handling the development rollers to prevent toner clumps on the development rollers from generating scratches on the drum surface.

Note

Always rotate the development rollers clockwise when required to rotate them manually on occasion of cleaning maintenance, etc.

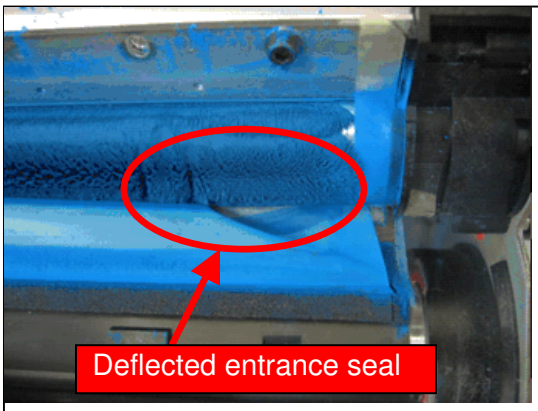
Rotating the development rollers counterclockwise with the developer installed will cause toner to adhere to the development rollers (see Reference below), resulting in higher chances of damaging the drums. Make sure to clear out the developer from the unit in advance when rotating the developer rollers counterclockwise.

Also, please do NOT clear the PM counter if the developer removed is to be re-installed and used again.



Reference

Rotating the development rollers counterclockwise with the developer installed will cause the entrance seal to deflect (especially at the edge).



The photo on the left shows the developer unit with its upper cover removed.
Note that deflection of the entrance seal is not visible from the outside.

Model: Aries C1.5	Date: 16-May-12	No.: RD095012

Subject: Part Changes – For ADF motor and harness	Prepared by: H. Kawamura
From: PP Service Planning Department 1G	

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

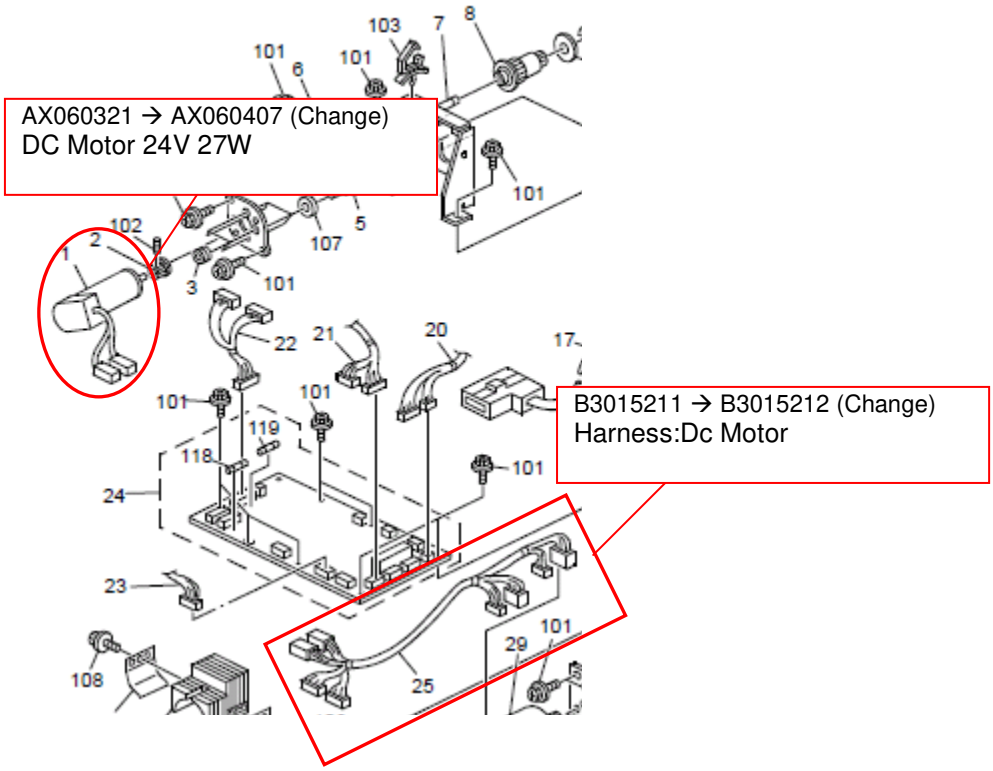
Change: Motor and harness

Reason: The factory of the motor has changed; the harness connecting the motor needs to be replaced together with the motor.

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
B3015211	B3015212	Harness:Dc Motor	1	X/X	253	25	Replace as set
AX060321	AX060407	DC Motor 24V 27W	1	X/X	253	1	Replace as set

NOTE: Motor and Harness need to be replaced as a set.
Motor and Harness interchangeability is X/X individually, and O/O.as a set.
This change has been applied from 2011 November production.
This change is also applied to ProC900S, ProC720S

114.ADF 9 (D095)



Reissued: 09-Nov-12

Model: **Aries-C1.5/P1.5, AG-C1/P1, AGL-C1/P1, B-C3/C3.5/C4, DDP**	Date: 11-May-06	No.: RB234014o

RTB Reissue

The items in bold italics have been added.

Subject: Controller firmware (Finisher)			Prepared by: J. Ohno
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 **Finisher.**

Version	Program No.	Effective Date	Availability of RFU
02.050:64	***B8305102V***	***December 2012 production***	***Not available***
02.040:63	B8305102T	January 2012 production	Not available
02.030:62	B8305102S	March 2011 production	Not available
2.000:61	B8305102R	October 2010 production	Not available
1.900:60	B8305102Q	January 2010 production	Not available
1.820:59	B8305102P	Aug 2009 production	Not available
1.800:58	B8305102N	June 2009 production	Not available
1.600	B8305102M	March 2009 production	Not available
1.500	B8305102L	January 2009 production	Not available
1.420:51	B8305102K	August 2008 production	Not available
1.400:50	B8305102J	July 2008 production	Not available
1.310:48	B8305102H	May 2008 production	Not available
1.160	B8305102G	April 2007 production	Not available
1.140	B8305102F	November 2006 production	Not available
1.100	B8305102E	June 2006 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
02.050:64	***Symptoms corrected:*** ***Jogging performance of the shift tray is poor when printing A5 SEF.***
02.040:63	Specification Changes: A span of 250msec to withhold the OFF signal was newly prescribed as a specification of the GBC Stream Punch.
02.030:62	Specification Change: With the Booklet Maker BK5010, it enables saddle-stitch of custom size. Currently, this function is available only when connected to CREO. Symptoms Corrected: ・ The error occurs when making one booklet with the Boolket Maker BK5010. ・ The jam occurs when copy/print with switching the punch-hole type. This occur when we use main machine(110cpm or 135 cpm)/SR5000 with decurl unit.

Model: **Aries-C1.5/P1.5, AG-C1/P1, AGL-C1/P1, B-C3/C3.5/C4, DDP**	Date: 11-May-06	No.: RB234014o

Version	Modified Points or Symptom Corrected
2.000:61	Specification Change ・ Process Speed Setting (Low) on the Pro C901/C901S is supported. ・ Z-fold staple job is supported for 8K paper size (267×390mm applied in China) on the RICOH Pro 907/1107/1357. ・ Initialization behavior of the exit guide plate rollers have been changed to rotate the drive rollers to prevent the drive rollers from adhering to the driven rollers. Symptoms Corrected: ・ Jam 116 occurs when switching from proof mode to staple mode while the stapler is in the position for staple refill. ・ With the Booklet Maker BK5010 installed the control panel remains to indicate jam status even after clearing the jam.
1.900:60	Modified Points: ・ Countermeasure against the machine cannot print when SC750 is occurring. ・ Countermeasure against the machine cannot print when SC721 is occurring. SC750 Cause After the SR5000 send the “tray rising” command, it did not send “stop rising tray” command. The engine was waiting to receive the “stop rising tray” command; therefore, it did not start printing Measure When JAM and SC occurred on tray lift motor, while sending the “tray rising” command, SR5000 will also send “stop tray rising” command, in order to start printing. SC721 Cause After the SR5000 send the “wait” command, it did not send “wait cancel” command. The engine was waiting to receive the “wait cancel” command; therefore, it did not start printing Measure If the staple jogger motor is not at the home position when standby poison check occurred, “request default the position flag” will be set; however, when JAM or SC occurred on stable jogger motor, changed to “request default the position flag” will not be set. When checking whether there are staples, if the stapler is not at the home position,” move to the home position” signal was released but, for ver. 1.900:60, when JAM or SC occurred in stapler motor, it does not sent the “move to the home position” signal.
1.820:59	Symptoms Corrected: 1. The shift tray does not descend nor ascend even when the emergency stop button is pressed.

Model: **Aries-C1.5/P1.5, AG-C1/P1, AGL-C1/P1, B-C3/C3.5/C4, DDP**	Date: 11-May-06	No.: RB234014o

Version	Modified Points or Symptom Corrected
	2. The machine stalls at a "printing in process" status in a jam where the paper is not exit to the shift tray. This symptom occurs only when installing the Katana-C2 and the EFI controller. <NOTE> Please apply firmware V1.820 or later for a configuration consisted of the Katana-C2 and the EFI controller.
1.800:58	Symptom Corrected: - Jam115 when changing from Standard size to Non-standard size. Other changes: - Moving distance of initialization has been changed to "2mm after sensor turn-off".
1.600	<NOTE> Please apply Version (V1.600) onward when applying Plockmatic/GBC on the Aegis. Symptom Corrected: 1. During Plockmatic connection, JAM115 occurs when operating manual stapling. 2. During Plockmatic connection, indication of "out of staples" does not disappear even when staples are added after commanding a saddle-stitch job, in which the VICTORIA-E is powered in a "out of staples" status. 3. During Plockmatic connection, when commanding saddle-stitch of more than 2 sheets consisted of a single print using a 12x18 sheet, job completion is not correctly informed in order to start the 2nd stapling function, and results in a "still copying" status. 4. During GBC connection, sheets that are not assigned to be punched are punched. Changes made: When operating saddle-stitch of more than 16 sheets at Plockmatic connection, a the width of the exit guide plate opening will be set to 5mm. b the shutting timing of the exit guide plate will be when 20mm of the leading edge goes through.

Model: **Aries-C1.5/P1.5, AG-C1/P1, AGL-C1/P1, B-C3/C3.5/C4, DDP**	Date: 11-May-06	No.: RB234014o

Version	Modified Points or Symptom Corrected
1.500	Symptom Corrected: 1. Operation stops and will not recover when "stop" button on VICTORIA-E_LED is pressed during stacker exit. 2. Deactivate request cannot be cancelled at Plockmatic connection. 3. Deactivate request cannot be cancelled at GBC connection. 4. Under the condition of having no staples, jam occurs when staple function is released after its operation has been stopped. 5. In Aegis-P1, paper cannot be fed when Plockmatic is connected; indicator shows "full" in shift tray. Other changes: 1. Under staple-mode, single sheet of paper ejected to the shift tray will not be stapled. ※ Although display differs in version-up Finisher Version (1.500:53) and SP mode Version (1.500:52), there is no problem as long as the SP mode Version is set to "1.500".
1.420:51	Changes: Support for Aegis-C1/P1.
1.400:50	Symptom Corrected: ・When the SP adjustment value for the Jogger is set to +1.5mm, the Jogger gradually widens and results in misaligned sheets.
1.310:48	Symptom Corrected: 1. When a jam occurs at the GBC, the number of sheets of recovery is different. (The 1st sheet is omitted.) Other changes: 1. Support for Plockmatic SRA3 size.
1.160	Symptom corrected: 1. JAM 230 sometimes occurs, and the VICTORIA does not send its self-status to machine. 2. Sometimes the VICTORIA cannot align the paper correctly when stapling. 3. If GBC punch is selected during a copy job already set for 3-hole punching, the paper is punched by both the VICTORIA and the GBC punch unit.
1.140	Symptom corrected: 1. The machine stalls and displays "Copying..." if the top sheet on the shift tray is removed after the tray is full. Note: When this occurs, copies cannot be made. 2. The machine displays SC625 instead of a "jam" message when an exit jam occurs with stapled paper. 3. Sometimes, the punch motor does not turn ON. 4. The last sheet of a staple job is not stapled correctly. Conditions: 2 sheets/set, A4 LEF 5. Jam 111 6. The shift tray does not shift (stacking only) after an exit jam at the shift tray is

Model: **Aries-C1.5/P1.5, AG-C1/P1, AGL-C1/P1, B-C3/C3.5/C4, DDP**	Date: 11-May-06	No.: RB234014o

Version	Modified Points or Symptom Corrected
	cleared. 7. SC625 occurs after a staple jam is cleared. Conditions: The staple jam occurs when the operator opens the door during staple stacking. 8. The machine displays "Copying..."if the previous job used mixed-sizes and was cancelled. 9. A error with the jogger fences occurs when using Z-fold stapling mode.
1.100	Latest Firmware Version