# **RICOH**

# Technical Bulletin

## Reissued: 06-Jan-11

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No.: RD016001j Date: 29-Jan-09

### **RTB Reissue**

The items in *bold italics* have been corrected.

Subject: Firmware Release Note: Engine			Prepared by: H. Matsui	
From: PPBG Ser	vice Planning Dept.			
Classification:	Troubleshooting	Part informat	tion	Action required
	Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
3.008:12	D0165252M	December 2010 production	Not available
3.007:12	D0165252L	September 2010 production	Not available
3.006:12	D0165252K	May 2010 production	Not available
3.005:12	D0165252J	April 2010 production	Not available
3.003:12	D0165252G	January 2010 production	Not available
3.002:12	D0165252F	November 2009 production	Not available
3.001:12	D0165252E	October 2009 production	Not available
3.000:12	D0165252D	August 2009 production	Not available
2.001:12	D0165252C	May 2009 production	Not available
2.000:12	D0165252B	March 2009 production	Not available
1.000:12	D0165252A	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.

Version	Modif	ied Points or Symptom C	orrected
3.008 :12	Modified Points:		
	1. Clearance of the fusing	g unit PM counter used to	automatically clear the oil
	filter PM counter. This	counter will not be cleare	d even when clearing the
	fusing unit PM counter	r.	
	Please refer to <appendix< td=""><td>1&gt; for update procedures.</td><td></td></appendix<>	1> for update procedures.	
	Make sure to follow the pr	ocedures when updating.	
	Apply condition:		
	Firmware modules below t	to be applied together as a	set.
	Program Name	Program No.	Version
	System	D0166091E	1.05
	Scanner	D0166097C	1.06
	WebSupport	D0166093C	1.04
	WebUApI	D0166095D	1.13
	Engine	D0165252M	3.008:12
	LCDC	NA:G1785975D	1.07
		EU:G1785976D	
	Language	G1785980B	1.07
3.007 :12	Modified Points:		
	1. SC990 occurs in the follo	owing sequence.	



Model: AG	Model: AG-C1         Date: 29-Jan-09         No.: RD016001					
Version	Modified Points or Symptom Corrected					
	<ul> <li>(1)Paper is fed from tray3 (upper tray of A3LCT).</li> <li>(2)Feed tray falsely switches from Tray3 to Tray4 (lower tray of A3LCT)</li> <li>(3)Pull out and push back in Tray3.</li> <li>(4)Feed tray switches back from Tray4 to Tray3, then SC990 occurs.</li> <li>In a Perfect Binding job, cleaning of the charge in interrupted during job End Process Control causing abnormal image of banding in paper feed direction.</li> <li>Machine remains in idle status when switching the output tray(for instance from the Shift tray to the Proof tray) and the paper runs out.</li> <li>Machine alerts an SC and stops because the PM parts for the Perfect Binder are</li> </ul>					
3.006 :12	<ul> <li><u>Modified Points:</u></li> <li>1. When a jam occurs, around the imaging status.</li> </ul>	area could run idle and n	naintain the idle			
3.005 :12	Modified Points:         1. Failure in Toner Refreshing mode on the Engine firmware version 3.004:12         2. Failure in the PM counter of the Cover Interposer in which the jobs weren't counted					
	<ol> <li>Output of abnormal image; falsely generated stripe pattern</li> <li>Modification of fuser related SP values</li> <li>Modification of SP values to resolve problem of black printed in low density</li> </ol>					
	Apply condition: Apply to the machine working properly with Engine version newer than 3.000:12. For machines with Engine versions older than 3.000:12, first upgrade to 3.000:12 before upgrading to 3.005:12. Please upgrade all the peripheral firmwares to the latest versions.					
	Additional information (in reference to Modified Point 1) Failure in Toner Refreshing mode occurs with Engine firmware version 3.004:12. Please be informed that although the Engine firmware version 3.004:12 was not released due to a defect, some machines in RPL and REI run on 3.004:12.					
	Failure in Toner Refreshing mode (in referen Toner which is supposed to be put on the ITE Toner Refreshing mode is falsely overlapping excessive amount of toner for the belt cleane contamination on the surface and/or edge of	<u>ce to Modified Point 1)</u> 3 with intervals between 3 among the colors result ar to remove. This may c the paper.	the colors in ting in ause			
	<u>Conditions generating the stripes (in reference</u> Process Control is executed when the machin continuously printing low coverage images of which are conditions where the developer un abnormal toner density is detected in this Pro- executed automatically to dispose of deterior output because the toner is falsely put on the Occurrence rate of this symptom is very low.	<u>e to Modified Point 3)</u> ne goes into Stand-by m r running the developer u it contains deteriorated cocess Control, Toner Ref rated toner. Stripes appe sheets instead of the IT	ode either after init in idle, both leveloper. If fresh Mode is ear on the B for disposal.			



Model: AG	Model: AG-C1         Date: 29-Jan-09         No.: RD016001j					
Version	Modifi	ed Points or S	ymptom Corrected			
	<ul> <li><u>IMPORTANT information (in reference to Modified Point 4)</u></li> <li>Fuser related SP default values have been modified on this firmware. Please make sure to follow the below procedure when applying the firmware.</li> <li>a. Confirm whether the customer applies Special 3 or Special 6.</li> <li>b. If applied, print out SMC report.</li> <li>c. Upgrade the firmware.</li> <li>d. Re-input the fuser related values for the following SP settings by referring to the SMC report.</li> </ul>					
	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					
	Default SP values changed for countermeasure of low density of black (in reference to Modified Point 5) • $3-501-010: 0 \rightarrow 1$ • $3-561-031: -0.2 \rightarrow -0.05$ • $3-561-032: -0.1 \rightarrow 0.1$ • $3-561-033: 0 \rightarrow 0.3$ • $3-561-034: 0 \rightarrow 0.3$					
3.003 :12	<ul> <li>3-501-035. 0.12 9 024</li> <li>Modified Points: <ul> <li>To prevent the failure of SK5000 full sensor LED lighting.</li> <li>To transmit the adjustment values of SR5000, such as poison of punch hole, to the main frame, when Plockmatic is attached.</li> <li>Countermeasure for obstacle of Perfect binder inserter, when nonstandard-size media is set.</li> <li>To prevent the occurrence of Jam, when outputting the stacker sample of media size mixed data.</li> <li>To prevent the occurrence of many Jam notifications when the registration is working abnormally.</li> <li>To Improve the failure of small job interval during the work for every 30 pages</li> <li>To prevent false positive of detecting SC, when the front door is open and removed the Fuser Unit. Usually it should not detect any SC.</li> <li>Changed the standard value for detecting the near end. (Changed the default SP values)</li> <li>Countermeasure against, " when output is in color mode, only black date comes out and YMC data do not come out and appeared as white."</li> </ul> </li> </ul>					
	For the machine with engine Engine version to 3.000:12, a Updates to the following vers	version older the and then update sions are require	an 3.000:12, previously ( it to 3.003:12. d for all peripherals lister	update the		
		Program No.	Version			
	CI5010	B8355510F	V2.071:42			



Model: AG	Model: AG-C1         Date: 29-Jan-09         No.: RD016001					
Version	Modified Points or Symptom Corrected					
	CI5010	B8355510F		V2.071:42		
	SR5000	B8305102P		V1.820:59		
	RB5000	Main: D392551	0E	V1.290:04		
		Sub: D3925520	DC	V1.060:01		
	GB5000					
	P-Binder_B1	D3915020D		V0.310		
	P-Binder_B2	D3915070D		V0.220		
	P-Binder_B3	D3915730A		V1.19		
	P-Binder_B4	D3915120B		V0.150		
	P-Binder_B5	D3915170B		V0.260		
	BK5000	B8365550B		V2.17:15		
	SK5000			14 00.40		
		D3045020_P1		V4.02:12		
	2 Slacker	D3045020_P2		1/1 000:02		
		W3791702A		v 1.000.03		
	Type 3000					
	Cause of "when output is in	color mode. only	black date of	comes out a	nd YMC data do	
	not come out and appeared	as white."				
	When first printing in B/W n	node, then if the f	ull color prin	iting mode b	egins within	
	127ms, after the last page of	of B/W print passe	es the Paper	Transfer Ro	oller, printing	
	mode dose not change from	n B/W printing mo	de to full col	or printing m	node, which	
	causes this symptom. Due	to a very small tir	ne interval,	this sympton	n seldom	
	OCCURS.					
	In the following cases, there	e is a possibility tr	iat this symp	ntom might o	ccurs.	
	<ul> <li>When the process cont</li> </ul>	rol takes place by	Iwaan B/W	nade and Fi	Ill color paper	
	while printing			page and i t		
	<ul> <li>When B/W pages and F</li> </ul>	-ull color pages a	re mixed in	one job.		
	. 2			-		
	We recommend you to upda	ate the Engine Fir	mware, in o	rder to preve	ent this	
	symptom from happening.					
	With observing the standard	value for detectiv	a the peer	and followin	a SD default	
	values have changed		ig the hear e		y SP delault	
	SP3-411-001 $\cdot$ 10 (times) $\rightarrow$	3 (times)				
	SP3-411-002 : 10 (times) →	· 3 (times)				
	SP3-411-007 : 500 (g) → 15	50 (q)				
	SP3-411-008 : 500 (g) → 15	50 (g)				
	These SP values were char	nged, because of	making the	values for m	easure against	
	light spot / fire fly as default values. (refer to RG178077)					
3.002 :12	Modified Point:					
	To prevent false positive of JAM 146.					
	Apply conditions					
	Apply conductions Apply to the machine working	na properly with e	ither Enging	Version 2 M	00.12 or	
	3.001:12.	ig property with e			50.12 01	
	For the machine with engine	e version older th	an 3.000:12	previously i	update the	
	Engine version to 3.000:12.	and then update	it to 3.002:1	2.		



Model: AG	9-C1		Date: 29-Jan-09	No.: RD016001j	
Version	Modi	fied Points or S	wmptom Corrected		
3.001 :12	JAM 146 occurrence conditions: JAM146 does not occur when ZF 4000 is attached. Following conditions are when ZF 4000 is not attached. Inserter + RB 5000 Inserter + SK 5000 Inserter + SK 5000 + SK 5000				
	To prevent false positive of SC418, SC418 threshold value is changed.         Apply condition         Apply to the machine working properly with Engine version 3.000:12         Matters that require attention after updating         Updated Firmware for GB5000 is indicated in red. After finish updating the Engine         firmware to version 3.001:12, please update the firmware for GB5000 to the new				
		Program No.	Version		
	GB5000V0.31P-Binder_B1D3915020DV0.31P-Binder_B2D3915070CV0.21P-Binder_B3D3915730AV0.13P-Binder_B4D3915120BV0.15P-Binder_B5D3915170BV0.26Notes•Make sure to update the peripherals in order of proximity to the main frame				
	<ul> <li>For GB5000, 5 boards</li> <li><u>Technical Bulletin correction</u></li> <li>Appendix 1, 6. Peripheral U</li> </ul>	on pdate: SK5000 v	ersion is corrected.		
3.000 :12	2       Please refer to <appendix 1=""> for update procedures. Ensure to follow the procedures when updating.         *Please make sure that ALL versions listed below are updated concurrently.         Program Name       Program No.         Version</appendix>				
	Scanner	D0166097B	1.05		
	WebSupport	D0166093B	1.03		
	WebUApl	D0166095C	1.12		
	Network Support(NCS)	D0166092B	7.04.1		
	Network DocBox(NFA)	D0166096B	1.03		
	Engine	D0165252D	3.000:12		
		NA:G17859750	C 1.06		



Model: AG	Model: AG-C1 Date: 29-Jan-09 No.: RD01600					
Version	Modified Points or Symptom Corrected					
		EU:G17859760	)			
	Animation	D0166094A		1.6		
	Language	G1785980A		1.06		
	Fiery Server	-		4.0		
	* Update to the following ve	rsions is required	for all perip	herals listed	below.	
	g and to the forming for	Program No.		Version		
	CI5010	B8355510F		V2.071:42		
	SR5000	B8305102P		V1.820:59		
	RB5000	Main:D392551	0E	V1.290:04		
		Sub: D3925520		V1.060:01		
	GB5000					
	P-Binder B1	D3915020C		V0.28		
	P-Binder B2	D3915070B		V0.19		
	P-Binder B3	D3915730A		V0.13		
	P-Binder B4	D3915120B		V0.15		
	P-Binder B5	D3915170A		V0.25		
	BK5000	B8365550B		V2.17:15		
	SK5000					
	1 <sup>st</sup> stacker	D3645620 P1		V4.02:12		
	2 <sup>nd</sup> stacker	D3645620 P2				
	Buffer Pass Unit	M3791702A		V1.000:03		
	Туре 5000					
	<ul> <li>Make sure to update the peripherals in order of proximity to the main frame.</li> <li>Do not update consecutively by selecting several peripherals.</li> <li>For GB5000, 5 boards can be updated consecutively.</li> <li>For RB5000, 2 boards can be updated consecutively.</li> <li><u>1. The adjustable range of the fusing temperature</u> The adjustable maximum value has been modified from 200 degrees to 205 degrees.</li> <li><u>2. The adjustable range of "Idle Time: After Reload"</u> The adjustable maximum value of "Idle Time: After Reload" has been modified from 15 minutes to 60 minutes.</li> </ul>				e main frame. ees. om 15 minutes to	
	3. The modification of SP from ta When "NVRAM clear" was excus Therefore, the status of use beco be impossible. To prevent this, the SP has beer SP1-902-001: Web Consumption SP1-903-001: Web: Total Page SP1-903-002: Web: Total Motor SP1-904-014: Oil End Counter <u>4. The countermeasure for toner</u> The following modification will be The additional SP are (1), (4), (5)	arget to not target of sed, the following SF omes unclear, and the n removed from the for Counter Rotation Time <u>blister</u> e enforced for the co ) and (6).	"NVRAM clea value also ha ne exchange a target at the "N untermeasure	<u>rr"</u> ad been cleare at the appropria NVRAM clear" control for ton	d. ate timing might time. er blister.	
	(i) the addition of the toner blist	er countermeasure	mode switchin	g		



Model: AG	Model: AG-C1         Date: 29-Jan-09         No.: RD016001j				
Version	Modified Points or S	wmptom Corrected			
	[New SP] SP1-208-001 Toner Blister Control Blister * The default 0: OFF. When it is ON, the following (2	0:OFF 1:ON 2) – (6) become effective.			
	(2) Eliminating pressure while warming-up (The pres except during printing.)	sure has been modified to be	e eliminated		
	(3) Imminent pressure control just before printing (Immediately apply pressure before printing.) The pressure roller is nipped immediately before printing, and it is changed to the printing mode.				
	<ul> <li>(4) Setting "the pressure reloading temperature" and "the waiting temperature" at 90 degrees.</li> <li>[New SP] Toner Blister Control Press Roll</li> <li>SP1-208-002 Ctr: Reload[70to160/90/1 degrees]</li> <li>SP1-208-003 Ctr: Idle: Reload[70to160/90/1 degrees]</li> <li>SP1-208-004 Ctr: Standby: Normal Temp[70to160/90/1 degrees]</li> <li>SP1-208-005 Ctr: Standby: Low Temp[70to160/90/1 degrees]</li> <li>SP1-208-006 Ctr: Standby: High Temp[70to160/90/1 degrees]</li> </ul>				
	(5) Setting the pressure roller temperature at 90 deg [New SP] Toner Blister Control Press Roll SP1-208-007 Thin: Press Roll Temp [70to160/90 SP1-208-008 Normal: Press Roll Temp [70to160/ SP1-208-009 Middle: Press Roll Temp [70to160/ SP1-208-010 Thick1: Press Roll Temp [70to160/ SP1-208-011 Thick2: Press Roll Temp [70to160/ SP1-208-012 Thick3: Press Roll Temp [70to160/	rees while pre-rotation. /1 degrees] /90/1 degrees] 90/1 degrees] 90/1 degrees] 90/1 degrees] 90/1 degrees]			
	<ul> <li>(6) The low-power control when toner blister counter The pressure roller setting temperature is set at 90 of [New SP] Toner Blister Control Press Roll SP1-208-013 Temp: Low Power Mode [70to150/9</li> </ul>	measure control is switched degrees. 90/1 degrees]	on		
	5. The modification of the control of winding the fusion When removing the jammed paper by rotating the fu- the surface waviness of the web occurs by the rotati "The fusing belt" rotates at the same time when the paper jam is processed. Therefore, the surface waviness is not completely set into the cleaning unit at worst. The operation after paper jam processing has been The control is modified to rotate the fusing belt after finished.	ng web ising knob after the occurrence on of the fusing belt. operation of web winding is e plved; the web is winded in ar modified for improvement: "the operation of web winding	ce of paper jam, nforced after the nd it is exhaled g" is completely		
	<ul> <li><u>6. Correspondence to concentration variation by ten</u> It is likely to become a non-standard printing extra d temperature rise in the machine, and SC367 occurs The occurrence is seen especially when changing in black mode.</li> <li>Both "before entering into the start-up sequence whe time from black mode to FC mode", the potential Pro- the temperature in the machine has been changed r enforced last time.</li> <li>According to this, the following SP is newly added.</li> </ul>	nperature change in the mach ensity due to the VL decrease in the worst case. ito FC mode after printing in I en printing is demanded" and oCon (process control) will be nore than 2 degrees from wh	nine e because of the arge quantity in "at switchover e enforced when en the ProCon is		
	Before Job Process Control SP3-555-003:Temperature Range ON/OFF *0:ON 1:OFF				
	SP3-555-004: Temperature Range				



Technical Bulletin

Model: AG	Model: AG-C1 Date: 29-Jan-09 No.: RD016001j					
Version	Modified Points or S	ymptom Corrected				
	0to99/2/1 degrees					
	<u>7. Specification modification of "short idle time" ProC</u> If the low coverage printing is repeated after "short id ProCon, the development $\gamma$ (gamma) will drop to the may not be obtained.	Con and <u>"temperature change</u> dle time" ProCon or "tempera lower limit and the appropria	<u>" ProCon</u> ture change" te image density			
	For improving this, the execution condition of the toner density adjustment of "short idle time" ProCon and "temperature change" ProCon has been modified. The condition after modification is the same as the execution condition of "job end ProCon"					
	The toner density adjustment is executed upon the satisfaction of the following conditions. (1) When the development $\gamma$ (the detected value) is lower than 1.2. (2) When the absolute value of $\Delta \gamma$ =the development $\gamma$ (the targeted value) – the development $\gamma$ (the detected value) is over 0.2.					
	8. "Short idle time" ProCon There have been cases that the density depression occurs. The density depression in this case can be avoided	after short idle time (30 minut	tes to 6 hours) oCon before the			
	job. However, only the way to correspond was to change the time interval of the "short idle time" ProCon from 6 hours(default) to 30 minutes because there was no potential ProCon mode that is executed automatically by idling for a short time (more than 30 minutes) at the moment.					
	However, the "short idle time" ProCon contains dever fade removal mode and oil removal mode as a set. The problem was that the waiting time until the endina about 4 minutes) and the toner is uselessly consume Therefore, the mode that executes only the potentia minutes) is newly added.	However, the "short idle time" ProCon contains developer agitation, adjustment of toner density, fade removal mode and oil removal mode as a set. The problem was that the waiting time until the ending of ProCon is too long (for a maximum of about 4 minutes) and the toner is uselessly consumed. Therefore, the mode that executes only the potential ProCon after idling for a short time (about 30 minutes) is newly added.				
	The potential ProCon execution mode is newly adde conditions.	d upon the satisfaction of the	following			
	[Timing of call] Before entering into the start-up sequence when prir	nting is demanded				
	[Execution condition] - The idling time from the end of the last job is more (Before Job ProCon Idling Time). - The idling time is less than the setting value of SP3 Setting).	e than the setting value of SP 3-554-002 (Init ProCon Set No	3-555-002 on-use Time			
	The following SP are newly added with the above m	odification.				
	SP3-555-001: Before Job Procon Short Idle Time O 0:ON *1:OFF	N/OFF				
	SP3-555-002: Before Job Procon Idling Time 0to999/20/1min					
	9.Support of Buffer Pass Unit Type 5000 and Perfe 10. Support of a newly added function of the Engine pressing a button in the User Tools	ct Binder GB5000 , which enables an easy test	solid print by			



Model: AG	G-C1		Date: 29-Jan-09	No.: RD016001j	
Version	Modi	fied Points or S	ymptom Corrected		
2.001 :12	Please apply the above only for machines operated under the following				
	preconditions.			-	
	Program Name	Program No.	Version		
	System	D0166091C	1.03		
	WebUapl	D0166095B	1.09		
	Engine	D0165252B	2.000:12		
	LCDC	NA:G1785975E	3 1.04		
		EU:G1785976E	3		
	Scanner	D0166097A	1.03		
	Language	G1785980	1.01		
	Web Support	D0166093A	1.00		
	Network Support(NCS)	D0166092A	7.03		
	Network DocBox(NFA)	D0166096A	1.01		
	distinguish the serial numbe 2. Color Controller E80 corr "1:EFI controller" of the defa Settings) discriminates auto (Not used for D016)	mber of D080. correspondence default setting of SP5193-001(External Controller Info. automatically between the built-in type and E80.			
2 000 .12	* Please make sure that Al	l versions listed l	pelow are undated co	ncurrently	
2.000.12	Program Name	Program No.	Version		
	System	D0166091C	1.03		
	WebUapl	D0166095B	1.09		
	Engine	D0165252B	2.000:12		
	LCDC	NA:G1785975E EU:G1785976E	3 1.04		
	Scanner	D0166097A	1.03		
	Language	G1785980	1.01		
	Web Support	D0166093A	1.00		
	Network Support(NCS)	D0166092A	7.03		
	Network DocBox(NFA)	D0166096A	1.01		
	Fiery Server	-	3.0		
	* Update to the following ve	rsions is required	for all peripherals list	ed below.	
	Program Name	Program No.	Version		
	SR5000 Finisher	B8305102M	1.60		
	Cover Interposer Tray	B8355510E	02.070		
	Ring Binder RB5000	Main:D3925510	D Main:1.2	80:04	
		Sub :D3925520	0B Sub :1.0	50:01	
	High Capacity Stacker	1st:D3645620_ 2nd:D3645620_	P1 4.02:12 _P2		
	Booklet Finisher BK5000	B8365550B	2.17		
	Note				
	* Peripherals must be updat the mainframe. Do NOT	ted ONE at a time attempt to select	e, starting from the ma and update multiple F	achines closest to irmware at once.	



Model: AG	Model: AG-C1 Date: 29-Jan-09 No.: RD0160		No.: RD016001j
Version	Modified Points or S	ymptom Corrected	
	<ul> <li>* For the Ring Binder RB5000, Main and Su</li> <li>1. Connections of the following peripherals Ring Binder RB5000, High Capacity Stac</li> <li>2. Web Cleaning Unit: Near End/End Clear corrected. Work procedure after the Wel follow the instructions prescribed in the S</li> <li>3. PM counter newly added for the High Ca</li> <li>4. Occurrence of JAM 20 when switched to BY5000 from the mainframe bank.</li> </ul>	b shall be updated toget are now available. ker SK5000, PLOCKMA Error (RTB No. RG1780 o Cleaning Unit replacer Service Manual. pacity Stacker SK5000 the second LCT-Multi B	ther. ATIC,GBC 040) has been ment can now
1.000:12	1st Mass production		



Date: 29-Jan-09

No.: RD016001j

### Reissued: 06-Jan-11

Model: AG-C1

### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or

1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) Watchdog Timeout ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



Model: AG-C1	Date: 29-Jan-09	No.: RD016001j

[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card..

For	Aegis-	C1

Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSys	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version		
Engine	G1785252G	V3.000:12		

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

Date: 29-Jan-09

No.: RD016001j

# 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

U		
Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

ram No	Version
	00101011
36094A	V1.6
ì	6094A

For Aegis-P1

Program name	Program No.	Version	
Animation	G1786094B	V2.2	

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.

# **RICOH**

### Reissued: 06-Jan-11

Model: AG-C1	Date: 29-Jan-09	No.: RD016001j

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	gereit	
	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main:D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.02:12
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Туре5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.



# Technical Bulletin

## Reissued: 03-Aug-09

Model: AG-C1 Da		Dat	Date: 29-Jan-09 No.: RD		No.: RD016002a	
RTB Reissue The items in bol	d italics have been corre	ected.				
Subject: Firmware Release Note: Network DocBox Pre			Prepared	d by: N. I	ida	
From: PPBG QA	Service Planning Dept.					
Classification:	Troubleshooting	Part inf	ormat	tion	Action	n required
	Mechanical	Electric	al		Servic	e manual revision
	Paper path	🗌 Transm	it/rec	eive	Retrof	fit information
	Product Safety	🛛 Other (		)	Tier 2	

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

Version	Program No.	Effective Date
1.03	D0166096B	August 2009 production.
1.01	D0166096A	1st Mass production

Version	Modified Points or Symptom Corrected			
1.03	1. Support for Buffer Pass Unit Type 5000 and Perfect Binder GB5000			
	Please refer to <appendix< td=""><td>1&gt; for update procedure</td><td>es.</td></appendix<>	1> for update procedure	es.	
	Make sure to follow the pi	rocedures when updating	y.	
	*Diagon make any that Al	I waraiana liatad balaw		
	Please make sure that Al	L versions listed below	Voroion	
	Program Name			
	System	D0166091D	1.04	
	Scanner	D0166097B	1.05	
	webSupport	D0166093B	1.03	
	WebUApl	D0166095C	1.12	
	Network Support (NCS)	D0166092B	7.04.1	
	Network DocBox (NFA)	D0166096B	1.03	
	Engine	D0165252D	3.000:12	
	LCDC	NA:G1785975C	1.06	
		EU : G1785976C		
	Animation	D0166094A	1.6	
	Language	G1785980A	1.06	
	Fiery Server	-	4.0	
		-		
	* Update to the following	versions is required for a	Il peripherals listed below.	
		Program No.	Version	
	CI5010	B8355510F	V2.071:42	
	SR5000	B8305102P	V1.820:59	
	RB5000	Main : D3925510E	V1.290:04	
		Sub: D3925520C	V1.060:01	
	GB5000			
	P-Binder_B1	D3915020C	V0.28	



Model: AG	del: AG-C1 Date: 29-Jan-09 No.: RD010			No.: RD016002	а	
Version	Modified Points or Symptom Corrected					
	P-Binder_B2	D3915070B		V0.19		
	P-Binder_B3	D3915730A		V0.13		
	P-Binder_B4	D3915120B		V0.15		
	P-Binder_B5	D3915170A		V0.25		
	BK5000	B8365550B		V2.17:15		
	SK5000					
	1 <sup>st</sup> stacker	D3645620_P1		V4.02:12		
	2 <sup>nd</sup> stacker	D3645620_P2				
	Buffer Pass Unit	M3791702A		V1.000:03		
	Туре 5000					
	Note					
	<ul> <li>Make sure to update</li> </ul>	e the peripherals	in order of	<sup>r</sup> proximity	to the main	
	frame.				_	
	Do not update cons	ecutively by sel	ecting seve	ral periphe	erals.	
	• For GB5000, 5 board	ds can be updat	ed consecu	tively.		
	• For RB5000, 2 board	ds can be update	ed consecu	tively.		
1.01	1st Mass production					



Date: 29-Jan-09

No.: RD016002a

### Reissued: 03-Aug-09

Model: AG-C1

### <Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or

1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



Model: AG-C1	Date: 29-Jan-09	No.: RD016002a

[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card..

For	Aenis-	C1
1 01		~ .

FUL ACUIS-C I			
Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSupport	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

Date: 29-Jan-09

No.: RD016002a

# <u>3. OpePanel Update</u>

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

U		
Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

### For Aegis-P1

	-	
Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version		
Animation	G1786094B	V2.2		

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version		
Language	G1785980A	V1.06		

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



Model: AG-C1	Date: 29-Jan-09	No.: RD016002a

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Туре5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# **RICOH**

# Technical Bulletin

**PAGE: 1/1** 

Model: Aegis-P1 D			Dat	:e: 27-Nov-	-08	No.: RG178027
Subject: Extension of Print Ready time		Prepared by: M. Kudoh		Kudoh		
From: PPBG QA/	Service Planning Dept.					
Classification:	Troubleshooting	Part information		n required		
	Mechanical	Electric	al		Servic	e manual revision
	Paper path	🗌 Transm	it/rec	eive	Retrof	fit information
	Product Safety	Other (		)	🛛 Tier 2	

# SYMPTOM

The G178 printer or D016 copier does not get to the print ready condition within the first print or copy time.

# CAUSE

The automatic fusing oil supplement for the G178 or D016 machine is executed if the machine is in the fusing oil near end condition when resetting the PM counter (except the fusing cleaning unit) in the fusing unit or after the machine has not been turned on for more than one week. The automatic fusing oil supplement takes 750 seconds.

# SOLUTION

- 1. Check the machine condition before installing a new PM part for the fusing unit or turning on a machine which has not been turned on for more than one week.
- 2. Supply fusing oil to the fusing unit in the G178 or D016 machine if fusing oil near end has been displayed on the operation panel.



# Technical Bulletin

## Reissued: 26-Jun-13

Product Safety

Model: AG-C1	el: AG-C1 Da		Date: 29-Jan-09		No.: RD016003c
RTB Reissue The items in bold italics have been corrected.					
Subject: Firmware Release Note: Network Support Prepared by: T.Miyamoto					liyamoto
From: 1st PP Tec	ch Service Sect., PP Tech	n Service Dept.			
Classification:	Troubleshooting	Part info	ormat	ion 🗌 Actior	n required
	🗌 Mechanical	Electrica	al	Servio	ce manual revision
	Paper path	🗌 Transm	it/rec	eive 🗌 Retro	fit information

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

🛛 Other (

)

Tier 2

Version	Program No.	Effective Date	Availability of RFU
7.07	D0166092D	May 2013 production	Not available
7.06	D0166092C	October 2010 production.	Not available
7.04.1	D0166092B	August 2009 production.	Not available
7.03	D0166092A	1st Mass production	Not available

Version	Modified Points or Symptom Corrected
7.07	Symptom corrected:
	- An httpd timeout has been implemented to prevent Web Image Monitor lockups that sometimes occurred when applications accessed the MFP by http. (GFPE#RC10060010)
	<ul> <li>Scan to SMB fails if the file submitted to the DFS folder in the destination and the file of the same name exist in the DFS folder.</li> </ul>
	<ul> <li>If Windows Authentication is enabled, printing a large number of copies of a job might take longer than might typically be expected.</li> </ul>
	<ul> <li>Chunk Transfer Encoding over an IPP port might results in print jobs being reset.</li> </ul>
	<ul> <li>If SSDP = Active (Web Image Monitor &gt; Configuration &gt; Network Security),</li> <li>a high load on the CPU might result in Web Image Monitor locking up.</li> </ul>
	<ul> <li>MFP with an external controller will lose network connectivity. This only occurred if the network settings were changed repeatedly and the MFP's "NetWare" setting was already "Active" (before the network settings were changed).</li> </ul>
	<ul> <li>The MFP icon might not be shown in the Windows "Network" dialogue if SSDP is enabled. This affected Windows Vista. 2008/R2. and 7.</li> </ul>
	<ul> <li>Under very specific combinations of IP address, Subnet Mask, and Gateway address, some of the MFP's network configuration settings might revert to defaults</li> </ul>
	<ul> <li>Use of an IP address to send a Scan to SMB might result in the scanned document not being sent.</li> </ul>
	- Scan to SMB fails if the both of the following conditions are met.
	<ul> <li>Either the device has NBT disabled or it is enabled but the device is unable to resolve the destination's NetBIOS name.</li> </ul>
	- One or more octets in the destination's IPv4 address contain leading zeros.



Model: AC	AG-C1 Date: 29-Jan-09 No.: RD016003c				
Version	Modified Points or Symptom Corrected				
	<ul> <li>SC991 might occur and network functions could not be used. This occurs if DHCP and DDNS are both enabled in the device and if the DHCP server distributes to the device an FQDN that is more than 127 byte in length.</li> <li>Device applications or services that use any of port 80, 443, 7443 or 7444 could not be used. This occurs if the illegal packet is sent after SSL negotiation handshake to any of the device's TCP ports 443, 7443 or 7444. Affected applications include Web Image Monitor, IPP Printing and @Remote.</li> <li>If "CNAME" is specified as the destination folder, ScanTo Folder will abort.</li> <li>When NBT is "OFF", Browse list is not shown if touch the Browse Network button on destination folder of Scan to folder.</li> <li>Cannot scan to shared folders in Mac OS X 10.7 or Mac OS X 10.8. This firmware is dependent on the following firmware modules. Please be sure to update all of them: System/Copy firmware v1.06 (D0166091F) or later.</li> </ul>				
	Following Firmware need	to be updated too	gether.		
		Part number	Version		
	System/Copy	D0166091F	1.06		
	Network Support	D0166092D	7.07		
	Scanner	D0166097D	01.07		
7.06	<ol> <li>Unable to Scan to SMB</li> <li>Unable to Scan to SMB and Samba v2.x.</li> <li>Windows Authentication European characters.</li> <li>The device's SMB timed being used across subn</li> <li>The MFP's IP address learejected by DHCP relay until the MFP reinitialize</li> <li>Scan to SMB is unable to characters.</li> <li>Windows authentication contains 2 byte characters</li> <li>When the device IP add the domain specified by be overwritten by the do</li> <li>If the MFP/LP has a stat sends a HELO using just to include the client's FO the MFP/LP was unable</li> <li>Unable to Scan to SMB that have Windows Live</li> <li>Trying and failing to logi Scanner application stal</li> <li>Unable to Scan to SMB using an IP address.</li> </ol>	to destination that to destinations that a fails if the usernar but was too short (1 ets. For this reason ease renewal reque agents. This will re- s the network conr to send documents might fail on a dor ers. ress and DNS serve the device setting main obtained from tically configured IF st its hostname. SM DN will close the of to send emails. to Windows 7 or W ID Sign-in assistant n to a Scan destination. to Windows 98/985	at is not specified using t are using both LM Au me or password include Isec). This caused proin, it has been increase est is incorrectly forma esult in a loss of connenection (10 seconds). to a hostname contain main controller whose I ver location are obtaine "IPv4 > Domain Name n DHCP. P address and domain, ITP servers that requir connection. The result Vindows Server 2008 F nt installed. ation three times might SE/Me/NT 4.0 destinat	g an FQDN. Ithentication es lower-case blems when d to 10 sec. Ited and ictivity that lasts ning 2byte hostname ed from DHCP, > Specify" will , it always re client HELOs of this was that R2 destinations t result in the tions specified	



Model: AC	G-C1		Date: 29-Jan-09	No.: RD016003c
Version	Modi	ified Points or S	ymptom Corrected	
	13. The SMB retry function	fails to retry the s	sending of failed SMB tra	nsfers (Scan to
	SMB or Fax delivery).			
	14. Unable to retrieve the V	Vindows group na	me from a Windows 200	8 R2 server
	during Windows Auther	ntication. Because	e of this, logged in users	will only be
	granted the "Available I	-unctions" specifie	ed for them in the Addres	SSDOOK.
	has a name consisting	of more than 20 h	wtes. To address this iss	ue the
	supported group name	length will be incr	eased to 40 bytes.	
	16. The MFPr's Windows	Authentication fu	nction is unable to use K	erberos when
	being authenticated on	a Windows 2008	or Windows 2008 R2 se	rver. The MFP
	will still be successfully	authenticated be	cause it is able to fail bac	ck to NTLMv2.
	17. After changing the MFF	's DNS server ad	dress or Domain name,	Scan to SMB
	destinations specified using a hostname might not be found.			
	18. The Scan to SMB "Connection Test" fails if performed on directory located			
	directly below a DFS to	e "Connection Te	nection rest falled, scar st" worked if performed c	ining was
	directory.			
	19. The device might return	n an SC 819 error	when browsing the netw	ork using
	SMB. This only occurre	d if SMB was bro	wsed frequently and the	device was not
	rebooted.			
	20. If the MFP's IP address is changed to an IP address of another subnet, users			
	will not be able to browse the network (using Scan to SMB) until the MFP is reported			
	rebooled.			
	Please refer to < Appendix	1> for update prod	cedures	
	Ensure to follow the proced	lures when updati	na	
			0	
	*Please make sure that AL	L versions listed b	elow are updated concu	rrently.
	Program Name	Program No.	Version	
	System	D0166091D	1.04	
	Scanner	D0166097B	1.05	
	WebSupport	D0166093B	1.03	
		D0166095C	1.12	
	Network DeeDev(NEA)	D01000920	1.00	
		D0165252	2.007:12	
		NA-G17850750	2 1.06	
		EU:G17859760		
	Animation	D0166094A	1.6	
	Language	G1785980A	1.06	
	Fiery Server	-	4.0	
	* Update to the following ve	ersions is required	I for all peripherals listed	below.
		Program No.	Version	
	CI5010	B8355510F	V2.071:42	
	SR5000	B8305102P	V1.820:59	
	RB5000	Main:D392551	0E V1.290:04	
		Sub: D392552	0C V1.060:01	
	GB5000			
	P-Binder_B1	D3915020C	V0.28	



Model: AG	à-C1		Date: 29-J	an-09	No.: RD016003c
Version	Modi	fied Points or S	ymptom Co	orrected	
	P-Binder_B2	D3915070B		V0.19	
	P-Binder_B3	D3915730A		V0.13	
	P-Binder_B4	D3915120B		V0.15	
	P-Binder_B5	D3915170A		V0.25	
	BK5000	B8365550B		V2.17:15	
	SK5000				
	1 <sup>st</sup> stacker	D3645620C_P	1	V4.08:15	
	2 <sup>nd</sup> stacker	D3645620C_P	2		
	Butter Pass Unit	M3791702C		V2.030:05	
	Lippe 5000				
		ho poriphorale in	ordor of pro	ovimity to th	o main frama
	<ul> <li>Make sure to update</li> <li>Do not update consort</li> </ul>	ne periprierais in autivoly by colocti			le main name.
	<ul> <li>Do not update conset</li> <li>Eor GB5000, 5 boarde</li> </ul>	can be undated	consecutive		
	<ul> <li>For BB5000, 3 boards</li> <li>For BB5000, 2 boards</li> </ul>	s can be updated	consecutive	ery. elv	
			Consecutive	Siy.	
7.04.1	1. Correction involving a pr	oblem with 1Psec	connection.	When atter	mpting to
	connect another Window	s Vista PC or Win	dows Server	2008 to the	machine via
	1Psec connection 5 minu	tes at minimum o	r 48 hrs at m	aximum afte	er the
	connection of the first PC	, the second PC o	or the server	cannot mak	e its 1Psec
	connection to the machin	е.			
	Disconneter to Ammondia	1. four undeter over	a du una a		
	Ensure to follow the proceed	i > ioi upuale proc	edures.		
		lures when upuali	ng		
	*Please make sure that AL	versions listed b	elow are upo	dated concu	rrently.
	Program Name	Program No.		Version	, ,
	System	D0166091D		1.04	
	Scanner	D0166097B		1.05	
	WebSupport	D0166093B		1.03	
	WebUApl	D0166095C		1.12	
	Network Support (NCS)	D0166092B		7.04.1	
	Network DocBox(NFA)	D0166096B		1.03	
	Engine	D0165252D		3.000:12	
	LCDC	NA:G17859750	;	1.06	
		EU:G17859760	;		
	Animation	D0166094A		1.6	
	Language	G1785980A		1.06	
	Fiery Server	-		4.0	
	* I Indata ta tha fallowing va	reione is required	for all parink	oorala listad	bolow
		Program No	ior all peripr	Vorcion	Delow.
	CI5010	R8255510E			
	SP5000	D0000010F		V2.071.42	
	BR5000	D0303102F	า⊏	V1.020.09	
		Sub D202520		V1.290.04	
	GB5000			v1.000.01	
	P-Binder B1	D3915020C		V0 28	
	P-Binder R2	D39150200		V0.20	
		000100100		•0.10	



Model: AG-C1			Date: 29-Jan-09	No.: RD016003c	
Version	Modif	ied Points or S	ymptom Corrected		
	P-Binder_B3	D3915730A	V0.13		
	P-Binder_B4	D3915120B	V0.15		
	P-Binder_B5	D3915170A	V0.25		
	BK5000	B8365550B	V2.17:15		
	SK5000				
	1 <sup>st</sup> stacker	D3645620_P1	V4.02:12		
	2 <sup>nd</sup> stacker	D3645620_P2			
	Buffer Pass Unit	M3791702A	V1.000:03	3	
	Туре 5000				
	Note				
	• Make sure to update the peripherals in order of proximity to the main frame.				
	<ul> <li>Do not update consecutively by selecting several peripherals.</li> </ul>				
	<ul> <li>For GB5000, 5 boards can be updated consecutively.</li> </ul>				
	• For RB5000, 2 boards	can be updated	consecutively.		
7.03	1st Mass production				



Date: 29-Jan-09

No.: RD016003c

### Reissued: 26-Jun-13

#### Model: AG-C1

### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required

operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.





#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



	Model: AG-C1	Date: 29-Jan-09	No.: RD016003c
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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card...

For Aggie_C1			
	For	Aedi	is-C1

Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSupport	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

### Date: 29-Jan-09

No.: RD016003c

### 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version		
Animation	G1786094B	V2.2		

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



Model: AG-C1	Date: 29-Jan-09	No.: RD016003c

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# **RICOH**

# Technical Bulletin

## Reissued: 26-Jun-13

Model: AG-C1	Date: 29-Jan-09	No.: RD016004c
RTB Reissue		

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

	iu nancs nave been cone			
Subject: Firmware Release Note: Scanner			Prepared by: T. Miyamoto	
From: 1st PP Tec	h Service Sect., PP Tech Serv	vice Dept.		
Classification:	Troubleshooting	Part informat	tion	Action required
	🗌 Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.07	D0166097D	May 2013 production	Not available
1.06	D0166097C	December 2010 production.	Not available
1.05	D0166097B	August 2009 production.	Not available
01.03	D0166097A	1st Mass production	Available

Note: Definition of Availability of RFU via @Remote

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

Version	Modified Points or Symptom Corrected						
1.07	Symptom corrected:						
	<ol> <li>Some "File Access Privilege Change" log's entries for the CSV file that downloaded via Web Image Monitor are occurred the following phenomena.</li> <li>"User Entry ID" is always displayed as "0x00000000".</li> <li>"User Code /User Name" is appeared as garbage characters.</li> </ol>						
	Following Firmware need	Part number	Version				
	System/Copy	D0166091F	1.06				
	Network Support	D0166092D	7.07				
	Scanner	D0166097D	01.07				
1.06	<ol> <li>The firmware has been modified accordingly with a correction made on a different model that applies a common module.</li> <li>Please refer to <appendix 1=""> for update procedures.</appendix></li> <li>Make sure to follow the procedures when updating.</li> </ol>						
	Apply condition: Firmwares below to be applied together as a set.						
	Program Name	Program Name Program No. Version					
	System	D0166091E	1.05				
	Scanner	D0166097C	1.06				
	WebSupport	D0166093C	1.04				



Model: AG-C1			Date: 29-J	an-09	No.: RD016004c	
Version	Modi	fied Points or S	ymptom Co	orrected		
	WebUApl	D0166095D		1.13		
	Engine	D0165252M		3.008:12		
	LCDC	NA:G1785975	)	1.07		
		EU:G1785976	)			
	Language	G1785980B		1.07		
1.05	1.Support of Buffer Pass U	nit Type 5000 and	Perfect Bin	der GB5000	)Buffer	
	Please refer to <appendix< td=""><td>I &gt; for update procession</td><td>cedures.</td><td></td><td></td></appendix<>	I > for update procession	cedures.			
	Make sure to follow the pro-	cedures when up	dating.			
	*Please make sure that ALI	versions listed h	olow are up	dated conci	irrently	
	Program Name	Program No	leiow are up	Version	inentry.	
	System	D0166091D		1 04		
	Scanner	D0166097B		1.05		
	WebSupport	D0166093B		1.03		
	WebUApl	D0166095C		1.12		
	Network Support (NCS)	D0166092B		7.04.1		
	Network DocBox(NEA)	D0166096B		1.03		
		D0165252D		3 000.12		
		NA:G17859750	)	1.06		
		EU:G1785976	C			
	Animation	D0166094A	-	1.6		
		G1785980A		1.06		
	Fierv Server	-		4.0		
			1			
	* Update to the following ve	rsions is required	for all perip	herals listed	l below.	
		Program No.		Version		
	CI5010	B8355510F		V2.071:42	2	
	SR5000	B8305102P		V1.820:59	)	
	RB5000	Main:D392551	0E	V1.290:04	ŀ	
		Sub: D392552	OC	V1.060:01		
	GB5000					
	P-Binder_B1	D3915020C		V0.28		
	P-Binder_B2	D3915070B		V0.19		
	P-Binder_B3	D3915730A		V0.13		
	P-Binder_B4	D3915120B		V0.15		
	P-Binder_B5	D3915170A		V0.25		
	BK5000	B8365550B		V2.17:15		
	SK5000					
	1 <sup>st</sup> stacker	D3645620_P1		V4.02:12		
	2 <sup>nd</sup> stacker	D3645620_P2				
	Buffer Pass Unit	M3791702A		V1.000:03	3	
	Туре 5000					
	Note					
	<ul> <li>Make sure to update t</li> </ul>	he peripherals ir	order of pr	oximity to th	ne main frame.	
	<ul> <li>Do not update consect</li> </ul>	utively by select	ing several	peripherals		
	<ul> <li>For GB5000, 5 boards can be updated consecutively.</li> </ul>					



Model: AG	AG-C1 Date: 29-Jan-09 No.: RD016004		No.: RD016004c
Version	Modified Points or Symptom Corrected		
• For RB5000, 2 boards can be updated consecutively.			
01.03	1st Mass production		



Date: 29-Jan-09

No.: RD016004c

### Reissued: 26-Jun-13

### Model: AG-C1

### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required

operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



	Model: AG-C1	Date: 29-Jan-09	No.: RD016004c
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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card..

	1	
FOr	Aeg	11S-C

of Aegis-O i				
Program name	Program No.	Version		
System/Copy	D0166091D	V1.04		
Scanner	D0166097B	V1.05		
WebSupport	D0166093B	V1.03		
WebUApl	D0166095C	V1.12		
NCS	D0166092B	V7.04.1		
NFA	D0166096B	V1.03		

#### For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For	Aeg	is-	C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

### Date: 29-Jan-09

No.: RD016004c

# 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program No.	Version		
NA:G1785975C	V1.06		
EU:G1785976C			
	Program No. NA:G1785975C EU:G1785976C		

### For Aegis-P1

Program name	Program No.	Version	
LCDC	NA:G1785971C EU:G1785972C	V1.03	

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version	
Animation	G1786094B	V2.2	

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.


Model: AG-C1	Date: 29-Jan-09	No.: RD016004c

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

#### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

#### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# **RICOH**

# **T**echnical **B**ulletin

## Reissued: 26-Jun-13

Model: AG-C1	Date: 29-Jan-09	No.: RD016005e
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 informat	tion	Action required
	Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	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
1.06	D0166091F	May 2013 production	Not available
1.05	D0166091E	December 2010 production	Not available
1.04	D0166091D	August 2009 production.	Not available
1.03	D0166091C	March 2009 production.	Not available
1.02	D0166091B	1st Mass production	Available
1.01.5	D0166091A	1st Mass production	Available

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

Version	Modified Points or Symptom Corrected				
1.06	Error Correction				
	1. Scan to folder fails with Mac OS X 10.7(Lion) and 10.8(Mountain Lion).				
	2. Paper does not come out from selected tray, after stopping sample copy.				
	Following Firmware need	to be updated toge	ether.		
		Part number	Version		
	System/Copy	D0166091F	1.06		
	Network Support	D0166092D	7.07		
	Scanner D0166097D 01.07				
1.05	Modified Points:				
	Modified PM counter for "Fill	ter: Oil Tank"			
	Machine can now saddle sti	tch custom size paper	by using Plocmatic		
	New SP has been added				
	SP-7941-128: Drive Distance: Near End Standard Value: Filter: Oil tank				
	SP7-953-128: Page Counter	r: Near End Standard	Value: Filter: Oil tank		
	Following issues have been fixed				
	Image quality issue when us	sing B/W mode and ma	agnification rate less than 49%		
	(Black band on trailing edge or image of previous page appears on next page)				
	Image quality issue when pa	aper size is mixed and	also image rotation ON /OFF is		
	mixed (image of previous pa	age appears on next p	age)		
	When paper end appears ar	nd recovered from it, p	paper shifted in middle of job, or		
	paper did not shifted at end	of job.			



Model: Ad	G-C1	Date: 29-Jan-09	No.: RD016005e		
Version	Modi	fied Points or S	ymptom Corrected		
	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				
	<u>Apply Condition</u> This software needs to be updated with following software.				
		Aegis (	C1		
		Programme	number	Version	
	Engine	D01652	52M 3	3.008:12	
	System/ Copy	D01660	91E	1.05	
	System/ Copy (For French, instead of above system, please use this one)	38A	1.05		
	Websys	D016609	93C	1.04	
	Webuapl	D01660	95D	1.13	
	Scanner	D016609	97C	1.06	
	99C	1.02			
	OpePanel (NA)	G17859	75D	1.07	
	OpePanel(EU)	G17859	76D	1.06	
	Language Install	G17859	80B	1.07	
		Aries Lt	<u>C1</u>		
	<b></b>	Programme		Version	
	Engine	D09752		1.006:12	
	System/ Copy	D09760		1.05	
	(For French, instead of above system, please use this one)	DU976C	92	1.05	
	Websys	D01660	93C	1.04	
	Webuapl	D016609	95D	1.13	
	Scanner	D016609	97C	1.06	
	Install tool	D016609	99C	1.02	
	OpePanel (NA)	G17859	75D	1.07	
	OpePanel(EU)	G17859	76D	1.06	
	Language Install	G17859	30B	1.07	
1.04	Please refer to <appendix 7<br="">Ensure to follow the proced</appendix>	1> for update produces when update ures when update	edures. ng.	ourrently.	
1	Prease make sure that ALI		elow are updated cond	currentiy.	
	Program Name	Program No.	version		
	Scapper	D0166007P	1.04		
1		D0100091D	1.00		



Model: AG-C1 Date: 29-Jan-09 No.: RD01					No.: RD016005e
Version	Modi	fied Points or S	ymptom Co	orrected	
	WebSupport	D0166093B		1.03	
	WebUApl	D0166095C		1.12	
	Network Support(NCS)	D0166092B		7.04.1	
	Network DocBox(NFA)	D0166096B		1.03	
	Engine	D0165252D		3.000:12	
		NA:G17859750		1.06	
	Animation	EU:G1/859/60	ر	1.6	
		DU100094A		1.0	
	Eieny Server	G1765960A		1.00	
		-		4.0	
	* Update to the following ve	rsions is required	for all peripl	nerals listed	below.
		Program No.		Version	
	CI5010	B8355510F		V2.071:42	
	SR5000	B8305102P		V1.820:59	
	RB5000	Main : D39255	10E	V1.290:04	
		Sub: D3925520	DC OC	V1.060:01	
	GB5000				
	P-Binder_B1	D3915020C		V0.28	
	P-Binder_B2	D3915070B		V0.19	
	P-Binder_B3	D3915730A		V0.13	
	P-Binder_B4	D3915120B		V0.15	
	P-Binder_B5	D3915170A		V0.25	
	BK5000	B8365550B		V2.17:15	
	SK5000	D2645620 D1		1/4 02:42	
	<sup>1</sup> Slacker	D3045020_P1		V4.02.12	
	Buffer Pass Unit	M3791702A		V1 000.03	
	Type 5000			V1.000.00	
	Note				
	<ul> <li>Make sure to update t</li> </ul>	he peripherals in	order of pro	oximity to th	e main frame.
	<ul> <li>Do not update consec</li> </ul>	utively by selecti	ng several p	peripherals.	
	<ul> <li>For GB5000, 5 boards</li> </ul>	s can be updated	consecutiv	ely.	
	<ul> <li>For RB5000, 2 boards</li> </ul>	s can be updated	consecutive	ely.	
	1 The adjustable range of the fu	ising tomporaturo			
	The adjustable maximum value	has been modified fi	om 200 degre	es to 205 degi	rees.
			Ū	Ū	
	2 The adjustable range of "Idle	Time <sup>.</sup> After Reload"			
	The adjustable maximum value	of "Idle Time: After F	Reload" has be	en modified fr	om 15 minutes to
	60 minutes.				
	3. The modification of SP from ta	arget to not target of	"NVRAM clea	<u>r"</u>	
	When "NVRAM clear" was excus	sed, the following SF	value also ha	d been cleare	ed.
	I herefore, the status of use bec	omes unclear, and t	ne exchange a	t the appropria	ate timing might
	To prevent this, the SP has been	n removed from the	arget at the "N	IVRAM clear"	time.
	SP1-902-001: Web Consumptio	n	-		
	SP1-903-001: Web: Total Page SP1-903-002: Web: Total Motor	Counter Rotation Time			



Technical Bulletin

Model: AG-C1 Date: 29-Jan-09 No.: RD01600						
Version	Version Modified Points or Symptom Corrected					
	SP1-904-014: Oil End Counter	<u>, , , , , , , , , , , , , , , , , , , </u>				
	<u>4. The countermeasure for toner blister</u> The following modification will be enforced for the countermeasure control for toner blister. The additional SP are (1), (4), (5) and (6).					
	<ul> <li>(1) The addition of the toner blister countermeasure mode switching</li> <li>[New SP] SP1-208-001 Toner Blister Control Blister 0:OFF 1:ON</li> <li>* The default 0: OFF. When it is ON, the following (2) – (6) become effective.</li> </ul>					
	(2) Eliminating pressure while warming-up (The pressure has been modified to be eliminated except during printing.)					
	(3) Imminent pressure control just before printing (In The pressure roller is nipped immediately before pri	nmediately apply pressure be nting, and it is changed to the	fore printing.) printing mode.			
	<ul> <li>(4) Setting "the pressure reloading temperature" and "the waiting temperature" at 90 degrees.</li> <li>[New SP] Toner Blister Control Press Roll</li> <li>SP1-208-002 Ctr: Reload[70to160/90/1 degrees]</li> <li>SP1-208-003 Ctr: Idle: Reload[70to160/90/1 degrees]</li> <li>SP1-208-004 Ctr: Standby: Normal Temp[70to160/90/1 degrees]</li> <li>SP1-208-005 Ctr: Standby: Low Temp[70to160/90/1 degrees]</li> <li>SP1-208-006 Ctr: Standby: High Temp[70to160/90/1 degrees]</li> </ul>					
	<ul> <li>(5) Setting the pressure roller temperature at 90 deg [New SP] Toner Blister Control Press Roll SP1-208-007 Thin: Press Roll Temp [70to160/90 SP1-208-008 Normal: Press Roll Temp [70to160/ SP1-208-009 Middle: Press Roll Temp [70to160/ SP1-208-010 Thick1: Press Roll Temp [70to160/ SP1-208-011 Thick2: Press Roll Temp [70to160/ SP1-208-012 Thick3: Press Roll Temp [70to160/</li> </ul>	rees while pre-rotation. /1 degrees] /90/1 degrees] 90/1 degrees] 90/1 degrees] 90/1 degrees] 90/1 degrees]				
	<ul> <li>(6) The low-power control when toner blister counte The pressure roller setting temperature is set at 90 of [New SP] Toner Blister Control Press Roll SP1-208-013 Temp: Low Power Mode [70to150/</li> </ul>	rmeasure control is switched degrees. 90/1 degrees]	on			
	5. The modification of the control of winding the fusi When removing the jammed paper by rotating the fu the surface waviness of the web occurs by the rotati "The fusing belt" rotates at the same time when the paper jam is processed. Therefore, the surface waviness is not completely so into the cleaning unit at worst. The operation after paper jam processing has been The control is modified to rotate the fusing belt after finished.	ng web ising knob after the occurrent on of the fusing belt. operation of web winding is e olved; the web is winded in a modified for improvement: "the operation of web windin	ce of paper jam, enforced after the nd it is exhaled g" is completely			
	6. Correspondence to concentration variation by ten It is likely to become a non-standard printing extra d temperature rise in the machine, and SC367 occurs The occurrence is seen especially when changing ir black mode. Both "before entering into the start-up sequence wh time from black mode to FC mode", the potential Pro the temperature in the machine has been changed r	nperature change in the mach ensity due to the VL decreas in the worst case. nto FC mode after printing in en printing is demanded" and oCon (process control) will be nore than 2 degrees from wh	nine e because of the arge quantity in I "at switchover e enforced when en the ProCon is			



Technical Bulletin

PAGE: 5/11

Model: AC	à-C1	Date: 29-Jan-09	No.: RD016005e		
Version	on Modified Points or Symptom Corrected				
	enforced last time. According to this, the following SP is newly added.				
	Before Job Process Control SP3-555-003 : Temperature Range ON/OFF *0 : ON 1 : OFF				
	SP3-555-004: Temperature Range 0to99/2/1 degrees				
	7. Specification modification of "short idle time" ProCon and "temperature change" ProCon If the low coverage printing is repeated after "short idle time" ProCon or "temperature change" ProCon, the development $\gamma$ (gamma) will drop to the lower limit and the appropriate image density may not be obtained.				
	For improving this, the execution condition of the tor ProCon and "temperature change" ProCon has been The condition after modification is the same as the e	ner density adjustment of "sho n modified. execution condition of "job en	ort idle time" d ProCon"		
	The toner density adjustment is executed upon the satisfaction of the following conditions. (1) When the development $\gamma$ (the detected value) is lower than 1.2. (2) When the absolute value of $\Delta \gamma$ =the development $\gamma$ (the targeted value) – the development $\gamma$ (the detected value) is over 0.2.				
	8. "Short idle time" ProCon There have been cases that the density depression occurs. The density depression in this case can be avoided job. However, only the way to correspond was to change ProCon from 6 hours(default) to 30 minutes because executed automatically by idling for a short time (mo	after short idle time (30 minu by executing the potential Pr e the time interval of the "sho e there was no potential ProC ore than 30 minutes) at the m	tes to 6 hours) oCon before the rt idle time" Con mode that is oment.		
	However, the "short idle time" ProCon contains deve fade removal mode and oil removal mode as a set. The problem was that the waiting time until the endi about 4 minutes) and the toner is uselessly consum- Therefore, the mode that executes only the potentia minutes) is newly added.	eloper agitation, adjustment o ng of ProCon is too long (for ed. I ProCon after idling for a sho	f toner density, a maximum of ort time (about 30		
	The potential ProCon execution mode is newly adde conditions.	ed upon the satisfaction of the	e following		
	[Timing of call] Before entering into the start-up sequence when prin	nting is demanded			
	[Execution condition] - The idling time from the end of the last job is more (Before Job ProCon Idling Time). - The idling time is less than the setting value of SP3 Setting).	e than the setting value of SP 3-554-002 (Init ProCon Set N	3-555-002 on-use Time		
	The following SP are newly added with the above m	odification.			
	SP3-555-001: Before Job Procon Short Idle Time O 0:ON *1:OFF	N/OFF			



mptom Corrected						
	Version Modified Points or Symptom Corrected					
<ul> <li>SP3-555-002: Before Job Procon Idling Time 0to999/20/1min</li> <li>9. Support of Buffer Pass Unit Type 5000 and Perfect Binder GB5000</li> <li>10. Support of EFI Paper Catalog function Paper settings from CWS, PrinterDriver are now rewritable.</li> <li>11.Symptom of SC991 occurrence when setting the InfoPrint manufactured toner has been corrected.</li> <li>12.Support of a newly added function of the Engine, which enables an easy test solid print by pressing a button in the User Tools</li> </ul>						
11. Symptom of SC991 occurrence when setting the InfoPrint manufactured toner has been corrected.         12. Support of a newly added function of the Engine, which enables an easy test solid print by pressing a button in the User Tools         * Please make sure that ALL versions listed below are updated concurrently.         Program Name       Program No.         Version       System         D0166091C       1.03         WebUapl       D0166095B       1.09         Engine       D0166097A       1.03         LCDC       NA:G1785975B       1.04         EU: G1785976B       Scanner       D0166093A         Support       D0166093A       1.03         Web Support       D0166093A       1.01         Web Support(NCS)       D0166096A       1.01         Fiery Server       -       3.0         * Update to the following versions is required for all peripherals listed below.         Program Name       Program No.       Version         SR5000 Finisher       B8305102M       1.60       Cover Interposer Tray         B3365510E       02.070       Cl5010       Nain:1.280:04       Sub: 1.050:01         High Capacity Stacker       1st:D3645620_P1       4.02:12       Sc6000       2.17         Note       * Peripherals must be updated O						
	Perfect Binder GB5000 e now rewritable. ng the InfoPrint manufa Engine, which enable ools elow are updated concu- Version 1.03 1.09 2.000:12 1.04 1.03 1.01 1.00 7.03 1.01 3.0 for all peripherals listed Version 1.60 02.070 0 Main:1.280 3 Sub :1.050: 21 4.02:12 P2 2.17 starting from the mach nd update multiple Firm shall be updated togetl re now available. cker SK5000, PLOCKM. 5 <sup>th</sup> sheet of the SMC Re uring a multiple print job int job after a jam.					



Model: AC	G-C1	Date: 29-Jan-09	No.: RD016005e
Version	Modified Points or Symptom Corrected		
1.02	<ul> <li>Correction has been made for the trouble involving the absence of USER ID (User Name &amp; User Code) during print operation.</li> <li>Correction has been made for the trouble involving 'JAM ' appearance on display when using the scanner during print operation. (Exclusion control has been changed.)</li> <li>*1st Mass production</li> </ul>		
1.01.5	1st Mass production		



Date: 29-Jan-09

No.: RD016005e

## Reissued: 26-Jun-13

#### Model: AG-C1

### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware.

NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or

1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



	Model: AG-C1	Date: 29-Jan-09	No.: RD016005e
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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

#### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card...

For Aegis-C1	

Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSupport	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

<u> </u>		
Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

## Date: 29-Jan-09

No.: RD016005e

## 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

#### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version
Animation	G1786094B	V2.2

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



Model: AG-C1	Date: 29-Jan-09	No.: RD016005e

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

#### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

Program No.	Version
B8355510F	V2.071:42
B8305102P	V1.820:59
Main : D3925510E	V1.290:04
Sub: D3925520C	V1.060:01
D3915020C	V0.28
D3915070B	V0.19
D3915730A	V0.13
D3915120B	V0.15
D3915170A	V0.25
B8365550B	V2.17:15
D3645620_P1(1st)	V4.05:13
D3645620_P1(2nd)	
M3791702A	V1.000:03
	Program No.         B8355510F         B8305102P         Main : D3925510E         Sub: D3925520C         D3915020C         D3915070B         D3915730A         D3915120B         D3915170A         B8365550B         D3645620_P1(1st)         D3645620_P1(2nd)         M3791702A

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

#### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# **RICOH**

# Technical Bulletin

## Reissued: 05-Jan-11

Model: AG-C1	Date: 29-Jan-09	No.: RD016006b
<b>RTB Reissue</b> The items in <b>bold italics</b> have been corrected		

Subject: Firmwar	re Release Note: Web Support		Prepare	d by: H. Matsui
From: PPBG Ser	vice Planning Dept.			
Classification:	Troubleshooting	Part information	tion	Action required
	🗌 Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	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
1.04	D0166093C	December 2010 production.	Not available
1.03	D0166093B	August 2009 production.	Not available
1.00	D0166093A	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.

Version	Modified Points or Symptom Corrected		
1.04	1. Wordings have been a Tank Filter PM counte	added in accordance with t	he modification of the Oil
	Please refer to <appendix< td=""><td>(1&gt; for update procedures</td><td><u>).</u></td></appendix<>	(1> for update procedures	<u>).</u>
	Make sure to follow the p	rocedures when updating.	
	Apply condition:		
	Firmwares below to be ap	plied together as a set.	
	Program Name	Program No.	Version
	System	D0166091E	1.05
1	Scanner	D0166097C	1.06
1	WebSupport	D0166093C	1.04
1	WebUApI	D0166095D	1.13
	Engine	D0165252M	3.008:12
1	LCDC	NA:G1785975D	1.07
		EU:G1785976D	
1	Language	G1785980B	1.07
1.03	1 Wordings for the E-mail		a added accordingly with the
1.00	I. Wordings for the E-mail notification function has been added accordingly with the support of the Buffer Pass Unit Type 5000		
1			
	Please refer to $<$ Appendix 1> for update procedures		
	Ensure to follow the proced	ures when updating.	
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Model: AG	à-C1		Date: 29-Jan-09	No.: RD016006b
Version	Modi	fied Points or S	ymptom Corrected	
	*Please make sure that AL	L versions listed b	elow are updated concu	rrently.
	Program Name	Program No.	Version	
	System	D0166091D	1.04	
	Scanner	D0166097B	1.05	
	WebSupport	D0166093B	1.03	
	WebUApl	D0166095C	1.12	
	Network Support (NCS)	D0166092B	7.04.1	
	Network DocBox(NFA)	D0166096B	1.03	
	Engine	D0165252D	3.000:12	
	LCDC	NA:G17859750	2 1.06	
		EU:G17859760	C	
	Animation	D0166094A	1.6	
	Language	G1785980A	1.06	
	Fiery Server	-	4.0	
	* Update to the following version	ersions is required	for all peripherals listed	below.
		Program No.	Version	
	CI5010	B8355510F	V2.071:42	1
	SR5000	B8305102P	V1.820:59	,
	RB5000	Main : D39255	10E V1.290:04	
		Sub: D3925520	C V1.060:01	
	GB5000			
	P-Binder_B1	D3915020C	V0.28	
	P-Binder B2	D3915070B	V0.19	
	P-Binder B3	D3915730A	V0.13	
	P-Binder B4	D3915120B	V0.15	
	P-Binder B5	D3915170A	V0.25	
	BK5000	B8365550B	V2.17:15	
	SK5000			
	1 <sup>st</sup> stacker	D3645620 P1	V4.02:12	
	2 <sup>nd</sup> stacker	D3645620 P2		
	Buffer Pass Unit	M3791702A	V1.000:03	
	Type 5000			
	Note	·		
	<ul> <li>Make sure to update</li> </ul>	the peripherals in	order of proximity to th	ne main frame.
	<ul> <li>Do not update consec</li> </ul>	utively by selecti	ng several peripherals.	
	<ul> <li>For GB5000, 5 boards</li> </ul>	s can be updated	consecutively.	
	<ul> <li>For RB5000, 2 boards</li> </ul>	s can be updated	consecutively.	
1.00				
1.00	ist mass production			



Date: 29-Jan-09

No.: RD016006b

## Reissued: 05-Jan-11

Model: AG-C1

#### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the

operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



Model: AG-C1	Date: 29-Jan-09	No.: RD016006b

[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

#### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card..

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Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSupport	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

## Date: 29-Jan-09

No.: RD016006b

## 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

#### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version		
Animation	G1786094B	V2.2		

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



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NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection..." is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

#### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	···· ··· ··· ··· ··· ··· ··· ··· ··· ·	
	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

#### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.



# Technical Bulletin

## Reissued: 05-Jan-11

Model: AG-C1			Dat	e: 29-Jan-09	No.: RD016007c
RTB Reissue The items in <i>bold italics</i> have been corrected.					
Subject: Firmwa	re Release Note: Web Uapl			Prepared by: H.	Matsui
From: PPBG Ser	vice Planning Dept.				
Classification:	Troubleshooting	Part inf	ormat	ion 🗌 Actio	on required
	Mechanical	Electric	al	Serv	ice manual revision
	Paper path	🗌 Transm	it/rec	eive 🗌 Retro	ofit information
	Product Safety	🛛 Other (		) Tier	2

🛛 Other (

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

Version	Program No.	Effective Date	Availability of RFU
1.13	D0166095D	December 2010 production.	Not available
1.12	D0166095C	August 2009 production.	Not available
1.09	D0166095B	March 2009 production.	Not available
1.08	D0166095A	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.

Version	Modified Points or Symptom Corrected					
1.13	1. Wordings have been added in accordance with the modification of the Oil Tank Filter PM counter controls.					
	Please refer to <appendix 1=""> for update procedures. Make sure to follow the procedures when updating.</appendix>					
	Apply condition:					
	Firmwares below to be ap	plied together as a set.				
	Program Name Program No. Version					
	System D0166091E 1.05					
	Scanner         D0166097C         1.06           WebSupport         D0166093C         1.04           WebUApI         D0166095D         1.13           Engine         D0165252M         3.008:12					
	LCDC NA:G1785975D 1.07 EU:G1785976D					
	Language	G1785980B	1.07			
1.12	1.Support of Buffer Pass Unit Type 5000 and Perfect Binder GB5000					
	Please refer to <appendix 1<br="">Ensure to follow the procedu</appendix>	> for update procedures. ures when updating.				



Model: AG	G-C1	Date: 29-	Jan-09	No.: RD0160070
Version	Modif	ied Points or Symptom C	orrected	
	*Please make sure that ALL	versions listed below are up	dated concu	rrently.
	Program Name	Program No.	Version	
	System	D0166091D	1.04	
	Scanner	D0166097B	1.05	
	WebSupport	D0166093B	1.03	
		D0166095C	1.12	
	Network Support (NCS)	D0166092B	7.04.1	
	Network DocBox(NFA)	D0166096B	1.03	
		D0165252D	3.000:12	
		FU:G1785975C	1.00	
	Animation	D0166094A	1.6	
		G17859804	1.0	
	Fiery Server		4.0	
		-	4.0	
	* Update to the following ver	sions is required for all perio	pherals listed	below.
	<u> </u>	Program No.	Version	
	CI5010	B8355510F	V2.071:42	
	SR5000	B8305102P	V1.820:59	
	RB5000	Main : D3925510E	V1.290:04	
		Sub: D3925520C	V1.060:01	
	GB5000			
	P-Binder_B1	D3915020C	V0.28	
	P-Binder_B2	D3915070B	V0.19	
	P-Binder_B3	D3915730A	V0.13	
	P-Binder_B4	D3915120B	V0.15	
	P-Binder_B5	D3915170A	V0.25	
	BK5000	B8365550B	V2.17:15	
	SK5000	D0045000 D4	14.00.10	
		D3645620_P1	V4.02:12	
	2 Stacker	D3645620_P2	V/1 000:02	
	Type 5000	W3791702A	V1.000.03	
	Note			
	<ul> <li>Make sure to update the</li> </ul>	ne peripherals in order of p	roximity to th	e main frame.
	<ul> <li>Do not update consecu</li> </ul>	utively by selecting several	peripherals.	
	• For GB5000, 5 boards	can be updated consecutiv	vely.	
	• For RB5000, 2 boards	can be updated consecutiv	vely.	
1.09	* Please make sure that ALL	versions listed below are u	pdated concu	urrently.
	Program Name	Program No.	Version	
	System	D0166091C	1.03	
	WebUapl	D0166095B	1.09	
	Engine	D0165252B	2.000:12	
	LCDC	NA:G1785975B	1.04	
	Scanner	D0166097A	1.03	
	Language	G1785980	1.01	
	Web Support	D0166093A	1.00	
	Network Support (NCS)	D0166092A	7.03	



Model: AG-C1			Date: 29-J	lan-09	No.: RD016007c
Version	Modified Points or Symptom Corrected				
	Network Support (NCS)	D0166092A		7.03	
	Network DocBox(NFA)	D0166096A		1.01	
	Fiery Server	-		3.0	
	* Update to the following ver	sions is required	for all perip	herals listed	below.
	Program Name	Program No.		Version	
	SR5000 Finisher	B8305102M		1.60	
	Cover Interposer Tray CI5010	B8355510E		02.070	
	Ring Binder RB5000	Main:D3925510	D	Main:1.280	:04
		Sub :D3925520	B	Sub :1.050:	:01
	High Capacity Stacker	1st:D3645620_	P1	4.02:12	
	SK5000	2nd:D3645620	_P2	0.17	
	Booklet Finisher BK5000	B8365550B		2.17	
	Note * Peripherals must be updat the mainframe. Do NOT a * For the Ring Binder RB500 1. Newly supported periphe Ring Binder RB5000, H	ed ONE at a time attempt to select a 00, Main and Sul erals: ligh Capacity Sta	e, starting fro and update b shall be up ocker SK500	om the mach multiple Firm odated togeth 0, PLOCKM	ines closest to ware at once. her. ATIC,GBC
1.08	1st Mass production				



Date: 29-Jan-09

No.: RD016007c

## Reissued: 05-Jan-11

Model: AG-C1

#### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the

operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



	Model: AG-C1	Date: 29-Jan-09	No.: RD016007c
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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

## 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card...

For	Aed	is-C1

Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSupport	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version		
Engine	G1785252G	V3.000:12		

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

## Date: 29-Jan-09

No.: RD016007c

## 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

#### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version		
Animation	G1786094B	V2.2		

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



Model: AG-C1	Date: 29-Jan-09	No.: RD016007c

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

#### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

#### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# **RICOH**

# Technical Bulletin

## Reissued: 05-Jan-11

Model: AG-C1	Date: 29-Jan-09	No.: RD016008c

## **RTB Reissue**

### The items in *bold italics* have been added.

Subject: Firmwar	e Release Note: LCDC		Prepare	d by: H. Matsui
From: PPBG Ser	vice Planning Dept.			
Classification:	Troubleshooting	Part informat	tion	Action required
	Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	Tier 2

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

#### EUR

Version	Program No.	Effective Date	Availability of RFU
1.07	G1785976D	December 2010 production.	Not available
1.06	G1785976C	August 2009 production.	Not available
1.04	G1785976B	March 2009 production.	Not available
1.01	G1785976A	1st Mass production.	Available

#### USA

Version	Program No.	Effective Date	Availability of RFU
1.07	G1785975D	December 2010 production.	Not available
1.06	G1785975C	August 2009 production.	Not available
1.04	G1785975B	March 2009 production.	Not available
1.01	G1785975A	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.

#### EUR /USA

Version	Modi	fied Points or Symptom C	orrected		
1.07	1. Wordings have been added in accordance with the modification of the Oil Tank Filter PM counter controls.				
	Please refer to <appendix 1=""> for update procedures.Make sure to follow the procedures when updating.Apply condition:Firmwares below to be applied together as a set.</appendix>				
	Program Name Program No. Version				
	System	D0166091E	1.05		
	Scanner	D0166097C	1.06		
	WebSupport         D0166093C         1.04           WebUApI         D0166095D         1.13           Engine         D0165252M         3.008:12				
	LCDC	NA:G1785975D	1.07		
		EU:G1/859/6D			



Model: AC	G-C1		Date: 29-Jan-09	No.: RD016008c	
Version	Modified Points or Symptom Corrected				
	Language	G1785980B	1.07		
		·	·		
1.06	1.Support of Buffer Pass U	nit Type 5000 and	Perfect Binder GB500	0	
	2. Support of a newly add	ed function of the	Engine, which enable	es an easy test	
	solid print by pressing a	button in the Use	er Loois		
	3. Support of animated gra	aphics for Buffer P	ass Unit Type 5000 and	d Fuser Knob	
	Discos refer to Appendix	1. for undato prov	aduraa		
	Ensure to follow the proces	lures when undati	ra		
		iures when upuali	ng.		
	*Please make sure that AL	L versions listed b	elow are updated conc	urrently.	
	Program Name	Program No.	Version		
	System	D0166091D	1.04		
	Scanner	D0166097B	1.05		
	WebSupport	D0166093B	1.03		
	WebUApl	D0166095C	1.12		
	Network Support (NCS)	D0166092B	7.04.1		
	Network DocBox(NFA)	D0166096B	1.03		
	Engine	D0165252D	3.000:12		
	LCDC	NA:G17859750	1.06		
		EU:G1785976	0		
	Animation	D0166094A	1.6		
	Language	G1785980A	1.06		
	Fiery Server	-	4.0		
	* Lindete te the following w		fex all reside evels lists.	a la a la cu	
		Brogrom No	Version	a below.	
	015010	Program No.		0	
	SP5000	B0335510F	V2.071.4/	2	
	BR5000	D0303102F		4	
		Wall : D39255	V1.290.04	1	
	CREOOO	Sub. D392552	JC 1.000.0	·	
	B Bindor B1	D3015020C	1/0.28		
	P-Binder B2	D3915020C	V0.20 V0.19		
	P-Binder B3	D3915730A	V0.13		
	P-Binder B4	D3915120B	V0.10		
	P-Binder B5	D3915170A	V0.25		
	BK5000	B8365550B	V2.17:15		
	SK5000				
	1 <sup>st</sup> stacker	D3645620 P1	V4.02:12		
	2 <sup>nd</sup> stacker	D3645620 P2			
	Buffer Pass Unit	M3791702A	V1.000:03	3	
	Туре 5000				
	Note				
	Make sure to update	the peripherals ir	order of proximity to t	he main frame.	
	<ul> <li>Do not update consec</li> </ul>	cutively by select	ing several peripherals	S.	
	<ul> <li>For GB5000, 5 board</li> </ul>	s can be updated	l consecutively.		
	<ul> <li>For RB5000, 2 boards</li> </ul>	s can be updated	l consecutively.		

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## Reissued: 05-Jan-11

Model: AC	odel: AG-C1 Date: 29-Jan-09 No.: RD				
Version	Modified Points or Symptom Corrected				
1.04	* Please make sure that AL	L versions listed b	pelow are updated conc	urrently.	
	Program Name	Program No.	Version		
	System	D0166091C	1.03		
	WebUapl	D0166095B	1.09		
	Engine	D0165252B	2.000:12		
	LCDC	NA:G1785975E	3 1.04		
		EU:G1785976	3		
	Scanner	D0166097A	1.03		
	Language	G1785980	1.01		
	Web Support	D0166093A	1.00		
	Network Support (NCS)	D0166092A	7.03		
	Network DocBox(NFA)	D0166096A	1.01		
	Fiery Server	-	3.0		
	* Update to the following versions is required for all peripherals listed below.				
	Program Name	Program No.	Version		
	SR5000 Finisher	B8305102M	1.60		
	Cover Interposer Tray CI5010	B8355510E	02.070		
	Ring Binder RB5000	Main:D3925510 Sub :D3925520	DD Main:1.280 DB Sub :1.050	):04 ):01	
	High Capacity Stacker SK5000	1st:D3645620_ 2nd:D3645620	P1 4.02:12 P2		
	Booklet Finisher BK5000 B8365550B 2.17				
	Note *Peripherals must be update the mainframe. Do NOT *For the Ring Binder RB500 1. Connections of the follo Ring Binder RB5000, Hi	ed ONE at a time attempt to select 00, Main and Sub wing peripherals gh Capacity Stac	, starting from the mach and update multiple Firr shall be updated toget are now available. ker SK5000, PLOCKMA	ines closest to nware at once. her. \TIC,GBC	
1.01	1st Mass production				



Date: 29-Jan-09

No.: RD016008c

## Reissued: 05-Jan-11

Model: AG-C1

#### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the

operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.



	Model: AG-C1	Date: 29-Jan-09	No.: RD016008c
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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

## 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card...

For	Aedi	is-C1

Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSys	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C1

## Date: 29-Jan-09

No.: RD016008c

## 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

## For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version
Animation	G1786094B	V2.2

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

## 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



Model: AG-C1	Date: 29-Jan-09	No.: RD016008c

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

#### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

#### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# RICOH

# Technical Bulletin

**PAGE: 1/1** 

Model: Aegis-C1			Dat	Date: 10-Feb-09		No.: RD016009
Subject: Recommended Paper for ProC900S ACC			Prepared by: M.kudoh			
From: PPBG QA/Service Planning Dept.						
Classification:	Troubleshooting	Part informa		tion	Action	required
	Mechanical	Electric	al		Servic	e manual revision
	Paper path	Transm	it/rec	eive	Retrof	fit information
	Product Safety	Other (		)	🛛 Tier 2	

Please use the following type of paper when doing ACC (Auto Color Calibration) on the Aegis-C1.

Recommended Paper

Hammermill Color Copy 28lb Mondi Color Copy 100gsm

# **RICOH**

# Technical Bulletin

## Reissued: 05-Jan-11

Model: AG-C1	Date: 20-Feb-09	No.: RD016010b
RTB Reissue		
The items in <i>bold italics</i> have been added.		

Subject: Firmware Release Note: Language Install			Prepared by: H.Matsui	
From: PPBG Service Planning Dept.				
Classification:	Troubleshooting	Part informat	tion	Action required
	Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
1	Product Safety	🛛 Other (	)	Tier 2

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

Version	Program No.	Effective Date	Availability of RFU
1.07	G1785980B	December 2010 production.	Not available
1.06	G1785980A	August 2009 production.	Not available
1.01	G1785980	1st Mass production.	Not 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.

Version	Modified Points or Symptom Corrected					
1.07	<ol> <li>Wordings have been added in accordance with the modification of the Oil Tank Filter PM counter controls.</li> <li>Please refer to <appendix 1=""> for update procedures. Make sure to follow the procedures when updating.</appendix></li> <li><u>Apply condition:</u> Firmwares below to be applied together as a set.</li> </ol>					
	Program Name	Program No.	Version			
	System	D0166091E	1.05			
	Scanner	D0166097C	1.06			
	WebSupport	D0166093C	1.04			
	WebUApl	D0166095D	1.13			
	Engine	D0165252M	3.008:12			
	LCDC NA:G1785975D 1.07 EU:G1785976D					
	Language	G1785980B	1.07			
1.06	<ol> <li>Additional wording for the support of Buffer Pass Unit Type 5000 and Fuser Knob</li> <li>Support of a newly added function of the Engine, which enables an easy test solid print by pressing a button in the User Tools</li> </ol>					
	Please refer to <appendix 1=""> for update procedures. Ensure to follow the procedures when updating.</appendix>					



Model: AG	à-C1		Date: 20-Feb-09	No.: RD016010k	
Version	Modified Points or Symptom Corrected				
	*Please make sure that ALL versions listed below are updated concurrently.				
	Program Name	Program No.	Version		
	System	D0166091D	1.04		
	Scanner	D0166097B	1.05		
	WebSupport	D0166093B	1.03		
	WebUApl	D0166095C	1.12		
	Network Support (NCS)	D0166092B	7.04.1		
	Network DocBox(NFA)	D0166096B	1.03		
	Engine	D0165252D	3.000:12		
	LCDC	NA:G1785975C	1.06		
		EU:G17859760	5		
	Animation	D0166094A	1.6		
	Language	G1785980A	1.06		
	Fiery Server	-	4.0		
	* Update to the following ve	rsions is required	for all peripherals listed	below.	
		Program No.	Version		
	CI5010	B8355510F	V2.071:42		
	SR5000	85000 B8305102P V1.820:59		)	
	RB5000	Main : D39255	10E V1.290:04		
		Sub: D3925520	)C V1.060:01		
	GB5000				
	P-Binder_B1	D3915020C	V0.28		
	P-Binder_B2	D3915070B	V0.19		
	P-Binder_B3	D3915730A	V0.13		
	P-Binder B4	D3915120B	V0.15		
	P-Binder_B5	D3915170A	V0.25		
	BK5000	B8365550B	V2.17:15		
	SK5000				
	1 <sup>st</sup> stacker	D3645620_P1	V4.02:12		
	2 <sup>nd</sup> stacker	D3645620_P2			
	Buffer Pass Unit	M3791702A	V1.000:03	}	
	Type 5000				
	Note				
	• Make sure to update the peripherals in order of proximity to the main frame.				
	<ul> <li>Do not update consecutively by selecting several peripherals.</li> </ul>				
	• For GB5000, 5 boards can be updated consecutively.				
	<ul> <li>For RB5000, 2 boards can be updated consecutively.</li> </ul>				
1.01	1st Mass production				



Date: 20-Feb-09

No.: RD016010b

## Reissued: 05-Jan-11

Model: AG-C1

#### < Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware. NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the

operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



#### (\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.


#### Reissued: 05-Jan-11

Model: AG-C1	Date: 20-Feb-09	No.: RD016010b

[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card..

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Program name	Program No.	Version	
System/Copy	D0166091D	V1.04	
Scanner	D0166097B	V1.05	
WebSys	D0166093B	V1.03	
WebUApl	D0166095C	V1.12	
NCS	D0166092B	V7.04.1	
NFA	D0166096B	V1.03	

For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### Reissued: 05-Jan-11

Model: AG-C1

#### Date: 20-Feb-09

No.: RD016010b

# 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

#### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C EU:G1785972C	V1.03

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version
Animation	G1786094B	V2.2

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.



### Reissued: 05-Jan-11

Model: AG-C1	Date: 20-Feb-09	No.: RD016010b

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

	···· · · · · · · · · · · · · · · · · ·	
	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed.

Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

# Technical Bulletin

Model: Aegis-P1/C1 Da			Dat	e: 23-Feb-	-09	No.: RG178041	
Subject: Important notes when replacing the RCB				Prepared by: N.iida			
From: PPBG QA/Service Planning Dept.							
Classification:	tion: Troubleshooting Part informa Mechanical Electrical Paper path Transmit/rec Product Safety Other (		ormat al it/rec	tion eive )	Action	n required ce manual revision fit information	

# Important notes when replacing the RCB

The function of the logging SC detection is newly added to the Aegis-C1 model and P1 model which has the engine firmware released in February 2009.

However, some RCB parts which have old firmware version do not allow this function to work properly.

### Action

To avoid the logging SC:

• Always update the engine firmware to the latest version after replacing the RCB. Otherwise, one of the logging SCs (SC675-04, -07, -08) may be issued.

**Note:** For some combinations of BCU and RCB firmware versions, engine firmware update may not be necessary. For details, refer to the "Firmware Matrix for Logging SC".

### Firmware Matrix for Logging SC

Here is the firmware matrix for the logging SC. Check if the engine firmware update is necessary or not to avoid the logging SC.

- "No SC" means that the engine firmware update is not necessary.
- "Logging SC" means that the engine firmware update is necessary.

		RCB Engine Program (Aegis-P1/C1)				
	Software Part Number	G1787707B	G1787707C	G1787707D		
BCU Engine	G1785252B	No SC	No SC	No SC		
Program (Aegis-	G1785252C	No SC	No SC	No SC		
	G1785252D	No SC	No SC	No SC		
P1)	G1785252E	Logging SC	Logging SC	No SC		
BCU Engine	D0165252A	Logging SC	Logging SC	No SC		
Program ( Aegis-	D0165252B	Logging SC	Logging SC	No SC		
C1 )						

RICOH	Technical B	ulletin	PAGE: 2/2
Model: Aegis-P1/C1		Date: 23-Feb-09	No.: RG178041

### Checking the software part number of the BCU engine program

• Enter SP mode, and then check the part number of the BCU engine program with SP7801-255 or by printing the self-diagnostic sheet with SP5990-005.

### Checking the software part number of the RBC engine program

1. Check the part number printed on the RCB.



2. Find the software part number of the RCB engine program referring to the table below.

Software Number of	RCB Part Number
RCB Engine Program (Aegis-P1/C1)	
G1787707B	G1787706B
G1787707C	G1787706C
G1787707D	G1787706D

### For example:

- 1. If an RCB part number on the RCB is "G1787706C" as shown above, the software number of the RCB engine program is "G1787707C".
- 2. See the "Firmware Matrix for Logging SC".
- 3. Now you know that the following software numbers cause the logging SC with "G1787707C" of the RCB engine program.
  - G1785252E/ D0165252A/ D0165252B
- 4. Update the engine firmware to the latest version if the machine which you are working on has the BCU software part numbers causing the logging SC.

or

If not, reassemble the machine.

# Technical Bulletin

#### **PAGE: 1/4**

Model: Aegis-C1 EFI Dat			e: 26-Mar-	09	No.: RD016011	
Subject: Release note for System Software Version3.0 for Aegis-P1/C1 EFI				Prepared	d by: T. S	Satoh
From: PPBG QA/	Service Planning Dept.					
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>□ Part info</li> <li>□ Electrica</li> <li>□ Transm</li> <li>⊠ Other (</li> </ul>	ormat al it/rec	ion eive )	Action	required e manual revision fit information

This RTB is the release note for System Software Version 3.0 for ProC900(P1)/ProC900s(C1).

#### **1.Newly Added Functions**

-Support for New Peripherals

- Ring Binder (ISHIKARI)
- Stacker (NAKGAWA)
- GBC Punch
- · Plockmatic

#### -Support for First Tab Indent

A function was added for Tab Stock printing, which allows the user to adjust the print position on the Tab by adjusting the gap between the top edge of the 1st Tab and the upper edge of the sheet.

Without this function, depending on the Tab Stock, the print position on the tab could be misaligned.

#### -Automatic Detecting Function of P1/C1

This function will allow the Fiery to automatically detect its connection to the engine; verifies P1 or C1 and will function accordingly.

Model: Aegis-C1 EFI

Date: 26-Mar-09

No.: RD016011

# 2.Problem Solving (Countermeasures)

Following are the key problems that have been given countermeasures.

#### -Problems in the Field

Patch	Symptom	AegisP1 (G1.0)	AegisC1 (G2.0)	Support for AegisP1/C1 Peripherals (G3.0)	Remarks
1-YX34D-1	Even when recovering from PaperEnd status by refilling paper, print operation does not restart. Machine is stalled with display of 'Printing'.	Reflected to Mass Production	Reflected	Reflected	
1-ZPVPD	Composite Patch <ul> <li>Display of paper mis-feed appears in an overlap.</li> <li>Display of paper mis-feed at Toner-End.</li> </ul>	Reflected to Mass Production	Reflected	Reflected	
1-ZX2LD/ 1-ZX2LZ	<ul> <li>ICC Profile includes the Aegis.</li> <li>HotFolder Utility cannot be installed independently.</li> </ul>	Reflected to Mass Production	Reflected	Reflected	
1-103CJ7	<ul> <li>Composite Patch</li> <li>Image defects when ripping PDF files.</li> <li>Error indicating excess of 'maximum number of displayable screens' on the LCD.</li> <li>Insufficient compression rate of the HAIC causes memory shortage on the Fiery, resulting in a SC911.</li> <li>Error occurs when opening a PS file created by 3rd vendor software on the Compose.</li> </ul>	Reflected to Mass Production	Reflected	Reflected	
1-10JUV3	When printing PCL data, a letter is printed on top of another.	Reflected to Mass Production	Reflected	Reflected	
1-108MRT	Void-white lines appear when printing a PDF file.	Reflected to Mass Production	Reflected	Reflected	
1-10JE4A	Output problems with the Illustrator. (Faint color appears in the white background.)	Reflected to Mass Production	Reflected	Reflected	
1-110NIB	Printing a pdf file causes E900 to crash and SC991	Individual Patch	Reflected	Reflected	
1-10JUW8	When pausing a job for 1 hour, and restarting the same job, the display indicates 'printing' but does not restart.	Unreleased	Reflected	Reflected	Patch exists but not announced to the field
1-113APJ	A completed job that has been archived remains on the HOLD tab on the display.	Individual Patch	Reflected	Reflected	
1-11DDFY	In the Mac Driver and PC Driver, Substitute Color is only selectable with Graphic Arts Package, Premium Addition.	Unreleased	Unreflected	Reflected	Patch exists but not announced to the field
1-10WZV0	Fiery cannot reboot when the job log data exceeds a certain amount.	Individual Patch	Unreflected	Reflected	
1-117SD8	Printed Page is not displayed correctly on OCP	Individual Patch	Unreflected	Reflected	
User Software	File missing on the User Software DVD for the Pro C900	Individual File	Individual File	Reflected	

Model: Aegis-C1 EFI

Date: 26-Mar-09

No.: RD016011

<u>-Specification Changes</u> Cases to be reflected on supported machines such as Aegis C1 (G2.0) and Aegis P1/C1 peripherals (G3.0); cases brought up from Aegis P1 spec changes.

No.	Cases	AegisC1 (G2.0)	Support for AegisP1/C1
			(G3.0)
1	When setting the Tray after indication of Warning Popup P2 on the display, Error Popup P3 appears.	Reflected	Reflected
2	When specifying paper size in the PS Drv, 'Return Postcard' previously registered in the Paper Catalog does not appear in the list.	Reflected	Reflected
3	After Rush Printing, the machine stops and indicates 'Printing'	Reflected	Reflected
4	Color of the Rotary Beacon Light flashes incorrectly; 'green only' when paper is refilled after the job enters a Paper End status.	Reflected	Reflected
5	After powering the machine, indication of Idle does not appear even after waiting for 10 min.	Reflected	Reflected
6	When 'Mismatch Action' is ON and a mismatch error occurs, the 'Beeper 8' could make a random alert noise.(number of beeps is not constant)	Reflected	Reflected
7	Paper Catalog: Tray Names are incorrectly indicated on Paper/Tray Association differs from spec.	Reflected	Reflected
8	In a staple job, when a specified feed tray has a defect and another tray has been selected to continue the job, the machine runs idle without the paper.	Reflected	Reflected
9	'Program error' could be indicated during installation of the Fiery controller.	Reflected	Reflected
10	CWS: Correct indication does not appear on the CWS display during printing.	Reflected	Reflected
11	WORDING: Correct error message does not appear for jam occurrence during staple operation.	Reflected	Reflected
12	When resetting the paper size to Standard on the Imposer after having been set to Customized on the CWS, the change is not reflected and output turns out in Standard.	Reflected	Reflected
13	Some paper type is not indicated correctly on the German version of PS Drv.	Reflected	Reflected
14	When printing in German language based environment, the term 'print amount' is incorrectly indicated on the activity window displayed on the MAC CWS.	Unreflected	Reflected
15	When running a print on FreeForm and Impose, print position of the registration marker is misaligned.	Reflected	Reflected
16	Pagination does not appear on the German language version of MAC CWS.	Unreflected	Reflected
17	CMYK value cannot be input in increment of 0.5 on the Spon-On UI of the ColorWiseProTools(CWPT).	Reflected	Reflected
18	KANJI: Error message appears in Roman on the Tab Insert screen on the CWS.	Unreflected	Reflected
19	Minimum paper size indicated in Points differ from specification.	Unreflected	Reflected
20	Checkbox specified on the [MacFRS] Thin Media is falsely cleared when FRS is once shut and rebooted.	Unreflected	Reflected
21	Print cannot be made from the driver when the Inserter side cover is opened.	Unreflected	Reflected
22	An incorrect indication in the pop-up error message: 'any' is incorrectly appeared as 'Any' with an upper case 'A'.	Unreflected	Reflected
23	When interrupting a Copy job with a Printer job by cancelling the Copy job, the Print operation stops.	Unreflected	Reflected
24	When printing in a German language based environment, indication of the term 'print amount' is incorrect on the activity window displayed on the MAC CWS.	Unreflected	Reflected
25	Pagination does not appear on the German language version of MAC CWS.	Unreflected	Reflected

#### -Symptoms involving PMO

Patch	Symptom	AegisP1 (G1.0)	AegisC1 (G2.0)	Support for AegisP1/C1 Peripherals (G3.0)	Remarks
1-119GYH	Job info is not displayed.	Unreflected	Unreflected	Reflected	

Odel: Aegis-C1 EFI	D	;

ate: 26-Mar-09

No.: RD016011

### Note:

- It is necessary to update firmware of the mainframe when you update the System Software Version 3.0.

- It is necessary to update User Software: Printer Driver (Version3.0) when you update the System Software Version 3.0.

#### Latest firmware version:

Aegis-P1

	Program Name	Firmware No.	Version
New	System	G1786091E	2.03
New	Network Support (NCS)	G1786092C	7.03
New	Engine	G1785252E	2.000:12
		NA:G1785971B	
-	LCDC	EU:G1785972B	1.01
-	Language	G1785979	1.01
-	Web Support	G1786093C	1.01

#### Aegis-C1

	Program Name	Firmware No.	Version
New	System	D0166091C	1.03
New	Web Uapl	D0166095B	1.09
New	Engine	D0165252B	2.000:12
		NA:G1785975B	
New	LCDC	EU:G1785976B	1.04
-	Scanner	D0166097A	1.03
-	Language	G1785980	1.01
-	Web Support	D0166093A	1.00
-	Network Support (NCS)	D0166092A	7.03
-	Network DocBox (NFA)	D0166096A	1.01

#### Options

New	SR5000 Finisher	B8305102M	1.60
New	Cover Interposer Tray CI5010	B8355510E	02.070
New	Ring Binder RB5000	Main:D3925510D Sub:D3925520B	Main:1.280:04 Sub :1.050:01
New	High Capacity Stacker SK5000	1st:D3645620_P1 2nd:D3645620_P2	4.02:12
-	Booklet Finisher BK5000	B8365550B	2.17
-	Plockmatic	-	2.01

# Technical Bulletin

**PAGE: 1/2** 

Model: AG-P1/C1 STACKER NAKAGAWA(SK5000)

Date: 26-Mar-09

No.: RG178044

Subject: Firmwar	e Release Note: STACKER		Prepare	d by: N. lida
From: PPBG QA/	Service Planning Dept.			
Classification:	Troubleshooting	Part information	tion	Action required
	Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	Tier 2

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

#### **1st STACKER**

Version	Program No.	Effective Date
4.02 :12	D3645620_P1	1st Mass production.

#### 2nd STACKER

Version	Program No.	Effective Date
4.02 :12	D3645620_P2	1st Mass production.



PAGE: 2/2

RICO	<b>DH</b> Te	chnical <b>E</b>	Bulletin	PAGE
Model: AG	G-P1/C1 STACKER NAKAG	AWA(SK5000)	Date: 26-Mar-09	No.: RG178044
Version	Modi	fied Points or S	Symptom Corrected	
4.02:12	1 <sup>st</sup> Mass production.			
	When connecting two Stac location of the firmware, w is applied. Therefore, Stac when they are to be connec change the dip switch sett 1st stacker: Dip switch 2-1 2nd stacker: Dip switch 2-1	kers as shown b hich is specified kers [1] and [2] cted in the oppo ings on the PCB : Turn dip switch I: Turn dip switch	pelow, the only difference I from the mainframe, the can be connected either site order, as in [2] [1], b n 2-1 to the "OFF" position h 2-1 to the "ON" position	e is the installed e same firmware way. However, be sure to on.
	[2] [1] [1] [1] [1] [2] [1] [2] [1] [2] [2] [1] [2] [2] [2] [2] [2] [2] [2] [2	cker, please upd	ate the following firmward d below are updated con	re as indicated. currently.
	Aegis-P1			
	Program Name	Program No.	Version	
	System	G1786091E	2.03	
	Network Support (NCS)	G1786092C	7.03	
	Engine	G1785252E	2.000:12	
		NA:G1785971	B   1.01	
		EU : G178597	2B	
	Language	G1785979	1.01	
	Websystem	G1786093C	1.01	
	Fiery Server	-	3.0	
	Aegis-C1			
	Program Name	Program No.	Version	
	System	D0166091C	1.03	
	WebUapl	D0166095B	1.09	
	Engine	D0165252B	2.000:12	
		NA:G1785975	B   1.04	
		EU : G1/859/		
	Scanner	D0166097A	1.03	
	Language	G1/85980	1.01	
	Notwork Support (NCS)	D0100093A	7.00	
	Network DocRoy (NEA)	D0100092A	1.03	
	Fiery Server		3.0	
			0.0	

# Technical Bulletin

**PAGE: 1/1** 

Model: Aegis-P1	/C1		Dat	e: 7-Apr-0	9	No.: RG178045
Subject: SC35X	C Toner Bottle Motor Erro	or		Prepare	d by: Mas	sahiko Kudo
From: PPBG QA/	Service Planning Dept.					
Classification:	☐ Troubleshooting	Part info	ormat	tion	Action	n required
	Mechanical	Electric	al		Servic	ce manual revision
	Paper path	Transm	it/rec	eive	Retrof	fit information
	Product Safety	Other (		)	🛛 Tier 2	

# SYMPTOM

SC35\* occurs after exchanging the toner bottle.

SC352 : Toner Bottle Motor Error : K

SC353 : Toner Bottle Motor Error : C

SC354 : Toner Bottle Motor Error : M

SC355 : Toner Bottle Motor Error : Y

# CAUSE

When replacing with a toner bottle that has been stored for a long period of time, the toner is stiffened and causes an increase in the initial rotation torque.

\*

# SOLUTION

- 1) Upon machine installation and PM/EM visits, please be sure to advise the Operators to **shake** the bottle thoroughly as in the diagram below whenever installing a new toner bottle (initial machine installation, toner near-end).
- \* The swinging motion should reach 90 degrees from horizontal.
- 2) As the same symptom could occur with toner bottles installed in the machine if the machine is left unused for a long period of time, again shaking of the bottle will resolve the problem.



# Technical Bulletin

Model: Aegis-P1	/C1		Dat	e: 7-Apr-0	9	No.: RG178046
Subject: SC524 a Long period in Lov	at Power ON when Machine is v Temp	Left Unuse	d for	Prepare	d by: N.iid	da
From: PPBG QA/	Service Planning Dept.					
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	Part info Electric Transm	ormat al it/rec	tion eive )	Action C Servic Retrof Tier 2	n required se manual revision fit information

# SYMPTOM

When the machine has not been used for a long period of time in a low temperature environment, SC524 (paper exit motor lock) may occur when turning on the power.

# CAUSE

This symptom may occur when the Cooling Transport Belt is kept at a low temperature for a long period of time, which causes such effects as the adhesion of the belt to the roller inducing an increase in rotation load and a longer preparation time for the belt to begin its normal rotation (exceeding the roller locking detection time of 800 ms), resulting in a SC524 roller error detection.

The symptom may occur in approximately 20% of the machines if the machine was not used for 1 week in an ambient temperature of below 5 degrees Centigrade.

\* The lower the temperature, and the longer the time that the machine is left unused, the higher the possibility that the symptom will occur.

Error detection will not occur if the machine power is again switched ON, as after the Cooling Transport Belt rotates, that rotation will automatically reduce its load.

# **TENTATIVE SOLUTION**

Turn OFF the power, open the front cover, and turn the switchback paper exit unit C1 knob counterclockwise 3 times. Do the same when SC524 occurs after turning ON the machine.

# PERMANENT SOLUTION

Software will be changed; the revised program will allow a longer time before detecting the paper exit motor lock.

**NOTE:** New firmware release is scheduled for June.

# Technical Bulletin

#### PAGE: 1/26

Model: Aegis-P	91 / C1		Dat	:e: 30-Apr-	09	No.: RG178047
Subject: Manua	I Corrections			Prepared	d by: N.iid	da
From: PPBG QA/	Service Planning Dept.					
Classification:	Troubleshooting	Part info	ormat	tion	Action	n required
	Mechanical	Electrica	al		Servic	e manual revision
	Paper path	🗌 Transmi	t/rec	eive	Retrof	fit information
	Product Safety	🗌 Other (		)	Tier 2	

The installation section of the service manual for the AG-C1 (D016) has been corrected in order to be updated and be used for both the copier model (D016) and the printer model (G178).

- Add the following new information which is shown in red text.
- The side view of the printer model (G178) has been added and the side view of the copier (D016) mode has been revised on **page 36** in the service manual for the AG-C1.

Side View with Finisher SR5000 (B830)

### Mainframe: Printer G178



### Mainframe: Copier D016



# Technical Bulletin

Model: Aegis-P1 / C1

Date: 30-Apr-09

No.: RG178047

# Side View with High Capacity Stacker SK5000 (D364)

### Mainframe: Printer G178



\*1: Including the top right cover

### Mainframe: Copier D016





Model: Aegis-P1 / C1

Date: 30-Apr-09

No.: RG178047

Side View with Ring Binder RB5000 (D392)

### **Mainframe: Printer G178**



### Mainframe: Copier D016



\*1: Including the top right cover

Model: Aegis-P1 / C1

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Date: 30-Apr-09

No.: RG178047

- Add the following information;
- Change the content of "Overview of Optional Peripherals" (pages from 40 to 44) to the following content.

# **Overview of Optional Peripherals**

# Printer G178 with Finisher SR5000 (B830)



There are many peripherals available for this machine. Install them in this order:

- 1. Mainframe (G178)
- 2. Multi Bypass Tray BY5000 (B833) ★ Important

This unit must be installed on the LCIT 5020 (D355) before the LCT is docked to the mainframe.

- 3. LCIT RT5020 (D355) or LCIT RT5000 (B832)
- 4. Vertical and Horizontal Bridge Unit (D379)

This unit is required only when two LCITs RT5020 are installed at the same time. Otherwise, it is not required.

- 5. LCIT RT5020 (D355)
- 6. Buffer Pass Unit Type 5000 (M379)
- 7. Cover Interposer Tray CI5010 (B835: Transport Unit)
- 8. Cover Interposer Tray (B835: Tray Unit)
- 9. Z-Folding Unit ZF4000 (B660) (or the next peripheral in line)

The Transport Unit (base) of the Cover Interposer Tray is narrow and cannot fully support its tray unit. Part of the tray unit must rest on top of the Z-folding unit (or the next peripheral device installed to the left of the cover interposer). To prevent the Cover Interposer Tray from falling, always install the next peripheral device in line before installing the tray unit "8" of the Cover Interposer Tray.

- 10. Booklet Finisher BK5000 (B836)
- 11. Finisher SR5000 (B830)

# Model: Aegis-P1 / C1

Date: 30-Apr-09

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### **Other Options**

These remaining options can be installed at any time and in any order.

Tab Sheet Holder Type3260 (B499)

- Option for tandem tray
- A3/11"x17" Tray Unit TK5000 (B331)
- Option for tandem tray
- Punch Unit PU 5000 (B831)
- For Finisher SR5000 (B830) only.
   Optional Counter Interface Unit Type A (not shown)
   DataOverwriteSecurity Unit F (not shown)

# Copier D016 with Finisher SR5000 (B830)



There are many peripherals available for this machine. Install them in this order:

- 1. Mainframe (D016)
- 2. LCT-MF (D016)
- 3. Vertical and Horizontal Bridge Unit BU5000 (D379)

This unit is required only when the optional LCIT RT5020 is installed. Otherwise, it is not required.

4. Multi Bypass Tray BY5000 (B833)

# Comportant)

This unit must be installed on the LCIT 5020 (D355) before the LCT is docked to the LCT-MF.

- 5. LCIT RT5020 (D355)
- 6. Buffer Pass Unit Type 5000 (M379)
- 7. Cover Interposer Tray CI5010 (B835: Transport Unit)
- 8. Cover Interposer Tray (B835: Tray Unit)

### Important 🕄

The "Transport Unit (base)" of the "Cover Interposer Tray" is narrow and cannot fully support its tray unit. Part of the tray unit must rest on top of the Zfolding unit (or the next peripheral device installed to the left of the cover interposer).

To prevent the "Cover Interposer Tray" from falling, always install the next peripheral device in line before installing the tray unit "8" of the "Cover Interposer Tray".

# Technical Bulletin

Model: Aegis-P1 / C1

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9. Z-Folding Unit ZF4000 (B660) (or the next peripheral in line)
10. Booklet Finisher BK5000 (B836)
11. Finisher SR5000 (B830)

# **Other Options**

These remaining options can be installed at any time and in any order.

)

Tab Sheet Holder Type3260 (B499)

Option for tandem tray

A3/11"x17" Tray Unit TK5000 (B331

- Option for tandem tray
- Punch Unit PU 5000 (B831)

For Finisher SR5000 (B830) only

Cooling Fan Unit Type 5000 (not shown)

Option for Finisher SR5000 (B830) only

Optional Counter Interface Unit Type A (not shown)

File Format Converter Type E (not shown)

DataOverwriteSecurity Unit H (not shown)

VM Card Type F (not shown)

Printer G178 with High Capacity Stacker SK5000 (D364)



There are many peripherals available for this machine. Install them in this order:

- 1. Mainframe (G178)
- 2. Multi Bypass Tray BY5000 (B833)

# Important)

This unit must be installed on the LCIT 5020 (D355) before the LCT is docked to the mainframe.

- 3. LCIT RT5020 (D355) or LCIT RT5000 (B832)
- 4. Vertical and Horizontal Bridge Unit (D379)

# Note

This unit is required only when two LCITs RT5020 are installed at the same time. Otherwise, it is not required.

- 5. LCIT RT5020 (D355)
- 6. Buffer Pass Unit Type 5000 (M379)
- 7. Cover Interposer Tray CI5010 (B835: Transport Unit)
- 8. Cover Interposer Tray (B835: Tray Unit)

The Transport Unit (base) of the Cover Interposer Tray is narrow and cannot

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		TAGE: 1720
Model: Aegis-P1 / C1	Date: 30-Apr-09	No.: RG178047
<ul> <li>fully support its tray unit. Part of the tray unit munit (or the next peripheral device installed to the To prevent the Cover Interposer Tray from fall peripheral device in line before installing the transformed to the transformed t</li></ul>	nust rest on top of the 2 the left of the cover inte- ing, always install the r ay unit "8" of the Cove	Z-folding erposer). next r
10. High Capacity Stacker SK5000 (D364)	.pc.a	
• Note		
Two "High Capacity Stacker SK5000 (D364)" mainframe at the same time.	units can be installed v	vith the
11. Finisher SR5000 (B830)		
Other Options	av time and in any orde	ar
		51.
Option for tandem tray		
A3/11"x17" Tray Unit TK5000 (B331)		
Punch Unit PU 5000 (B831)		
<ul> <li>For Finisher SR5000 (B830) only.</li> </ul>		
Optional Counter Interface Unit Type A (not shown	ר)	
DataOverwriteSecurity Unit F (not shown)		
Copier D016 with High Capacity Stacker SK5000	(D364)	
There are many peripherals available for this mad	hine. Install them in th	is order:

- 10 14 9 ′
- 1. Mainframe (D016)

Ø

- 2. LCT-MF (D016)
- 3. Vertical and Horizontal Bridge Unit BU5000 (D379)

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Note

11

This unit is required only when the optional LCIT RT5020 is installed. Otherwise, it is not required.

4. Multi Bypass Tray BY5000 (B833)

# () Important

This unit must be installed on the LCIT 5020 (D355) before the LCT is docked to the LCT-MF.

5. LCIT RT5020 (D355)

Model: Aegis-P1 / C1

Date: 30-Apr-09

No.: RG178047

6. Buffer Pass Unit Type 5000 (M379)

7. Cover Interposer Tray CI5010 (B835: Transport Unit)

8. Cover Interposer Tray (B835: Tray Unit)

### 😪 Important

The "Transport Unit (base)" of the "Cover Interposer Tray" is narrow and cannot fully support its tray unit. Part of the tray unit must rest on top of the Zfolding unit (or the next peripheral device installed to the left of the cover interposer).

To prevent the "Cover Interposer Tray" from falling, always install the next peripheral device in line before installing the tray unit "8" of the "Cover Interposer Tray".

- 9. Z-Folding Unit ZF4000 (B660) (or the next peripheral in line)
- 10. High Capacity Stacker SK5000 (D364)

### Note

Two "High Capacity Stacker SK5000 (D364)" units can be installed with the mainframe at the same time.

11. Finisher SR5000 (B830)

### **Other Options**

These remaining options can be installed at any time and in any order.

Tab Sheet Holder Type3260 (B499)

- Option for tandem tray
- A3/11"x17" Tray Unit TK5000 (B331)
  - Option for tandem tray
- Punch Unit PU 5000 (B831)
  - For Finisher SR5000 (B830) only
- Cooling Fan Unit Type 5000 (not shown)
  - Option for Finisher SR5000 (B830) only

Roll-Away Cart Type 5000 (D439) (not shown)

High Capacity Stacker SK5000 (D364)

Optional Counter Interface Unit Type A (not shown)

File Format Converter Type E (not shown)

DataOverwriteSecurity Unit H (not shown)

VM Card Type F (not shown)

# Technical Bulletin

Model: Aegis-P1 / C1

Date: 30-Apr-09

No.: RG178047

Printer G178 with Ring Binder RB5000 (D392)



There are many peripherals available for this machine. Install them in this order:

- 1. Mainframe (G178)
- 2. Multi Bypass Tray BY5000 (B833)

# Important)

This unit must be installed on the LCIT 5020 (D355) before the LCT is docked to the mainframe.

- 3. LCIT RT5020 (D355) or LCIT RT5000 (B832)
- 4. Vertical and Horizontal Bridge Unit (D379)

# Note

This unit is required only when two LCITs RT5020 are installed at the same time. Otherwise, it is not required.

- 5. LCIT RT5020 (D355)
- 6. Buffer Pass Unit Type 5000 (M379)
- 7. Cover Interposer Tray CI5010 (B835: Transport Unit)
- 8. Cover Interposer Tray (B835: Tray Unit)

# Important)

The Transport Unit (base) of the Cover Interposer Tray is narrow and cannot fully support its tray unit. Part of the tray unit must rest on top of the Z-folding unit (or the next peripheral device installed to the left of the cover interposer). To prevent the Cover Interposer Tray from falling, always install the next peripheral device in line before installing the tray unit "8" of the Cover Interposer Tray.

- 9. Z-Folding Unit ZF4000 (B660) (or the next peripheral in line)
- 10. Ring Binder RB5000 (D392)
- 11. Finisher SR5000 (B830)

# **Other Options**

These remaining options can be installed at any time and in any order.

Tab Sheet Holder Type3260 (B499)

- Option for tandem tray
- A3/11"x17" Tray Unit TK5000 (B331)
  - Option for tandem tray
- Punch Unit PU 5000 (B831)
  - For Finisher SR5000 (B830) only.

# Technical Bulletin

Model: Aegis-P1 / C1

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Optional Counter Interface Unit Type A (not shown) Data OverwriteSecurity Unit F (not shown)

# Copier D016 with Ring Binder RB5000 (D392)



# 1. Mainframe (D016)

- 2. LCT-MF (D016)
- 3. Vertical and Horizontal Bridge Unit BU5000 (D379)

U Note

This unit is required only when the optional LCIT RT5020 is installed. Otherwise, it is not required.

4. Multi Bypass Tray BY5000 (B833)

### ( Important

This unit must be installed on the LCIT 5020 (D355) before the LCT is docked to the LCT-MF.

- 5. LCIT RT5020 (D355)
- 6. Buffer Pass Unit Type 5000 (M379)
- 7. Cover Interposer Tray CI5010 (B835: Transport Unit)
- 8. Cover Interposer Tray (B835: Tray Unit)

### 🔂 Important

The "Transport Unit (base)" of the "Cover Interposer Tray" is narrow and cannot fully support its tray unit. Part of the tray unit must rest on top of the Z-folding unit (or the next peripheral device installed to the left of the cover interposer).

To prevent the "Cover Interposer Tray" from falling, always install the next peripheral device in line before installing the tray unit "8" of the "Cover Interposer Tray".

- 9. Z-Folding Unit ZF4000 (B660) (or the next peripheral in line)
- 10. Ring Binder RB5000 (D392)
- 11. Finisher SR5000 (B830)

### **Other Options**

These remaining options can be installed at any time and in any order.

Tab Sheet Holder Type3260 (B499)

Option for tandem tray

A3/11"x17" Tray Unit TK5000 (B331)



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Option for tandem tray
 Punch Unit PU 5000 (B831)
 For Finisher SR5000 (B830) only
 Cooling Fan Unit Type 5000 (not shown)
 Option for Finisher SR5000 (B830) only
 File Format Converter Type E (not shown)

DataOverwriteSecurity Unit H (not shown)

VM Card Type F (not shown)

Technical	<b>B</b> ulletin
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Model: Aegis-P1 / C1

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- Add the following information;
- Change the title of the module on page 45 from "Mainframe D016" to "Mainframe (G178 and D016)".
- Change the content of "Leveling the Mainframe" on **page 46** to the following content.

### Leveling the Mainframe

The level between the front side and the rear side of the mainframe must be within  $\pm$  2.5 mm/1,000 mm. Adjust the machine's level by adjusting the four feet under the machine.



12. Remove the waste toner bottle [1].



Place the leveling device [2] in 20 mm [3] from the bottom edge of the waste toner bottle housing as shown above.

|--|

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Check the level and adjust the four feet to keep the machine level.

Front to rear: Less than 2.5 mm (0.1")/1,000 mm away from level
 If the front side is lower than the rear side:
 Lift the front side of the machine by adjusting both feet at the front side

Lift the front side of the machine by adjusting both feet at the front side only. Do not adjust both sides' feet (front and rear) at the same time.

If the front side is higher than the rear side:

Lift the rear side of the machine by adjusting both feet at the rear side only. Do not adjust both sides' feet (front and rear) at the same time.

Reinstall the waste toner bottle in its housing.

Close the left and right front doors.

Close the rear controller box ( $\hat{\mathscr{F}} \times 4$ : upper x 2, lower x 2).

Reattach the rear top cover ( $\hat{\mathscr{F}} \times 3$ ).

Model: Aegis-P1 / C1	Date: 30-Apr-09	No.: RG178047

- Change the title of the content on page 61 from "Connecting the LCT-MF" to "Connecting the LCT-MF (D016 only)".
- Change the content of "Connecting the LCT-MF" (pages from 61 to 64) to the following content of "Connecting the LCT-MF (D016 only)".

# Connecting the LCT-MF (D016 only)

# **▲**CAUTION:

Turn off the machine and unplug it from the power source before you start the installation procedure. 
Correct Procedure to Turn Off the Power
When removing the LCT-MF from the mainframe, make sure that all cables and harnesses of the LCT-MF to the mainframe are disconnected.

# Preparing for LCT-MF Installation

### Outside of the ADF



1. Remove all tapes on the ADF.

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# IF Cable and Feed Unit



d016i602a

Remove the retainer in the ADF and the tape on the I/F cable.



# Under the ADF

d016i603a

Open the ADF, and then remove all tapes and retainers under the ADF and the tapes on the exposure glass.



Model: Aegis-P1 / C1

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# LCT-MF



Remove all tapes and retainers on the LCT-MF.

# In the Tray of the LCT-MF



Remove all tapes in the upper and lower trays of the LCT-MF.



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Inside the Front Left Cover of the LCT-MF



d016o606a Remove all tapes inside the front left cover of the LCT-MF.

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- Change the title of the content on page 78 from "Make a Test Color Print" to "Make a Test Color Print (D016 only)".
- Change the title of the content on page 78 from "ACC (Automatic Color Calibration) Adjustment" to "ACC (Automatic Color Calibration) (D016 only)".
- Change the content of "" on **page 92** to the following content.



2. Re-install the front cover [1] ( $\hat{P} \times 3$ ).

RICOH

Select the paper size setting for Tray 1 (A3 or DLT) with SP5-019-002 (Paper Size Tray1). After selecting the paper size, switch the machine off and on to change the indicator on the operation panel.

RICOH	Technical Bulletin		PAGE: 19/26
Model: Aegis-P1 / C1		Date: 30-Apr-09	No.: RG178047

- Change the title of the content on page 237 from "File Format Converter (D377-10)" to "File Format Converter (D377-10): D016 only".
- Change the title of the content on page 248 from "VM Card Type F (D377-04)" to "VM Card Type F (D377-04): D016 only".

Model: Aegis-P1 / C1

**RICOH** 

Date: 30-Apr-09

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• Add the following installation procedure for the new buffer pass unit option (M394).

This procedure is newly added. Therefore, red text is not used.

# Buffer Pass Unit Type 5000 (M379)

# Accessory Check

Check the quantity and condition of the accessories in the box against the following list:

	Description	Qty
1.	Sponge Stripe	1
2.	Screw	4
3.	Leveling Shoes	4
4.	Rear Docking Bracket	1
5.	Front Docking Bracket	1
6.	Mylar	2* <sup>1</sup>
7.	Power Cord	1
-	Caution Decal for Multi Power Sources	1
.1		

<sup>\*1</sup>: These items are used for the paper guide plate of the downstream peripheral.



m379i100

Model: Aegis-P1 / C1

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# Installation

### **CAUTION**:

Disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before starting the following procedure. Do not pull out the buffer pass unit drawer until this unit has been docked to the

mainframe. Otherwise, the buffer pass unit can fall down.

### Unpacking



1. Remove all external tapes [A].

Open the front door [B] and remove all tapes [C].

### **CAUTION**:

Do not pull out the buffer pass unit drawer [D] until this unit has been docked to the mainframe. Otherwise, the buffer pass unit can fall down.

RI	СОН	

Model: Aegis-P1 / C1

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Preparing for Docking



m379i005

2. Remove the tape from the sponge strip [A] and attach it to the buffer pass unit as shown above.

Docking the Buffer Pass Unit to the Mainframe



3. Attach the rear docking bracket [A] ( $\mathscr{F} \times 2$ : M4x8). Attach the front docking bracket [B] ( $\mathscr{F} \times 2$ : M4x8).



Open the front door [A]. Pull out the locking lever [B] ( $\mathscr{F} \times 1$ ).



Dock the buffer pass unit [A] to the mainframe. Push in the lock lever [B] and fasten it ( $\hat{\mathscr{F}} \ge 1$ ).



Connect the I/F cable [A] of the buffer pass unit to the socket [B] of the mainframe. Connect the power cord to the buffer pass unit and connect the other end of the cord to a wall outlet.




Attach the caution decal [A] for multiple power sources to the power plug [B] (for NA) or [C] (for EU) of the mainframe.

• The caution decal [A] must be attached approximately 30 mm [D] from the power plug end.

## Technical Bulletin

Model: Aegis-P1 / C1

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Removing the Shipping Brackets



Close the front door.

Connecting the Other Peripheral to the Buffer Pass Unit



1. Attach the docking bracket (provided with a downstream peripheral) to the left side [A] of the buffer pass unit.



Attach the black mylars [A] to the entrance guide plate [B] of the next finishing device to be installed to the left of the buffer pass unit.

Do not attach these mylars to the entrance guide plate of the buffer pass unit.

Dock the downstream peripheral to the buffer pass unit.

## Technical Bulletin

Model: Aegis-F	91 / C1		Dat	e: 30-Apr-	09	No.: RG178048
Subject: Manual Corrections				Prepared by: N.iida		
From: PPBG QA/	Service Planning Dept.					
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	<ul> <li>Part informa</li> <li>Electrical</li> <li>Transmit/red</li> <li>Other (</li> </ul>		tion eive )	Action Servic Retrot Tier 2	n required ce manual revision fit information

The "Preventive Maintenance" section of the service manual for the AG-C1 (D016) has been corrected in order to be updated and be used for both the copier model (D016) and the printer model (G178).

- Add the following new information which is shown in red text.
- On page 239 in the service manual for the AG-C1

## **PM** Counter

The PM Counter main menu and submenu allows you to review the PM counts for both units and individual components.

This machine can be maintained with PM parts replacement by a service engineer or TCRU replacement by a trained customer. If TCRU replacement is done, the same PM counter is also reset automatically. (For example: If the "Y PCU Drum Unit" is replaced by TCRU replacement, the PM counter for the "Y PCU Drum Unit" is reset). For details about TCRU, see the "Replacement Guide: TCRU (for AG-C1 D016 or AG-P1 G178)".

- Change step 1 on page 241.
- 1. Enter the SP mode.
- Change the contents of "Important Points at Fusing Parts Replacement" on page 245 and "Mainframe PM Parts" on pages from 245 and 250 to the following content.

#### Important Points at Fusing Parts Replacement

The automatic fusing oil supplement for the Copier D016 and Printer G178 machines is executed if the machine is in the fusing oil near end condition when resetting the PM counter for components in the fusing unit (except the fusing cleaning unit) or after the machine has not been turned on for more than one week. The automatic fusing oil supplement takes 750 seconds.

Check the following points before replacing the PM parts in the fusing unit.

- 1. Check the machine condition before installing a new PM part in the fusing unit or turning on a machine which has not been turned on for more than one week.
- 2. Supply fusing oil to the fusing unit in the copier D016 or printer G178 machine if fusing oil near end has been displayed on the operation panel.

Model: Aegis-P1 / C1

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No.: RG178048

## Mainframe PM Parts

	80K	120K	140K	Note
Transport belt			R	Clean with a damp cloth, or alcohol
Feed belt		R		
Separation roller		R		
Pick-up roller		R		
Sensors		I		Blower brush
Drive gears	I	I		Lubricate with a very small amount of G501.

#### Scanner Unit (D016 only)

	400K	800K	1000K	3000K	Note
1st to 3rd mirrors	С				Optics cloth
Dust Filter	I/C				Blower brush
Wire Adjustment				I	
Exposure Glass			R		

#### PCDU

	400K	800K	1200K	2000K	Note
Drum Unit: K			R		
Drum Unit: CMY				R	
Charge Corona Units	R				
Drum Cleaning Brush	D				
Roller					
Drum Cleaning Blade	R				
Drum Lubricant Brush	R				
Roller					
Drum Lubricant Blade	R				
Drum Lubricant Bar	R				
Drum Cleaning Gear Unit	R				
Developer		R			
Development Unit					
Dust Shield Glass	С				Blower brush
Erase Lamp Shield Glass	С				Blower brush
Drum Potential Sensor	С				Blower brush

#### **Transfer Units**

	400K	800K	1600K	Note
ITB Unit				
ITB (Image Transfer Belt)			R	
Image Transfer Rollers		R		
ITB Bias Roller		R		
All Other Rollers in the ITB Unit		C		Wipe with a dry
	I	0		cloth

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Model: Aegis-P1 / C1	Date: 30-/	Apr-09	No.: RG178048	
	400K	800K	1600K	Note
ID and MUSIC Sensors		С		Wipe with a damp cloth (alcohol)
ITB Cleaning Brush Roller	R			These items are
ITB Cleaning Blade	R			always replaced
ITB Lubricant Bar	R			as a set.
ITB Lubricant Brush Roller	R			
ITB Fan	С			Blower brush or dry cloth
PTR (Paper Transfer Roller) Unit				
Paper Transfer Roller	R			
PTR Cleaning Brush Roller	R			
PTR Cleaning Blade	R			
PTR Lubrication Bar	R			
PTR Lubrication Brush Roller	R			
PTR Discharge Plate	R			
PTR Entrance Mylar	С			Alcohol

#### Toner Hopper

	400K	800K	2400K	Note
Toner Hopper Unit	С			Blower brush or
				dry cloth
Toner Bottle Motor Gears			С	Grease Barrierta - S552R

#### Sub-Hopper Unit

	3200K	Note
Sub-hopper Unit Gear	L	Grease Barrierta
Fusina Unit		

	100K	800K	1000K	1600K	2400K	Noto
	4001	0001	TUUUK	10001	24001	NOLE
Fusing Belt	R					
Hot Roller		R				
Pressure Roller	R					
Oil Supply Unit	R					
Oil Supply Unit Idle Gear 1	R					
Oil Supply Unit Idle Gear 2	R					
Oil Supply Unit Joint Gear	R					
Pressure Roller Stripper Pawl		R				
Unit						
Fusing Belt Stripper Plate	С					Dry cloth
Oil Pad	R					
Oil Pan	R					
Oil Sump	R					
Oil Tank Filters	R					
Pressure Roller Blade	R					
Fusing Tension Roller	R					

## Technical Bulletin

Model: Aegis-P1 / C1			Date: 3	0-Apr-09	No.: RO	No.: RG178048		
	400	K	800K	1000K	1600K	2400K	Note	
Fusing Cleaning Unit	R							
Fusing Oil	R*							
Heating Roller Thermistors	I				R			
Pressure Roller Thermistors	I				R			
Thermopile			С				Blower brush	
Fusing Entrance Guide	I							
Hot Roller Gear						R		
*: Fill the oil tank up to the mark	-							
Paper Feed: Mainframe	<u>.</u>							
		40	)0K	800K	1200K		Note	
Registration Rollers			С			Damp	cloth	
All Rollers in Registration Unit			С			Damp	cloth	
Registration Feed Guide Plate						Damp	cloth	
Registration Sensor			С			Blower	<sup>-</sup> brush	
Registration Unit Entrance Sens	or		С			Blower	Blower brush	
Paper Transfer Sensor			С		Blowe		<sup>-</sup> brush	
Double Feed Sensors			С			Blower brush		
CIS			С			Blower	Blower brush	
Paper Feed: Trays								
	<mark>300K</mark>	4	00K	800K		Note		
Pick-up Rollers					Service Lif	fe: 1000K		
(Tray 1 to Tray 2)					Replace if	jams and	/or double-	
Paper Feed Rollers					feeds occu	ur with inc	reasing	
(Tray 1 to Tray 2)					frequency.			
Separation Rollers								
(Tray 1 to Tray 2)								
Paper Feed Sensor			С		Blower brus		sh	
Vertical Feed Sensors			С		Blower brush			
Paper Feed Roller	R				Damp cloth			
(Tray 3 and 4)								
Pick-up Roller R					Damp cloth			
(Tray 3 and 4)								
Separation Roller R					Damp clot	h		
(Tray 3 and 4)								
Transport Guide Plate	nspect and clean every 500K. (Damp cloth)							
(Tray 3 and 4)								
Grip Roller Inspect		pect and clean every 500K. (Damp cloth)						
(Tray 3 and 4)								

## Technical Bulletin

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Model: Aegis-P1	/ C1		Dat	e: 8-May-0	)9	No.: RG178049
Subject: Manual Corrections				Prepared by: N.iida		
From: PPBG QA/	Service Planning Dept.					
Classification:	Troubleshooting	Part info	ormat	tion	Action	n required
	Mechanical	Electrica	al 🛛 🖂 Sei		Servic	e manual revision
	Paper path	🗌 Transm	it/rec	eive	Retrof	fit information
	Product Safety	Other (		)	Tier 2	

The "Replacement and Adjustment" section of the service manual for the AG-C1 (D016) has been corrected in order to be updated and be used for both the copier model (D016) and the printer model (G178).

- Add the following new or revised information which is printed in red text.
- On **page 258**

#### Scanner Unit (D016 only)

- 1. When installing a new exposure glass, make sure that the white paint mark is at the rear left corner.
- 2. Clean the exposure glass with alcohol or glass cleaner to reduce the amount of static electricity on the glass surface.
- 3. Use a cotton pad with water or a blower brush to clean the mirrors and lenses.
- 4. Never bend or crease the exposure lamp cables.
- 5. Never disassemble the lens unit. Doing so will throw the lens and the copy image out of focus.
- 6. Never adjust any CCD positioning screw. Doing so will throw the CCD out of position.
- On page 261

#### **Special Tools**

Part No.	Description
A0069104	Scanner Positioning Pin (4 pcs./set)* <sup>1</sup>
A2929500	Test Chart – C4 (10 pcs./set) * <sup>1</sup>
A0299387	Digital Multimeter – FLUKE 87
B6455010	SD (Secure Digital) Card – 64 MB
G0219350	Loop Back Connector

\*1: These tools are used only for the D016 model.

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• On **page 262** 

#### Scanning (D016 only)

Before doing the following scanner adjustments, perform or check the printing registration/side-to-side adjustment and the blank margin adjustment. Use a C4 test chart to perform the following adjustments.

#### • On **page 263**

#### ADF (D016 only)

ADF side-to-side and leading edge registration



• On **page 265** 

#### Color Registration Check

#### Checking Procedure for Printer (G178) model

To check the color registration on the output, do the following procedure.

- 1. Turn on the main power switch.
- 2. Enter the SP mode and then select SP2109-002 ("Select Pattern" < "Write Test Pattern").
- 3. Select the No.9 (9: 20mm Grid) pattern in the test pattern list, and then press "OK".
- 4. Press the "APL Window" button on the top of the LCD.
- 5. Select a paper size and print mode (simplex or duplex).
- 6. Prepare a PC for printing.
- 7. Print a test page in the Fiery printer driver.

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8. Check that the grid lines for each color are superimposed correctly.

- Do not use the "Print" button on the LCD to print a test pattern. Only a black and white image is outputted if you use the "Print" button on the LCD. The color registration check requires a color image output.
- Make sure that a test page has black, red, green and blue colors.

#### Checking Procedure for the Copier (D016) model

To check the color registration on the output, do the following procedure.

- 1. Turn on the main power switch.
- 2. Set a sheet of paper on the original tray of ADF.
- 3. Enter the SP mode and then select SP2109-002 ("Select Pattern" < "Write Test Pattern").
- 4. Select the No.9 (9: 20mm Grid) pattern in the test pattern list, and then press "OK".
- 5. Press the "APL Window" button on the top of the LCD.
- 6. Select a paper size and print mode (simplex or duplex).
- 7. Select the "Full Color" mode.
   Make sure that the "Full Color" mode is selected. Otherwise, the color

registration check cannot be done correctly.

- 8. Press the "Start" key on the operation panel.
- 9. Check that the grid lines for each color are superimposed correctly.

#### Recovery Procedure

If a problem appears on the test print, do the following procedures.

- Exit from SP2109-002 and then select SP2153-001 ("Manual Execute: Mode a" < "MUSIC Condition Settings 1").
- 2. Execute "MUSIC: Mode a".
- 3. Print out the "20mm Grid" with SP2109-002, and then check the test pattern.

#### Ruled Line Check

#### Note

Use "T6000 (70W)", "mondi 90gsm" or "Hammermill Color COPY 105gsm" paper to check the image quality of the printout.

Checking Procedure for the Printer (G178) model

- 1. Turn on the main power switch.
- 2. Enter the SP mode (System SP) and then select SP2109-002 ("Select Pattern" < "Write Test Pattern").
- 3. Select the No.9 (9: 20mm Grid) pattern in the test pattern list, and then press "OK".
- 4. Print out the 20mm grid pattern sample for each single color with SP2109-004. There are 8 bits on the screen in SP2109-004. Each bit corresponds with a color.



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$$(7) \boxed{0000000}_{[1]} (0)$$

g178r691

"0": Not selected, "1": Selected

- [1] for **"Black"**. Press the **"3**" key on the operation panel if you want to select this color.
- [2] for "Cyan". Press the "2" key on the operation panel if you want to select this color.
- [3] for **"Magenta"**. Press the **"1**" key on the operation panel if you want to select this color.
- [4] for **"Yellow"**. Press the **"0**" key on the operation panel if you want to select this color.
- 5. Press the "APL Window" button on the top of the LCD.
- 6. Select a paper size and print mode (simplex or duplex).
- 7. Prepare a PC for printing.
- 8. Print a test page in the Fiery printer driver.
- 9. Check that the grid lines for each single color test pattern are not scratched.

Note

- Do not use the "Print" button on the LCD to print a test pattern. Only a black and white image is outputted if you use the "Print" button on the LCD. The color registration check requires a color image output.
- Make sure that a test page has a relevant color.

#### Checking Procedure for the Copier (D016) model

To check the ruled line on the output, do the following procedure.

- 1. Turn on the main power switch.
- 1. Set a sheet of paper on the original tray of the ADF.
- 2. Enter the SP mode and then select SP2109-002 ("Select Pattern" < "Write Test Pattern").
- 3. Select the No.9 (9: 20mm Grid) pattern in the test pattern list, and then press "OK".
- 4. Print out the 20mm grid pattern sample for each single color with SP2109-004. There are 8 bits on the screen in SP2109-004. Each bit corresponds to a color.

$$(7) \boxed{0000000}_{[1]} (0)$$

g178r691

"0": Not selected, "1": Selected

- [1] for **"Black"**. Press the **"3**" key on the operation panel if you want to select this color.
- [2] for **"Cyan"**. Press the **"2**" key on the operation panel if you want to select this color.

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- [3] for **"Magenta"**. Press the **"1**" key on the operation panel if you want to select this color.
- [4] for **"Yellow"**. Press the **"0**" key on the operation panel if you want to select this color.
- 5. Press the "APL Window" button on the top of the LCD.
- 6. Select a paper size and print mode (simplex or duplex).
- 7. Select the "Full Color" mode.
   Make sure that the "Full Color" mode is selected. Otherwise, the color registration check cannot be done correctly.
- 8. Press the "Start" key on the operation panel.
- 9. Check that the grid lines for each single color test pattern are not scratched.



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#### Laser Synchronizing Detector



Note A1: Leading edge detector for Y or C, A2: Leading edge detector for K or M B1: Trailing edge detector for Y or C, B2: Trailing edge detector for K or M

• On page 327

#### Sub-Hopper Unit



Do not remove the terminal case [A] of the development roller in this removal procedure. Removing the terminal case [A] is not necessary for this removal procedure. Be careful that the spring in the terminal case does not fall when removing the terminal case [A].



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#### Belt Speed Sensor

1. Image transfer belt (
 Image Transfer Belt)





g178r987



g178r988

- 2. Sensor holder bracket [A] ( $\hat{\mathscr{F}} \times 1$ )
- 3. Encoder roller [B] with the encoder unit ( $\hat{\beta} \times 1$ ,  $\vec{\mu} \times 1$ )
  - The belt speed sensor is located in the encoder unit (black case). However, the encoder unit (belt speed sensor) cannot be detached from the encoder roller (these are precisely adjusted). When replacing the encoder unit (belt speed sensor), replace the encoder roller with the encoder unit.

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When reinstalling the encoder roller with the encoder unit





g178r881

1. Do not hold the encoder unit (black case) [A] when reinstalling the encoder roller with the encoder unit. Hold the shaft [B] of the encoder roller.



g178r882

2. Hold the sensor board [A] with your fingers when connecting the harness. Otherwise, the belt speed sensor may come off from the sensor board and the machine may not detect the belt speed correctly.



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#### Fusing Belt

1. Hot roller gear (see above)



2. Pull up the fusing belt [A], and then remove it. When installing a new fusing belt



g178r525

- When installing a new fusing belt, make sure that the new fusing belt is installed with its blue rim [A] facing the front side and the gray rim [B] facing the rear side.
- On page 505

#### **De-curler Unit**

#### **▲**CAUTION:

Most parts in the de-curler unit have been precisely adjusted at the factory. Do not disassemble the parts whose replacement procedures are not mentioned in this manual. Otherwise, the adjustment for the de-curler unit requires special tools. Only the following parts can be replaced without the de-curler unit adjustment. De-curler Unit Motor De-curler Feed Motor

De-curler Unit HP and Limit Sensor

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After New NVRAM Installation

- 1. Plug in the power cord. Then turn on the main switch.
- 2. Check if the serial number shows on the operation panel. (SP5-811-002). Input the serial number if it does not show. (Contact your supervisor about this setting.)
- 3. Turn off and on the machine.
- 4. Copy the data from the SD card to the NVRAM (SP5-825-001) if you have successfully copied them to the SD card.

**Note** 

The counter data in the user code information clears even if step 3 is done correctly.

An error message shows if the download is incomplete. However, you can still use the part of a data that has already been downloaded in step 3. An error message shows when the download data does not exist in the SD card, or, if it is already deleted.

- 5. Go out of SP mode. Then turn off the color controller and the main switch. Then remove the SD card from SD card slot 2.
- 6. Turn the main switch on.
- 7. Specify the SP and UP mode settings.
- 8. Do the "ACC" procedure only if a new NVRAM is installed in the Copier (D016) model.

# On page 552 Document Feeder (D016 only)

On page 567
 Scanner Unit (D016 only)



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#### On pages from 599 to 601

### LCT Vertical Transport and Grip Sensors

Note

Remove the multi bypass tray first, if it is installed.



d355r208

1. Remove: [A] Stay (斧 x 4).



2. Disconnect the harnesses (ﷺ x All).



d355r210

Firmly grip the vertical exit unit as shown above, and then remove it from the

Do not grip the guide [B], because it is easy to deform.

OF.



4. Remove:

3. Remove:

() Important

LCT unit.

[B] LCT sensors (hooks)

[A] Vertical exit unit ( $\hat{\beta} \times 4$ )

- (1): LCT grip sensor 1
- (2): LCT vertical transport sensor 1
- (3): LCT vertical transport sensor 2
- (4): LCT grip sensor 2

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#### PAGE: 1/22

Model: Aegis-P1	/ C1		Dat	e: 8-May-0	)9	No.: RG178050
Subject: Manua	I Corrections			Prepared	d by: N.iid	da
From: PPBG QA/	Service Planning Dept.					
Classification:	<ul> <li>Troubleshooting</li> <li>Mechanical</li> <li>Paper path</li> <li>Product Safety</li> </ul>	Part info	ormat al it/rec	ion eive )	<ul> <li>☐ Action</li> <li>⊠ Servic</li> <li>☐ Retrof</li> <li>☐ Tier 2</li> </ul>	n required ce manual revision fit information

The service manual for the AG-C1 (D016) has been corrected in order to be updated and be used for both the copier model (D016) and the printer model (G178).

- Add the following new or revised information which is printed in red text.
- On page 1432

#### Paper Path

#### Printer (G178) model



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Copier (D016) model





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• On pages from 1436 to 1438 (Drawing has been changed.)

#### **Board Structure**



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#### **Component Descriptions**

#### BCU (Base Engine Control Unit):

The BCU controls all the mechanical components and the following functions:

- Engine sequence
- Engine operation
- Polygon motor control

#### Controller:

The controller connects to the IPU through a PCI bus. The controller handles the following functions:

- Operation panel interface
- Network interface (only for NRS)

#### IPU:

The Image Processing Unit is a large-scale integrated circuit. This unit processes digital signals.

#### LDB:

This is the laser diode drive circuit board.

#### OPU:

This controls the display panel, the LED and the keypad.

#### IOB (In/Out Board) 1:

Contains drivers for motors and other mechanical components.

#### IOB (In/Out Board) 2:

Contains drivers for motors and other mechanical components.

#### RB:

This board relays power supply from PSU EA1 to 24V devices.

#### FIB (Finisher Interface Board):

This controls all finishers.

#### AC Drive:

This board makes AC power from DC power source.

#### **RCB** (Registration Controller Board):

This is an interface board and controls the registration unit, PTR unit and duplex transport motors.

#### TRB:

This controls the ITB unit and ID/ MUSIC sensors.

#### SBU (Scanner Board Unit) (D016 only):

The SBU does the following:

- Receives analog signals from the CCD and converts them to digital signals.
- Sends digital data to the IPU via the CNB (relay board).

#### MCU (Motor Control Unit) (D016 only):

The MCU does the following:

- Controls the scanner motor with the commands from the BCU.
- Also controls exposure lamp on/off timing, APS detection, the fan motors, generation of gate signals, and transmission of serial data.

#### SIB (Scanner I/O Board) (D016 only):

This board controls the scanner motor and all the sensors in the scanner unit.

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## ADF (D016 only)

## Overview



1. Entrance Sensor	9. Feed-out Roller
2. Separation Roller	10. Exit Junction Gate
3. Feed Belt	11. Inverter Roller
4. Pick-up Roller	12. Exit Sensor
5. Original Tray	13. Transport Belt
6. Inverter Junction Gate	14. Registration Sensor
7. Inverter Guide Roller	14. Width Sensors (x3)
8. Inverter Sensor	

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# On page 1452 Scanning (D016 only)

#### Overview



	b234d001
1. Scanner Motor	14. SIB (Scanner Interface Board)
2. Optics Exhaust Fan	15. Lamp Regulator Fan (Right)
3. Lamp Regulator Fan (Left)	16. Connector Board
4. Thermistor	17. SBU (CCD) Cooling Fan
5. Scanner HP Sensor	18. SBU (CCD)
6. White Plate (on exposure glass)	19. Scanner Lens
7. 2nd Mirror	20. 3rd Mirror
8. Exposure Glass	21. Lamp Regulator (Right)
9. Original Length Sensors 1 (APS)	22. Original Width Sensors 1, 2, 3 (APS)
10. Original Length Sensors 2 (APS)	23. Lamp Regulator (Left)
11. Exposure Lamps (x2 Xenon)	24. MCU
12. 1st Mirror	25. Scanner Motor Cooling Fan
13. Optics Intake Fan	

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Tray 3 and 4 (LCT-MF: D016 only)





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• On page 1528

## Drive Layout: Tray 3 and 4 (LCT-MF: D016 only)



1.	LCT-MF Lift Motor 1
2.	LCT-MF Horizontal Relay Motor
3.	LCT-MF Paper Feed Motor 1
4.	LCT-MF Grip Motor 1
5.	LCT-MF Vertical Transport Motor 1
6.	LCT-MF Exit Roller Contact Motor
7.	LCT-MF Exit Motor
8.	LCT-MF Vertical Transport Motor 2
9.	LCT-MF Grip Motor 2
10.	LCT-MF Paper Feed Motor 2
11.	LCT-MF Lift Motor 2



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On pages from 1541 to 1551

#### Paper Feed Rollers: Tray 3 and 4 (D016 only)



d355d930

This LCT-MF has two paper trays. Capacity: 4,000 (2,000 x 2) sheets. Each tray contains four rollers:

[A] Pick-up roller, [B] Paper feed roller, [C] Separation roller, [D] Grip roller The pick-up roller, paper feed roller, and separation roller use the standard FRR paper feed system.

Paper Feed Motors: Tray 3 and 4 (D016 only) [B] [A] [D] [E] [C] b834d931 [F]

Two stepper motors control paper feed drive:

[A]: LCT-MF paper feed motor

[B]: LCT-MF grip motor

The paper feed motor [A] drives the pick-up roller [C] and the paper feed roller [D]. The grip motor [B] drives the grip roller [E] that feeds the paper out of the tray, and the separation roller [F].

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Paper Separation: Tray 3 and 4 (D016 only)



When the paper feed station is selected for a job, the paper feed motor [B] and grip motor [C] turn on.

- When the feed motor [B] turns on, it drives the feed roller [D]. It also drives the pickup roller [E] because the pick-up roller is linked to the feed roller by an idle gear.
- When the paper feed station is set in the mainframe, the separation lift lever rises. As a result, the separation roller [A] contacts the paper feed roller [D] and turns with the feed roller, unless more than one sheet of paper is fed. The two trays of the LCT-MF unit use the standard FRR mechanism.
- When the paper feed motor turns on after the pick-up solenoid has turned on, the pick-up roller [E] lowers until it contacts the top sheet of the paper stack and then sends it to the paper feed and separation rollers.

#### If the air assist fan is NOT used:

 When the paper feed sensor [F] detects the leading edge of the paper, the paper feed motor switches off, the pick-up roller lifts, and the grip rollers [G] feed the paper out of the tray.

#### If the air assist fan is used:

 When the grip sensor detects the leading edge of the paper, the paper feed motor switches off, the pick-up roller lifts, and the grip rollers [G] feed the paper out of the tray.



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Paper Detection/Lift: Tray 3 and 4 (D016 only)



#### Detection

When the tray set in the machine, the tray is detected by the drawer connector on the back side of the tray.

#### Lift

When the machine detects that the paper tray is set in the machine:

- The tray lift motor [A] rotates forward
- Coupling gear [B] on the tray lift motor engages pin [C] of the lift drive shaft.
- The tray drive belts [D], connected to the tray bottom plate [E], are driven by the tray lift motor via the lift drive shaft and tray lift pulleys [F].
- When the lift motor rotates forward, the tray bottom plate [E] rises. The tray rises until the top of the paper stack pushes up the pick-up roller and the lift sensor in the feed unit is de-activated.
- When the actuator [G] on the rear end of the bottom plate activates the paper height sensors [H], the remaining paper capacity is detected.

When the tray is pulled out:

- Coupling gear [B] separates from pin [C] and the tray bottom plate goes down.
- A damper slows the descent of the bottom plate.





When the tray lift motor turns on, the pick-up solenoid [A] activates to lower the pick-up roller [B]. When the top sheet of paper reaches the proper paper feed level, the paper pushes up the pick-up roller and the actuator [C] on the pick-up roller supporter [D] deactivates the lift sensor [E] to stop the tray lift motor.

After several paper feeds, the paper level gradually lowers, then the lift sensor is activated and the tray lift motor turns on again until the lift sensor is de-activated again.



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#### Paper Size Detection: Tray 3 and 4 (D016 only)



		d35
W3	Paper Width Sensor	
W2	Paper Width Sensor 2	
W1	Paper Width Sensor 1	
L1	Paper Length Sensor	•

Each tray has three paper width sensors and one paper length sensor. The illustration above shows how four sensors are arranged in the tray.

This table below describes how the three width sensors and one length sensor are used to determine the paper size in the paper tray.

Paper Size		Wid	th Se	nsors	Length Sensor	Area	1
		W1	W2	W3	L1	NA	EU
Large	12"×18"					YES	YES
Size	13"×19"	L	L	L	Н	NO	NO
	320×450 mm					NO	NO
A3 SEF	297×420 mm	L	L	Н	Н	YES	YES
A4 LEF	297×210 mm	L	L	Н	L	YES	YES
DLT SEF	11"×17"	L	Н	L	Н	YES	YES
LT LEF	11"×8 <sub>1/2</sub> "	L	Н	L	L	YES	YES
B4 SEF	257×364 mm	L	Н	Н	Н	YES	YES
B5 LEF	257×182 mm	L	Н	Н	L	YES	YES
A4 SEF	210×297 mm	Н	L	L	Н	NO	YES
LT SEF	8 <sub>1/2</sub> "×11"	Н	L	L	Н	YES	NO

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Model: Aegis-P1 / C1 No.: RG178050 Date: 8-May-09 Paper Size Width Sensors Length Area Sensor W2 W3 NA W1 L1 EU A5 LEF  $210 \times 148 \text{ mm}$ NO YES Н L L L HLT LEF 8<sub>1/2</sub>"×5<sub>1/2</sub>" L YES Н L L NO B5 SEF 182×257 mm Η L Η Η NO NO F SEF Η Η Η YES YES 8"×13" L YES A5 SEF 148×210 mm Η YES Н L L HLT SEF Η Н Н L YES YES 5<sub>1/2</sub>"×8<sub>1/2</sub>"

#### Table Key

YES:	Detected automatically
NO:	Not detected automatically. Requires size setting change with the "Tray Paper
	Setting" key on the copier operation panel to detect the desired paper size.
H:	Sensor OFF
L:	Sensor ON



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#### Remaining Paper Detection: Tray 3 and 4 (D016 only)



d350d109a

[A]	Paper Height Sensor Actuator
1	Paper Height Sensor 1
2	Paper Height Sensor 2
3	Paper Height Sensor 3
4	Paper Height Sensor 4 (Near End)

Each tray has four paper height sensors. The amount of paper remaining in the tray is detected by the four paper height photo-interrupter sensors on the left rail as the bottom plate rises. Five states, determined by the position of the actuator [A] are possible.

- 1. With the actuator [A] below paper height sensor ①, no sensor is actuated and the display indicates 100%.
- 2. When the actuator passes paper height sensor ①, the display indicates 75% of the paper supply remaining.
- 3. When the actuator passes paper height sensor <sup>(2)</sup>, the display indicates 50% of the paper supply remaining.
- 4. When the actuator passes paper height sensor ③, the display indicates 25% of the paper supply remaining.
- 5. When the actuator enters the gap of the near end sensor ④, and then passes paper height sensor ③, the machine signals near end.
- 6. Finally, when the last sheet feeds, the paper end sensor (a photosensor) signals that the tray is empty.



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Paper End Detection: Tray 3 and 4 (D016 only)



d350d936

The paper end sensor [A] (a photosensor) detects the top sheet of the paper in the tray by monitoring the reflected light. After the last sheet in the tray leaves the tray, the paper end sensor does not receive the reflected light due to cutout [B]. This causes the tray lift motor to reverse and lower the tray bottom plate until the bottom plate reaches the lower limit.

#### Air-assisted Feed Mechanism: Tray 3 and 4 (D016 only)



Two air assist fans [A] and [B] comprise the air assist mechanism.

The air flow created by the opposing fans floats the first sheet off the top of the stack. This assists in the separation of the top sheet from the sheet below and prevents double-feeding.

This only works when feeding the following paper types: Thick 2, Thick 3, Special 2, coated paper 1, coated paper 2 and coated paper 3.



<sup>d355d935b</sup> The LCT-MF exit motor [A] normally drives the LCT-MF exit roller [B] to feed paper to the LCT-MF entrance roller in the main machine. However, if LT SEF paper or longer is selected for printing, the LCT-MF exit idle roller [C] keeps away from the LCT-MF exit roller, corresponding with the registration timing roller in the main machine for the skew adjustment in the main machine. For details, see the following section "LCT-MF Exit Roller Movement".

[E]

[A]

[F]

The LCT-MF exit roller contact motor drives the contact cam [E] to move the roller contact lever [F]. As a result, the LCT-MF exit idle roller moves between the contact position and non-contact position. The LCT-MF exit contact sensor [G] detects whether the LCT-MF exit idle roller is in contact with the LCT-MF exit roller.


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### LCT-MF Exit Roller Movement



In the registration unit of the main machine, the skew adjustment is done by the registration gate [A], shift idle roller [B] and registration timing roller [C]. After correcting paper skew, the registration gate lowers.

When paper reaches the registration gate, if LT SEF paper or longer is selected for printing, the trailing edge of paper is still between the LCT-MF exit rollers. To do the skew adjustment correctly, the paper must be released and free from the LCT-MF exit rollers as well as the registration timing roller.

The LCT-MF exit idle roller returns to the contact position after the paper has passed the registration gate.

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## **Fusing Temperature Control**

### **Target Temperature**

The machine determines the operating condition with the three thermistors at both sides of the machine and at the paper tray unit. According to a detected condition, the machine decides the appropriate target temperature for each machine status.



### 1: Warm up/ Recovery from Sleep Mode

Target temperature for each roller is decided by the following temperatures.

- Low temp. condition: Machine Temp < SP1107-018 Heating Roller Temp = 175°C (SP1105-029) + 5°C (SP1107-020) Pressure Roller Temp = 150°C (SP1108-103) + 5°C (SP1107-020)
- Normal temp. condition: SP1107-018 < Machine Temp < SP1107-019 Heating Roller Temp = 175°C (SP1105-029) Pressure Roller Temp = 150°C (SP1108-103)
- High temp. condition: SP1107-019 < Machine Temp Heating Roller Temp = 175°C (SP1105-029) – 0°C (SP1107-021) Pressure Roller Temp = 150°C (SP1108-103) – 0°C (SP1107-021)

### 2: Idle Rotation after Reload Temperature

Target temperature for each roller is decided by the following temperatures.

- Low temp. condition: Machine Temp < SP1107-018</li>
   Heating Roller Temp = 175°C (SP1105-030) + 5°C (SP1107-020)
   Pressure Roller Temp = 150°C (SP1108-104) + 5°C (SP1107-020)
- Normal temp. condition: SP1107-018 < Machine Temp < SP1107-019 Heating Roller Temp = 175°C (SP1105-030) Pressure Roller Temp = 150°C (SP1108-104)
- High temp. condition: SP1107-019 < Machine Temp Heating Roller Temp = 175°C (SP1105-030) – 0°C (SP1107-021) Pressure Roller Temp = 150°C (SP1108-104) – 0°C (SP1107-021)

### 3: Ready/ Stand-by

Target temperature for each roller is decided by the following temperatures.

 Low temp. condition: Machine Temp < SP1107-018 Heating Roller Temp = 185°C (SP1105-032)

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Model: Aegis-P1 / C1	Date: 8-May-09	No.: RG178050
Pressure Roller Temp = 135°C (SP1108	-106)	
Normal temp. condition: SP1107-018 <	Machine Temp < SP1 <sup>4</sup>	107-019
Heating Roller Temp = 175°C (SP1105-	J31)	
Pressure Roller Temp = 125°C (SP1108	-105)	
High temp. condition: SP1107-019 < Ma	chine Temp	
Heating Roller Temp = 175°C (SP1105-	033)	
Pressure Roller Temp = 125°C (SP1108	3-107)	
4: 1st Print		
Target temperature for each roller is decided b	y the following temper	atures.
Heating Roller Lemp = Larget Lemp for eac	ch paper type (SP110	5-040 to -229/
SP1108-007 to -161) + 0°C (SP1107-028) Pressure Deller Temp - Terret Temp for ex-	ach nonar tuna (CD11)	05 040 to 220/
Pressure Roller Lemp = Larget Lemp for ea	ach paper type (SP110	J5-040 to -229/
$5^{\circ}$ (rixeu) = $10^{\circ}$ (rixeu) = $5^{\circ}$ (rixeu)		
Target temperature for each roller is decided h	v the following temper	raturas
Heating Roller Temp = Target Temp for each	ch paper type (SP110)	5-040 to -229/
SP1108-007 to $-161$ )		5 040 10 220/
Pressure Roller Temp = Target Temp for ea	ach paper type (SP11)	05-040 to -229/
SP1108-007 to -161)		
6: Printing		
Target temperature (xxx) for each roller is deci	ded by the following te	emperatures.
Low temp. condition: Machine Temp < 1	0°C	
Heating Roller Temp = xxx°C (SP1105-0	)40 to -229 and SP110	)8-007 to -161) +
<mark>15</mark> °C (SP1107-022)		
Pressure Roller Temp = xxx°C (SP1105	-040 to -229 and SP11	08-007 to -161) +
40°C (Fixed)		
• Normal temp. condition 1: 10°C < Mach	lne temp < $23^{\circ}$ C	0.007 + 0.01
Heating Roller Temp = $XXX^{\circ}C$ (SPT105-C	140 to -229 and SP110	18-007 to -161) +
15°C (SP 1107-022) Dressure Poller Temp - xxx°C (SP1105	040 to 220 and SP11	108 007 to 161) +
$40^{\circ}$ C (Fixed)	-040 to -229 and SF T	100-007 (0 - 101)
■ Normal temp_condition 2: 23°C < Mach	ine Temn < 32°C	
Heating Roller Temp = xxx°C (SP1105-(	)40 to -229 and SP110	)8-007 to -161) +
15°C (SP1107-022)		
Pressure Roller Temp] = xxx°C (SP110	5-040 to -229 and SP1	108-007 to -161) +
40°C (Fixed)		,
High temp. condition: 32°C < Machine T	emp	
Heating Roller Temp = xxx°C (SP1105-0	)40 to -229 and SP110	)8-007 to -161) –
5°C (SP1107-023)		
Pressure Roller Temp = xxx°C (SP1105	-040 to -229 and SP1	108-007 to -161) +
40°C (Fixed)		
7. Extended Idle Rotation after Job End	4	
I arget temperature for each roller is decided b	y the same manner as	3 Ready/ Stand-by.
8. Stand-by Low Temp. Mode	v the fellowing to see	
arget temperature for each roller is decided b	y the following temper	alures.
- Low temp. condition: Machine Temp < 5 Heating Pollor Tomp - 19590 (SP1105 /	122)	
The autily Koller Terrip = $185^{\circ}$ C (SP1105-	J <u>J</u> Z)	

Pressure Roller Temp = 135°C (SP1108-106)

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- Normal temp. condition: SP1107-018 < Machine Temp < SP1107-019 Heating Roller Temp = 175°C (SP1105-031) Pressure Roller Temp = 125°C (SP1108-105)
- High temp. condition: SP1107-019 < Machine Temp Heating Roller Temp = 175°C (SP1105-033) Pressure Roller Temp = 125°C (SP1108-107)

### 9. Low Power Mode

Target Temperature for Heating Roller = 110°C (SP1202-001) Pressure Temperature for Pressure Roller = 110°C (SP1202-002) No power to the fusing motor.

Pressure roller kept away from the fusing belt.

### 10. Sleep Mode

No power to the fusing lamps for heating roller and pressure roller, and fusing motor. Pressure roller kept away from the fusing belt.

TITLE: Uncoated Paper					
Danor Typo	Mode	Heat	ing R	Pressure R	
гарег туре	Mode	NA	EU	NA	EU
Normal	B/W	175°C	180°C	120°C	120°C
normai	FC	175°C	180°C	120°C	120°C
Thin	B/W	160°C	165°C	120°C	120°C
	FC	160°C	165°C	120°C	120°C
Middle Thick	B/W	175°C	175°C	Off	Off
	FC	175°C	175°C	Off	Off
Thick 1	B/W	185°C	185°C	Off	Off
	FC	185°C	185°C	Off	Off
Thick 2	B/W	190°C	190°C	Off	Off
	FC	190°C	190°C	Off	Off
		195°C/ Off	195°C/ Off		
Thick 3	B/W	(Duplex	(Duplex	Off	Off
		mode)	mode)		
		195°C/ Off	195°C/ Off		
	FC	(Duplex	(Duplex	Off	Off
		mode)	mode)		

Target Temperature for Paper Type

#### **TITLE**: Coated Paper 1

Danar Tyna	Modo	Heat	ing R	Pressure R	
raper type	Wode	NA	EU	NA	EU
Normal	B/W	175°C	175°C	120°C	120°C
Normai	FC	175°C	175°C	120°C	120°C
Thin	B/W	165°C	165°C	120°C	120°C
	FC	165°C	165°C	120°C	120°C
Middle Thiek	B/W	180°C	185°C	Off	Off
	FC	180°C	185°C	Off	Off
Thiak 1	B/W	180°C	195°C	Off	Off
	FC	180°C	195°C	Off	Off

RICOH

Model: Aegis-P1 / C1			Date: 8-	Date: 8-May-09		No.: RG178050	
	Mada	Heat	Heating R		sure R	ure R	
гарег туре	wode	NA	EU	NA			
Thick 2	B/W	190°C	190°C	Off	Off		
	FC	190°C	190°C	Off	Off		
		195°C/ Off	200°C/ Off				
	B/W	(Duplex	(Duplex	Off	Off		
Thick 3		mode)	mode)				
		195°C/ Off	200°C/Off				
	FC	(Duplex	(Duplex	Off	Off		
		mode)	mode)				

## Technical Bulletin

#### PAGE: 1/10

Model: Aegis-P1 / C1			Dat	e: 8-May-0	)9	No.: RG178051
Subject: Manual Corrections				Prepared	d by: N.iid	da
From: PPBG QA/	Service Planning Dept.					
Classification:	Troubleshooting	Part info	orma	tion	Action	n required
	Mechanical	Electric	al		Servic	e manual revision
	Paper path	🗌 Transm	it/rec	eive	Retrof	fit information
	Product Safety	Other (		)	Tier 2	

The service manual for the AG-C1 (D016) has been corrected in order to be updated and be used for both the copier model (D016) and the printer model (G178).

- Add the following new or revised information which is printed in red text.
- On pages from 1589 to 1591

## Mainframe

Engine

Items		Specification	
Configuration		Console	
Copy Process		4-drum dry electrostatic transfer system with	
		internal transfer belt	
Fusing		Oil belt-fusing method	
_		(Fusing oil is required.)	
Engine Speed	FC	90 ppm A4/LT(LEF)	
	BK	90 ppm A4/LT(LEF)	
Warm-up Time		Printer (G178):	
		Less than 360 s (23C°, rated voltage)	
		Copier (D016):	
		Less than 420 s (23C°, rated voltage)	
First Print Time		Printer (G178):	
		FC: Less than 10.0 sec	
		BW: Less than 10.0 sec	
		Copier (D016):	
		FC: Less than 13.5 sec	
		BW: Less than 13.5 sec	
		(A4/LT(LEF), Tray 1 or Op. LCT upper tray	
		Face-up)	
Multiple print		Up to 9,999	
Resolution		1,200 dpi, 2-bit	
Limitless Paper Supply		Supported	
Paper Size		Please refer to "Paper size matrix".	
Maximum Printable Area		320 mm x 480 mm / 12.6" x 18.9"	

# Technical Bulletin

PAGE: 2/10

Model: Aegis-P1 / C1				Date: 8-May-09	No.: RG178051		
Paper weight	1st t	ray	60-220g/m <sup>2</sup>				
				16-58 lb Bond/ 80 lb Cover/ 120 lb Index			
	2nd	tray	60-220g/m <sup>2</sup>				
		-	16-58 lb Bond/ 80 lb Cover/ 120 lb Index				
	3rd t	ray	60 - 300 g/m <sup>2</sup>				
	(D01	6 only)	16 - 79 lb B	ond/ 140 lb Index/ 10	0 lb Cover		
	4th t	ray	60 - 300 g/n	n <sup>2</sup>			
	(D01	6 only)	16 - 79 lb B	ond/ 140 lb Index/ 10	0 lb Cover		
	Dupl	ex	60-220g/m <sup>2</sup>				
			16-58 lb Bo	nd/ 80 lb Cover/ 120			
Paper weight setting			Thin (60-75)	g/m²), Normal (76-10	$0 \text{ g/m}^2$ ), Medium		
			Thick (101-1	$126 \text{ g/m}^{-}$ ), $1 \text{ nick} 1 (12 \text{ g/m}^{2})$	$(7 \text{ g/m}^{-156} \text{ g/m}^{-}),$		
Power Specification		ΝΛ	208V 240V	$\frac{g}{11} - 220 g$ /11 ), 1110	<u>x3 (221-300 g/m)</u>		
		FU	220/230/2400,	<u>277, 30/0012</u> )\/ 25Δ 50/60Η7			
Max Power			Printing: Le	ss than 5 500W			
Consumption			Stand-by: L	ess than 3 200W			
Concamption			Full System				
			<ul> <li>Finisher</li> </ul>	SR5000			
			<ul> <li>Booklet Finisher BK5000</li> </ul>				
				<ul> <li>Z-folding Unit ZF4000</li> </ul>			
			<ul> <li>Cover Interposer Tray CI5010</li> </ul>				
			<ul> <li>LCIT RT5020</li> </ul>				
			Multi-Bypass Tray BY5000				
Noise emission:			Stand-by: Less than 60 dB (A)				
Sound power level			Printing: Less than 76 dB (A)				
			Sound power level is actual values measured in				
			accordance with ISO 7779.				
Dimension (W x D x	H)		Printer (G1	<b>78</b> ):			
	''		1.250 x 1.10	)0 x 1.440 mm			
			(49.3" × 43.	3" × 56.7")			
			Copier (D016):				
			2,390 × 1,250 × 1,450 mm				
			(94.1" × 49.3" × 57.0")				
Weight			Printer (G1	78):			
			Approx. 700	) kg, 1653.5 lb. (Inclu	ding Fiery)		
			Copier (D016):				
			Approx. 950 kg, 2094.4 lb (Including Fiery)				
ARDF			Printer (G1	<b>(8):</b> Not available			
Paper Canacity	0+	andard	1et trave 1.0	101. Stariuaru 00. shoote v 2 (Tanda			
raper capacity	31	anuaru	2nd tray: 1,0	00 SHEELS X Z (I dHUE	лн <i>ј</i>		
			3rd tray (DO	16 only): 2 000 chee	ts		
			13"x10 2" 1	CT	13		
			4th tray (D0		ts		
13"x19 2"   CT							
	1			<b>~</b> ·			

# Technical Bulletin

PAGE: 3/10

Model: Aegis-P1 / C1		Date: 8-May-09	No.: RG178051		
Paper selection with A4 LCT	Auto Paper	Selection			
(G178 only)	Tray 1, Tray 2				
	Tray 3, Tray	/ 4, Tray 5			
	A4 LCT opti	on is required.			
Paper selection with A3 LCT	Auto Paper	Selection			
	Tray 1, Tray	/ 2			
	Tray 3, Tray	/ 4			
	Standard	for Copier (D016)			
	<ul> <li>A3 LCT</li> </ul>	option is required for	Printer (G178).		
	Tray 5, Tray	<i>i</i> 6			
	<ul> <li>A3 LCT</li> </ul>	option is required for	Copier (D016).		
	<ul> <li>By-pass</li> </ul>	option or Two A3 LC	T options are		
	required	for Printer (G178).			
	Tray /	antion and A21 CT a	ntion are required		
	<ul> <li>By-pass for Conid</li> </ul>	option and A3 LCT 0	puon are required		
	<ul> <li>By-nass</li> </ul>	ontion and Two A3 L	CT options are		
	required	for Printer (G178).			
Displayed Paper Types	Plain Paper	*, Recycle Paper, Sp	ecial Paper, Color		
	Paper 1, Co	lor Paper 2,			
	Color (9 kin	ds; Yellow, Green, Bl	ue, Purple, Ivory,		
	Orange, Pin	k, Red, Gray),			
	Envelope, C	Coat 1, Coat 2, Coat 3	3,		
	Preprinted p	paper, Letter Head, B	acked Copied,		
	Labels, Pre-	-punched Paper,			
	Special Pap	er 1, Special Paper 2	) ,		
	Special Pap	er 3, Special Paper 4	,		
	Special Pap	er 5, Special Paper 6	), dium thick. Thick		
	1 Thick 2 1	block, THIII, FIdill, ME			
	*Not display	red as naner type			
Electronic Sorting	Supported (	with Finisher)			
Stapling	Supported	4 positions (with Finis	sher)		
Punch	NA: 2/3 swit	chable hole punch (v	vith Finisher)		
	EU: 2/4 swit	chable hole punch (v	vith Finisher)		
	Scandinavia	an: 4 holes punch (wit	th Finisher)		

## Technical Bulletin

Model: Aegis-P1 / C1

Date: 8-May-09

No.: RG178051

• On page 1591

Copier (D016 only)

• On page 1597

ARDF (D016 only)

• On page 1600

Scanner Specifications (D016 only)

• On page 1610

Trays 3 and 4 (LCT-MF: D016 only)

• On pages from 1611 to 1614

## Peripherals

### For Printer (G178) and Copier (D016)

		A3/DLT LC	T (2000 x2)	Bypas	ss (500)
Paper	Size	NA	EU	NA	EÜ
A3 SEF	297x420	AD		AD	AD
B4 SEF	257x364	AD		AD	AD
A4 LEF	297x210	AD	А	AD	AD
A4 SEF	210x297	AD		#S	AD
B5 LEF	257x182	AD	SPS	AD	AD
B5 SEF	182x257	#S		#S	#S
A5 SEF	148x210	AD	SPS	AD	AD
DLT SEF	8.5"x11"	AD		AD	AD
LG SEF	8.5"x14"	#S		#S	#S
LT LEF	11"x8.5"	AD	SPS	AD	AD
LT SEF	8.5"x11"	#S		AD	#S
HLT SEF	5.5"x8.5"	AD	SPS	AD	AD
Foolscap SEF	8.5"x13"	#S		#S	#S
Folio SEF	8.25"x13"	#S		#S	#S
F SEF	8"x13"	AD		AD	AD
Executive LEF	10.5"x7.25"	#S		#S	#S

# Technical Bulletin

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Model: Aegis-P1 / C1			Date: 8-May-09	No.: I	RG178051
		A3/DLT LC	CT (2000 x2)	Bypas	ss (500)
Executive SEF	7.25"x10.5	#S		#S	#S
- SEF	11"x15"	#S		#S	#S
- SEF	11"x14"	#S		#S	#S
- SEF	10"x15"	#S		#S	#S
- SEF	10"x14"	#S		#S	#S
- SEF	8.25"x14"	#S		#S	#S
- SEF	10.5"x8"	#AU		#AU	#AU
- SEF	8"x10.5"	#AU		#AU	#AU
- SEF	10"x8"	#AU		#AU	#AU
- SEF	8"x10"	#S		#S	#S
- SEF	13"x19.2"	#AU		#AU	#AU
- SEF	13"x18"	#AU		#AU	#AU
SRA3 SEF	320x450	#S		#S	#S
- SEF	12"x18"	AD		AD	AD
Custom size mm	Min.	139.	7 #AU	139.	7 #AU
Width	Max.	330.	2 #AU	330.2 #AU	
Length	Min.	182.	0 #AU	182.0 #AU	
Lengin	Max.	487.	487.7 #AU		7 #AU
Custom size	Min.	5.5	#AU	5.5	#AU
Inch Width	Max.	13.0	) #AU	13.0	) #AU
Length	Min.	7.17	′ #AU	7.17	7 #AU
Lengin	Max.	19.2	2 #AU	19.2	2 #AU

Remarks

SEF	Short Edge Feed
LEF	Long Edge Feed
А	Paper size to be set in Unit
S	Paper size to be set by SP mode
AD	Paper size to be detected automatically. Paper size can be
	selected by UP mode/ Select paper size from the list on OP panel.
#AD	Paper size to be detected automatically.
#S	Paper size setting is required by UP mode/ Select paper size from
	the list on OP panel.
SPS	Paper size setting is required by SP mode/ Select paper size from
	the list on OP panel
#AU	Paper size setting is required by UP mode/ Input actual paper size
	manually on OP panel
#AS	Paper size setting is required by SP mode/ Input actual paper size
	(mm only) manually on OP panel
	Not supported

Model: Aegis-P1 / C1

Date: 8-May-09

No.: RG178051

## For Printer (G178 only)

		A4/LT LCT			
		1,000 x 2	2,5	00	
Paper	Size (mm)	NA/EU	NA	EU	
A3 SEF	297x420			AD	
B4 SEF	257x364			AD	
A4 LEF	297x210	#AD	SPS	AD	
A4 SEF	210x297			#S	
B5 LEF	257x182	#AD	SPS	AD	
B5 SEF	182x257			#S	
A5 SEF	148x210	#AD	SPS	AD	
DLT SEF	8.5"x11"			AD	
LG SEF	8.5"x14"			#S	
LTLEF	11"x8.5"	#AD	Α	AD	
LT SEF	8.5"x11"			AD	
HLT SEF	5.5"x8.5"	#AD	SPS	AD	
Foolscap SEF	8.5"x13"			#S	
Folio SEF	8.25"x13"			#S	
FSEF	8"x13"			AD	
Executive LEF	10.5"x7.25"			#S	
Executive SEF	7.25"x10.5			#S	
- SEF	11"x15"			#S	
- SEF	11"x14"			#S	
- SEF	10"x15"			#S	
- SEF	10"x14"			#S	
- SEF	8.25"x14"			#S	
- SEF	10.5"x8"			#AU	
- SEF	8"x10.5"			#AU	
- SEF	10"x8"			#AU	
- SEF	8"x10"			#S	
- SEF	13"x19.2"			#AU	
- SEF	13"x18"			#AU	
SRA3 SEF	320x450			#S	
- SEF	12"x18"			AD	
Custom size Mm Width	Min.	2	210.0 #AS		
	Max.	3	05.5 #AS		
Length	Min.	182.0 #AS			
Lengui	Max.	2	30.0 #AS		
Custom size Inch Width	Min.		#AS		
	Max.	#AS			
Length	Min.	#AS			
Longui	Max.		#AS		

Model: Aegis-P1 / C1

Date: 8-May-09

No.: RG178051

	<b>~~</b>	00	6
RF	-11		KS

ILEIIIAINS	
SEF	Short Edge Feed
LEF	Long Edge Feed
А	Paper size to be set in Unit
S	Paper size to be set by SP mode
AD	Paper size to be detected automatically. Paper size can be
	selected by UP mode/ Select paper size from the list on OP panel.
#AD	Paper size to be detected automatically.
#S	Paper size setting is required by UP mode/ Select paper size from the list on OP panel.
SPS	Paper size setting is required by SP mode/ Select paper size from the list on OP panel
#AU	Paper size setting is required by UP mode/ Input actual paper size manually on OP panel
#AS	Paper size setting is required by SP mode/ Input actual paper size (mm only) manually on OP panel
	Not supported

### On pages from 1615 to 1616

## Printer G178



# Technical Bulletin

## PAGE: 8/10

Model: Aegis-P1 / C1			Date: 8-May-09	No.: RG178051
No.	Item	Machine Code	Comment	S
6	LCIT RT5000	B832	Common with B-C3 B832 or D355	5
7	Multi-Bypass Tray BY5000	B833	Common with B-C3 Alternate paper fee	d source
8	Buffer Pass Unit	M379	New option	
9	Cover Interposer Tray CI5010	B835	Common with B-C3 Inserts cover sheet	5.5 s (2 trays).
10	Z-Folding Unit	B660	Common with B-C3 Z-Folds large sheet	is
11	Booklet Finisher BK5000	B836	Common with B-C3 Booklet stapling/fol	s ding
12	Finisher SR5000	B830	Common with B-C3 Corner stapling, ed stapling	ge
13	- Punch Unit PU5000	B831	Common with B-C3 Child option for Fini	s isher B830



			d016v010a
No.	Item	Machine Code	Comments
1	High Capacity Stacker SK5000	D364	Two stackers can be installed.
2	Ring Binder RB5000	D392	Common with B-C3.5 (K-C1)

Model: Aegis-P1 / C1

Date: 8-May-09

No.: RG178051

## Copier D016



2		D016	built into this LCT.
3	- Bridge Unit BU5000	D379	Child option for use when installing an optional LCT
4	Multi-Bypass Tray BY5000	B833	Common with B-C3 Alternate paper feed source
5	LCIT RT5020	D355	Unique B832 or D355
6	Buffer Pass Unit	M379	New option
7	Cover Interposer Tray CI5010	B835	Common with B-C3.5 Inserts cover sheets (2 trays).
8	Z-Folding Unit	B660	Common with B-C3 Z-Folds large sheets
9	Booklet Finisher BK5000	B836	Common with B-C3 Booklet stapling/folding
10	Finisher SR5000	B830	Common with B-C3 Corner stapling, edge stapling
11	- Punch Unit PU5000	B831	Common with B-C3 Child option for Finisher B830
12	- Tab Sheet Holder Type 3260	B499	Common with B-C3
13	- A3/11"x17" Tray Unit TK5000	B331	Common with B-C3



No.: RG178051

Model: Aegis-P1 / C1



No.	Item	Machine Code	Comments
1	High Capacity Stacker SK5000	D364	Two stackers can be installed.
2	Ring Binder RB5000	D392	Common with B-C3.5 (K-C1)

## • On page 1625

New option has been added to the printer (G178) and copier (D016).

## Buffer Pass Unit (M379)

Dimensions (W x H x D)	330 x 920 x 730 mm, 13.0" x 36.2" x 28.7"
Weight	Less than 92 kg, 202.9 lb.
Power consumption	Less than 200 W
Power source	NA: 100 to 120 V, 50/60 Hz, 3 A
	EU: 220 to 240 V, 50/60 Hz, 1 A
Paper Size	331 x 488 mm to A5
	13" × 19.2" to 5 <sub>1/2</sub> x 8 <sub>1/2</sub>
Paper Weight	52 to 300 g/m <sup>2</sup> , 14 to 80 lb.



## Reissued: 12-Jan-11

	_	
Model: AG-C1	Date: 22-Jun-09	No.: RD016012a

### RTB Reissue

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

Subject: Firmware Release Note: System/Copy FRA		Prepared by: H.kawamura	
From: PPBG Ser	vice 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 firmware release information for the **System/Copy**.

#### Note

This firmware is used in French speaking countries only.

Please install this firmware when machine installing in French.

Version	Program No.	Effective Date	Availability of RFU
1.05FRN	D0166088A	December 2010 production	Not available
1.03FRA	D0166088	May 2009 production	Not 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.

Version	Modified Points or Symptom Corrected
1.05FRN	Modified Points:
	Modified PM counter for "Filter: Oil Tank"
	The machine can now saddle stitch custom size paper by using Plocmatic
	New SPs have been added
	SP-7941-128: Drive Distance: Near End Standard Value: Filter: Oil tank
	SP7-953-128: Page Counter: Near End Standard Value: Filter: Oil tank
	The 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 shift at end of job.
	SC 86x appears after turning on a machine.
	Scanning pages with different paper sizes, machine stays at
	"scanning mode"
	Punch unit could not be detected.
	Operation touch panel could not recover from black screen
	Apply Condition
	Apply conultion This software people to be undated with following software
	This software needs to be updated with following software.



## Reissued: 12-Jan-11

Model: AG	del: AG-C1			un-09	No.: RD016012a
Version	Modif	ied Points or S	ymptom Co	rrected	
		Aegis	s C1		
		Programme	number	Versi	on
	Engine	D0165252M		3.008	:12
	System/ Copy	D0166091E		1.05	
	System/ Copy	D0166088A		1.05	
	(For French, instead				
	of the above system,				
	please use this one)				
	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 L	_t C1		
		Programme n	umber	Version	
	Engine	D0975252D		1.006:12	
	System/ Copy	D0976091A		1.05	
	System/ Copy	D0976092		1.05	
	(For French,				
	instead of the above				
	system, please				
	use this one)				
	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	
1.03FRA	This is the French-language water and the sure that ALL	version of System	version1.03 ( below are up	D0166091C	c). urrently.
	Program Name	Program No.		Version	
	System	D0166088		1.03FRA	
	WebUapl	D0166095B		1.09	
	Engine	D0165252B		2.000:12	
	LCDC	NA:G1785975E	3	1.04	
	Scanner	D0166097A		1.03	
	Language	G1785980		1.01	
	web Support	D0166093A		1.00	
	Network Support (NCS)	D0166092A		/.03	
	Network DocBox(NFA)	D0166096A		1.01	
	+ Update to the following yes	-	for all parish	<u>J.U</u>	bolow
	opulate to the following ver	sions is required	ior an peripr	ierais listeu	



## Reissued: 12-Jan-11

Model: AG-C1			Date: 22-Jun-09 No.: RD016012			1
Version	n Modified Points or Symptom Corrected					
	Program Name	Program No.		Version		
	SR5000 Finisher	B8305102M		1.60		
	Cover Interposer Tray CI5010	B8355510E		02.070		
	Ring Binder RB5000	Main:D392551( Sub :D3925520	)D   B ;	Main:1.280 Sub :1.050:	:04 :01	
	High Capacity Stacker SK5000	1st:D3645620_ 2nd:D3645620_	P1 · P2 ·	4.02:12		
	Booklet Finisher BK5000	B8365550B	1	2.17		
	Note		<u> </u>			
	<ul> <li>* Peripherals must be updated ONE at a time, starting from the machines closest to the mainframe. Do NOT attempt to select and update multiple Firmware at once.</li> <li>* For the Ring Binder RB5000, Main and Sub shall be updated together.</li> </ul>					

## Technical Bulletin

PAGE: 1/1

Model: Aegis-C1 Date			te: 30-Jun-09 No.: RD01601			
Subject: Troubleshooting for ADF Jam (D016)			Prepare	d by: N.ii	da	
From: PPBG QA/Service Planning Dept.						
Classification:	☐ Troubleshooting	Part inf	orma	tion	Action	n required
	Mechanical	Electric	al		Servic	ce manual revision
	Paper path	Transm	it/rec	eive	Retro	fit information
	Product Safety	Other (		)	🗌 Tier 2	

## SYMPTOM

Original feed jam occurs when custom size originals (220 mm to 240 mm) are fed from the ADF.

## CAUSE

The custom size original fed from the ADF catches up with the previously fed original, and then the original is stuck at the exposure glass.

## SOLUTION



Change the setting of "Special Original ..." to "Mixed Sizes".

- 1. Press the "Special Original ..." button [A] on the LCD.
- 2. Select "Mixed Sizes", and then press the "OK" button.

## Technical Bulletin

Model: AG-C1 (D016)			Dat	e: 13-Jul-0	)9	No.: RD016014
Subject: Manual Corrections for AG-C1				Prepareo	d by: N.iid	da
From: PPBG QA/						
Classification:	Troubleshooting	Part info	orma	tion	Action	required
	Mechanical	Electric	al		Servic	e manual revision
	Paper path	🗌 Transm	it/rec	eive	Retrof	fit information
	Product Safety	Other (		)	🛛 Tier 2	

The service manual for the AG-C1 has been corrected in order to be updated for the new peripheral "Perfect Binder GB5000 (D391)".

- "Side View with Perfect Binder GB5000 (D391)" has been added to "Dimensions". ("1. Installation" > "Installation Requirements" "Dimensions")
- "Printer G178 with Perfect Binder GB5000 (D391)" and "Copier D016 with Perfect Binder GB5000 (D391)" have been added to "Overview of Optional Peripherals". ("1. Installation" > "Before You Begin..." > "Overview of Optional Peripherals")
- "Perfect Binder (D391) Installation" has been added to the chapter "1. Installation".
- Specifications of the "Perfect Binder D391" have been added to the chapter "Option Specifications". ("7. Specifications" > "Option Specifications")



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Model: AG-C1

Date: 03-Aug-09

No.: RD016015

Subject: Firmware Release Note: BufferPassUnit			Prepared by: N. lida	
From: PPBG QA/Service Planning Dept.				
Classification:	Troubleshooting	Part information	tion	Action required
	Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Product Safety	🛛 Other (	)	Tier 2

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

Version	Program No.	Effective Date
01.000:03	M3791702A	1st Mass production

Version	Modified Points or Symptom Corrected			
01.000:03	1st Mass production			
	The limitations listed below are resolved by upgrading the Buffer Pass Unit to "V1.000:03". Object units are April and May production. In order to upgrade the object units to "V1.000:03", System and Engine fimwares must be versions listed below or later. System D0166091D V1.04 or later Engine D0165252D V3.000:12 or later			
	Limitations Resolved			
	1. All SCs involving the Buffer Pass unit are indicated as SC992 (Undefined			
	2. When the front door of the Buffer Pass unit is open, the operation panel indicates an open door of the mainframe, and the LED of the Buffer Pass			
	3. Jam in the Buffer Pass unit is indicated on the operation panel as a jam occurrence at the paper exit of the mainframe, and the LED of the Buffer Pass unit is lit			
	4. Firmware cannot be upgraded with the SD card.			
	Object Serial Number			
	8M37917(NA) S67T0400001 to S67T0400005			
	S6710500001 to S6710500004			
	8M37927(EU/AP) S67T0400006, S67T0500005 to S67T0500011			
	In Regard to April & May Production Buffer Pass Units			
	1. Upon initial installation, upgrade the entire System to V 4.0(*1), then upgrade the Buffer Pass unit to "V1.000:03".			
	2. If the Buffer Pass unit is to be installed to a System that runs on V4.0(*1), upgrade the unit to "V1.000:03".			
	3. If an individually supported Engine firmware is applied, we recommend to			

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Model: AG-C1		C	Date: 03-Aug-09	No.: RD016015	
Version	Modifie	ed Points or S	ymptom Corrected	d	
	upgrade the entire Syste	em to V4.0(*1),	, then upgrading the	e Buffer Pass	
	Unit to "V1.000:03".				
	NOTE				
	NOTE " $1000.03$ " is installed for	or lune 2000 n	roduction Buffer Pa	es unite	
	(S6790600001 onward)	f the unit is to l	be installed with the	Aegis-C1 the	
	System and Engine fimrwa	ares must be th	ne versions listed be	elow or later.	
	System D0166091D V1.04 or later				
	ngine D0165252D V3.000:12 or later				
	Following describes the latest firmware combinations.				
	Please refer to <annendia< td=""><td>x 1&gt; for undate</td><td>nrocedures</td><td></td></annendia<>	x 1> for undate	nrocedures		
	Make sure to follow the p	rocedures whe	en updating.		
			<b>J</b>		
	[Version 4.0(*1)]				
	*Please make sure that ALI	L versions listed	below are updated	concurrently.	
	Program Name	Program No.	Versi	ion	
	System	D0166007D	1.04		
	WebSupport	D0166097B	1.05		
	WebLAnl	D0166095C	1.03		
	Network Support(NCS)	D0166092B	7.04	1	
	Network DocBox(NFA)	D0166096B	1.03		
	Engine	D0165252D	3.000	):12	
	LCDC	NA:G178597	5C 1.06		
		EU : G17859	76C		
	Animation	D0166094A	1.6		
	Language	G1785980A	1.06		
	Fiery Server	-	4.0		
			·		
	* Update to the following ve	ersions is require	ed for all peripherals	listed below.	
		Program No.	Vers	sion	
	CI5010	B8355510F	V2.0	071:42	
	SR5000	B8305102P	V1.8	320:59	
	RB5000	Main : D392	5510E V1.2	290:04	
	005000	Sub: D39255	520C V1.0	160:01	
	GB5000	D20450000			
	P-BINGELB1	D3915020C	V0.2	0	
	P-DITUEI_D2	D3915070B	V0.1	3	
	P-Binder B4	D3915120R	V0.1	5	
	P-Binder B5	D3915170A		25	
	BK5000	B8365550B	V0.2	7:15	
	SK5000			····•	
	1 <sup>st</sup> stacker D3645620 P1 V4.02:12				
	2 <sup>nd</sup> stacker	D3645620 P	2		
	Buffer Pass Unit	M3791702A	V1.0	00:03	
	Туре 5000				
	Note				



Model: AG-C1		Date: 03-Aug-09	No.: RD016015
Version	Modified Points or	Symptom Corrected	
	<ul> <li>Make sure to update the periphera frame.</li> <li>Do not update consecutively by see</li> <li>For GB5000, 5 boards can be upd</li> <li>For RB5000, 2 boards can be upd</li> </ul>	als in order of proximity electing several periphe lated consecutively. ated consecutively.	to the main rals.

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Date: 03-Aug-09

No.: RD016015

### <Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware.

NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



(\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.

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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card...

For Aegis-C1

Program name	Program No.	Version		
System/Copy	D0166091D	V1.04		
Scanner	D0166097B	V1.05		
WebSys	D0166093B	V1.03		
WebUApl	D0166095C	V1.12		
NCS	D0166092B	V7.04.1		
NFA	D0166096B	V1.03		

#### For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

Model: AG-C
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Date: 03-Aug-09

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### 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	E0.G1785976C	

#### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C	V1.03
	EU:G1785972C	

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

<u> </u>		
Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version
Animation	G1786094B	V2.2

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

<u> </u>		
Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version
Language	G1785979A	V1.03

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.

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Model: AG-C1	Date: 03-Aug-09	No.: RD016015

5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

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Model: AG-C1			Dat	te:03-Aug	J-09	No.: RD016016
Subject: Firmware Release Note: Animation			Prepare	d by: N.li	da	
From: PPBG QA/Service Planning Dept.						
Classification:	Troubleshooting	Part info	orma	tion	Action	n required
	Mechanical	Electric	al		Servic	ce manual revision
	Paper path	🗌 Transm	it/rec	eive	Retro	fit information
	Product Safety	🛛 Other (		)	Tier 2	

This RTB has been issued to announce the firmware release information on the **Animation**.

Version	Program No.	Effective Date
1.6	D0166094A	August 2009 production.

Version	Modified Points or Symptoms Adjusted		
1.6	1. Animation graphics for and Fuser Knob have be	Buffer Pass Unit Type 5000 een newly added.	), Perfect Binder GB5000,
	Please refer to <appendix Make sure to follow the pr</appendix 	<ul> <li>1&gt; for update procedures.</li> <li>rocedures when updating.</li> </ul>	
	*Please make sure that Al	L versions listed below are	e updated concurrently.
	Program Name	Program No.	Version
	System	D0166091D	1.04
	Scanner	D0166097B	1.05
	WebSupport	D0166093B	1.03
	WebUApI	D0166095C	1.12
	Network Support (NCS)	D0166092B	7.04.1
	Network DocBox (NFA)	D0166096B	1.03
	Engine	D0165252D	3.000:12
	LCDC	NA:G1785975C	1.06
		EU : G1785976C	
	Animation	D0166094A	1.6
	Language	G1785980A	1.06
	Fiery Server	-	4.0
	* Undete te the fellowing .	reveloped in very ived for all	
	• Opdate to the following v	Program No	Version
	CI5010		
		B0300010F	V2.071:42
	SR5000	B8305102P	V1.820:59
	RB5000	Main : D3925510E	V1.290:04
		Sub: D3925520C	V1.060:01
	GB5000		
	P-Binder_B1	D3915020C	V0.28
	P-Binder_B2	D3915070B	V0.19
	P-Binder_B3	D3915730A	V0.13
	P-Binder_B4	D3915120B	V0.15



Model: AG	odel: AG-C1 Date:03-Aug-09 N		No.: RD016016	
Version	Modi	fied Points or S	ymptoms Adjusted	
	P-Binder_B5	D3915170A	V0.25	
	BK5000	B8365550B	V2.17:15	
	SK5000		1/4 02:42	
	2 <sup>nd</sup> stacker	D3645620_P1	V4.02:12	
	Buffer Pass Unit Type 5000	M3791702A	V1.000:03	}
	<ul> <li>Note</li> <li>Make sure to update the peripherals in order of proximity to the main frame.</li> <li>Do not update consecutively by selecting several peripherals.</li> <li>For GB5000, 5 boards can be updated consecutively.</li> <li>For RB5000, 2 boards can be updated consecutively.</li> </ul>			

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Date:03-Aug-09

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### <Appendix 1>

Please ensure to follow the procedures for the update.

The firmware of GW controller needs to be updated at a time.

Make sure to update in the order since there is the order also for the other firmware.

NOTE:

- Do not do remote-update.
- If the currently-operated Fiery Server is updated from "Vx.x" to "V4.0", the HDD will be formatted, all the stored data will be deleted, and the various settings will return to the default since the system is reinstalled. Be sure to back-up the setting information, the imported data, the fonts, the customized profiles, etc., beforehand.
- When updating the Aegies-P1, please ensure to confirm the Engine Firmware version. If the version is 1.100:10 or 1.103:11, update to V1.108:11 will be required. When a direct update to the latest version is attempted from either Version1.100:10 or 1.103:11, WatchDogTimeOut ERROR(\*1) could occur resulting in a non-functioning of the operation panel, and the machine will stop. As replacement of the BCU board will be required to resolve this error, please ensure to follow this correct procedure.

NOTE: This problem will not occur with the Aegis-C1.



(\*1) WatchDogTimeOut ERROR

While the software timer resets the hardware timer in a certain interval, WatchDogTimeOut error occurs when this reset is not executed after a lapse of time specified and the hardware timer reaching a time-out state. This problem has been confirmed with versions 1.100:10 and 1.103:11 and has been resolved from 1.108:11. Hence firmware is updated in the particular order mentioned in above.

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[Advance Preparation]

- Turn the power switch of Fiery Server off or unplug the power cable when updating since you will turn the main power off/on repeatedly.
- Unplug the LAN cable of the GW controller.
- Unplug the data cable of the peripheral just under the main frame not to operate during updating.

### 1. Firmware of GW controller Update

1-1. Copy the listed firmware below to the SD card...

For Aegis-C1

Program name	Program No.	Version
System/Copy	D0166091D	V1.04
Scanner	D0166097B	V1.05
WebSys	D0166093B	V1.03
WebUApl	D0166095C	V1.12
NCS	D0166092B	V7.04.1
NFA	D0166096B	V1.03

#### For Aegis-P1

Program name	Program No.	Version
System/Copy	G1786091G	V2.05
WebSys	G1786093E	V1.53
NCS	G1786092D	V7.04

1-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

1-3. Turn the main power on, select all after the selection screen is displayed, and update.

NOTE: For Aegis-C1, be sure to select till the next page.

1-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

### 2. Engine firmware Update

2-1. Copy the Engine firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Engine	D0165252D	V3.000:12

For Aegis-P1

Program name	Program No.	Version
Engine	G1785252G	V3.000:12

2-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

2-3. Turn the main power on, select "Engine firmware" after the selection screen is displayed, and update.

2-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

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### 3. OpePanel Update

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
LCDC	NA:G1785975C	V1.06
	EU:G1785976C	

#### For Aegis-P1

Program name	Program No.	Version
LCDC	NA:G1785971C	V1.03
	EU:G1785972C	

3-1. Copy the OpePanel firmware to "romdata" of the SD card.

3-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

3-3. Turn the main power on, select "LCDC firmware" after the selection screen is displayed, and update.

3-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 4. Animation Update

4-1. Copy the Animation firmware to "romdata" of the SD card.

For Aegis-C1

Program name	Program No.	Version
Animation	D0166094A	V1.6

For Aegis-P1

Program name	Program No.	Version
Animation	G1786094B	V2.2

4-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

4-3. Turn the main power on, select "Animation firmware" after the selection screen is displayed, and update.

4-4. Turn off the main power and remove the SD card from the slot when the update is completed. NOTE: Go to the next step with the main power off.

#### 5. Language Update

5-1. Copy the Language firmware to "romdata" of the SD card.

For Aegis-C1

<u> </u>		
Program name	Program No.	Version
Language	G1785980A	V1.06

For Aegis-P1

Program name	Program No.	Version		
Language	G1785979A	V1.03		

5-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

5-3. Turn the main power on, select "Language firmware" after the selection screen is displayed, and update.

NOTE: Update by overwriting though the displayed versions of "ROM" and "NEW" might be the same since Opepanel has already been updated.



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5-4. Turn off the main power and remove the SD card from the slot when the update is completed. 5-5. Turn on the main power and enter SP mode after "No Connection…" is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version". Turn off the main power and update the peripheral after confirming the version.

### 6. Peripheral Update

[Advance Preparation] Connect the data cable of the peripheral with the main power off. NOTE:

- Make sure to update the peripherals in order of proximity to the main frame.
- Do not update consecutively by selecting several peripherals.
- For GB5000, 5 boards can be updated consecutively.
- For RB5000, 2 boards can be updated consecutively.

6-1. Copy the firmware necessary for the machine configuration to "romdata" of the SD card.

	Program No.	Version
CI5010	B8355510F	V2.071:42
SR5000	B8305102P	V1.820:59
RB5000	Main : D3925510E	V1.290:04
	Sub: D3925520C	V1.060:01
GB5000		
P-Binder_B1	D3915020C	V0.28
P-Binder_B2	D3915070B	V0.19
P-Binder_B3	D3915730A	V0.13
P-Binder_B4	D3915120B	V0.15
P-Binder_B5	D3915170A	V0.25
BK5000	B8365550B	V2.17:15
SK5000		
1st STACKER	D3645620_P1(1st)	V4.05:13
2nd STACKER	D3645620_P1(2nd)	
Buffer Pass Unit	M3791702A	V1.000:03
Type5000		

6-2. Insert the SD card into Slot 2 (upper slot) with the main power off.

6-3. Turn the main power on, and update the peripherals in order of proximity to the main frame after the selection screen is displayed. Turn the main power off/on and restart when the update is completed. Update the next peripheral.

6-4. Turn off the main power and remove the SD card from the slot when all the update is completed.

6-5. Turn on the main power and select SP mode after "No Connection..." is displayed. Confirm the version by entering "SP7801: ROM No./Firmware Version".

6-6. Turn off the main power and update the Fiery server after confirming the version.

### 7. Fiery Server Update

[Advance Preparation] Turn on the power switch of the Fiery server or connect the power cable that has been unplugged.

Refer to "Fiery System Installation" in the service manual and do the Fiery Server Installation.

## Technical Bulletin

Service manual revision

Retrofit information

## Reissued: 21-Jan-10

Mechanical

Paper path

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Other (

Model: Bellini-C3 (Katana)/AG-C1/DDP Da			Date: 11-Ma	ıy-06	No.: RB234014j	
RTB Reissue						
The items in bol	The items in bold italics have been added.					
Subject: Controller firmware (Finisher)			Prepare	ed by: н.к	lawamura	
From: PPBG Service Planning Dept.						
Classification:	Troubleshooting	Part info	ormation	Action	n required	

Electrical

Transmit/receive

Finisher

Version	Program No.	Effective Date
1.900:60	B8305102Q	January 2010 production
1.820:59	B8305102P	Aug 2009 production
1.800:58	B8305102N	June 2009 production
1.600	B8305102M	March 2009 production
1.500	B8305102L	January 2009 production
1.420:51	B8305102K	August 2008 production
1.400:50	B8305102J	July 2008 production
1.310:48	B8305102H	May 2008 production
1.160	B8305102G	April 2007 production
1.140	B8305102F	November 2006 production
1.100	B8305102E	June 2006 production

### Finisher

Version	Symptom Corrected				
1.900:60	Modified Points:				
	• Countermeasure because the machine cannot print when SC750 is				
	occurring.				
	• Countermeasure because the machine cannot print when SC721 is				
	occurring.				
	occurring. <u>SC750</u> <u>Cause</u> After the SR5000 sends the "tray lifting" command, it did not send a "stop lifting tray" command. The engine was waiting to receive the "stop lifting tray" command; therefore, it did not start printing <u>Measure</u> When jam and SC occurred on the tray lift motor, while sending the "tray lifting" command SR5000 will also send a "stop tray lifting" command in				
	order to start printing.				
	<u>SC721</u> <u>Cause</u>				
	After the SR5000 sends the "wait" command, it did not send a "wait cancel"				
	command. The engine was waiting to receive the "wait cancel" command;				

Technical Bulletin

### Reissued: 21-Jan-10

Model: Bellini-C3 (Katana)/AG-C1/DDP Date: 11-May-06 No.: RB234014j				
Version	Symptom	Corrected		
	therefore, it did not start printing			
	<u>Measure</u> If the staple jogger motor is not at the home position when a standby position check occurred, "request default the position flag" will be set; however, when a jam or SC occurred with the staple jogger motor, change 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, a"move to the home position" signal was released but, for ver. 1.900:60, when a jam or SC occurs with the stapler motor, it does not send the "move to the home position" signal.			
1.820:59	Symptoms Corrected:			
	<ol> <li>The shift tray does not descend nor button is pressed.</li> </ol>	ascend even when the	ne emergency stop	
	<ol> <li>The machine stalls at a "printing in pr not exit to the shift tray.</li> <li>This symptom occurs only when installing</li> </ol>	ocess" status in a jam the Katana-C2 and the	where the paper is EFI controller.	
	<note> Please apply firmware V1.820 or later for a configuration consisted of the Katana-C2 and the EFI controller.</note>			
1.800:58	Symptom Corrected: - Jam115 when changing from Standard	l size to Non-standard s	ize.	
1.600	Other changes: - Moving distance of initialization has been changed to "2mm after sensor turn-off". <note> Please apply Version (V1.600) onward when applying Plockmatic/GBC on the Aegis.</note>			
	<ol> <li>Symptom Corrected:</li> <li>During Plockmatic connection, JAM11</li> <li>During Plockmatic connection, indicati even when staples are added after con VICTORIA-E is powered in a "out of st</li> <li>During Plockmatic connection, when consisted of a single print using a 12x18 sheet, job completion is not stapling function, and results in a "</li> <li>During GBC connection, sheets that a punched.</li> </ol>	5 occurs when operatin on of "out of staples" do mmanding a saddle-stit aples" status. commanding saddle-stite g correctly informed in or still copying" status. re not assigned to be p	ng manual stapling. Des not disappear ch job, in which the ch of more than 2 rder to start the 2nd unched are	
	Changes made: When operating saddle-stitch of more than a the width of the exit guide plate op b the shutting timing of the exit guide edge goes through.	16 sheets at Plockmat ening will be set to 5mr e plate will be when 20n	ic connection, n. nm of the leading	

## Reissued: 21-Jan-10

Model: Be	Ilini-C3 (Katana)/AG-C1/DDP	Date: 11-May-06	No.: RB234014j		
Version	Version Symptom Corrected				
1.500	<ol> <li>Symptom Corrected:</li> <li>Operation stops and will not recover when "stop" button on VICTORIA-E_LED is pressed during stacker exit.</li> <li>Deactivate request cannot be cancelled at Plockmatic connection.</li> <li>Deactivate request cannot be cancelled at GBC connection.</li> <li>Under the condition of having no staples, jam occurs when staple function is released after its operation has been stopped.</li> <li>In Aegis-P1, paper cannot be fed when Plockmatic is connected; indicator shows "full" in shift tray.</li> </ol>				
	<ul> <li>Other changes:</li> <li>1. Under staple-mode, single sheet of par stapled.</li> <li>※ Although display differs in version-up Fi Version (1.500:52), there is no problem as "1.500".</li> </ul>	per ejected to the shift to nisher Version (1.500:5 long as the SP mode V	ray will not be 3) and SP mode rersion is set to		
1.420:51	Changes: Support for Aegis-C1/P1.				
1.400:50	Symptom Corrected:				
	• When the SP adjustment value for the J	ogger 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 databaset is emitted)				
1.100	Other changes: 1. Support for Plockmatic SRA3 size.				
1.160	<ol> <li>JAM 230 sometimes occurs, and the V machine.</li> <li>Sometimes the VICTORIA cannot align</li> <li>If GBC punch is selected during a copy paper is punched by both the VICTORIA</li> </ol>	ICTORIA does not send the paper correctly wh job already set for 3-ho IA and the GBC punch i	d its self-status to en stapling. ble punching, the unit.		
1.140	<ol> <li>The machine stalls and displays "Copy removed after the tray is full. Note: When this occurs, copies cannot</li> <li>The machine displays SC625 instead occurs with stapled paper.</li> <li>Sometimes, the punch motor does not</li> <li>The last sheet of a staple job is not sta Conditions: 2 sheets/set, A4 LEF</li> <li>Jam 111</li> <li>The shift tray does not shift (stacking o cleared.</li> </ol>	ving" if the top sheet of ot be made. of a "jam" message whe turn ON. apled correctly.	on the shift tray is en an exit jam t the shift tray is		


#### Reissued: 21-Jan-10

Model: Be	ellini	-C3 (Katana)/AG-C1/DDP	Date: 11-May-06	No.: RB234014j				
Version		Symptom Corrected						
	7.	7. SC625 occurs after a staple jam is cleared.						
	Conditions: The staple jam occurs when the operator opens the door during staple stacking.							
	8.	8. The machine displays "Copying"if the previous job used mixed-sizes and was cancelled.						
	9.	9. A error with the jogger fences occurs when using Z-fold stapling mode.						
1.100	Lat	Latest Firmware Version						

## Technical Bulletin

#### **PAGE: 1/1**

Model: AG-C1 Date					-10	No.: RD016017	
Subject: Separate P/N for the BCU board and NVRAM					d by: N.iid	da	
From: PPBG Ser	vice Planning Dept.						
Classification:	Troubleshooting	Part inf	ormat	ation 🗌 Ac		n required	
	Mechanical	Electric	al	Service mar		ce manual revision	
	Paper path	Transmit/rece		/receive		ofit information	
	Product Safety	Other (		)	Tier 2		

Old part number	New part number	Description	Q'ty	Int	Page	Index	Note
D0165340	]	PCB:BCU	1→0				
	▶D0165300	PCB:BCU:SUB-ASS'Y	0→1	O/O	189	8	
	▶14075856	RAM - FM18L08-70-P	0→1	0/0	189	11	

**Change**: Parts supply procedure has been changed to supply the BCU board and the NVRAM separately.

**Reason**: NVRAM is not needed in most cases when ordering the BCU board.

# Technical Bulletin

#### **PAGE: 1/2**

Model: Aries-C1.5 (D095) Date					-11	No.: RD095010	
Subject: Part Changes (Bearing & Plates)					d by: A. T	akada	
From: PP Tech Service Dept., 1st PP Tech Service Sect.							
Classification:	Troubleshooting	Part info	ormat	tion	Action	required	
	Mechanical	Electric	al		Service manual revisic		
	Paper path	Transmit/rece		eive 🗌 Retro		ofit information	
	Product Safety	Other (		)	Tier 2		

**Change:** Bearing and the shape of the accompanying plates **Reason:** To share common parts with the LCIT RT5060 (D516)

1, The bearing was changed as shown in the photo below.



2, The size of the holes on the plates were reduced to correspond with the modified bearings.



#### Model : LCIT RT5040 (D095)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
07423808	D5161537	Plain Shaft Bdaring:DIA8	2	X/O	266	103	
B8343395	B8343391	Plate:Left:No.2	1	X/O	266	3	
B8343396	B8343392	Plate:Right:No.2	1	X/O	266	22	

• Make sure all 3 parts shown in the above table are replaced as a set.

• The modification described in this bulletin also applies to Aegis-C1 (D016), Aries-C1 Lt (D097), LCT RT4000 (D350), LCT RT5020 (D355), and LCT RT5050 (D532).



### Technical Bulletin

Model: Aries-C1.5 (D095)

Date: 28-Nov-11

No.: RD095010

121.Paper Tray 1 (D095)



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# Technical Bulletin

#### **PAGE: 1/2**

Model: LCIT RT5010 (B834) Date					12	No.: RB834004	
Subject: Part Chart		Prepared	d by: A. T	akada			
From: PP Tech Service Dept., 1st PP Tech Service Sect.							
Classification:	Troubleshooting	Part info	ormat	tion	Action	n required	
	Mechanical	Electric	al		Servic	e manual revision	
	Paper path	Transmit/rece		eive	Retrof	fit information	
	Product Safety	Other (		)	Tier 2		

Change: Holder and Side fence bracket

Reason: To allow usage of common parts for different products

#### Model: LCIT RT5010 (B834)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
B8343323	B8343363	Holder - :Upper Front	1	X/X	7	5	А
B8343329	B8343364	Holder - Upper Rear	1	X/X	9	21	А
B8343351	B8343353	Side Fence Bracket - Upper Front	1	X/O	7	6	А
B8343352	B8343354	Side Fence Bracket - Upper Rear	1	X/O	9	19	А

• When replacing the above parts, replace all 4 parts as a set.

• The modification described in this bulletin also applies to Aegis-C1 (D016), LCIT RT4000 (D350), LCIT RT5020 (D355), LCIT RT5040 (D453).



#### 3.4TH/6TH PAPER TRAY 2 (B834)



### Technical Bulletin

Model: LCIT RT5010 (B834)

Date: 06-Jan-12

No.: RB834004

4.4TH/6TH PAPER TRAY 3 (B834)



# Technical Bulletin

#### **PAGE: 1/2**

Model: Aegis-C1 (D016) Date					12	No.: RD016018	
Subject: Part Cha		Prepared	d by: A. T	「akada			
From: PP Tech Service Dept., 1st PP Tech Service Sect.							
Classification:	Troubleshooting	Part info	ormat	tion	Action	n required	
	Mechanical	Electric	al	Service manual re		e manual revision	
	Paper path	Transmit/rece		eceive 🗌 Retro		ofit information	
	Product Safety	Other (		)	Tier 2		

Change: Shape of the Handle assembly and Shoe

Reason: To enable usage of common parts with different products

Changed parts

A : Shoe: Handle: Release

Shape of the Shoe was partially modified.

B : Handle: Ass'y

Handle was also modified in accordance with the shape change of the Shoe. (Shape of the plate was also modified.)



Model: Aegis-C1 (D016)

Date: 23-Jan-12

No.: RD016018

#### Model : Aegis-C1 (D016)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
D3553566	D3553567	Handle:Ass'y	2	X/O	287	11	-
-	D5163847	Shoe:Handle:Release	4		287	17	-

- If the unit is now installed with D3553566, replace with D3553567. D5163847 is not needed.
- D5163847 can be attached ONLY to D3553567.
- The modification described in this bulletin also applies to Aries C-1.5 (D095), LCT RT5020 (D355), LCIT RT5050 (D532), and LCIT RT5060 (D516).

#### 134.Transfer Section 1 (D016)



# Technical Bulletin

#### PAGE: 1/2

Model: AG-P1/C1 Date					-12	No.: RD016020
Subject: Parts Changes – Scanner Cover					d by: S. S	Sasaki
From: 1st PP Tech Service Sec., PP Tech Service Dept.,						
Classification:	Troubleshooting	🛛 Part info	ormat	tion	Action	n required
	Mechanical	Electric	al		Service manual revision	
	Paper path	Transmit/rece		eive	Retrofit information	
	Product Safety	Other (		)	🛛 Tier 2	

Please apply the following changes to your parts catalog.

Change: Material of the scanner cover / addition of brackets

Reason: To improve the durability of the scanner cover

106. Exterior 1 (D016) 119. Optics Section 1 (D016)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
D0161980 -	D0161980	COVER:UPPER REAR:SCANNER	1	231	18	*1	
	D0161171	BRACKET:GROUND PLATE	5-6	x/O as a	257	5	*1
	D0161985	BRACKET:COVER:UPPER REAR:LEFT INNER REAR:SCANNER	1	set	257	13	*1

\*NOTE 1: Interchangeability is X/O as a set.



# Technical Bulletin

Model: AG-P1/C1

Date: 13-Feb-12

No.: RD016020

106.Exterior 1 (D016)



119.Optics Section 1 (D016)



### Technical Bulletin

Reissued:27-Mar-12 Model: AG-P1/C1

Date: 25-Jan-12

No.: RD016019a

#### **RTB Reissue**

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

Subject: Part info	rmation for LCT		Prepared by: Hidetoshi Kawamura		
From: 1st Tech se	ervice Sect., PP Tech Service				
Classification:	Troubleshooting	Part informat	tion	Action required	
	Mechanical	Electrical		Service manual revision	
	Paper path	Transmit/rec	eive	Retrofit information	
	Product Safety	Other (	)	Tier 2	

This RTB has been issued to announce the changes in the LCT, which need to be replaced as a set

Old part	New part	Description		Int	Page	Index	Note
number	number				_		
	D3554515	SCALE BOARD:REAR	1	X/X	271	30	X/O
	D3551374	DECAL: POSITIONING DISPLAY: SCALE	1	X/O	269	23	as a set
	D3551375	DECAL:PAPER TRAY:SCALE	1	X/O	269	24	
	B8343301	BASE:SIDE FENCE:LOWER:PEEN	1	X/O	275	18	
07200080E	07250120E	RETAINING RING C - M12	4	X/X	269	105	
B8343321	B8343353	SIDE FENCE BRACKET-UPPER FRONT	1	X/X	269	8	
B8343322	B8343354	SIDE FENCE BRACKET-UPPER REAR	1	X/X	271	22	
B8343332	D3553332	GUIDE:LM-6:UPPER FRONT	1	X/X	269	10	
B8343337	B8343357	COVER:UPPER FRONT	1	X/X	269	11	
B8343338	B8343358	COVER:UPPER REAR	1	X/X	271	10	
B8343350	D3554850	BALL BEARING:SLIDE:DIA6	4→2	X/X	269	4	
D3504516	D3504517	GUARD:TRAY:SIDE FENCE	1	X/X	269	3	
D3553306	D3553308	BRACKET:SIDE FENCE:LOWER	1	X/X	275	15	
		FRONT:PEEN					
D3554664	D3554666	SIDE FENCE:REAR	1	X/X	271	1	
D3554866		BALL BEARING:SLIDE:DIA6	1→2	X/X	275	12	

### Technical Bulletin

Reissued:27-Mar-12 Model: AG-P1/C1

Date: 25-Jan-12 No.: RD016019a



### Technical Bulletin

Reissued:27-Mar-12

Model: AG-P1/C1

Date: 25-Jan-12 No.: RD016019a

View of the LCT from the top



#### Front side

Image of the BASE: SIDE FENCE: LOWER: PEEN



## Technical Bulletin

#### **PAGE: 1/1**

Model: AG-P1/C	1	e: 12-Nov-14	No.: RD016021			
Subject: 4 new s	tays added to Paper Tray 4		Prepared by: Hiroaki H Matsui			
From: 1st PP Teo	ch Service Sec., PP Tech Servi					
Classification:	Classification:		ormat al iit/rec	tion Acti	on required vice manual revision rofit information 2	

Please apply the following changes to your parts catalog.

Change: Addition of stays

Reason: To meet requests from the field

#### 127. Paper Tray 4 (D016/D097)

Old Part Number	New Part Number	Description	Q'ty	Int	Page	Index	Note
-	D3554618	STAY:LEFT:PAPER TRAY	1	-	272	16	Add
-	D4534612	STAY:PAPER TRAY: BASE: FRONT:PEEN	1	-	272	17	Add
-	D3554615	STAY:RIGHT:PAPER TRAY: PEEN	1	-	272	18	Add
-	D4534616	STAY:PAPER TRAY:BASE: REAR:PEEN	1	-	272	19	Add

127.Paper Tray 4 (D016/D097)



D016/D097/G178/M078

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## Technical Bulletin

#### **PAGE: 1/1**

Model: AG-P1/C1		Date: 9-No	ov-16	No.: RD016022				
Subject: Part change information - Power supply unit					Prepared by: Rie Shohda			
From: 3rd Tech Se	rvice Sect., MFP/P Tech Se							
Classification: Troubleshooting Mechanical Paper path Product Safety		<ul> <li>Part information</li> <li>Electrical</li> <li>Transmit/receive</li> <li>Other ( )</li> </ul>		<ul> <li>Action required</li> <li>Service manual revision</li> <li>Retrofit information</li> <li>Tier 2</li> <li>Tier 0.5</li> </ul>				

Please apply the following changes to your parts catalog.

**Change:** POWER SUPPLY UNIT and its accompanying parts **Reason:** Due to vendor change, the part number has been changed.

Old Part Number	New Part Number	Description		Int	Page	Index	Note
AZ250047	AZ250046	POWER SUPPLY UNIT:BC3:ENGINE-B	1	O/O	200	3	Change

#### 91.Electrical Section 11 (D016/G178)

