Model: Model CM-P1a	Date: 8-Nov-05	No.: RG144001

Subject: Service manual correction	Prepared by: T.Shintani
From: 1st Tech. Support Sec. Service Support Dept.	

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

Please note the following changes:

1. Firmware update procedure

The firmware update procedure was changed as follows:

1) USB Port Update

The USB port can be used to update the printer firmware (in addition to the parallel and EWS ports).

1) Connect the printer to the PC with a USB cable.
2) Open the command prompt and go to the directory that has the new firmware.
3) Make sure all of these files are saved to the **same folder** in the PC.
   - usbprns.exe
   - Rom File
   - Reset file
4) Execute the **usbprns**<F/W filename> command.
5) Wait for the printer to finish the firmware update.
   Note:
   - When the printer starts to receive the data, the "Online" LED blinks.
   - When the printer starts to overwrite the firmware, the "Error" LED turns ON.
   - When the printer finishes overwriting the firmware, the "Error" LED blinks.
   - When the printer finishes the firmware update, **all LEDs blink**.
6) Turn the printer OFF/ON.
7) Download the RESET file.
   Note: See the procedure below.

Model: Model CM-P1a	Date: 8-Nov-05	No.: RG144001

2) Additional procedure (after firmware update)

Do the following procedure after you update the firmware in the field.

Note: This is to set the paper size, because this model does not have an LCD.

1. After you update the firmware, turn the main power OFF/ON.
2. For **Command Prompt (parallel port):**
   1) Open the command prompt and go to the directory which has the "Reset File".
   2) Execute the **copy /b** <reset file name> **lpt1:** command.
   3) Wait until the Configuration Sheet is printed.
   4) Turn the printer main power OFF/ON.

3. For **Command Prompt (USB port):**

Important: When you use the USB port, make sure to save the "Usbprn.exe" file.
   1) Open the command prompt and go to the directory which has the "Reset File".
   2) Execute the **usbprns** <reset file name> command.
   3) Wait until the Configuration Sheet is printed.
   4) Turn the printer main power OFF/ON.

4. For **EWS (Embedded Web Server):**
   1) Select the "Maintenance" tab in the EWS menu.
   2) Select "Printer Firmware" in the Upgrade Firmware menu.
   3) Select the "Reset file" for the update from the Search menu.
   4) Press the Upgrade button.
   5) Wait until the Configuration Sheet is printed.
   6) Turn the printer main power OFF/ON.

2. Service Manual Corrections

Change the areas in **bold** and delete the areas ~~crossed out~~.

SPECIFICATIONS

1.1 General Specifications

Configuration	Desktop	
Paper size	A4/Lt	
Print Resolution	Maximum	1200 x 1200 dpi
	Default	600 x 600 dpi
	RET Chip	Supported
	Gray Scale Level	128 Gray
Print Speed	A4-20 ppm	
	Letter-22 ppm	
Duplex Print Speed	Not Supported	
First Print Speed	Stand-by: 10 seconds	
	Energy saver mode: 50 seconds	
Copy Paper Weight	Paper Tray	60-105 g/m² (16-28 lb.)
	By-pass tray	52-162 g/m² (14-43 lb.)
	Optional paper tray	60-105 g/m² (16-28 lb.)
	Duplex	64-105 g/m² (17-28 lb.)
Warm-up Time	42 seconds from energy saver mode	
Paper Input Size	Standard tray	**A4/LT** – A5
	By-pass tray	**A4/LT** – A6, Free size
	By-pass tray-Custom size paper	Length: 160 - 432 mm (5.8" - 17"), Width: 90 - 305 mm (3.5" - 12"), Com#10, C5, C6, DL. Monarch
	Optional Envelope Feeder	Com#10, C5, C6, DL. Monarch
	Optional paper tray unit Up to 2 units can be installed.	**A4/LT** – A5
Paper Input Capacity	Standard/Optional paper trays	250 sheets (80 g/m², 20 lb.) **SCF: Second Cassette Feeder**
	By-pass tray	Normal paper: 50 sheets (80 g/m², 20 lb.)
		Special paper: 5 sheets
Output Capacity (Maximum 151 sheets)	150 sheets (face down)	
	1 sheet (face up)	
Total Counter	Electric Counter	
Environmental Standard	US version: Energy Star Tier 1	
	EU version: BAM specifications	
Energy Saver Mode	Selectable 1/5/15/30/45/60 minutes	

Model: Model CM-P1a	Date: 8-Nov-05	No.: RG144001

1.3 Software Specifications

OS	Windows 95/98/NT4.0/2000/Me/XP		
	~~Linux OS including Red Hat, Caldera, Debian, Mandrake, Slackware, SuSE, and Turbo Linux~~		
Printer driver	Compatibility	SPL	
	Default	SPL	
	Remote control panel	Supported	
	Status monitor	USB: Supported Network: Supported Parallel: Not supported	
	Languages		English, ~~Korean~~, German, French, Spanish, Italian, Dutch, ~~Portuguese, Russian, Swedish, Norwegian, Finish, Danish~~, Chinese. ~~Taiwanese~~
	Contents	Printer driver, ~~Acrobat reader,~~ Manual, Electronic registration.	
Driver Function	Layout		1. Orientation: Portrait, Landscape, Rotate 180 degrees 2. Layout options: Type, pages per slide, page order. 3. Favorites
	Paper		1. Copies 2. Paper options: Size, source, type 3. Favorites
	Graphics		1. Resolution: 1200 dpi, 600 dpi 2. Toner save: Printer setting (on/off) 3. Advanced options 4. Favorites
	Extras		1. Watermark 2. Overlay 3. Output options (Print order, re-print when jammed) 4. Favorites
	Printer		1. Printer configuration: High altitude correction

Model: Model CM-P1a	Date: 8-Nov-05	No.: RG144001

1.4 Optional unit specifications

Paper tray unit	Capacity	250 sheets (Life: 150 K)
	Media	A4, A5, Letter, Legal, Executive, Oficio, Folio, ISO, B5, JIS B5
	Paper weight	16-24 lb (60-90 g/m²)
Memory	Memory upgrade	Supported
	Memory type	SDRAM
	Memory unit	32 MB, 128 MB
Network	Option	10/100 Base Tx
	Protocol	SPX/IPX, TCP/IP, Ethertalk, SNMP, HTTP 1.1, DLC/LLC
	Operating system	MS Windows 98/NT/ME/2000/XP, SUN Solaris, HP-UX, SCO, Novell Netware, Macintosh
Hard Disk	Not Supported	
Mailbox	Not Supported	
Serial	Not Supported	
Local talk	Not Supported	

Model: CM-P1	Date: 12-Mar-10	No.: RG144002

RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release History(Engine)	Prepared by: Y. Gaman
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.	

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

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

Version	Program No.	Effective Date
6.04	*G145604*	*August 2007 production*
6.01	G145601	1st Mass production

Version	Symptom Corrected
6.04	*Minor bug correction*
6.01	1st Mass production