Model: Stinger-P3/P4	Date: 30-Sep-99	No.: RG031001

Subject: Abnormal Print Image for the Stinger-P3	Prepared by: M. Kitajima
From: Technical Service Dept., GTS Division	

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

SYMPTOM

1. Mechanical noise and all-black image.

2. Dirty background in the central area.

CAUSE

Note: This problem does not occur on the P4 machine since both the cleaning blade and toner collection coil are shorter than those in the P3 machine.

1. The noise occurs when the cleaning blade flips. So, since the cleaning blade is located between the charge roller and drum, the charge roller cannot charge the drum surface, causing the all-black image.

2. The central part of the toner collection coil is bent outward by the weight of the collected toner, and the collected toner drops out of the central area of the cleaning section (and falls onto the paper). Please note that this problem is limited to commercial toner cartridge use only (and does not occur when using the toner cartridge initially supplied with the machine).

SOLUTION

Machines in the field:
Replace the toner cartridge.

Machines in production:
1. To prevent the cleaning blade from slipping out of position, the amount of setting powder applied has been increased from June 1999 mainframe and commercial toner cartridge production runs.

2. To support the central part of the toner collection coil and therefore prevent the coil from being bent, one clip will be added from September 1999 commercial toner cartridge production runs.

Note: The countermeasures described above apply to both the P3 and P4 machines.

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002c

RTB Correction
The items in bold italics have been corrected or added

Subject: Firmware History	Prepared by: K. Ugaeri
From: Technical Services Dept., GTS Division	

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

Firmware history for the Stinger-P3/P4 Controller.

A. FILE INFORMATION

For Stinger-P3

Suffix G0315915	File No.	Version	PCL	PS	C.SUM	Production
E	P3v105	1.05	2.28.27	72.110	8628	1st Mass Prod.
G	P3v201	2.01	3.40.16.8	72.205	6A26	Jun. Prod. '99
H	P3v203	2.03	3.41.16.5	72.207	*2CF5*	Aug. Prod. '99
K*	P3v203	2.03	3.41.16.5	72.207	2CF5	Oct. Prod. '99
L	*P3v205*	*2.05*	*3.50.16.2*	*72.210*	*CFBF*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This is modified by the product reason.

(For Stinger-P4)

Suffix G0325915	File No.	Version	PCL	PS	C.SUM	Production
E	P4v105	1.05	2.28.27	72.110	CCAF	1st Mass Prod.
G	P4v201	2.01	3.40.16.8	72.205	25F9	Jun. Prod. '99
H	P4v203	2.03	3.41.16.5	72.207	3431	Aug. Prod. '99
K*	P4v203	2.03	3.41 16.5	72.207	3431	Oct. Prod. '99
L	*P4v205*	*2.05*	*3.50.16.2*	*72.210*	*78C6*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This is modified by the product reason.

B. Corrected Symptom

Symptom Corrected	Stinger-P3	Stinger-P4
1. The font download function has been added. *2. The paper size signal from AS400 cannot be recognized properly.* *3. The engine firmware version is not printed on the configuration sheet correctly.*	*L*	*L*
Wrinkling at 1200dpi	H	H
When the printing job starts while displaying "Tray X add paper", Aficio Manager displays "Paper out".	H	H
The printing job does not restart when the paper is added to the standard tray after a job is interrupted due to paper end (only a problem with P4).	-	G
HDD and Serial Port functions have been added.(Phase2)	G	G

Model: Stinger-P	Date: 31-Mar-00	No.: RG031003

Subject: Release of stinger-P3II/P4II	Prepared by: M. Kitajima
From: Technical Services Dept., GTS Division	

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

The Stinger – P3II/P4II (G049, G054) will be launched soon as the successors to the Stinger – P3/P4 (G031, G032), and will contain several modifications. Since nearly all of the components for these machines are the same, parts catalogs will not be released. Using the P3/P4 service manual as a base, this RTB will explain the differences between the base printers and the two new models.

With the addition of these products to the Stinger series, the model name for this bulletin has been changed from "Stinger – P3/P4" to "Stinger – P".

1. OVERALL MACHINE INFORMATION
1.1   SPECIFICATIONS

NOTE: The new information for the Stinger-P3II/P4II is underlined in bold face.

Printing Speed:
(600 dpi)
	Stinger – P3II:
	  Maximum **21** pages per minute (A4/LT LEF)
	Stinger – P4II:
	  Maximum **16** pages per minute (A4/LT SEF)

Printer Language:	PCL6/PCL5e
	  Compatible with **Laser Jet 4000/5000** driver and printer.
	  Windows 3.1x/9x, Windows NT4.0/**2000** drivers are available.
	PostScript Level II
	  Windows 3.1x/9x, Windows NT4.0/**2000** drivers and
	  Macintosh (OS 7.5 or later) is available.

Printing Paper Weight	Paper tray: 60 – **90** g/m2, 16 – **24** lb.

> *NOTE: This specification has not changed, but the value mentioned in the P3/P4 Service*
>   *Manual is* underlined *incorrect. Please make the necessary correction.*

Power Source:	Stinger – P3II 120 V, 60 Hz: More than **6.6 A** (for North America) 220 – 240 V, 50/60 Hz More than **3.5 A** (for Europe) Stinger – P4II 120 V, 60 Hz: More than **4.7 A** (for North America) 220 – 240 V, 50/60 Hz More than **2.4 A** (for Europe)

Model: Stinger-P	Date: 31-Mar-00	No.: RG031003

Power Consumption:

	Stinger – P3II	**Stinger – P4II**
Maximum	795 W or less	**560** W or less
Printing	**510** W or less	380 W or less
Energy Saver	30 W or less	**15** W or less

Noise Emission (All Options Installed):
Sound Power Level:

	Stinger – P3II		Stinger – P4II	
	US	EU	US	EU
Printing	64 dB or less	63 dB or less	**62** dB or less	**61** dB or less
Stand- by	**47** dB or less	**46** dB or less	**47** dB or less	**47** dB or less

NOTE: The above measurements were made in accordance with ISO 7779 from the operators' position.

Memory: Standard **16 MB, up to 80 MB with optional DIMM.**
NOTE: Both P3II and P4II are equipped with one DIMM slot.

Utility Software
1. Printer Drivers
2. PS PPD Files
3. Font manager
4. Aficio Manager
5. Operating Instructions (G049/G054 – 22, 27)
6. **Port Navi**

2.1 MACHINE CONFIGURATION

No.	Item	Machine Code
Internal Options		
H	**Printer Feature Expander Type 185 32MB**	**G688 - 10**
I	**Printer Feature Expander Type 185 64MB**	**G688 - 11**

2. DETAILED SECTION DESCRIPTIONS

2.5 PAPER FEED

2.5.1 OVERVIEW

Stinger – P4II

The built-in tray for the Stinger P4 can only hold A4/letter size. However, the Stinger-P4II tray can handle A4/letter or shorter.

The paper feed speed for the Stinger-P3II/P4II is the same as that of the Stinger-P3/P4. However, the feeding interval has been decreased in the Stinger-P3II/P4II, allowing a higher PPM.

2.10 PRINTER CONTROL BOARD

2.10.1 PCB LAYOUT

Stinger – P3II

Stinger – P4II

Option Bus (CN 2)

Flash ROM

DIP SW

DIMM Slot

RAM

RAM

Engine I/F

ASIC

EEPROM

CPU

Control Panel

Centronics I/F
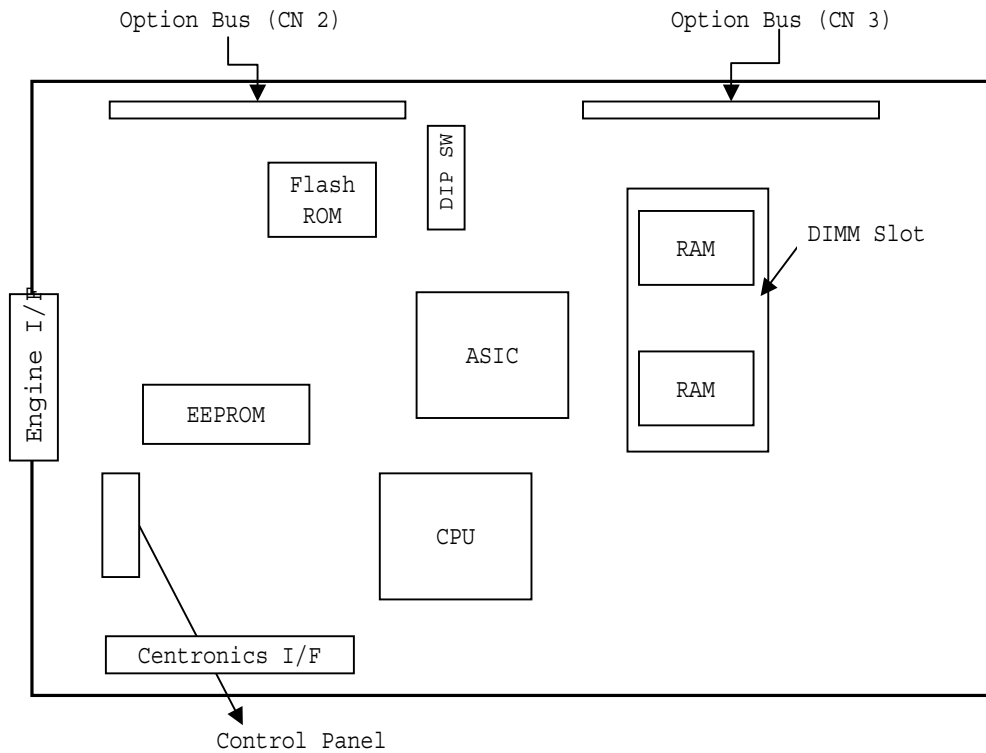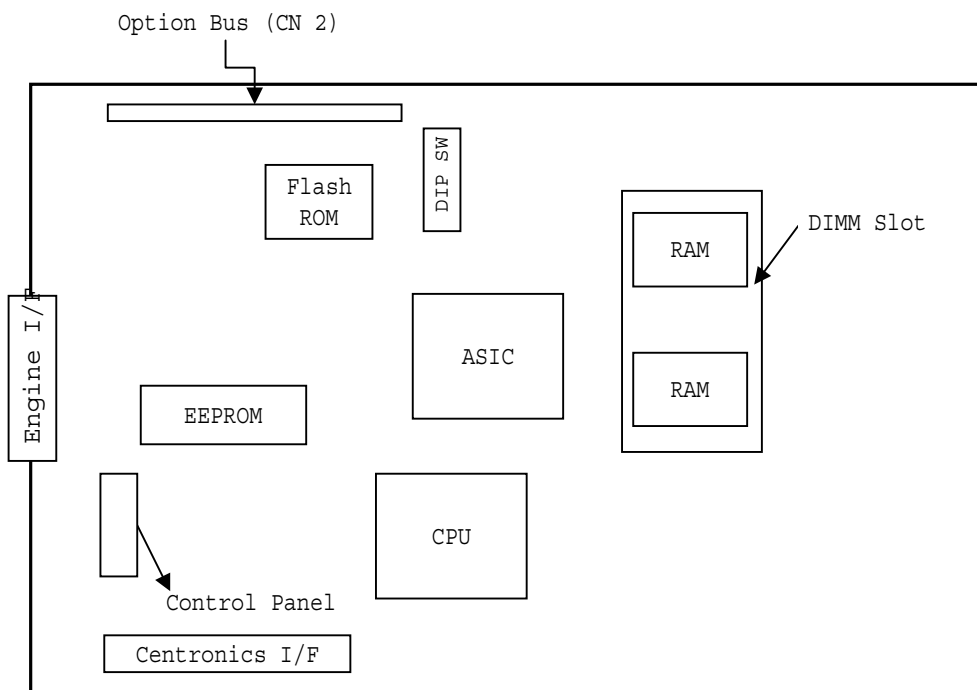
2.10.2 DEVICES

Devices	Description
CPU	132MHz VR4310
ASIC: ROCKY Z	Memory map control
	Reset signal
	DRAM control
	DMA control
	FCI control (edge smoothing, toner saving)
	Interrupt control
	Engine serial communication control
	Interval control
	Centronics I/F
	I/O port
Code ROM	Flash ROM (2 MB) 32 bit
DRAM	16 MB (16 bit DRAM $\times$ 2)
EEPROM	2 KB (NVRAM)
Centronics I/F	Bi-directional parallel interface (standardized by IEEE 1284)
Option I/F	P3: 2 slots 　RS232C 　Ethernet (100 Base-Tx, 10 Base-T) 　Hard disk drive 　IC Card adapter for updating controller firmware (CN 3) P4: 1 slot 　RS232C 　Ethernet (100 base-Tx, 10 Base-T) 　Hard disk drive 　IC Card adapter for updating controller firmware
Optional RAM I/F	DIMM $\times$ 1 slot, 32 or 64 MB DIMM
DIMM I/F	1 slot
DIP SW	

SW No.	Setting	Description
1	OFF	Booting from Flash ROM
	ON	Booting from IC Card
2		Not used
3		Not used
4		Not used

APPENDIX

1.DOWNLOADING CONTROLLER FIRMWARE

1.1.3 DIMM

The DIMM ROM, used for downloading controller firmware, is not supported by the Stinger-P3II/P4II. There are 2 ways to upgrade the controller firmware: 1. Using the IC card (flash card) and 2. Using a PC (via parallel port).

Manual Correction

Page APPENDIX-13, 18

Please delete the following from the manual, as this feature is not supported by the Stinger-P3/P4 or the Stinger-P3II/P4II:

MS-DOS

The DOS procedures are the same as those explained in the appendix entitled, *Copying from a PC Directly*.

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004

Subject: Firmware History	Prepared by: M. Kitajima
From: Technical Services Dept., GTS Division	

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

Firmware history for the Stinger-P3II/P4II Controller.

A. FILE INFORMATION

For Stinger-P3II

Suffix G0495910	File No.	Version	PCL	PS	C.SUM	Production
A	G0495910A	1.11	1.11	80.011	9692	1st Mass Prod.
B	G0495910B	1.29	1.29	80.012	D0E5	Jan. Prod. '01

For Stinger-P4II

Suffix G0545910	File No.	Version	PCL	PS	C.SUM	Production
A	G0545910A	1.11	1.11	80.011	612A	1st Mass Prod.
B	G0545910B	1.29	1.29	80.012	A0A9	Nov. Prod. '00

B. Corrected Symptoms

Symptom Corrected	P3II	P4II
1. When using PCL5e, the right side of the table line is not printed.	B	B
2. When using Word 2000/PCLXL/1200dpi, the image created by WordArt is not printed correctly.		
3. The downloading of the PS font to the HDD is too slow.		

Model: Stinger-P3II/P4II	Date: 27-Jun-01	No.: RG031005

Subject: Engine Firmware History	Prepared by: M Kitajima
From: Technical Services Dept., GTS Division	

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

Stinger-P3II/P4II engine firmware history

A. FILE INFORMATION

For Stinger-P3II (G049)

Suffix G0295172	File No.	Version	Check SUM	Production
-	P3IIv004	0.04	F6E6	1st Mass Production

For *Stinger-P4II (G054)*

Suffix G0305157	File No.	Version	Check SUM	Production
B	P4vII100	1.00	B55B	1st Mass Production
C	P4vII101	1.01	F1AC	Jul. Prod. '00

B. Corrected Symptom

Symptom Corrected			Stinger-P3II	Stinger-P4II
To meet EMI standards, the fusing temperature control was changed.			-	*C*
Condition	Power on – Within 2 minutes	After 2 minutes		
Ready to print (old)	170	170		
Ready to print (new)				
600 dpi	164	164		
1200 dpi	135	135		
Standby mode (old)	175	165		
Standby mode (new)				
600 dpi	164 - 173	133 - 173		
1200 dpi	135 – 145	105 - 145		

RICOH

Technical Bulletin

Model: NIB Type2000 for Stinger-P	Date: 27-Jun-01	No.: RG031006

Subject: Firmware History for NIB		Prepared by: M. Kitajima
From: Technical Services Dept., GTS Division		

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

Firmware history for the NIB Type 2000.

A. FILE INFORMATION

Firmware	File No.	Version	Production
rst538.upd	V538.zip	5.38	First production
rst555.upd	V555.zip	5.55	Apr. production '00
rst565a.upd	V565.zip	5.65a	Jan. production '01

B. Corrected Symptom

Symptom Corrected	Version
1. IPP printing (v1.0) is supported. (See Note 1.) 2. AS400 problem in Australia—system hung up with remote print from AS400—has been fixed. (The countermeasure for NIB 450e has been included in NIB type 2000) 3. VAX/VMS problem—job remains in the queue after printing from VAX system—has been fixed. (The countermeasure for NIB 450e has been included in NIB type 2000) 4. IP fragmentation problem with token ring/Ethernet converter has been fixed. 5. It is possible to fix the network speed at 100M or 10M bps.	5.65a
1. The field problem of poor performance with NetWare has been fixed. 2. CIDR is supported. 3. It is possible to enable or disable TCP/IP.	5.55
First release.	5.38

Note 1: IPP printing

The feature is supported only by Stinger-P3II and Stinger-P4II (not supported by Stinger-P3/P4).

Windows 2000 or Windows 98/ME allow IPP printing. The IPP client program must be installed in Windows 98/ME before using the feature. The IPP client program, WPNPINS.exe, is on the Microsoft Web site.

With the Add printer wizard, an IPP port can be specified as follows:

URL) http://XXX.XXX.XXX:631/Print   XXX is the IP address of the printer.

Note 2: Network speed

The network speed can be fixed at 100Mbps or 10Mbps with the built-in web browser.

Be aware that the machine will never communicate with the host if the wrong network speed has been set by accident.

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002d

RTB Correction

The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by: M. Kitajima
From: Technical Services Dept., GTS Division	

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

Stinger-P3/P4 Controller Firmware.

A. FILE INFORMATION

For Stinger-P3

Suffix G0315915	File No.	Version	PCL	PS	C.SUM	Production
E	P3v105	1.05	*2.28.27*	72.110	8628	1st Mass Prod.
G	P3v201	2.01	3.40.16.8	72.205	6A26	Jun. Prod. '99
H	P3v203	2.03	3.41.16.5	72.207	*2CF5*	Aug. Prod. '99
K*	P3v203	2.03	3.41.16.5	72.207	2CF5	Oct. Prod. '99
L	P3v205	2.05	3.50.16.2	72.210	CFBF	Prod. Discontinued
N	*P3v207*	*2.07*	*3.50.16.5*	*72.210*	*4D5B*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This modification is for production reasons.

For Stinger-P4

Suffix G0325915	File No.	Version	PCL	PS	C.SUM	Production
E	P4v105	1.05	*2.28.27*	72.110	CCAF	1st Mass Prod.
G	P4v201	2.01	3.40.16.8	72.205	25F9	Jun. Prod. '99
H	P4v203	2.03	3.41.16.5	72.207	*3431*	Aug. Prod. '99
K*	P4v203	2.03	3.41 16.5	72.207	3431	Oct. Prod. '99
L	P4v205	2.05	3.50.16.2	72.210	78C6	Prod. Discontinued
N	*P4v207*	*2.07*	*3.50.16.5*	*72.210*	*B88E*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This modification is for production reasons.

B. Corrected Symptom

For older symptoms, see older RTBs.

Symptom Corrected	Stinger-P3	Stinger-P4
1. *The right edge is not printed.* *2.* *Print error after alternately printing Unix file ➔ Windows PS file ➔ Unix file.*	*N*	*N*

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Reissued: 27-Jun-01

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004a

RTB Correction
The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by: M. Kitajima
From: Technical Services Dept., GTS Division	

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

Stinger-P3II/P4II Controller Firmware.

A. FILE INFORMATION

For Stinger-P3II

Suffix G0495910	File No.	Version	PCL	PS	C.SUM	Production
A	G0495910A	1.11	1.11	80.011	9692	1st Mass Prod.
B	G0495910B	1.29	1.29	80.012	D0E5	Jan. Prod. '01

For Stinger-P4II

Suffix G0545910	File No.	Version	PCL	PS	C.SUM	Production
A	G0545910A	1.11	1.11	80.011	612A	1st Mass Prod.
B	G0545910B	1.29	1.29	80.012	A0A9	Nov. Prod. '00
C	*G0545910C*	*1.35*	*1.35*	*80.012*	*6D9B*	*Jun. Prod. '01*

B. Corrected Symptoms

For older symptoms, see older RTBs

Symptom Corrected	P3II	P4II
The paper handling of the by-pass tray can be selected with Dip SW 4. ● *Dip SW 4: Off (Default)* *When the by-pass tray is selected with the driver, the paper size selected with the driver is available regardless of the paper size set at the operation panel.* ● *Dip SW 4:On* *The print is available only when the paper size selected with the driver is the same as that set at the operation panel. (This is the way the machine worked prior to the modification.)*	*-*	*C*

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002e

RTB Correction
The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by: K. Kitajima
From: Technical Services Dept., GTS Division	

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

History of the Stinger-P3/P4 controller firmware

A. FILE INFORMATION

Stinger-P3

Suffix G0315915	File No.	Version	PCL	PS	C.SUM	Production
E	P3v105	1.05	2.28.27	72.110	8628	1st Mass Prod.
G	P3v201	2.01	3.40.16.8	72.205	6A26	Jun. Prod. '99
H	P3v203	2.03	3.41.16.5	72.207	2CF5	Aug. Prod. '99
K*	P3v203	2.03	3.41.16.5	72.207	2CF5	Oct. Prod. '99
L	P3v205	2.05	3.50.16.2	72.210	CFBF	Prod. Discontinued
N	P3v207	2.07	3.50.16.5	72.210	4D5B	Prod. Discontinued

*The suffix H & K are the same firmware. This modification is for production reasons.

Stinger-P4

Suffix G0325915	File No.	Version	PCL	PS	C.SUM	Production
E	P4v105	1.05	2.28.27	72.110	CCAF	1st Mass Prod.
G	P4v201	2.01	3.40.16.8	72.205	25F9	Jun. Prod. '99
H	P4v203	2.03	3.41.16.5	72.207	3431	Aug. Prod. '99
K*	P4v203	2.03	3.41 16.5	72.207	3431	Oct. Prod. '99
L	P4v205	2.05	3.50.16.2	72.210	78C6	Prod. Discontinued
N	P4v207	2.07	3.50.16.5	72.210	*B8BE*	Prod. Discontinued

*The suffix H & K are the same firmware. This modification is for production reasons.

B. Corrected Symptoms

For older symptoms, see older RTBs.

Symptom Corrected	Stinger-P3	Stinger-P4
1.　The right edge is not printed.	N	N
2.　Print error after alternately printing Unix file ➜ Windows PS file ➜ Unix file.		

Reissued: 25-Dec-01

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002f

RTB Correction

The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by:
From: Technical Services Dept., GTS Division	

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

History of the Stinger-P3/P4 Controller Firmware.

A. FILE INFORMATION

For Stinger-P3

Suffix G0315915	File No.	Version	PCL	PS	C.SUM	Production
E	P3v105	1.05	2.28.27	72.110	8628	1st Mass Prod.
G	P3v201	2.01	3.40.16.8	72.205	6A26	Jun. Prod. '99
H	P3v203	2.03	3.41.16.5	72.207	2CF5	Aug. Prod. '99
K*	P3v203	2.03	3.41.16.5	72.207	2CF5	Oct. Prod. '99
L	P3v205	2.05	3.50.16.2	72.210	CFBF	Prod. Discontinued
N	P3v207	2.07	3.50.16.5	72.210	4D5B	Prod. Discontinued
P	*P3v208*	*2.08*	*3.51.16.0*	*72.210*	*5769*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This modification is for production reasons.

For Stinger-P4

Suffix G0325915	File No.	Version	PCL	PS	C.SUM	Production
E	P4v105	1.05	2.28.27	72.110	CCAF	1st Mass Prod.
G	P4v201	2.01	3.40.16.8	72.205	25F9	Jun. Prod. '99
H	P4v203	2.03	3.41.16.5	72.207	3431	Aug. Prod. '99
K*	P4v203	2.03	3.41 16.5	72.207	3431	Oct. Prod. '99
L	P4v205	2.05	3.50.16.2	72.210	78C6	Prod. Discontinued
N	P4v207	2.07	3.50.16.5	72.210	B8BE	Prod. Discontinued
P	*P4v208*	*2.08*	*3.51.16.0*	*72.210*	*E2C4*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This modification is for production reasons.

B. Corrected Symptoms

For older symptoms, see older RTBs.

Symptom Corrected	Stinger-P3	Stinger-P4
Printing stalls when using a PS driver under Windows XP.	*P*	*P*

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Reissued: 25-Dec-01

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004b

RTB Correction
The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by: M. Kitajima
From: Technical Services Dept., GTS Division	

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

History of the Stinger-P3II/P4II Controller Firmware.

A. FILE INFORMATION

For Stinger-P3II

Suffix G0495910	File No.	Version	PCL	PS	C.SUM	Production
A	G0495910A	1.11	1.11	80.011	9692	1st Mass Prod.
B	G0495910B	1.29	1.29	80.012	D0E5	Jan. Prod. '01
D	*G0495910D*	*1.36*	*1.36*	*80.012*	*C57F*	*Prod. Discontinued*

For Stinger-P4II

Suffix G0545910	File No.	Version	PCL	PS	C.SUM	Production
A	G0545910A	1.11	1.11	80.011	612A	1st Mass Prod.
B	G0545910B	1.29	1.29	80.012	A0A9	Nov. Prod. '00
C	G0545910C	1.35	1.35	80.012	6D9B	Jun. Prod. '01
D	*G0545910D*	*1.36*	*1.36*	*80.012*	*065B*	*Jun. Prod. '02*

B. Corrected Symptoms

For older symptoms, see older RTBs.

Symptoms Corrected	P3II	P4II
Printing stalls when using the PS driver under Windows XP.	*D*	*D*

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002g

RTB Correction

The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by: K.Miura
From: Technical Services sec. Service Planning Dept.	

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

Stinger-P3/P4 Controller Firmware.

A. FILE INFORMATION

For Stinger-P3

Suffix G0315915	File No.	Version	PCL	PS	C.SUM	Production
E	P3v105	1.05	2.28.27	72.110	8628	1st Mass Prod.
G	P3v201	2.01	3.40.16.8	72.205	6A26	Jun. Prod. '99
H	P3v203	2.03	3.41.16.5	72.207	2CF5	Aug. Prod. '99
K*	P3v203	2.03	3.41.16.5	72.207	2CF5	Oct. Prod. '99
L	P3v205	2.05	3.50.16.2	72.210	CFBF	Prod. Discontinued
N	P3v207	2.07	3.50.16.5	72.210	4D5B	Prod. Discontinued
P	P3v208	2.08	3.51.16.0	72.210	5769	Prod. Discontinued
Q	*P3v209*	*2.09*	*3.51.16.1*	*72.210*	*0FA3*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This modification is for production reasons.

For Stinger-P4

Suffix G0325915	File No.	Version	PCL	PS	C.SUM	Production
E	P4v105	1.05	2.28.27	72.110	CCAF	1st Mass Prod.
G	P4v201	2.01	3.40.16.8	72.205	25F9	Jun. Prod. '99
H	P4v203	2.03	3.41.16.5	72.207	3431	Aug. Prod. '99
K*	P4v203	2.03	3.41 16.5	72.207	3431	Oct. Prod. '99
L	P4v205	2.05	3.50.16.2	72.210	78C6	Prod. Discontinued
N	P4v207	2.07	3.50.16.5	72.210	B8BE	Prod. Discontinued
P	P4v208	2.08	3.51.16.0	72.210	E2C4	Prod. Discontinued
Q	*P4v209*	*2.09*	*3.51.16.1*	*72.210*	*FE48*	*Prod. Discontinued*

*The suffix H & K are the same firmware. This modification is for production reasons.

B. Corrected Symptom

Symptom Corrected	Stinger-P3	Stinger-P4
The printer option now supports Mac OS X ver 10.1 (Native) and newer.	*Q*	*Q*

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004c

RTB Correction
The items in bold italics have been corrected or added.

Subject: Firmware History	Prepared by: K.Miura
From: Technical Services sec. Service Planning Dept.	

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

Stinger-P3II/P4II Controller Firmware.

A. FILE INFORMATION

For Stinger-P3II

Suffix G0495910	File No.	Version	PCL	PS	C.SUM	Production
A	G0495910A	1.11	1.11	80.011	9692	1st Mass Prod.
B	G0495910B	1.29	1.29	80.012	D0E5	Jan. Prod. '01
D	G0495910D	1.36	1.36	80.012	C57F	Prod. Discontinued
E	*G0495910E*	*1.38*	*1.38*	*80.012*	*C79A*	*Prod. Discontinued*

For Stinger-P4II

Suffix G0545910	File No.	Version	PCL	PS	C.SUM	Production
A	G0545910A	1.11	1.11	80.011	612A	1st Mass Prod.
B	G0545910B	1.29	1.29	80.012	A0A9	Nov. Prod. '00
C	G0545910C	1.35	1.35	80.012	6D9B	Jun. Prod. '01
D	G0545910D	1.36	1.36	80.012	065B	Jun. Prod. '02
E	*G0545910E*	*1.38*	*1.38*	*80.012*	*1A17*	*April Prod. '02*

B. Corrected Symptom

Symptom Corrected	P3II	P4II
● *Added Euro Symbol Sets PC858, Latin 9, and Roman 9.* ● *Added Euro currency codes to existing symbol sets MC Text and PS Math.* ● *Changed symbol sets Win3.1 Latin1 8E, 9E, and Win 3.1 Baltic FF so that they appear on outputs the same as with HP printers.*	*E*	*E*

RICOH

Technical Bulletin

Reissued: 30-Oct-02

Model: Stinger-P3/P4	Date: 27-Jun-01	No.: RG031006a

RTB Correction
The items in bold italics have been corrected or added.

Subject: Firmware History for NIB	Prepared by: K.Miura
From: Technical Services sec. Service Planning Dept.	

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

Firmware history for the NIB Type2000.

A. FILE INFORMATION

Firmware	File No.	Version	Production
rst538.upd	V538.zip	5.38	First production
rst555.upd	V555.zip	5.55	Apr. production '00
rst565a.upd	V565.zip	5.65a	Jan. production '01
rst572b.upd	*V572.zip*	*5.72b*	*Oct. production '01*
rst576c.upd	*V576.zip*	*5.76c*	*Sep. production '02*

B. Corrected Symptom

Symptom Corrected	Version
1. *Network connection is broken.* *2.* *Panel freezes when multiple buttons are pressed continuously.* *Other changes:* *1.* *The following IP protocols can be enabled/disabled: HTTP, Telnet, FTP, SNMP, IPP, LPR, Rawsocket.* *2.* *SNMP Community name can be changed.* *3.* *SAP interval can be changed.* *4.* *Software now supports NetWare 6.* *5.* *SNMP security improved (CERT test path).*	*5.76c*
1. *NIB450E disconnects from the network.* *2.* *Socket Printing response interval (to FIN) reduced from 2sec to 100ms.* *3.* *Memory size for the entire PostScript Banner increased from 120 bytes to 256 bytes. This is for the entire Banner, which includes the host name, user name and file name.* *4.* *Ghost server problem: Multicast hash table used for Ethernet driver. This allows only specific AppleTalk multicasts instead of all multicasts, preventing the NIC from crashing during multicast storms.* *Other changes:* *Software modified to support WINS.*	*5.72b*