

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:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> 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.

Reissued: 07-Aug-00

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002c
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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:	<input checked="" type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> 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 <u>21</u> pages per minute (A4/LT LEF) Stinger – P4II: Maximum <u>16</u> pages per minute (A4/LT SEF)
Printer Language:	PCL6/PCL5e Compatible with <u>Laser Jet 4000/5000</u> driver and printer. Windows 3.1x/9x, Windows NT4.0/ <u>2000</u> drivers are available. PostScript Level II Windows 3.1x/9x, Windows NT4.0/ <u>2000</u> drivers and Macintosh (OS 7.5 or later) is available.
Printing Paper Weight	Paper tray: 60 – <u>90</u> g/m2, 16 – <u>24</u> lb.

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

Power Source:	Stinger – P3II 120 V, 60 Hz: More than <u>6.6 A</u> (for North America) 220 – 240 V, 50/60 Hz More than <u>3.5 A</u> (for Europe) Stinger – P4II 120 V, 60 Hz: More than <u>4.7 A</u> (for North America) 220 – 240 V, 50/60 Hz More than <u>2.4 A</u> (for Europe)
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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	<u>Printer Feature Expander Type 185 32MB</u>	<u>G688 - 10</u>
I	<u>Printer Feature Expander Type 185 64MB</u>	<u>G688 - 11</u>

2. DETAILED SECTION DESCRIPTIONS

2.5 PAPER FEED

2.5.1 OVERVIEW

Stinger – P4II

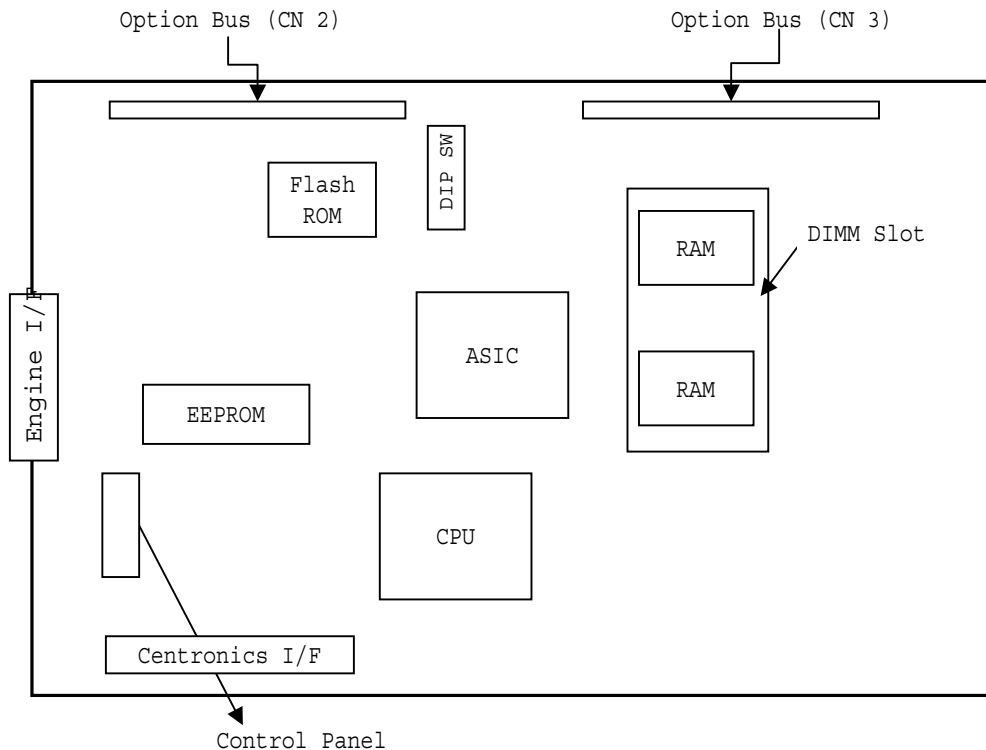
The built-in tray for the Stinger P4 can only hold A4/letter size. However, the Stinger-P4II tray can handle A4/letter or shorter.

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

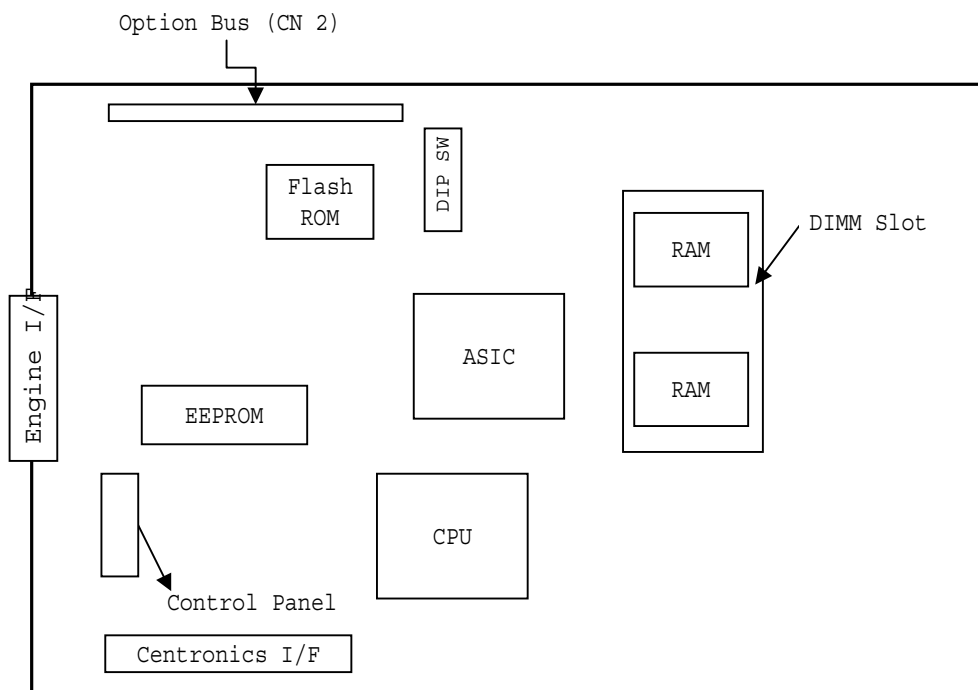


Model: Stinger-P

Date: 31-Mar-00

No.: RG031003

Stinger – P4II



Model: Stinger-P

Date: 31-Mar-00

No.: RG031003

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 × 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 × 1 slot, 32 or 64 MB DIMM																	
DIMM I/F	1 slot																	
DIP SW	<div><div><div><div>1</div><div>2</div><div>3</div><div>4</div></div><div><div></div><div></div><div></div><div></div></div><div>- OFF -</div></div></div> <table><tr><th>SW No.</th><th>Setting</th><th>Description</th></tr><tr><td rowspan="2">1</td><td>OFF</td><td>Booting from Flash ROM</td></tr><tr><td>ON</td><td>Booting from IC Card</td></tr><tr><td>2</td><td></td><td>Not used</td></tr><tr><td>3</td><td></td><td>Not used</td></tr><tr><td>4</td><td></td><td>Not used</td></tr></table>	SW No.	Setting	Description	1	OFF	Booting from Flash ROM	ON	Booting from IC Card	2		Not used	3		Not used	4		Not used
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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Retrofit information <input type="checkbox"/> 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:	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> Other ()		

Stinger-P3II/P4II engine firmware history

A. FILE INFORMATION

For Stinger-P3II (G049)

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

For *Stinger-P4II (G054)*

Suffix	File No.	Version	Check SUM	Production
G0305157	P4vII100	1.00	B55B	1 st Mass Production
B	P4vII100	1.00	B55B	1 st 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		

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:	<input type="checkbox"/> Troubleshooting <input checked="" type="checkbox"/> Part information <input type="checkbox"/> Action required <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Service manual revision <input type="checkbox"/> Paper path <input type="checkbox"/> Transmit/receive <input type="checkbox"/> Retrofit information <input type="checkbox"/> 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.

Reissued: 27-Jun-01

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002d
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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	1 st 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

Reissued: 27-Jun-01

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004a
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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	<i>G0545910C</i>	<i>1.35</i>	<i>1.35</i>	<i>80.012</i>	<i>6D9B</i>	<i>Jun. Prod. '01</i>

B. Corrected Symptoms

For older symptoms, see older RTBs

Symptom Corrected	P3II	P4II
<p><i>The paper handling of the by-pass tray can be selected with Dip SW 4.</i></p> <ul style="list-style-type: none"> ● <i>Dip SW 4: Off (Default)</i> <i>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.</i> ● <i>Dip SW 4: On</i> <i>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.)</i> 	-	C

Reissued: 03-Jul-01

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002e
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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	1 st 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
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RTB Correction

The items in bold italics have been corrected or added.

Subject: Firmware History		Prepared by:	
From: Technical Services Dept., GTS Division			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input checked="" type="checkbox"/> Retrofit information
	<input type="checkbox"/> 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
<i>P</i>	<i>P3v208</i>	<i>2.08</i>	<i>3.51.16.0</i>	<i>72.210</i>	<i>5769</i>	<i>Prod. Discontinued</i>

*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	1 st 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
<i>P</i>	<i>P4v208</i>	<i>2.08</i>	<i>3.51.16.0</i>	<i>72.210</i>	<i>E2C4</i>	<i>Prod. Discontinued</i>

*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
<i>Printing stalls when using a PS driver under Windows XP.</i>	<i>P</i>	<i>P</i>

Reissued: 25-Dec-01

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004b
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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
<i>D</i>	<i>G0495910D</i>	<i>1.36</i>	<i>1.36</i>	<i>80.012</i>	<i>C57F</i>	<i>Prod. Discontinued</i>

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
<i>D</i>	<i>G0545910D</i>	<i>1.36</i>	<i>1.36</i>	<i>80.012</i>	<i>065B</i>	<i>Jun. Prod. '02</i>

B. Corrected Symptoms

For older symptoms, see older RTBs.

Symptoms Corrected	P3II	P4II
<i>Printing stalls when using the PS driver under Windows XP.</i>	<i>D</i>	<i>D</i>

Reissued: 14-May-02

Model: Stinger-P3/P4	Date: 31-Jan-00	No.: RG031002g
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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	1 st 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
<i>The printer option now supports Mac OS X ver 10.1 (Native) and newer.</i>	Q	Q

Reissued: 14-May-02

Model: Stinger-P3II/P4II	Date: 11-Jan-01	No.: RG031004c
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input checked="" type="checkbox"/> Retrofit information

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
<i>E</i>	<i>G0495910E</i>	<i>1.38</i>	<i>1.38</i>	<i>80.012</i>	<i>C79A</i>	<i>Prod. Discontinued</i>

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
<i>E</i>	<i>G0545910E</i>	<i>1.38</i>	<i>1.38</i>	<i>80.012</i>	<i>1A17</i>	<i>April Prod. '02</i>

B. Corrected Symptom

Symptom Corrected	P3II	P4II
<ul style="list-style-type: none"> ● <i>Added Euro Symbol Sets PC858, Latin 9, and Roman 9.</i> ● <i>Added Euro currency codes to existing symbol sets MC Text and PS Math.</i> ● <i>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.</i> 	<i>E</i>	<i>E</i>

Reissued: 30-Oct-02

Model: Stinger-P3/P4	Date: 27-Jun-01	No.: RG031006a
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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:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

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
<i>rst572b.upd</i>	<i>V572.zip</i>	<i>5.72b</i>	<i>Oct. production '01</i>
<i>rst576c.upd</i>	<i>V576.zip</i>	<i>5.76c</i>	<i>Sep. production '02</i>

B. Corrected Symptom

Symptom Corrected	Version
<ol style="list-style-type: none"> <i>Network connection is broken.</i> <i>Panel freezes when multiple buttons are pressed continuously.</i> <p><i>Other changes:</i></p> <ol style="list-style-type: none"> <i>The following IP protocols can be enabled/disabled: HTTP, Telnet, FTP, SNMP, IPP, LPR, Rawsocket.</i> <i>SNMP Community name can be changed.</i> <i>SAP interval can be changed.</i> <i>Software now supports NetWare 6.</i> <i>SNMP security improved (CERT test path).</i> 	<i>5.76c</i>
<ol style="list-style-type: none"> <i>NIB450E disconnects from the network.</i> <i>Socket Printing response interval (to FIN) reduced from 2sec to 100ms.</i> <i>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.</i> <i>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.</i> <p><i>Other changes:</i> <i>Software modified to support WINS.</i></p>	<i>5.72b</i>

Reissued: 22-Apr-05

Model: Stinger-P3/P4	Date: 27-Jun-01	No.: RG031006b
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RTB Correction

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

Subject: Firmware History for NIB		Prepared by: M.Ishihara	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information

We hereby inform you of the firmware history for the NIB Type2000 Firmware.

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
		5.76f	Apr.Production'05

B. Corrected Symptom

Symptom Corrected	Version
<p><i>A DoS (denial of service) attack occurs when a specially-crafted ICMP packet is received.</i> <i>Note: Refer to TechMail #OTS-2005-404 and Secunia advisory SA13475 (http://secunia.com/advisories/13475/).</i></p> <p><i>Fixed: Specially crafted ICMP packet causes DoS. This was reported in Secunia advisory SA13475 (http://secunia.com/advisories/13475/). (TechMail#OTS-2005-404)</i></p>	5.76f
<p>1. Network connection is broken. 2. Panel freezes when multiple buttons are pressed continuously.</p> <p>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).</p>	5.76c
<p>1. NIB450E disconnects from 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</p>	5.72b

Reissued: 22-Apr-05

Model: Stinger-P3/P4	Date: 27-Jun-01	No.: RG031006b
<p>name and file name.</p> <p>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.</p> <p>Other changes: Software modified to support WINS.</p>		

Reissued: 22-Apr-05

Model: Stinger-P3/P4	Date: 27-Jun-01	No.: RG031006b
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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 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 select TCP/IP enable or disable.	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. 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 by 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.