Model: Adonis-C2	Date: 20-Sep-01	No.: RB003020

Subject: NCS(NIB) Firmware History	Prepared by: K. Takagi
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 NCS (NIB).

Part Number	Version	Production
G0585921D	*1.66*	*April 2001 production*
G0585921C	1.61	1st mass production

Note: The above firmware is being used in USA, Europe, and Asia models.

Descriptions of the changes

Descriptions	Version
Firmware modified to correct the following: 1. After a communication failure breaks the connection between the NIB and the Network Twain driver, the driver is unable to re-establish connection (unless the A-C2 is powered Off/On). 2. When 80000000(H) or more is registered in Manager IPX Address 2 (Web Status Monitor), the setting is changed to an unspecified one. 3. If several print jobs are sent one after another to the NIB via the IPP port of SmartNetMonitor for Client, the NIB terminates printing. (Also, a print job sent by the standard IPP port may be canceled). 4. The USTATUS information may be lost, depending on when the USTATUS is sent during bi-directional communication over TCP/IP port 9100. 5. With bi-directional communication enabled for TCP port 9100, printing operation is disabled after data is sent from an application utility that does not support bi-directional communication (e.g. Port Navi, MDP). 6. The IP address 0.0.0.0 can be set using the ifconfig command. 7. The wording of the message for saving data at logoff was corrected from "datas" to "data". Change in Specifications: 1. Information such as the IP address and printing protocol (Client PCs) was added to the syslog file for access restriction. 2. The display width for the ID of the prnlog command with telnet, rsh, and ftp was expanded from 2 to 10 digits.	*1.66*
First mass production	1.61

Model: Adonis-C2	Date: 22-Oct-01	No.: RB003025

Subject: Service Card Release History (MFP)		Prepared by: K. Takagi
From: Technical Services Dept., GTS Division		
Classification:	☐ Troubleshooting ☐ Part information ☐ Action required ☐ Mechanical ☐ Electrical ☐ Service manual revision ☐ Paper path ☐ Transmit/receive ☐ Retrofit information ☒ Other ( )	

This RTB has been issued to announce the firmware release information and downloading procedure for the MFP Service Card.

Please refer to each firmware release RTB for details.

MFP Service Card

Version	Program No.	C. SUM	Effective Date
1.02	B0045118A	B37C	April 2001 prod.
1.03	B0045118B	B672	July 2001 prod.
1.04	B0045118C	7C19	July 2001 prod.
2.00	*B0045118D*	*9564*	*October 2001 prod.*

Contents

Version	Programs/Versions			
	Printer	**Scanner**	**NCS (NIB)**	**NFA (Netfile)**
1.02	Ver. 1.36	Ver. 2.07	Ver. 1.66.1	Ver. 1.42.02
	B3615902	B3615901D	G0585921D	G0585922D
1.03	Ver. 2.00.1	Ver. 2.07	Ver. 1.66.1	Ver. 1.42.02
	B3615902D	B3615901D	G0585921D	G0585922D
1.04	Ver. 2.00.1	Ver. 2.07	Ver. 1.66.1	Ver. 1.42.04
	B3615902D	B3615901D	G0585921D	G0585922D
2.00	*Ver. 3.00*	*Ver. 2.27*	*Ver. 1.77*	*Ver. 2.17*
	B3615902E	*B3615901E*	*G0585921E*	*G0585922F*

Firmware Downloading Procedure:

1. Insert the 4MB IC card containing the firmware into the controller IC card slot. Then, switch on the main power.
2. Select the firmware that you would like to upgrade, then press "Download".
3. After the download has been completed, leave the card in the slot and switch the main power off/on.

Model: Adonis-C2	Date: 22-Oct-01	No.: RB003025

New Changes - Printer

Descriptions	Version
Firmware modified to correct the following: 1. Modified for use with the Capture function. 2. Modified so that the printer controller can detect the individual codes in the data headers of a print job sent with both PCL and PS codes, thereby allowing the machine to switch between the 2 PDL emulations accordingly (PCL/PS). The A-C2 prints each page in its original format, even if contained in the same file. 3. Some German umlaut characters cannot be printed out correctly with the following fonts when using the PCL6 driver on Windows NT4.0/95/98/Me: Albertus Medium, Antique Olive, Humanst521 BT, Zurich BlkEx BT.	*3.00*

New Changes - Scanner

Descriptions	Version

Firmware modified to correct the following:
1. Software changed so that the original can be placed on the exposure glass just as with copying, i.e. there is no need to turn the original upside-down (for both directions).
 	
Ver.2.07(B3615901D)   Ver.2.27(B3615901E)
 	
2. Mixed Original Mode can now be used with the Twain driver ver.3.12. When using this driver, please note the following:
  1. Be sure to use Netfile software ver.2.17 or newer.
  2. Also, be sure to install ADF ROM ver.1.76 or newer, as older versions will cause image stretching along the sub-scan direction with 425dpi and 555-557dpi scanning.
	2.27

Model: Adonis-C2	Date: 22-Oct-01	No.: RB003025

New Changes - NCS (NIB)

Descriptions	Version
Firmware modified to correct the following: 1. When using signature level 2 on a NetWare Server, the printer does not connect to the NetWare Server. 2. The printer cannot print more than one job sent from a CICS application on an IBM Main Frame (e.g. OS/390) when the application uses lpd protocol unique to CICS. 3. The lpd process on the printer is interrupted when lpq/lprm commands with arguments are executed more than 50 times after the printer has been turned on. 4. When trying to access the Web Status Monitor for a printer during printing via the ipp port, the httpd process is occasionally interrupted. 5. When there are several messages displayed, such as error messages after a malfunction, Apple Talk protocol is occasionally interrupted during printing. 6. When the printer is not ready due to an open cover, the message "Printer is not ready" is not indicated in the lpd or stat command. 7. When executing the prnlog command designate job ID 0, no information is indicated. 8. Even when the parameter settings changed by telnet are not successfully written into the NVRAM, no error message is indicated as a command line. 9. The software allows any name to be entered as the computer name for NetBEUI. 10. When printing data with 0 byte by rcp, the NIB does not respond to the waiting client PC. 11. No settings are valid with the install shell of RedHat Linux Ver.7.1.	*1.77*
Change in Specification: 1. Two-byte code characters cannot be entered for a device name. 2. The Job Spool function is available for printing with the combination of firmware Controller System Ver. 5.19.1 and Printer System Ver. 3.00. By turning [Job Spool] ON with SP-5-828-065, a print job can spool into the HDD during printing.	

Model: Adonis-C2	Date: 22-Oct-01	No.: RB003025

NFA (Netfile)

Descriptions	Version
Note: When using scanner firmware B3615901D, NFA firmware version 2.17 or later should be used. Firmware modified to correct the following: 1. The MFP stalls when setting the I/O device from two ScanRouter V2 Professional servers at the same time. 2. When setting the I/O device from ScanRouter V2 Professional, the fax delivery settings sometimes disappear. 3. When a print request is issued from the document server at the MFP or at DeskTopBinder V2 without the correct paper size in the tray, the MFP does not send the error to the operation panel or DeskTopBinder V2, and the MFP does not print the document.	***2.17***
When the machine sends two or more files to the Document Server within 1 second (as when sending backed up files just after the Server recovers), the first 2 documents receive the same filename and the first is therefore erased. The software has been modified so that file naming can be controlled at the ms level, preventing the file from being deleted.	1.42.04
First mass production	1.42.02

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

Subject: Service Card Release History (MFP)	Prepared by: K. Takagi
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 ( )		

This RTB has been issued to announce the firmware release information and downloading procedure for the MFP Service Card. Please refer to each firmware release RTB for details.

MFP Service Card

Version	Program No.	C. SUM	Effective Date
1.02	B0045118A	B37C	April 2001 prod.
1.03	B0045118B	B672	July 2001 prod.
1.04	B0045118C	7C19	July 2001 prod.
2.00	B0045118D	9564	October 2001 prod.
2.01	B0045118E	21D8	January 2002 prod.
2.02	B0045118F	BE38	March 2002 prod.
2.03	B0045118G	BC62	June 2002 prod.
2.04	B0045118H	8200	August 2002 prod.
2.05	B0045118J	CAB0	October 2002 prod.
2.07	***B0045118K***	***A077***	***November 2002 prod.***

Contents

Version	Programs/Versions			
	Printer	Scanner	NCS (NIB)	NFA (Netfile)
1.02	Ver. 1.36	Ver. 2.07	Ver. 1.66.1	Ver. 1.42.02
	B3615902	B3615901D	G0585921D	G0585922D
1.03	Ver. 2.00.1	Ver. 2.07	Ver. 1.66.1	Ver. 1.42.02
	B3615902D	B3615901D	G0585921D	G0585922D
1.04	Ver. 2.00.1	Ver. 2.07	Ver. 1.66.1	Ver. 1.42.04
	B3615902D	B3615901D	G0585921D	G0585922D
2.00	Ver. 3.00	Ver. 2.27	Ver. 1.77	Ver. 2.17
	B3615902E	B3615901E	G0585921E	G0585922F
2.01	Ver. 3.02	Ver. 2.27	Ver. 1.77	Ver. 2.17
	B3615902F	B3615901E	G0585921E	G0585922F
2.02	Ver. 3.05	Ver. 2.27	Ver. 1.79	Ver. 2.19
	B3615902G	B3615901E	G0585921F	G0585922G
2.03	Ver. 3.08	Ver. 2.27	Ver. 1.79	Ver. 2.19
	B3615902H	B3615901E	G0585921F	G0585922G
2.04	Ver. 3.08	Ver. 2.27	Ver. 1.81	Ver. 2.19
	B3615902H	B3615901E	G0585921G	G0585922G
2.05	Ver. 3.09	Ver. 2.27	Ver. 1.81	Ver. 2.19
	B3615902J	B3615901E	G0585921G	G0585922G
2.07	Ver. 3.09	Ver. 2.27	***Ver. 1.82***	Ver. 2.19

Model: Adonis-C2		Date: 19-Dec-02	No.: RB003043

	B3615902J	B3615901E	*G0585921H*	G0585922G

Firmware Downloading Procedure:

1. Insert the 4MB IC card containing the firmware into the controller IC card slot. Then, switch ON the main power.
2. Select the firmware that you would like to upgrade, then press "Download".
3. After the download has been completed, leave the card in the slot and switch the main power OFF/ON.

Printer

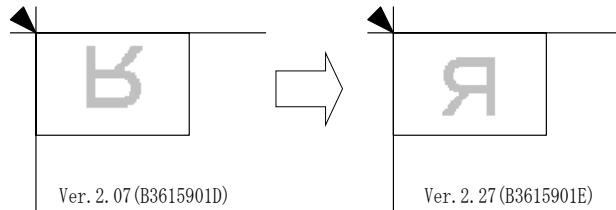| Descriptions	Version
Firmware modified to correct the following: 1. Line spacing command "IochEsc&l#D"Ioch causes incorrect output. (GFPR# RC02050002) 2. Euro currency symbol is not printed when using the PS driver (refer to RTB #RGENE011 for workaround). 3. Slow Printing from AutoCAD (GFPR# RC02070001) 4. Bold may not work on some TrueType fonts. 5. With some bolded fonts, text characters appear too thick, removing the fine detail. 6. When using bold fonts, short lines may appear around text characters. 7. PJL Echo does not respond correctly. (GFPR# RE02070088) 8. PS print file is printed as text (GFPR# RE02040013). 9. CAD print files: - Increased the number of available pen selections from 8 to 256 when BitSw #3-3 is ON (GFPR# RE02030003). - Modified so that the "null" character is ignored when it is included in HP/GL2 data to increase speed (GFPR# RE02050016). - The status flag for the bold selection command is refreshed when it is selected for HP/GL2 data (GFPR# RE02050016).	3.09
Firmware modified to correct the following: The "XL ERROR" occurs when specifying symbol sets SETvmath (6M), SETvint (13J) and SETvus (14J) -- which are not supported in PCLXL. Change in Specification: PCL6: Added symbol sets PC-858, Latin 9 and Roman 9 for display of the Euro currency symbol.	3.08

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

Descriptions	Version
Firmware modified to correct the following: 1. When the undefined command, "<ESC>&k#w" is received, it appears on the output as a character string [e.g. as "<ESC>&k6w"]. 2. The punch error is logged in the error report whenever feeding from the Bypass Tray under any print job conditions (even when not using the punch unit). 3. When Letterhead is selected as the paper type for the Bypass tray, the tray icon on the operation panel displays a "2", indicating that Duplex copies can be made (not permissible by specification). 4. When printing in duplex, the last odd page is printed on the reverse side of the last sheet (see FPR reply #OTS-01-2651 of #RE01060006 for details). Change in Specification: 1. Supports the Status Readback function of the PCL5e. 2. PCL5e: Added symbol sets PC-858, Latin 9 and Roman 9 for display of the EURO currency symbol.	3.05
Firmware modified to correct the following: 1. A print job received when the machine switches from On to Off Mode may not be printed out. 2. After deleting a locked print document, it is possible to press the delete button without selecting any other locked print documents. 3. The operation panel may flicker slightly after the operator performs settings in the Printer Features window very quickly (i.e. window is open for a very short time).	3.02
Firmware modified to correct the following: 1. Modified for use with the Capture function. 2. Modified so that the printer controller can detect the individual codes in the data headers of a print job sent with both PCL and PS codes, thereby allowing the machine to switch between the 2 PDL emulations accordingly (PCL/PS). The A-C2 prints each page in its original format, even if contained in the same file. 3. Some German umlaut characters cannot be printed out correctly with the following fonts when using the PCL6 driver on Windows NT4.0/95/ 98/Me: Albertus Medium, Antique Olive, Humanst521 BT, Zurich BlkEx BT.	3.00
Change in Specification: (Module added for China/Taiwan version).	2.00.1
Firmware modified to correct the following: 1. The machine sometimes freezes after pressing the Offline key while the data is being printed out (PCL). 2. The machine sometimes freezes while downloading PCL fonts. 3. The machine sometimes does not re-start printing after the paper is removed from the output tray following an overflow. 4. The machine sometimes freezes when both Stapling and Punching have been selected from the driver for a paper size with which neither function is permitted.	1.36

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

Descriptions	Version
Firmware modified to correct the following: 1. The machine could not be used with Axis print servers. 2. Part of print data (frame) could not be printed during Custom size printing in PCL 6.	1.35
First mass production	1.34

Scanner

Descriptions	Version

Firmware modified to correct the following:
1. Software changed so that the original can be placed on the exposure glass just as with copying, i.e. there is no need to turn the original upside-down (for <u>both</u> directions).
 	
Ver. 2. 07 (B3615901D)   Ver. 2. 27 (B3615901E)
 	
2. Mixed Original Mode can now be used with the Twain driver ver.3.12. When using this driver, please note the following:
  1. Be sure to use Netfile software ver.2.17 or newer.
  2. Also, be sure to install ADF ROM ver.1.76 or newer, as older versions will cause image stretching along the sub-scan direction with 425dpi and 555-557dpi scanning.
	2.27

Firmware modified to correct the following: 1. The mainframe stalls if it receives the command to store a document while in the process of deleting another document. Application used: Desktop Binder V2.	2.07
First mass production	2.05

RI**C**O**H**

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

NCS (NIB)

Descriptions	Version
Change in Specification: ***1. Changed the default setting of DHCP to ON.*** ***Note: When upgrading to this version, the DHCP setting will only change to ON if it is manually set or a factory default clear is performed after update.*** ***2. TCP ports can be opened/closed.*** ***Note: After performing the setting to disable HTTP, it is not possible to access the target device through the web browser. To change this setting, use telnet to open HTTP. When the telnet port is disabled, it is necessary to clear the network settings (Memory Clear for NCS) to open the telnet port.***	***1.82***
The following items have been fixed: 1. The controller freezes if disconnected while data containing the Readback command is being printed out with ftp/rsh. 2. Display corrected for when the operator tries to execute Spool Printing Job List with SmartNetMonitor for Admin on the A-C2/R-C2: Previous: "Spool printing is not available. Active spool printing from the device or related software" New: "Error 404" 3. The Fax Management Tool cannot be used while any of the NIB setting(s) are being changed. 4. The parameters of sysLocation and sysContact cannot be set correctly using the snmp command with telnet. 5. The controller freezes when a non-existent file is specified for rcp transmission. 6. Cannot connect to Novel NDS (GFPR #RC02010007): The nearest NetWare Server informs the NIB of the alternate NetWare Server address, where the NDS replica is stored, however the NIB is unable to interpret the message. Change in Specification: 1. SNMP vulnerability SNMP security vulnerabilities reported by CERT on Feb.12, 2002 has been tested using the PROTOS c06-snmpv1 test suite and we have verified the fixes. -CERT: http://www.cert.org/advisories/CA-2002-03.html -PROTOS c06-snmpv1 test suite : http://www.ee.oulu.fi/research/ouspg/protos/testing/c06/snmpv1/ 2. Some reserved (unused) TCP ports that were open have been closed, e.g. FTP.	1.81

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

Descriptions	Version
Firmware modified to correct the following: 1. No error message is displayed in Netscape Navigator even when an incorrect URL is input in the address bar. 2. Up to 32 characters can be input in the NetBEUI configuration screen Comment box, even though specification is 31 characters maximum. 3. The PS status cannot be displayed using the "stat" command (lpq command for lpr). 4. If Trap is selected for the Access Type in the SNMP Configuration screen during the snmpd process, communication may be cut off. 5. The NIB does not respond to the "lprm –" command (root directory) from a FreeBSD host computer. 6. If an undefined remote printer number is input in the Netware configuration page, communication between the NIB and Netware Server will be cut off. Change in Specification: 1. Two or more print queues can be attached to a single printer object (for further details, refer to TechMail RC010430). 2. TCP Ports 11021 and 11023 (Design use) have been closed.	1.79
Firmware modified to correct the following: 1. When using signature level 2 on the NetWare Server, the printer does not connect to the NetWare Server. 2. The printer cannot print more than one job sent from a CICS application on an IBM Main Frame (e.g. OS/390) when the application uses lpd protocol unique to CICS. 3. The lpd process on the printer is interrupted when lpq/lprm commands with arguments are executed more than 50 times after the printer has been turned on. 4. When trying to access the Web Status Monitor for a printer during printing via the ipp port, the httpd process is occasionally interrupted. 5. When there are several messages displayed, such as error messages after a malfunction, Apple Talk protocol is occasionally interrupted during printing. 6. When the printer is not ready due to an open cover, the message "Printer is not ready" is not indicated in lpd or stat command. 7. When executing the prnlog command designate job ID 0, no information is indicated. 8. Even when the parameter settings changed by telnet are not successfully written into the NVRAM, no error message is indicated as a command line. 9. The software allows any name to be entered as the computer name for NetBEUI. 10. When printing data with 0 byte by rcp, the NIB does not respond to the waiting client PC. 11. No settings are valid with the install shell of RedHat Linux Ver.7.1.	1.77

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

Descriptions	Version
Change in Specification: 1. 2-byte code characters cannot be entered for a device name.	
Firmware modified to correct the following: 1. After a communication failure breaks the connection between the NIB and Network Twain driver, the driver is unable to re-establish connection (unless the A-C2 is powered Off/On). 2. When 80000000(H) or more is registered in the Manager IPX Address 2 (Web Status Monitor), the setting is changed to an unspecified one. 3. If several print jobs are sent one after another to the NIB via the IPP port of SmartNetMonitor for Client, the NIB terminates printing. (Also, a print job sent by the standard IPP port may be canceled). 4. The USTATUS information may be lost, depending on when the USTATUS is sent during bi-directional communication over TCP/IP port 9100. 5. With bi-directional communication enabled for TCP port 9100, printing operation is inhibited after data is sent from an application utility that does not support bi-directional communication (e.g. Port Navi, MDP). 6. The IP address 0.0.0.0 can be set by the ifconfig command. 7. The wording of the message for saving data at logoff was corrected from "datas" to "data".	1.66
Change in Specification: 1. Information such as the IP address and printing protocol (Client PCs) was added to the syslog file for access restriction. 2. The display width for the ID of the prnlog command with telnet, rsh, and ftp was expanded from 2 to 10 digits.	
First mass production	1.61

NFA (Netfile)

Descriptions	Version
Minor program changes for Japanese model only.	2.19
Note: When using scanner firmware B3615901D, NFA firmware version 2.17 or later should be used. Firmware modified to correct the following: 1. The MFP stalls when setting the I/O device from two ScanRouter V2 Professional servers at the same time. 2. When setting the I/O device from ScanRouter V2 Professional, the fax delivery settings sometimes disappear. 3. When a print request is issued from the Document server at the MFP or the DeskTopBinder V2 without the correct paper size in the tray, the MFP does not send the error to the operation panel or DeskTopBinder V2, and the MFP does not print the document.	2.17
When the machine sends 2 or more files to the Document Server within 1 second (as when sending backed up files just after the Server recovers), the first 2 documents receive the same filename and the first is therefore erased.	1.42.04

Model: Adonis-C2	Date: 19-Dec-02	No.: RB003043

The software has been modified so that file naming can be controlled at the ms level, preventing the file from being deleted.	
First mass production	1.42.02