| Model: AD1-E (Printer Controller) | | Date: 30-Jun-97 | No: 33 |
|---|---|---|---|
| Subject: AD1-E Printer Controller Launching | | Prepared by: A.Nakajima | |
| From: QAC 2nd Field Information Dept. | | | |

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

The new Printer Controller is going to be issued as an optional device for the AD1-E copier.
This RTB clarifies the differences between the printer controller for AD1 and AD1-E.

The new printer controller has been developed as an optional device for AD1-E by changing the video clock and the firmware of the AD1 controller. In addition to the AD1 printer controller, the AD1-E controller supports paper feeding from the LCT. Supported paper sizes fed from the LCT in printer mode are 8 1/2" x 11" (L) and A4 (L).
The controllers for AD1 and AD1-E are not interchangeable, though both of them can be physically installed on either copier. If the AD1 controller is installed in the AD1-E
(or the opposite way round), abnormally enlarged (or reduced) print images may result.
The service procedures; e.g. installation, troubleshooting, are the same as for the AD1 controller.

The other optional devices and software related to the printer controller (Printer Hard Disk, Network Interface Card, Printer Drivers, and Utilities) can be used in both machines.

Summary of Differences

| Item | AD1 Controller | AD1-E Controller |
|---|---|---|
| Model Code | A643 | A805 |
| Maximum Print Speed | 20 ppm | 25 ppm |
| Firmware | Unique | Unique |
| Video Clock | 62.616 MHz | 79.314 MHz |
| LCT Feeding | Not supported (Note 1) | Supported |

Note 1:
The LCT can be selected with the printer driver, though it cannot be installed on the machine. This is because the AD1 and AD1-E printer controllers use the same driver. If a user selects the LCT with the driver, paper will be fed from the default tray.

## MB Correction

Reissue date: **30-Nov-97**

The items in bold italic have been corrected or added.

| Model: AD1-Printer Type 250 | | Date: 23-Jul-97 | No: 35B |
|---|---|---|---|
| Subject: Firmware and Software History | | Prepared by: K.Ugaeri | |
| From: QAC Field Information Dept. | | | |
| Classification: | ☐ Troubleshooting<br>☐ Mechanical<br>☐ Paper path<br>☐ Other (    ) | ☐ Part information<br>☐ Electrical<br>☐ Transmit/receive | ☐ Action required<br>☐ Service manual revision<br>☒ Retrofit information |

A. Firmware for Controller Type 250.

1. History and Checksum List.

| Ver | Check Sum | | Released on |
|---|---|---|---|
| | U23 | U24 | |
| **1.35** | **3301** | **1D08** | **'97.9.30** |
| **1.32** | **8FD5** | **3EFD** | **'97.8.26** |
| 1.26 | 3EC3 | 64E8 | '97.6.10 |
| (1.24) | F38F | AC48 | Temporary ('97.5.28) |
| (1.21) | 7A04 | AC4F | Temporary ('97.5.20) |
| 1.08 | 59BA | F0C2 | '97.4.2 |
| 1.07 | 901F | 6D97 | '97.2.2 |
| 1.06 | 5DAD | 1E45 | '96.12.17 |
| 1.03 | | | 1st Mass Prod. ('96.12.5) |

2. Corrected Symptom

| | Ver. |
|---|---|
| *When printing a banner page in a staple job, the banner page is printed incorrectly.* | *1.35* |
| *Resource saving on the test page indicate "1219 kbytes allocated of 1219 kbytes available." It should be "0 Kbytes allocated of ..."* | |
| *When printing in Raster mode with custom paper size setting, output is incorrect.* | |
| *The Line Per Page setting value in the PCL menu was changed after power was switched off/on.* | *1.32* |
| *While data is in the print queue, if you press the Job Reset key, some problems may occur.* | |
| *While data is in the print queue, either Memory Overflow or Lock Up occured. (Acrobat, Page Maker)* | |
| *After printing 300 dpi data, only half of the 600 dpi data is printed out,.* | |
| *Image cut off if the previous job was printed using long edge feed (300 dpi) and the current job is printed with short edge feed (300 dpi).* | |
| *After printing data for a small paper size, if you print data for a bigger paper size, only data to fill the previous pape size is printed out.* | |

| Model: AD1-Printer Type 250 | Date: 23-Jul-97 | No: 35B |
|---|---|---|

| | Ver. |
|---|---|
| ***After printing a job using staple mode, if sending another job which changed the Page Protection Mode from the previous job's setting, sometimes it does not work, and the data stays in the print queue.*** | ***1.32*** |
| ***When setting User Code, if you send data to print while the LCD shows "Input user code...", it does not work without pressing the offline / online key even if you input the User Code.*** | |
| Side-to-side motion of the finisher does not work in the energy save and night timer mode. | 1.26 |
| The demo page cannot be printed. (∗This is a problem only for version 1.24) | |
| *Lock Up* occurs occasionally while the printing data is being stored on the HDD due to a sector control failure. | |
| *Lock-up* when the job reset button is pressed during data storage. | (1.24) |
| The finisher is supported. | (1.21) |
| Print overrun because of access time to HDD.<br>The band buffer is increased from 660KB to 4MB.<br>∗∗ If the controller has a HDD, more than 4MB of SIMM memory must be added. | |
| General Protection Fault during Landscape Printing in Raster mode. | |
| ***Output*** of a Genoa FTS file is different from that of HP ( ∗∗Genoa FTS file). | 1.08 |
| Page ordering is wrong.<br>(∗∗ For duplex printing, interleave on, and interrupt copying) | |
| The printer hangs up when printing word data with lines shaded with colors as HP/GL.<br>(∗ Duplex printing, HP/GL mode and colored lines) | 1.07 |
| Paper jam in Duplex mode when an A4 size page is printed on A3 paper. | |

## B. Driver Software for Win 3.1/Win 95
### 1. History List

| Ver | Released on |
|---|---|
| **_2.00_** | **_'97.7.9_** |
| 1.30 | '97.5.19 |
| 1.21 | '97.4.2 |
| 1.10 | '97.2.2 |
| 1.00 | 1st Mass Prod.('96.12.5) |

### 2. Corrected Symptom

| | Ver. |
|---|---|
| 1) Even if setting True Type Mode to " Down Load as True Type ", it **is** output as a bit image.<br>2) When printing Hound.doc with Win 3.1, a part of the Univers Font was printed incorrectly.<br>3) When setting B5 Env.in the Bypass Tray, WinPanel shows "Add F4 paper into Bypass Tray."<br>4) When installing Win95 driver by Add Printer, the help File was not installed. | 2.00 |
| The finisher is supported. | 1.30 |
| In Raster mode, a part of the graphic data cannot be printed correctly. | 1.21 |
| Power Point for Windows 95 cannot print raster Images. | 1.10 |

## C. Host Panel for DOS

### 1.History List

| Ver | Released on |
|---|---|
| 1.02 | '97.5.25 |
| 1.01 | '97.4.2 |
| 1.00 | 1st Mass Prod. ('96.12.5) |

### 2. Corrected Symptom
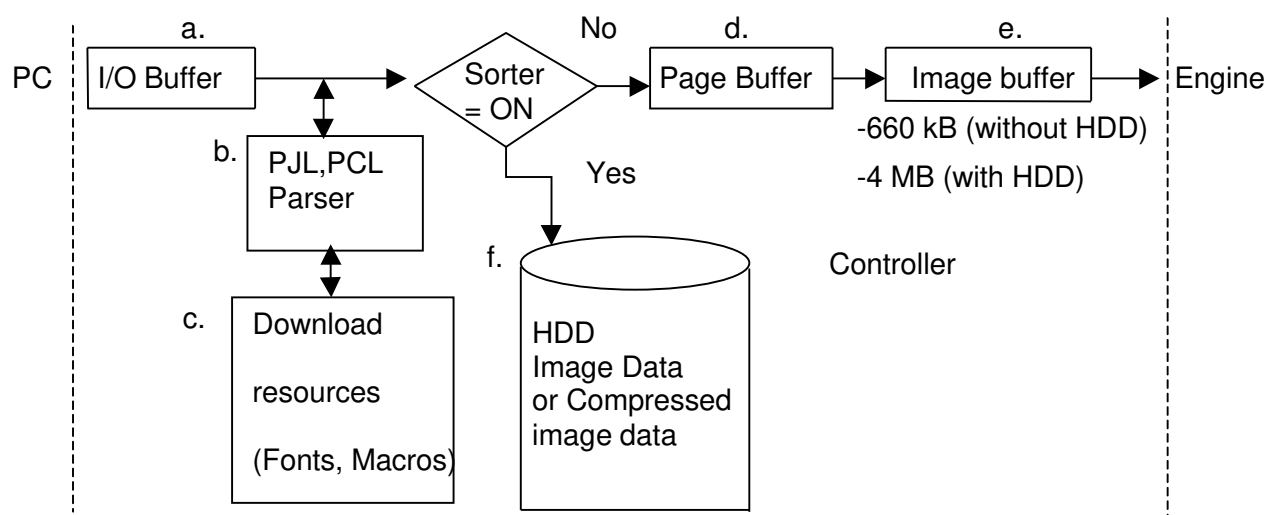
| | Ver. |
|---|---|
| Profile which has the Host Panel setting information in Duplex mode cannot be opened correctly. | 1.02 |
| TBA ( To Be Announced ) | 1.01 |

| Model: AD1-Printer Controller Type 250 | Date: 23-Jul-97 | No: 37 |
|---|---|---|
| Subject: Print Overrun Memory Overflow Problem | Prepared by: K.Ugaeri | |
| From: QAC 2nd Field Information Dept. | | |

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

This RTB reports the mechanism & countermeasure for the Print Overrun problem and the Memory Overflow problem in the printer controller type 250.

1. Data flow in the controller unit



  a. I/O Buffer for receiving and sending data.

  b. Stores the operation language software (such as PCL and PJL).

  c. Manages downloaded resources (such as Fonts and Macros).

  d. Holds and processes data from incoming print jobs.

  e. Image video buffer for sending video data to the engine to print.

  f. *When the HDD is installed, it is used only for the sorting function.

    If the sorting function is selected, the data is stored in the HDD.

    *With HDD, the SIMM memory must be more than 4MB from Ver.1.21 firmware.

2. Memory Overflow Mechanism

This means that there was not enough printer memory for the language requested for the print job.

If the user sends a print job which will use lots of memory, it might cause a memory overflow.  Memory overflow might happen at points b, c, and d above. When memory overflow happens and the user presses the continue key, the printer prints only part of the page. This problem can be solved by adding SIMM memory (8 MB or more).

3. Print Overrun Mechanism

This means that the data sent to the printer was too complex. It will happen only while printing the data (preparing image data and sending image data to the engine at the same time). If the print job is so complex that the printer cannot complete the image for the engine, then print overrun will happen.

- Case 1: HDD Access Time -

This happens if the data takes too long to move because of the limit on HDD access time. This problem with the HDD can be solved by updating the firmware to version 1.21 or later and adding SIMM memory (more than 4 MB). The printer will allocate 4 MB for the image buffer (point e in the diagram) if the HDD is installed with firmware version 1.21 or later. After all the pages of one job are stored on the hard disk, the printer will move the image data from the hard disk to the image buffer until the image buffer is used up, and then it will tell the engine to start. Paper sizes smaller than A4 or LT should not have this problem.

- Case 2: HDD Reading Error -

This happens if there is an error when reading from the HDD. Vibrations from the duplex unit may cause this problem. To alleviate the problem, the  HDD bracket has been modified with four rubber cushions. When the HDD is installed on the controller, use new brackets to protect the HDD from reading errors caused by vibration. ROJ will provide new brackets for all HDDs which were shipped with old brackets.

| Model: AD1-Printer Controller Type 250 | Date: 23-Jul-97 | No: 37 |
|---|---|---|

- Case 3: HDD sector control failure -

The sector information is controlled by the firmware. But this information is occasionally damaged by a firmware bug and this problem or a hang-up problem happens. This problem has been solved by the firmware version 1.26.

->If the finisher and the HDD are installed on the printer, use the following:

    * Firmware version 1.26

    * Driver version 1.30

    * New HDD bracket

# RICOH Technical Bulletin

| Model: AD-1Printer Controller Type 250 | Date: 5-Sep-97 | No: 38 |
|---|---|---|
| Subject: New models | Prepared by: K.Ugaeri | |
| From: QAC 2nd Field Information Dept. | | |

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

The AD1 Printer Type 250 Controllers corresponding to the finisher have been newly launched. These models includes the firmwave version 1.26 and the driver version 2.00.

The new product codes are:

For USA

1. A643-07 for Ricoh (Previous model : A643-00)
2. A643-17 for Gestetner (Previous model : A643-10)
3. A643-18 for Savin (Previous model : A643-20)
4. A643-19 for Lanier (Previous model : A643-30)


For Europe

5. A643-08 ALL Previous models: A643-01


When installing a controller on an AD-1 with a finisher, use these models.


Note: The previous models also can be used by changing the firmware to ver 1.26 or higher, and the driver to ver 2.00 or higher.

| Model: AD1-Printer Controller Type250 | Date: 5-Sep-97 | No: 39 |
|---|---|---|
| Subject: All Black Printout | Prepared by: K.Ugaeri | |
| From: QAC 1st Field Information Dept. | | |

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

## SYMPTOM

All black printout in copy, fax, and printer mode.

## CAUSE

Defective controller board; the image data signal from the controller is a constant " Low " (black).

The data signals from copy, fax, and the printer go through same OR processing, so all printed images become black.

## SOLUTION

Change the controller board.

| Model: Printer Controller Type 250 (HDD Option) | Date: 17-Oct-97 | No: 43 |
|---|---|---|
| Subject: HDD Bracket for AD1 printer controller | Prepared by: K.Ugaeri | |
| From: QAC Field Information Dept. | | |

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

The HDD bracket has been modified for the print-overrun problem caused by vibration from the duplex unit (refer to RTB37). These new brackets have been available from June production in 1997 (the cut-in serial number is A7327060001-)

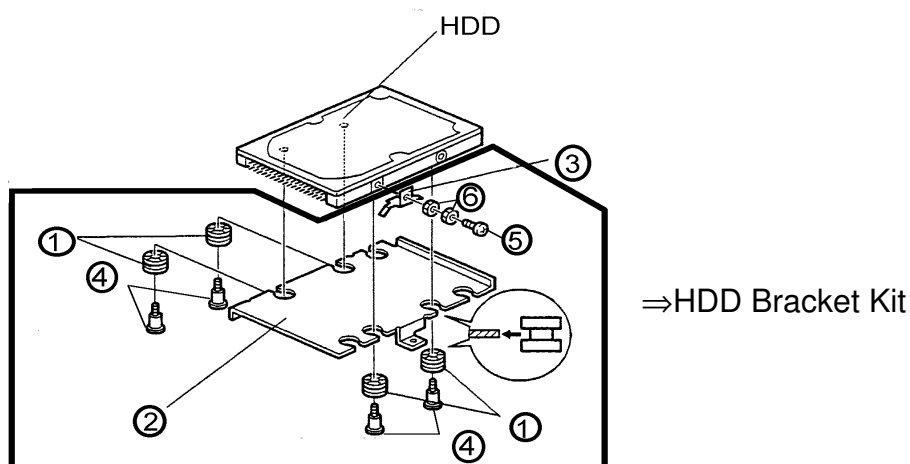Ricoh has prepared and sent the following Q'ty of the new bracket kits for the old HDD in the field.

> Europe  1176 sets
> USA       1194 sets
> Asia       119  sets

  *Kit number : A6439900 HDD Bracket Kit
          This kit consists of the following parts.

| | | |
|---|---|---|
| ① AA161125  Bushing – HDD | 4 pcs |
| ② A1935840  HDD Bracket | 1 pc |
| ③ A1935842  Grounding plate – HDD | 1 pc |
| ④ A1935843  Stepped Screw | 4 pcs |
| ⑤ 03130050B Philips Pan Head Screw - M3x5 | 1 pc |
| ⑥ 07120030W Nut -M3 | 2 pcs |
| A6438612  Instruction Guide | 1 sheet |

If you have the print overrun problem on an AD1 with a duplex unit or when you visit a customer whose machine has the old HDD bracket, please change the bracket to a new type.



⇒HDD Bracket Kit

## Printer Hard Disk Type 250
## (Machine Code: A643)
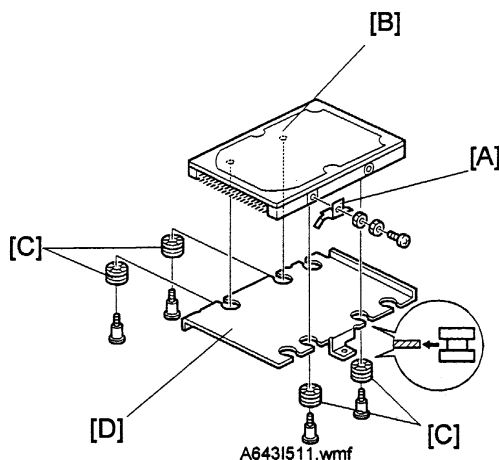## INSTALLATION PROCEDURE
## For Machine Code: A193 and A224 Copiers

THIS OPTION MUST BE INSTALLED BY A CUSTOMER SERVICE
REPRESENTATIVE WHO HAS COMPLETED THE TRAINING COURSE ON
THE BASE COPIER AND THIS OPTION.

| ⚠CAUTION |
| --- |
| Before installing an optional unit, do the following:<br>　1. If the FAX unit is installed, print out all messages stored in the<br>　　memory, the lists of user-programmed items, and the system<br>　　parameter list.<br>　2. Turn off the main and the ac switches, and disconnect the power cord. |

**NOTE:** • If the printer controller is already installed, remove the printer
controller before attempting to install the printer hard disk.

　　　• At least 6MB of memory are required on the printer controller for
hard disk installation.
If insufficient memory is installed in the printer controller, "Add
memory 4MB or more," will be displayed.



A643I511.wmf

1. Attach the grounding plate [A] to the hard disk drive [B]. (1 screw, 2 nuts)

2. Attach the four rubber bushings [C] to the bracket [D], as shown.

3. Install the hard disk onto the bracket assembly (4 stepped screws).
　　**Note:** Ensure the grounding plate feet are in contact with the bracket.

**Part No. A6438612B**

| Model: Printer Controller Type 250/251 | | Date: 15-Nov-97 | No: 44 |
|---|---|---|---|
| Subject: ADAM/ADAM-E Printer Limitations | | Prepared by: S.Tomoe | |
| From: QAC Field Information Dept. | | | |
| Classification: | ☐ Troubleshooting<br>☐ Mechanical<br>☐ Paper path<br>☒ Other (        ) | ☐ Part information<br>☐ Electrical<br>☐ Transmit/receive | ☐ Action required<br>☐ Service manual revision<br>☐ Retrofit information |

The limitations of the ADAM/ADAM-E printer controller are as shown below.

ADAM/ADAM-E printer controller limitations

| No | Description | Recommendations/<br>Countermeasures | Note |
|---|---|---|---|
| 1 | There is no close button (X icon) at the upper-right corner of the task bar to close the printer properties window in the Print Setup menu. | * Press "OK" or "Cancel" button to close the printer properties window.<br>* Click anywhere on the task bar , the close button (X icon) will appear at the right corner of the task bar. | |
| 2 | When a jam occurs in the Finisher at W1 or W2, the jam position is indicated in both WinPanel and the operation panel display only with W and does not specify whether it is W1 or W2. | Check both W1 and W2 when there is a jam at the W position in the finisher. | ADAM can recognize a jam at only the W position at W1 or W2 in the finisher. |
| 3 | WinPanel does not indicate the Toner Near End status. | | "Add Toner" is shown on the WinPanel when toner ends. |
| 4 | If you perform initialization to format the Hard Disk while Data is coming in (when the Data-in indicator is blinking), the ADAM-E printer hangs up. | Format the Hard Disk while the printer is idle (no data in the buffer). | It is generally regarded as not possible to initialize the HDD while data is coming in. |
| 5 | When you print a Photoshop file and if you choose "draft print" in the Photoshop application print setup window, blank page(s) will be printed. | Print the file using the "High", "Mid" or "Low" print quality setting in the Photoshop printer setup window. Do not choose "draft print". | The ADAM-E Printer Driver does not support "draft print" in the Photoshop application. |
| 6 | While printing (data in buffer to print job), if you take the printer off-line and try to print a PCL font list, the printer hangs up. | Print the PCL fonts list while the printer is idle (no data in buffer). | It is generally regarded as not possible to print Printer Fonts while printing a job. |

| Model: Printer Controller Type 250/251 | Date: 15-Nov-97 | No: 44 |
|---|---|---|

| No | Description | Recommendations/ Countermeasures | Note |
|---|---|---|---|
| 7 | When you print with "Graphic Mode: Raster + Graphic Quality: Mid or Low", Freehand 5.0 files cannot be printed properly.  Only a part of the image gets printed and the rest of the image is missing. | Print with Graphic Quality: High. | The limitation is unique for Freehand 5.0 and occurs with HP 5si as well.  With Freehand 7.0, there is no such limitation.  The default setting of the printer driver is "High". |
| 8 | When you print a Pagemaker file with "Graphic Mode: Raster + Graphic Quality: Mid or low" setting, rotated text cannot be printed properly. | Print with Graphic Quality: High. | The default setting of the printer driver is "High". |
| 9 | When you print a Pagemaker file using Windows 3.1 with "Graphic Mode: Raster + Graphic Quality: High, Mid or low", you will get horizontal black lines on photographic images. | Print with Graphic Mode: HP/GL. | |
| 10 | More than one set of Acrobat 2.0 files cannot be printed. | Upgrade Acrobat 2.0 to 3.0. | The limitation is unique for Acrobat 2.0.  With Acrobat 3.0, there is no such limitation. |

| Model: AD1E-Printer Type 251 | Date: 30-Nov-97 | No: 45 |
|---|---|---|
| Subject: Firmware and Software History | Prepared by: K.Ugaeri | |
| From: QAC Field Information Dept. | | |

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

## A. Firmware for Controller Type 251.
## 1. History and checksum List.

| Ver | Check Sum | | Released on |
|---|---|---|---|
| | U23 | U24 | |
| 5.13 | DB12 | A541 | '97.9.30 |
| 5.09 | 0E06 | D22F | '97.8.26 |
| 5.04 | | | 1st Mass Prod. |

## 2.Corrected Symptoms

| | Ver. |
|---|---|
| When printing a banner page in a staple job, the banner page is printed incorrectly. | 5.13 |
| Resource saving on the test page indicates "1219 kbytes allocated of 1219 Kbytes available." <br> It should be "0 kbytes allocated of ..." | |
| When printing with raster mode and custom paper size setting, output is incorrect. | |
| After printing a job using staple mode, if sending another job which changed the Page Protection Mode from the previous job's setting, sometimes it does not work, and the data stays in the print queue. | 5.09 |
| When setting a User Code, if you send data to print while the LCD shows "Input user code...", it does not work without pressing the offline / online key even if you input the User Code. | |

## B. Driver Software for Win 3.1/Win 95

## 1. History List

| Ver | Released on |
|------|-------------|
| 2.00 | 1st Mass Prod. |

## C. Host Panel for DOS

## 1. History List

| Ver | Released on |
|------|-------------|
| 1.02 | 1st Mass Prod. |

# Technical Bulletin

**RTB Correction**

Reissue date: **15-Feb-98**

The items in bold italic have been corrected or added.

| Model: AD1-Printer Type 250 | Date: 23-Jul-97 | No: 35C |
|---|---|---|
| Subject: Firmware and Software History | Prepared by: K.Ugaeri | |
| From: QAC Field Information Dept. | | |

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

A. Firmware for Controller Type 250.

1. History and Checksum List.

| Ver | Check Sum | | Released on |
|---|---|---|---|
| | U23 | U24 | |
| *1.37* | *C722* | *1E0C* | *'97.12.17* |
| 1.35 | 3301 | 1D08 | '97.9.30 |
| 1.32 | 8FD5 | 3EFD | '97.8.26 |
| 1.26 | 3EC3 | 64E8 | '97.6.10 |
| (1.24) | F38F | AC48 | Temporary ('97.5.28) |
| (1.21) | 7A04 | AC4F | Temporary ('97.5.20) |
| 1.08 | 59BA | F0C2 | '97.4.2 |
| 1.07 | 901F | 6D97 | '97.2.2 |
| 1.06 | 5DAD | 1E45 | '96.12.17 |
| 1.03 | | | 1st Mass Prod. ('96.12.5) |

2. Corrected Symptom

| | Ver. |
|---|---|
| ***In the Dutch version, the expressions of "On" and "Off" are incorrect.*** | ***1.37*** |
| When printing a banner page in a staple job, the banner page is printed incorrectly. | 1.35 |
| Resource saving on the test page indicates "1219 kbytes allocated of 1219 kbytes available." It should be "0 Kbytes allocated of ..." | |
| When printing in Raster mode with custom paper size setting, output is incorrect. | |
| The Line Per Page setting value in the PCL menu was changed after power was switched off/on. | 1.32 |
| ***While data is in the print queue,*** if you press the Job Reset key, some problems may occur. | |
| ***While data is in the print queue***, either Memory Overflow or Lock Up occured. (Acrobat, Page Maker) | |
| After printing 300 dpi data, only half of the 600 dpi data is printed out,. | |
| Image cut off if the previous job was printed using long edge feed (300 dpi) and the current job is printed with short edge feed (300 dpi). | |
| After printing data for a small paper size, if you print data for a bigger paper size, only data to fill the previous paper size is printed out. | |

| Model: AD1-Printer Type 250 | Date: 23-Jul-97 | No: 35C |
|---|---|---|

| | Ver. |
|---|---|
| ***After printing a job using staple mode, if sending another job which changed the Page Protection Mode from the previous job's setting, sometimes it does not work, and the data stays in the print queue.*** | 1.32 |
| When setting User Code, if you send data to print while the LCD shows "Input user code...", it does not work without pressing the offline / online key even if you input the User Code. | |
| Side-to-side motion of the finisher does not work in the energy save and night timer mode. | 1.26 |
| The demo page cannot be printed. (∗This is a problem only for version 1.24) | |
| Lock-up occurs occasionally while the printing data is being stored on the HDD due to a sector control failure. | |
| Lock-up when the job reset button is pressed during data storage. | (1.24) |
| The finisher is supported. | (1.21) |
| Print overrun because of access time to HDD.<br>The band buffer is increased from 660KB to 4MB.<br>∗∗ If the controller has a HDD, more than 4MB of SIMM memory must be added. | |
| General Protection Fault during Landscape Printing in Raster mode. | |
| Output of a Genoa FTS file is different from that of HP ( ∗∗Genoa FTS file). | 1.08 |
| Page ordering is wrong.<br>(∗∗ For duplex printing, interleave on, and interrupt copying) | |
| The printer hangs up when printing word data with lines shaded with colours as HP/GL.<br>(∗ Duplex printing, HP/GL mode and coloured lines) | 1.07 |
| Paper jam in Duplex mode when an A4 size page is printed on A3 paper. | |

| Model: AD1-Printer Type 250 | Date: 23-Jul-97 | No: 35C |
|---|---|---|

B. Driver Software for Win 3.1/Win 95

1. History List

| Ver | Released on |
|---|---|
| *2.11* | *'97.12.17* |
| 2.00 | '97.7.9 |
| 1.30 | '97.5.19 |
| 1.21 | '97.4.2 |
| 1.10 | '97.2.2 |
| 1.00 | 1st Mass Prod.('96.12.5) |

2. Corrected Symptoms

| | Ver. |
|---|---|
| *1) When you set Lines Per Page to a small value and print Landscape data, the top margin will be shifted down.*<br>*2) PageMaker 6.5 and Word Perfect 8.0, duplex setting is disabled (grayed out) in the application's setting boxes.*<br>*3) Help file*<br>　*(1) The wording "External Tray (F/U)" has been deleted.  This may confuse users who don't understand that External Tray and External Tray (F/U) are the same thing.*<br>　*(2) In the Staple section, the first sentence contains a mistake.*<br>　*(3) In the Printer Memory section, it says that the printer self test page shows the memory size in KB.  The test page actually shows it in MB.*<br>*4) The default setting of Page Protect is changed from On to Auto.*<br>*5) A driver installation error occurs when you install using Add Printer.* | *2.11* |
| 1) Even if setting True Type Mode to " Download as True Type ", it is output as a bit image.<br>2) When printing Hound.doc with Win 3.1, a part of the Univers Font was printed incorrectly.<br>3) When setting B5 Env.in the Bypass Tray, WinPanel shows "Add F4 paper into Bypass Tray."<br>4) When installing Win95 driver by Add Printer, the help File was not installed. | 2.00 |
| The finisher is supported. | 1.30 |
| In Raster mode, a part of the graphic data cannot be printed correctly. | 1.21 |
| Power Point for Windows 95 cannot print raster Images. | 1.10 |

C. Host Panel for DOS

1.History List

| Ver | Released on |
|---|---|
| 1.02 | '97.5.25 |
| 1.01 | '97.4.2 |
| 1.00 | 1st Mass Prod. ('96.12.5) |

2. Corrected Symptom

| | Ver. |
|---|---|
| Profile which has the Host Panel setting information in Duplex mode cannot be opened correctly. | 1.02 |
| TBA ( To Be Announced ) | 1.01 |

## MB Correction

Reissue date: **15-Feb-98**

The items in bold italics have been corrected or added.

| Model: AD1E-Printer Type 251 | | Date: 30-Nov-97 | No: 45A |
|---|---|---|---|
| Subject: Firmware and Software HIstory | | Prepared by: K.Ugaeri | |
| From: QAC Field Information Dept. | | | |
| Classification: | ☐ Troubleshooting<br>☐ Mechanical<br>☐ Paper path<br>☐ Other ( ) | ☐ Part information<br>☐ Electrical<br>☐ Transmit/receive | ☐ Action required<br>☐ Service manual revision<br>☒ Retrofit information |

A. Firmware for Controller Type 251.

1. History and checksum List.

| Ver | Check Sum | | Released on |
|---|---|---|---|
| | U23 | U24 | |
| *5.15* | *8C25* | *AC42* | *'97.12.17* |
| 5.13 | DB12 | A541 | '97.9.30 |
| 5.09 | 0E06 | D22F | '97.8.26 |
| 5.04 | | | 1st Mass Prod. |

2.Corrected Symptoms

| | Ver. |
|---|---|
| ***For the Dutch version, the expressions of "On" and "Off" are incorrect.*** | ***5.15*** |
| When printing a banner page in a staple job, the banner page is printed incorrectly. | 5.13 |
| Resource saving on the test page indicates "1219 kbytes allocated of 1219 Kbytes available."<br>It should be "0 kbytes allocated of ..." | |
| When printing with raster mode and custom paper size setting, output is incorrect. | |
| ***After printing a job using staple mode, if sending another job which changed the Page Protection Mode from the previous job's setting, sometimes it does not work, and the data stays in the print queue.*** | 5.09 |
| When setting a User Code, if you send data to print while the LCD shows "Input user code...", it does not work without pressing the offline / online key even if you input the User Code. | |

| Model: AD1E-Printer Type 251 | Date: 30-Nov-97 | No: 45A |
|---|---|---|

## B. Driver Software for Win 3.1/Win 95
## 1. History List

| Ver | Released on |
|---|---|
| *2.11* | *'97.12.17* |
| 2.00 | 1st Mass Prod. |

## 2. Corrected Symptom

| | Ver. |
|---|---|
| 1) When you set Lines Per Page to a small value and print Landscape data, the top margin will be shifted down.<br>2) Pagemaker 6.5 and Word Perfect 8.0, duplex setting is disabled (grayed out) in the application's setting boxes.<br>3) Help file<br>  (1) The wording "External Tray (F/U)" has been deleted.  This may confuse users who don't understand that External Tray and External Tray (F/U) are the same thing.<br>  (2) In the Staple section, the first sentence contains a mistake.<br>  (3) In the Printer Memory section, it says that the printer self test page shows the memory size in KB.  The test page actually shows it in MB.<br>4) The default setting of Page Protect is changed from On to Auto.<br>5) A driver install error occurs when you install using Add Printer. | *2.11* |

## C. Host Panel for DOS

## 1. History List

| Ver | Released on |
|---|---|
| 1.02 | 1st Mass Prod. |

| Model: AD1 | Date: 15-Jun-98 | No: 51 |
|---|---|---|
| Subject: China version information | Prepared by: S.Tomoe | |
| From: QAC Field Information Dept. | | |

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

The China version was launched in February 1998. This RTB clarifies the differences between the Asia version (A193-27) and this version.

1. Model Name and Machine Code

| Version | Machine code | Model Name |
|---|---|---|
| China version | A193-69 | Aficio 200 |

2. Technical information

All specifications for the China version are exactly the same as for the Asia version.

3. Parts Information

The following are unique part numbers for the China version.

- A193 -

| Part Number | Description | Index No. | Page |
|---|---|---|---|
| A1935094 | BICU Board (CHN) | 3 | 45 |
| A1935715 | Power Supply Cord (CHN) | 16 | 47 |
| A1937365 | Decal – Main (CHN) | 6 | 63 |
| A1937366 | Decal – AC Switch (CHN) | 8 | 63 |
| A2041297 (new) | Sheet – Service Tel. | 23 | 7 |
| A1938606 | Operating Instructions – Copy (CHN) | 10 | 63 |
| A6848606 | Operating Instructions – Main (CHN) | 11 | 63 |

- Printer -

| Part Number | Description | Index No. | Page |
|---|---|---|---|
| A1937367 | Decal – Copy/Printer | 8 | 25 |