

1663A-01

S E R V I C E N O T E

SUPERSEDES: None

**HP 1663A Logic Analyzer**

Serial Numbers: 0000A00000 / 3338A00694

**Correct Software Error/Flash ROM Failure**

**Duplicate Service Notes:**

1660A-01, 1660AS-01, 1661A-01, 1661AS-01,  
1662A-01, 1662AS-01, 1663AS-01

To Be Performed by: HP-Qualified Personnel or Customers

**Parts Required:**

HP P/N	Description
01660-68709	Disk pouch version 3.01

*Continued*

DATE: October 1994

**ADMINISTRATIVE INFORMATION**

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: DPM	ENTITY: 0800	HP RESPONSIBLE UNTIL:	October 1996
ADDITIONAL INFORMATION:			

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**Situation:**

Software Error and/or Flash ROM Failure messages appear after Duplicate Disk Operation (operating system version 3.00 only)

A software bug in operating system version 3.00 causes the Duplicate Disk operation to over-write the flash ROM. After the flash ROM has been over-written, one of the following messages will appear:

SOFTWARE ERROR - Please record these numbers:

002C 00180002 2100

or

FLASHROM FAILURE.

The actual number displayed in the message

SOFTWARE ERROR - Please record these numbers

xxxx xxxxxxxx xxxx

may vary depending on variables in memory at the time the Duplicate Disk operation is initiated.

**Solution/Action:**

To correct this problem, reload version 3.01 operating system software into flash ROM. Perform the logic analyzer calibration and return the logic analyzer to normal use (see chapter 4, pages 4-1 to 4-5).

**NOTE**

DO NOT replace the CPU board until version 3.01 is loaded into flash ROM and self tests are performed (see Chapter 3, pages 3-1 to 3-5 in the 1660 Series Service Guide). If the logic analyzer appears to work properly after reloading version 3.01 and performing the selftests, the CPU board and flash ROM are operating properly and the CPU board need not be replaced.

**NOTE**

The CRT monitor alignment will not have been affected by this software bug; therefore, the CRT alignment procedure is not necessary.

**Reloading Flash ROM**

To reload the flash ROM with version 3.01 operating system, the flash ROM reload must be initiated from power up. The following procedure must be followed to perform a power-up reload.

1. Insert the flexible diskette (HP P/N 01660-13506) in the disk drive.
2. Press and hold the "U" key and turn on the logic analyzer.
3. Hold the "U" key until "UPDATING FLASH ROM MEMORY FROM DISK" screen is displayed.
4. Press any key to continue the update process.

1663A-02-S

S E R V I C E N O T E

SUPERSEDES: None

**HP 1663A Logic Analyzer**

Serial Numbers: See Table 1

**WARNING**

**Potential Shock Hazard**

**A potentially defective line filter assembly may result in an electric shock hazard under certain product use conditions.**

Duplicate Service Notes: See Table 1

To Be Performed By: IIP-Qualified Personnel

**Parts Required:**

HP P/N	Description
5081-7792	Modification Kit

*Continued*

DATE: February 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>PRIORITY SAFETY</b>			
ACTION CATEGORY:	<b>IMMEDIATELY</b>	STANDARDS:	LABOR 1.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	ALWAYS	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: DPM	ENTITY: 0800	HP RESPONSIBLE UNTIL: ALWAYS	
ADDITIONAL INFORMATION: Return used parts to Div. 0800			

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**Situation:**

The condition for possible electric shock results from a potential short within the line filter assembly. The fault can be caused by solder fragments within the line filter moving and shorting the line to earth ground. This condition may result in an electrical shock by elevating the instrument to a hazardous voltage if the safety ground is faulty or is disconnected.

**Solution / Action:**

Return the instrument immediately to the nearest HP Customer Repair Center for inspection, and if required, repair at no charge. Repair kit 5081-7792 contains the instructions for inspecting the product for a potential safety hazard, and the repair procedures and parts required to correct the failed assemblies.

**Table 1. Instruments to be inspected / repaired for potential electric shock**

1660A	1660A-02-S	3338A00899 / 33338A00899
		US34510130 / US34510208
		US35240101 / US35240204
1661A	1661A-02-S	3338A01330 / 3338A01330
		US34510105 / US34510299
		US35240101 / US35240275
1662A	1662A-02-S	3338A01118 / 3338A01132
		US34510124 / US34510287
		US35240101 / US35240265
1663A	1663A-02-S	3338A00849 / 3338A00854
		US34510113 / US34510244
		US35240101 / US35240232
1660AS	1660AS-02-S	3339A00137 / 3339A00333
		US34510101 / US34510210
		US35240101 / US35240204
1661AS	1661AS-02-S	US34510121 / US34510190
		US35240101 / US35240186
1662AS	1662AS-02-S	US34510145 / US34510209
		US35240101 / US35240212
1663AS	1663AS-02-S	US34510156 / US34510184
		US35240101 / US35240156

1660C	1660C-01-S	US35350101 / US35350137
1661C	1661C-01-S	US35350101 / US35350168
1662C	1662C-01-S	US35310101 / US35310155
1663C	1663C-01-S	US35310101 / US35310137
1660CS	1660CS-01-S	US35350101 / US35350187
1661CS	1661CS-01-S	US35350101 / US35350152
1662CS	1662CS-01-S	US35350101 / US35350136
1663CS	1663CS-01-S	US35310101 / US35310118
1664A	1664A-01-S	US34390180 / US34390199
		US35240101 / US35240249
1670A	1670A-01-S	US35340101 / US35340112
1671A	1671A-01-S	US35340101 / US35340111
1672A	1672A-01-S	US35340101 / US35340109
54501A	54501A-06-S	3251A16271 / 3251A16271
		3251A16418 / 3251A16418
		US34510113 / US34510295
54502A	54502A-07-S	3251A06549 / 3251A06549
		US34510117 / US34510219
54503A	54503A-06-S	3309A06682 / 3309A06682
		US34510174 / US34510431
54504A	54504A-03-S	US34510122 / US34510271
54510B	54510B-03-S	3218A01007 / 3218A01007
54512B	54512B-03-S	3218A00822 / 3218A00822
54520A	54520A-02-S	US34360585 / US34360898
		US35240101 / US35240168
		US35300101 / US35300363
		US35480101 / US35480232

54522A	54522A-02-S	3443A00304 / 3443A00304
		3414A00380 / 3414A00380
		3414A00388 / 3414A00388
		US34360139 / US34360438
		US35240101 / US35240128
		US35300101 / US35300204
		US35480102 / US35480198
54540A	54540A-02-S	US34360193 / US34360427
		US35240110 / US35240122
		US35300104 / US35300204
		US35480101 / US35480138
54542A	54542A-02-S	3415A00678 / 3415A00678
		US34360177 / US34360597
		US35240109 / US35240119
		US35300103 / US35300194
		US35480101 / US35480145
54520C	54520C-02-S	US35130124 / US35130159
		US35240101 / US35240128
		US35300101 / US35300118
		US35480102 / US35480132
54522C	54522C-02-S	US35020103 / US35020120
		US35300102 / US35300145
		US35480101 / US35480117
54540C	54540C-02-S	US35130101 / US35130109
		US35140110 / US35140127
		US35300101 / US35300156
		US35480101 / US35480127

[REDACTED]		
54542C	54542C-02-S	US35020106 / US35020230
		US35240103 / US35240142
		US35300101 / US35300251
		US35480101 / US35480174

M93A

1660A 1660AS 1661A 1661AS 1662A 1662AS 1663A 1663AS 1664A  
 1660C 1660CS 1660CP 1661C 1661CS 1661CP 1662C 1662CS 1662CP 1663C  
 1663CS 1663CP 1670A 1671A 1672A 1670D 1671D 1672D  
 1660E 1660ES 1660EP 1661E 1661ES 1661EP 1662E 1662ES 1662EP 1663E  
 1663ES 1663EP 1670E 1671E 1672E 1670G 1671G 1672G 1673G  
 Benchtop Logic Analyzers

16500B 16500C Logic Analysis System Mainframes

Supersedes: M93 dated 30 October 1998

Serial Numbers:

0000A00000 / 9999Z99999  
 US00000000 / US99999999

Y2K update information. Operator intervention required to program a system date of 29 February for all Leap Years.

To Be Performed By: HP-Qualified Personnel, or Customer

Situation:

The system clock on the above listed products do not recognize Leap Years, including the year 2000. The system clock progresses from 28 February to 01 March in the year 2000 and on all Leap Years.

Users of the Software Analyzer (SWA) will be directly affected. The symbol reader included in SWA compares the date of the \*.ns file with the date of the latest \*.exe file build to ensure the latest symbols are uploaded. Otherwise the only things affected are the displayed date and the date attached to stored files.

Solution / Action:

The date 29 February can be entered and retained by the system clock. Take the following action to reconfigure the system clock:

1. Power up the instrument. After the instrument finishes booting, press the System key.
2. Select External I/O, then select Utilities in the pop-up menu.
3. In the Utilities menu, elect the Real Time Clock Adjustments field. Reprogram the clock for 29 February using the cursor, the Select keys, and the RPG knob.

Date:

22 Nov 1999

```
*****
*
*           INFORMATION ONLY
*           -----
*
*  AUTHOR/ENTITY: RB/0800_____
*  ADDITIONAL INFO: _____
*
*****
```