

S E R V I C E N O T E

SUPERSEDES: NONE

**HP 4156B Semiconductor Parameter Analyzer
04155-66541/04155-69541 CPU Assembly**

Serial Numbers: See below.

Firmware update to fix CPU restart problem

Duplicate Service Notes:

4155B-04 Serial Numbers: 0000A00000/JP10E00215

4156B-04 Serial Numbers: 0000A00000/JP10E00251

To be Performed by: HP-qualified personnel

Parts Required: No

Situation:

The HP 4155B,4156B is unexpectedly restarted when the following conditions are satisfied:

- In a user function, "divide by zero" occurs.
- The returned values of the user function are used in "Graph" display.
- The auto-scaling function is performed.

Continued

DATE: August 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
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 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 type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	HP RESPONSIBLE UNTIL: August 2000	
AUTHOR: MO	ENTITY: 3300	ADDITIONAL INFORMATION:	

Solution/Action:

Update the HOSTC firmware to 2.02 by using the following procedure:

1. Go to the following location:

`ftp://hpyidmk.jpn.hp.com/dist/dc_para/4155B/firmware/Rev02.02/`

2. Save the 'h02_02-s03_05.zip' file to a local temporary directory. (Use the BINARY transfer mode to get the file.)
3. Extract directories and files from the 'h02_02-s03_05.zip' file, which is a 'zip' type compressed file. Four directories (disk1, disk2, disk3, and disk4) are created.

The contents of the four directories are also available on the ftp server:

`ftp://hpyidmk.jpn.hp.com/dist/dc_para/4155B/firmware/Rev02.02/DISK1/
DISK2/
DISK3/
DISK4/`

4. Copy the files in each directory to a 3.5-inch disk and label the disk. For example, after you have copied the files in the 'disk1' directory, label it "disk1".
5. Turn off the HP 4155B/4156B.
6. Insert "disk1" into the HP 4155B/4156B and turn on the HP 4155B/4156B.
7. Press the {Yes} primary softkey to start the firmware update.
8. Replace the disks according to the displayed instructions. You use the disks in the following sequence:

disk1 -> disk 2 -> disk3 -> disk1 -> disk4

Note that "disk1" is used twice.

9. Wait until the update process completes.
10. Remove the disk and cycle the power.
11. Check the HOSTC and SMUC revisions on the [System]->{Config} page.

To do this update, HP 41501A,B SMU/PGU Expander is not necessary.