# S  E  R  V  I  C  E    N  O  T  E

SUPERSEDES:  NONE

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

**Serial Numbers:** See below

**New firmware fixes incorrect measurement status problem**

**Duplicate Service Notes:**

4155B-08          Serial Numbers: 0000A00000/JP10E00392
4156B-08          Serial Numbers: 0000A00000/JP10E00442

**To be Performed by:** Agilent-qualified personnel

**Situation:**

In the 4142B mode (US42) of the FLEX language environment, incorrect measurement status is returned when the status is other than "Normal".

*Continued*

DATE:  May 1999

ADMINISTRATIVE INFORMATION

| SERVICE NOTE CLASSIFICATION: | | |
|---|---|---|
| **MODIFICATION RECOMMENDED** | | |

| ACTION CATEGORY: | ☐ IMMEDIATELY<br>■ ON SPECIFIED FAILURE<br>☐ AGREEABLE TIME | STANDARDS:<br>LABOR  0.5  Hours | | |
|---|---|---|---|---|
| LOCATION CATEGORY: | ☐ CUSTOMER INSTALLABLE<br>☐ ON-SITE<br>■ SERVICE  CENTER | SERVICE INVENTORY: | ☐ RETURN<br>☐ SCRAP<br>☐ SEE TEXT | USED PARTS: ☐ RETURN<br>☐ SCRAP<br>☐ SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | AGILENT RESPONSIBLE UNTIL:  May 2001 | | |
| AUTHOR:  MO | ENTITY:  3300 | ADDITIONAL INFORMATION: | | |

✷∴∵ **Agilent Technologies**

**Solution/Action:**

Update the HOSTC firmware to 2.03 by using the following procedure:

1. Go to the following location:

   ftp://hpyidmk.jpn.hp.com/dist/dc_para/4155B/firmware/Rev02.03/

2. Save the 'h02_03-s03_06.zip' file to a local temporary directory. (Use the BINARY transfer mode to get the file.)

3. Extract directories and files from the 'h02_03-s03_06.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/Rev02.03/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 4155B/4156B. 6. Insert "disk1" into the 4155B/4156B and turn on the 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, 41501A,B SMU/PGU Expander is not necessary.