

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

SUPERSEDES: NONE

**E3102A: 4072A Semiconductor Parametric Tester****Serial Numbers:** See Duplicate Service Notes.**Chuck Connection Cable Became Longer****Duplicate Service Notes:**E3101A-12 Serial Numbers: JP10D00101 / JP10D00300  
JP20D00301 / JP20D00359

E3101K-12 Serial Numbers: JP10E90101 / JP10E90103

E3102A-01 Serial Numbers: JP10G20101 / JP10G20108

**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

| P/N         | Description | Quantity |
|-------------|-------------|----------|
| E3120-61661 | CABLE ASSY  | 1        |

**Situation:**

When installing the HPSMU into the testhead, the chuck connection cable is too short to go through the cable holding of the testhead frame. The heat-shink prevents the chuck connection cable from going straight between the cable holding and chuck connector

*Continued.*

DATE: November 1999

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**MODIFICATION RECOMMENDED**

|                    |   |  |                       |                                   |
|--------------------|---|--|-----------------------|-----------------------------------|
| ACTION CATEGORY:   | IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME | STANDARDS:                               | LABOR 1.0 Hours       |                                   |
| LOCATION CATEGORY: | CUSTOMER INSTALLABLE ON-SITE SERVICE CENTER     | SERVICE INVENTORY:                       | RETURN SCRAP SEE TEXT | USED PARTS: RETURN SCRAP SEE TEXT |
| AVAILABILITY:      | PRODUCT'S SUPPORT LIFE                          | AGILENT RESPONSIBLE UNTIL: November 2001 |                       |                                   |
| AUTHOR: TW         | ENTITY: 3300                                    | ADDITIONAL INFORMATION:                  |                       |                                   |



**Solution / Action:**

Replace the old chuck connection cable (P/N E3120-61671) to the new cable (P/N E3120-61661) when installing HPSMU. To replace the old chuck connection cable, use the following procedures:

1. Remove the testhead cover of the measurement pin side.
2. Remove the inner plate.
3. Disconnect the chuck connection cable.
4. Remove the air duct.
5. Remove the TH PS cable connector assembly.
6. Remove the side panel.
7. Remove the panel of AUX port connectors. Loosen the four screws of it. Pull the assembly a few inches.
8. Remove the chuck connection cable assembly. Use the 5/8 box wrench.
9. Install the new chuck connection cable assembly.
10. Install the panel of AUX port connectors.
11. Install the side panel.
12. Install the TH PS cable connector assembly.
13. Install the air duct.
14. Connect the chuck connection cable.
15. Install the inner plate.
16. Install the testhead cover.

After replacing the chuck connection cable, perform a full diagnostics.

Necessary parts are supplied from GSL.

If you have any question, please send your message to "HSTD, SVC-SUPPORT".