

# 66102A-07

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

Supersedes:  
None

### 66102A DC Power Supply

Serial Numbers: [0000A00000 / 9999Z99999]

**The instrument will not communicate or will not complete self test.**

**To Be Performed By: Agilent-Qualified Personnel or Customer**

**Parts Required:**

| P/N         | Description                        | Qty. |
|-------------|------------------------------------|------|
| 1200-0567   | SOCKET-IC-DIP 28-CONT DIP DIP-SLDR | 1    |
| 5080-2529   | ROM-PRGMD                          | 1    |
| 66102-61022 | PCA-TSTD,PWRMESH                   | 1    |

**SPECIAL REPAIR NOTE!** (Circuit Reference “U2”).

The ROM-PRGMD p/n 5080-2529 should only be replaced if it is cracked or broken or the pins are intermittent.

The SOCKET-IC-DIP 28-CONT DIP DIP-SLDR p/n 1200-0567 should only be replaced if it is cracked or broken or the pins are intermittent.

The PCA-TSTD,PWRMESH p/n 66102-61022 should only be replaced if the traces on the printed circuit board are damaged during the removal of the socket.

**It is very unlikely that the PCA-Tested assembly p/n 66102-61022 or the socket p/n 1200-0567 will need to be replaced.**

### ADMINISTRATIVE INFORMATION

|   |   |
|---|---|
| SERVICE NOTE CLASSIFICATION:  |   |
| <b>MODIFICATION AVAILABLE</b>   |   |
| ACTION CATEGORY: 1hr  | <input type="checkbox"/> PERFORMANCE ENHANCEMENT<br><input checked="" type="checkbox"/> SERVICE / RELIABILITY ENHANCEMENT |
| LOCATION CATEGORY: x CUSTOMER INSTALLABLE<br><input type="checkbox"/> ON-SITE<br>x SERVICE CENTER | AVAILABILITY: Always  |
| AUTHOR: CP PRODUCT LINE: SP   |   |
| ADDITIONAL INFORMATION:   |   |

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**Situation:**

The Programmed ROM P/N 5080-2529 (Circuit Reference “U2”) See [Figure 1](#).below for the location of “U2”. When the ROM “U2” is not inserted correctly See [Diagram “A”](#) for details, the instrument may exhibit the following faults:

These faults could also occur if the ROM or the socket is intermittent due to dirty or contaminated pins.

1. The instrument will not turn on
2. All of the segments on the Front Panel display are not light.
3. The instrument will fail self test or will not boot-up.
4. The instrument will not communicate & can not be calibrated.

**Solution/Action:**

The ROM “U2” should be removed from the socket. (See [Figure 1](#)). The socket and the ROM should be inspected for contamination or other defects. The ROM is a ceramic part and can be damaged or broken if too much force is applied when reinstalled. [Diagram “B”](#) shows the ROM “U2” inserted correctly.

**NOTE**

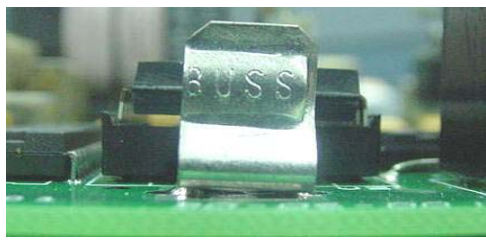
The ROM “U2” is a static sensitive part, when removing and reinstalling the ROM use procedures that will eliminate ESD (Electro Static Discharge) which may damage the ROM.

**Note** If the ROM “U2” is replaced Initialization is may not be required.

**FIGURE 1** Tested PCA P/N 66102-61022 (Location of Circuit Reference “U2”)



**Diagram A:** ROM not fully inserted



**Diagram B:** ROM fully inserted into socket

**Special Note**

The following Service Notes described below are other models that may have the same problem as described above.

|           |           |           |
|-----------|-----------|-----------|
| 66101A-08 | 66103A-07 | 66105A-08 |
| 66102A-07 | 66104A-08 | 66106A-07 |