

MODIFICATION RECOMMENDED –  
CORRECTS MANUFACTURING OR DESIGN DEFECTS

**66312A-10**

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

Supersedes:  
NONE

## Agilent 66312A DC Power Supply

Serial Numbers: MY43000204/MY4300229

**On faster computers, when programming over GPIB, a random error will occur.**

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

### Parts Required:

P/N	Description	Qty.
0699-3058	100 Ohm resistor	1
5063-4841	GPIB Assembly, tested	1

## 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: 1.0 Hours	
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: obsolescence	
AUTHOR: MC	PRODUCT LINE: 33		
ADDITIONAL INFORMATION:			

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**Situation:**

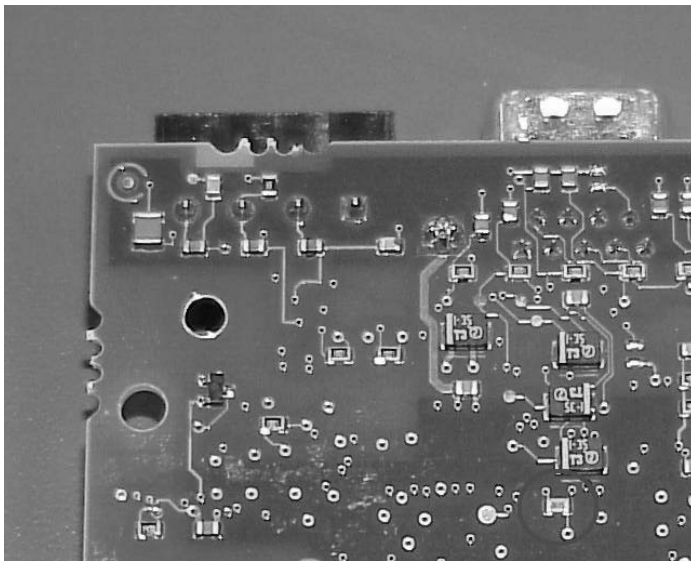
When programming a unit over GPIB, a random error -113 (“Undefined header”) will appear on the unit. This error can be read back via the front panel or over the GPIB bus.

**Solution/Action:**

There are two potential solutions.

**Solution 1**

Change resistor R1246 (see picture for location) from 511 Ohms to 100 Ohms (part number 0699-3058). This requires un-soldering and soldering a surface mount component and can be very difficult. This does not require re-calibration.

**Solution 2**

Replace the entire GPIB assembly (part number 5063-4841) with a newer one that has the 100 Ohm resistor. This will require the unit to be re-calibrated.