

S E R V I C E N O T E

SUPERSEDES: None

66101A MPS Power Module

Serial Numbers: 0000A00000 / 3444A01393

Power supply may OV when load is removed at high output voltages

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

Part No.	Description
0698-4196	Resistor, 1.07K, 1%
0160-4831	Capacitor, 4700pF, 10%

Situation:

When the supply is set to 8 volts, is loaded to full output current and the load is removed, the output may overshoot and trip the OV circuit.

Continued

DATE: February 1995

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 1.5 Hours
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: DF	ENTITY: 2100	AGILENT RESPONSIBLE UNTIL: February 1998	
		ADDITIONAL INFORMATION:	

Solution/Action:

Change R360 to 1.07K and C335 to 4700pF.

Turn on the instrument and insure that it passes selftest.

Update the ROM OV initialization using the following procedure.

Send the strings:

“CAL:STATE ON,66101” This assumes the pass code is the model number

“DIAG:EEPR 46,4,10”

“CAL:STATE OFF”

Calibrate the overvoltage protection curcuit using the procedure in Appendix A of the User's Guide.

Or:

Change the “9.6” (5th piece of data) to a “10” in line 240 of the EEPROM Initialization Program, Figure 3-14, in the service manual.

Initialize then calibrate the entire power supply using the procedure in Appendix A of the User's Guide.

Change Table 1-1 of the User's Guide to show the Max OV Trip Point is now 10 volts.

Note:

If units with serial numbers 3444A-01394 and above must be re-initialized, they must be initialized and calibrated as described in the “Or” statement above.