

SAFETY – IMPLEMENTED DURING NORMAL COURSE  
OF PROVIDING SUPPORT

**6060B-04A-S**

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

Supersedes:  
6060B-04-S

**6060B - DC ELECTRONIC LOAD SINGLE-INPUT  
3-60 V. 0-60 A, 300 W DC**

Serial Numbers: MY41002268/MY41002580, SG41000378/SG41002580

**POSSIBLE “SHOCK PINCH” HAZARD**

**WARNING**

**HAZARD CLASS 2**

**Due to poor soldering, the instrument’s internal safety grounding may be faulty.**

**Parts Required:**

P/N	Description	Qty.
NONE		

**ADMINISTRATIVE INFORMATION**

SERVICE NOTE CLASSIFICATION:		
<b>SAFETY</b>		
ACTION CATEGORY: X AGREEABLE TIME	STANDARDS LABOR: 0.5 Hours	
LOCATION CATEGORY: <input type="checkbox"/> CUSTOMER INSTALLABLE x ON-SITE X SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT
AVAILABILITY: EOS (End of Support Life)	NO CHARGE AVAILABLE UNTIL: EOS (End of Support Life)	
AUTHOR: CP	PRODUCT LINE: SP	
ADDITIONAL INFORMATION: This repair should only be done by an Agilent Service Center. On-site repairs may be done on a case by case basis the support team should be notified when there is a request for an on-site repair		

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**CAUTION:** Disconnect the AC input to the instrument before doing this verification & upgrade.

**“DEFECTIVE GROUND CONNECTION”**

Refer to Figures “A” & “B” below. These figures are representative of insufficient solder connections at the ground pin of the AC INPUT MODULE and the instrument chassis ground.



Figure A



Figure B

**“ACCEPTABLE GROUND CONNECTIONS”**

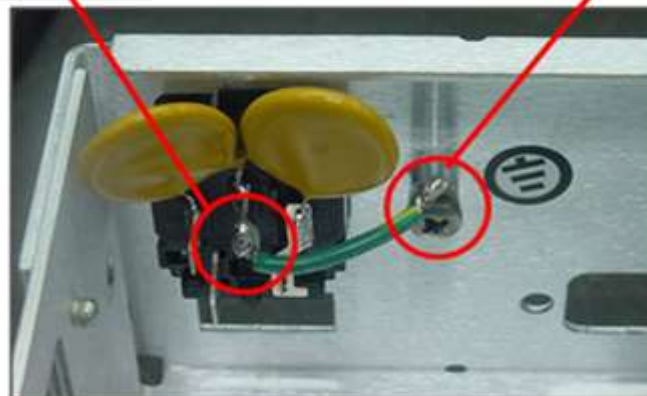
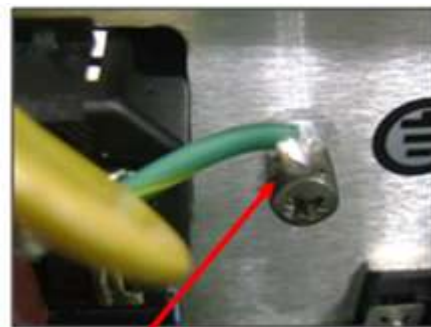
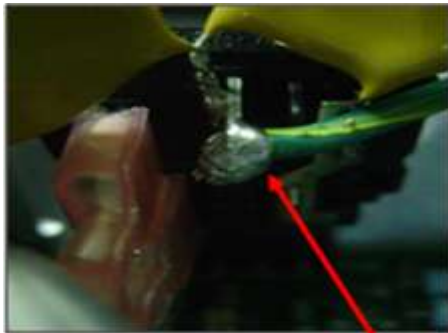


Figure “C”

**Solution/Action:**

If the Safety ground wire connections shown in Figures “A” & “B” do not meet or exceed acceptable solder connections as shown in Figure “C”, then the Safety ground connections must be repaired any person doing the repair must have the required knowledge to identify defective solder joints. It is also a requirement that the person doing the repair has the required skills to use hand tools and a soldering iron.

**REPAIR NOTE**

The repair described is NOT customer repairable.

All units within the listed serial number range must be checked by an authorized Agilent service technician or engineer.

A defective instrument must be returned to any Agilent Service Center to have the instrument repaired at no charge. On-site repairs may be done on a case by case basis. The support team should be notified when there is a request for an on-site repair at [Plsp-power\\_prod\\_support@agilent.com](mailto:Plsp-power_prod_support@agilent.com) or [carl\\_panetta@agilent.com](mailto:carl_panetta@agilent.com)

**POST REPAIR PERFORMANCE TESTING/EARTH & CONTINUITY TEST MARKING:**

Using a permanent marker, place an (X) under the “Line Fuse Rating” as shown in the red circle below. The label is located on the rear of the instrument near the AC input module. (See Picture below)

The (X) under the “Line Fuse Rating” will indicate that the Earth Continuity Test has been done and has PASSED and the required electrical tests have also been done and meet product specifications.



**TESTING NOTE**

When doing on-site repairs, the instrument must PASS the Earth Continuity test and the instrument must PASS it's self-test.

**EARTH CONTINUITY TEST**

Refer to the *Electrical Safety Tests at Repair/Installation/Service*. This document should be used when an on-site inspection and repair is required. Refer to this document, available at:

[http://wcosedoc.cos.agilent.com/stellent/groups/quality/documents/end\\_users/022733.doc](http://wcosedoc.cos.agilent.com/stellent/groups/quality/documents/end_users/022733.doc)

**IMPORTANT**

When doing an On-Site repair it is imperative to notify the SPD engineering team. Send the model number and all serial numbers that have been verified and upgraded to:

[Plsp-power\\_prod\\_support@agilent.com](mailto:Plsp-power_prod_support@agilent.com) or [carl\\_panetta@agilent.com](mailto:carl_panetta@agilent.com)

**Electrostatic Discharge (ESD) Protection**

Electrical components can be damaged by electronic discharge (ESD) during handling. Component damage can occur at electrostatic discharge voltages as low as 50 volts. The following guidelines will help prevent ESD damage when servicing the instrument or any electronic device.

Disassemble instruments ONLY in a static-free work area.

Use a conductive work area to reduce static charges

Use a conductive wrist strap to reduce static accumulation

Minimize handling

Remove all plastic, foam, vinyl, paper, and other static-generating materials from the immediate work area.

**Disassembly**

Follow the instructions on page 58 of the 6060B Service Manual.

The link below is the entire Service Manual for the 606XB P/N 5951-2828.

<http://cp.literature.agilent.com/litweb/pdf/5951-2828.pdf>

**OTHER RELATED SERVICE NOTES:**

**6063B-04-S**