

PRIORITY SAFETY – REQUIRES IMMEDIATE REPAIR ACTION AND SPECIAL EFFORT TO CONTACT CUSTOMERS

E3612A-04C-S

S E R V I C E N O T E

Supersedes:
E3612A-04B-S

E3612A Manual DC Power Supply

Serial Numbers: KR01718767 through KR09999999, MY4000001/MY40001924,SG40000001/SG40001924

POSSIBLE SHOCK HAZARD

WARNING

The AC power module can accidentally come out of the instrument creating a shock hazard.

To Be Performed By: Agilent- Service Center or Customer Qualified Personnel.

Parts Required:

P/N	Description	Qty.
5065-6978	AC Module Repair Kit	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
PRIORITY SAFETY	
ACTION CATEGORY: X Immediately	STANDARDS: LABOR: 0.5 Hours
LOCATION CATEGORY: X CUSTOMER INSTALLABLE [] ON-SITE X SERVICE CENTER	SERVICE INVENTORY: [] RETURN X SCRAP [] SEE TEXT [] SEE TEXT
TEXT	USED PARTS: [] RETURN X SCRAP [] SEE [] SEE TEXT
AVAILABILITY: ALWAYS	AGILENT RESPONSIBLE UNTIL: ALWAYS
AUTHOR: (CP)	PRODUCT LINE: (PL33)
ADDITIONAL INFORMATION:	

© AGILENT TECHNOLOGIES, INC. 2002
PRINTED IN U.S.A.



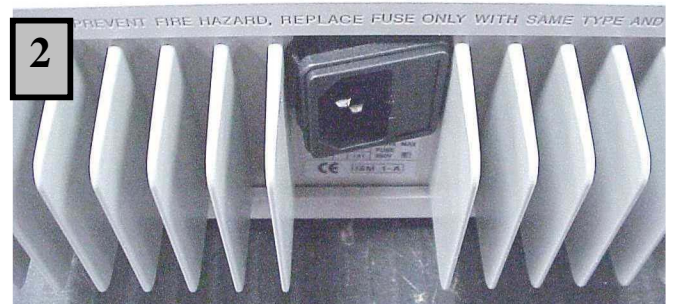
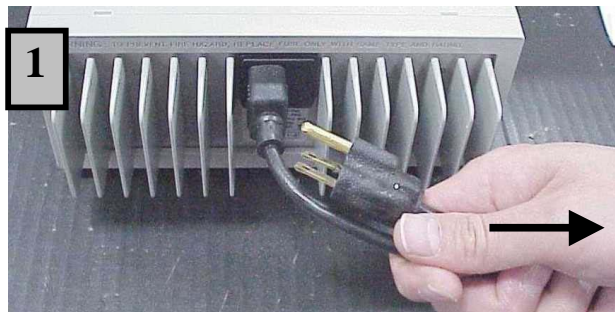
September 26, 2002

Situation:

If the AC line cord is forcefully pulled in a side-to-side direction the AC Module can be pulled out of the rear heatsink, exposing the conductors that carry AC line voltage.

Solution/Action:

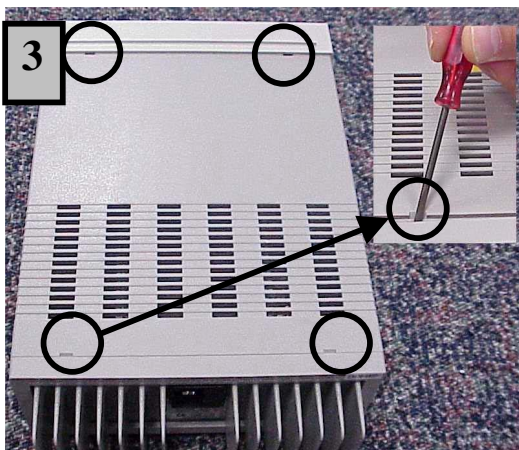
Follow steps 1-4 below:

**CAUTION: TEST FOR LOOSE AC MODULE**

1. Make sure linecord is removed from outlet.
2. With linecord securely inserted in AC Module as shown, pull forcibly (2 times) in direction of arrow.

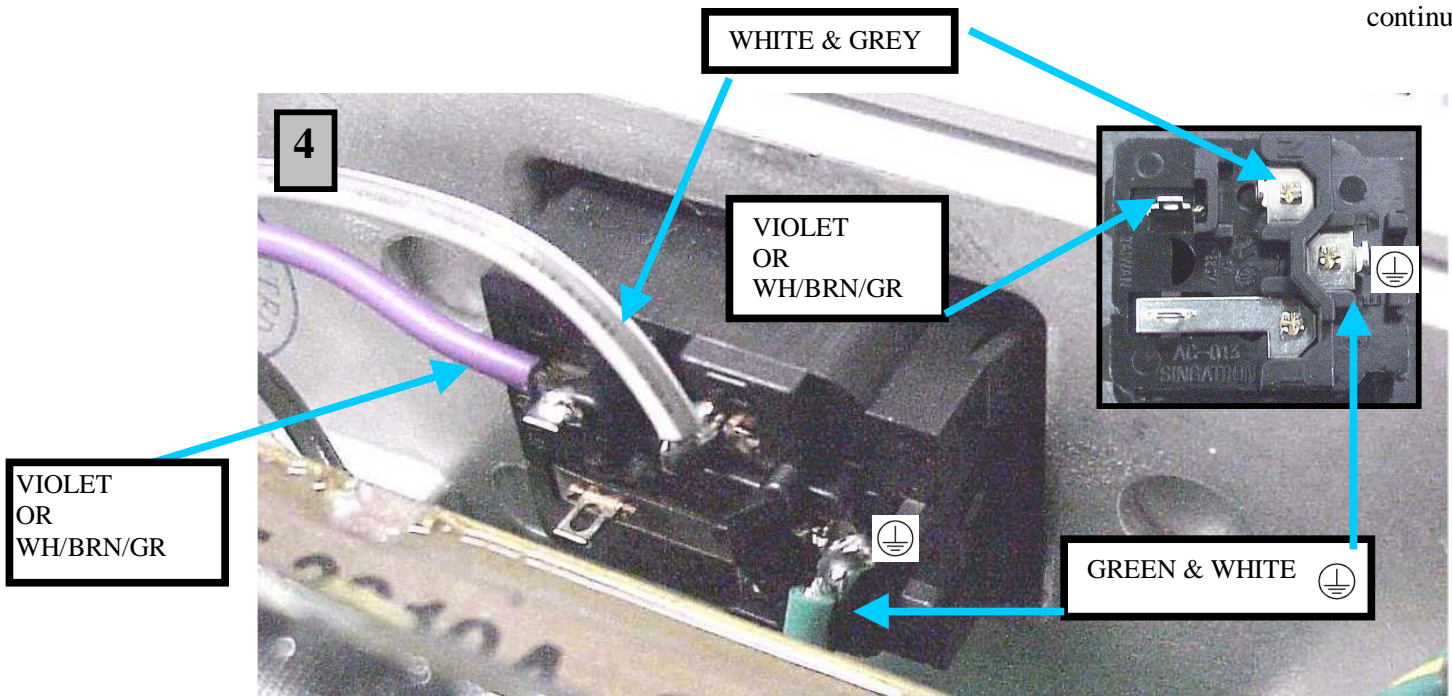
LOOSE AC MODULE

1. If the AC Module pulls out from Unit as shown it will need to be replaced.
2. If the AC Module remains in place it does not need to be changed. Put a mark on the AC input label in the lower left hand corner with indelible ink to indicate that the AC module has been checked. This label can be found below the AC module.



REMOVE COVER by prying Rear Bezel and Front Panel away from Cover in four places as shown. Then lift Cover off unit.

continued



REPLACE MODULE with P/N 5065-6978. Before soldering perform “TEST FOR LOOSE AC MODULE” as shown in picture above. This will confirm that the new Module is secure. Solder wires and **REPLACE FUSE**.

100/120 VAC input use Fuse P/N 2110-0702 (2 amp, 250 volt)

230 VAC input use Fuse P/N 2110-0599 (1 amp, 250 volt)

CAUTION: WIRING MUST BE CORRECT OR HEATSINK COULD BE AT LINE POTENTIAL.

CAUTION: MAKE SURE SAFETY GROUND \oplus IS ATTACHED TO HEATSINK

After AC Module is soldered, replace cover and turn unit on. No calibration or specification verification is required.

Put a mark on the AC input label in the lower left hand corner with indelible ink to indicate that the AC module has been replaced. This label can be found below the AC module.