

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

**E3616A-03-S**

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

Supersedes:  
NONE

**E3616A Lab Bench DC Power Supply**

Serial Numbers: KR83502651 through KR09999999, MY4000001/MY40001197,SG40000001/SG40001197

**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:			
<b>PRIORITY SAFETY</b>			
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	USED PARTS: [ ] RETURN X SCRAP [ ] SEE TEXT [ ] SEE TEXT	
TEXT			
AVAILABILITY: ALWAYS	AGILENT RESPONSIBLE UNTIL: ALWAYS		
AUTHOR: (CP)	PRODUCT LINE: ( PL33 )		
ADDITIONAL INFORMATION:			

© AGILENT TECHNOLOGIES, INC. 2004  
PRINTED IN U.S.A.



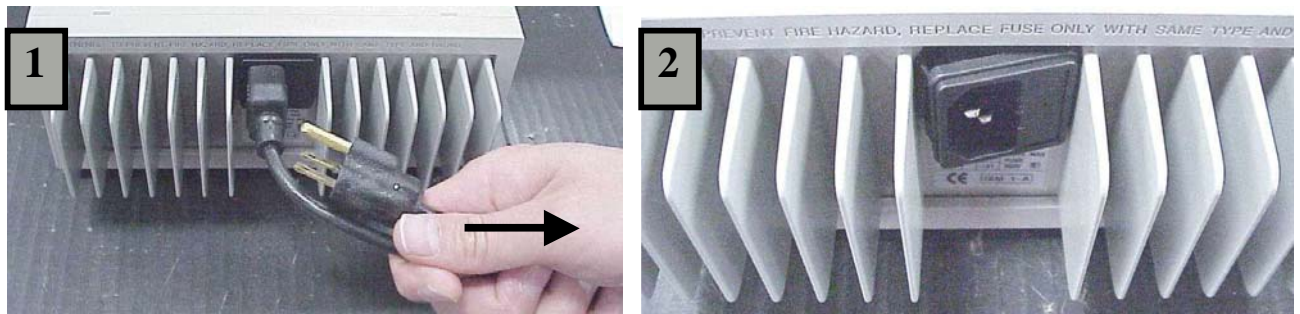
February 6, 2004

**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.

**3****REMOVE COVER**

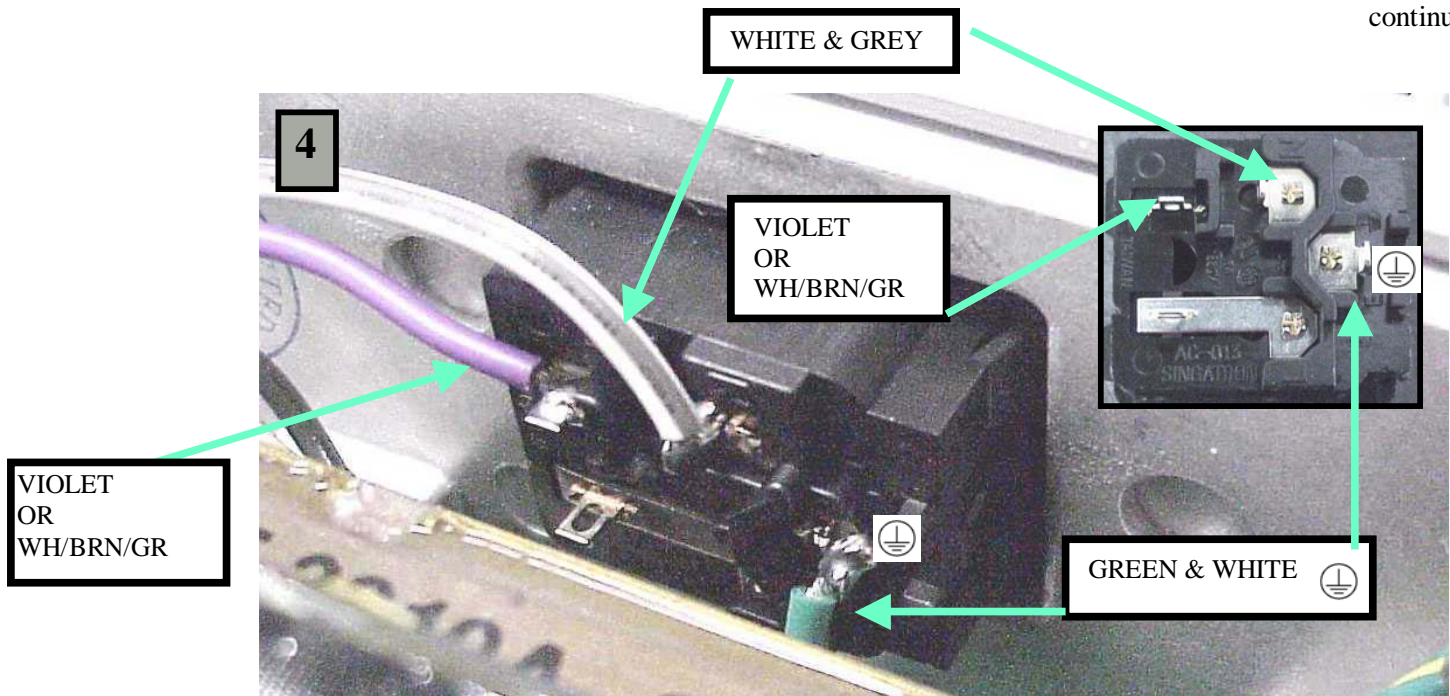
E3610/11/12/30A

Pry Rear Bezel and Front Panel away from Cover in four places. Then lift Cover off unit.

E3614/15/16/17/20A

Pry Tabs out on rear of Top Cover and lift Cover off of the 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 amps, 250 volts)	E3610/11/12/14/15/16/17/20A
100/120 VAC input-	use Fuse P/N 2110-0918 (1.6 amps, 250 volts)	E3630A only
230 VAC input-	use Fuse P/N 2110-0599 (1 amp, 250 volts)	E3610/11/12/30A
230 VAC input-	use Fuse P/N 2110-1346 (1 amp, 250 volts)	E3614/15/16/17/20A

**CAUTION: WIRING MUST BE CORRECT OR H<sub>⊥</sub> TSINK COULD BE AT LINE POTENTIAL.**

**CAUTION: MAKE SURE SAFETY GROUND 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.

Duplicate Service Notes (For Reference ONLY)

E3614A-02-S, E3615A-02-S, E3616A-03-S, E3617A-03-S & E3620A-06-S