SAFETY – IMPLEMENTED DURING NORMAL COURSE OF PROVIDING SUPPORT

4294A-02A-S

S E R V I C E N O T E

Supersedes:
4294A-02-S

Agilent 4294A Precision Impedance Analyzer

Serial Numbers: JP1KG00101/JP2KG00588

POSSIBLE ELECTRIC SHOCK HAZARD

WARNING

HAZARD CLASS #3

A broken AC inlet may potentially result in an electric shock hazard.

Parts Required:

P/N	Description	Qty.
04294-00213	Rear Panel	1
2110-1303	Fuse	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: **SAFETY**		
ACTION CATEGORY: **IMMEDIATELY**	STANDARDS LABOR: Solution #1 (0.5 hours) ; Solution #2 (2.0 hours)	
LOCATION CATEGORY: [ ] CUSTOMER INSTALLABLE [ ] ON-SITE [X] SERVICE CENTER [ ] CHANNEL PARTNER	SERVICE INVENTORY: [ ] RETURN [ ] SCRAP [ ] SEE TEXT	USED PARTS: [ ] RETURN [X] SCRAP [ ] SEE TEXT
AVAILABILITY: ALWAYS	NO CHARGE AVAILABLE UNTIL: ALWAYS	
AUTHOR: LS	PRODUCT LINE: WN	
ADDITIONAL INFORMATION: 02G Repair Class		

February 28, 2012
Rev. 21

Agilent Technologies

Situation:
The AC inlet (P/N 1252-6951) has the potential to slip out of the instrument's rear panel slot if the AC power cord is forcefully pulled in a diagonal direction. When this happens, an exposed connection on the AC inlet module may touch the rear panel of the instrument and cause an electrical short if the AC power cord is still connected to the AC power outlet. See Figure 1.

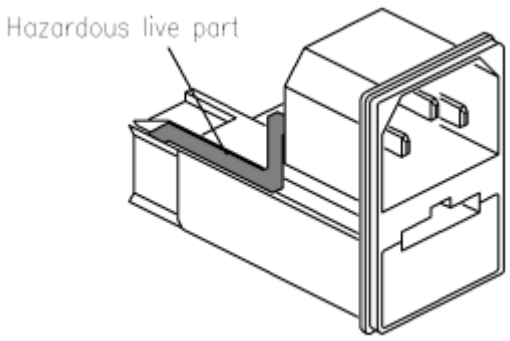

Figure 1. AC Inlet Connector

In the worst case, there is also a possibility of an electric shock hazard to the user if the user completes a circuit between the instrument panel and another grounded connection while the AC power cord is still connected to the AC power outlet.

Solution/Action:
There are two possible solutions; one if the AC inlet is still seated in the instrument's rear panel, and a second if the AC inlet has been yanked out of the slot.
Replacement instructions in HTML format are available over the Agilent Intranet at URL
http://kobemktg.jpn.agilent.com/field_eng/
(CT-PGU Kobe Service Information)
Click on "Service FAQ", click on "AC Inlet".
http://kobemktg.jpn.agilent.com/field_eng/service/faq/ac-inlet/index.htm

Solution 1. AC Inlet Still Intact.

Since the required silicon seal P/N: 5183-4112 is obsolete, please proceed with "Solution2" by changing the whole rear panel assembly.

Solution 2. AC Inlet Broken

- Remove the AC power cable from the AC power outlet and the product.
- Remove the top, bottom, and side covers.
- Replace the rear panel assembly with P/N 04294-00213.
- Install the new fuse P/N 2110-1303.
- Perform Self Test to verify instrument operation.

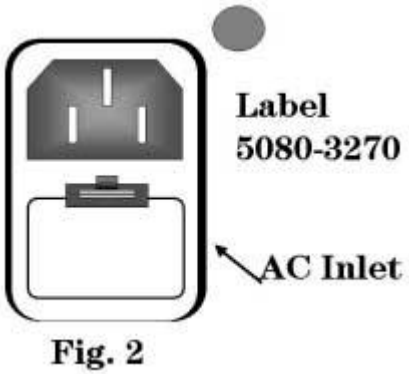

Figure 2. Repair Completed Label