

6692A-04

S E R V I C E N O T E

Supersedes:
NONE

6692A DC System Power Supply

Serial Numbers: MY41000536, MY41000544, MY41000545. MY41000546, MY41000547, MY41000548, MY41000549, MY41000552 & MY41000558

Potential Installation fault to users when the AC line cord is connected to the AC fuse holder/line cord module p/n 2110-1312.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
2110-1312	FUSE HOLDER 750V 50A 3 POLE	1

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 <input type="checkbox"/> SEE TEXT
XT		USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE text <input type="checkbox"/> SEE TEXT
AVAILABILITY:	Always	AGILENT RESPONSIBLE UNTIL: 3/2010	
AUTHOR: cp	PRODUCT LINE: SP		
ADDITIONAL INFORMATION:			

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Situation:

There could be a Potential Installation fault to users when the AC line cord is connected to the AC fuse holder/line cord module p/n 2110-1312.

Solution/Action:**Fault Description**

The fault is with respect to the AC line cord connection. If the screw terminals on the AC fuse holder/line cord module are not clamped down using the specified torque of 35 inch-pounds, (4 Newton-meters) then a wire of the AC line power cord may slide out of the AC fuse holder/line cord module. This could allow an AC line cord conductor to come loose and possibly touch another terminal or the chassis. That, in turn could potentially cause damage to the AC fuse holder/line cord module, the instruments chassis or the wiring. (See figure 1)

If this fault does occur the product may not work at all, or there may be some arcing contained within the fuse box, or there may be some localized heating of the clamping terminal or the wire, also contained within the fuse holder/line cord module.

HOW TO DETERMINE IF YOUR INSTRUMENT HAS IMPROPERLY CLAMPED AC LINE CONDUCTORS

WARNING

To avoid electric shock, disconnect the unit from the AC mains before performing this procedure. If your unit is equipped with a cord-and-plug connection, disconnect the power plug. If your unit is permanently connected to the building electrical service, turn off the circuit breaker that supplies the AC power source.

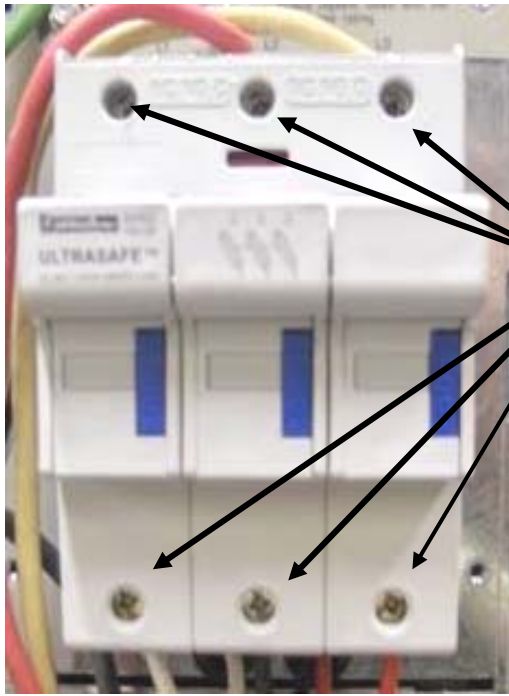
Agilent will replace the AC fuse holder/line cord module or repair your 6692A free of charge. Please follow the directions in the section “**What to do if you find your 6692A is defective**”.

When connecting the AC line cord to the AC fuse holder/line cord module, you must use a torque of 35 inch-pounds (4 Newton-meters) on the screws. See Figure 1

There is an Installation Note Agilent p/n 5969-2944 that is shipped with the 6692A. This document describes to the user critical information that is required when installing the power cord.

This document has the following **WARNING**:

“Installation of the power cord must be done by a qualified electrician and in accordance with the local electrical code”.



The six (6) clamp screws indicated must have 35 inch-pounds (4 Newton-meters) of torque to firmly secure the AC conductors. This ensures adequate mechanical pressure

Figure 1

To check if the line cord is properly clamped, use a torque driver with the proper tip and set the torque to 35 inch-pounds (4 Newton-meters). Loosen each of the 6 (six) screw clamps shown in Figure 2 and then retighten to 35 inch-pounds (4 Newton-meters) After each screw clamp is properly torqued to 35 inch-pounds, (4 Newton-meters) perform a wire-pull check to ensure the clamp is properly working and that the wire is secure. You should pull the wire in the vertical direction only and with enough force to give the confidence that the wire is clamped securely and cannot pull out. If the wire is secure, then your AC fuse holder/line cord module is not defective and your 6692A will work without fault.

If, after applying 35 inch-pounds of torque, (4 Newton-meters) you are able to pull out the wire, then you have a defective AC fuse holder/line cord module.

After you have applied the proper torque to each terminal, and have verified that each wire is held tight, re-install the AC safety cover, as shown in Figure 2

IMPORTANT NOTE

Also assure that the AC input safety cover is properly installed after the power cord is connected to the 6692A as shown in Figure 1. This AC input safety cover is required to protect the user from electrical hazards, including hazards that might otherwise arise from loose power cord wires.

Figure 2: Rear view of the 6692A and the AC input safety cover.

**Figure 1**

What to do if you find your 6692A is defective

If your 6692A has a defective AC fuse holder/line cord module, Agilent will provide a free replacement AC fuse holder/line cord power module. The AC fuse holder/line cord module (Agilent part number 2110-1312) is field installable by a qualified service technician. You may also return your 6692A with a defective AC fuse holder/line cord module to any Agilent Service Center, where Agilent will install a new AC fuse holder/line cord power module at no charge.

NOTE

If there is a 6692A that has the defect described will be repaired even if it does not fall in the serial number range described above.

Replacement of the AC fuse holder/line cord module P/N 2110-1312 will not affect the calibration of the instrument. Instrument verification is recommended when the AC fuse holder/line cord module p/n 2110-1312 is replaced.