

MODIFICATION RECOMMENDED

E4360A-01

S E R V I C E N O T E

Supersedes:
NONE

**E4360A - MODULAR SOLAR ARRAY SIMULATOR
MAINFRAME 1000W, GPIB, LAN, USB, LXI**

Serial Numbers: ALL

Due to inductive coupling resulting from the AC and DC cables being tied together, a communication error occurs.

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	x ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 0.5 Hours
LOCATION CATEGORY:	x CUSTOMER INSTALLABLE x ON-SITE x SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: ALWAYS	
AUTHOR:	TK	PRODUCT LINE: SP	
ADDITIONAL INFORMATION: This issue would not be found unless an environmental class A surge test is performed, therefore, the cost for repair is labeled as NO CHARGE for all units.			

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PRINTED IN U.S.A.

August 16, 2011

Rev. 18



Situation:

During the surge test the AC cables and the DC cables inductively couple forcing the unit to stop communicating through the GPIB.

Solution/Action:**SPECIAL NOTE**

This change will not affect the products specifications. The instrument will not require calibration or Initialization.

Testing

It is recommended that performance testing be done after the instrument has been upgraded.

1. Refer to the E4360A Solar Array Simulator Service Guide (See link below)
The Service Guide should be used for assembly and disassembly of the blower cover.
<http://cp.literature.agilent.com/litweb/pdf/E4360-90010.pdf>
2. Refer to the general location of the cables in Figure 1 below.



Figure 1

3. Figure 2 shows incorrectly dressed AC and DC cables

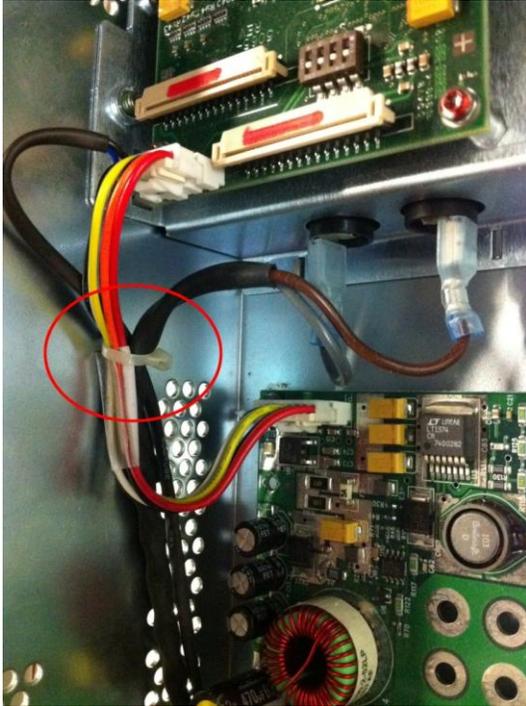


Figure 2

4. Separate the AC cables (brown and black with the plastic harnesses) and the DC cables. Pull the cable with the blue and black wires up as shown Figure 3 below.



Figure 3

5. Secure the AC cable to the screw as shown in Figure 4:



Figure 4

6. Attach the DC harness to the outwards protruding hole on the chassis as shown in Figure 5:

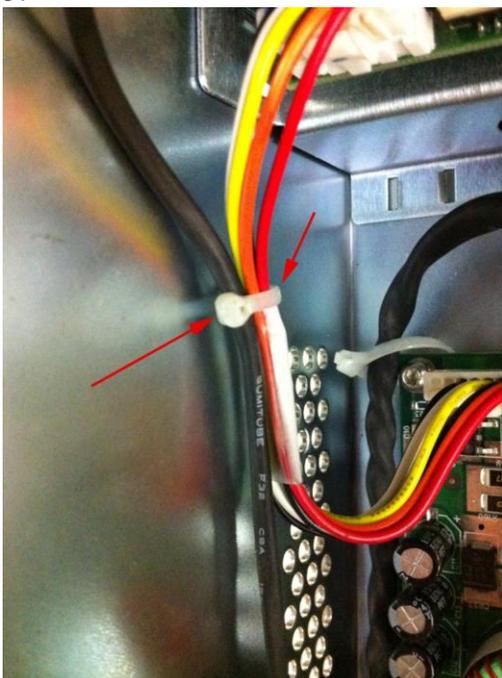


Figure 5