

MODIFICATION RECOMMENDED

N6705A-02A

S E R V I C E

N O T E

Supersedes:
N6705A-02

N6705A DC Power Analyzer

Serial Numbers: MY47000111 / MY47000251

Restricting the movement of the Front Panel FFC Cable

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

P/N	Description	Qty.
0515-0430	T-10 Screw	2
5002-2857	Deflector	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR: 1.0 Hours	
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☒ ON-SITE ☒ SERVICE CENTER	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☒ SEE TEXT	USED PARTS: ☐ RETURN ☐ SCRAP ☒ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE NO CHARGE AVAILABLE UNTIL: October 16 2009		
AUTHOR: WIU PRODUCT LINE: SP			
ADDITIONAL INFORMATION:			

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October 16, 2007

Situation:

The N6705A unit is missing a deflector (P/N 5002-2857) between the front panel FFC cable (P/N 5185-8823) and the connector J112 on the P1000 board (P/N 5022-1209). This causes the connection between the FFC cable and the connector to loosen due to vibration.

Solution/Action:

To eliminate the vibration of the FFC cable it will be secured as shown in the following figures.

Testing Note

After the updates described below have been completed turn on the unit and allow the instrument to complete self-test. This update will not affect the calibrating or performance specifications.

Electrostatic Discharge (ESD) Precautions

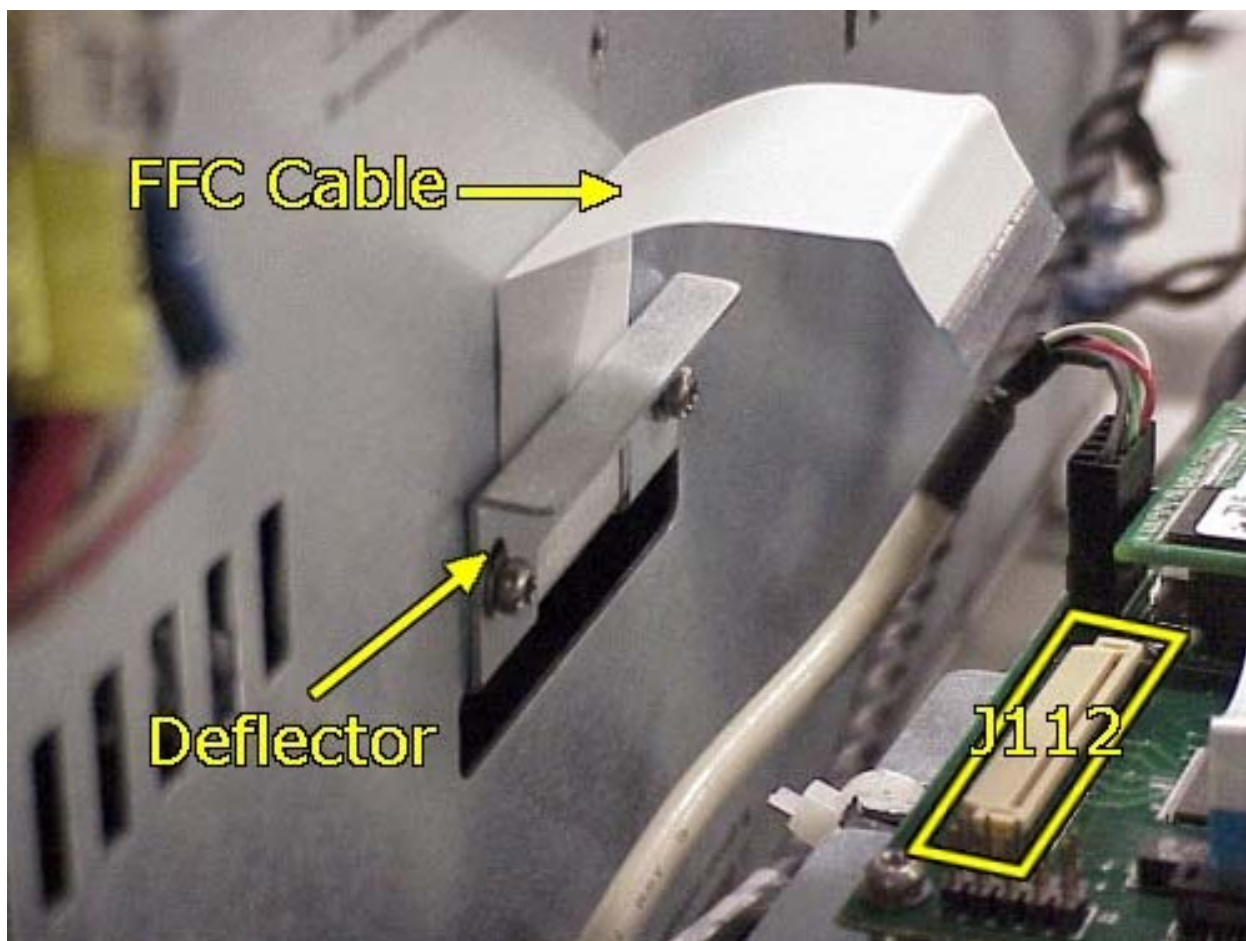
Electrical components can be damaged by electrostatic discharge (ESD) during handling. Component damage can occur at electrostatic discharge voltages as low as 50 volts. The following guidelines will help prevent ESD damage when servicing the instrument or any electronic device.

- Disassemble instruments *only* in a static-free work area.
- Use a conductive work area to reduce static charges.
- Use a conductive wrist strap to reduce static accumulation.
- Minimize handling.
- Keep replacement parts in original static-free packaging.
- Remove all plastic, foam, vinyl, paper, and other static-generating materials from the immediate work area.

Disassembly

Follow the instructions on page 51 of the N6705A Service Manual to disassemble the top chassis

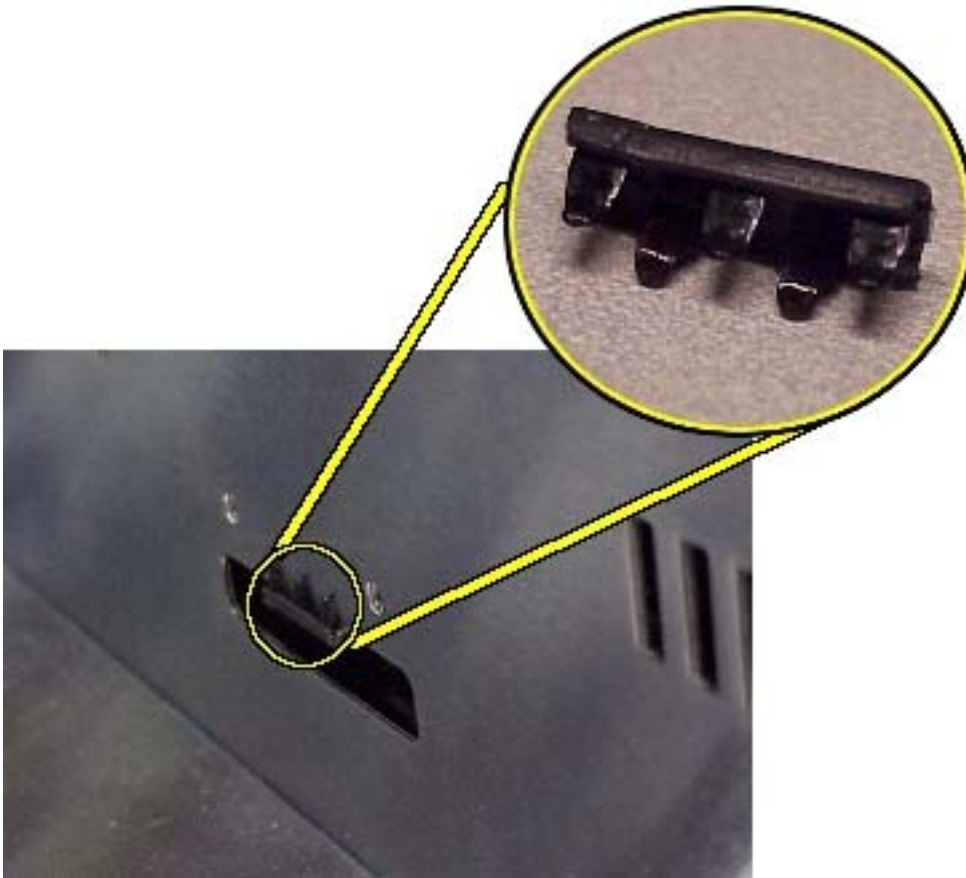
Figure 1. Demonstration of the correct placement of the deflector



If the deflector is not present as show in **Figure 1**, then follow the instructions on page 64-65 of the N6705A in order to separate the front panel from the mainframe.

Do not proceed past Step 5, because there is no need to remove the sub panel.

Figure 2. Close-up of the grommet that needs to be removed



Remove and discard the grommet in **Figure 2** if it is present.



Failure to remove the grommet will damage the FFC cable when installing the deflector

Make sure that the FFC Cable is properly aligned before securing the deflector with the two T-10 screws.

If you reassembly the front panel to the mainframe and find it difficult to properly seat the FFC cable, do not attempt to force it in. Disassemble the front panel from the mainframe and re-align the FFC cable.

Reassembly

Make sure that all other cables are fully inserted before reassembly. Follow the instructions on page 64-65 of the N6705A Service Manual to reassemble the front panel to the mainframe.