

S E R V I C E N O T E

SUPERSEDES: None

37704A Test Set

Serial Numbers: 0000U00000 / 9999U99999

Power supply unit modification

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

Part No.	Description	Ref Designator
0757-0444	Resistor 12.1 Kohms	A16R10 (PSU)

Situation:

When a 37776A Optical plug-in is installed in a 37704A, a problem can occur due to the Power Supply Unit being unable to cope with its load. The problem shows itself with the instrument processor becoming hung, the front panel leds stuck on and the display off. See Note below.

Note:

Normal instrument operation should resume once 37776A is removed.

Continued

DATE: May 1995

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 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
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: ER	ENTITY: 1400	AGILENT RESPONSIBLE UNTIL: May 1997	
		ADDITIONAL INFORMATION:	

Action:

Remove the existing Power Supply Unit resistor A16R10 and replace it with 12.1 Kohms (p/n 0757-0444) resistor. See the following procedure for retrofit instructions.

Procedure:

1. Use the 37704A Service Manual, p/n 37704-90000, pages 5-7/8 to access and remove the Power Supply.
2. Locate the small board mounted vertically to the Power Supply motherboard.
3. Locate R10 on the small board (reference designator printed on board).
4. R10 may be directly accessible or it may be obscured by a large capacitor loaded in front of it. If directly accessible, remove R10 and replace with the new p/n 0757-0444 (12.1 Kohms resistor). If obscured by a large capacitor, remove the small board before replacing R10.
5. Use the reverse procedure to replace the modified Power Supply.
6. Perform Self Test to verify instrument operation (see Service Manual page 3-3).