

S E R V I C E N O T E

SUPERSEDES: None

37724A SDH/PDH Test Set

Serial Numbers: 0000U00000 / 3305U00537

Power supply unit modification

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

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

Situation:

When a 37776A Optical plug-in is installed in a 37724A, a problem can occur due to the Power Supply Unit being unable to cope with its load. The problem shows itself with the instruments processor becoming hung, the front panel leds stuck on and the display off. See Notes below:

Note 1: Problem appears only at a) high temperature and/or b) high line voltage (220V).

Note 2: Normal instrument operation should resume once 37776A is removed.

Continued

DATE: May 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" 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 1996	
		ADDITIONAL INFORMATION:	



Action:

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

Procedure:

1. Use the 37724A Service Manual, p/n 37724-90000, 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 (12.1k ohms 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 pages 3-3/4).