

S E R V I C E N O T E

SUPERSEDES: None

**37717B PDH/SDH/ATM Jitter Test Set**

**Serial Numbers:** 0000A00000 / 9999Z99999

**Instrument Fails to Power-up due to PSU Module Problem.**

**To Be Performed By:** Agilent-Qualified Personnel

**Parts Required:**

Part No.	Qty.	Description
0950-2957	1	200 Watt Power Supply Module

**Situation:**

A problem with the 37717B Power Supply Module can prevent the instrument from powering up properly under certain circumstances. Typically, the display will be blank, the fans will not be turning and the front panel leds will not be lit.

**Solution/Action:**

It is recommended that all units in the above range should have a replacement Power Supply Module fitted if the above failure occurs or is suspected.

*Continued*

DATE: January 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
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 checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GH	ENTITY: 1400	AGILENT RESPONSIBLE UNTIL: January 1998	
		ADDITIONAL INFORMATION:	

Follow the procedure below when changing this Power Supply Module.

**CAUTION**

Suitable safety precautions must be observed when working with the Power Supply Module as lethal voltages are present on and near this assembly. Always ensure the instrument is disconnected from the line supply before starting this replacement procedure.

**Procedure:**

1. Switch off the 37717B and DISCONNECT THE POWER CORD.
2. Remove the rear panel feet.
3. If Optical Modules are fitted (option UH1 or UH2) unscrew the optical shield from the input and output connectors.
4. Withdraw the outer cabinet sleeve back and out of the instrument.
5. Remove the clamp screws along the top and bottom right-hand side of the chassis which secure blanking plates and modules.
6. Withdraw all modules (or blanking plates) from the unit using the two knobs to help with removal - if difficult to remove, CAREFULLY lever with a small flathead screwdriver. Place modules SAFELY to one side in anti- static bags.

**CAUTION**

Modules must be removed and fitted in the correct sequence to prevent damage. From front to back when removing.  
From back to front when fitting.

7. With the instrument face-up on the bench, unplug the cables/connectors from J8 and J18 on the Motherboard (A3).
8. Cut the plastic tie-wrap which joins the fan cable to A3 J18 cable.
9. Unscrew the 6 posidrive screws securing the Line Input Assembly to the top, bottom and rear of the instrument.
10. Unscrew the x posidrive screws securing the Power Supply Module to the top, bottom and rear of the instrument.
11. Remove the Line Input Assembly and Power Supply Module together from the instrument.

12. With the Power Supply Module on the bench, carefully prise off the plastic shield which covers the PSU Module input connector block (this is done by pushing down on the plastic shield through the slot in the top of the module with a screwdriver until this shield is released).
13. Disconnect the five wires from the input connector block by unscrewing their securing screws (wires are located as shown in Figure 1). Remove and discard the old PSU Module.
14. Fit the new PSU Module as a reversal of steps 7 to 13. (Fit a new tie-wrap in step 8).
15. Replace all the modules back into the instrument in the same order as they were removed.
16. Replace the outer cabinet sleeve, optical module shields and rear panel feet - this is a reversal of the removal procedure.

**Testing**



Ensure the voltage selector switch on the instrument rear panel is set correctly for the line voltage in use.

1. Switch on the instrument and check for a valid display.
2. Obtain a pass on all instrument Selftests.

The instrument is now ready for use.

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not connected - - - - - | -0 | +MLU
not connected - - - - - | -0 | - MLU
  Red(1)      - - - - - | -0 | 110V
  Black(1)    - - - - - | -0 | LINK
  Red(2)      - - - - - | -0 | L
  Black(2)    - - - - - | -0 | N
  Green       - - - - - | -0 | GND
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NOTE            Red(1) & Black(1) are from the VOLTAGE SELECTOR SWITCH  
                  Red(2) & Black(2) are from J1 on the 37717-60518 Board Assembly

**Figure 1 - PSU Input Connector Block Wiring**