

S E R V I C E N O T E

SUPERSEDES: None

3784A Digital Transmission Analyzer

Serial Numbers: 3117U02250 / 3117U02400

Power supply failures due to faulty cable assembly**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

Part No.	Description
03785-60140	Cable assembly

Situation:

3784A instruments in the above serial range are intermittently failing power up tests. The PSU switches on and off and the fault appears to be the protection circuitry of the PSU.

The fault is caused by a badly made crimp connector within the cable assembly 03785-60140.

Solution/Action:

If any of these units are encountered see above for list of serial numbers) the cable assembly 03785-60140 should be replaced. The cable can be located in the rear of the instrument and connects the A25 board to the A20 motherboard.

Continued

DATE: October 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☒ AGREEABLE TIME	STANDARDS: Labor 1.0 Hour	
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		AGILENT RESPONSIBLE UNTIL: October 1996
AUTHOR: DBG	ENTITY: 1400	ADDITIONAL INFORMATION:	

Procedure:

1. Switch off the instrument and disconnect the power cord.
2. Remove the rear panel feet.
3. Lower the rear panel and locate cable assembly 03785-60140, which is connected between A25 P4 and A20 J3 (4-wire cable, 2 brown and 2 orange).
4. Replace cable assembly with new cable.
5. Re-dress the cables in the rear panel to avoid jamming when re-assembling the rear panel to the chassis. Screw rear panel feet back into position.
6. Connect power cord and check instrument powers up properly.