

S E R V I C E N O T E

SUPERSEDES: None

**37717A PDH/SDH Test Set**

**Serial Numbers:** 0000U00000 / 3345U00600

**Build Status:** N/A

**Mechanical Shock can disconnect output cable from PDH Tx Assembly.**

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

**Situation:**

37717A instruments in the above serial range are prone to losing the 75 ohm PDH transmit signal.

This is caused by the connector and cable which carries this signal to the PDH Tx/Rx Module front panel becoming detached from the socket on the PDH Tx Board Assembly.

**Solution/Action:**

If any of these units are encountered (see above for list of serial numbers) the hardware modification described below should be performed. This involves removing the PDH Module from the instrument, then separating the Tx and Rx board assemblies to allow access to cable A7 J4. This cable is then re-routed in such a way as to avoid relay A7 K2 which is responsible for separating the cable plug from J4 when the cable is turned.

*Continued*

DATE: May 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
<b>MODIFICATION RECOMMENDED</b>			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input 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 type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GH	ENTITY: 1400	AGILENT RESPONSIBLE UNTIL: Ma 1996	
		ADDITIONAL INFORMATION:	

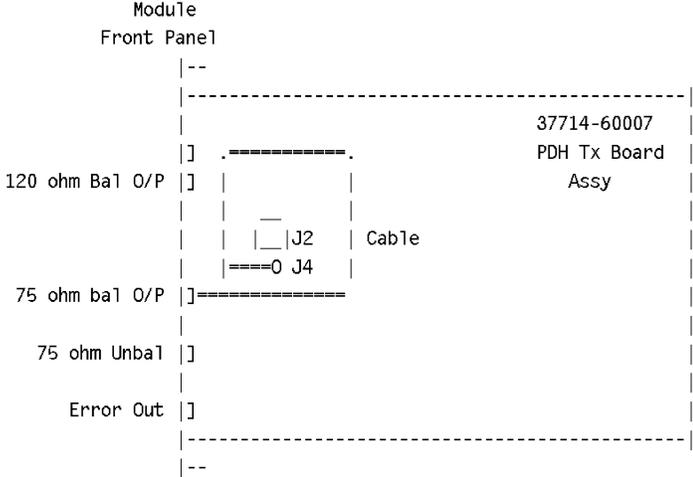
**Procedure**

1. Switch off the instrument 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 securing all modules to the left of the PDH module (inclusive). These screws are located along the top and bottom right-hand side of the chassis.

**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.

6. Withdraw all modules and blanking plates from the instrument back to and including the PDH Module. Use the two knobs on the module front panel to help with removal if required.
7. On the PDH Module, remove the four screws attaching the Rx Board Assembly to the Tx board Assembly (the Tx board is identified as 37714-60007).
8. Remove the two spacers fitted between the Rx Board and the front metal work.
9. Separate the two boards to allow access to the cables and connectors on the PDH transmitter Assembly.
10. Locate the coax socket A7 J4 and re-route the plug-in connector and cable leading from this socket to the Front Panel as shown in Figure 1.
11. Re-attach the two board assemblies with the four screws and two spacers.
12. Fit the PDH assembly back into the instrument and re-assemble as a reversal of the above procedure.



**Figure 1 - Showing Preferred Route for cable A7 J4 to Module Front Panel**