

S E R V I C E N O T E

SUPERSEDES: NONE

37714A PDH/SDH/Jitter Test Set

Serial Numbers: 0000U00000/3339U00200

Options: UKK (Unstructured PDH)

Mechanical Shock can disconnect output cable from PDH Tx Assembly

To be Performed by: Qualified Service Personnel

Situation

37714A 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 is 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: October 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	IMMEDIATELY ON SPECIFIED FAILURE AGREEABLE TIME	STANDARDS:	LABOR 0.5 Hours	
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 1995	
AUTHOR: DBG	ENTITY: E610	ADDITIONAL INFORMATION:		

Procedure

Removing the PDH Module

1. Switch off the 37714A 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 up to and including the Unstructured PDH Module (this module is marked PDH on the module Front Panel).
6. Withdraw all modules (or blanking plates) up to and including the Unstructured PDH Module from the unit using the two knobs to help with removal

Ensure you note which slots each module is fitted into - they must be replaced in the same slots when reassembling.

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.

The last module out is the PDH Module - this is the one to be modified.

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 metalwork.
9. Separate the two boards to allow access to the cables and connectors on the PDH transmitter Assembly.
10. Locate the coaxial 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.
13. Replace the outer cabinet sleeve, optical module shields and rear panel feet - this is a reversal of the removal procedure.

Testing

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

The instrument is now ready for use.

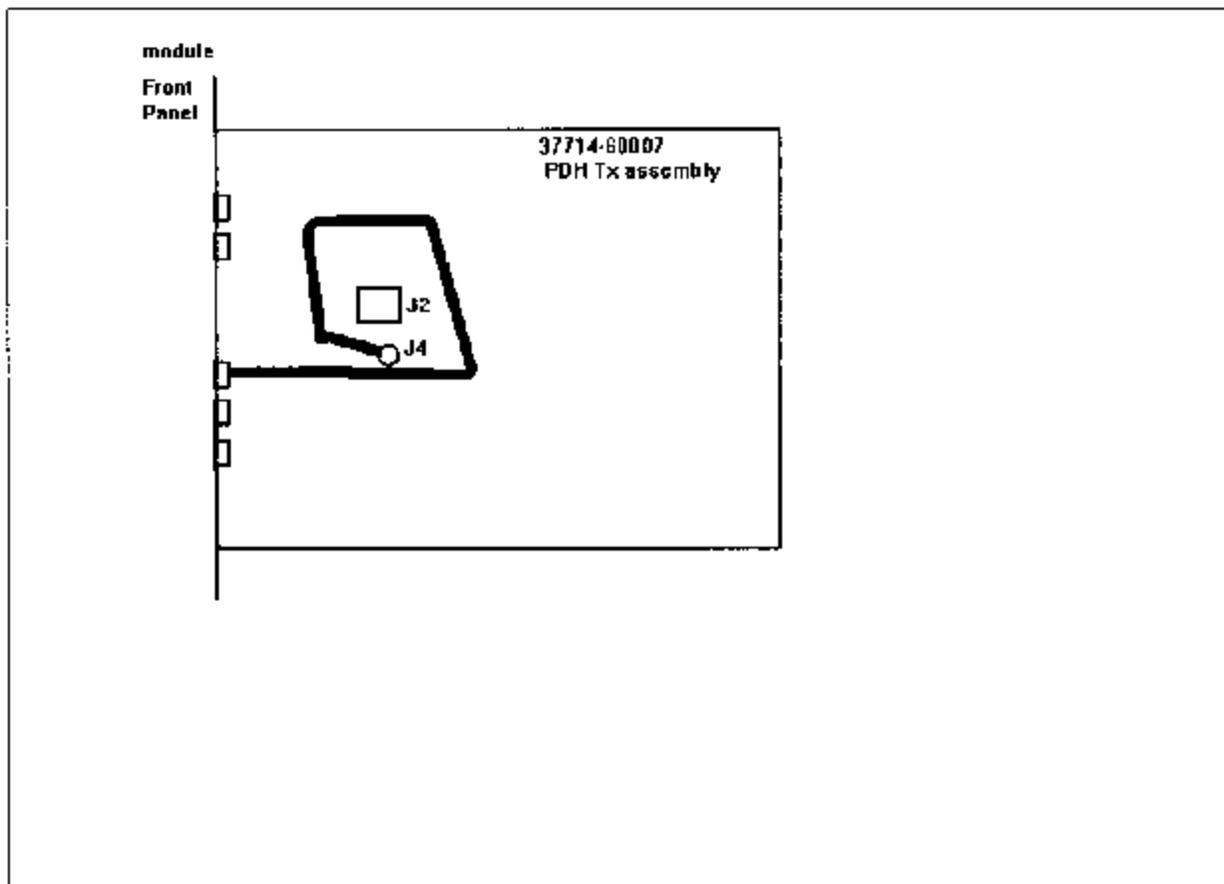


Figure 1 : Showing Preferred Route for cable A7 J4 to Module Front Panel