S E R V I C E N O T E

SUPERSEDES: None

E1652A 75000 Series 90 Modular SONET/SDH Analyzer

Serial Numbers:
E1672A: AU00000000 / AU32022109
E1674A: AU00000000 / AU32024065

Firmware Revisions: All

Disabling of ECLTRIG1 Line on E1405A or E1405B Command Module due to incorrect pin connection on E1672A or E1674A Transport Overhead Module.

Duplicate Service Notes:
E1650A-04
E1652A-03
E1655A-01

Parts Required:
End Cutters C&K model 3784 (or smaller)
IC Part Number 1820-4197

Continued

DATE: 11 January 1993

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:	IMMEDIATELY	AGILENT RESPONSIBLE UNTIL: 11 January 1994	
AUTHOR: DGH	ENTITY: Y900	ADDITIONAL INFORMATION:	

Agilent Technologies

Situation:
75000 Series 90 Modular Sonet/SDH Analyzers with Transport Overhead Modules with Serial numbers as shown above have a -5.2 volt supply incorrectly connected to pin A3 of the P2 connector of the E1672A and E1674A. This connects via the E1400B VXI Mainframe backplane, to the ECLTRG1 output of the E1405A/B. This causes the ECLTRG1 output to be rendered inoperative. This will not in any way affect the operation of the Series 90 but will affect any VXI modules which use the ECLTRG1 output and are used in the same mainframe as the Series 90.

Solution:

Note

Be sure to carry out the modifications in the order they appear in this Service Note

E1672/4A Modification:

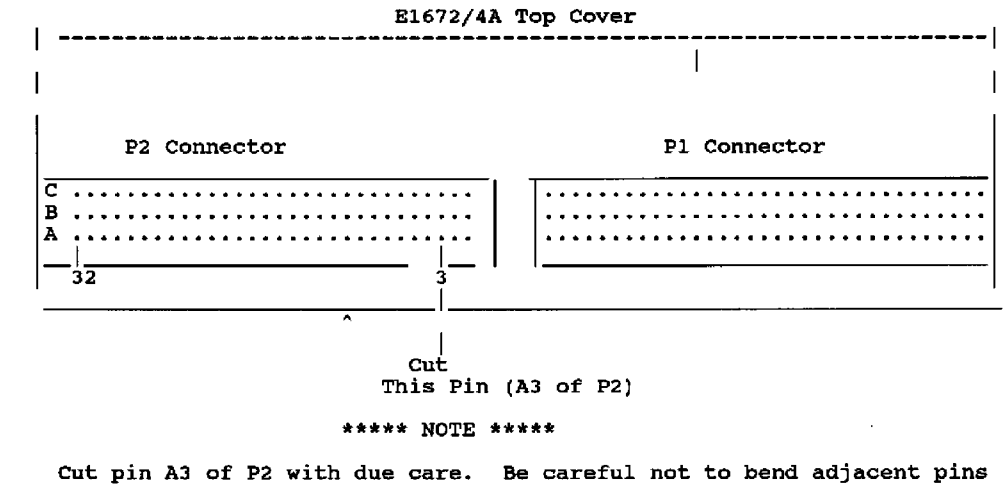
WARNING

Observe eye safety precautions by wearing safety glasses while carrying out this operation.

Procedure:
Using the cutters recommended, clip pin A3 of the P2 connector on the E1672/4A module, off at the connector base so that it cannot make contact with the corresponding socket in the mainframe backplane. Be sure to capture the off cut of the pin to ensure that it cannot cause damage.

Refer to figure 1 below to locate the correct pin.

Figure 1



E1405A/B Modification:

1. Remove the Top Cover of the E1405A/B Command Module by removing the 7 TORX screws and loosening the front panel hardware. Disconnect the battery from the mother board before removing the top cover completely.
2. Replace U82 (P/N 1820-4197) on the motherboard of the E1405AB Command Module.
3. Route the battery leads toward the front of the module and away from the memory printed circuit board.
4. Re-connect the battery lead and re-assemble the front panel and top cover.
5. Test the Series 90 by running the System Diagnostics. If the Series 90 software is not available, then the E1405A/B and E1672/4A can be tested in an E1400B Mainframe using a terminal or PC and sending a *TST? command. Refer to the E1405A/B Users manual for information concerning these tests.

If you require further information or assistance, contact Doug Hayne at the Australian Telecom Operation.

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