

S E R V I C E N O T E

SUPERSEDES: None

3070 Board Test System

Stripping insulation from POTS rack power line improves performance

Systems Affected:

All E1085A POTS Systems with E1135A Power Distribution Units shipped prior to June 1, 1996.

Situation:

Recently a customer had a problem with intermittent power to the POTS rack. The problem was found to be a poor connection between the line filter and the ac power inside the E1135A PDU. The insulation on the wire used in that connection was not stripped back enough. As a result the connection was partially clamped on the insulation. The problem was resolved by disconnecting each ac input wire from inside the E1135A PDU and removing enough insulation so that the connection clamped on the wire.

Several other POTS systems have been checked and most of them have the same problem. Since this connection can cause power problems, all POTS systems need to be re-worked at your earliest convenience. If a customer is reporting intermittent power to the POTS bay, this is likely the problem.

Continued

DATE: August 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
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 type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GS	ENTITY: 0980	AGILENT RESPONSIBLE UNTIL: August 1997	
		ADDITIONAL INFORMATION:	

Solution:

This is the process to re-work the connections on all E1135A PDUs located in a POTS bay. Systems with the older E1131A PDUs are not affected.

WARNING:

Hazardous voltages, capable of causing injury or death, are present inside the PDU as long as “mains” power is connected to the PDU.

1. Remove the ac “mains” source to the POTS bay by unplugging the ac input cord.
2. Loosen the strain relief around the E1135A input cable.
3. Remove the front panel using a T10 Torx driver and slide it over the input cable. There are 5 wires leading from the input cable. The green wire is ground and does not need to be changed.
4. Disconnect the four power input wires ONE AT A TIME so that it is clear where to return each wire. These are 12-gauge wires. A stripper for this size wire is needed. Each wire needs to be stripped to a length of 9/16 inch (14 mm).
5. Reinsert each wire and TIGHTEN the connector securely. Be careful that no insulation is inserted into the connection. Check each connection by pulling the wire with needlenose pliers to verify that it is firmly in place.
6. Replace the front panel and tighten the strain relief.
7. Plug in the ac input cord and confirm that the POTS system power up correctly.