

S E R V I C E N O T E

SUPERSEDES: NONE

6655A Zero Ohm Resistor Breakdown

Serial Number: US36391100 / US36391500

Zero Ohm Resistor Breakdown

Duplicate Service Notes: 6555A-04

To Be Performed By: Agilent-Qualified Personnel

Parts Required:

06655-69051 Exchange Tested Tunnel Assembly

Situation:

Unit blows primary AC line Fuse FX450, no output.

- F450 (100V)15A 2110-0054
- " (120V)12A 2110-0249
- " (220/240V)7A 2110-0614

The zero ohm resistors: R229, 230, 232, R329-R332 insulation is breaking down and shorts to the feed through holes under them. This puts 170 volts on the drive OP-Amp and the output FET's gate, resulting in damage to these parts.

On very rare occasions other devices could also be damaged. F402, F403; 2110-0697, U740; 1858-0047, U741; 1858-0077, Q670; 1854-0872.

Continued

DATE: February 2001

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 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: BM	ENTITY: 2100	AGILENT RESPONSIBLE UNTIL: December 2001	
		ADDITIONAL INFORMATION:	



Solution / Action:

Replace the entire output tunnel assembly, p/n 06655-69051 and return old assembly to ATLS.

Disassembly Instructions:

- 1- Remove four strap handles, screws and hardware.
- 2- Remove four rear panel screws, two inside the plastic lock- block.
- 3- Flip the rear panel over and rest it on the top of the unit.
- 4- Disconnect the tunnel board power connectors J202,203 and the phone connectors J301,302 on the left and right tunnel boards.
- 5- Slide the old tunnel assembly out, and return to ATLS.
- 6- Install the new tunnel assembly and follow the above procedure in reverse to re-assemble.