

S E R V I C E N O T E

SUPERSEDES: NONE

E1401B 13-SLOT, C-SIZE MAINFRAME

Serial Numbers: See below

MAINFRAME TRIPS GFI CIRCUIT BREAKERS

Duplicate Service Notes:

- E1401A-06 Serial Numbers: 0000A00000 / 9999Z99999
- E1401B-01 Serial Numbers: 0000A00000 / 9999Z99999
- E1421B-01 Serial Numbers: 0000A00000 / 9999Z99999

To Be Performed By: Customer

Situation:

The E1401B VXI mainframes will not work on a GFI circuit. The problem is caused by the Y-capacitor in the line filter. This filter is required for regulatory emissions compliance. Note that this problem will exist in most high power, 3-wire (line, neutral, earth) equipment. In general, GFI breakers are intended for use with consumer 2-wire equipment. Use with higher power, 3-wire equipment may not be appropriate. The E1401B VXI mainframe meets the following safety and EMC standards:

Safety:

- IEC 1010-1 (1990) Incl. Amend 1 (1992)/EN61010-1 (1993)
- CSA C22.2 #1010.1 (1992)
- UL 3111-1 (1994)

DATE: August 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR Hours
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 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: DMT	ENTITY: MXD	AGILENT RESPONSIBLE UNTIL:	
		ADDITIONAL INFORMATION:	



EMC:

CISPR 11:1990/EN55011 (1991): Group1 Class A

IEC 801-2:1991/EN50082-1 (1992): 4kVCD, 8kVAD

IEC 801-3:1984/EN50082-1 (1992): 3 V/m

IEC 801-4:1988/EN50082-1 (1992): 1kV Power Line .5kV Signal Lines

The product also complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC (inclusive 93/68/EEC) and carries the "CE" mark accordingly. None of the above standards require operation on a GFI circuit. There are no plans to modify the design of the E1421B to work with GFI breakers.

Solution / Action:

Replace GFI outlets/breakers with standard three-wire outlets.