

S E R V I C E N O T E

SUPERSEDES: None

E1401A VXI C-Size High-Power Mainframe

Serial Numbers: 3227A00466 / 3227A01135

Modification to ensure that, in any country where the regulatory requirements of CISPR 11 regarding conducted emissions are in force (includes all European Common Market countries), the E1401A Mainframe will meet those requirements.

Parts Required:

Part No.	Qty.	Description
E1401-69201	1*	Power Supply (Exchange Assembly)

*Note: This part may not be required. (See text)

Situation:

E1401A power supplies (new p/n 0950-2283) which are marked as revisions C, D, E, F or G (and which are not modified according to vendor specifications, as indicated by a white label on the supply marked "ECO 932443") are likely to fail the requirements of CISPR 11 with regard to conducted emissions. The extent of the failure is small, with the allowable limits being exceeded by a relatively small amount (approximately 2dB or less).

No operational characteristics of the E1401A are affected by this condition and there are no visible symptoms of the problem. In fact, the actual failure can only be verified using

Continued

DATE: 12 August 1993

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 1.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" 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 checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR:	ENTITY:	AGILENT RESPONSIBLE UNTIL: 12 August 1994	
		ADDITIONAL INFORMATION:	

special measuring equipment under controlled conditions.

Power supply revisions A, B, and H or greater do not fail and are not affected by the provisions of this service note.

Solution/Action:

NOTE:

THIS SERVICE NOTE ONLY APPLIES TO E1401A MAINFRAMES IN THE REFERENCED SERIAL NUMBER RANGE THAT COME IN FOR SERVICE TO AN AGILENT SERVICE CENTER, AND WHERE THE E1401A POWER HAS NOT FAILED.

IF THE E1401A MAINFRAME POWER SUPPLY HAS A FAILURE OTHER THAN THE CONDITION DESCRIBED IN THIS SERVICE NOTE, NO CHARGES (PARTS OR LABOR) ARE TO BE MADE AGAINST THIS SERVICE NOTE. CHARGES SHOULD BE MADE AGAINST NORMAL WARRANTY OR TO THE CUSTOMER (IF THE MAINFRAME IS OUT OF WARRANTY).

THE WARRANTY PERIOD FOR ANY E1401A MAINFRAME IS THREE (3) YEARS FROM THE DATE OF SHIPMENT.

Every E1401A mainframe in the referenced serial number range that comes in for repair should be inspected for the service note condition as follows:

1. If the power supply has failed for any reason, ignore this service note since it does not apply. Replace the power supply with an exchange assembly (p/n E1401-69201) charging parts and labor to normal warranty or to the customer (if out of warranty).
2. If the power supply has not failed:
Inspect the rear panel of the power supply. If a label is visible stating that this service note (E1401A-03) has been worked, or that the power supply is modified to ECO 932443, or that it is revision H or greater, then ignore this service note. It does not apply to this particular E1401A Mainframe and its power supply.
3. If the provisions of steps 1 or 2 are not met, turn off power to the mainframe and remove the power cord from the power supply.
4. Remove the power supply from the mainframe as follows:

- a. Using a torx T10 screwdriver, remove the seven screws securing the power supply to the mainframe. (Note: Two of the screws are also holding the two plastic “feet” in the upper corners of the E1401A rear panel.)
 - b. Grasp the two large rings on the power supply and remove it from the frame.
5. Inspect the power supply for the revision letter. If it is revision C, D, E, F, or G AND does NOT have a label with “ECO 932443” on it indicating that the supply has been modified by the vendor (ZYTEC), then replace the power supply with an exchange assembly (p/n E1401-69201). Be sure to verify that the exchange assembly is either modified (ECO label) or is revision H or greater, then install the new supply.
6. If the power supply is already a valid unit (modified or Rev H or greater), then the original supply should be re-installed.
7. Apply a label to the rear panel of the power supply that is visible when the power supply is installed. Any small blank label may be used.
State on the label: “Service Note E1401A-03 Worked”.