

S E R V I C E N O T E

SUPERSEDES: NONE

E1411B 5 1/2 Digit Multimeter (VXI C-size)

Serial Numbers: 0000A00000 / 9999Z99999

Replacement transformer stops Ohms drift.**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

P/N	Description	Quantity
9100-4849	XFMR-1:1.8,5WATT	1

Situation:

Transformer T1 is part of an on board switching power supply which furnishes +5VDC, -15VDC, +15VDC and +20VDC to the inguard section of the E1411B. The input inductance of this transformer is critical for the correct operation of the switching supply. The input inductance should be no less than 650mH. When the supply is operating correctly, the output is approximately 24VAC. This leaves a small margin of regulation for the +20VDC supply. The +20VDC output is used to power the operational amplifiers in the Ohms current source. If the supply voltage to the current source drops below +18VDC the op-amps run out of gain and the circuit becomes unstable and drifts.

Solution / Action:

Replace the faulty transformer and re-calibrate.

DATE: October 1999

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 Hours
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 type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: DMT	ENTITY: 0960	AGILENT RESPONSIBLE UNTIL:	October 2001
ADDITIONAL INFORMATION:			