

S E R V I C E N O T E

SUPERSEDES: None

11713A Attenuator/Switch Driver

Serial Numbers: 0000A00000 / 2508A10841

Reduced Noise Susceptability

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

Part No.	Description	Qty.
0160-4441	Capacitor, Fixed, 0.47 uF, 50 VDC, Ceramic	5

Situation:

A change to the value of the filter capacitors on the A7 board has been made to eliminate false switching of non-selected drive channels. The cause is ringing or noise on the 5 VDC line caused by switching of the internal relays on the A2 board, A2K1 or A2K2.

Solution/Action:

Replacing A7C3, C4, C7, C8, & C9, 0.01 uF capacitors with 0.47 uF capacitors eliminates the problem. The new part, part number 0160-4441 is a drop-in replacement for the old part, part number 0160-2055. Open the instrument by removing its covers. Remove the A7 board from the front panel. The capacitors in auestion are located immediatley to the right of each of the 5 integrated circuits mounted on the board, when the board is viewed from the component side, with the board part number in the upper left corner. The old parts are reddish-brown in color, and the new parts are yellow-brown. Replace the 5 capacitors with the new part, and reinstall the board in the instrument. The higher capacitance value filters +5 VDC line, and eliminates the incorrect switching of various channels.

DATE: 30 September 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 hrs
LOCATION CATEGORY:	<input checked="" 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: LHL	ENTITY: 4500	AGILENT RESPONSIBILITY UNTIL: 01 October 1995	
		ADDITIONAL INFORMATION:	

