

S E R V I C E N O T E

SUPERSEDES: None

8131A Programmable Pulse Generator

Serial Numbers: 2839G00100 / 2839G00870

Reference Designator / Part Number / Assembly Name

A1 / 8131-66501 / BD AY KEY, Std.

A1 / 08131-66521 / BD AY KEY, Opt. 020

Solution to eliminate crosstalk to the output signal**To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

Part No.	Description	Reference Designator
9140-0748	L-FXD 250uH	A1L1

Situation:

In the instruments with the serial numbers shown above, the display driver may influence the output signal. This results in spikes of about 10 mV.

Continued

DATE: 15 September 1991

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 2.0 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 checked="" type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: September 1993			
AUTHOR: MI	ENTITY: B100	ADDITIONAL INFORMATION:			

Solution/Action:

To solve the problem the Key/Display Board has to be modified. Follow the instructions shown below.

WARNING

The modification requires the instruments' cover to be removed. REMOVE THE POWER CORD BEFORE STARTING REPAIR! Energy available at some points can, if contacted, result in serious personal injury.

CAUTION

Because the instrument's covers are removed and boards are taken out of the frame, the parts are to be installed at a static-free workstation.

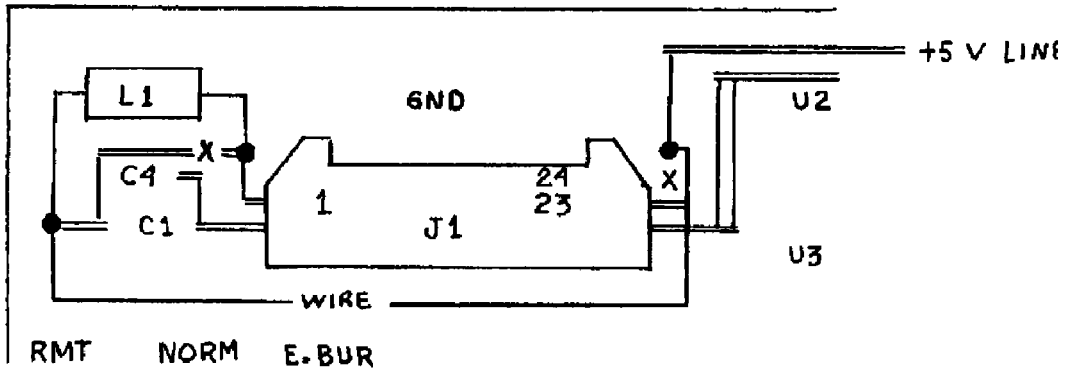
To get access to the keyboard:

Follow the instructions 'Installation of Keyboard Assembly' shown in the Service Manual, page 2-13.

Remove the 8 screws fastening the keyboard to the front plate and carefully remove the board. Remove the ribbon cable from A1J1.

Do the following modification: (refer to page 6.3-29, Service Manual)

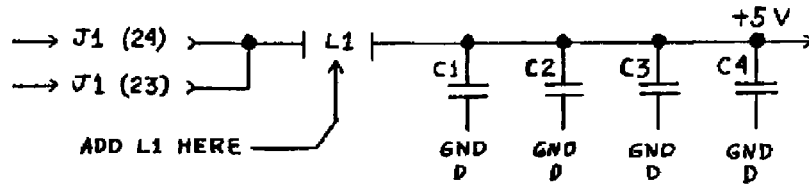
A1 Component Side, left upper corner



Cut the +5 V line at the shown points (X)

Solder the WIRE and/or L1 to the shown points (●)

Following shows the change to the schematics in the service manual.



Reassemble instruments components and covers by reversing the above procedure!

Run a functional check.