

S E R V I C E N O T E

SUPERSEDES: None

**54600B Oscilloscope**

**Serial Numbers:** 3409A00100 / 3409A00222

**Defective BNC center conductor**

**Duplicate Service Notes:**

- 54600A-10
- 54600B-01
- 54601A-10
- 54602A-02
- 54601B-01
- 54602B-01

**To Be Performed By:** Agilent-Qualified Personnel or Customer

**Parts Required:**

Part No.	Description	Reference Designator
54600-62001	Attenuator cover (1-BNC)	(P/O A3)
54601-62001	Attenuator cover (2-BNC)	(P/O A3)

*Continued*

DATE: 29 April 1994

ADMINISTRATIVE INFORMATION

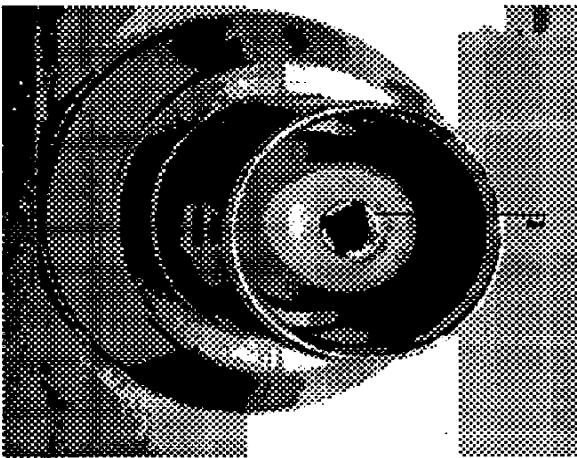
SERVICE NOTE CLASSIFICATION:					
<b>MODIFICATION RECOMMENDED</b>					
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 0.5 Hour		
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT	USED PARTS:	<input type="checkbox"/> RETURN <input checked="" type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE		AGILENT RESPONSIBLE UNTIL: June 1999		
AUTHOR: MRL	ENTITY: 0800	ADDITIONAL INFORMATION: No calibration necessary after repair			

**Situation:**

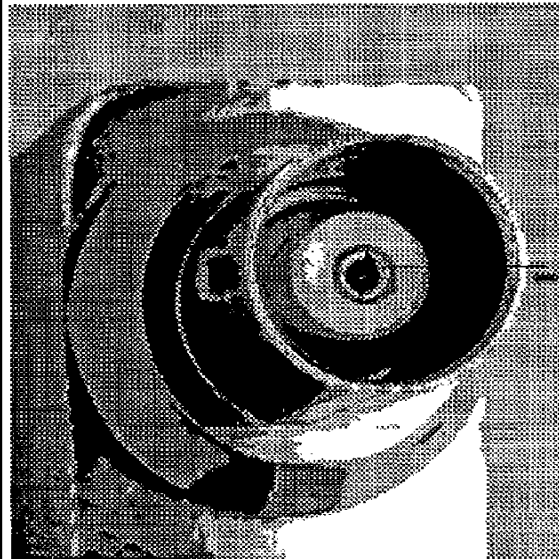
The units with the above serial numbers may have one or more bad BNC's. The center pin was formed improperly and can lead to intermittent connections due to the poor grabbing action of the center pin.

**Solution/Action:**

If a bad BNC is discovered, replace the attenuator cover(s) containing defective BNC's. The disassembly to exchange the attenuator cover is the same as replacing the system board (A3). Be careful not to bend the springs that are under the attenuator cover. Also some units will have a metal spring that grounds the attenuator cover to the metal deck, make sure it is seated properly when reassembling. After the scope is fully assembled, perform an "Autoscale" using the probe calibrator output. Test all channels to insure they display the signal. The scope does not need to be recalibrated.



**Figure 1**  
**Example of a Bad Connector**



**Figure 2**  
**Example of a Good Connector**