

S E R V I C E N O T E

SUPERSEDES: None

**54601A Oscilloscope**

**Serial Numbers:** 3106A00259 / 3106A00625

**Recommended ROM replacement corrects autoscale problems with small signals**

**Duplicate Service Notes:**

- 54600A-02
- 54601A-02

The above listed instruments may not Autoscale properly with low amplitude signals. Spec is 20 mv pp minimum amplitude, and these units will probably malfunction at about 30 mv pp minimum amplitude and indicate (“no signal found”).

If this causes measurement/application problems for a customer, the ROM must be replace. Order part number 54600-80005 or contact Colorado Springs, Product Support Department.

*Continued*

DATE: 15 September 1991

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 1.0 Hour
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input 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 checked="" type="checkbox"/> SEE TEXT
AUTHOR: R.W.B.	ENTITY: 0800	RESPONSIBLE ENTITY: 0800	UNTIL: September 1993
		ADDITIONAL INFORMATION:;	



**To Replace ROM:**

1. Remove power.
2. Using a #15 Torx screwdriver, remove cabinet screws, then slide unit out of cabinet.
3. On system pc board, locate U42 (it's the one in a socket), and remove.

**Note:**

Note pin 1 location before removing

4. Replace with new ROM.
5. Re-install unit in cabinet and apply power.
6. Perform Firmware Cal (page 86 & 87 in Service Manual).
7. Return old ROM to Agilent Colorado Springs, Product Support Department.