

## S E R V I C E N O T E

SUPERSEDES: None

**54512B Oscilloscope****Serial Numbers:** 3214A00191 / 3214A00343

Test Failure:

**Fails to trigger in Line Sync Trigger mode.****Duplicate Service Notes:** None**Situation:**

Due to installation of an incorrect line filter, instruments in the above serial number range may fail in the Line Sync Trigger mode.

**Solution/Action:**

Use the following procedure to determine if the incorrect line filter is installed:

1. Select the TRIG menu and place the scope in the “trig’d” mode.
2. Select LINE with the “source” softkey.
3. If the word “running” appears in the upper left corner of the screen, the proper line filter is installed. If the words “awaiting trigger” appear in the upper left corner of the screen, the incorrect line filter is installed and will require replacement.

*Continued*

DATE: 30 July 1992

## ADMINISTRATIVE INFORMATION

|                                 |  |   |   |
|---------------------------------|--|---|---|
| SERVICE NOTE CLASSIFICATION:    |  |   |   |
| <b>MODIFICATION RECOMMENDED</b> |  |   |   |
| ACTION CATEGORY:                | <input type="checkbox"/> IMMEDIATELY<br><input checked="" type="checkbox"/> ON SPECIFIED FAILURE<br><input checked="" type="checkbox"/> AGREEABLE TIME | STANDARDS:<br>Labor 0.5 Hour  |   |
| LOCATION CATEGORY:              | <input checked="" type="checkbox"/> CUSTOMER INSTALLABLE<br><input type="checkbox"/> ON-SITE<br><input checked="" type="checkbox"/> SERVICE CENTER     | SERVICE INVENTORY: <input type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT | USED PARTS: <input checked="" type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT |
| AVAILABILITY:                   | PRODUCT'S SUPPORT LIFE   |   | AGILENT RESPONSIBLE UNTIL: 01 September 1994  |
| AUTHOR: TG                      | ENTITY: 0800   | ADDITIONAL INFORMATION:   |   |



Use the following procedure to replace the incorrect line filter.

1. Remove the top cover, rear panel, and power supply as outlined in the service manual (P/N 54512-90906).
2. Unsolder and remove the green ground lead from the solder lug on the rear panel. This lead runs from the line filter to the rear panel.
3. Remove the two screws which attach the line filter to the rear panel using a T-10 screwdriver.
4. Using a flat-blade screwdriver, remove the switch actuator M19. Insert flat-blade screwdriver in slot where actuator and switch are attached. Use a twisting motion with the screwdriver while pulling forward on the actuator to detach the actuator from the switch.
5. Install line filter/line sync transformer (P/N 54512-62701) by reversing the above process. Install the actuator by pushing it onto the switch shaft until a click is heard.
6. Plug the connector from the line sync transformer (transformer is around grey lead of the line filter assembly) into J10 on the main board assembly.
7. Repeat steps 1 thru 3 of the test procedure to confirm proper operation of the instrument.