

54506B-01

S E R V I C E N O T E

SUPERSEDES: None

HP 54506B Oscilloscope

Serial Numbers: 3219A00100 / 3219A00115

Test Failure:

Fails to trigger in Line Sync Trigger mode.

Duplicate Service Note: 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:			
MODIFICATION RECOMMENDED			
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"/> HP LOCATION	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	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.