

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

SUPERSEDES: NONE

**54601B Oscilloscope****Serial Numbers:** 0000A00000 / 9999A99999**New Attenuator Cover****Duplicate Service Notes:**

54601B-03

54602B-03

**Situation:**

Due to a manufacturing change, Agilent is using a new attenuator cover design.

The SMO pipeline for the 54600B, 54601B, 54602B, and 54603B pc boards will include pc boards with both the new and old types of attenuator covers. Older covers (pc board rev A or B) only need to be replaced if the BNC's are damaged or faulty. The new attenuator design (pc board rev D) will have BNC's separate from the attenuator housing which will be replaced if the BNC's are damaged or faulty.

**Solution/Action:**

To replace a damaged BNC connector, inspect the base of the BNC near the oscilloscope chassis. If the BNC connector has no markings, the attenuator cover will need to be

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DATE: January 1996

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

**INFORMATION ONLY**

AUTHOR:

CLD

ENTITY:

0840

ADDITIONAL INFORMATION:

replaced. This can be further verified by inspecting the attenuator housing. If it is comprised of one part, the cover will need to be replaced. The part numbers are as follows:

54601-62001                      Attenuator Cover (2-BNC)

If the BNC connector shows the number 54601-27601, only the BNC connector need be replaced. This can be further verified by inspecting the attenuator housing. If it is comprised of a lid and an attenuator housing assembly, only the BNC connector need be replaced. To replace the BNC connector, order a new BNC connector (part number 54601-27601) for each damaged connector.

1. Remove the system board from the oscilloscope following the instructions provided in the Service portion of the User and Service Guide.
2. Remove the attenuator cover by sliding the cover toward the back of the instrument and tilting up and out.
3. Unsolder the center conductor wire from the damaged BNC connector.
4. Using a T10 screwdriver, remove the screw behind the attenuator housing assembly holding the BNC in place.
5. Remove the BNC connector by pulling straight out the front of the attenuator housing assembly.
6. With the good BNC connector, align the pin and screw hole so the BNC connector is flush to the attenuator housing assembly.
7. Reverse the steps to reattach the BNC connector and reassemble the instrument. Remember to resolder the center conductor.

The part numbers applicable to this type of repair are as follows:

54601-27601	BNC connector
0515-0430	Screw (attaches BNC to attenuator housing)
0515-0667	Screw (attaches system board to chassis through attenuator)