

hp MODEL 175A OSCILLOSCOPE
Serials Below 530-04101

IMPROVED HIGH FREQUENCY TRIGGERING

The following modification improves high frequency triggering in the above instruments by eliminating radiated signals in the Trigger Source switch and Trigger Level switch.

This modification entails the installation of a coaxial lead, two jumper wires and the removal of one switch contact.

The coaxial lead improves triggering when the 1782A Display Scanner or 1784A Recorder plug-in is used. The jumper wires provide a reliable signal path which replaces rivets as conductors. The rivets have been known to make poor contact. Removal of the switch contact reduces high frequency trigger jitter and eliminates radiated internal trigger signals from overriding low level external trigger signals.

Modification Procedure

- a. Remove bottom cover from Oscilloscope and locate Trigger Source switch and Trigger Level switch.
- b. Solder two jumper wires (bare wire 1/4" long) as shown in Figure 1.
- c. Remove switch contact located on Trigger Source switch as shown in Figure 1.
- d. Install 7" coaxial lead (hp Part No. 175A-16AT) in place of green/orange wire as shown in Figure 1. Ground coaxial shield to ground lug on Trigger Level switch.
- e. Recalibration is not necessary after modification.

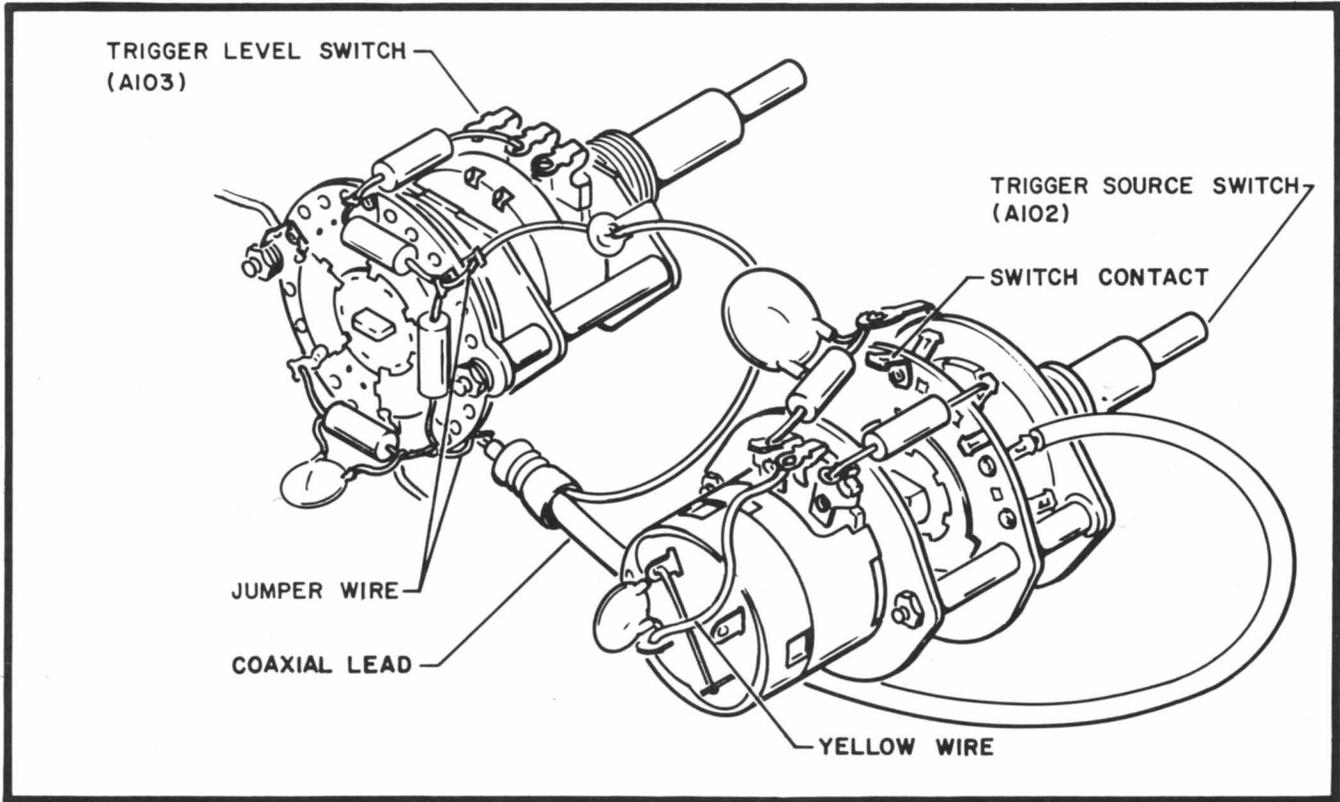


FIGURE 1. MODIFICATION LOCATIONS