



FIELD MODIFICATION KIT

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TEK 040-267

Type 561

date

August 1, 1961
(revised 6/20/62)

ADAPTATION TO TYPES 76 & 77 PLUG-INS

For Tektronix Type 561 Oscilloscopes
Serial numbers 102-578, with exceptions.

INTRODUCTION:

Installation of this modification adapts the above listed instruments for use with the Types 76 & 77 Plug-in units. It removes the 6V DC unregulated from pin 18, of the interconnecting sockets and changes the trigger signal leads to coaxial cable for proper shielding. It also reduces ripple in the -12V Supply on instruments below serial number 420.

KIT LIST:

Quantity	Description	Tek Number
1 ea.	Cable, coaxial 50 Ω RG/174 6 in.	(175-068)
1 ea.	Cable, coaxial 50 Ω RG/174 5-3/4 in.	(175-068)

INSTRUCTIONS:

- () 1. Locate the two (2) interconnecting sockets at the rear of the plug-in housings.
- () 2. Unsolder and remove the white-yellow and white-orange wires between pins 3 and 4 of the two (2) interconnecting sockets.
- () 3. Solder the longest length of coaxial cable (from kit) to pins 3 and 4 of the left socket to pins 3 and 4 of the right socket. Run the cable through the grommet vacated in Step 2 (see Fig. 2, on page 3).

NOTE: Be sure that you connect the center conductor of the coaxial cable between pin 4 of the left socket and pin 3 of the right socket, as shown in Fig. 2.

- () 4. Unsolder the two (2) white-red-black wires from pin 18 of the right socket.
- () 5. Unsolder the white-red-black wire from pin 18 of the left socket.
- () 6. Trim and tape the wires, unsoldered in Steps 4 and 5, in order to prevent shorting.

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INSTRUCTIONS: (continued)

- () 7. Solder the remaining length of coaxial cable (from kit) between pins 18 and 19 of the left socket and pins 18 and 19 of the right socket, using the large grommet hole.

NOTE: The center conductor connects between pins 18 and the shield connects to pins 19 (see Fig. 2).

STEPS 8 THROUGH 11 APPLY ONLY TO INSTRUMENTS BELOW s/n 430, WITH EXCEPTIONS

NOTE: If your instrument does not have the strap shown in dotted lines between the 150 Ω and 220 Ω resistors, as indicated in Fig. 1, disregard Steps 8 through 11.

- () 8. Remove the 220 Ω , 2 w. resistor (R744) from notch 10 of the ceramic strips (see Fig. 1).
- () 9. Remove the end of the strap (shown in dotted lines) from notch 10 of the upper strip, trim it and resolder to notch 10 of the lower strip (see Fig. 1).
- () 10. Replace the 220 Ω , 2 w. resistor removed in Step 8.
- () 11. Remove the 100 Ω , 1/2 w. 10% resistor (R898) mounted between the Calibrator switch and the Cal Out connector, and replace it with the 100 Ω , 1/2 w. 1% precision resistor from the kit.

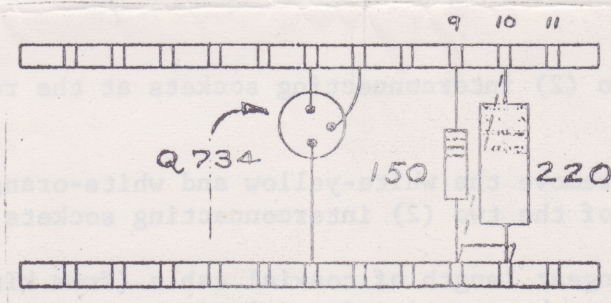


FIG. 1

- () 12. THIS COMPLETES THE INSTALLATION. Check wiring for errors.
- () Paste the schematic cutouts, on page 4, in your Instruction Manual.

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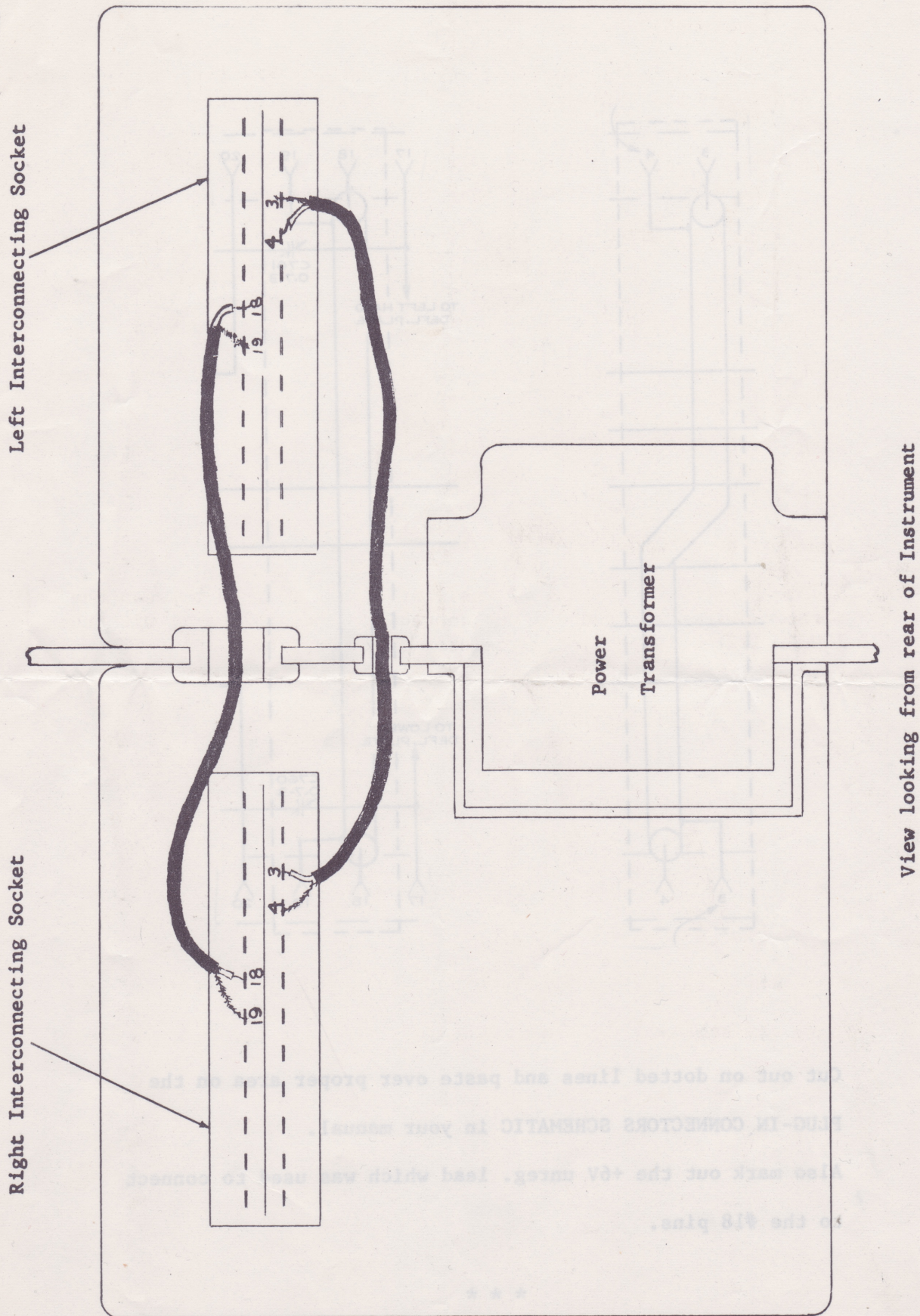
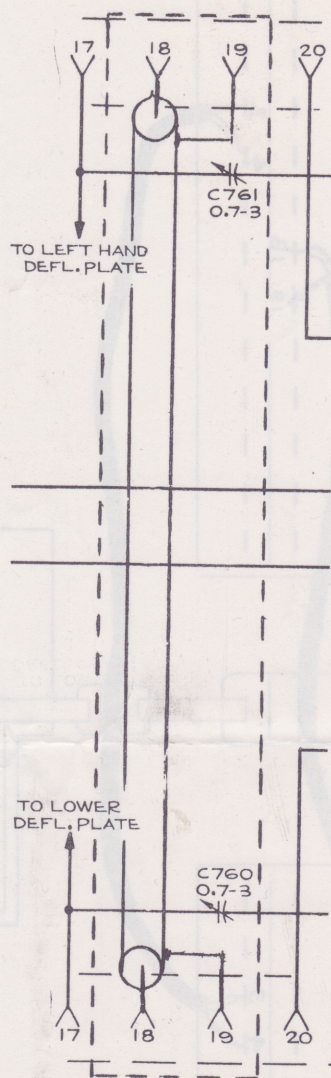
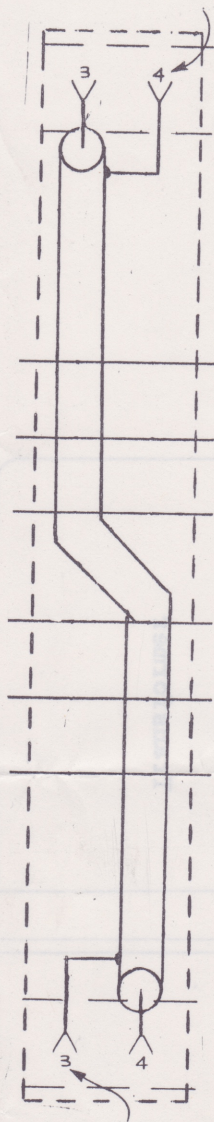


FIG. 2



Cut out on dotted lines and paste over proper area on the
PLUG-IN CONNECTORS SCHEMATIC in your manual.

Also mark out the +6V unreg. lead which was used to connect
to the #18 pins.

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