



product modification

050-0070-01

M6375

Type 575,
575-MOD 122C

TRANSISTOR SELECTOR SWITCH REPLACEMENT

For the TEKTRONIX® Types 575 and 575-Mod 122C Transistor Curve Tracers
Serial Numbers 101-5909

Transistor selector switch, pn 260-0463-00, replaces
pn 260-0409-00, or pn 260-0197-00. The new switch has
an improved action, designed to prevent 'freezing' and
to increase reliability.

NOTE: If the serial number of your instrument is
above those listed, or if this kit has been
installed, disregard the instructions and
use pn 260-0463-00 as a direct replacement.

PARIS INCLUDED IN PARTS REPLACEMENT KIT:

Quantity	Part Number	Description
1 ea		Assembly, Transistor Selector switch, consisting of:
1 ea	210-0845-00	Washer, flat, 5/8 x 1/2 x 0.020
1 ea	260-0463-00	Switch, lever, locking
1 ea	302-0101-00	Resistor, cmpsn, 100Ω 10% 0.5W
1 ea		Wire, #22 solid, white, 3 in
1 ea	210-0206-00	Lug, solder, SE10, long
2 ea	162-0502-00	Tubing, plastic, #16, black, 2 in
2 ea		Wire, #22 solid, white-yellow, 7 in
1 ea		Wire, #22 solid, white-green, 5 in
1 ea		Wire, #22 solid, white-green, 2 in
1 ea		Wire, #16 solid, bare, 5 in
1 ea		Marker, identification

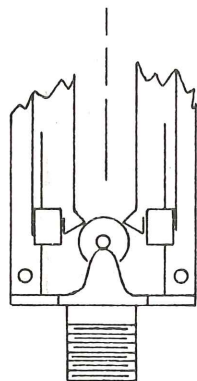


Fig. 1

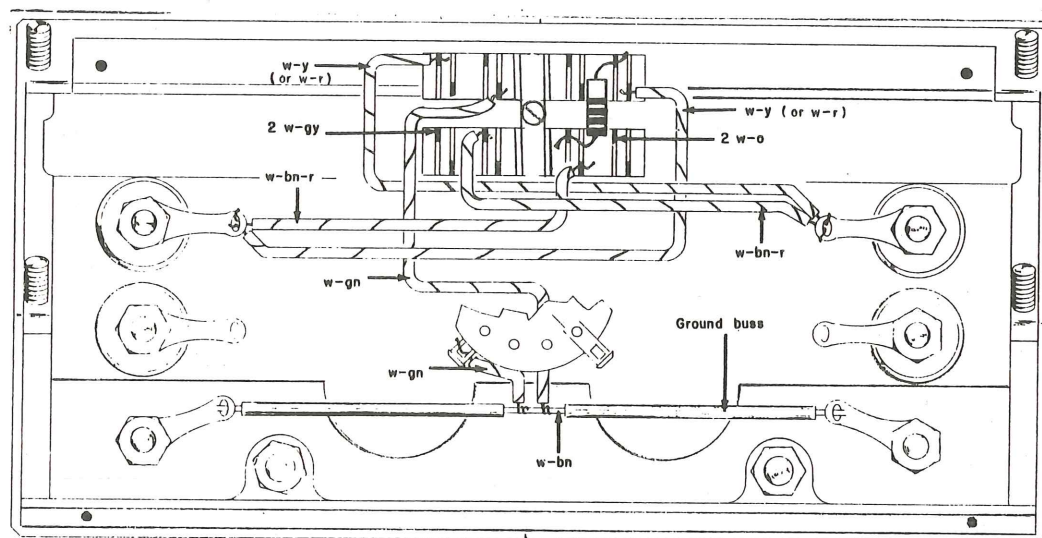


Fig. 2

INSTRUCTIONS:

- () 1. Remove the bottom covers from both the instrument and the transistor test panel assembly.
- () 2. Unsolder the white-brown wire from the ground buss (or lug) inside the test panel.
- () 3. Unsolder all the wires from the Transistor Selector switch (TRANSISTOR A - TRANSISTOR B), except those wires soldered between lugs on the switch itself.

NOTE: For Type 575 only, completely remove the white-green wire (to ground) and two white-yellow (or white-red) wires (to collector terminals on test panel).

- () 4. Remove the entire test panel assembly from the instrument (held with four nuts behind the front subpanel).
- () 5. Remove the Transistor Selector switch from the test panel assembly.
- () 6. Cut away that portion of the ridge, located inside the test panel frame, that interferes with the installation of the new switch (approximately 0.25 inch from both sides). Also, if necessary, enlarge the mounting hole with a drill or reamer.
- () 7. Install the Transistor Selector switch assembly (from kit) as shown in Figs. 1 and 2. Orient the switch so the 100 Ω resistor is on the TRANSISTOR A side.
- () 8. Add a ground lug, a buss wire and two lengths of plastic tubing (from kit) as shown in Fig. 2. (Disregard this step for instruments which already have a ground buss).
- () 9. Solder the 2 in. white-green wire from EMITTER GROUNDED - BASE GROUNDED switch to the center of the ground buss (see Fig. 2).

NOTE: Omit this step for instruments which already have a wire connected here.

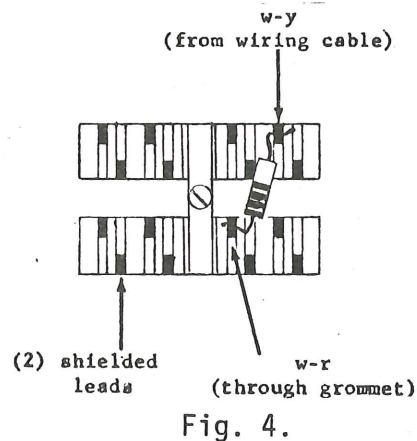
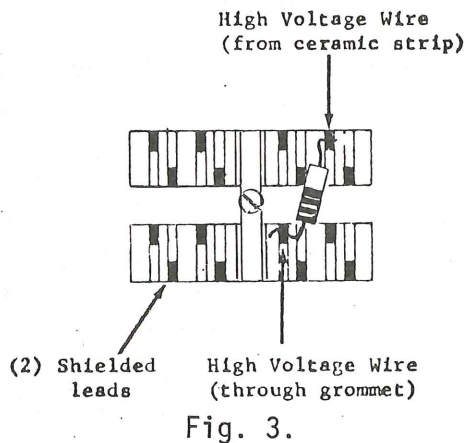
STEPS 10 AND 11 REFER TO TYPE 575 ONLY.

- () 10. Solder the 5 in. white-green wire (from kit) between the Transistor Selector switch and the center of the ground buss (see Fig. 2).
- () 11. Solder the two white-yellow wires (from kit) between the Transistor Selector switch and the collector test terminals, as shown in Fig. 2.

INSTRUCTIONS (continued)

ALL INSTRUMENTS.

- () 12. Solder the remaining wires to the Transistor Selector switch, as shown in Fig. 2.
- () 13. Remount the transistor test panel assembly, removed in step 4.
NOTE: Be sure to replace ground lug under mounting nut.
- () 14. Solder the white-brown wire to the ground buss, as shown in Fig. 2.



- () 15. TYPE 575 - MOD 122C ONLY

Resolder the shielded leads from the main chassis and HV wires to the Transistor Selector switch (see Fig. 3).

- () 16. TYPE 575 ONLY

Solder the white-yellow, white-red and shielded leads to the Transistor Selector switch (see Fig. 4).

- () Check wiring for accuracy.
- () Replace the bottom covers removed in step 1.
- () For future reference, an identification marker has been included to indicate that this kit has been installed. After removing the protective backing, place the marker on the instrument rear panel.
- () Change the part number for SW730 in the parts list of your Instruction Manual to 260-0463-00.

JG:cs



Product Modification Kit

DATE _____

KIT NUMBER _____ STEP/PAGE _____

FIGURE NUMBER _____ PUBLICATION DATE _____

DISCREPANCY _____

SUGGESTED CORRECTION / COMMENTS _____

SUGGESTED BY: NAME / ORGANIZATION _____

☐ REPLY REQUESTED

RETURN TO LOCAL FIELD OFFICE / SERVICE CENTER

FIELD OFFICE / SERVICE CENTER / DEL. STA. _____

SERVICE CENTER: RETURN TO PARTS RESEARCH 73-848

REPLY

☐ WILL MAKE CHANGE IMMEDIATELY

☐ WILL MAKE CHANGE AT NEXT PRINTING

☐ OTHER _____

SIGNED _____ DATE _____

