



040-0748-01

7623A, 7633

READOUT CONVERSION

For TEKTRONIX[®] 7623A and 7633 Option 1 Storage Oscilloscopes

All Serial Numbers

This modification kit contains parts and instructions for installing a Readout circuit board in Option 1 instruments. Crt readout provides an alpha-numeric display on the crt of information encoded by the plug-in units. This display is written by the crt beam on a time-share basis with the analog waveform display.

PARTS INCLUDED IN MODIFICATION KIT:

Quantity	Part Number	Description
1 ea	195-0114-08	Assembly, wire kit, consisting of: Wire, ribbon, 2 conductor, 8", w/gry holders Wire, ribbon, 5 conductor, 7", w/blu holders Wire, ribbon, 5 conductor, 21", w/brn holders Wire, ribbon, 5 conductor, 18", w/gry holders Wire, ribbon, 10 conductor, 11" w/vio holders Wire, ribbon, 10 conductor, 14", w/grn holders Wire, 50Ω coax, 9", wht-blk-brn, w/coax conn Wire, 50Ω coax, 8.5", wht-blk-red, w/coax conn Wire, 50Ω coax, 13", wht-blk-orn, w/coax conn & wht holder Wire, 50Ω coax, 17", wht-blk-yel, w/coax conn Wire, 50Ω coax, 11.5", wht-blk-grn, w/coax conn Wire, 50Ω coax, 9.5", wht-blk-red, w/coax conn
1 ea		Wire, 50Ω coax, 19", wht-blk-gry, w/gry holders
1 ea	672-0572-00	Assembly, circuit board, Readout and Protection

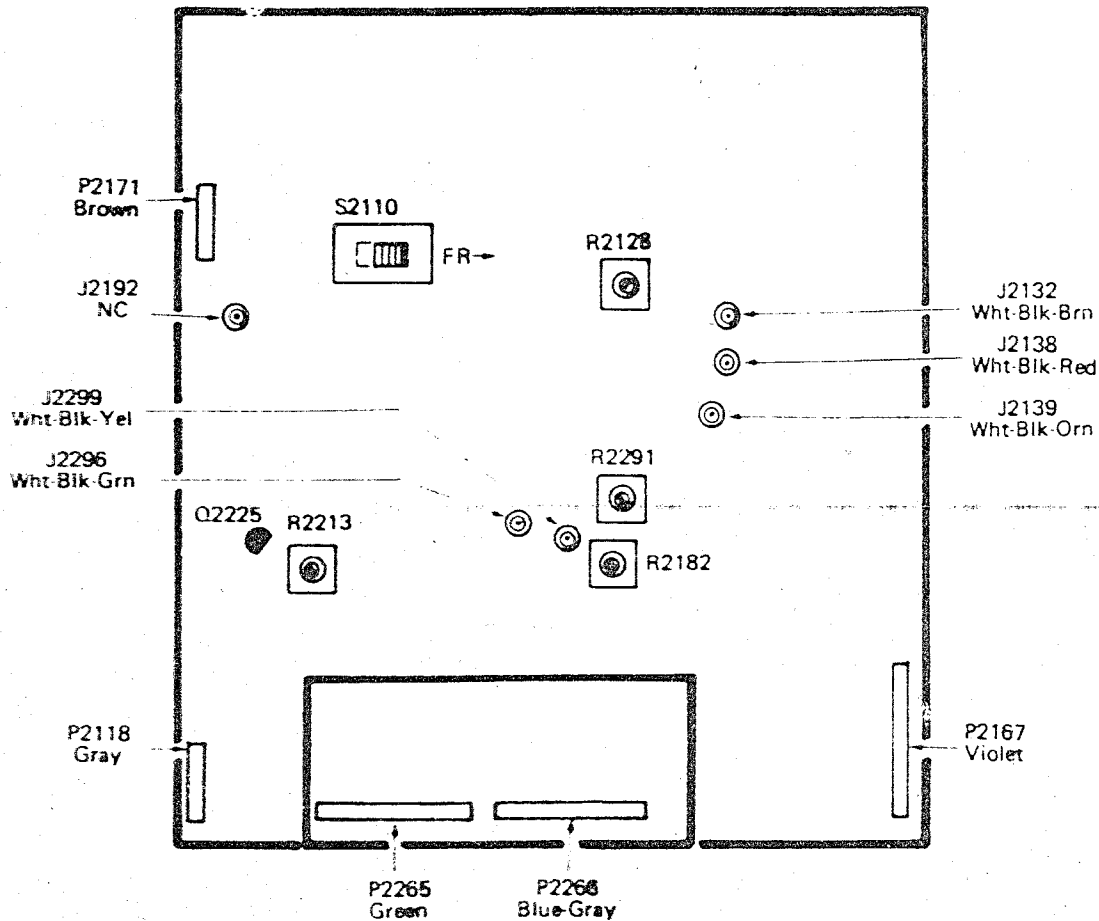


Fig. 1. Readout and Protection circuit board assembly with locations of connectors.

INSTRUCTIONS:

WARNING

Before proceeding, position the POWER switch to OFF, then disconnect the instrument from the power source.

- () 1. Turn the two slotted fasteners on each side cover one-quarter turn counter-clockwise and remove the covers.
- () 2. Install the Readout and Protection circuit board assembly in the circuit board guides on the High Voltage shield and secure it in place with the captive screw.
- () 3. Connect the multi-pin connector cables and coaxial cables provided in the kit between the readout circuit board and the designated circuit boards as follows (refer to Fig. 1):
 - () a. The ten-conductor ribbon wire with violet holders from P2167 to P67 on the Main Interface circuit board (dress wire under the circuit board).
 - () b. The two-conductor ribbon wire with gray holders (one two-conductor and one five-conductor holder) from P2266, pins 6-10, to P68 on the Main Interface circuit board.
 - () c. The five-conductor ribbon wire with blue holders from P2266, pins 1-5 to P66 on the Main Interface circuit board.
 - () d. The ten-conductor ribbon wire with green holders from P2265 to P65 on the Main Interface circuit board.
 - () e. The white-black-orange coaxial cable from J2139 to P39 on the Main Interface circuit board.
 - () f. The five-conductor ribbon wire with brown holders from P2171 to P1411 on the Storage circuit board.
 - () g. The five-conductor ribbon wire with gray holders from P2118 to P1018 on the Storage circuit board.
 - () h. The white-black-green coaxial cable from J2296 to J508 on the Horizontal Amplifier circuit board.
 - () i. The 8.5" long white-black-red coaxial cable from J2138 to J1134 on the Z-Axis circuit board.
 - () j. The white-black-brown coaxial cable from J2132 to J1103 on the Z-Axis circuit board.
 - () k. The white-black-yellow coaxial cable from J2299 to J2534 on the Vertical Amplifier circuit board.

- () 4. Connect the white-black-gray coaxial cable with gray connectors between P504 on the Horizontal circuit board and P38 on the Main Interface.
- () 5. Connect the 9.5" long white-black-red coaxial cable from J1135 on the Z-Axis circuit board to J503 on the Horizontal Amplifier circuit board.
- () 6. Refer to the Calibration Section in your Instruction Manual and perform any necessary checks and adjustments.
- () 7. Reinstall the covers removed in step 1.

For future reference, fasten the Instruction Manual Modification Insert in your instruction manual.

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