



PRODUCT REPLACEMENT

050-1449-01

M34168, M40949
M43994

F1000 REPLACEMENT

For the following TEKTRONIX® Oscilloscopes:

7313/R SN B010100 - B273402	7623/R SN A11
7603/R SN B010100 - B371741	7623A/R SN B010100 - B196313
7613/R SN B010100 - B378410	7633/R SN B010100 - B228121

A 2.0 ampere fuse, pn 159-0023-00, replaces a 3.0 ampere fuse, pn 159-0015-00, or a 3.2 ampere fuse, pn 159-0026-00, for use as the line voltage fuse (F1000) when operating at 100V nominal line voltage.

A 1.25 ampere alternate fuse, pn 159-0041-00, replaces a 1.0 ampere fuse, pn 159-0019-00, a 1.5 ampere fuse, pn 159-0016-00, or a 1.6 ampere fuse, pn 159-0003-00, for use as the line voltage fuse (F1000) when operating at 220V nominal line voltage.

NOTE

If the serial number of your instrument is greater than those listed or if this kit or kit, 050-1448-XX, 050-1450-XX, 050-1451-XX, 050-1452-XX, 050-1453-XX, or 040-0629-XX has been installed, disregard these instructions and use fuse, pn 159-0023-00 or pn 159-0041-00, as a direct replacement for F1000.

PARTS INCLUDED IN PARTS REPLACEMENT KIT:

Ckt. No.	Quantity	Part Number	Description
F1000*	1 ea	+159-0041-00	Fuse, cartridge, 3AG, 1.25A, 250V, 20 sec
F1000**	1 ea	+159-0023-00	Fuse, cartridge, 3AG, 2A, 250V, 5 sec
	1 ea		Marker, ident, voltage & fuse information for bench models
	1 ea		Marker, ident, voltage & fuse information for rackmounted models
	1 ea		Label, 050-kit

*Used for 220V nominal line voltage.

**Used for 110V nominal line voltage.

INSTRUCTIONS:

WARNING

Before proceeding, ensure the POWER switch is off, then disconnect the instrument from the power source.

- () 1. Replace the defective line fuse (F1000) with the fuse provided in the kit that is appropriate for the selected nominal line value (refer to the information in the parts list).

NOTE

The new fuse information is printed on two identification markers provided in the kit. The longer rectangular-shaped marker is for use on standard models; the square-shaped marker is for use on rackmounted models.

- () 2. Remove the protective backing from the appropriate marker and apply it over the fuse information on the rear panel adjacent to the line fuse holder.
- () 3. Check the appropriate box on the marker to indicate the line voltage range being used.
- () 4. Remove the side panels (top panel for rackmounted models).
- () 5. BENCH MODEL ONLY -- Remove the six screws (three on each side) securing the power supply unit to the chassis.

- () 6. BENCH MODEL ONLY -- Carefully slide the power supply unit out of the rear of the instrument until the alternate fuse holder on the Rectifier circuit board is accessible.
- () 7. Replace the fuse stored in the alternate fuse holder on the Rectifier circuit board with the remaining fuse provided in the kit. The alternate fuse holder is located along the right edge of the Rectifier circuit board as viewed from the rear of the instrument.
- () 8. BENCH MODEL ONLY -- Install the power supply unit by performing the reverse of the procedure in steps 5 and 6.
- () 9. Refer to the Calibration section of the Instruction Manual and make any necessary checks and adjustments.
- () 10. Replace the side panels (top cover on rackmounted models).
- () 11. Remove the protective backing from the 050-kit label and apply the label to a clean, dry area on the rear panel. The label indicates this kit has been installed.
- () 12. For future reference, update the Replaceable Electrical Parts list in the Instruction Manual with the information contained in the kit parts list on page 2 of these instructions.

DH:cs