050-1527-00

M42456

CONNECTOR MOUNTING PLATE REPLACEMENT

For TEKTRONIX® 7854 Oscilloscopes

Serial Numbers B010100 - B031244

Connector mounting plate, pn 386-4233-01, replaces connector mounting plate, pn 386-4233-00, which is no longer available. Use of the new connector mounting plate requires adding two spacer posts, two lock washers, and an electrical connector (GPIB).

NOTE

If the serial number of your instrument is greater than those listed above, or if this kit has been installed, disregard these instructions and use connector mounting plate, pn 386-4233-01, as a direct replacement.

PARTS INCLUDED IN PARTS REPLACEMENT KIT:

Quantity	Part Number	Description
1 ea		Assembly, connector mounting plate, consisting of:
2 ea	129-0922-00	Spacer, post
1 ea	131-2203-01	Connector, rcpt, elec, ckt bd, 24 cont
2 ea	210-0008-00	Washer, lock, #8
1 ea	386-4233-01	Plate, connector mounting
1 ea		Label, 050-kit

INSTRUCTIONS:

WARNING

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

( ) 1. Disconnect any cables from the upper rear panel.

( ) 2. Remove the four screws securing the blue upper rear panel to the chassis.

( ) 3. Gently pull the rear panel straight out until the mounting brackets are cleared, then tip the top downward to allow access to the A32 Rear Panel Connector circuit board.

( ) 4. Remove the nut securing the green-yellow ground wire lug terminal to the stud on the connector mounting plate.

( ) 5. Disconnect the following from the Rear Panel Connector circuit board:

- ( ) a. P210, a black single pin connector (white-red wire).
- ( ) b. P400, gray, GPIB cable.
- ( ) c. P4, a yellow multipin connector.
- ( ) d. P108, gray, rear panel connector.

( ) 6. Remove the rear panel from the instrument and orient it for easy access to the Rear Panel Connector circuit board.

( ) 7. Unsolder the following wires from the Rear Panel Connector circuit board.

( ) a. The brown and red wires from the pads located in the corner of the circuit board above the pads for S110.

( ) b. The red-black wire from F12, a 1.5A fast blow fuse.

( ) c. The black wire from ground (pad connected to cathode of Q14).

( ) d. The brown wire from the pad labeled "TO BNC".

( ) e. The red wire from the pad labeled "PB".

( ) f. The orange wire from the pad connected to pin 9 of P4.

( ) 8. Turn the rear panel over and remove the four screws and washers securing the Rear Panel Connector circuit board to the rear panel and remove the circuit board.

( ) 9. Unsolder the GPIB connector (P410), using a vacuum desoldering tool to remove the solder from the pads for pins 1 through 24. Check that all connector pins are free of the circuit board.

( ) 10. Unsolder the EXTERNAL KEYBOARD connector (P280), using a vacuum desoldering tool to remove the solder from the pads for pins 1 through 25. Check that all connector pins are free of the circuit board.

( ) 11. Remove the nut securing the connector mounting plate to the Rear Panel Connector circuit board.

( ) 12. Separate the connector mounting plate from the Rear Panel Connector circuit board.

( ) 13. Remove the hardware securing the EXTERNAL KEYBOARD connector to the mounting plate and transfer the connector to the new connector mounting plate assembly provided in the kit.

( ) 14. Install the Rear Panel Connector circuit board on the new connector mounting plate, ensuring the connector pins are aligned with the holes for P410 and P208.

( ) 15. Secure the connector mounting plate to the Rear Panel circuit board with the nut removed in step 11.

( ) 16. Ensure the Rear Panel Connector circuit board is parallel to the connector mounting plate, then solder the GPIB (P410) and EXTERNAL KEYBOARD (P208) connectors to the Rear Panel Connector circuit board.

( ) 17. Reinstall the Rear Panel Connector circuit board in the instrument by performing the reverse of the procedure in steps 2 through 8.

( ) 18. Check for proper operation of GPIB and EXTERNAL KEYBOARD functions.

( ) 19. Remove the protective backing from the 050 kit label, provided in the kit, and place it on a clean, dry area on the rear panel. The marker indicates this kit has been installed.

( ) 20. For future reference, use the information contained in the kit parts list to update the Replaceable Mechanical Parts list in your Service Instruction Manual.

DH:pa