TEK PRODUCT MODIFICATION

Part No. 045-0211-00 Product Group 60

M78082



P6204 B012172 - B014681

A new flexible circuit board, part number 670-9726-14, replaces previous versions of the circuit board which are no longer available. Installation of the new flexible circuit board requires the addition of a pin strip on the Main circuit board.

First Printing JUL 1992



Copyright [©] Tektronix, Inc., 1992. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. The following are registered trademarks: TEKTRONIX, TEK, TEKPROBE, SCOPE-MOBILE.

045-0211-00

Kit Parts List:

Quantity	Part Number	Description
1 ea.	131-5252-00	Strip, pin: 8 leads
1 e a.	670-9726-14	Circuit board assembly: flexible

Tools Required

Compensation box cover release tool (Tektronix part number 003-1383-00) Suction-type desoldering tool Soldering iron with a maximum tip temperature of 600° F P6204 FET Probe Instruction Manual (Tektronix part number 070-6949-00)

Instructions

All circuit assemblies in the P6204 FET Probe are susceptible to static damage. Service the probe only in a static-free environment and always wear a grounded wrist and foot strap. Observe standard handling precautions for static-sensitive devices while installing this kit.



The flexible circuit board and Main circuit board are easily damaged by excessive heat. To prevent damage to the P6204 FET Probe, observe the following precautions:

- 1. Use only silver solder and a temperature controlled soldering iron with a maximum tip temperature of 600° F.
- 2. Keep the soldering iron contact as brief as possible.
- 3. Observe and note the position of all connections. Check that there are no shorts or opens before assembling the probe.



Figure 1: Compensation Box Top Cover Removal



Figure 3: Flexible Circuit Board Connections to BNC Assembly

.

Pin Strip Main Circuit Board Non-Component Side Figure 4: Location of New Pin Strip
Step 6: Clean the solder out of the connection holes of the Main circuit
board.
Step 7: Insert the pin strip, provided in this kit, on the non-component side of the Main circuit board in the location where the flexible circuit board was connected. Refer to Figure 4.
Step 8: Solder the pin strip securely on the non-component side of the Main circuit board.
Step 9: When the pin strip is firmly soldered to the Main circuit board, break off the pin strip connecting strip.
Step 10: Line up the pins in the holes of the new flexible circuit board, included in this kit, and solder the eight connections.
Step 11: Solder the new flexible circuit board to the BNC connection pins.
Step 12: Inspect the solder connections for shorts or opens and fix any you find.
Step 13: Fit the assembly into the compensation box bottom cover.
Step 14: Place the top cover on the compensation box and press the top and bottom covers together until the two tabs on each side of the compensation box fit into their slots.
Step 15: Perform the Performance Check Procedure in Section 3 of the P6204 FET Probe Instruction Manual to verify that the probe is within specification limits. If adjustments are necessary, perform the Adjustment Procedure in Section 4 of the Instruction Manual.

ł.

045-0211-00

•

í

1

.