

S E R V I C E N O T E

SUPERSEDES: 70004A-03

70004A Display

Serial Numbers: 0000A00000 / 9999A99999

Replacement of keypad keys or retainer spring

To Be Performed By: Agilent-Qualified Personnel or Customer

Situation:

When it is necessary to replace any of the keypad keys or the keypad retainer keypad retainer spring (p/n 70004-00011) on the 70004A Display, use the following procedure.

Removal

1. Remove the line cord. Remove all modules.
2. Remove the four screws that secure the instrument cover. The screws are located at the rear corners of the 70004A Display. Lift the rear of the 70004A and slide the instrument cover off.
3. Loosen, but do not remove, the four screws on the to side closest to the front of the monitor.

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DATE: 03 December 1991

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
INFORMATION ONLY		
AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
SJR	5300	

4. If the 70004A has handles, slide the handle trim strip off the left handle and remove the three screws that secure the handle to the display.
5. Remove the two screws that secure the front bezel assembly to the front frame. These screws are located on the left side of the front frame.
6. Remove the four black 3mm Hex screws that secure the front bezel assembly to the monitor. These screws are located on the front of the instrument.
7. Retain pressure on the right side of the front bezel assembly and remove it beginning from the left side.
8. Carefully disconnect the ribbon cable from the right side of the front bezel assembly and remove it.
9. Place the front bezel assembly on a flat surface face down.
10. Remove the screws that secure the bezel assembly PC board to the front bezel frame. Disconnect the ribbon cable connector of the RPG knob from the PC board. Lift the PC board and the attached rubber press pad from the bezel assembly.
11. Remove any broken pieces of the retainer spring or softkeys from the bezel assembly. Be careful not to turn the bezel over.

Replacement

1. If replacing a softkey, go on to step 2. If replacing the keypad retainer spring, insert the spring so that the flat side of the retainer spring is adjacent to the back of the RPG knob. The tab of the retainer spring will slip into the slot just underneath the back side of the RPG knob.
2. Insert the softkey into the appropriate slot.
3. Replace the rubber pressure pad and the bezel assembly PC board. Make sure that the rubber pressure pad is still attached on to the PC board via the four nipples that protrude through the PC board on the right side. Torque the screws to 3 inch pounds.
4. Reconnect the RPG knob cable connector to the PC board.

5. Insert the right side of the front panel bezel assembly and re-connect the ribbon cable.
6. While holding the right side in place, insert the left side.
7. Secure the front bezel assembly to the monitor using the four black 3mm Hex screws.
8. Secure the front bezel assembly to the right front frame using the two short pozi-drive screws.
9. Tighten the four screws on the top side of the monitor closest to the front of the instrument.
10. Replace the left front handle with the three remaining pozi-drive screws. Replace the trim strip.
11. Replace the instrument cover.
12. Re-connect the line cord and verify operation of the 70004A Display.