

Model DR4500/4500A Circular Chart Recorder Replacement Instruction

Membrane Switch (30754957-501) or (51404929-001)

Document Number Form: 44-45-33-29A
Effective: 2/00
Supersedes: 1/89

Summary Enclosed with this instruction is a new membrane switch (keyboard) for your DR4500 recorder. Use the following procedures to replace the existing membrane switch. The following procedures assume that the chart door is open, the chart plate is swung out, and the power is removed.



WARNING: risk of electrical shock. Never access components inside the case with power applied.

Removing Display PCB Follow the procedure in Table 1 to remove the display PCB. Removing the Display PCB will make the membrane switch replacement task easier.

Table 1 – Removing Display PCB

Step	Action
1	Remove screws, noting location of ground wire connection, and display PCB from the back of the chart plate.
2	Disconnect the plugs from connectors J1 (optional light), J2 (Main PCB), and J3 (Keyboard) on display PCB, as applicable.

**Replacing the
Membrane Switch**

Follow the procedure in Table 2 to replace the membrane switch,

Table 2 – Replacing the Membrane Switch

Step	Action
1	Carefully pry the membrane switch from the front of the chart plate pulling the cable plug through the slot.
2	Press the new membrane switch, feeding the cable plug through the slot, firmly into place so display is visible through cutout.

Installing Display PCB Follow the procedure in Table 3 to reinstall the display PCB.

Table 3 – Installing Display PCB

Step	Action
1	Reconnect the plugs to connectors J1 (optional light), J2 (Main PCB), and J3 (Keyboard) on display PCB, as applicable.
2	Place the display PCB over mounting holes and secure with screws, connecting ground wire as noted in Step 1 of “Removing Display PCB”.
3	Close the chart plate.
4	Apply power and run the “Key Test. See the Product Manual supplied with the recorder for details.

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