

Model DR4300 Circular Chart Recorder Upgrade/Replacement Instruction

CE Mark Filter Assembly Kit (51404753-501)

Document Number Form: 43-DR-33-82
 Effective: 7/98
 Supersedes: None

Kit Contents This kit contains the following parts:

- CE Mark Filter Assembly
- Screws (2)
- Plastic Wire Cord Clip

Summary Enclosed is a new CE Mark Filter Assembly for your DR4300 recorder.
 Use the following procedure to install the filter assembly.

WARNING Never access components inside the case with power applied.

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Component Location Refer to Figure 1 for the location of the CE Mark Filter Assembly and its components, and Table 1 for the installation procedure.

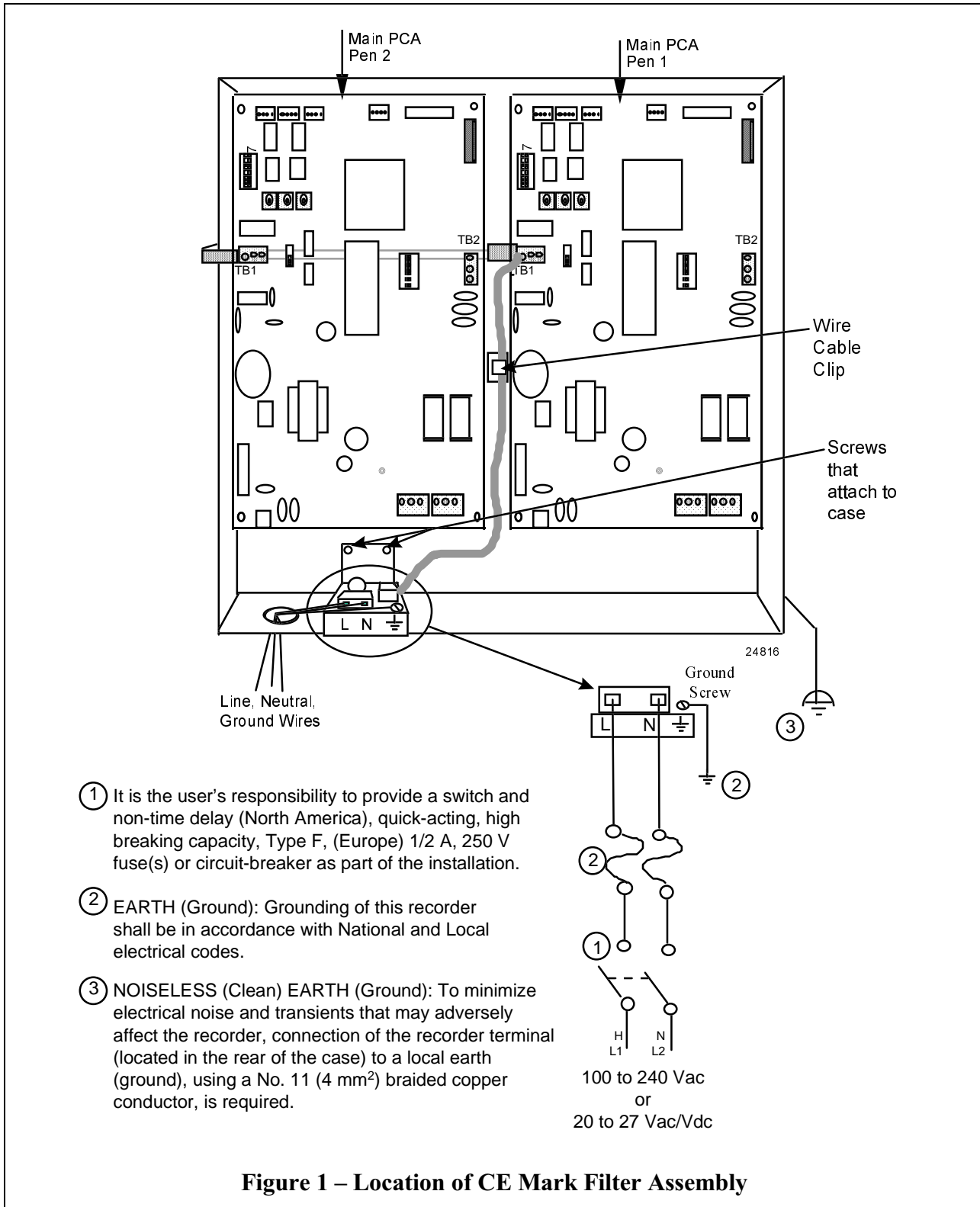


Figure 1 – Location of CE Mark Filter Assembly

Installation Procedure Follow the procedure in Table 1 to install the new CE Mark Filter Assembly in your recorder.

Table 1 – CE Mark Filter Assembly Installation

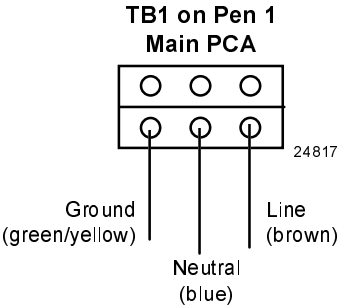
Step	Action
1	Power down the recorder. Open the door and swing the chart plate out.
2	Remove the external AC mains supply wiring by loosening the screws on the TB1 connector of the Pen 1 or Pen 2 Main printed circuit assembly (PCA) and removing the wires.
3	Orient the filter assembly, as shown in Figure 1, with the “L N \perp ” text towards the front of the case. Insert the bracket below the Pen 2 Main PCA (if present). The front lip of the bracket fits underneath the rib in the case.
4	Line up the two holes on the back panel of the bracket with the case bosses (Figure 1).
5	Using the two screws included with the kit, attach the filter assembly to the case.
6	<p>Remove the backing from the included plastic wire cord clip and stick the clip on the case, between the two Main PCAs for 2-pen units (or immediately to the left of the Pen 1 Main PCA for 1-pen units). Refer to Figure 1.</p> <p>ATTENTION The adhesive on the clip is very strong, and will be difficult to remove if misplaced. Be sure of the clip placement and orientation before sticking to the case.</p>
7	Locate the three-wire twisted bundle originating from the filter assembly and route these wires as shown in Figure 1. Secure the wires with the wire clip installed in Step 6.
8	<p>Insert the wires in the bottom of the TB1 connector on the Pen 1 PCA and tighten the screws on the connector. See the diagram below for proper wiring.</p> <div style="text-align: center;">  </div> <p>WARNING These wires supply power to the instrument. If these wires are not correctly wired, the instrument may be damaged or destroyed.</p>

Table 1 – CE Mark Filter Assembly Installation, Continued

Step	Action
9	Insert the connector (wired in Step 8) into the TB1 receptacle on the Pen 1 Main PCA.
10	Run the <i>Line</i> , <i>Neutral</i> , and <i>Ground</i> wires into the case opening that is immediately to the left of the filter assembly. (See Figure 1.)
11	Wire the <i>Line</i> and <i>Neutral</i> wires of the AC supply to the 2-pole connector on the filter assembly, as indicated on the bracket. Tighten the screws on the connector to secure the wires.
12	Connect the <i>Ground</i> screw on the filter bracket to a local earth (ground) using a braided copper conductor.