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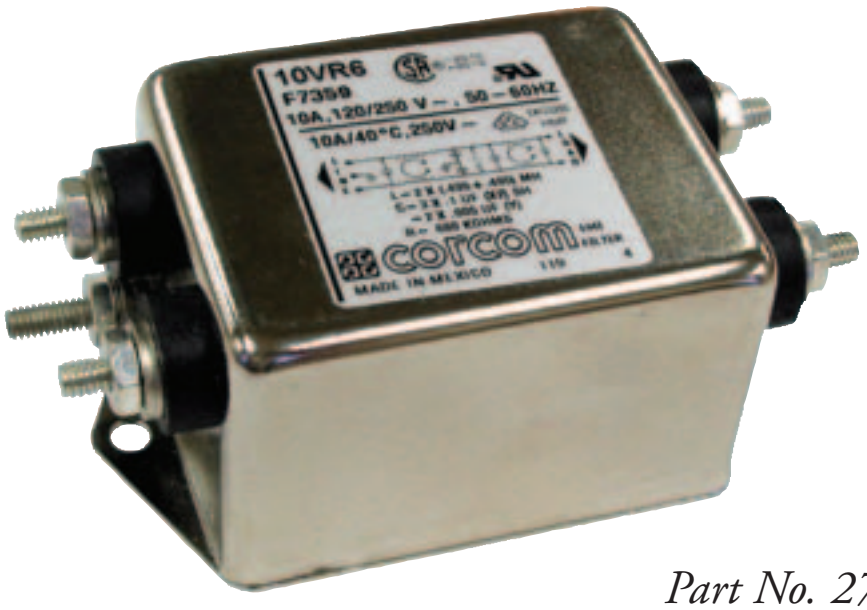
# RFI Filter

*An RFI Filter installed in the lathe will help minimize the AM (and some television antennae reception) interference. It can be factory installed or customer installed as an after-market item.*




*Part No. 2748*

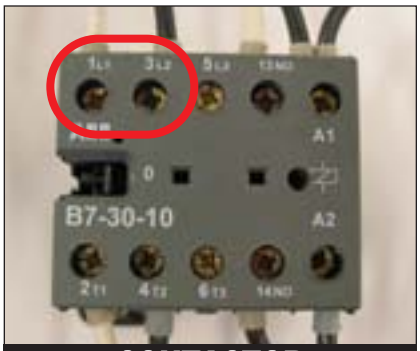
## How do I install the RFI Filter?

The backer-board is drilled to accept the RFI below the Drive. You will see two holes that are tapped for the supplied screws.

1. Before installing the filter, **disconnect all power to the machine**.

2. The filter has two ends, one with three wires (**Line**) and one with two wires (**Load**). The end with two wires is labeled load, and these wires will get connected to the drive. The other end is labeled line and these wires will get connected to the contactor.

3. **Load Side**
   Locate where the wires from the L1 & L2 (on the contactor) enter the drive. Remove any cover plate to gain access to this area. Disconnect the white and black wires from terminals **L1** and **L2 (or T1) on the Drive**. Connect the **white wire** on the **load side** of the filter to **L1** and the **black wire to L2 (or T1).**



CONTACTOR

4. Locate the contactor (picture shown). There are white and black wires coming out of two terminals labeled **L1** and **L2** (the letters are kind of small).

5. **Line Side**
   Disconnect the white and black wires (from L1 & L2 on the contactor) and connect the **white wire from the line of the filter to L1** and the **black wire to L2**.

   The two wires (one black & one white) you have disconnected should be kept in a safe place if ever you want to uninstall the RFI Filter. If the filter gives you problems in the future it will be a simple matter to disconnect the filter and reconnect the old wires.

6. The only wire left to connect is the **green ground wire**. This wire can be connected to the top right screw that holds the drive to the back-plate. Simply loosen off the screw, slip the wire in, and re-connect it.

   You're Done!

| Load Side - to Drive | Line Side - to contactor |
|---|---|