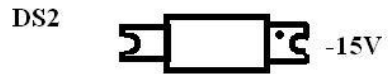


Coil Driver assembly notes

- On each coarse/fine board there are 4 LM12s (The op amp that mounts on the heat sink) Make sure to put enough heat shrink on each of the pins so that it won't short to the heat sink. Also, solder the gold pins to the board on the bottom.
- Make sure the LEDs on the front board are sticking up enough to go into the hole. If you use the front panel as a jig, it comes out perfect every time.
- Make sure to solder on the ground and NC terminals of the push button that is mounted on the front panel.
- See pictures for how to mount the LM12 and heat sink to the board. Use the .25" spacers for mounting the LM12/Heat sink to the board. Use the 5/16" standoffs for connecting the heat sink/board configuration to the cowling.
- Use heat sink grease and mica spacers in between the heat sink and LM12. The holes on the mica spacer will need to be expanded for it to fit.
- 6-32 nuts are used for mounting the fan.
- 6-32 x 1/4" screws are used for mounting the LED board to the front panel.
- 4-40 x 3/4" screws are used to mount the heat sink to the board, and the board/heat sink configuration to the cowling.
- 6-32 x 1/2" screws are used to mount the cowling to the chassis.
- 4-40 x 1/4" round head screws are used to mount the t-type fan board to the cowling.
- 4-40 x 3/16" Beveled head screws are used to mount the front and back panels and they are used to mount the cover over the fan/t-type board.
- 6-32 x 3/8" screws are used to mount the thermal shutoff (designator S1) to the heat sink.

The Cathode is marked by a small dot on the LED. The LED should be soldered with the cathode closest to the +15 or -15 pad.



Below is a diagram of how the LEDs are oriented on the LED board.

