



Congratulations on your purchase of the Kendrick 2029-M split ring secondary mirror heater.

This heater has been specifically designed for attachment to Newtonian secondary mirrors that are glued to mirror stalks rather than housed in a metal holder. It can also be placed inside a metal holder if the holder is large enough to accommodate the heater.

The very exposed glass of this type of mirror holder makes the secondary mirrors very prone to dewing over.

PARTS

Included with this package are:

- The 2029-M heater.
- The 6' RCA Patchcord.
- Patchcord to Heater adapter.
- Self Adhesive Copper Tape.
- Neoprene Insulator.



INSTALLATION:

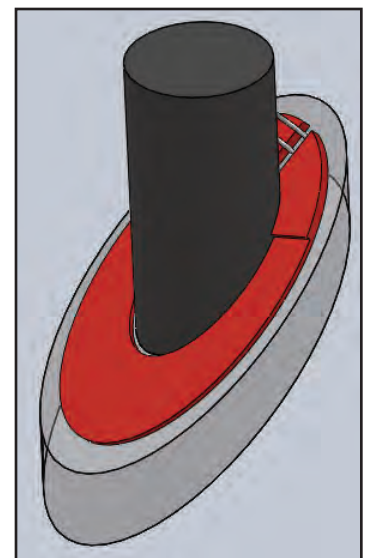
NOTE: This heater cannot be trimmed to fit! Cutting the heater will ruin it.

Installation is very simple. You will note that the heater is split at the end where the wires exit and that the heater is very flexible. This makes it possible to attach the heater without having to remove the secondary mirror.

For this heater to fit, your mirror stalk cannot exceed 1.45" (37mm) in diameter and the mirror cannot be less than 2.63" (67mm) in its smallest dimension.

To keep the heater in place it is necessary to put a thin layer of silicone glue or caulk on the back of the heater (the side that is completely flat) and then press the heater onto the back of the mirror. Then glue the neoprene insulator to the back of the heater. Allow 24 hours for the glue to set.

The Copper Tape is for those who want to keep the wire profile over their spider vane down to a minimum. Use of the tape will require use of a soldering iron. See the section on applying this feature if you are interested.



For the sake of clarity, the heater is shown with the wires clipped.

Copper Tape Installation

Fig: #1

After the heater is placed behind the secondary mirror and is being held in place by the dried silicone glue, the heater wires can be run along one of the spider vanes as shown in Fig: #1 (NOTE: The illustrations show a standard Newtonian mirror holder and not a mirror on a stalk. Copper tape installation is the same regardless of the type of mirror holder you have.)

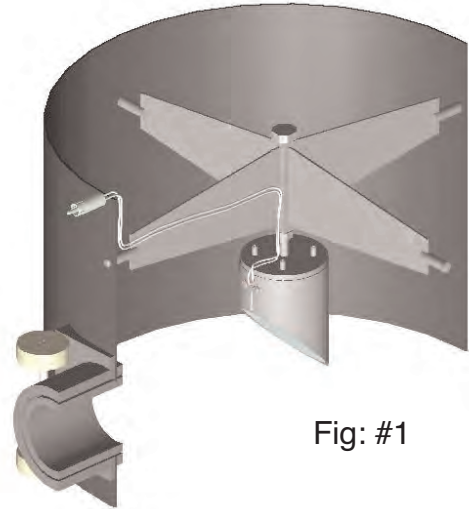


Fig: #1

Fig: #2

For those who want to keep the profile of their spider to a minimum and know how to solder, we recommend using the self adhesive copper strip supplied in the kit. Apply two parallel strips along one of the vanes. The wires from the heater can then be cut to the desired length. Then solder the wires to the tape at one end and the RCA jack at the other end. Once the soldering has been done we recommend that the solder points be epoxied into place as these points can lift off the spider vane surface and tear. The copper can then be painted black if so desired.

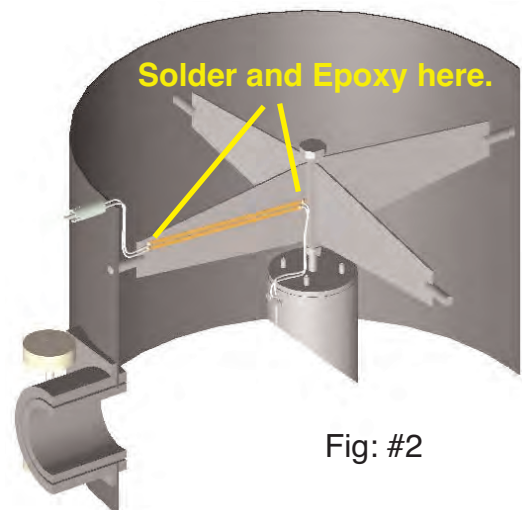


Fig: #2

Fig: #3

Lastly, to finish off, you can do a "through wall" RCA jack installation. This will require you purchasing a panel mount RCA jack and the use of a drill and a soldering iron. This provides an excellent finish but should only be attempted by the technically inclined.

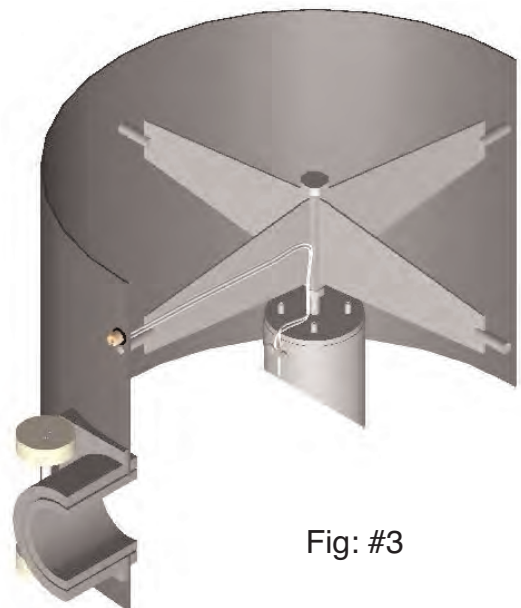


Fig: #3