

Instructions for installing the **E-Z Heat Model 540** pre-heat system:

1. Remove the engine cowling(s) from the Aircraft.
2. Remove the air induction tubes from the engine. This will allow for enough room for installation of the heating pads on the bottom side of oil sump. The oil sump on the IO 540 engine lies directly above the induction air box, the area directly above the induction air tubes, on the bottom side of the sump is where to position the pads.
3. Before installation of the pads proper cleaning of the bottom sump must be done as follows;
 - a) Using sandpaper (60-100 grit) remove all high spots from the bottom side of sump so it is nice and smooth.
 - b) Remove any paint, residue, oil, or dirt that may cause the pressure sensitive adhesive not to stick properly. For best results remove all paint where the pads are to be placed.
 - c) Once the bottom of the sump is clean, position the pads (with protective paper still in place) and make sure ALL of each pad will have proper contact with sump. Note one pad is larger than the other so put it on the larger prepared surface.
4. Clean surface with lacquer thinner or carb cleaner or MEK to remove any residue.
5. If the pressure sensitive adhesive is to bond properly, the oil sump surface where the heater is to be placed needs to be at 75 degrees F or higher. It may be necessary to use a heat source such as a hot air gun or hair dryer to accomplish this.
6. Remove protective paper from the back of the pads and position them (with the thermostat pointing towards the prop) on the prepared surfaces. Squeeze the air from between the heating pads and the oil sump with the squeegee provided in the kit.
7. After all the trapped air has been removed and the heater has been firmly pressed into place, take the silicon RTV adhesive provided in the kit and place a sealing bead all the way around the perimeter of the heater and thermostat. Be sure to cover all the edges on both pads.
8. Run the power cord to the cowling opening, usually the oil check door, so it is a simple matter to plug the heater in when in use. Be sure to route the cord so that there is no restriction of moving linkages or cables, there is no possibility of chafing or abrasion of the power cord on sharp edges, and there is no possibility of the cord resting against any hot exhaust piping. Tie wraps are provided in the kit for this purpose.
9. Recowl the engine and allow at least 24 hours for the adhesive to cure before operating the heater. The aircraft can be used in 5 to 6 hours.