

Screed Heater

The Screed Heater consists of two (2) heat exchangers (1 for each side) with swing away burner and individual control valve each.

TO OPERATE:

1. **BE SURE ALL INDIVIDUAL CONTROL VALVES ARE CLOSED.** Lift up and rotate burners away from the opening on top of the Heat Exchangers. This is to prevent propane from entering the heat exchanger and causing a flashback.
2. Open the Propane Supply Valve and check the pressure gauge (normal pressure is 25 to 30 pounds). To adjust the pressure, loosen the jam nut on the adjusting screw and turn the knurled handle clockwise to increase pressure, or counter-clockwise to reduce pressure. (It will be necessary to open a burner control valve and bleed off pressure from the lines, for the gauge to show a reduced pressure reading). Retighten the jam nut.
3. Open the burner control valve and ignite the burners individually.
4. Lift up and rotate the burners, back into place, over the heat exchangers. The screed will be heated within 4 to 6 minutes. Once paving had began, the burners can be turned off, by closing the burner control valves. There may be times (such as thin overlays of with cold material) when you will want to leave the heaters on for the entire job. The heaters can be run continuously (at 30lb pressure) without damaging or warping the screed wear plate. However, reducing the pressure to 15 to 20 lbs will considerably reduce fuel consumption, while still keeping the screed hot.
5. If heaters are not working properly, first check the pressure gauge. If pressure is OK, the orifice, inside the burner, is probably plugged. Loosen the set screw, on the side of the burner, and pull the pipe out of the burner. With pliers or pipe wrench, unscrew the brass nozzle from the end of the pipe. Using a fine wire or Tip Cleaner, remove any obstruction from the orifice. When reinstalling brass nozzle, Do Not Over tighten (slightly more than finger tight is enough).

To adjust Burners: Insert the pipe into the top of the burner casting, far enough for the brass nozzle to line up with the two (2) small holes toward the top of the casting. Tighten the set-screw. Proceed to light the burners, as described above, in paragraph #4. With the burner lit and in place, on the heat exchanger, loosen the set-screw and move the pipe farther into (or outward) of the casting, until you hear a deep roaring sound. This is where the fuel and air mixture is producing maximum combustion. Tighten set screw.