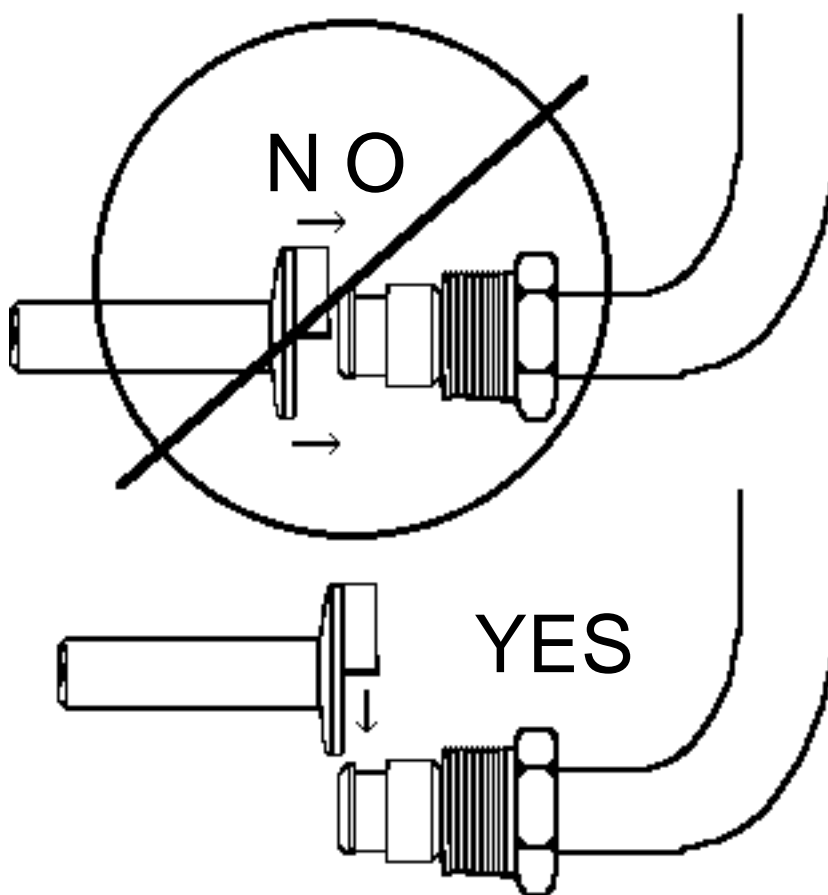


CLEANING OR REPLACING THE ECOTHERM PILOT ORIFICE

1. **Shut off gas.**
2. Remove panel by unscrewing wing nuts on bottom of panel. Pull panel out and up.
3. The aluminum Pilot tube is attached to the pilot burner closest to you when facing the heater.
4. Use a 10mm wrench to unscrew the retaining brass nut. Pull the tube out. There is a compression ferrule at the end of the tube and the pilot orifice sits on the lip at the end of this ferrule. Pull the tube out and remove the orifice. **Note:** This orifice **CAN NOT** be reamed, simply blow through to clean it or replace it.
5. To reinstall the orifice, pull the tube far enough to the right to slide the new orifice over the ferrule end lip. The orifice has a retaining lip which must slide down over the lip on the ferrule so that the two interlock. (See diagram)
6. While keeping the orifice steady on the pilot tube end, reinsert the orifice into the burner hole, then hand tighten the brass retaining nut. Finish tightening with a 10mm wrench.
7. Check for leaks by first applying soap solution on brass retaining nut threads, then turn on gas and rotate temperature knob to pilot position. **Do not light.** Push temperature knob down to allow gas to travel through pilot tube and watch for bubbles. Bubbles are a sign of a gas leak. If none, then finish by lighting pilot.



- PILOT ORIFICE MUST SLIDE DOWN OVER FERRULE ON TUBE END SO THAT RETAINING LIP INTERLOCKS.