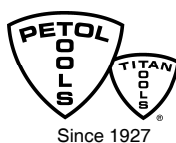


PETOL TANK SAFETY GAUGE INSTALLATION PROCEDURES

1. **SAFETY FIRST**
Prior to installing the gauge, test for the presence of H₂S gas using an OSHA approved breathing apparatus and H₂S detector.
Observe all necessary safety precautions regarding H₂S.
Refrain from smoking or creating any other possible source of ignition during installation.
2. Measure 18"-36" from hatch & fill line and 12" from edge of tank. Mark spot for drilling hole.
3. Using chalk line and plumb bob hold line firmly and chalk a vertical line on side of tank as a guide for gauge body installation.
4. Place Plumber's Putty around the area to be drilled. **Fill putty ring with oil** to prepare for drilling top hole.
5. Install 23/64" Pilot Drill Bit in air drill using **nitrogen** 60 lbs. pressure for power. Place drill bit in putty ring to drill hole. (**Note: With free hand continue to add oil until hole is completed to avoid any type of sparks.**)
6. Remove putty ring. Clean up excess oil. Install the 3/8" nylon plug (furnished in kit) by driving in gently with a brass hammer and a wooden dowel.
7. Move to side of tank and mark equally spaced areas for strap brackets. Sand the back of the strap brackets and the tank where the strap brackets are to be placed. Clean areas where fiberglass will be used.
8. Attach strap bracket at marks on tank using epoxy glue.
9. Mix fiberglass kit and apply resin to strap brackets and tank. Cover strap brackets with strips of fiberglass. Apply resin again and allow for proper drying.
10. After drying process is completed, paint over fiberglass/strap brackets with correct tank color.
11. Place gauge body on side of tank and install clamps around body securely.
12. Place A-Frame with pulleys on top of tank over the nylon plug with the longer rod over the gauge body. Run cable through pulleys and through the hole in the plug and into tank.
13. Slowly open hatch to release pressure and using copper hook pull cable out of hatch.



14. Run cable through eye bolt on float and securely crimp the cable to the float using 2 sleeves. Lower the float gently into tank and fluid. (Floating may be checked by using a mirror.)
15. "Gauge" fluid in tank at this time and denote proper feet and inches of fluid. Two or more feet of fluid is required for proper reading.
16. Next, run cable through eye loop of indicator and temporarily put masking tape around cable to start calibration. Lower indicator into gauge body and observe level. Continue to lower or raise indicator through gauge body until precise level is achieved. Install sleeves. Crimp and cut off excess cable and lower back into the gauge body. (Final adjustment may be made by use of the wing nut on the indicator's all thread rod to move the indicator up or down.) **Read indicator at the bottom level.**
17. Pulleys should be directly over plug and centered in gauge body. At this time, conservatively place 100% silicone around "feet" of A-Frame.
18. Place hut over A-Frame and secure gently using wing nut on threaded bolt of A-Frame.
19. Run bead of silicone along edge of Hut and top of tank. (Only on "enclosed" huts)

SHOULD YOU HAVE ANY QUESTIONS AND/OR COMMENTS, PLEASE FEEL FREE TO CONTACT US AT GEARENCH (254)675-8651 OR FAX (254)675-6100