



JA324352

Tank Penetration Retrofit Kit #59700

Instruction Bulletin No. 74309

The following instructions are for use with Gems Sensors' Tank Penetration Retrofit Kit #59700. The kit is designed for retrofit conversion of cable and cable connection on tank penetration (*Gems Types 35570, 35575 and 35580*).

Removal

1. Unplug cable from connector inside tank.
2. Remove cover on junction box
3. Make note of wire color connections on terminal block for reassembly. Disconnect terminal connections from terminal block.
4. Unfasten and remove terminal block.
5. Pry out snap bushing at bottom of box. Inspect wire passage - if filled with silicon rubber potting, cut out and remove potting.
6. Unscrew cable connector from tank adapter inside tank - pull wires through. Discard connector and wires.
7. Inspect and clean threads and "O" ring seat on tank adapter.

Reassembly

1. Apply "O" ring lube to "O" ring of new cable adapter and assemble to tank adapter.
2. Pass terminal lug end of new jumper wire assembly through mounted cable adapter, up into J-box*.
3. On J-box side, slide new snap bushing over wires inside box and snap into place.
4. Spread lead wires to side to allow terminal block to be installed. Install block.
5. Place lead wire terminal lugs onto terminal block studs. Reconnect ship's wire leads on proper studs as stated in Item #3 of "Removal" procedure above. Replace J-box cover.
6. Install new transmitter cable inside tank.

***Note:** Green wire is not used on Gems' Types 35570 & 35575.

