

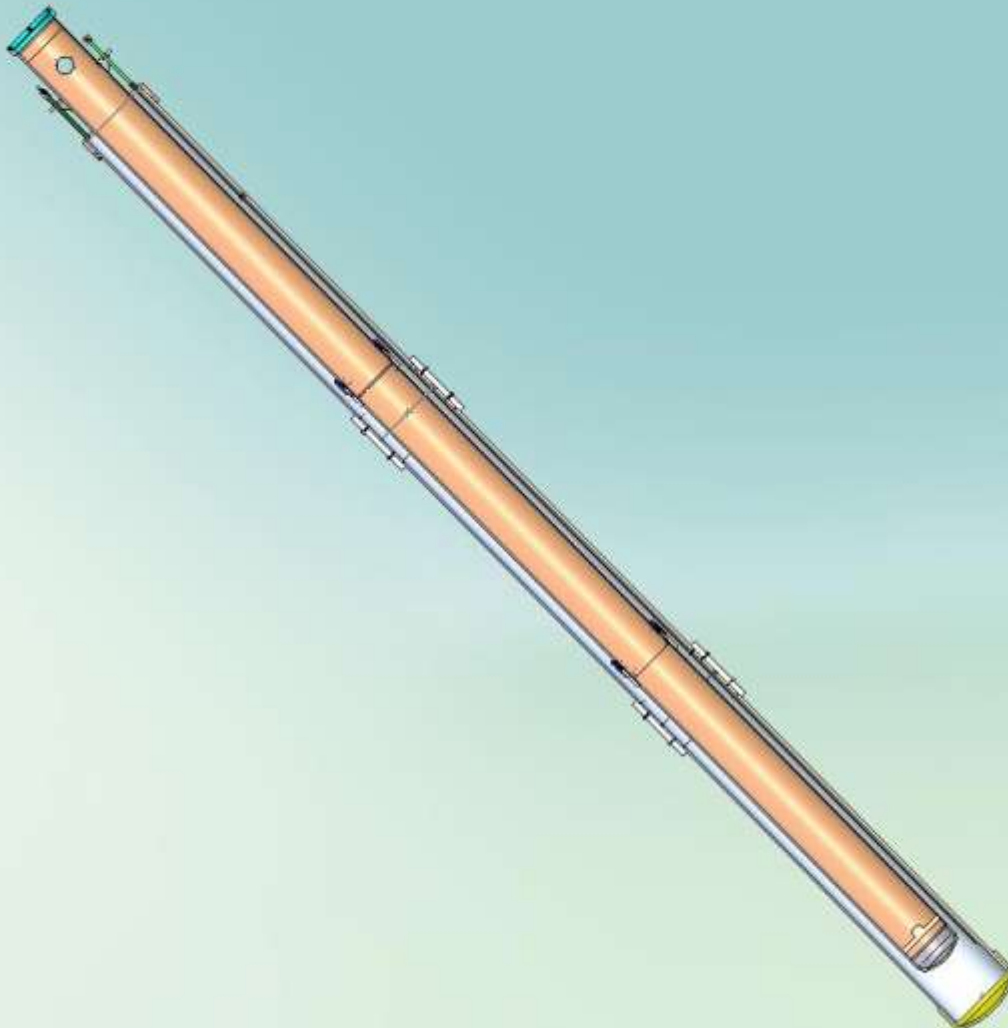


D. L. MARTIN COMPANY

25 E. Harbaugh Drive, Mercersburg, Pa. 17236
Phone (717) 328-2141/Fax (717) 328-5437 or (717) 328-5919

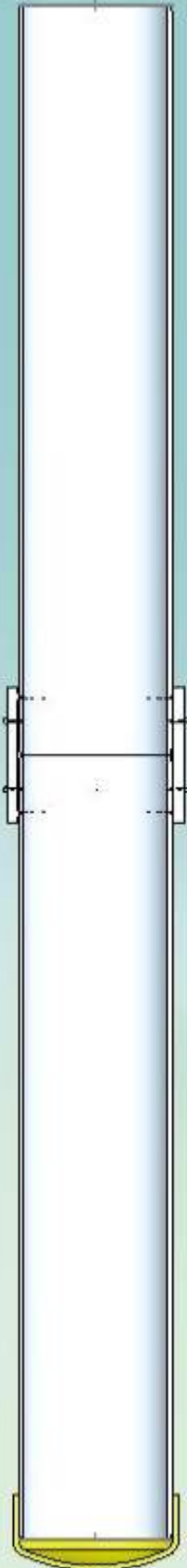
ASSEMBLY INSTRUCTIONS FOR SEALED TWENTY YEAR WARRANTY JACKS.

These instructions are designed to provide a water and air tight joint for the protection and evacuation of the jack assembly.



4.00 - 6.00”(10.00 - 12.00” PVC) jack design utilizing the Certainteed coupling.

Fig. 3



ITEMS NEEDED

1. Sandpaper (120 grit or higher)
2. Cleaning solution (non - flammable)
3. Grease or petroleum jelly
4. Duct tape or tie straps
5. Thread sealant

PLEASE FOLLOW INSTRUCTIONS CAREFULLY!

1. Install and securely clamp bottom PVC section (with end cap), to prevent section from falling in hole.
2. Be sure to check that PVC has a 3/4” x 15° chamfer (shown in fig 1) on top end of section. (In the case that a new section of PVC is used or the chamfer is missing, the chamfer will need to be cut manually to ensure proper engagement of seals so they do not tear.)
3. Sand smooth any rough edges, grooves, or scratches on OD, 6” from top. Sand around PVC not up and down. Clean this area well.
4. Apply a thin film of grease to the PVC and slowly work the coupling onto the section of PVC to the middle of the coupling.
5. Screw the 4 self tapping sealing screws supplied into the coupling in a circular even spaced pattern (shown in fig. 2) to lock it into position on the bottom section.
6. Apply a thin film of grease to the intermediate or the top section, whichever comes next, again making sure the chamfer is on both sides of either the intermediate and/or top sections, and slide section into coupling until it touches the bottom section of PVC.
7. Screw 4 more of the supplied self tapping sealing screws in the same manner as before to lock the section in place.
8. Next lower the PVC into the hole and clamp again as needed. Repeat steps #2 - 4 until the PVC joints are fully assembled (ex. Fig. 3).

FIG. 1

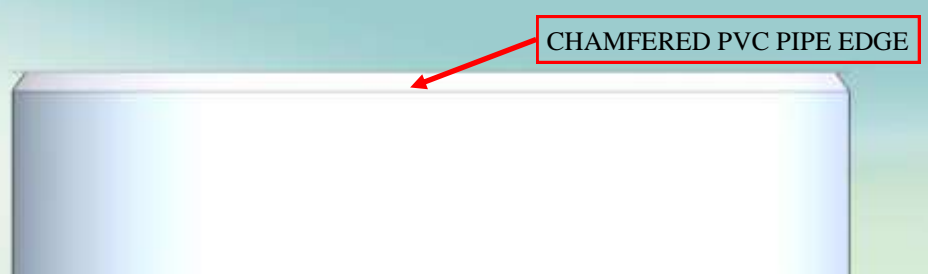
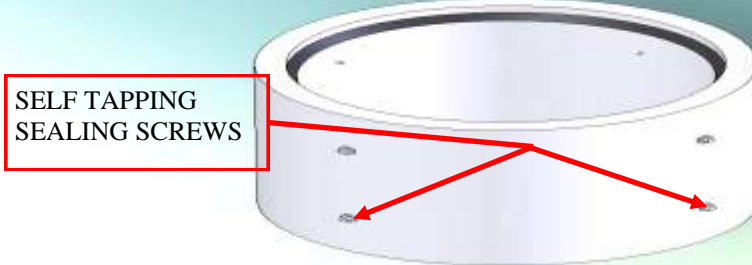
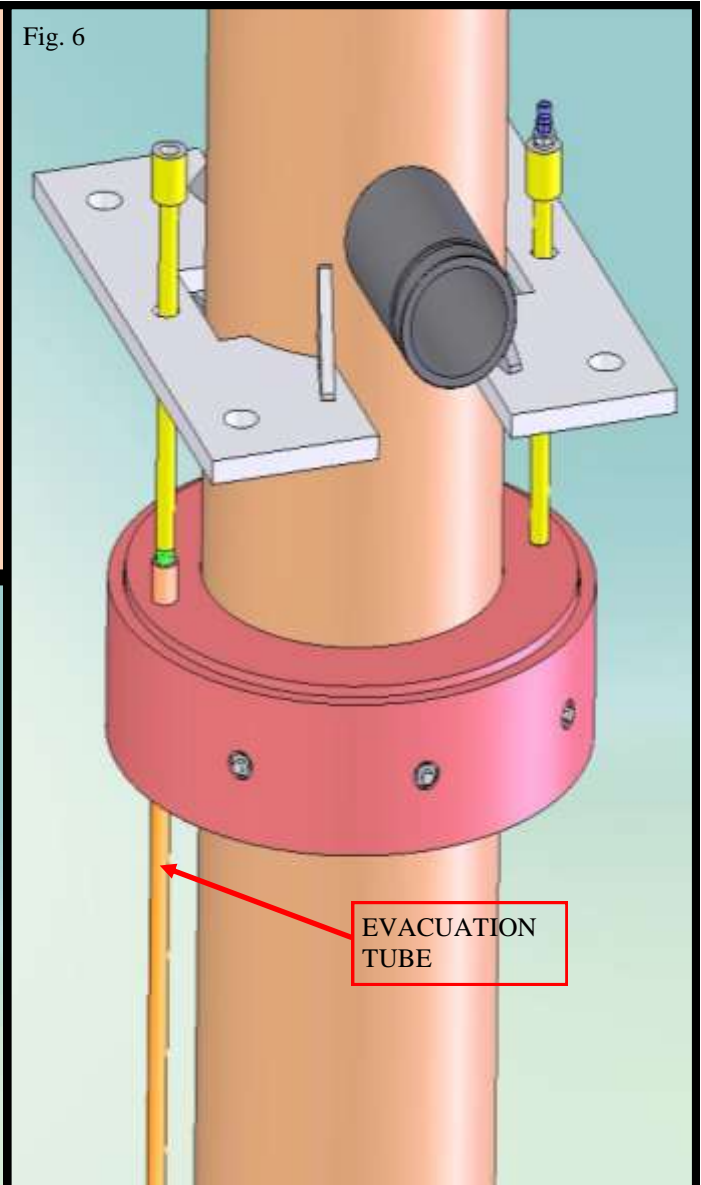
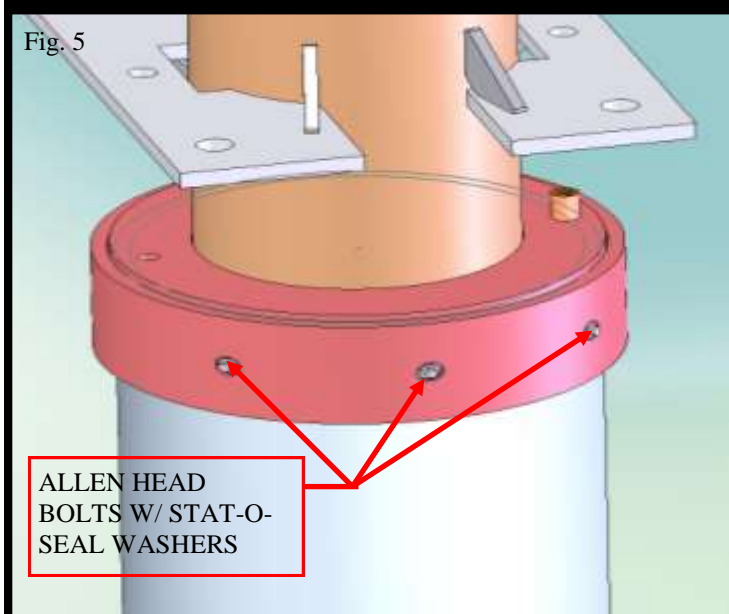
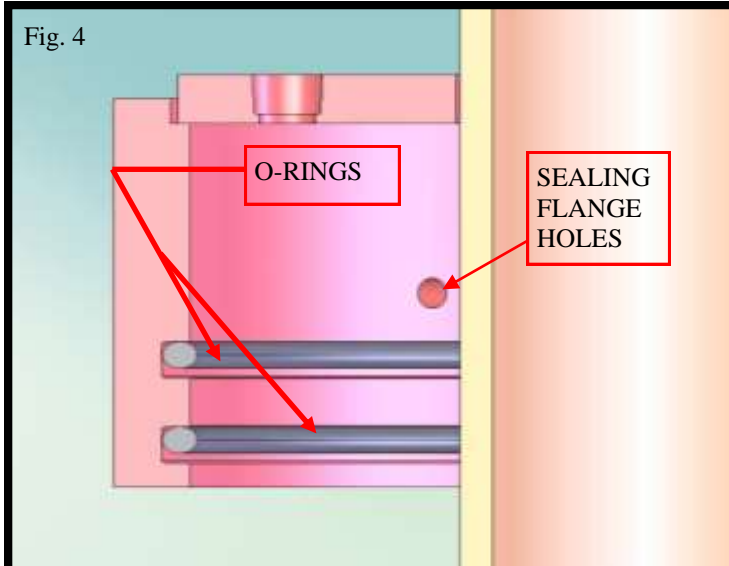


FIG. 2



7. Duct tape or tie wrap small 1/4" PVC Evacuation Tube (shown in Fig. 6) to bottom jack section, making sure the small PVC is at least 3" below the bottom cylinder section.
8. Lower cylinder into PVC casing and clamp as necessary to prevent falling.
9. Install intermediate cylinder section to bottom cylinder section using standard jack assembly instructions.
10. Connect next 1/4" section of PVC to piece that is attached to the bottom section with supplied glue and couplings. Mix small amounts of glue to join the 1/4" sections. Let set ten minutes or until the epoxy hardens. Lower jack and repeat steps until all sections are assembled.
11. Thread 15" x 1/4" PVC section into the PVC sealing flange on the top cylinder section using thread sealant. Then glue to existing 1/4" PVC.
12. Install large o-rings into sealing flange (shown in fig. 4) and lube the o-rings liberally.
13. Lower jack slowly until the jack is fully engaged into the PVC casing, making sure the PVC is bottomed out in the sealing flange. Drill 1/4" into PVC through the holes in sealing flange. Next install the specially machined Allen head bolts with the sealing washers provided into the holes as previously noted (shown in fig. 5).
14. After jack is in position, install pipe nipples, couplings, fitting reducer, and air valve to the top of the flange using thread sealant as needed. The pipe nipples will protrude through the mounting feet. Be sure to install the air inlet to the side opposite the evacuation tube (shown in fig. 6).
15. Attach warning label to top of cylinder under head area where it can be seen easily.



6.50 - 8.00”(14.00” PVC) jack design utilizing the glued 24” coupling.

1. Install and securely clamp bottom PVC section (with end cap), to prevent section from falling in hole.
2. Sand smooth any rough edges, grooves, or scratches on OD, 12” from end of intermediate section. Sand around PVC not up and down. Clean this area well.
3. Mix one tube of two parts of Loctite epoxy and apply with trowel to I.D. of coupling and 12” length of pipe end. Slide intermediate section into coupling, twisting approx. 1/4 turn as you slide it in place. Let assembly set a minimum of 4 hours or until epoxy sets before proceeding. (Read Manufacturer’s Instructions for cure time per a given temperature.)
4. Next lower the PVC into the hole and clamp again as needed. Repeat steps #2 - 4 until the PVC joints are fully assembled.
5. Follow steps 7 - 14 of previous page to complete installation, making sure that the 3/4” x 15° chamfer is on the top PVC section that inserts into the sealing flange (shown in fig. 1).

Instructions on the use of the pressurized evacuation system.

Items needed:

- 1. Calibrated pressure regulator preset at 7psi (WARNING: anything above 10psi can shatter the PVC and seriously injure or even kill).**
 - 2. Fitting for evacuation tube and a length of hose with hose clamp**
 - 3. Small bucket for evacuated fluids**
 - 4. Safety barriers and personal safety equipment**
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1. Be sure the air inlet side is screwed into the correct side. This is the side without the half coupling welded to the sealing ring. The evacuation tube is located under the side with the half coupling (fig. 6).
 2. Connect air hose to regulator and then to the fitting on the end of nipple.
 3. Continue until no fluid is seen exiting the hose.

SEE FORM #EN3017 FOR DOCUMENTATION OF APPROVAL