

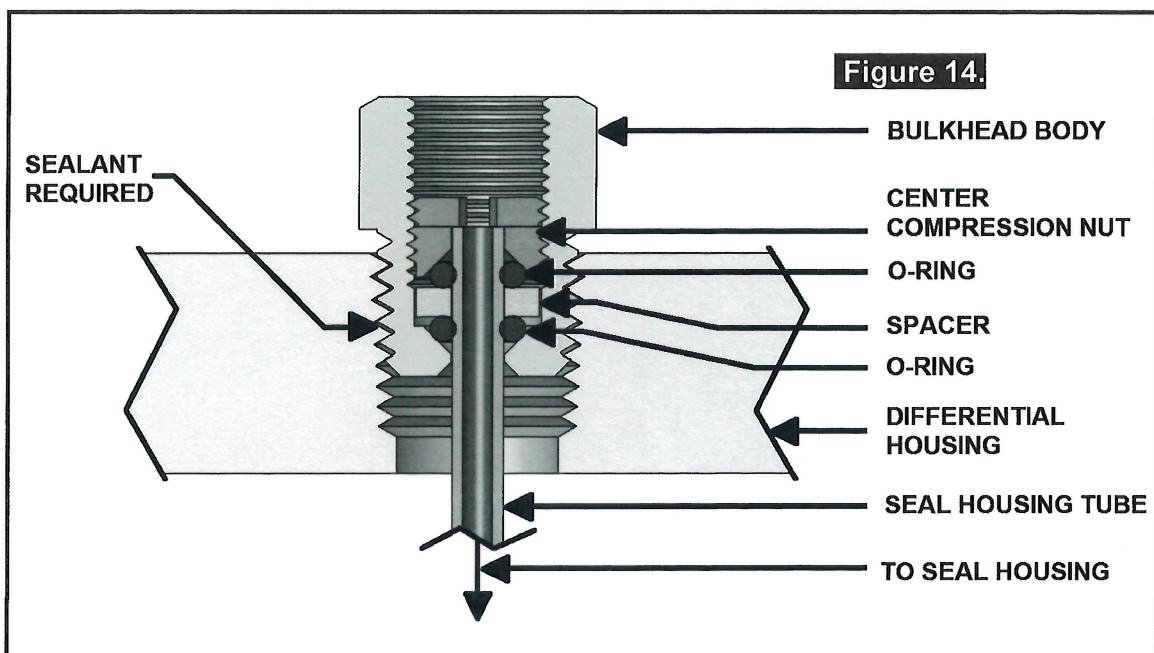
## 4 Installing the Air Locker

### 4.7 Setting up the Bulkhead Fitting

- ☐ Trim the seal housing tube that is extended outside the differential housing to approximately 20-25mm [0.8-1.0"] of extension using an automotive brake line tubing cutter.

**NOTE :** Never use a hacksaw for trimming the steel tube as this will leave metal fillings in the air system.

- ☐ Apply thread sealant to the outside threads of the bulkhead body.
- ☐ Screw the bulkhead body into the tapped hole, and lightly tighten using a 14mm [9/16"] spanner.
- ☐ Wipe the area clean of any excess thread sealant (inside and outside of the housing).
- ☐ Insert the free end of the seal housing tube into the bulkhead fitting until it protrudes approximately 8mm [5/16"] through the other side.
- ☐ From the outside of the housing, assemble one of the small O-rings over the top of the short length of seal housing tube protruding through the bulkhead fitting.
- ☐ Install the brass spacer.
- ☐ Install the second small O-ring after the spacer.
- ☐ While holding the seal housing tube into the bulkhead fitting, insert the chamfered end of the center compression nut over the extended tube as shown in the assembly diagram (Fig. 14.), and screw it into the bulkhead body, and tighten using Pozidriv #3 screwdriver.



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**NOTE :** Make sure the seal housing tube is all of the way into the center compression nut while you are tightening it.

**NOTE :** Firmly tighten the center compression nut so that a good seal is formed around the tube.

- ☐ Again check that no part of the seal housing tube comes in contact with the moving differential components. Less than 8mm [5/16"] should be considered too little clearance. Gently bend the tube away from moving parts if necessary.