

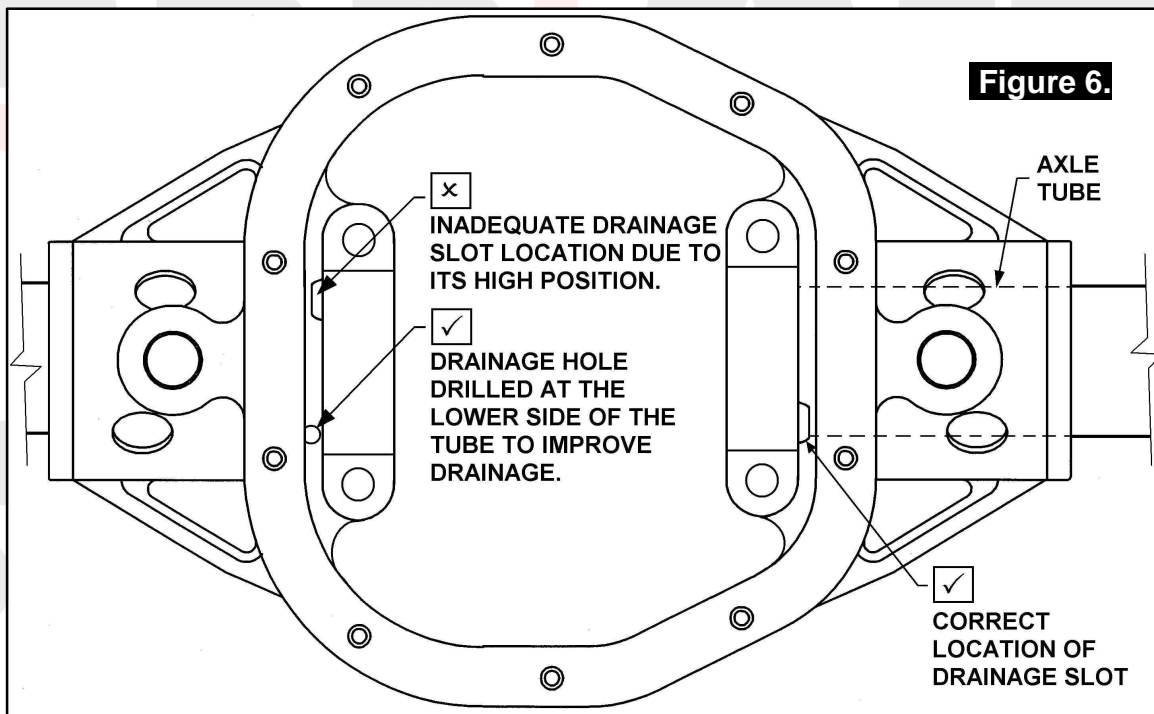
3 Installing the Air Locker

3.1 B Insuring Adequate Oil Drainage

IMPORTANT:

Some Salisbury axles were manufactured with poor oil drainage between the axle tubes and the differential housing. This can often result in one of the axle tubes filling up with differential oil while running. In most cases this will result in a blocked air vent which will cause the differential housing to pressurize and expel oil from the axle seals at the wheels or force oil into the air system of the *Air Locker*, eventually expelling oil at the solenoid valve. This is a design flaw which was corrected by most automakers in the later releases of their axle assemblies. If no lower drainage point is present in the differential housing then it is critical that you modify the housing to include one.

- ☐ Inspect the differential housing for the presence of adequate drainage in both axle tubes (refer to Fig.6.).



- ☐ If no drainage slot is present at the left-hand side (refer to Fig.6.) of the housing at all, then a slot will have to be created as clearance for the seal housing tube (Refer to Section 3.8 *Reinstalling the Bearing Caps*).
- ☐ If drainage exists but is inadequate then a slot or hole should be cut into the housing on the lower side of the tube(s) to allow oil out of the axle tube area.