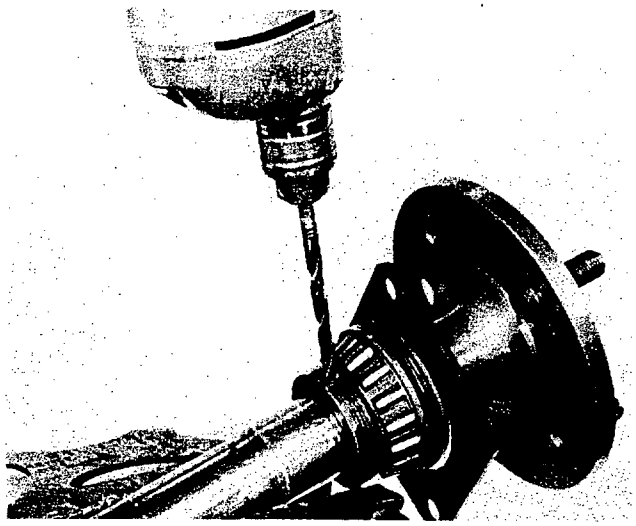


Figure 118 1009-118

Place axle shaft in a vise. Drill a ¼" hole in the outside of the retainer ring to a depth approximately ¾ the thickness of the ring. Do not drill all the way through the ring; the drill could damage the axle shaft.

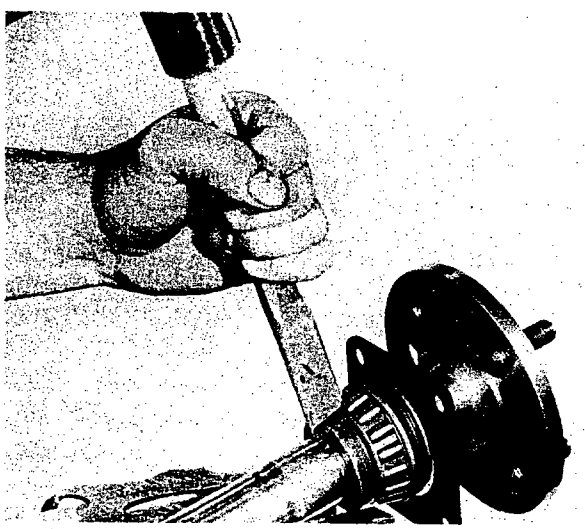


Figure 119 1009-119

After drilling the ring, use a chisel positioned across the hole and strike sharply to break the ring. Discard and replace with a new one at time of assembly.

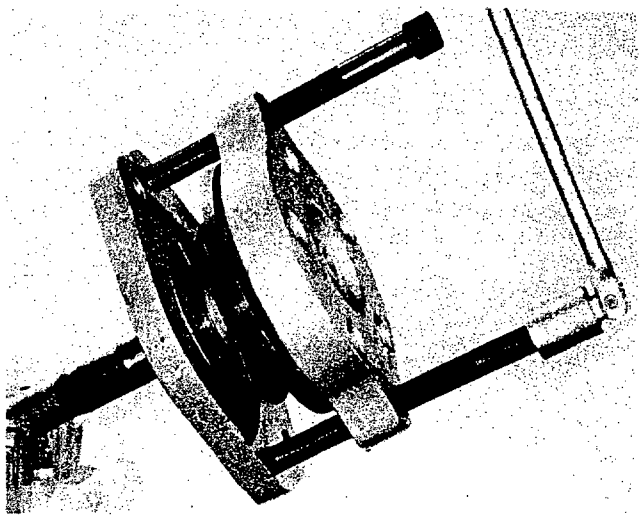


Figure 120 1009-120

Push retainer plate and seal towards flange of axle shaft. Install the flange plate to the flange of the axle shaft. Install bolts into flange plate. Slide forcing plate over the axle shaft. Install the adapters so they seat under the cup rib ring.

Gradually tighten the bolts until they locate in the dimples on the backside of the forcing plate.

Tools—#SP-5443-A Flange plate, #SP-5017 Adapter ring, #SP-5442-D Adapters, #SP-5026 Bolts.

Tighten bolts of tool alternately until bearing cone is removed from axle shaft. Be careful not to mar the machined surfaces of the axle shaft.

CAUTION

Do not heat or cut the bearing cone assembly with a torch to remove. Damage to the axle shaft will result.

Remove seal and retainer plate. Discard seal. Replace with new one at time of assembly.

Inspect retainer plate for possible distortion. If any portion of the retainer plate is damaged, it should be replaced.

Inspect machined surfaces of the axle shaft, such as the seal and bearing diameters. Clean axle shaft, remove all nicks or burrs.

INSTALLATION OF NEW UNIT BEARING

NOTE

The retainer ring area of the axle shaft is 1.3790 minimum in diameter, and the retainer ring inside diameter is 1.374 maximum. Therefore, it should require some 6,000 lbs. minimum press to seat the ring against the unit bearing.