

(4) Lubricate bearing and seal area of axle shaft, slide axle shaft into place being careful that splines of shaft do not damage oil seal and properly engage with splines of differential side gears.

(5) With axle shaft in place, install the "C" locks in recessed grooves of axle shaft, and pull outward on shaft so the "C" locks seats in the counterbore of differential side gear.

(6) Install differential pinion shaft through case and pinions, aligning hole in shaft with lock screw hole. Install lock screw and tighten to 100 in. lbs. (11 N·m).

(7) Scrape any gasket material from housing cover and thoroughly clean surface with mineral spirits or equivalent and dry completely. Apply a 1/16 inch to 3/32 inch bead of MOPAR Silicone Rubber Sealant, Part No. 4318025 or equivalent (Fig. 7) along the bolt circle of the cover. Allow sealant to cure while cleaning carrier gasket flange with mineral spirits or equivalent. Dry surface completely. Install cover on axle and torque cover screws to 250 in. lbs. (28 N·m). Beneath one of the cover screws, install the ratio identification tag.

If for any reason cover is not installed within 20 minutes after applying sealant, old sealant should be removed and a new bead installed.

(8) Install brake drum and wheel and tire assembly, and tighten wheel nuts in the proper sequence (Fig. 8). Tighten wheel nuts to 85 ft. lbs. (115 N·m).

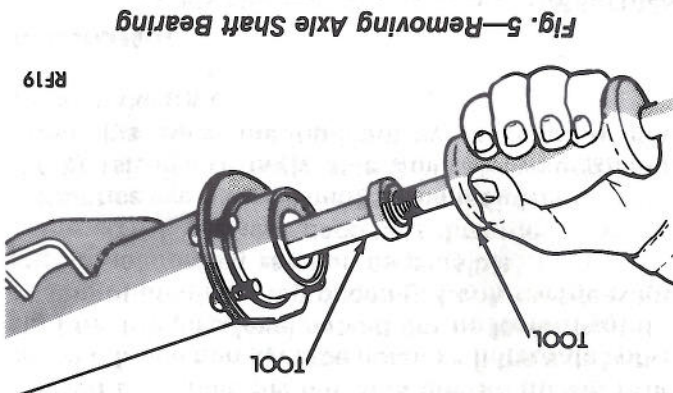
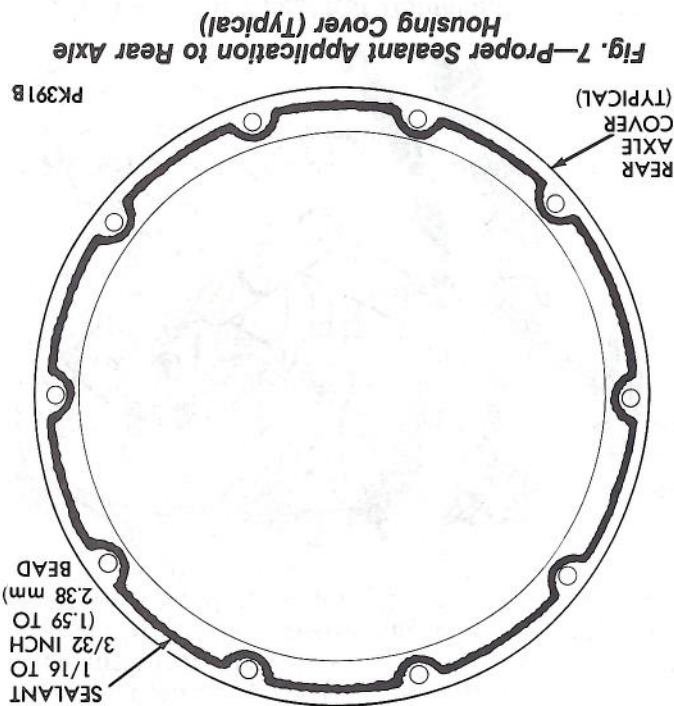


Fig. 5—Removing Axle Shaft Bearing

any of the conditions. If axle shaft and bearing show no signs of distress, they can be reinstalled along with a new axle shaft seal. Never reuse an axle shaft seal under any circumstances once it has been removed.

**CAUTION:** Inspect housing bearing shoulder for burrs, and remove any if present, otherwise bearing could be cocked during installation.

#### Assembly and Installation

(1) Wipe axle shaft bearing cavity of axle housing clean. The axle shaft oil seal bores at both ends of housing should be smooth and free of rust and corrosion. This also applies to brake support plate and housing flange face surface.

(2) Position axle shaft bearing onto pilot of proper Bearing Installer Tool C-4198 and handle C-4171. Insert axle shaft bearing into cavity making sure it bottoms against the shoulder and is not cocked in bore.

**CAUTION:** Under no circumstances should the seal be used to position or bottom the bearing in its bore as this would damage the seal.

(3) Install axle shaft bearing seal using Tool C-4203 and handle C-4171, flat side of tool must be against seal, (Fig. 6) until the tool bottoms against housing flange face. This positions the seal to the proper depth beyond the end of the flange face.

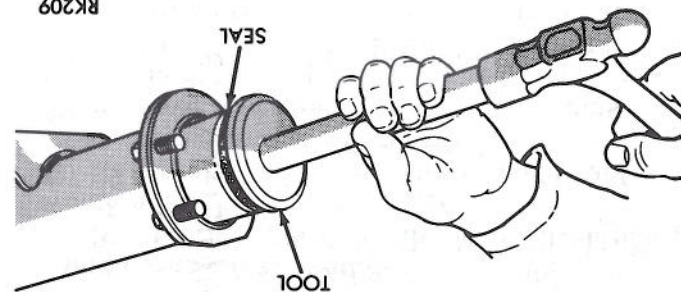


Fig. 6—Installing Axle Shaft Oil Seal