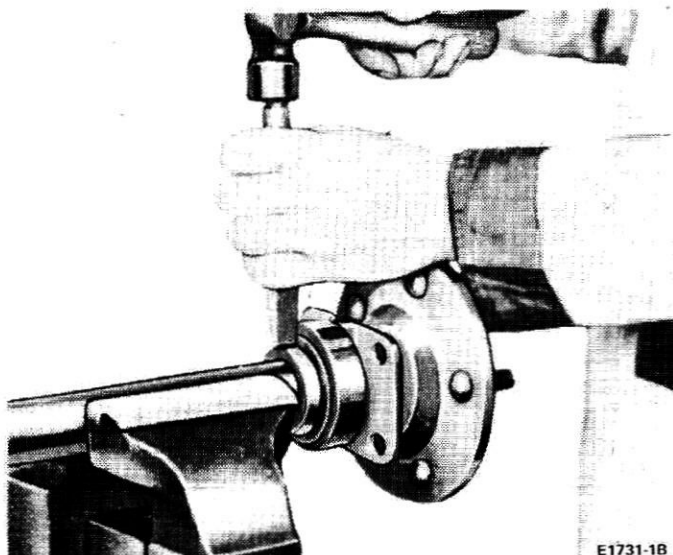
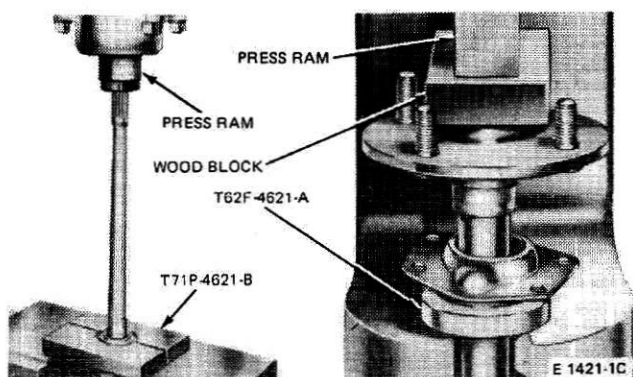


irregularities which would affect the sealing action of the oil seal. Check the axle shaft splines for burrs, wear or damage. Carefully remove any burrs or rough spots. Replace worn or damaged parts.



E1731-1B

FIG. 3 Removing Rear Wheel Bearing Retainer Ring



E 1421-1C

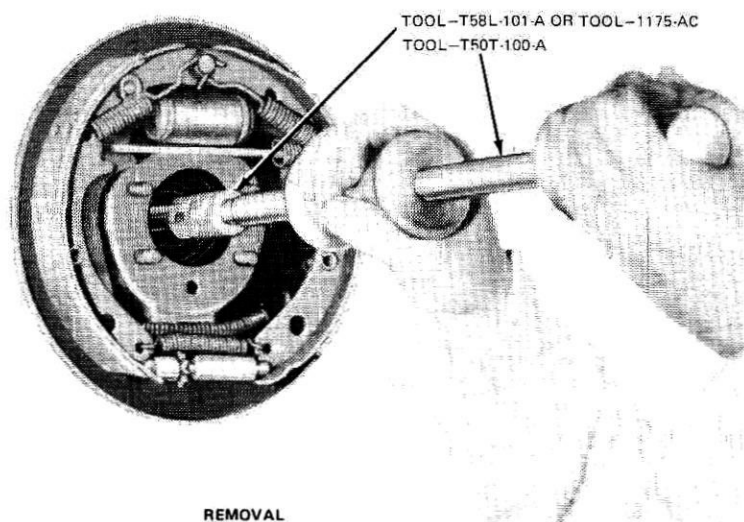
FIG. 4 Removing and Installing Rear Wheel Bearing

2. Place the retainer plate and a new bearing on the axle shaft, and press the new wheel bearing on the shaft with the tool shown in Fig. 4. **The bearing should seat firmly against the shaft shoulder. Do not attempt to press on both the bearing and the inner retainer ring at the same time.**
3. Using the bearing installation tool, press the bearing inner retainer ring on the shaft until the retainer seats firmly against the bearing. **Never apply heat to make it easier to install the bearing retainer ring or the bearing. This will weaken the axle shaft bearing journal area.**
4. Wipe all lubricant from the inside of the axle housing in the area of the oil seal before installing the new seal.
5. Install the new oil seal with the tools shown in Fig. 5. **Installation without use of the proper tool will distort the seal and cause leakage.** Install a new gasket on the housing flange and install the brake backing plate.
6. Carefully slide the axle shaft into the housing so that the rough forging of the shaft will not damage the oil seal. Start the axle splines into the side gear, and push the shaft in until the bearing bottoms in the housing.
7. Install the bearing retainer plate on the mounting bolts at the axle housing, and install the attaching nuts. Torque the nuts to specification.
8. Install the brake drum and the drum retaining nuts.
9. Install the wheel and tire on the drum, and install the wheel cover.

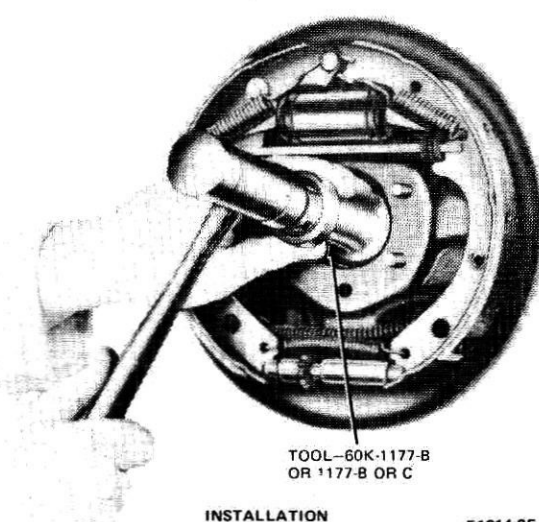
DRIVE PINION OIL SEAL

Synthetic seals must not be cleaned, soaked or washed in cleaning solvent.

Replacement of the pinion oil seal involves removal and installation of only the pinion shaft nut and the universal joint flange. However, this operation disturbs the pinion bearing preload, and this preload must be carefully reset when assembling.



REMOVAL



INSTALLATION

E1214-2F

FIG. 5 Removing and Installing Axle Shaft Seal

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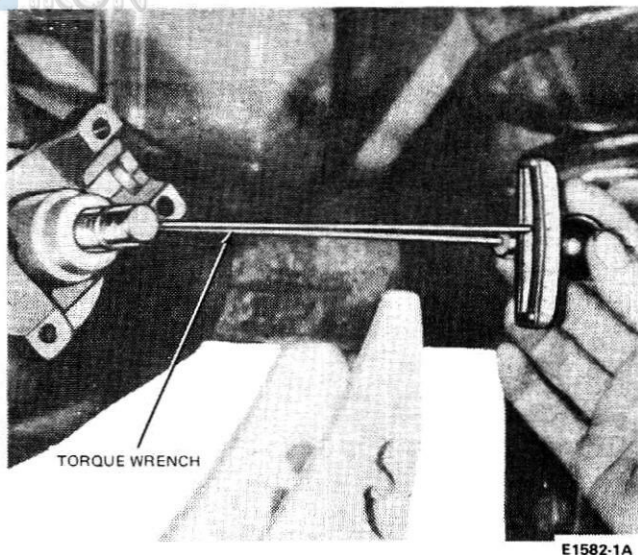


FIG. 6 Checking Pinion Bearing Preload

Removal

1. Raise the vehicle and install safety stands. Remove the rear wheels and brake drums.
2. Make scribe marks on the drive shaft end yoke and the axle U-joint flange to insure proper position of the drive shaft at assembly. Disconnect the drive shaft from the axle U-joint flange. **Be careful to avoid dropping the loose universal joint bearing cups.** Hold the cups on the spider with tape. Mark the cups so that they will be in their original position in relation to the flange when they are assembled. Remove the drive shaft from the transmission extension housing. Install an oil seal replacer tool in the transmission extension housing to prevent transmission leakage. Refer to the Transmission Group for the appropriate tool.
3. Install an in-lb torque wrench on the pinion nut (Fig. 6). Record the torque required to maintain rotation of the pinion shaft through several revolutions.
4. While holding the flange with the tool shown in Fig. 7, remove the integral pinion nut and washer.
5. Clean the pinion bearing retainer around the oil seal. Place a drain pan under the seal, or raise the front of the vehicle higher than the rear. Punch or scribe marks on the U-joint flange in relation to the pinion stem.
6. Using the tool shown in Fig. 8, remove the pinion U-joint flange.
7. Using the tool shown in Fig. 9, remove the drive pinion oil seal.
8. Clean the oil seal seat.

Installation

1. Pinion oil seals have pre-applied oil-resistant sealer. Install the seal in the retainer using the tool shown in Fig. 10.
2. Check splines on the pinion shaft to be sure they are free of burrs. If burrs are evident, remove them by using a fine crocus cloth, working in a circular motion. Wipe the pinion shaft clean.
3. Apply a small amount of lubricant to the U-joint splines.

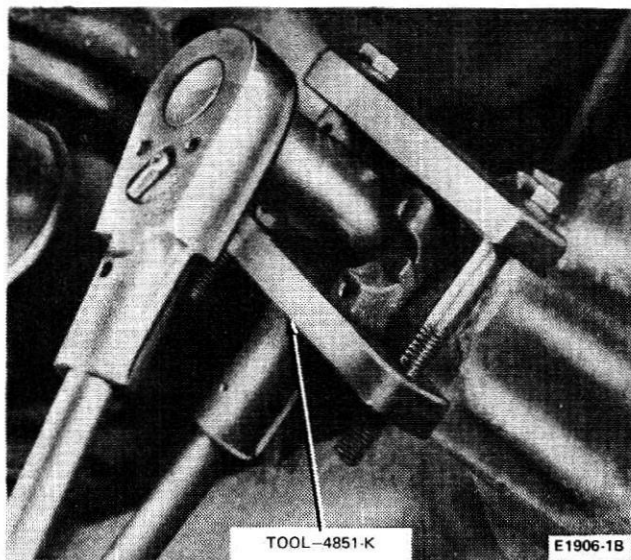


FIG. 7 Removing or Installing Drive Pinion Nut

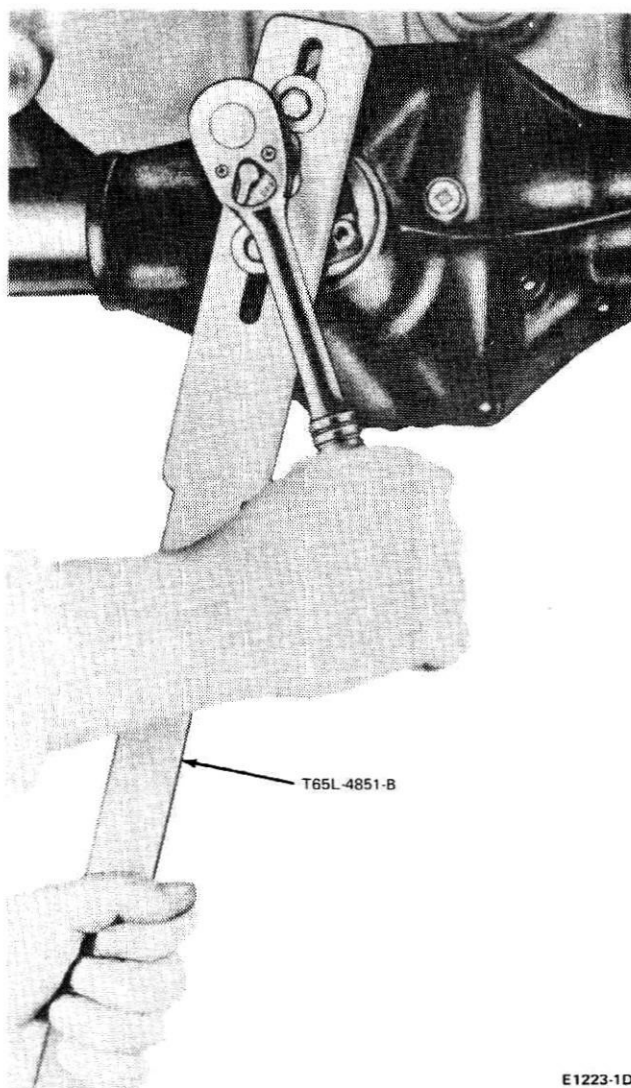


FIG. 8 Typical Drive Pinion Flange Removal

4. Align the punch or scribe mark on the U-joint flange with the mark on the end of the pinion shaft, and install the flange.