

Fig. 12—Tool C-4164 Positioned to Loosen or Tighten Hex Adjuster (Typical)

(14) Insert Tool C-4164 through axle tube on each side and loosen hex adjuster (Fig. 12).

(15) Place one hand on differential assembly to hold it in position. Using **extreme caution** remove bearing caps, adjusters and differential assembly (Fig. 13). Differential bearing cups must be kept with their respective bearing cones. On 8-1/4 inch axles the threaded adjusters must also be kept with their respective bearings. On 7-1/4 inch axles the adjusters will remain in the housing.

(16) Using an inch-pound torque wrench, measure pinion bearing preload and record. Remove drive pinion nut and washer. Using Tool C-452 and holding Tool C-3281 remove drive pinion flange (Fig. 14).

(17) Using Tool C-748 or a screwdriver tip and hammer, remove the drive pinion oil seal from carrier casting and discard.

(18) To remove drive pinion or front pinion bearing cone, the pinion stem must be driven rearward out of the bearing. **This will result in damage to bearing rollers and cups and both bearing cone and cup must be replaced with new parts. Discard collapsible spacer.**

(19) Using Tool C-4306 removers and C-4171 handle, remove front and rear bearing cups from housing.

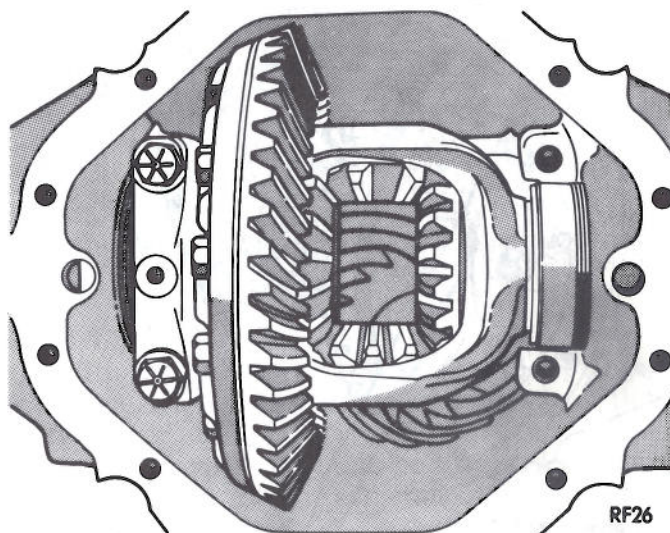


Fig. 13—Axle with One Bearing Cap Removed (Typical)

(20) Remove rear pinion bearing cone from drive pinion stem. On 7-1/4 inch axles use Tool C-293-PA and C-293-40 adapters. On 8-1/4 inch axles use Tool C-293-PA and C-293-42 adapters. Care must be taken to insure that the adapters are located so as not to pull on bearing cage

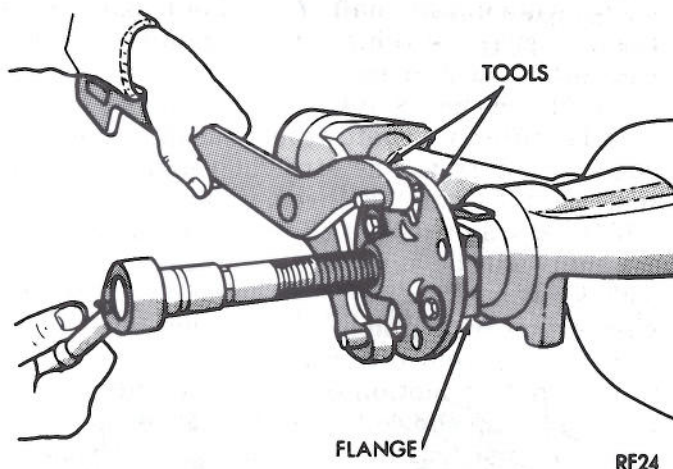


Fig. 14—Removing Drive Pinion Companion Flange (Typical)