

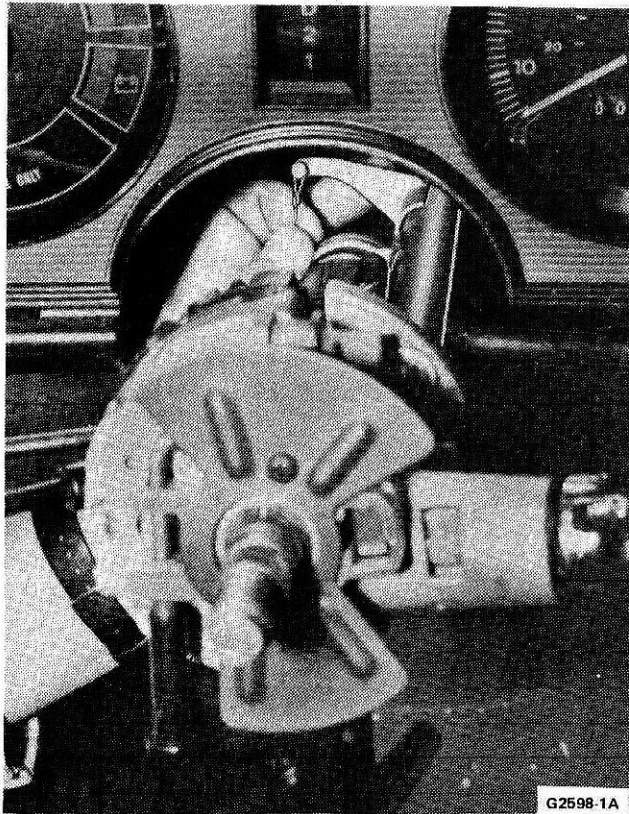


FIG. 6 Disconnecting or Connecting PRND21 Cable

5. Torque the four nuts that attach the column to the brake pedal support to 20-37 ft-lbs.
6. Move the shift selector into the Drive position against the drive stop on the insert plate. Rotate the PRND21 bracket located approximately midpoint on the steering column outer tube clockwise or counter-clockwise until the PRND21 pointer in the instrument cluster aligns with D. Tighten the nut on the bracket (Fig. 7).
7. Connect the ignition switch, turn signal and wash/wipe switch connectors.
8. Engage the safety strap and bolt assembly to the flange on the steering gear input shaft. Install the two nuts that attach the steering column lower shaft and U-joint assembly to the flange on the steering gear input shaft. Torque the nuts to 20-37 ft-lb. The safety strap must be properly positioned to prevent metal to metal contact after torquing nuts. The flexible coupling must not be distorted when the nuts are torqued. Pry steering shaft up or down with a suitable pry bar to achieve plus or minus 1/8" (3.175mm) coupling insulator flatness.
9. Connect the shift rod to the shift lever on the lower end of the steering column in the engine compartment using Tool No. T67P-7341-A (Fig. 5). Make sure the grommet has been replaced.
10. Raise the vehicle and loosen the adjustment nut on the automatic transmission shift rod. Move the transmission manual lever to the drive position by rotating it towards the rear of the vehicle until it stops; then rotate forward two detent positions. Make sure the shift lever handle on the steering column is in the Drive position. A weight of six

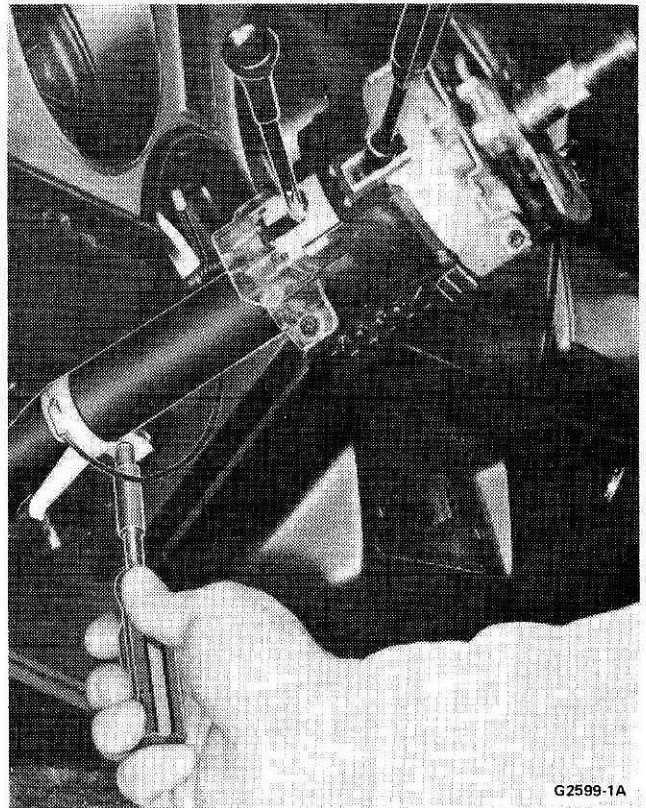


FIG. 7 Adjusting PRND21 Indicator

- pounds **maximum** should be hung on the shift selector to assure the lever is located firmly against the drive detent. Tighten the adjustment nut on the transmission shift rod.
11. Lower the vehicle.
 12. Engage the dust boot at the base of the steering column to the dash panel opening. Install the four screws that attach the dust boot to the dash panel.
 13. Attach the trim shrouds that cover the steering column upper end with four self tapping screws.
 14. Install the hood release mechanism and the steering column cover beneath the steering column.
 15. Install the steering wheel as described earlier in this Part.
 16. Connect the negative battery cable to the battery terminal.
 17. Check the steering column for proper operation.

Steering Column Assembly Floor Shift

Removal

1. Disconnect the negative battery cable (ground) from the battery terminal.
2. Remove the two nuts that attach the flexible coupling to the flange on the steering input shaft. Disengage the safety strap and the bolt assembly from the flexible coupling.
3. Remove the steering column trim shrouds, fastened by four self-tapping screws.
4. Remove the steering column cover and hood release mechanism directly under the column.

5. Disconnect all electrical connections (quick-couplers) from the steering column switches (turn signal, wash/wipe, ignition, key warning buzzer connecting wire).
6. Remove the four screws that attach the dust boot to the dash panel.
7. Remove the four attaching nuts holding the column to the brake pedal support. Lower the column to clear the four mounting bolts and pull the column out so that the U-joint assembly passes through the clearance hole in the dash panel.

Installation

1. Install the steering column by inserting the U-joint assembly through the opening in the dash panel.
2. Under the instrument panel, align the four bolts on the brake pedal support with the mounting holes on the column collar and bracket. Attach the nuts and torque to 20-37 ft-lb.
3. Connect the ignition switch, turn signal, key warning buzzer connector wire and wash/wipe switch connectors.
4. Engage the safety strap and bolt assembly to the flange on the steering gear input shaft. Install the two nuts that attach the steering column lower shaft and U-joint assembly to the flange on the steering gear input shaft. Torque the nuts to 20-37 ft-lbs. The safety strap must be properly positioned to prevent metal to metal contact after torquing nuts. The flexible coupling must not be distorted when the nuts are torqued. Pry steering shaft up or down with a suitable pry bar to achieve plus or minus 1/8" coupling insulator flatness.
5. Engage the dust boot at the base of the steering column to the dash panel opening. Install the four screws that attach the dust boot to the dash panel.
6. Attach the steering column trim shrouds by installing four self-tapping screws.
7. Install the hood release mechanism and the steering column cover beneath the steering column.
8. Connect the negative battery cable to the (ground) battery terminal.
9. Check the steering column for proper operation.

Steering Column Shift Cane Assembly

Removal

1. Remove the steering column assembly as described earlier in this part.
2. Remove the two nuts and bolts which connect the transmission gear shift shaft support bracket to the steering column collar.
3. Remove the C clip retainer at the upper end of the shift cane assembly and pull the assembly down and out of the bearing and washer located in the lock cylinder housing and detent plate.
4. Inspect the bearing; if damaged or excessively worn, remove and replace using Tool No. T67P-7341-A.
5. Pull the plastic transmission control selector lever opening cover from the upper shaft and allow to hang on the shift selector lever.

6. Use a small drift to remove the roll pin connecting the gear shift selector lever to the shift cane upper shaft.
7. The gear shift selector lever spring and plunger assembly can be removed and replaced if damaged or excessively worn by removing two screws on the upper shift cane shaft.
8. The PRND21 lever can be removed and replaced if damaged or excessively worn by removing one screw on the upper shift cane shaft.
9. Scribe a mark on the upper shaft where the upper and lower shafts form a joint. **Also, scribe marks on the upper and lower shafts on one side only to assure that the two shafts will not be reassembled 180 degrees out of position.**
10. Separate the upper and lower shift cane sections.
11. Slide the lower shift cane support bracket off the lower shaft and replace the bushing if damaged or excessively worn.
12. Remove and discard the two steel anti-rattle clips.

Installation

1. Install two new steel anti-rattle clips in the grooves on the shift cane upper shaft. **Both clips must be installed in the same direction.** Install the lower shift cane support bracket onto the lower shaft, with bushing installed in the bracket.
2. Lubricate the lower six inches of the shift cane upper shaft with a liberal amount of chassis lubricant.
3. Place the lower shift cane shaft in a vice and install the upper shaft into the lower shaft to the scribed mark on the upper shaft. Care must be taken not to damage the upper end of the shaft cane during assembly of the lower shaft. Check the scribed marks on the upper and lower shafts made earlier to determine that the two shaft sections are not installed 180 degrees out of position.
4. Install the plastic transmission control selector lever opening cover loosely on the shift selector lever. Insert the selector lever through the slot in the upper shaft and install a new roll pin. The tip of the selector lever should protrude through the upper shaft on the side of the plunger and spring assembly.
5. Install the plastic transmission control selector lever opening cover on the upper shaft.
6. Insert the upper end of the shift cane into the bearing and washer in the lock cylinder housing and install the C-clip retainer. Make sure the shift selector lever mates correctly with the detent plate on the lock cylinder housing.
7. Align the lower support bracket with the two holes in the steering column collar and fasten with the two nuts and bolts to 14.5 to 22 ft-lbs torque.
8. Check the shift cane for smooth rotational action. Lubricate the selector lever, plunger, spring and detent plate with chassis lubricant.
9. Install the steering column assembly as described earlier in this section.

Upper Shaft Bearing

Removal

1. Remove the steering wheel as described earlier in this section.
2. Remove the two trim shroud halves by removing four screws.
3. Remove the upper bearing retainer plate.
4. Remove the two nuts that attach the steering column lower shaft and U-joint assembly to the flange on the steering gear input shaft.
5. Using a snap ring pliers, remove the snap ring holding the upper bearing onto the steering shaft.
6. Pull outward on the steering shaft. The shaft will move approximately one quarter of an inch, carrying the upper bearing and sleeve with it. This movement of the bearing will allow the blades of two screwdrivers or similar tools to be inserted under the bearing by using the two ramps in the casting provided for this purpose. With the blades of the screwdrivers under the bearing, pry it gently off the knurl on the steering shaft (Fig. 8).

Installation

1. Prick punch the steering column upper shaft serration diameter sufficiently to insure an interference fit between the bearing inner race and the steering column upper shaft.
2. Position the bearing and insulator on the steering column upper shaft. Work the bearing and insulator as far down the steering column upper shaft as possible, then place a piece of pipe .75" inside diameter x 1.5" over the end of the steering column upper shaft and install the steering wheel attaching nut (Fig. 9).
3. Tighten the steering wheel attaching nut until the bearing is seated on the steering shaft.
4. Remove the steering wheel attaching nut and the piece of pipe from the steering column upper shaft.
5. Install the snap ring in the groove at the top of the steering column upper shaft above the bearing.
6. Install the upper bearing retainer plate.
7. Engage the safety strap and bolt assembly to the flange on the steering gear input shaft. Install the two nuts that attach the steering column lower shaft

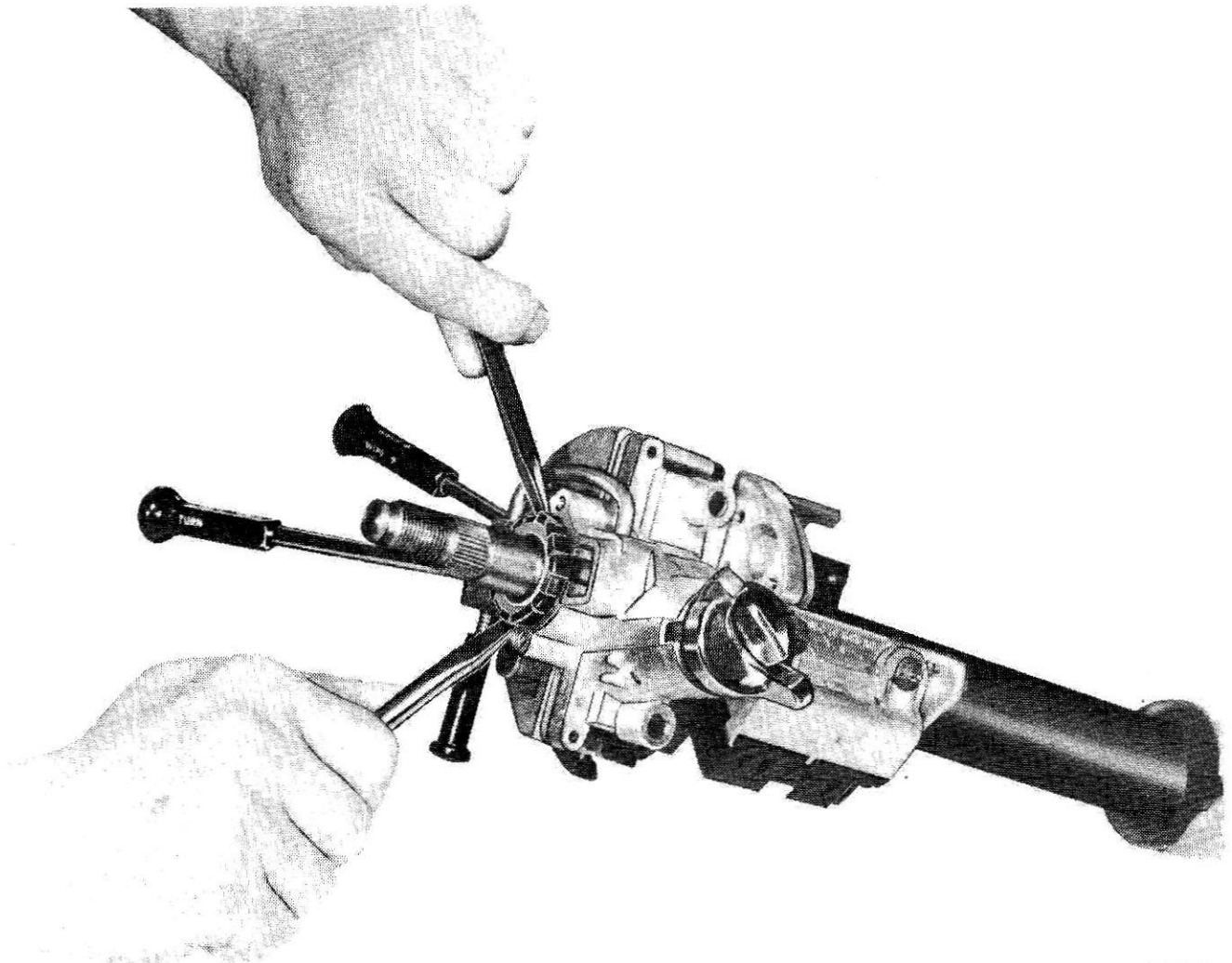


FIG. 8 Removing Upper Shaft Bearing

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