

The Park Lock Interlock Linkage (PLIL)

The Park Lock Interlock Linkage is designed to lock the transmissions internal detent plate in the Park position after the selector lever has rested in Park and the brake pedal is released. *(As an added safety measure, the Steering Lock Interlock System prevents the removal of the key if the parking lock is not engaged).*

When the ignition key is turned and the brake pedal is depressed, the latch lever at the end of the cable system inside the transmission is lifted off of the internal detent lever disengaging the Park lock.

The Park Lock Interlock Linkage (Figure 7) passes through the case (Figure 8) connecting the brake cable to the latch lever used to block the detent lever. A screwdriver would be inserted to release a locking tab freeing the cable from the PLIL. On the later versions, the end of the cable (Figure 9) would twist lock into the PLIL.

This PLIL has a common problem allowing transmission fluid to leak past its seal. It has since been eliminated in later vehicles as shown in Figure 10. For earlier models that have the PLIL, part numbers for the early and late versions are provided in Figure 7. Refer to Figure 11 when replacing a PLIL.

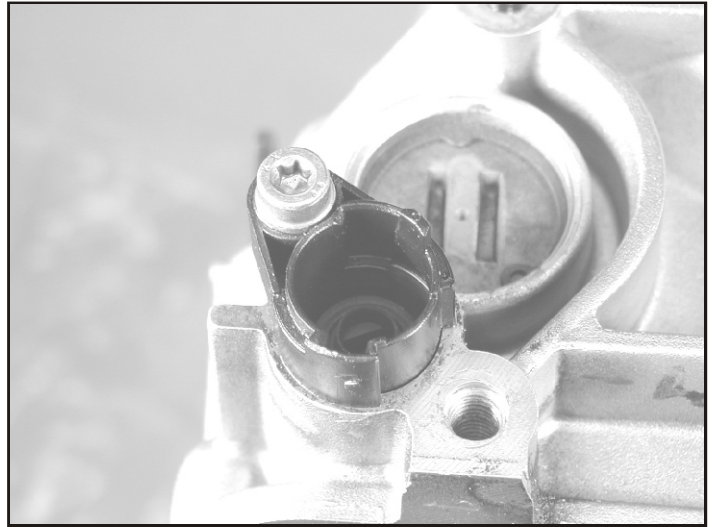


Figure 8



Figure 9



Figure 7

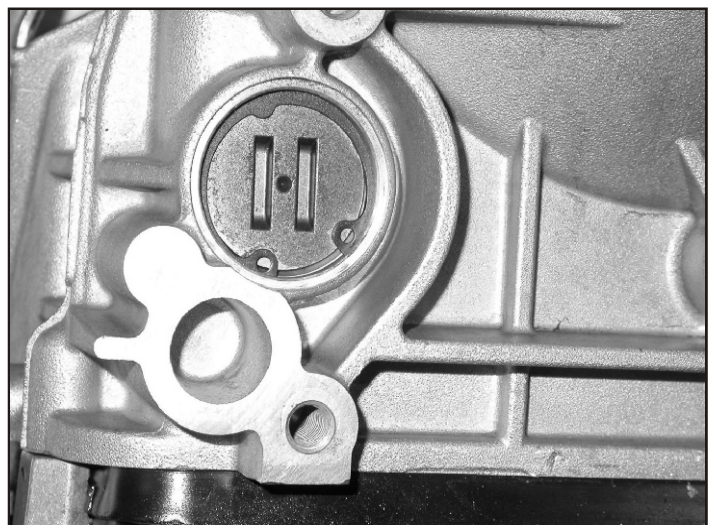
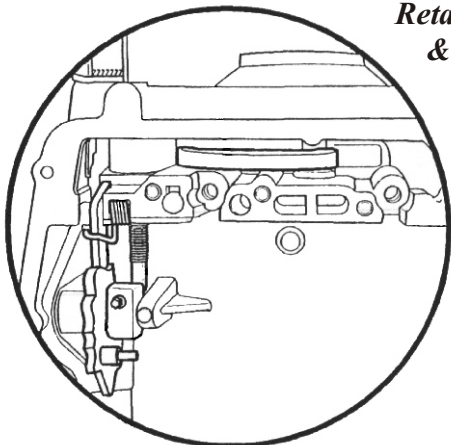
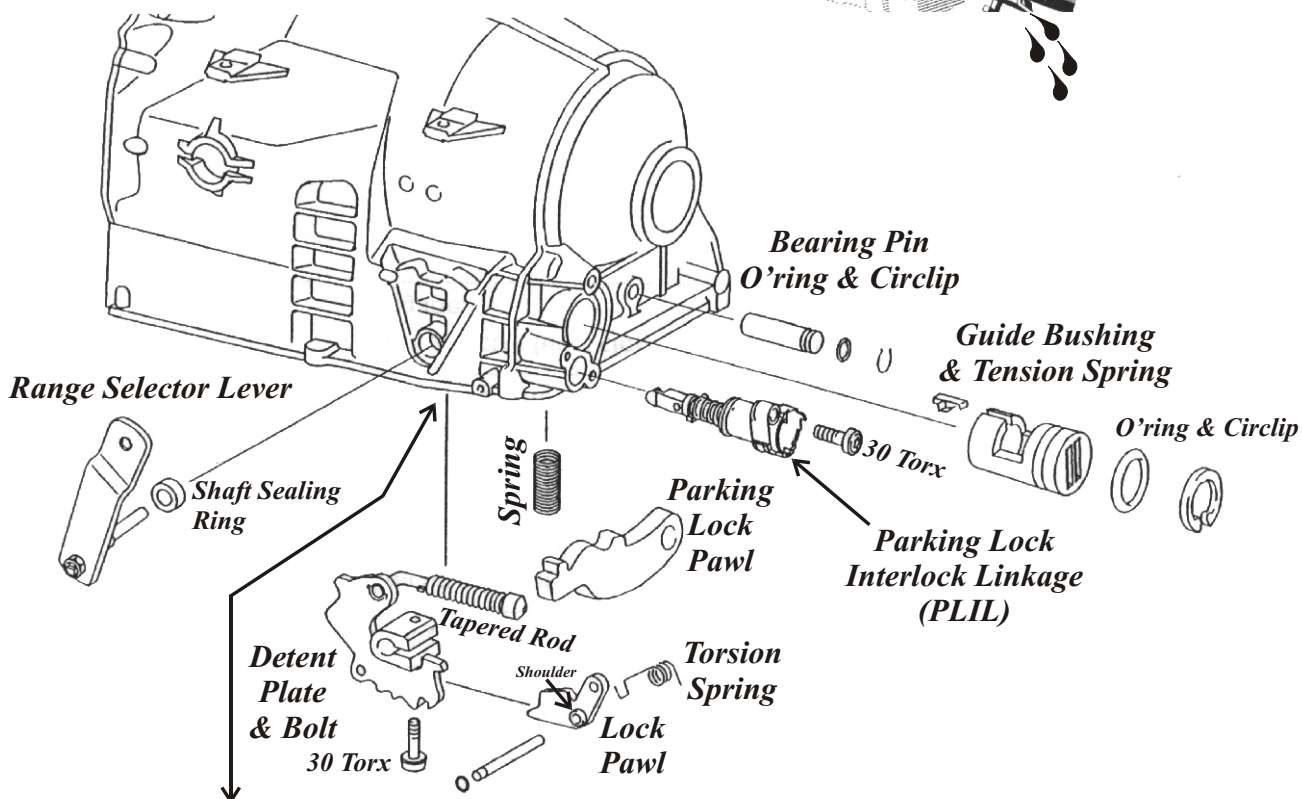
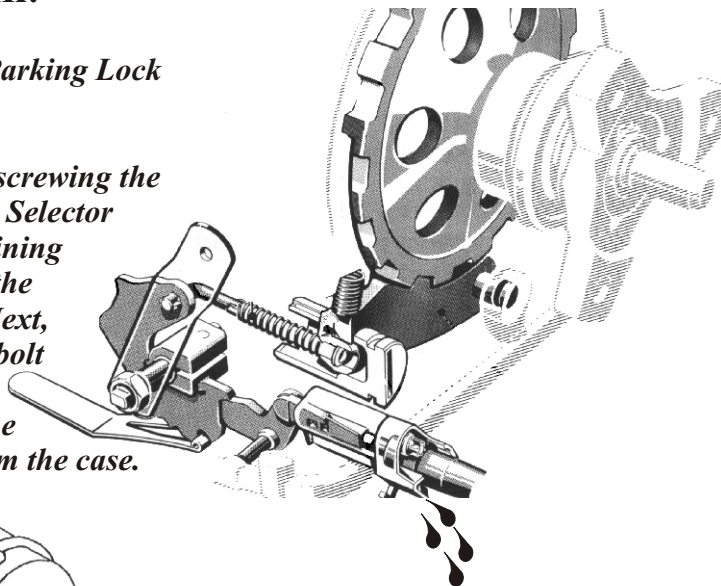


Figure 10

The Parking Lock Interlock Linkage LEAK!

It is very common to find fluid seeping past the Parking Lock Interlock Linkage (PLIL). To replace:

Remove the Detent Plate and Tapered Rod by unscrewing the 30 Torx head retaining bolt and pulling the Range Selector Shaft out of the case. Next, carefully tap the retaining pin out of the case. As the pin is being removed, the tension spring can be removed simultaneously. Next, unscrew and remove the 30 Torx head retaining bolt from the PLIL. Slide the PLIL out from the case approximately 1" giving room to separate the lock pawl from PLIL and remove both pieces from the case.



To Install: Slide the PLIL partially into the case so as to attach the Lock Pawl to the tip of the PLIL. Be sure to have the shoulder on the Lock Pawl facing the outside edge of the case. Once attached, slide the PLIL into place and secure it with the 30 Torx head bolt (8 Nm/ 5.9 Ft. Lbs.). With a new O-ring on the retaining pin, slide the pin into the Lock Pawl while positioning the tension spring onto the Lock Pawl and the pin through its windings. At this time the Detent Plate and Tapered Rod assembly can be inserted into position aligning it to the Range Selector Lever shaft. Once the shaft is into the Detent Plate, secure the assembly with the 30 Torx head bolt (8 Nm/ 5.9 Ft. Lbs.).

Figure 11