

7-2 DRIVE TRAIN

AUTOMATIC TRANSMISSION

Fluid Pan and Filter Service

REMOVAL & INSTALLATION

Refer to Section 1 for transmission pan removal and filter service.

Neutral Safety Switch

REMOVAL & INSTALLATION

1988-91 Models Only

➔ On 1992 and later models, the neutral safety switch is incorporated into the Manual Lever Position or Transmission Range MLP/TR sensor. Refer to the MLP/TR sensor procedure in this section.

The neutral safety switch is located on the transmission case above the manual lever.

1. Set the parking brake.
2. Place the selector lever in the manual L position.
3. Remove the air cleaner assembly.
4. Disconnect the negative battery cable.
5. Disconnect the neutral safety switch electrical harness from the switch by lifting the harness straight up off the switch without side-to-side motion.

6. Reach in the area of the left hand dash panel, using a 24 inch extension, universal adapter and socket tool T74P-77247-A or equivalent, and remove the neutral safety switch and O-ring.

➔ Use of different tools could crush or puncture the walls of the switch.

To install:

7. Install the neutral safety switch and new O-ring using socket tool T74P-77247-A or equivalent.
8. Tighten the switch to 8-11 ft. lbs. (11-15 Nm).
9. Connect the neutral safety switch to the wiring harness.
10. Connect the negative battery cable.
11. Check that the vehicle starts in the N or P position.

ADJUSTMENT

No adjustment is possible on the neutral safety switch.

Manual Lever Position (MLP) Sensor/Transmission Range (TR) Sensor

REMOVAL & INSTALLATION

➔ See Figures 1, 2, 3, 4 and 5

1. Disconnect the negative battery cable.
2. Raise and support the vehicle safely on jackstands.

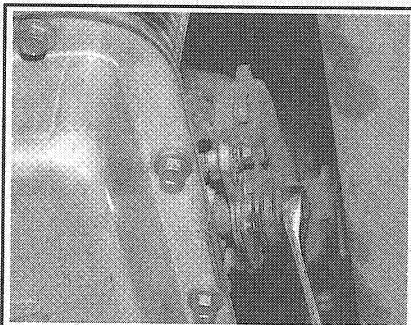


Fig. 1 Unfasten the nut for the manual control lever and . . .

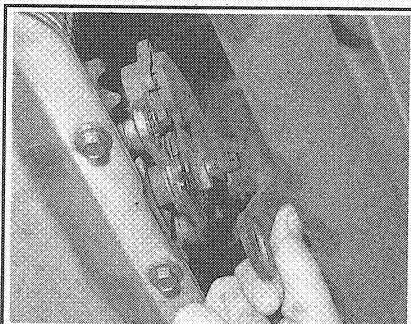


Fig. 2 . . . remove the lever from the sensor

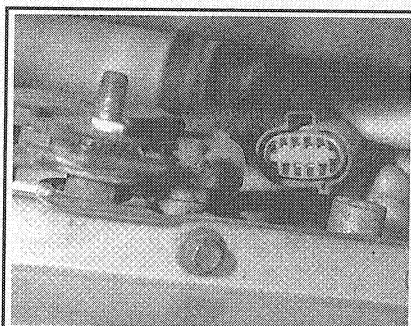


Fig. 3 Detach the connector from the TR sensor

3. Place the transmission in Neutral.
4. Remove and discard the manual control lever nut, then remove the lever from the transmission.
5. Detach the TR sensor electrical harness connector, remove the TR sensor retaining bolts, and then pull the TR sensor off the transmission case.

To install:

6. Position the TR sensor against the transmission case and loosely install the 2 retaining screws.

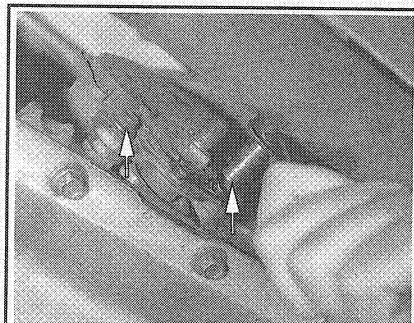


Fig. 4 Unfasten the retaining bolts and . . .

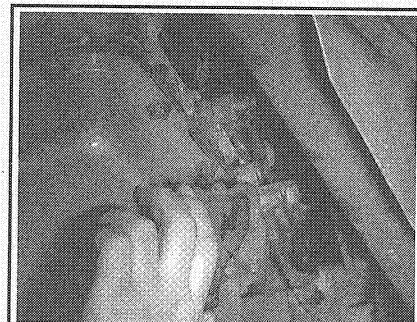


Fig. 5 . . . remove the sensor from the transmission

7. Attach the TR sensor electrical harness connector.

8. Use an alignment tool, such as the TR Sensor Alignment Tool T93P-70010-A, to align the TR sensor slots.

9. Tighten the TR sensor bolts to 80-100 inch lbs. (9-11 Nm).

10. Position the manual control lever onto the TR sensor, then install the new lever nut to 22-26 ft. lbs. (30-35 Nm).

11. Lower the vehicle.

12. Connect the negative battery cable.

ADJUSTMENT

➔ See Figure 6

➔ Park is the last detent when the manual control lever is full forward. Return 2 detents toward the output shaft for Neutral.

1. Position the manual control lever in Neutral.
2. Raise and safely support the vehicle.
3. Loosen the sensor retaining bolts.
4. Insert Gear Position Sensor Adjuster tool T93P-700 10-A or equivalent, into the slots.
5. Align all 3 slots on the MLP sensor with 3 tabs on the tool.
6. Tighten the attaching screws to 80-100 inch lbs. (9-11 Nm).
7. Lower the vehicle.