

REMOVAL

1. Separate Seat (M/T):

REMOVE TRANSFER SHIFT LEVER ASSEMBLY

- Remove the transmission and transfer shift lever knobs.
- Remove the front console box.
(See page BO-124)
- Remove the 6 bolts and shift lever boot retainer.
Torque: 6.5 N·m (66 kgf·cm, 58 in·lbf)
- Remove the shift lever boot.
- Remove the 4 bolts, gasket and transfer shift lever assembly.

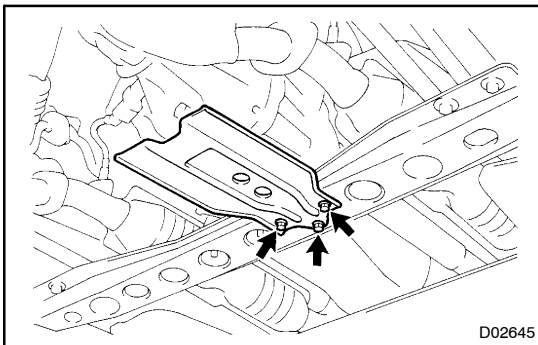
Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)

2. RAISE VEHICLE

NOTICE:

Make sure that the vehicle is securely supported.

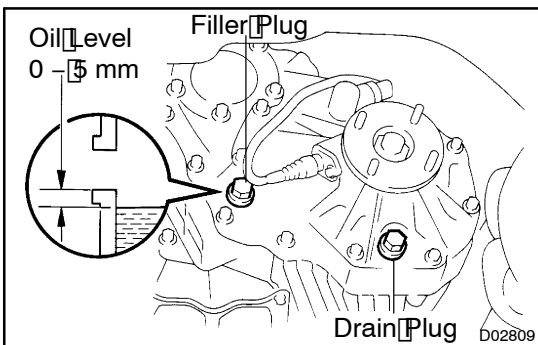
3. REMOVE FRONT AND REAR PROPELLER SHAFTS (See page PR-2)



4. REMOVE TRANSFER CASE PROTECTOR

Remove the 3 bolts and transfer case protector.

Torque: 28 N·m (290 kgf·cm, 21 ft·lbf)



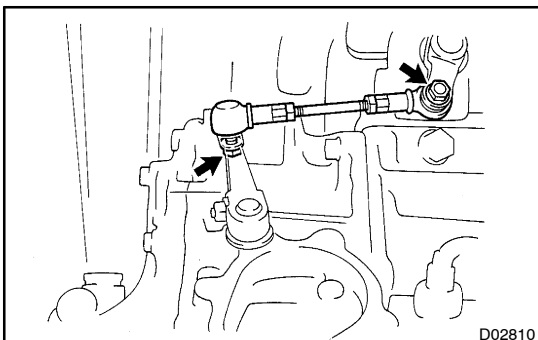
5. DRAIN TRANSFER OIL

Oil grade: API GL-4 or GL-5

Viscosity: SAE 75W-90

Capacity: 1.5 liters (1.6 US qts, 1.3 Imp. qts)

Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

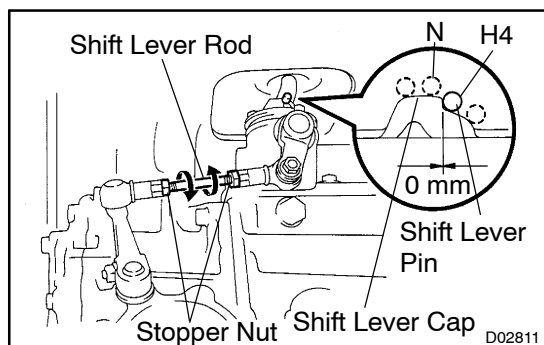


6. w/o One Touch 2-4 Selector System, Bench Seat (M/T):

REMOVE TRANSFER SHIFT LEVER ROD ASSEMBLY

Remove the 2 nuts, wave washers and transfer shift lever rod assembly.

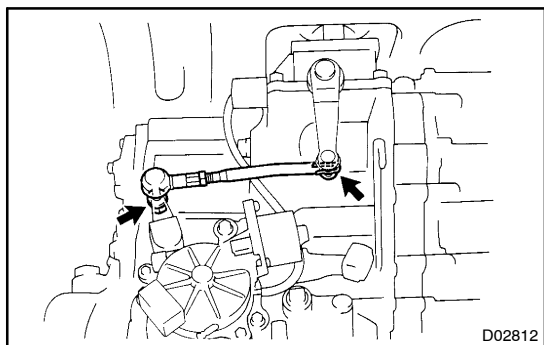
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

**HINT:**

At the time of installation, please refer to the following items.

- **Adjust the shift lever rod length:**
Loosen the stopper nuts of the transfer shift lever rod assembly at 2 positions and ensure that the shift lever rod turns freely. By turning the shift lever rod, length of the shift lever rod can be adjusted, as both ends of the shift lever rod are male screws. To position the shift lever, adjust the shift lever rod length so that the clearance between the shift lever pin and shift lever cap is 0 mm in H4 position. If the shift lever rod is turned or loosened excessively, shift lever pin might not move down when shifting from N to H4, so make sure to perform the following operation check.
- **Perform the operation check:**
After positioning the shift lever pin, repeat shifting from H4 to N to H4. Check that the shift lever pin moves down securely when shifting from N to H4 and functions as a shift stopper when shifting from H4 to N (Several times). If the shift lever pin does not move down securely, adjust the length of the shift lever rod and perform the operation check again. After performing the above check, tighten the stopper nuts to the specified torque.

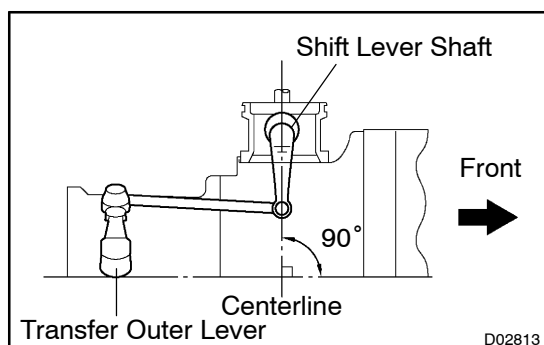
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)



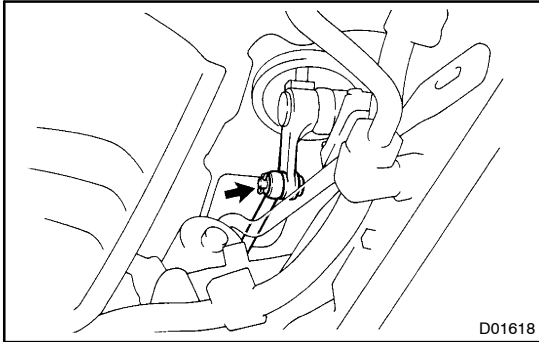
7. w/ One Touch 2-4 Selector System, Bench Seat (M/T): REMOVE TRANSFER SHIFT LEVER ROD ASSEMBLY

- Remove the clip, plate washer, wave washer and bushing from the transfer shift lever shaft.
- Remove the nut, wave washer and transfer shift lever rod assembly.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

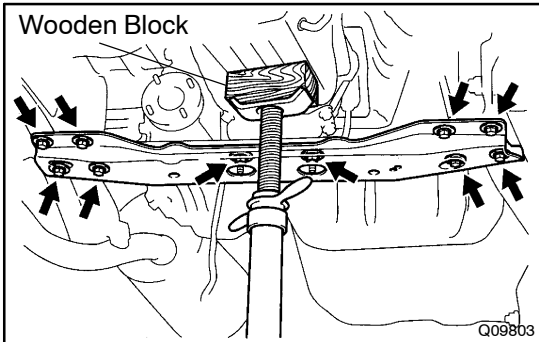
**HINT:**

At the time of installation, please refer to the following item. Ensure that the shift lever shaft is perpendicular at the centerline. Shift the transfer outer lever in the neutral position and position the transfer shift lever rod assembly. After positioning the transfer shift lever rod assembly, tighten the nut of the transfer outer lever and transfer shift lever rod assembly end to the specified torque.



**8. A/T:
DISCONNECT TRANSFER SHIFT LEVER ROD ASSEMBLY**

- (a) Remove the clip, plate washer, wave washer and bushing.
- (b) Disconnect the transfer shift lever rod assembly from the transfer shift lever shaft.



9. REMOVE CROSSMEMBER

- (a) Support the transmission, as shown.

NOTICE:

A/T:

Use a wooden block so not to damage the transmission oil pan.

- (b) Remove 8 bolts, 2 nuts and crossmember.

Torque:

Bolt: 50 N·m (510 kgf·cm, 37 ft·lbf)

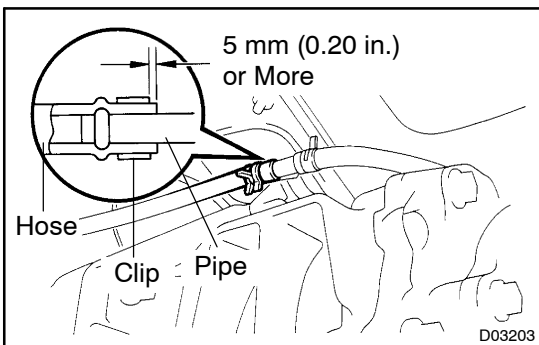
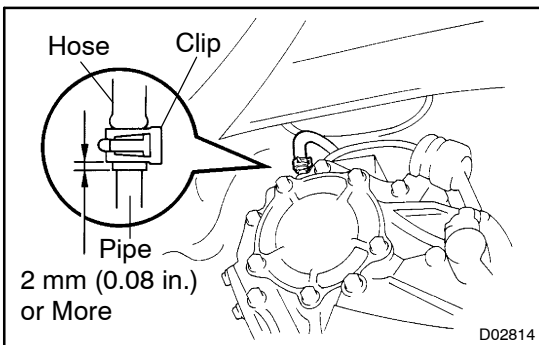
Nut: 74 N·m (750 kgf·cm, 54 ft·lbf)

**10. w/o One Touch 2-4 Selector System (M/T):
DISCONNECT BREATHER HOSE**

HINT:

At the time of installation, please refer to the following item.
Assemble the clip to the position shown in the illustration.

**From the hose end to the clip end:
2 mm (0.08 in.) or more**



**11. w/ One Touch 2-4 Selector System (M/T) & A/T:
DISCONNECT BREATHER HOSE**

HINT:

At the time of installation, please refer to the following item.
Assemble the clip to the position shown in the illustration.

**From the hose end to the clip end:
5 mm (0.20 in.) or more**

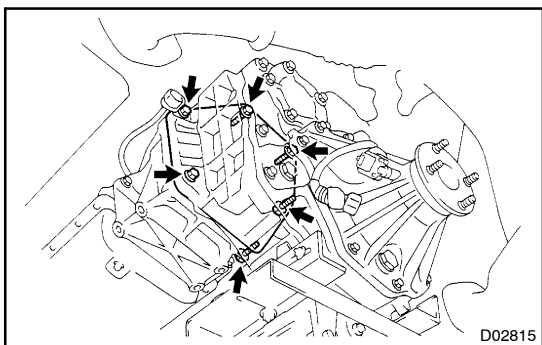
12. DISCONNECT FOLLOWING CONNECTOR FROM TRANSFER

- No.1 speed sensor connector
- L4 position switch connector
- Neutral position switch connector
- Transfer 4WD position switch connector
- w/ One Touch 2-4 Selector System (M/T) & AT:
Motor actuator connector

13. A/T:

DISCONNECT GROUND CABLE

Remove the bolt and disconnect the ground cable from the transfer.

**14. JACK UP TRANSFER SLIGHTLY**

Using a transmission jack, support the transfer.

15. REMOVE TRANSFER FROM TRANSMISSION

- (a) Disconnect the wire harness from the transfer.
- (b) Remove the 6 transfer adaptor rear mounting bolts.

Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

- (c) Pull out the transfer down and toward the rear.