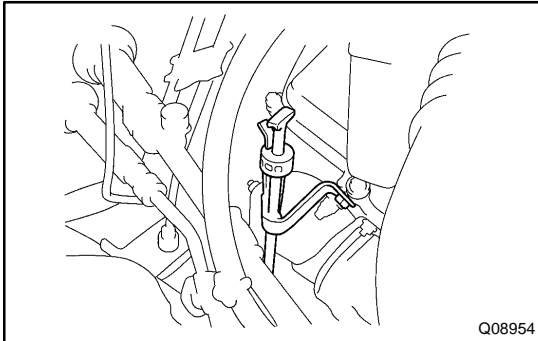


## REMOVAL

### 1. REMOVE ATF LEVEL GAUGE



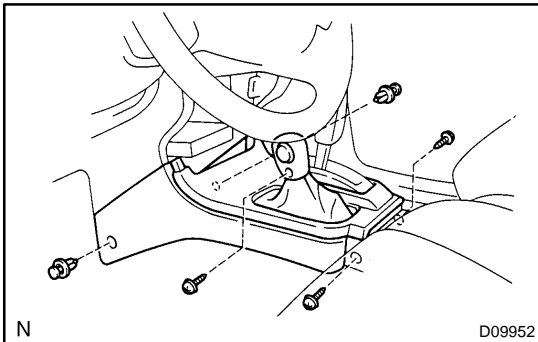
### 2. REMOVE OIL FILLER PIPE

Remove the bolt and oil filler pipe with O-ring.

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

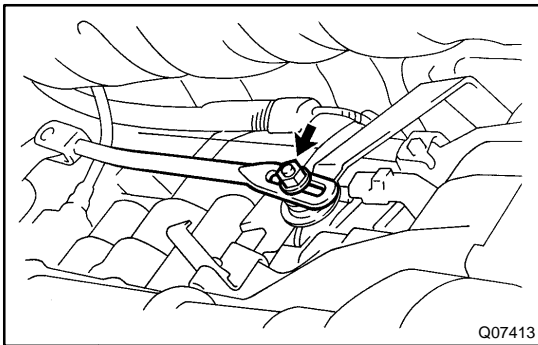
HINT:

At the time of installation, please refer to the following item.  
Replace the used O-ring with a new one.



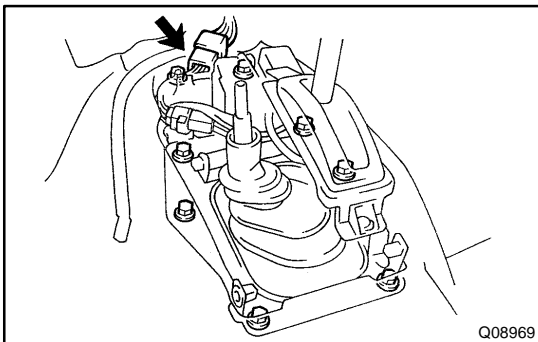
### 3. REMOVE TRANSMISSION SHIFT LEVER ASSEMBLY AND TRANSFER SHIFT LEVER

- Remove the screw and disconnect the transfer shift lever knob.
- Remove the front console upper panel.
- Disconnect the 2-4 selector connector and remove the transfer shift lever knob.
- Remove the 2 clips, screws and front console box.



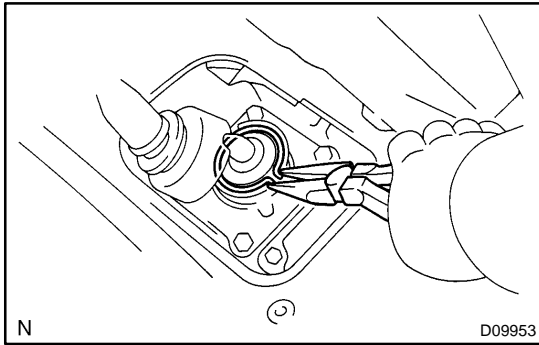
- Remove the nut and washer and disconnect the shift control rod.

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



- Disconnect the connector and remove the 8 bolts and transmission shift lever assembly.

**Torque: 5.9 N·m (60 kgf-cm, 52 in.-lbf)**



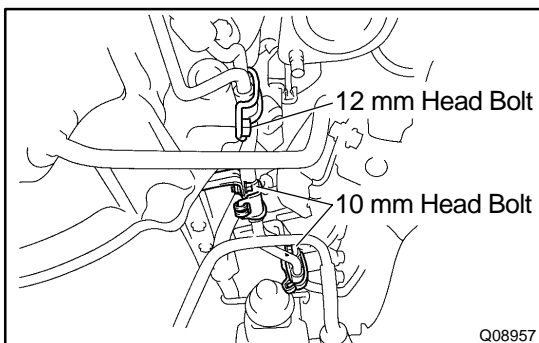
- (g) Using pliers, remove the snap ring and pull out the transfer shift lever from the transfer.

**HINT:**

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

Apply MP grease to the transfer shift lever.

4. **REMOVE 2 ENGINE UNDER COVERS**
5. **REMOVE FRONT AND REAR PROPELLER SHAFT**  
(See page [PR-8](#) )
6. **REMOVE FRONT EXHAUST PIPE**  
(See page [EM-105](#) )
7. **DISCONNECT NO. 2 VEHICLE SPEED SENSOR CONNECTOR FROM TRANSMISSION**
8. **DISCONNECT SOLENOID CONNECTOR FROM TRANSMISSION**
9. **DISCONNECT ATF TEMPERATURE SENSOR CONNECTOR FROM TRANSMISSION**
10. **DISCONNECT PARK/NEUTRAL POSITION SWITCH CONNECTOR FROM TRANSMISSION**
11. **DISCONNECT NO. 1 VEHICLE SPEED SENSOR CONNECTOR FROM TRANSFER**
12. **DISCONNECT TRANSFER NEUTRAL POSITION SWITCH CONNECTOR FROM TRANSFER**
13. **DISCONNECT TRANSFER L4 POSITION SWITCH CONNECTOR FROM TRANSFER**
14. **DISCONNECT TRANSFER 4WD POSITION SWITCH CONNECTOR FROM TRANSFER**
15. **DISCONNECT ACTUATOR CONNECTOR FROM TRANSFER**
16. **SEPARATE WIRE HARNESS FROM TRANSMISSION AND TRANSFER**



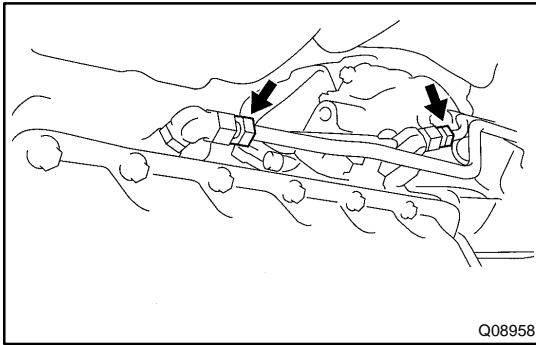
**17. DISCONNECT OIL COOLER PIPE**

- (a) Remove the 3 bolts and oil cooler pipe clamps.

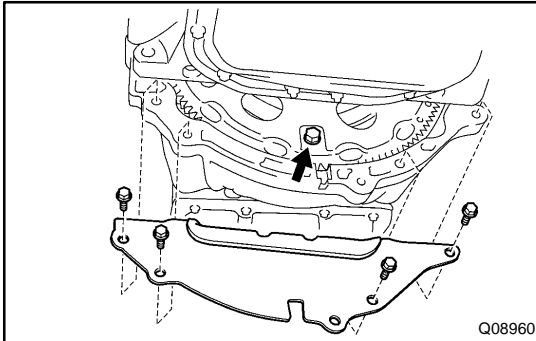
**Torque:**

**10 mm head bolt: 5.0 N·m (51 kgf-cm, 44 in.-lbf)**

**12 mm head bolt: 12 N·m (120 kgf-cm, 9 ft.-lbf)**



- (b) Disconnect the 2 oil cooler pipes.  
**Torque: 34 N·m (350 kgf-cm, 25 ft-lbf)**

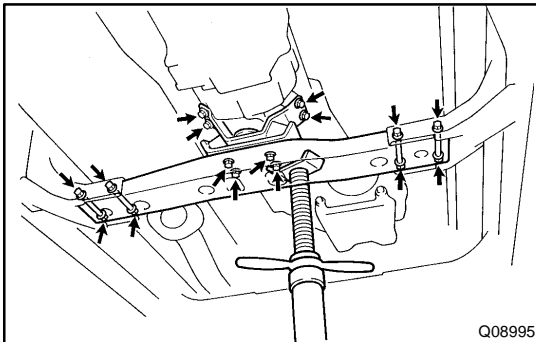


**18. REMOVE REAR END PLATE AND TORQUE CONVERTER CLUTCH MOUNTING BOLT**

- (a) Remove the 4 bolts and rear end plate.  
**Torque: 18 N·m (185 kgf-cm, 13 ft-lbf)**  
(b) Turn the crankshaft to gain access and remove the 6 bolts with holding the crankshaft pulley set bolt by a wrench.  
**Torque: 41 N·m (420 kgf-cm, 30 ft-lbf)**

**HINT:**

At the time of installation, please refer to the following item.  
First install green colored bolt and then 5 other bolts.

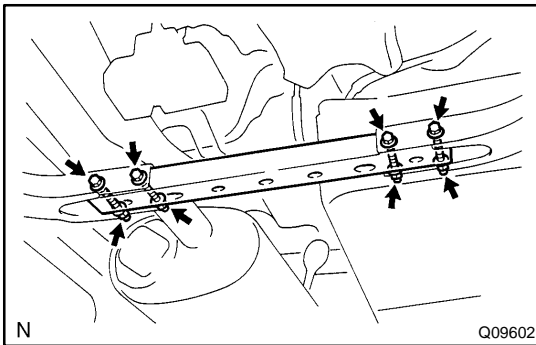


**19. REMOVE NO. 3 CROSSMEMBER**

- (a) Support the transmission rear side with a support stand.  
(b) Remove the 4 set bolts of the engine rear mounting.  
**Torque: 18 N·m (185 kgf-cm, 13 ft-lbf)**  
(c) Remove the 4 bolts, nuts and No. 3 crossmember.  
**Torque: 65 N·m (660 kgf-cm, 48 ft-lbf)**

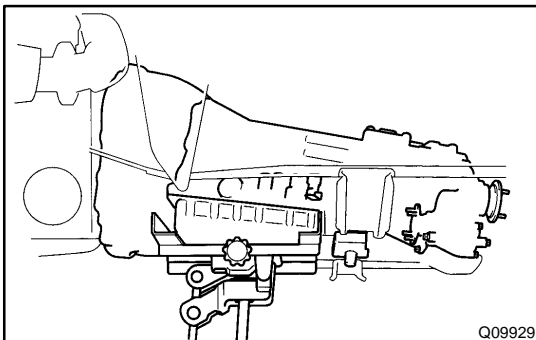
**20. REMOVE ENGINE REAR MOUNTING**

Remove the 4 bolts and engine rear mounting from the transmission.



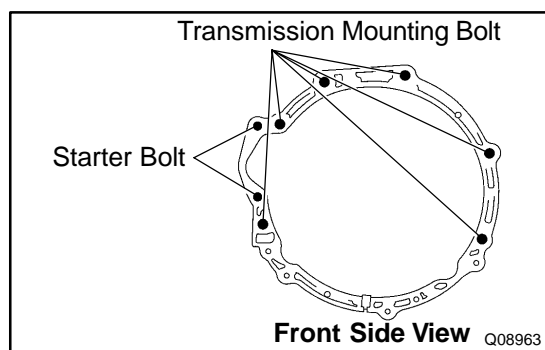
**21. REMOVE NO. 4 CROSSMEMBER**

Remove the 4 bolts, nuts and No. 4 crossmember.  
**Torque: 65 N·m (660 kgf-cm, 48 ft-lbf)**



**22. JACK UP TRANSMISSION**

- (a) Support the transmission with a transmission jack.  
(b) Remove a support stand from the transmission rear side.

**23. REMOVE STARTER**

- (a) Remove the nut and disconnect the starter wire and connector.
- (b) Remove the 2 bolts and starter.

**Torque: 39 N·m (400 kgf-cm, 29 ft-lbf)**

**24. REMOVE TRANSMISSION**

- (a) Disconnect the stabilizer bar (See page [SA-77](#) ).
- (b) Remove the 6 bolts and transmission.

**Torque: 71 N·m (730 kgf-cm, 53 ft-lbf)**