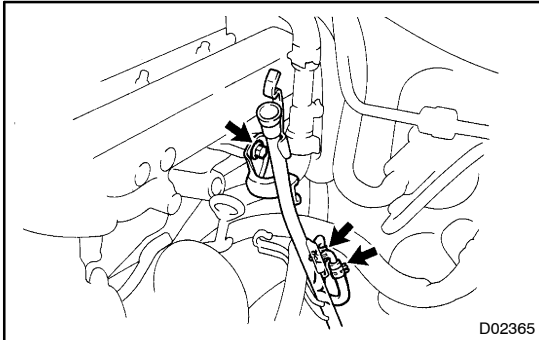
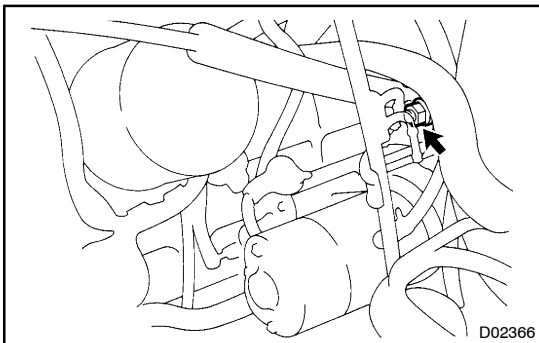


## REMOVAL

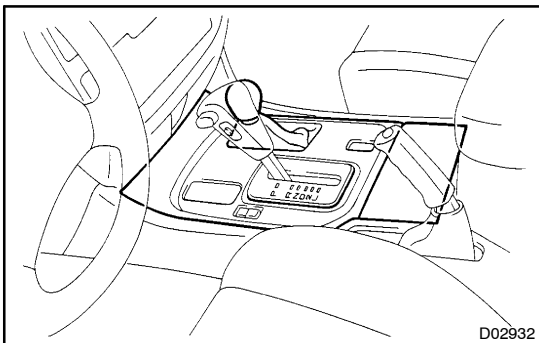
1. **1HZ, 1HD-T Only:**  
**DISCONNECT THROTTLE CABLE**  
Torque: 14.7 N·m (150 kgf·cm, 11 ft·lbf)
2. **REMOVE ATF LEVEL GAUGE**



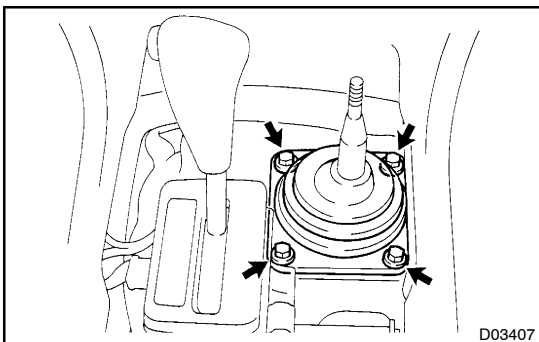
3. **REMOVE ATF FILLER PIPE UPPER SIDE MOUNTING BOLT**  
Torque: 11.5 N·m (120 kgf·cm, 8 ft·lbf)
4. **DISCONNECT BREATHER HOSE**  
Loosen the 2 clips and disconnect the 2 breather hoses.



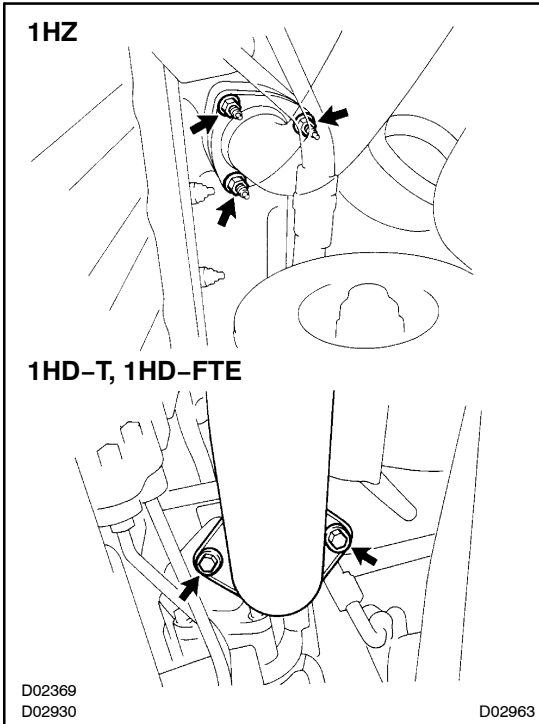
5. **REMOVE STARTER UPPER SIDE MOUNTING NUT**  
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



6. **REMOVE TRANSFER SHIFT LEVER KNOB AND UPPER CONSOLE PANEL**
  - (a) Remove the transfer shift lever knob.
  - (b) Remove the upper console panel.
  - (c) Disconnect the connector from the upper console panel.



7. **REMOVE TRANSFER SHIFT LEVER BOOT**  
Remove the 4 bolts and transfer shift lever boot.
8. **1HD-FTE Only:**  
**REMOVE TRANSMISSION UNDER COVER**
9. **IFS Only:**  
**REMOVE NO.1 AND NO.2 ENGINE UNDER COVERS**
10. **RFS Only:**  
**REMOVE ENGINE UNDER COVER**
11. **REMOVE FRONT AND REAR PROPELLER SHAFT**  
(See page PR-4)



## 12. REMOVE FRONT EXHAUST PIPE

### (a) 1HZ Only:

Remove the nuts.

**Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)**

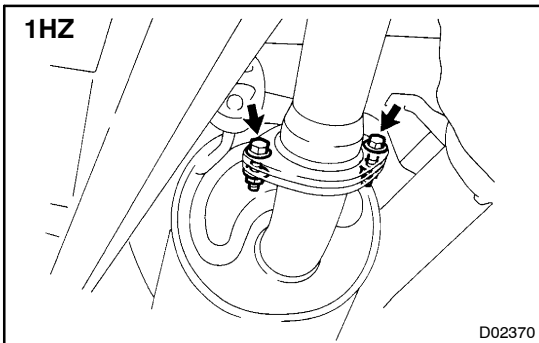
### HINT:

At the time of installation, please refer to the following item.  
Replace the used nuts with new ones.

### (b) 1HD-T, 1HD-FTE Only:

Remove the 2 bolts.

**Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)**

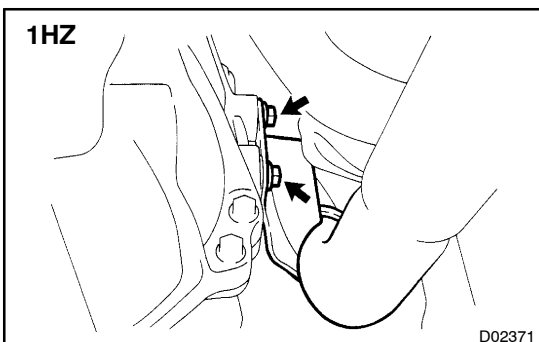
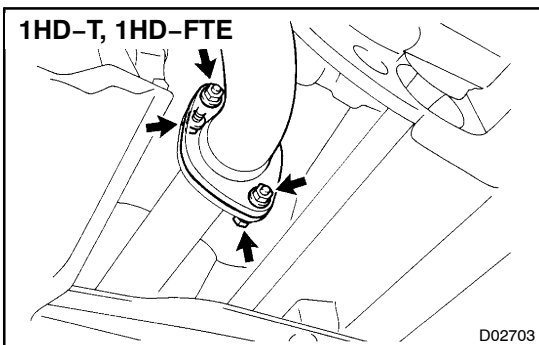


### (c) Remove the 2 bolts and nuts.

**Torque: 40 N·m (408 kgf·cm, 29 ft·lbf)**

### HINT:

At the time of installation, please refer to the following item.  
Replace the used nuts with new ones.

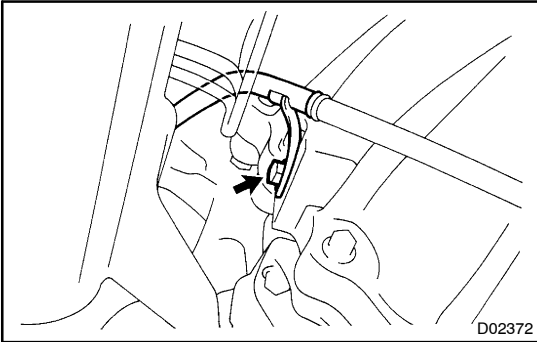


### (d) Remove the 2 bolts, 3 gaskets and front exhaust pipe.

**Torque: 24 N·m (240 kgf·cm, 17 ft·lbf)**

### HINT:

At the time of installation, please refer to the following item.  
Replace the used gaskets with new ones.

**13. REMOVE ATF FILLER PIPE**

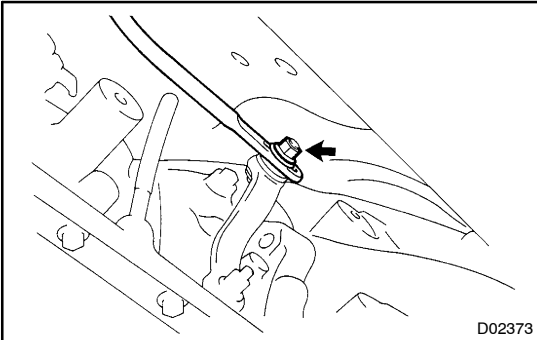
- (a) Remove the bolt and ATF filler pipe.

**Torque: 11.5 N·m (120 kgf·cm, 8 ft·lbf)**

- (b) Remove the O-ring from the ATF filler pipe.

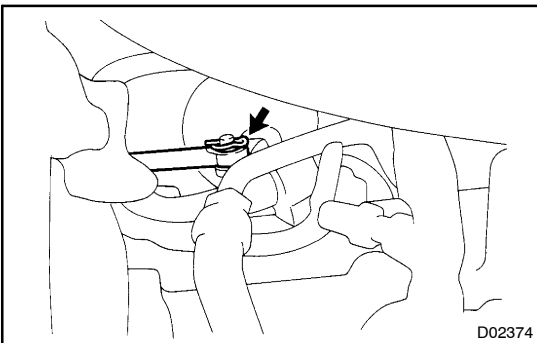
**HINT:**

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

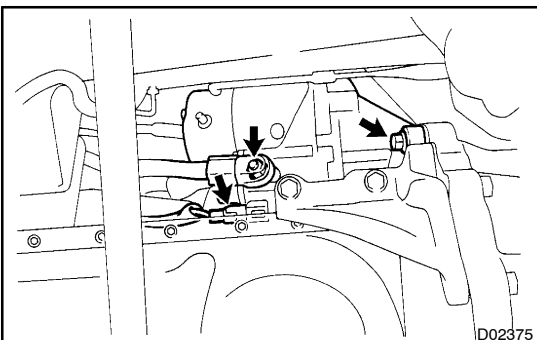
**14. DISCONNECT TRANSMISSION SHIFT LEVER LINK**

Remove the nut and disconnect the transmission shift lever link.

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

**15. DISCONNECT TRANSFER SHIFT LEVER LINK**

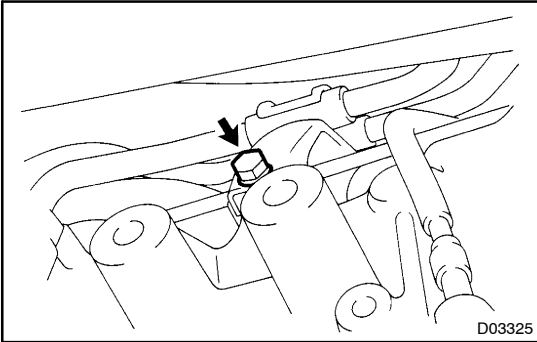
Remove the clip, washer and collar, and disconnect the transfer shift lever link.

**16. DISCONNECT NO.1 SPEED SENSOR, TRANSFER NEUTRAL POSITION SWITCH, TRANSFER L4 POSITION SWITCH, TRANSFER 4WD POSITION SWITCH, CENTER DIFFERENTIAL LOCK SWITCH, ACTUATOR CONNECTORS FROM TRANSFER****17. DISCONNECT NO.2 SPEED SENSOR, SOLENOID, NEUTRAL START SWITCH, ATF TEMPERATURE SWITCH CONNECTORS FROM TRANSMISSION****18. REMOVE STARTER**

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

- (b) Remove the bolt and starter.

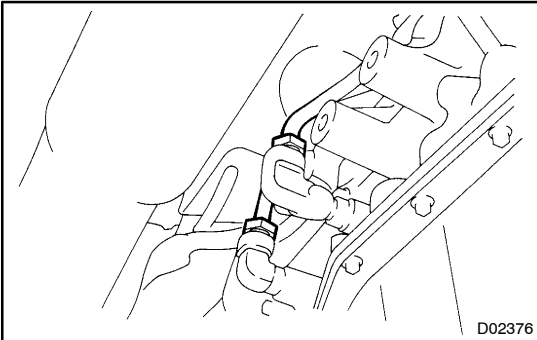
**Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)**



**19. DISCONNECT OIL COOLER PIPE**

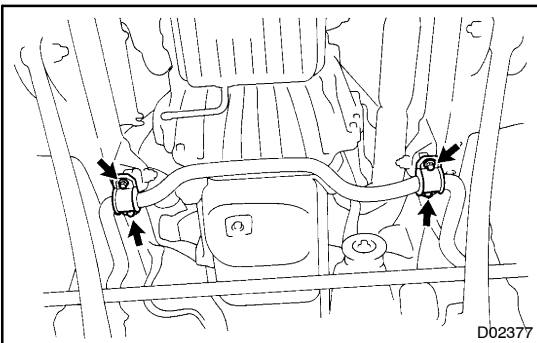
- (a) Remove the bolt.

**Torque: 11.5 N·m (120 kgf·cm, 8 ft·lbf)**



- (b) Disconnect the 2 oil cooler pipes.

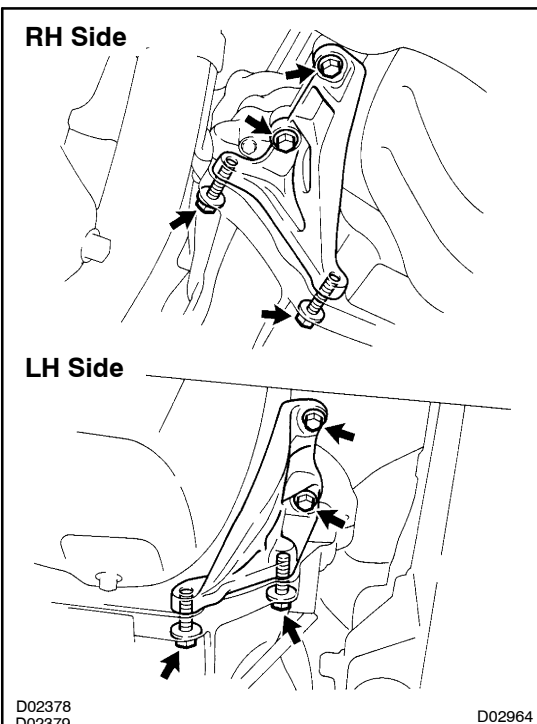
**Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)**



**20. RFS Only:**

**REMOVE 4 STABILIZER MOUNTING BOLTS**

**Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**

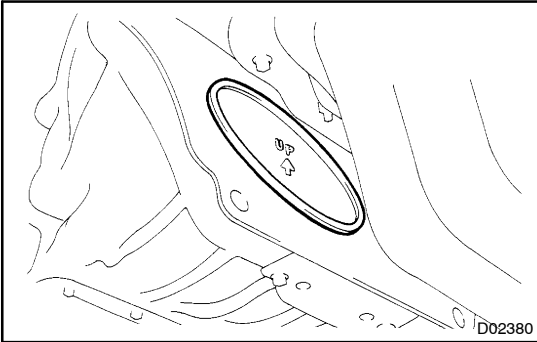
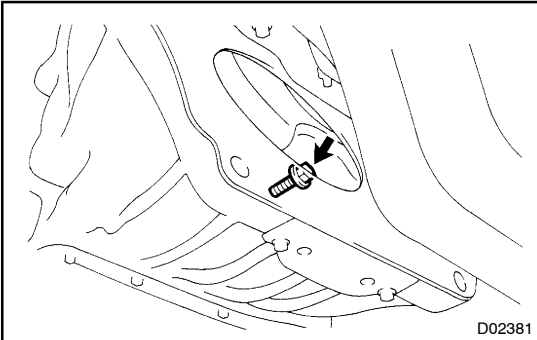


**21. REMOVE LH AND RH STIFFENER PLATE**

Remove the 8 bolts and LH and RH stiffener plates.

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

**22. REMOVE CYLINDER BLOCK INSULATOR**

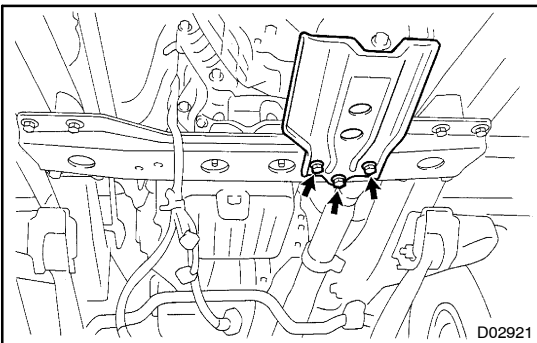
**23. REMOVE HOLE PLUG****24. REMOVE TORQUE CONVERTER MOUNTING BOLT**

Turn the crankshaft to gain access and remove the 6 bolts with holding the crankshaft pulley set bolt by a wrench.

**Torque: 54 N·m (550 kgf·cm, 40 ft·lbf)**

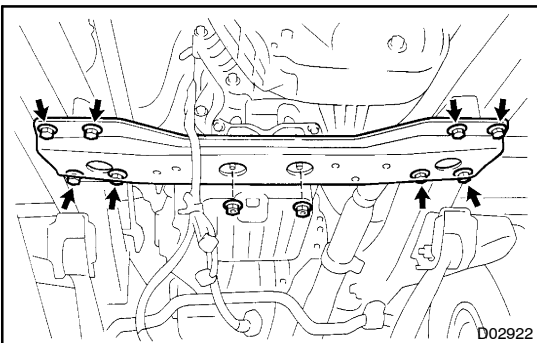
**HINT:**

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

**25. REMOVE TRANSFER CASE PROTECTOR**

Remove the 3 bolts and transfer case protector.

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

**26. REMOVE CROSSMEMBER**

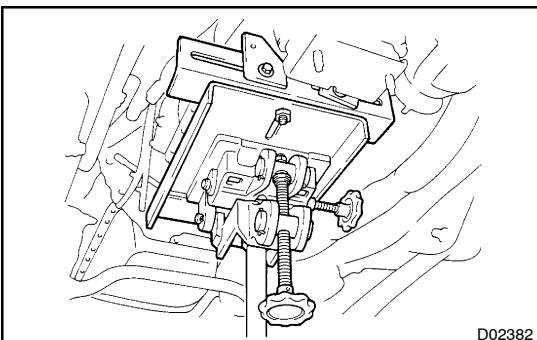
(a) Support the transmission rear side with a support stand.

(b) Remove the 2 nuts.

**Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)**

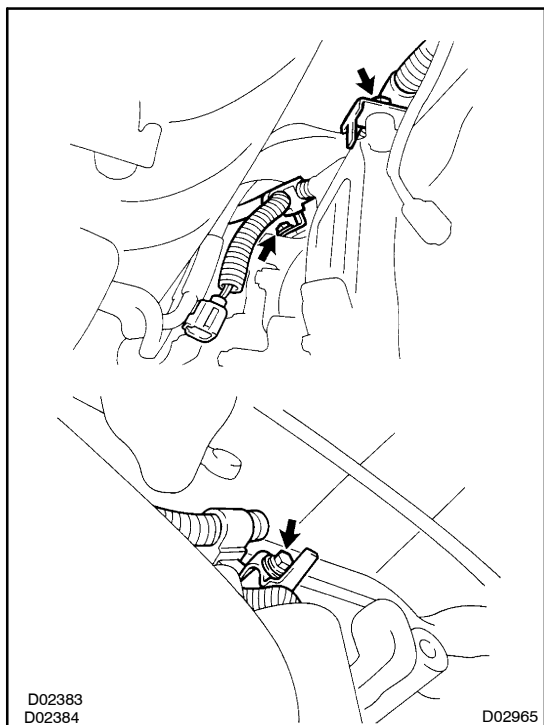
(c) Remove the 8 bolts and crossmember.

**Torque: 50 N·m (510 kgf·cm, 37 ft·lbf)**



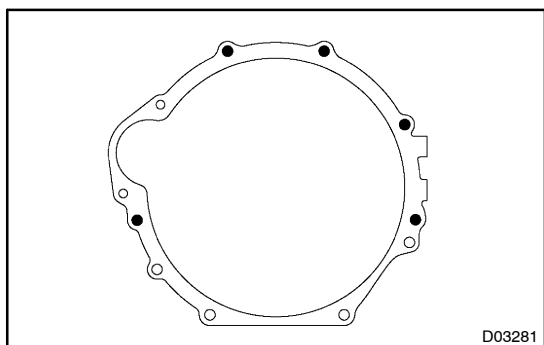
(d) Support the transmission with a jack.

(e) Remove the support stand from the transmission rear side.



## 27. REMOVE TRANSMISSION

- (a) Lower the transmission.
- (b) Remove the 3 bolts and separate the wire harness.
- (c) Remove the 2 bolts and oil cooler pipe clamps.



- (d) Remove the 5 bolts and transmission.  
**Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)**