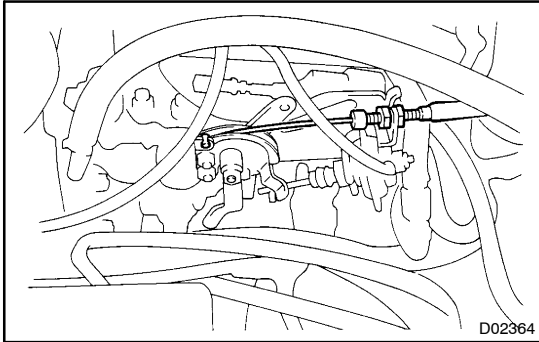
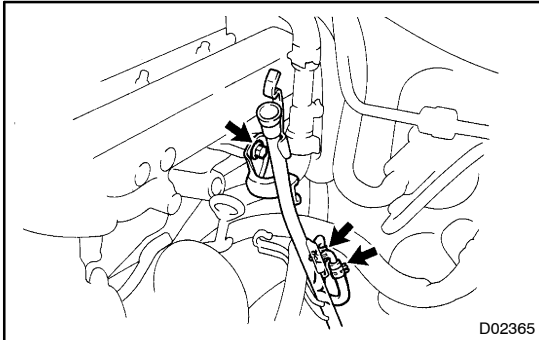


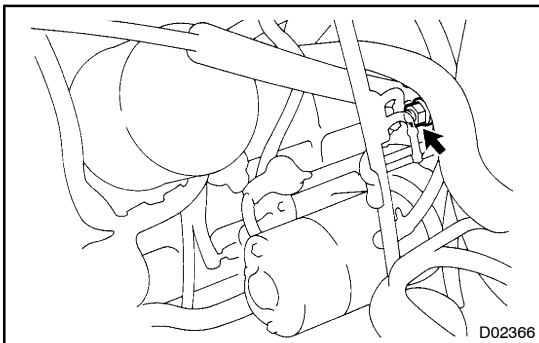


REMOVAL

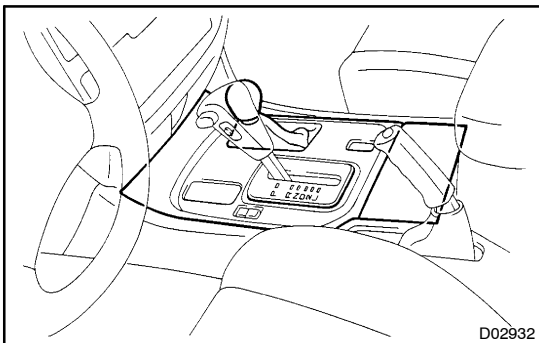
1. **1HZ, 1HD-T Only:**
DISCONNECT THROTTLE CABLE
Torque: 14.7 N·m (150 kgf·cm, 11 ft·lbf)
2. **REMOVE ATF LEVEL GAUGE**



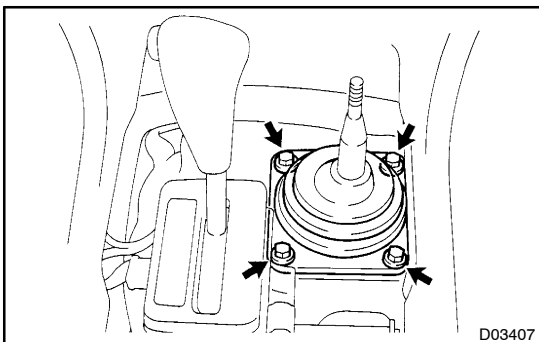
3. **REMOVE ATF FILLER PIPE UPPER SIDE MOUNTING BOLT**
Torque: 11.5 N·m (120 kgf·cm, 8 ft·lbf)
4. **DISCONNECT BREATHER HOSE**
Loosen the 2 clips and disconnect the 2 breather hoses.



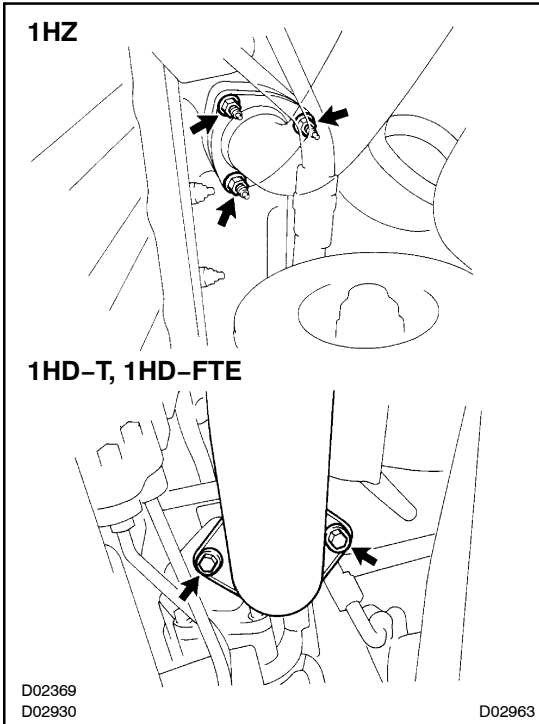
5. **REMOVE STARTER UPPER SIDE MOUNTING NUT**
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



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)

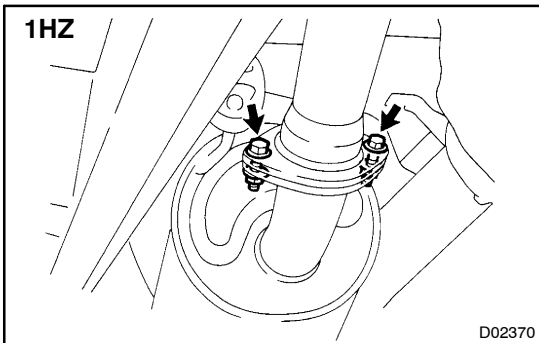
HINT:

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)

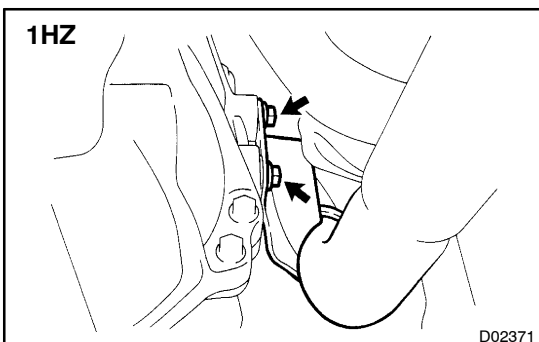
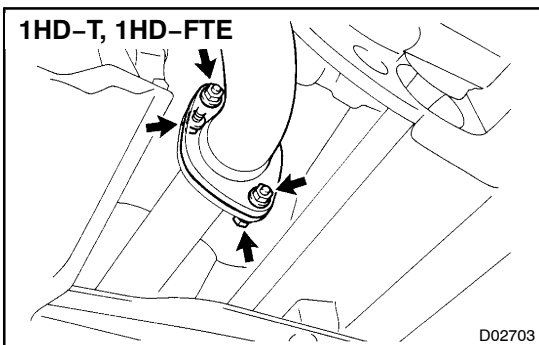


(c) Remove the 2 bolts and nuts.

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.

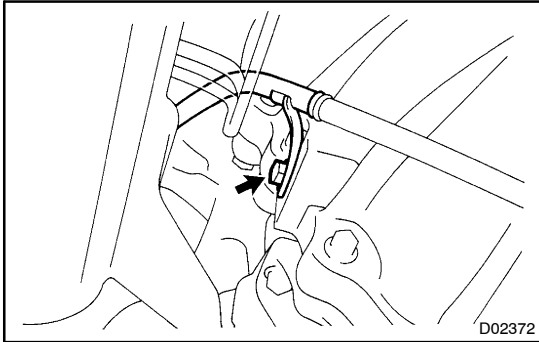


(d) Remove the 2 bolts, 3 gaskets and front exhaust pipe.

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**

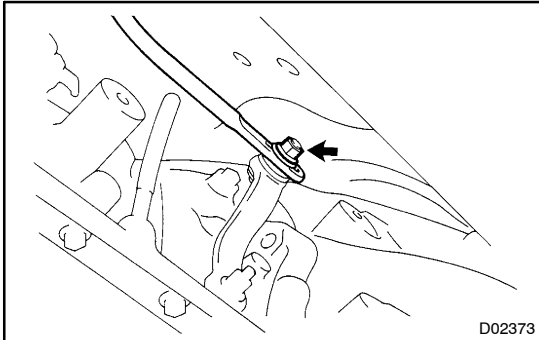
- (a) Remove the bolt and ATF filler pipe.

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

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

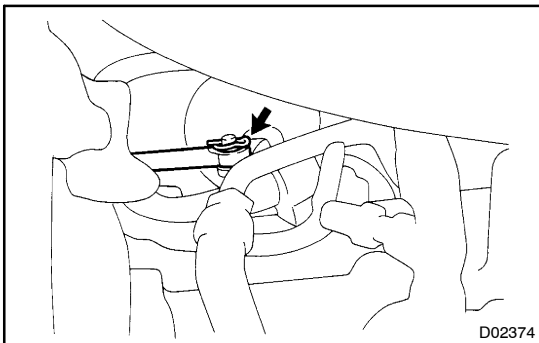
HINT:

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

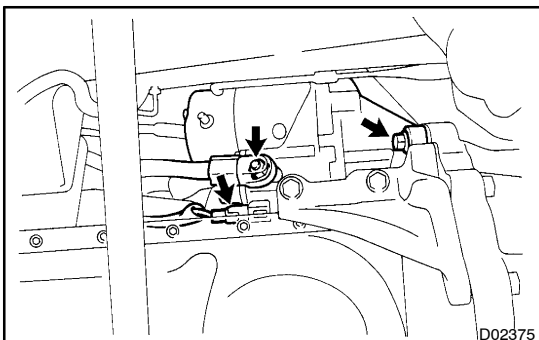
**14. DISCONNECT TRANSMISSION SHIFT LEVER LINK**

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**

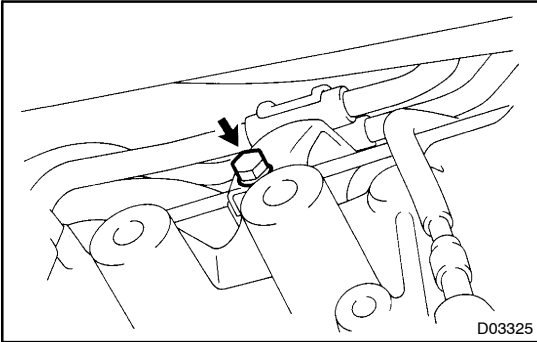
Remove the clip, washer and collar, and disconnect the transfer shift lever link.

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.

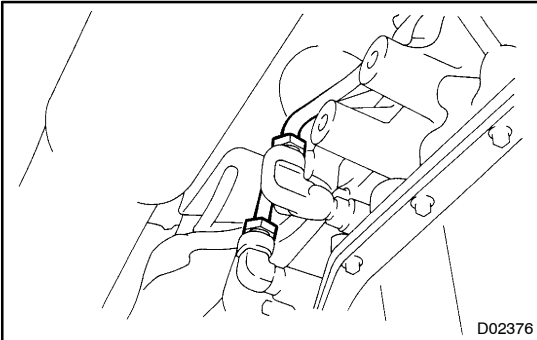
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



19. DISCONNECT OIL COOLER PIPE

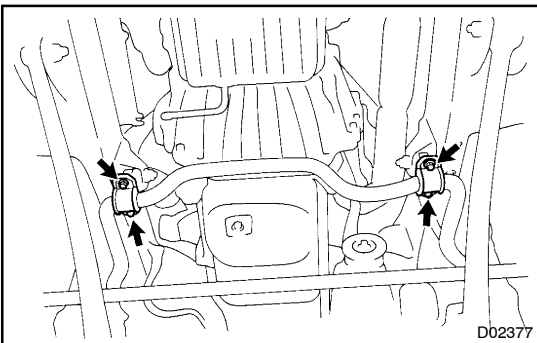
- (a) Remove the bolt.

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



- (b) Disconnect the 2 oil cooler pipes.

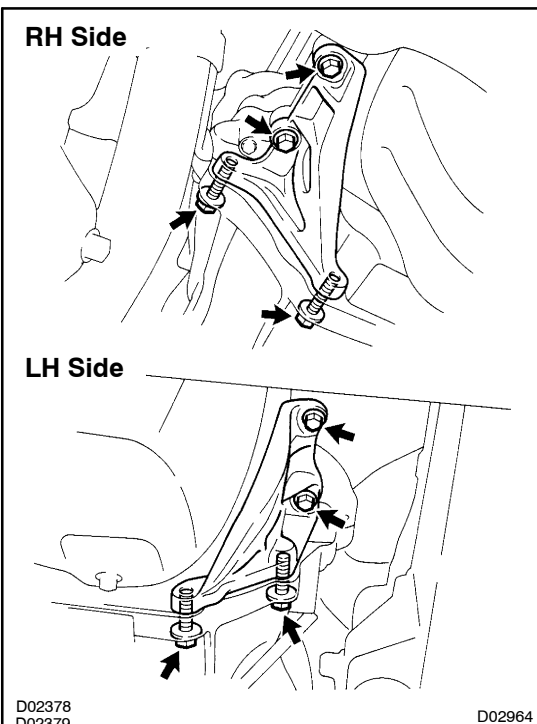
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)



20. RFS Only:

REMOVE 4 STABILIZER MOUNTING BOLTS

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

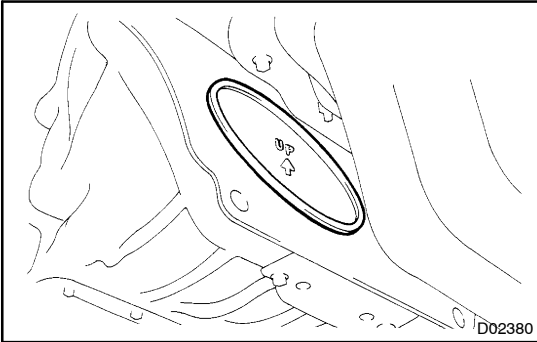
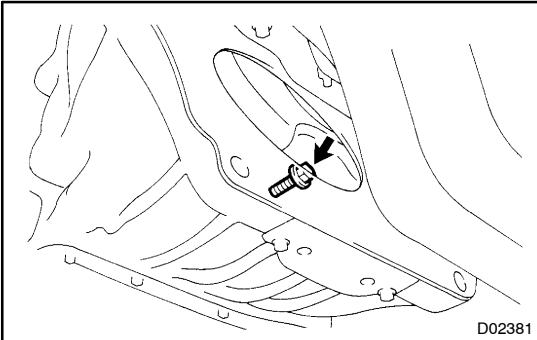


21. REMOVE LH AND RH STIFFENER PLATE

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

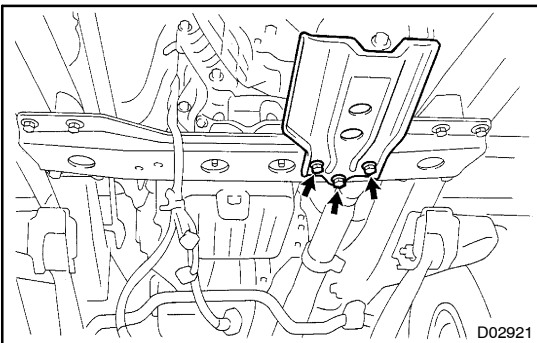
**23. REMOVE HOLE PLUG****24. REMOVE TORQUE CONVERTER MOUNTING BOLT**

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)

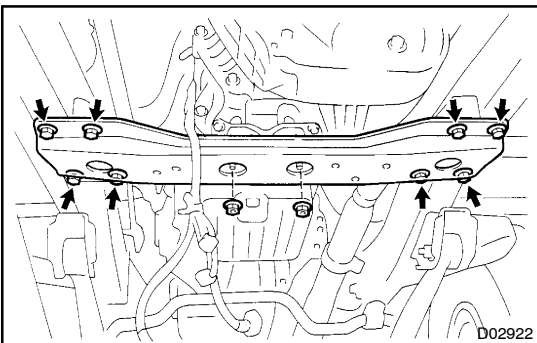
HINT:

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**

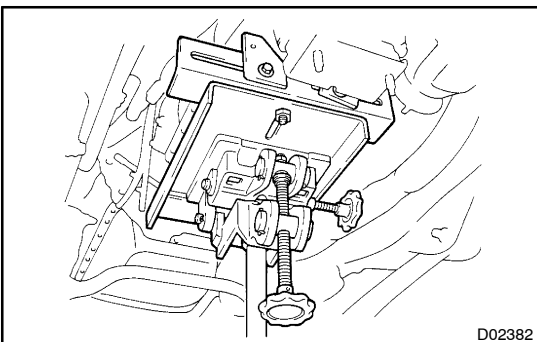
(a) Support the transmission rear side with a support stand.

(b) Remove the 2 nuts.

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

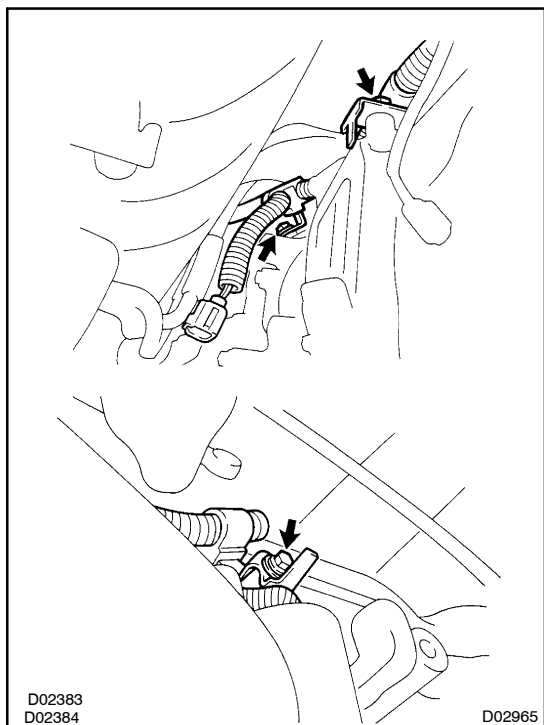
(c) Remove the 8 bolts and crossmember.

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



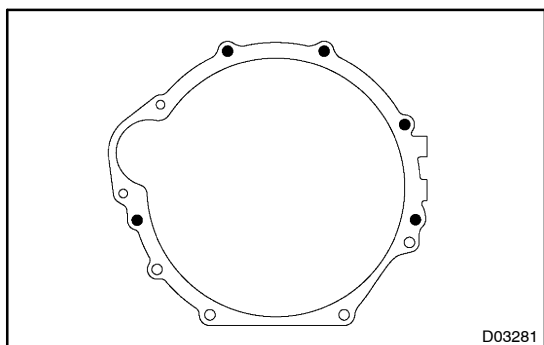
(d) Support the transmission with a jack.

(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)