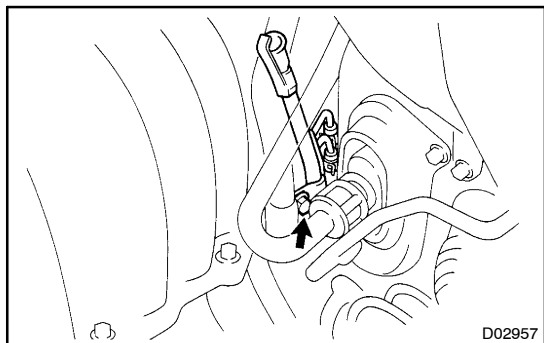


REMOVAL

1. DISCONNECT THROTTLE CABLE

- (a) Loosen the adjusting nut and disconnect the cable housing from the bracket.
- (b) Disconnect the cable from the linkage.

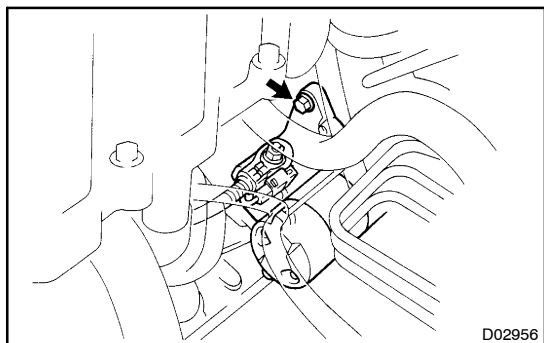
2. REMOVE ATF LEVEL GAUGE



3. REMOVE OIL FILLER PIPE UPPER MOUNTING BOLT

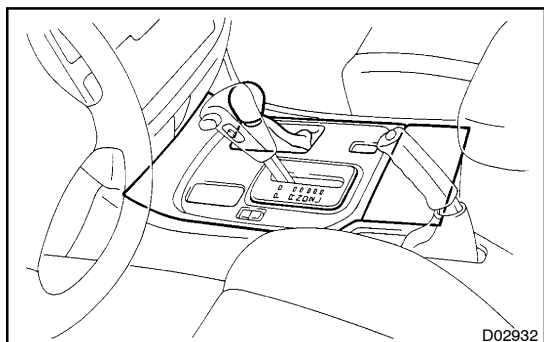
- (a) Loosen the 2 clamps and disconnect the 2 bleeder hoses.
- (b) Remove the oil filler pipe upper mounting bolt.

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



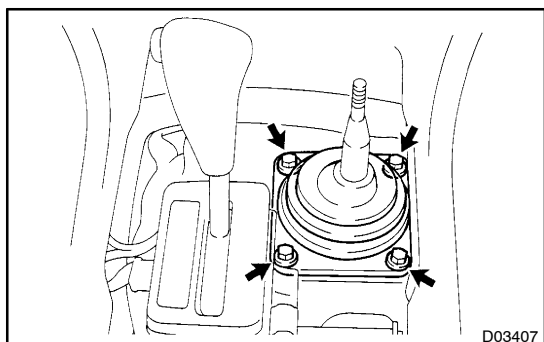
4. REMOVE STARTER UPPER MOUNTING BOLT AND DISCONNECT TERMINAL AND CONNECTOR

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



5. REMOVE UPPER CONSOLE PANEL

- (a) Remove the transfer shift lever knob.
- (b) Remove the upper console panel and disconnect the connectors.



6. REMOVE TRANSFER SHIFT LEVER BOOT

Remove the 4 bolts and transfer shift lever boot.

7. IFS Only:

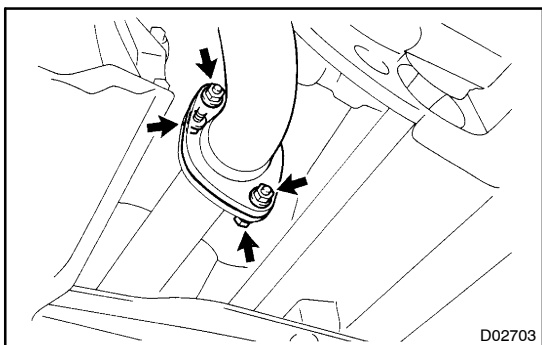
REMOVE NO.1 AND NO.2 ENGINE UNDER COVERS

8. RFS Only:

REMOVE NO.1 ENGINE UNDER COVER

9. REMOVE FRONT AND REAR PROPELLER SHAFTS

(See page PR-4)

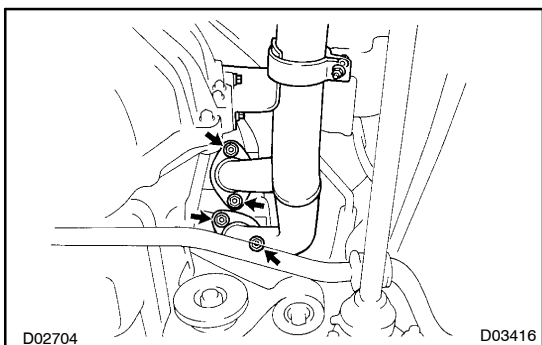
**10. REMOVE FRONT EXHAUST PIPE**

- (a) Remove the 2 bolts and nuts.

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

HINT:

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

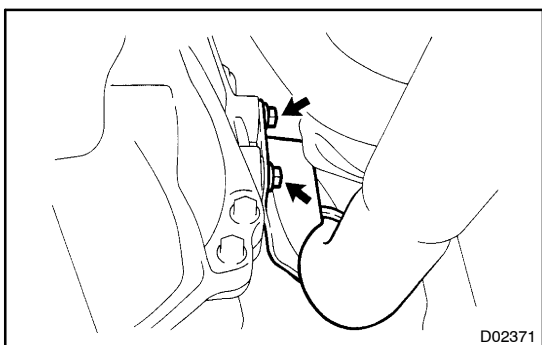


- (b) Remove the 4 nuts.

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

HINT:

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



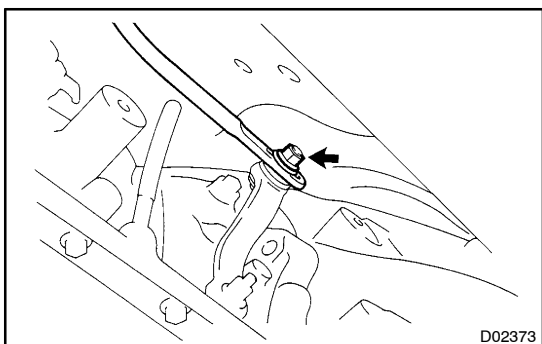
- (c) Remove the 2 bolts and front exhaust pipe and 3 gaskets.

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

HINT:

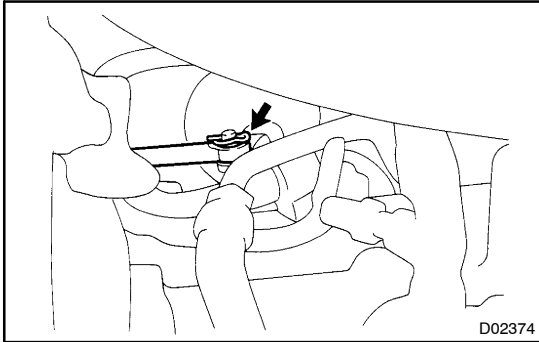
After time of installation, please refer to the following item.
Replace the used gaskets with new ones.

- 11. DISCONNECT NO.1 SPEED SENSOR, TRANSFER NEUTRAL POSITION SWITCH, TRANSFER L4 POSITION SWITCH, TRANSFER 4WD POSITION SWITCH, ACTUATOR CONNECTORS FROM TRANSFER**
- 12. DISCONNECT NO.2 SPEED SENSOR, NEUTRAL START SWITCH, ATF TEMPERATURE SWITCH, SOLENOID CONNECTORS FROM TRANSMISSION**

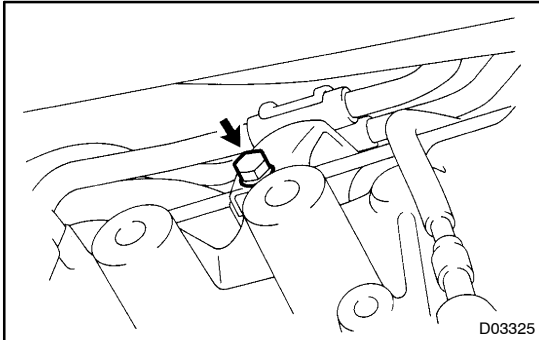
**13. DISCONNECT TRANSMISSION SHIFT LEVER LINK**

Remove the nut and washer, disconnect the transmission shift lever link.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

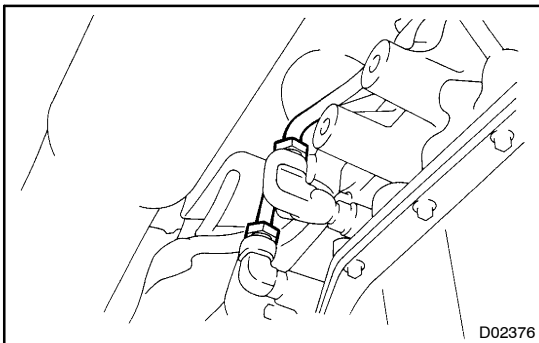
**14. DISCONNECT TRANSFER SHIFT LEVER LINK**

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

**15. DISCONNECT OIL COOLER PIPE**

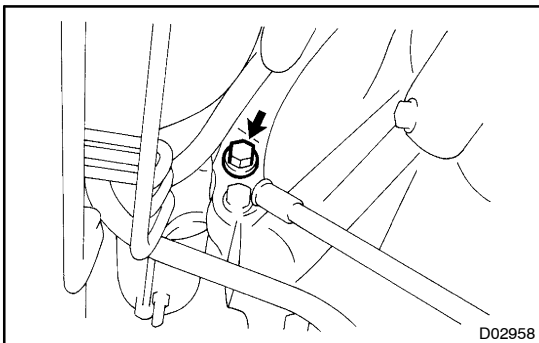
(a) Remove the oil cooler pipe mounting bolt.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)



(b) Loosen the 2 union nuts and disconnect the 2 oil cooler pipes.

Torque: 68 N·m (700 kgf·cm, 51 ft·lbf)

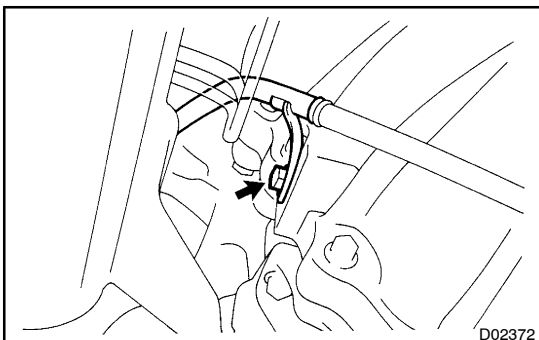
**16. REMOVE STARTER**

Remove the bolt and starter.

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

HINT:

Suspend the starter securely (RFS only).

**17. REMOVE OIL FILLER PIPE**

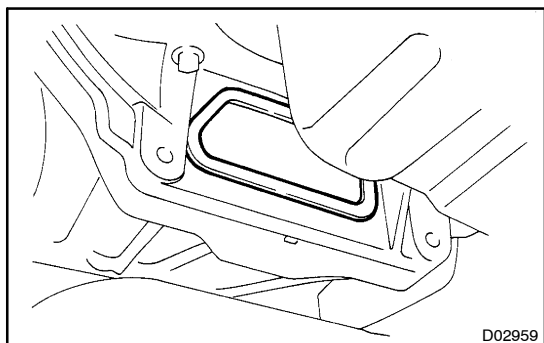
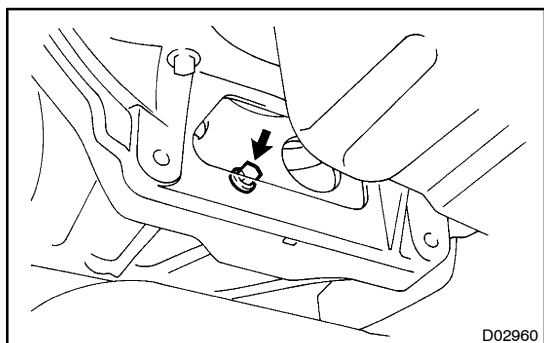
(a) Remove the bolt and oil filler pipe.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

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

HINT:

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

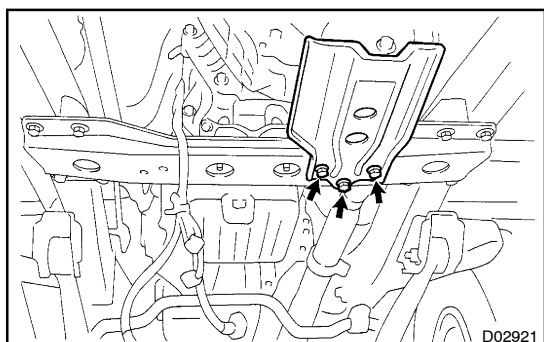
**18. REMOVE HOLE PLUG****19. REMOVE TORQUE CONVERTER MOUNTING BOLT**

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)

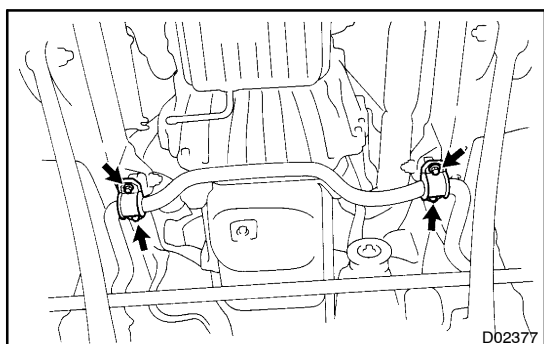
HINT:

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

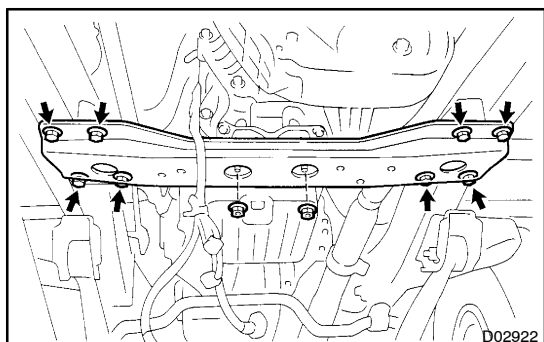
**20. REMOVE TRANSFER CASE PROTECTOR**

Remove the 3 bolts and transfer case protector.

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

**21. RFS Only:****REMOVE 4 STABILIZER MOUNTING BOLTS**

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

**22. REMOVE CROSSMEMBER**

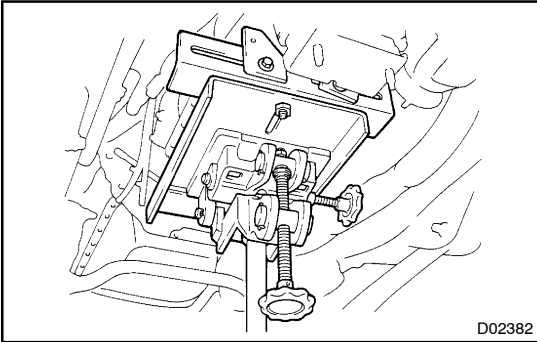
(a) Support the transmission rear side with a support stand.

(b) Remove the 2 nuts.

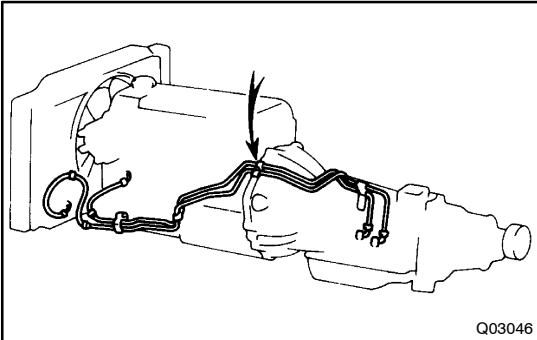
Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)

(c) Remove the 8 bolts and crossmember.

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



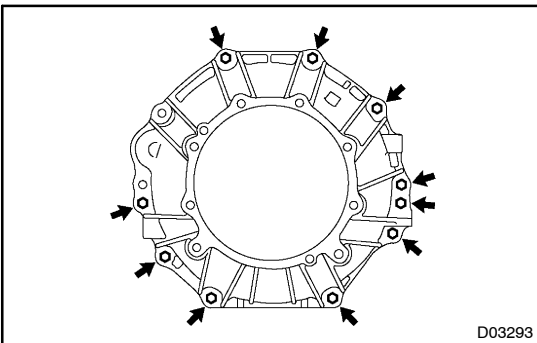
- (d) Support the transmission with a jack.
- (e) Remove the support stand from the transmission rear side.



23. REMOVE TRANSMISSION

- (a) Lower the transmission.
- (b) Separate the wire harness from the clamps of the transmission and transfer.
- (c) Remove the bolt and oil cooler pipe clamp.

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



- (d) Remove the 10 bolts and transmission.
- Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)**