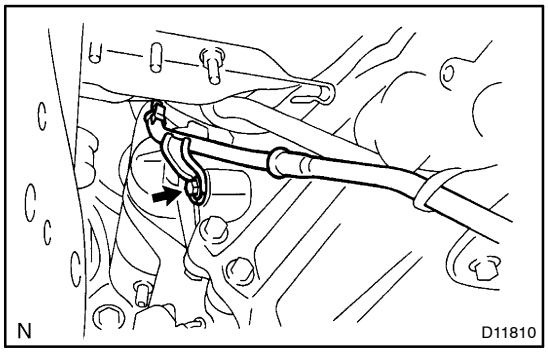
AT10E–01

REMOVAL

1. JACK UP VEHICLE

2. REMOVE DRAIN PLUG AND DRAIN ATF

3. REMOVE ENGINE UNDER COVER



4. REMOVE OIL FILLER PIPE

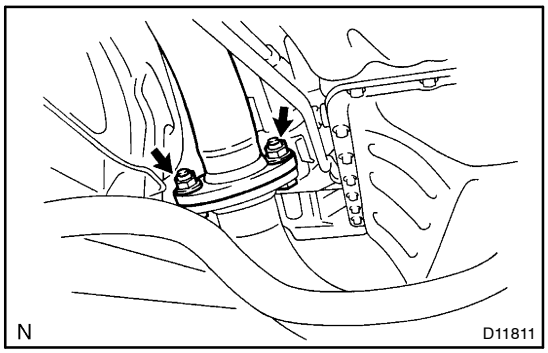
(a) Remove the ATF level gauge.

(b) Remove the bolt and oil filler pipe with the O–ring.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

HINT:

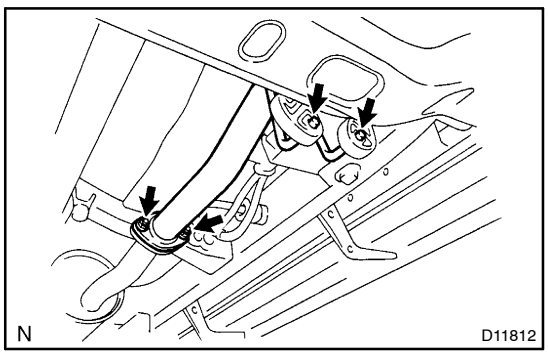
At the time of installation, please refer to the following item.

Replace used O–ring with a new one.



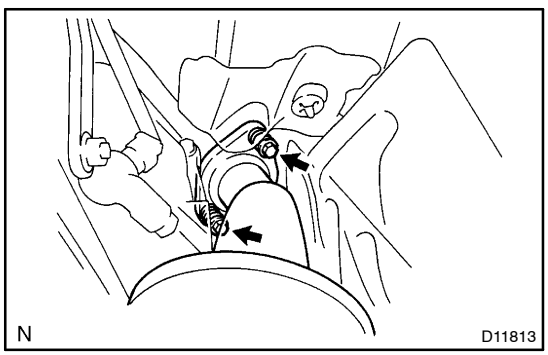
5. REMOVE CENTER EXHAUST PIPE

(a) Remove the 2 nuts and gasket from the center exhaust pipe.
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)



(b) Remove the 2 bolts, nuts and gasket.
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)

(c) Disconnect the center exhaust pipe from the O–ring and remove it.

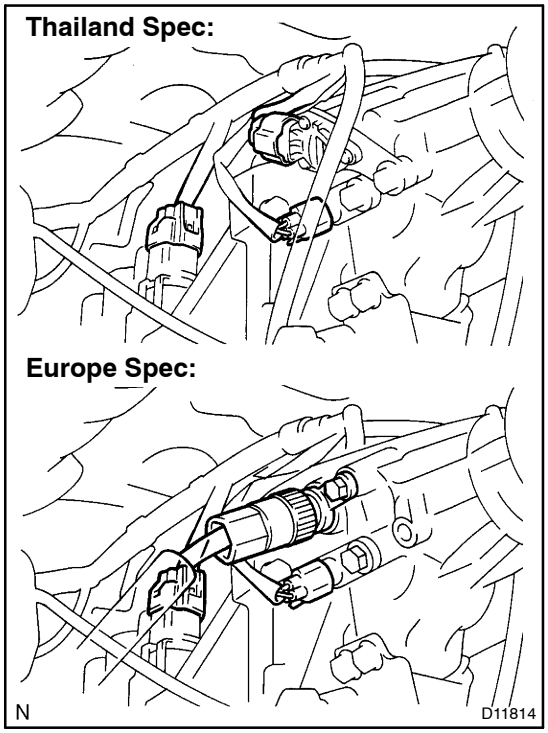


6. REMOVE FRONT EXHAUST PIPE

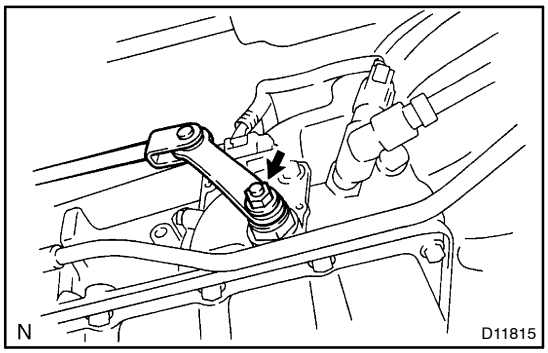
(a) Remove the 2 bolts, springs and front exhaust pipe.
Torque: 43 N·m (438 kgf·cm, 32 ft·lbf)

(b) Remove the gasket from the exhaust manifold.

7. REMOVE PROPELLER SHAFT (See Pub. No. RM585E on page PR–2)



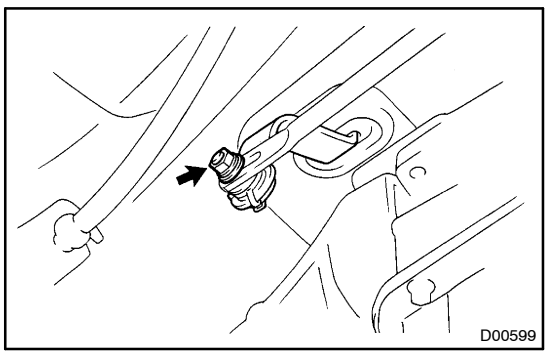
8. **DISCONNECT NO. 1 VEHICLE SPEED SENSOR CONNECTOR**
9. **Thailand Spec:**
   DISCONNECT NO. 2 VEHICLE SPEED SENSOR CONNECTOR
10. **DISCONNECT SOLENOID CONNECTOR**
11. **Europe Spec:**
    DISCONNECT SPEEDOMETER CABLE



12. **DISCONNECT CONTROL SHAFT LEVER**

Remove the nut and disconnect the control shaft lever.

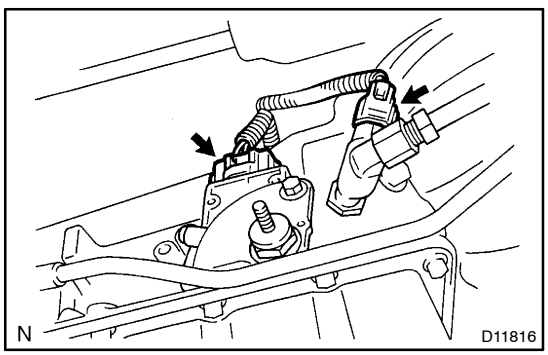
Torque: 15.7 N·m (160 kgf·cm, 12 ft·lbf)



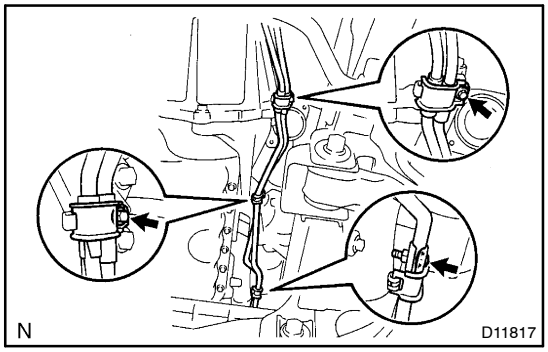
13. **REMOVE SHIFT CONTROL ROD**

Remove the nut and shift control rod with control shaft lever.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

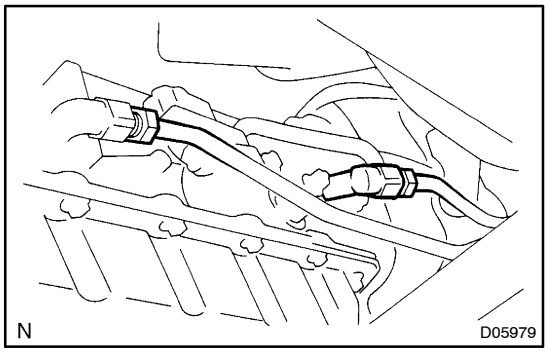


14. **DISCONNECT ATF TEMPERATURE SENSOR CONNECTOR**
15. **DISCONNECT NEUTRAL START SWITCH CONNECTOR**

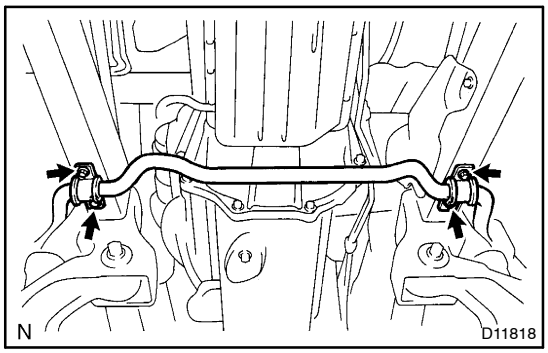


16. DISCONNECT OIL COOLER PIPE

(a) Remove the 3 bolts and separate the oil cooler pipe from the 3 clamps.
Torque: 5.0 N·m (51 kgf·cm, 44 in.·lbf)



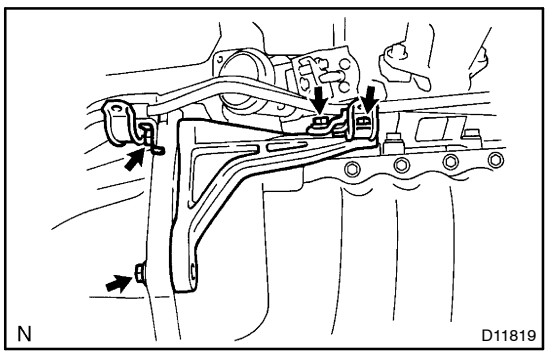
(b) Disconnect the 2 oil cooler pipes.
Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)



17. DISCONNECT STABILIZER BAR

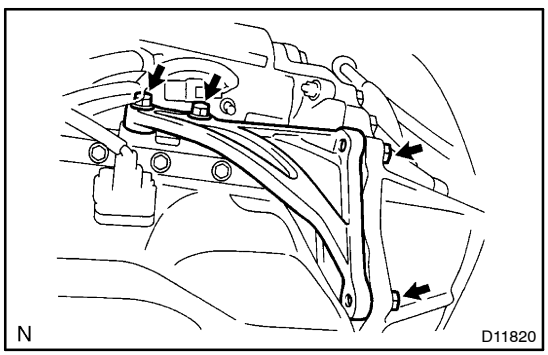
(a) Remove the 4 set bolts of the stabilizer bar bracket.
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(b) Disconnect the stabilizer bar.



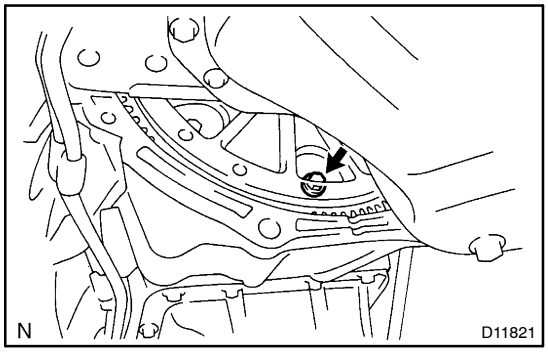
18. REMOVE RH STIFFENER PLATE

Remove the 4 bolts, 2 clamps and RH stiffener plate.
Torque: 71.5 N·m (729 kgf·cm, 53 ft·lbf)



19. REMOVE LH STIFFENER PLATE

Remove the 4 bolts, LH stiffener plate, insulator and rear end plate No. 2.
Torque: 71.5 N·m (729 kgf·cm, 53 ft·lbf)



20. REMOVE TORQUE CONVERTER MOUNTING BOLT

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

Torque: 41 N·m (420 kgf·cm, 30 ft·lbf)

HINT:

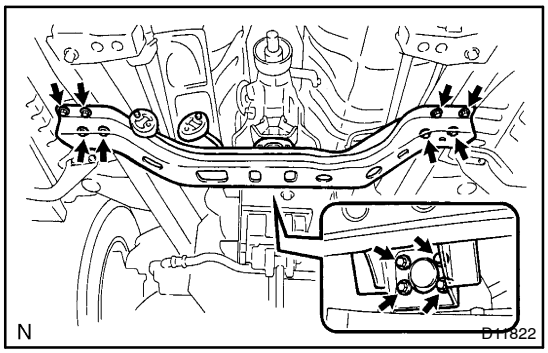
At the time of installation, please refer to the following item.

First install the green colored bolt and then 5 other bolts.

21. JACK UP TRANSMISSION SLIGHTLY

Securely support the transmission on a transmission jack.

Lift the transmission slightly form the crossmember.



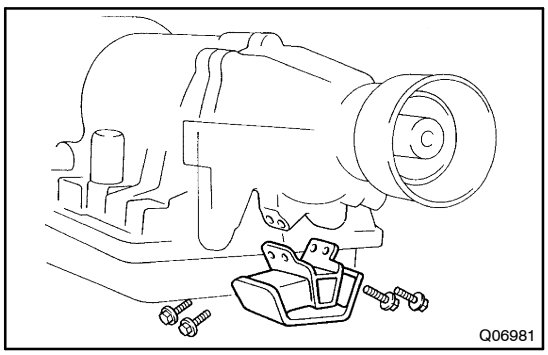
22. REMOVE NO. 2 FRAME CROSSMEMBER

(a) Remove the 4 set bolts of engine rear mounting.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

(b) Remove the 8 bolts and crossmember.

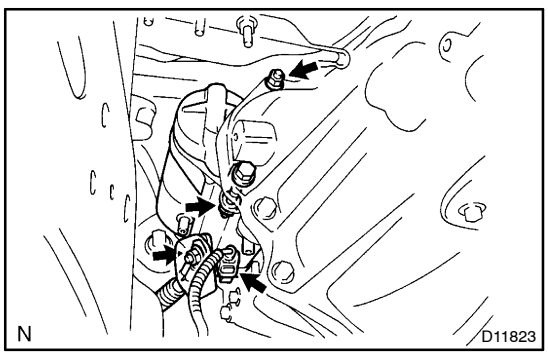
Torque: 95 N·m (970 kgf·cm, 70 ft·lbf)



23. REMOVE ENGINE REAR MOUNTING

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

Torque: 40 N·m (410 kgf·cm, 30 ft·lbf)



24. REMOVE STARTER

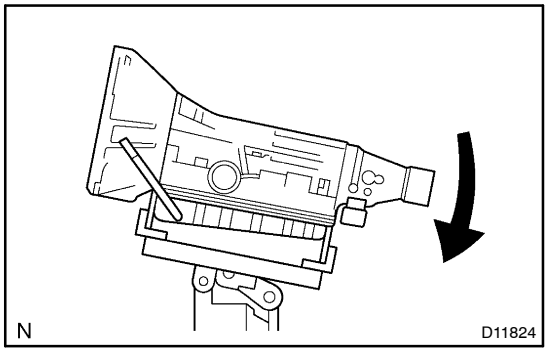
(a) Disconnect the starter connector.

(b) Remove the nut and disconnect the starter wire.

Torque: 10 N·m (102 kgf·cm, 7 ft·lbf)

(c) Remove the bolt, 2 nuts and starter.

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

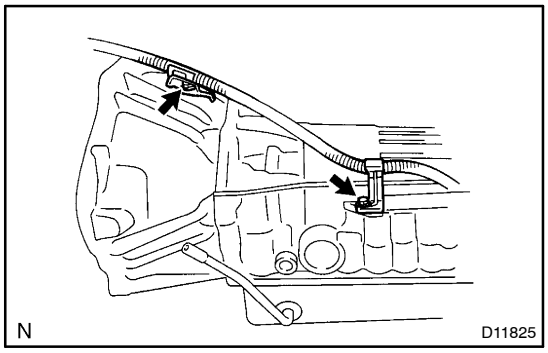


25. SEPARATE WIRE HARNESS

(a) Tilt down the transmission.

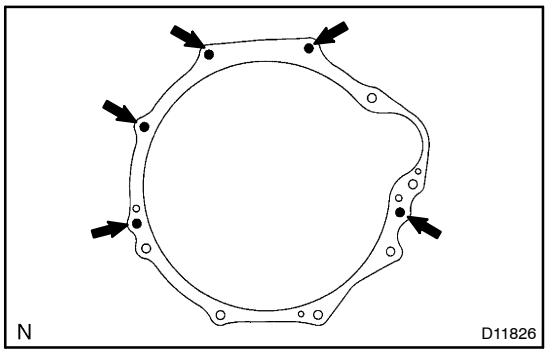
NOTICE:

Take care so that the cooling fan does not come in contact with the fan shroud.



(b) Remove the 2 bolts and separate the wire harness from the transmission.

Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)



26. REMOVE AUTOMATIC TRANSMISSION ASSY

(a) Remove the 5 bolts.

Torque: 71.5 N·m (729 kgf·cm, 53 ft·lbf)

(b) Separate and remove the automatic transmission.