

REMOVAL

1. REMOVE LEVEL GAUGE

2. REMOVE FILLER PIPE

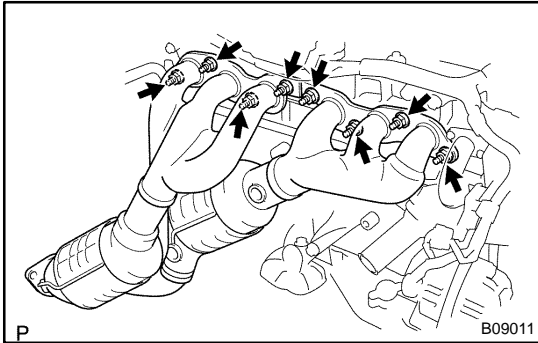
Remove the bolt and filler pipe with the O-ring.

HINT:

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

Replace the used O-ring with a new one.

3. REMOVE AIR CLEANER, MAF METER AND INTAKE AIR CONNECTOR PIPE ASSEMBLY



4. REMOVE EXHAUST MANIFOLD WITH TWC

(a) Disconnect the 3 connectors.

(b) Remove the 8 nuts, 2 gaskets and exhaust manifold with the TWC.

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

HINT:

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

Replace the used gaskets with new ones.

5. RAISE VEHICLE

NOTICE:

Make sure that the vehicle is securely supported.

6. REMOVE NO. 1 AND NO. 2 ENGINE UNDER COVERS

7. REMOVE LH FRONT FLOOR CENTER COVER

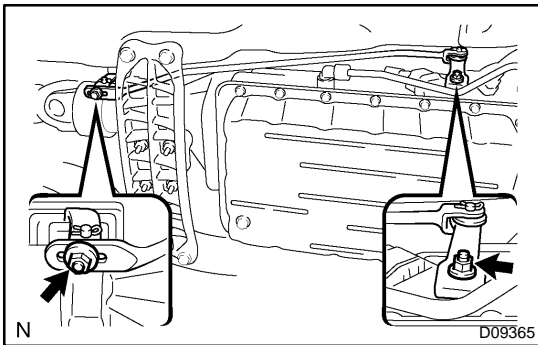
8. REMOVE NO. 1 REAR FLOOR BOARD

9. DRAIN ENGINE COOLANT

10. REMOVE UPPER RADIATOR HOSE FROM RADIATOR

11. REMOVE FRONT AND CENTER EXHAUST PIPES

(See page [EM-100](#))



12. REMOVE SHIFT CONTROL ROD

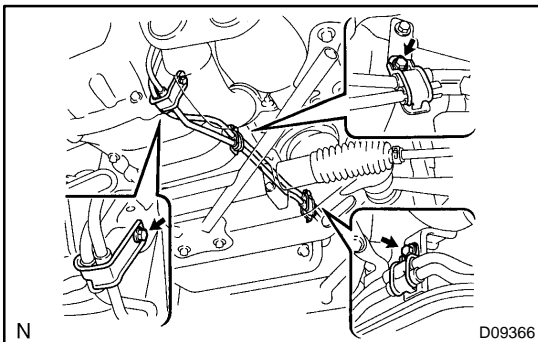
(a) Remove the nut and washer, and disconnect the rod.

Torque: 13 N·m (130 kgf-cm, 9 ft-lbf)

(b) Remove the nut and shift control rod.

Torque: 13 N·m (130 kgf-cm, 9 ft-lbf)

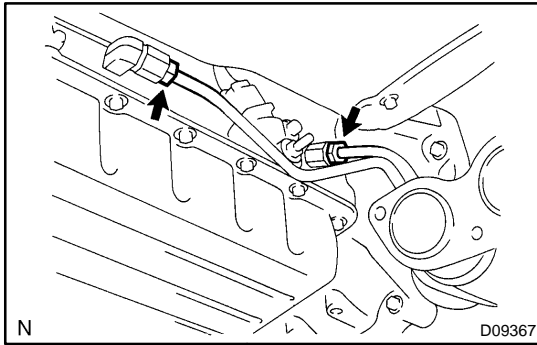
13. REMOVE PROPELLER SHAFT (See page [PR-4](#))



14. DISCONNECT OIL COOLER PIPE

(a) Remove the 3 bolts and 3 clamps.

Torque: 5.4 N·m (55 kgf-cm, 48 in.-lbf)



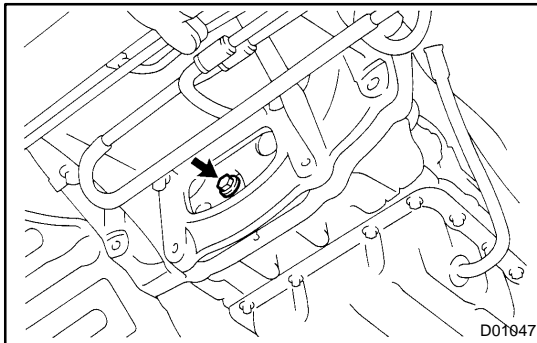
- (b) Loosen the 2 union nuts from the transmission.

Torque: 44 N·m (450 kgf-cm, 33 ft-lbf)

NOTICE:

Be careful not to damage the oil cooler pipe.

- (c) Disconnect the 2 oil cooler pipes from the transmission.



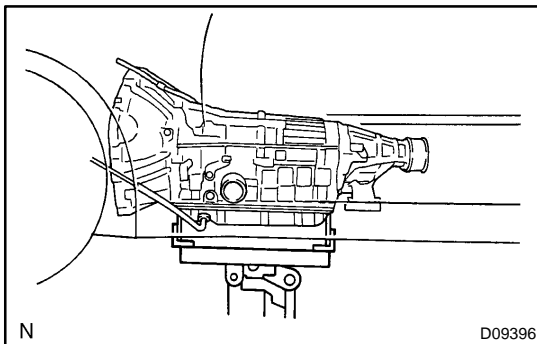
15. REMOVE TORQUE CONVERTER CLUTCH MOUNTING BOLT

- (a) Remove the hole plug.
 (b) Turn the crankshaft to gain access to each bolt.
 (c) Hold the crankshaft pulley nut with a wrench and remove the 6 bolts.

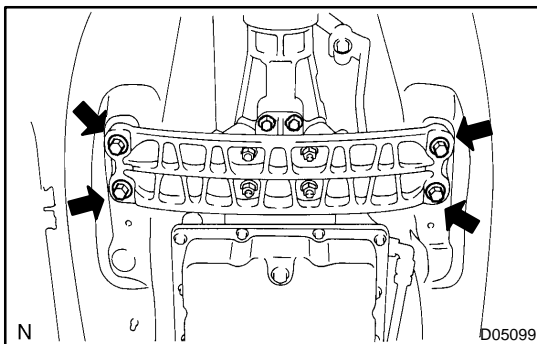
Torque: 48 N·m (490 kgf-cm, 35 ft-lbf)

HINT:

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

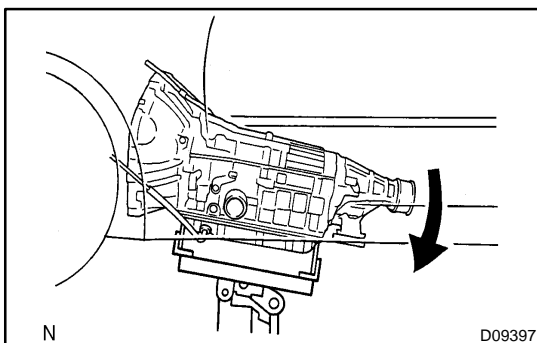


16. SUPPORT TRANSMISSION WITH JACK



17. REMOVE 4 ENGINE REAR SUPPORT MEMBER SET BOLTS

Torque: 25 N·m (260 kgf-cm, 19 ft-lbf)



18. DISCONNECT CONNECTORS AND WIRE HARNESS

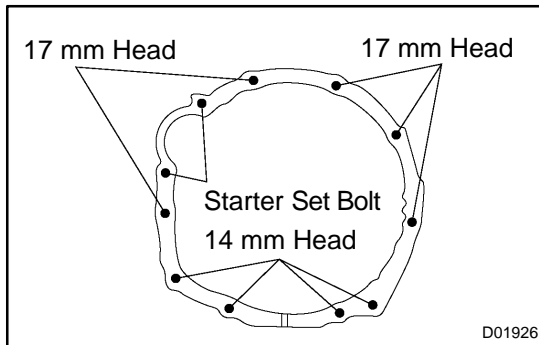
- (a) Tilt down the transmission.

NOTICE:

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

- (b) Disconnect the following connectors:
- (1) O/D direct clutch speed sensor connector
 - (2) Vehicle speed sensor connector
 - (3) Park/neutral position switch connector
 - (4) Solenoid connector

- (c) Disconnect the wire harness from the clamps on the transmission.



19. REMOVE STARTER

- (a) Disconnect the connector and wire from the starter.
(b) Remove the 2 bolts and starter.

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

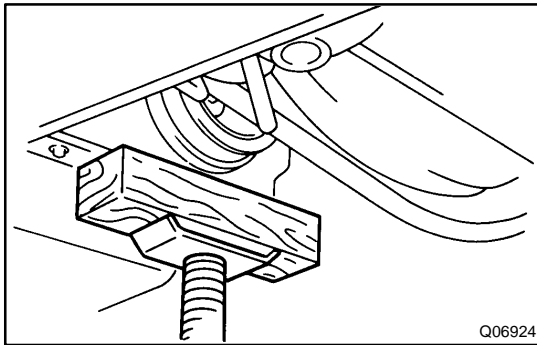
20. REMOVE TRANSMISSION

Remove the 9 bolts, ground cable and transmission.

Torque:

17 mm head: 72 N·m (730 kgf·cm, 53 ft·lbf)

14 mm head: 37 N·m (380 kgf·cm, 27 ft·lbf)



HINT:

At the time of installation, please refer to the following item.
Lift the front side of the engine.