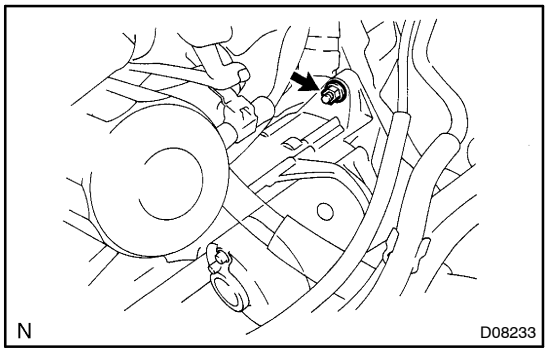
MT0BI–01

REMOVAL

1. REMOVE FAN TO PREVENT IT FROM BEING DAMAGED

Remove the 4 nuts and fan.

Torque: 6.4 N·m (65 kgf·cm, 57 in.·lbf)



2. REMOVE STARTER SET NUT

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

3. REMOVE TRANSMISSION SHIFT LEVER

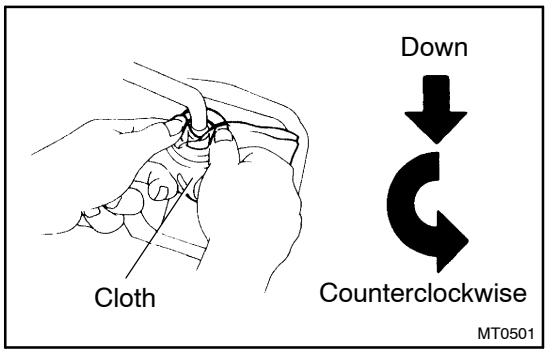
(a) Remove the 4 setting bolts on the front side of the front seat to turn up the asphalt sheet.

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

(b) Remove the transfer shift lever knob.

(c) Remove the 7 bolts and shift lever boot retainer.

Torque: 4.9 N·m (50 kgf·cm, 43 in.·lbf)



(d) Cover the shift lever cap with a cloth.

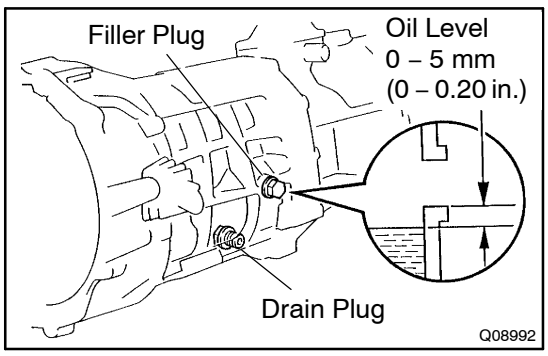
(e) Pressing down on the shift lever cap and rotate it counterclockwise to remove.

(f) Pull out the transmission shift lever.

HINT:

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

Apply MP grease to the tip of the transmission shift lever.



4. RAISE VEHICLE AND DRAIN TRANSMISSION OIL

CAUTION:

Make sure that the vehicle is securely supported.

Oil grade: API GL–4 or GL–5

Viscosity: SAE 75W–90

Capacity: 2.2 liters (2.3 US qts, 1.9 lmp. qts)

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

5. REMOVE FRONT PROPELLER SHAFT

(See Pub. No. RM183E on page PR–3)

6. REMOVE REAR PROPELLER SHAFT

(See Pub. No. RM183E on page PR–3)

7. DISCONNECT BACK–UP LIGHT SWITCH, SPEED SENSOR AND 4WD POSITION SWITCH CONNECTORS

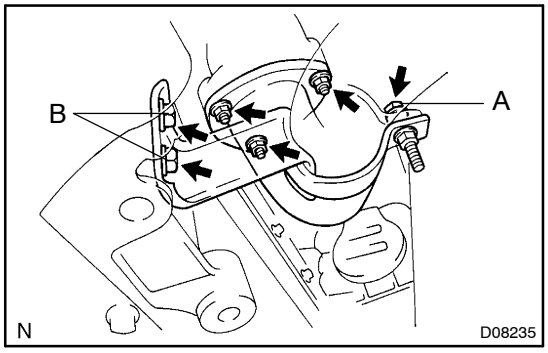
8. Vacuum shift type:

DISCONNECT L4 POSITION SWITCH CONNECTOR

9. DISCONNECT CLUTCH RELEASE CYLINDER

Remove the 2 set bolts of the clutch release cylinder.

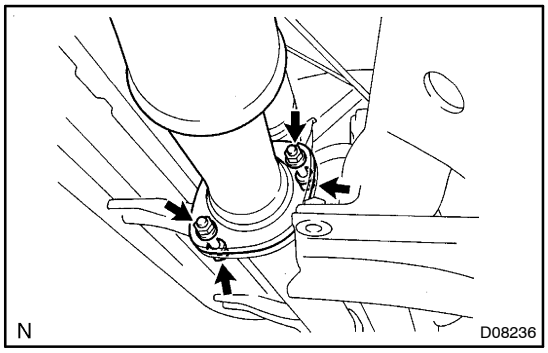
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



10. REMOVE FRONT EXHAUST PIPE

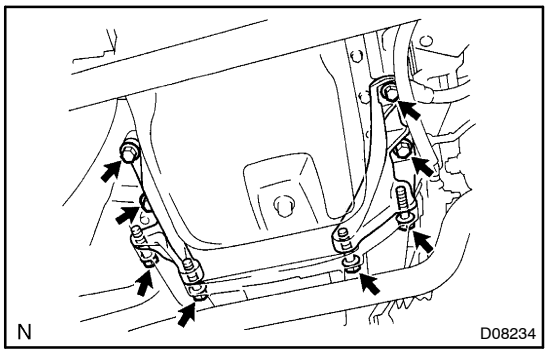
(a) Remove the 3 nuts and gasket from the exhaust manifold.
Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)

(b) Loosen the clamp set bolt, remove the 2 bolts and pipe support bracket.
Torque:
Bolt A: 19 N·m (195 kgf·cm, 14 ft·lbf)
Bolt B: 24 N·m (240 kgf·cm, 17 ft·lbf)



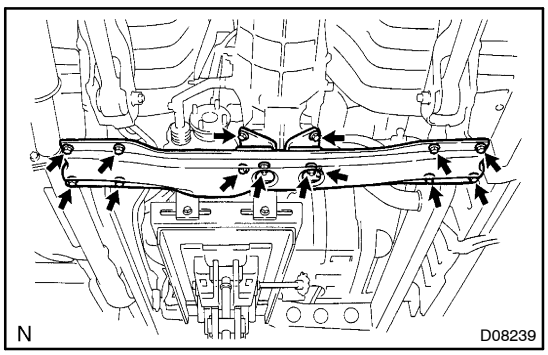
(c) Remove the 2 bolts, nuts and gasket.
Torque: 42 N·m (428 kgf·cm, 31 ft·lbf)

(d) Remove the front exhaust pipe.



11. REMOVE LH AND RH STIFFENER PLATES

Remove the 8 bolts, LH and RH stiffener plates.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)



12. REMOVE CROSSMEMBER AND ENGINE REAR MOUNTING

(a) Using a transmission jack, support the transfer side.

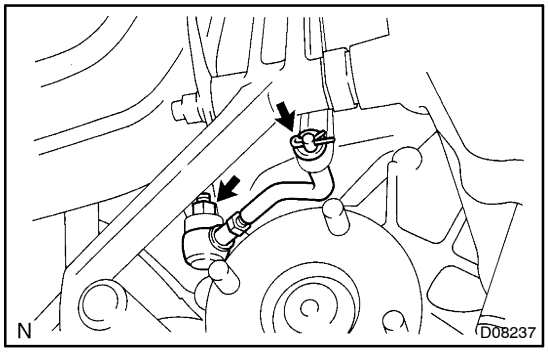
(b) w/ Sub fuel tank:
Remove the 2 bolts and transmission under cover.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

(c) Remove the 2 nuts, 8 bolts and crossmember.
Torque:
Nut: 74 N·m (750 kgf·cm, 54 ft·lbf)
Bolt: 39 N·m (400 kgf·cm, 29 ft·lbf)

(d) Remove the 4 bolts and engine rear mounting.
Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)

(e) Using another transmission jack, support the transmission side.

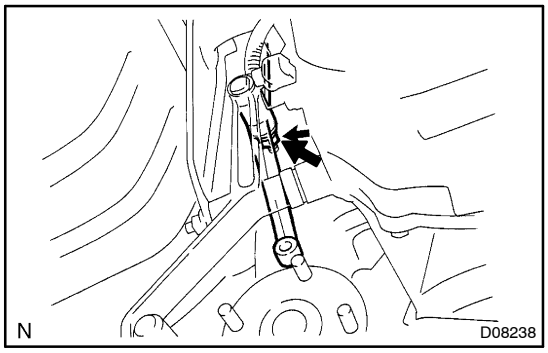
(f) Remove the transmission jack which has supported the transfer side.



13. Direct shift type:
REMOVE TRANSFER SHIFT LEVER

(a) Using needle–nose pliers, remove the cotter pin and 2 washers.

(b) Remove the nut, washer and transfer control link.
Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)



(c) Remove the nut, 3 washers and transfer shift lever.
Torque: 44 N·m (450 kgf·cm, 33 ft·lbf)

14. Vacuum shift type:
DISCONNECT VACUUM HOSE FROM TRANSFER

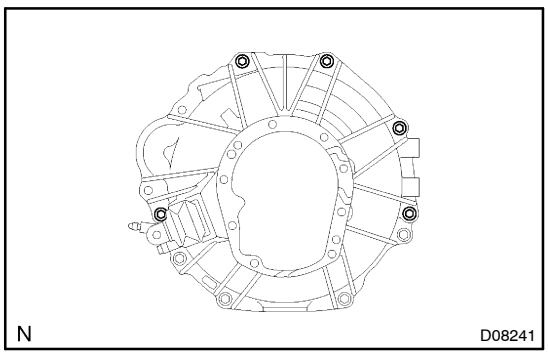


15. REMOVE STARTER

(a) Disconnect the starter connector.

(b) Remove the nut and disconnect the starter wire.
Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

(c) Remove the bolt and starter, and disconnect the ground cable.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)

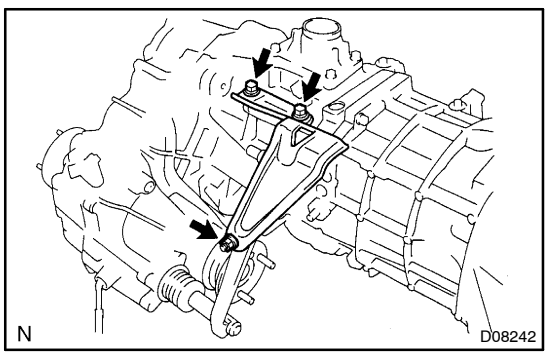


16. REMOVE TRANSMISSION WITH TRANSFER

(a) Disconnect the wire harness from the transmission and transfer.

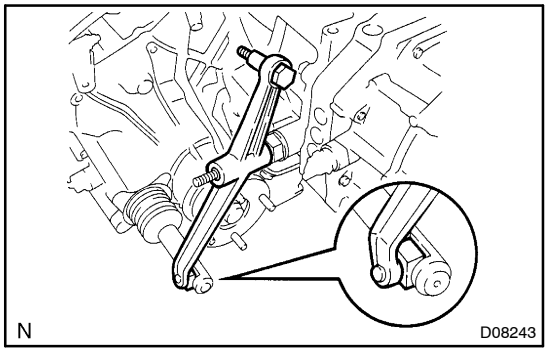
(b) Remove the 5 transmission mounting bolts from the engine.
Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)

(c) Pull out the transmission with the transfer down and toward the rear.



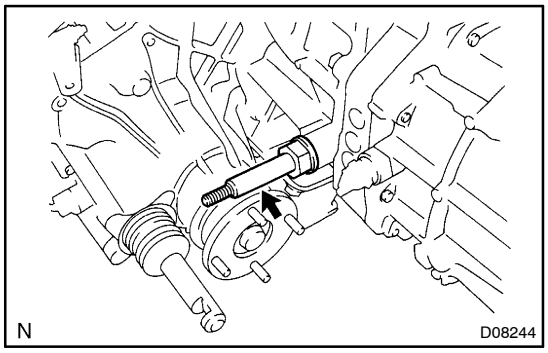
17. Direct shift type:
REMOVE TRANSFER SHIFT LEVER GUIDE

Remove the 2 bolts, nut, 2 washers and transfer shift lever guide.
Torque:
Bolt: 39 N·m (400 kgf·cm, 29 ft·lbf)
Nut: 25 N·m (250 kgf·cm, 18 ft·lbf)



18. Direct shift type:
REMOVE FRONT DRIVE SHIFT LINK LEVER

(a) Remove the front drive shift link lever.
(b) Remove the 2 bushings from the front drive shift link lever.
(c) Using a plastic hammer, drive out the transfer shift lever shaft from the front drive shift link lever.



19. Direct shift type:
REMOVE FRONT DRIVE SHIFT LINK SUPPORT SHAFT

Remove the front drive shift link support shaft and 2 washers.
Torque: 88 N·m (900 kgf·cm, 65 ft·lbf)