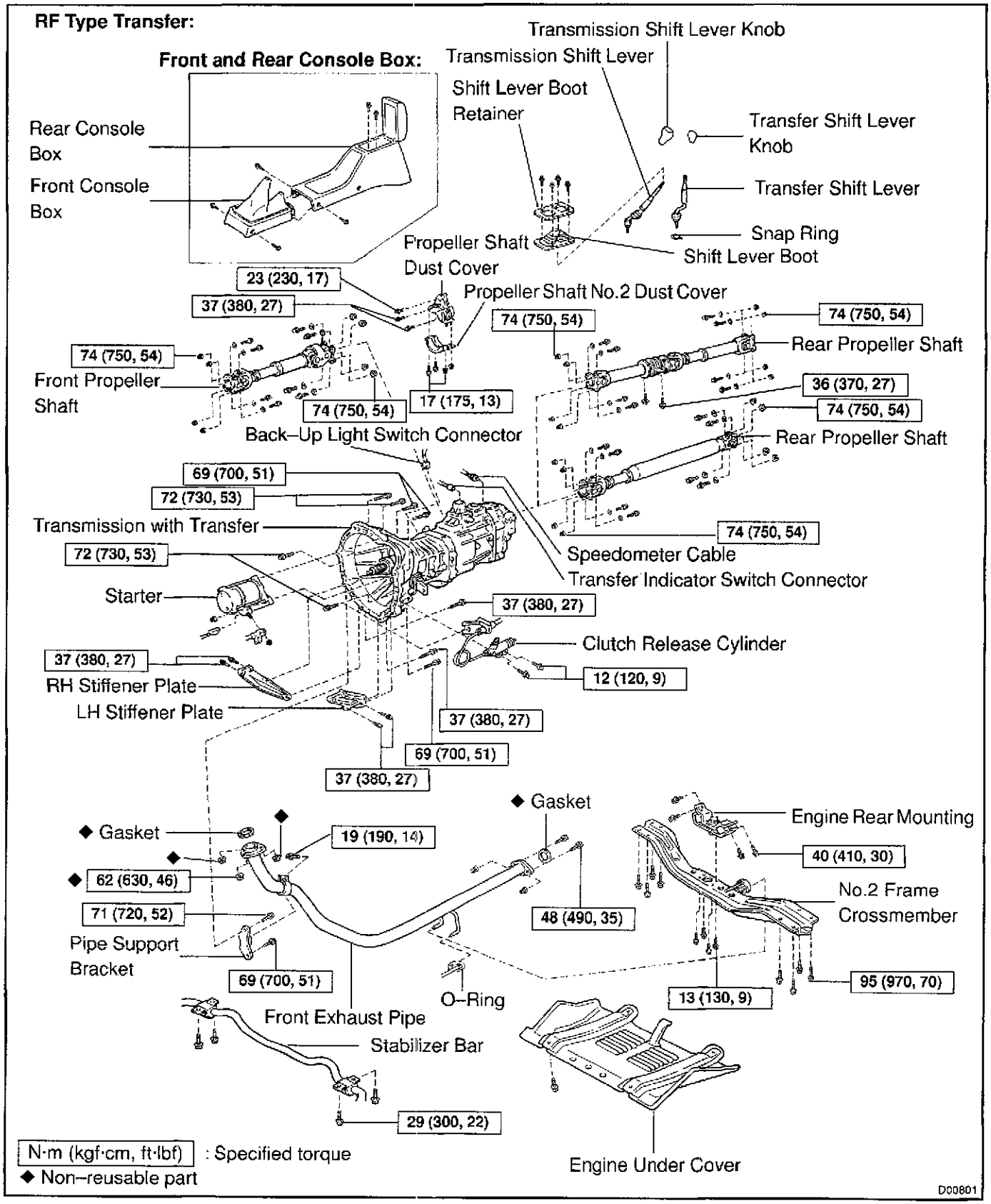
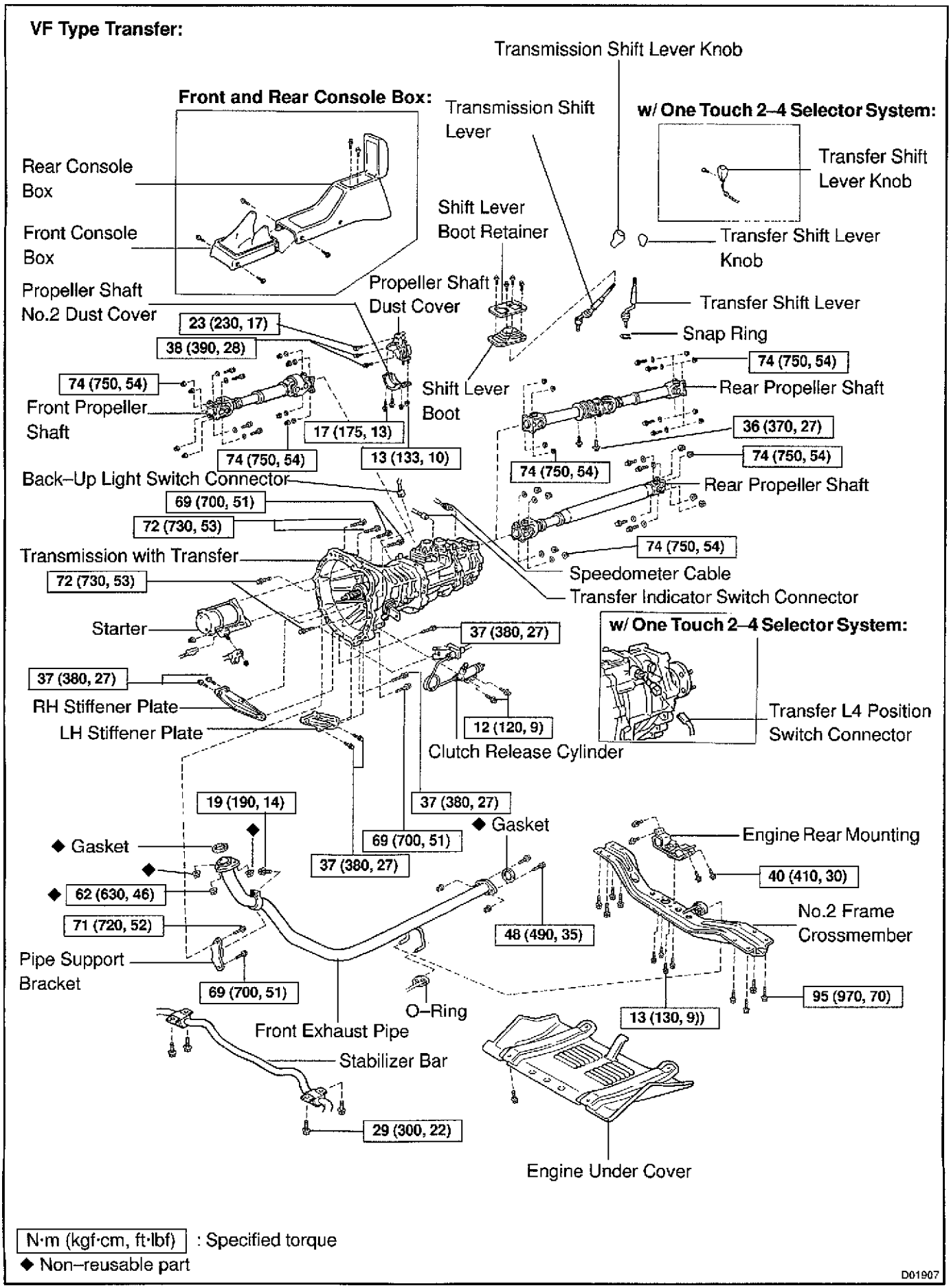
MANUAL TRANSMISSION UNIT (4WD w/ 3L, 5L)

COMPONENTS

MT06Z-01



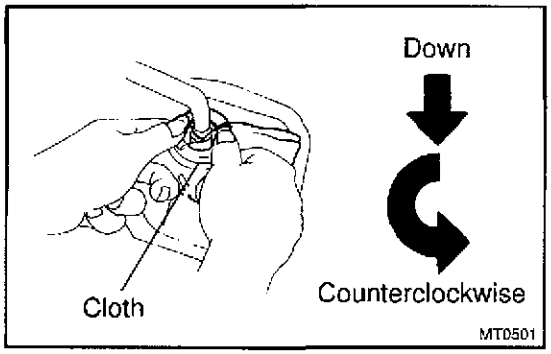


N·m (kgf·cm, ft·lbf) : Specified torque
◆ Non–reusable part

D01907

MT060-01

REMOVAL



1. REMOVE TRANSMISSION SHIFT LEVER

(a) w/ Front and Rear Console Boxes:
Remove the front and rear console boxes.
(See page BO–67)

(b) Remove the 4 screws, shift lever boot and retainer.

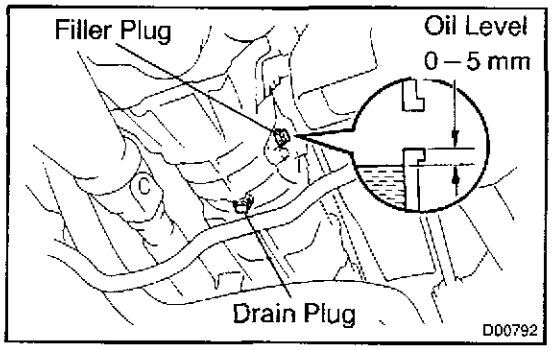
(c) Cover the shift lever cap with a cloth.

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

(e) Pull out the shift lever.

HINT:
At the time of installation, please refer to the following item.
Apply MP grease to the tip of the shift lever.

2. REMOVE TRANSFER SHIFT LEVER
RF Type Transfer: See page TR–3
VF Type Transfer: See page TR–5



3. RAISE VEHICLE AND DRAIN TRANSMISSION OIL
Oil grade: API GL–4 or GL–5
Viscosity: SAE 75W–90
Capacity: 3.9 liters (4.1 US qts, 3.4 Imp. qts)
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

4. REMOVE ENGINE UNDER COVER

5. REMOVE FRONT AND REAR PROPELLER SHAFTS
(See page PR–9)

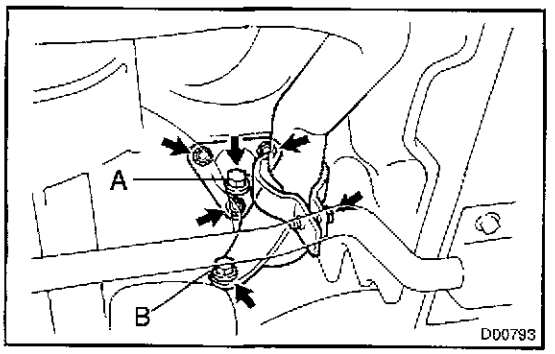
6. DISCONNECT TRANSFER INDICATOR SWITCH AND BACK–UP LIGHT SWITCH CONNECTORS

7. w/ One Touch 2–4 Selector System (VF Type Transfer):
DISCONNECT TRANSFER L4 POSITION SWITCH CONNECTOR

8. DISCONNECT SPEEDOMETER CABLE

9. DISCONNECT CLUTCH RELEASE CYLINDER

Remove the 2 bolts and disconnect the release cylinder.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

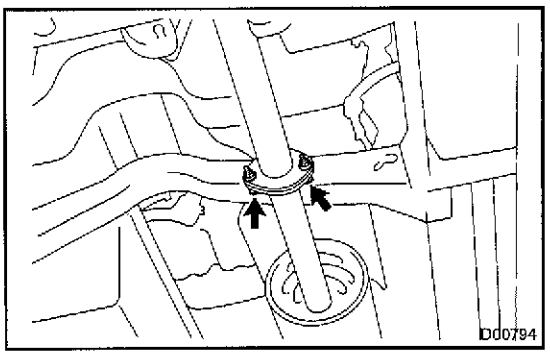


10. REMOVE FRONT EXHAUST PIPE

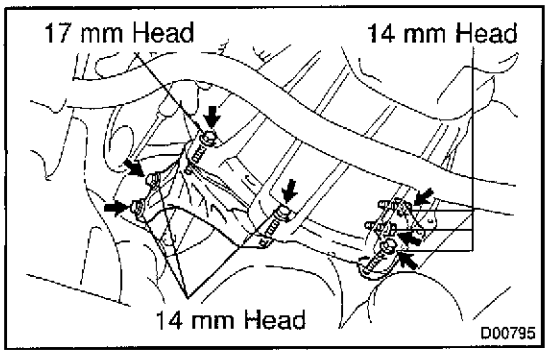
(a) Remove the set bolt of the clamp.
Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)

(b) Remove the 2 bolts and support bracket.
Torque:
Bolt A: 71 N·m (720 kgf·cm, 52 ft·lbf)
Bolt B: 69 N·m (700 kgf·cm, 51 ft·lbf)

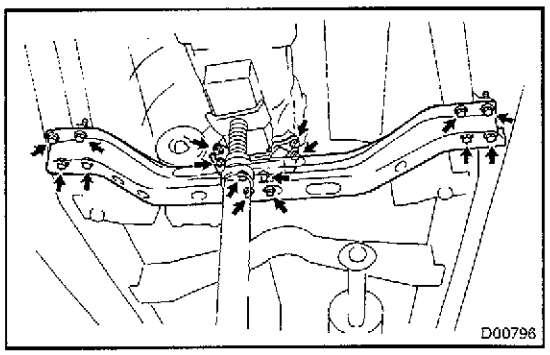
(c) Remove the 3 nuts and gasket from the exhaust manifold.
Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)



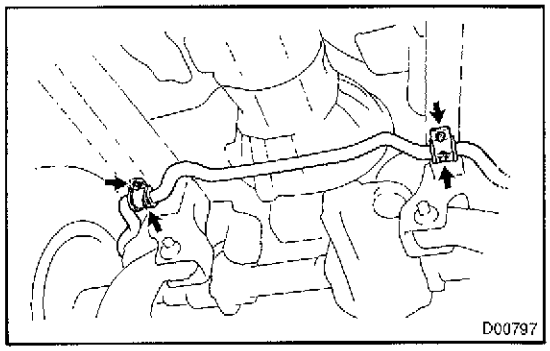
(d) Remove the 2 bolts, nuts and gasket.
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)
(e) Disconnect the front exhaust pipe from the O–ring and remove it.



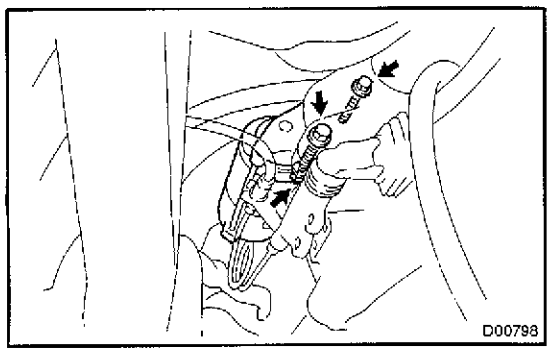
11. REMOVE LH AND RH STIFFENER PLATES
Remove the 7 bolts, LH and RH stiffener plates.
Torque:
17 mm head: 69 N·m (700 kgf·cm, 51 ft·lbf)
14 mm head: 37 N·m (380 kgf·cm, 27 ft·lbf)



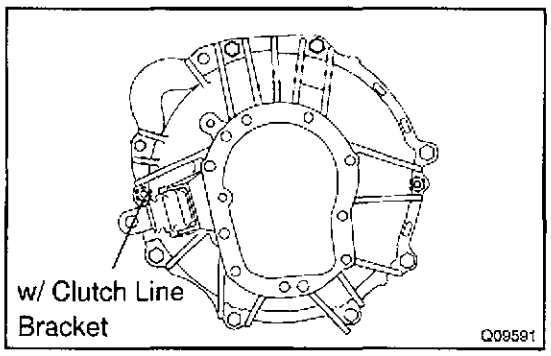
12. REMOVE NO.2 FRAME CROSSMEMBER
(a) Support the rear side of the transmission.
(b) Remove the 4 set bolts of the engine rear mounting.
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)
(c) Remove the 4 bolts and crossmember.
Torque: 95 N·m (970 kgf·cm, 70 ft·lbf)
13. REMOVE ENGINE REAR MOUNTING
Remove the 4 bolts and engine rear mounting from the transmission.
Torque: 40 N·m (410 kgf·cm, 30 ft·lbf)



14. 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.
15. JACK UP TRANSMISSION SLIGHTLY
Using a transmission jack, support the transmission.



16. REMOVE STARTER
(a) Disconnect the connector and wire from the starter.
(b) Remove the 2 bolts, nut and starter.
Torque: 69 N·m (700 kgf·cm, 51 ft·lbf)



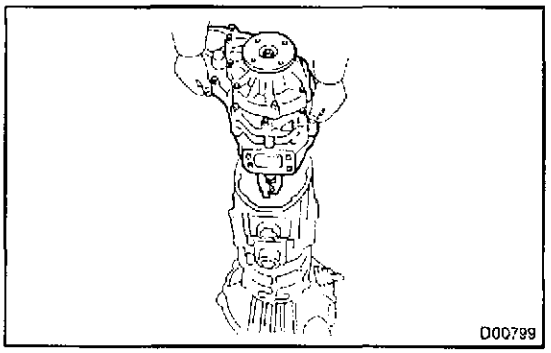
17. REMOVE TRANSMISSION WITH TRANSFER

(a) Disconnect the wire harness from the transmission.

(b) Remove the 4 transmission mounting bolts from the engine.

Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)

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



18. RF Type Transfer:
REMOVE TRANSFER FROM TRANSMISSION

(a) Remove the transfer adaptor rear mounting bolts.

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

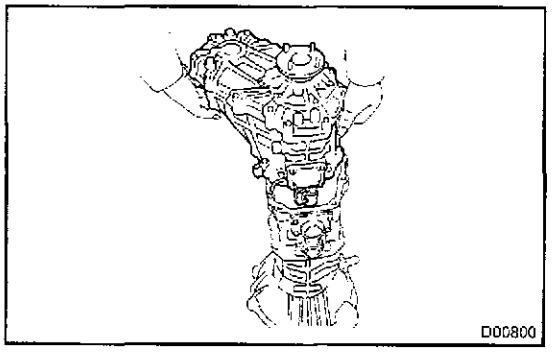
(b) Pull the transfer straight up and remove it from the transmission.

HINT:

Take care not to damage the transfer adaptor rear oil seal with the transfer input gear spline.

HINT:

At the time of installation, please refer to the following item.
Apply MP grease to the transfer adaptor rear oil seal.



19. VF Type Transfer:
REMOVE TRANSFER FROM TRANSMISSION

(a) Disconnect the breather hose and remove the transfer adaptor rear mounting bolts.

Torque: 38 N·m (390 kgf·cm, 28 ft·lbf)

(b) Pull the transfer straight up and remove it from the transmission.

HINT:

Take care not to damage the transfer adaptor rear oil seal with the transfer input gear spline.

HINT:

At the time of installation, please refer to the following item.
Apply MP grease to the transfer adaptor rear oil seal.

MT051–01

INSTALLATION

Installation is in the reverse order of removal.

(See page MT–15)

HINT:

After installation, do the road test.