MT0DL–01

REMOVAL

1. REMOVE TRANSMISSION SHIFT LEVER KNOB

2. w/o One Touch 2–4 Selector System:
REMOVE TRANSFER SHIFT LEVER KNOB

3. w/ One Touch 2–4 Selector System:
DISCONNECT TRANSFER SHIFT LEVER KNOB

Remove the screw and disconnect the transfer shift lever knob.

4. w/ Rear Console Box:
REMOVE REAR CONSOLE BOX

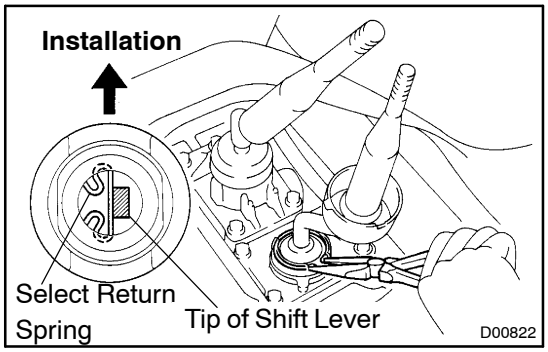
Remove the 2 bolts, 4 screws and rear console box.

5. w/ Front Console Box:
REMOVE FRONT CONSOLE BOX

Remove the 2 screws and front console box.

6. w/ One Touch 2–4 Selector System:
REMOVE TRANSFER SHIFT LEVER KNOB

Disconnect the connector and remove the transfer shift lever knob.

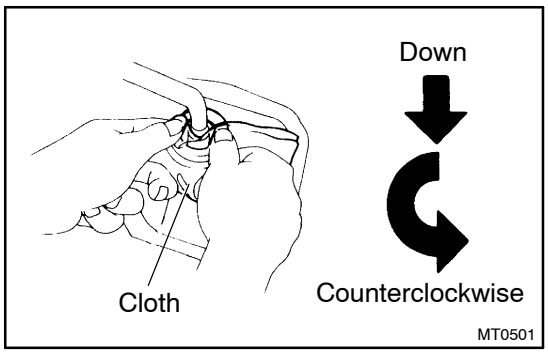


7. REMOVE TRANSFER SHIFT LEVER

Using snap ring pliers, remove the snap ring and pull out the shift lever.

HINT:

- w/o One Touch 2–4 Selector System:
  Shift the transfer shift lever to the ”H4” position.
- w/ One Touch 2–4 Selector System:
  Shift the transfer shift lever to the ”H” position and turn the 2–4 selector switch OFF.
- At the time of installation, apply MP grease to the tip of the shift lever.

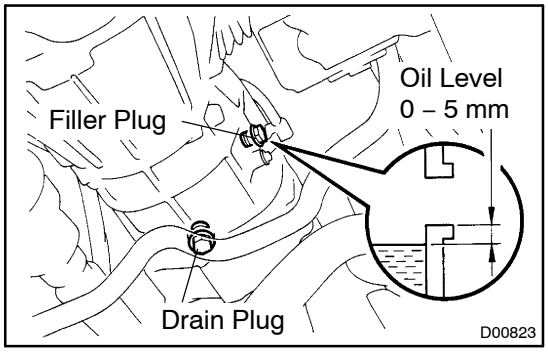


8. REMOVE TRANSMISSION SHIFT LEVER

(a) Remove the 4 screws, shift lever boot and retainer.
(b) Cover the shift lever cap with a cloth.
(c) Pressing down on the shift lever cap and rotate it counterclockwise to remove.
(d) 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.



9. RAISE VEHICLE AND DRAIN TRANSMISSION OIL
Oil grade: API GL–4 or GL–5
Viscosity: SAE 75W–90
Capacity: 2.2 liters (2.3 US qts, 1.9 Imp. qts)
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

10. REMOVE ENGINE UNDER COVER
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

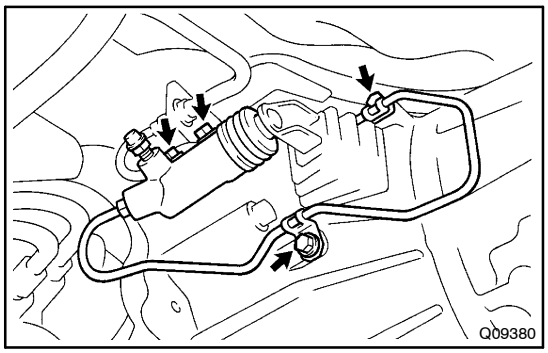
11. REMOVE PROPELLER SHAFT NO. 2 DUST COVER
Remove the 4 bolts and No.2 dust cover.
Torque: 17 N·m (175 kgf·cm, 13 ft·lbf)

12. REMOVE PROPELLER SHAFT DUST COVER
Remove the bolt, 2 transfer mounting bolts and dust cover.
Torque:
Bolt: 23 N·m (230 kgf·cm, 17 ft·lbf)
Transfer mounting Bolt: 38 N·m (390 kgf·cm, 28 ft·lbf)

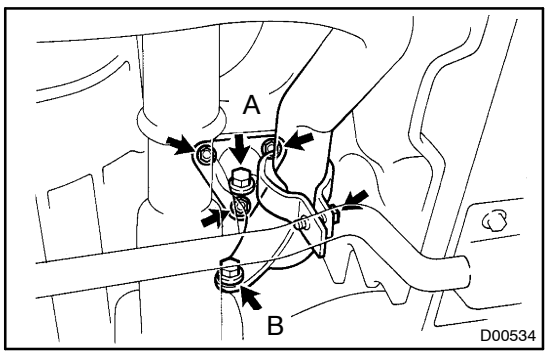
13. REMOVE FRONT AND REAR PROPELLER SHAFTS

14. DISCONNECT 4WD POSITION SWITCH AND BACK–UP LIGHT SWITCH CONNECTORS

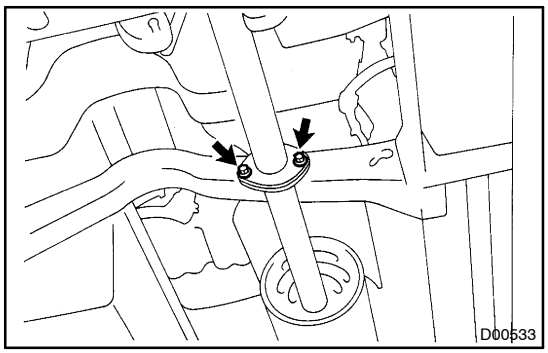
15. DISCONNECT SPEEDOMETER CABLE



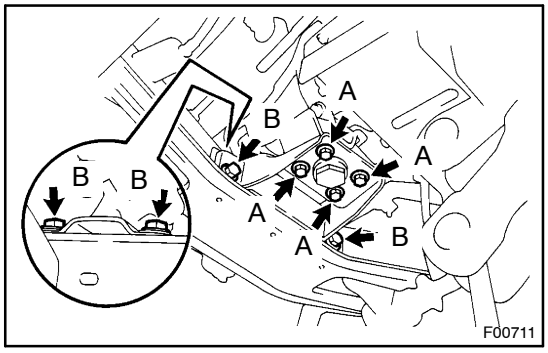
16. DISCONNECT CLUTCH RELEASE CYLINDER
(a) Remove the 2 bolts, disconnect the release cylinder line from the clutch housing.
Torque: 19 N·m (190 kgf·cm, 14 ft·lbf)
(b) Remove the 2 bolts, disconnect the release cylinder from the clutch housing.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



17. 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: 72 N·m (730 kgf·cm, 53 ft·lbf)
(c) Remove the bolt, 2 nuts and gasket from the exhaust manifold.
Torque: 62 N·m (630 kgf·cm, 46 ft·lbf)
(d) Remove the 2 bolts, nuts, gasket and pipe.
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)



18. REMOVE No. 2 REAR END PLATES
Remove the No. 2 rear end plate.
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)



19. REMOVE ENGINE REAR MOUNTING BRACKET

(a) Support the transmission rear side.

(b) Remove the 8 bolts and engine rear mounting bracket.

Torque:
A bolt: 13 N·m (130 kgf·cm, 9 ft·lbf)
B bolt: 58 N·m (590 kgf·cm, 43 ft·lbf)

20. REMOVE No. 2 FRAME CROSSMEMBER

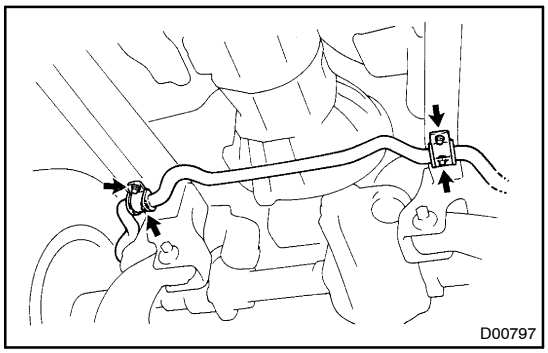
Remove the 8 bolts and No. 2 frame crossmember.

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

21. 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)



22. DISCONNECT STABILIZER BAR

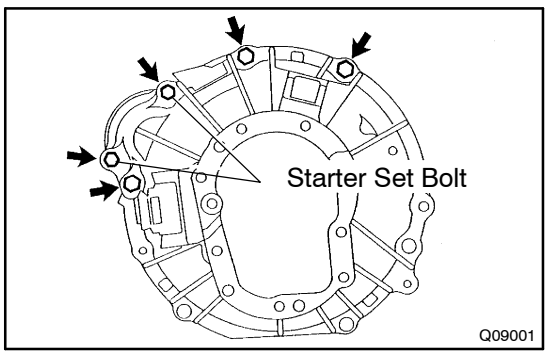
(a) Remove the 4 set bolts of the stabilizer bar bracket.

Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(b) Disconnect the stabilizer bar.

23. JACK UP TRANSMISSION SLIGHTLY

Using a transmission jack, support the transmission.



24. REMOVE STARTER

(a) Remove the set bolt of the starter lower side with the clutch line bracket.

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

(b) Disconnect the connector and wire, and remove the set bolt of the starter upper side and starter.

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

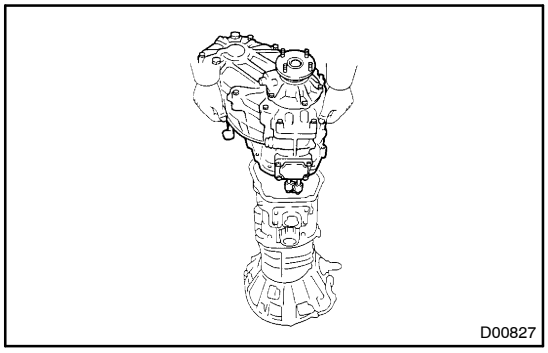
25. REMOVE TRANSMISSION WITH TRANSFER

(a) Disconnect the wire harness from the transmission.

(b) Remove the 3 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.



26. 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 oil seal.