MT0G9–02

REMOVAL

1. REMOVE TRANSMISSION SHIFT LEVER KNOB

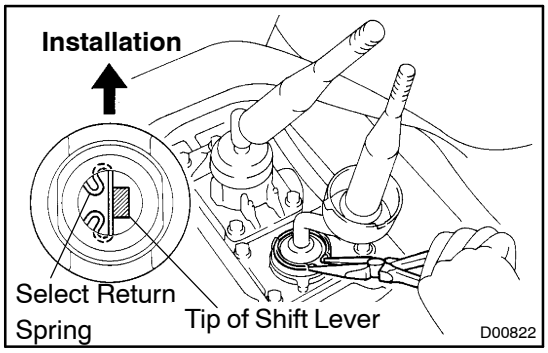
2. REMOVE TRANSFER SHIFT LEVER KNOB

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

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

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

Remove the 2 screws and front console box.

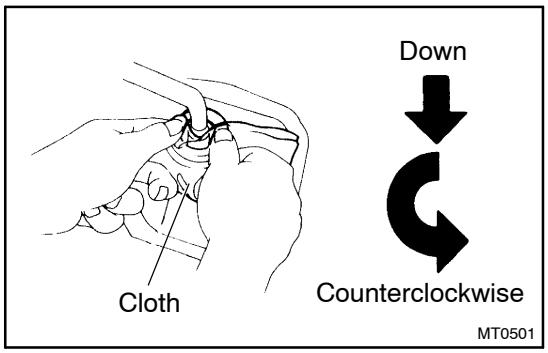


5. REMOVE TRANSFER SHIFT LEVER

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

HINT:

- Shift the transfer shift lever to the ”H4” position.
- At the time of installation, apply MP grease to the tip of the shift lever.



6. REMOVE TRANSMISSION SHIFT LEVER

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

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

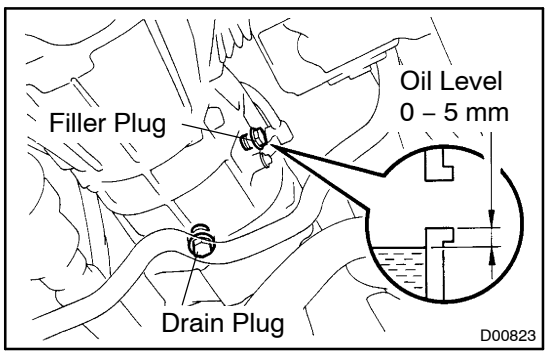
(c) Pressing down on the shift lever cap and rotate it counterclockwise to remove.

(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.



7. 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 lmp. qts)
Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)

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

9. REMOVE PROPELLER SHAFT NO. 2 DUST COVER

Remove the 2 bolts, 2 nuts and No. 2 dust cover.
Torque: 17 N·m (175 kgf·cm, 13 ft·lbf)

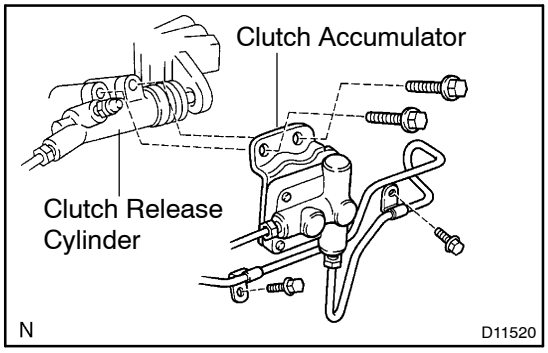
10. REMOVE PROPELLER SHAFT DUST COVER

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)

11. REMOVE FRONT AND REAR PROPELLER SHAFTS

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

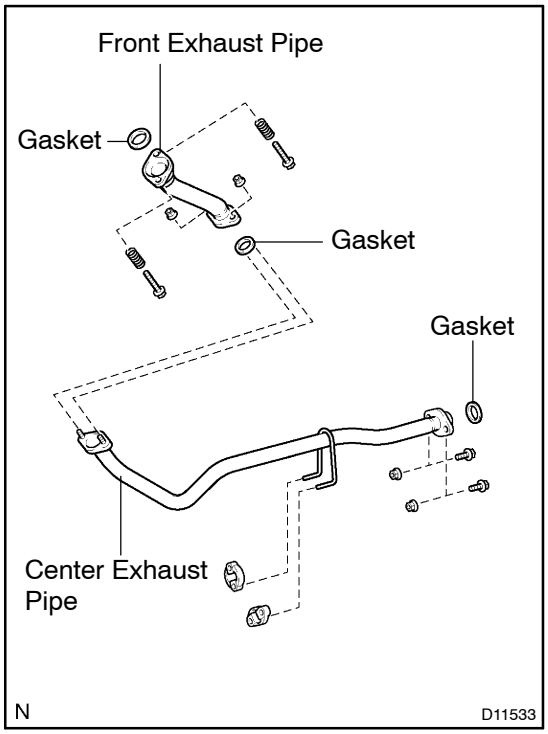
13. DISCONNECT SPEEDOMETER CABLE



14. DISCONNECT CLUTCH ACCUMULATOR WITH CLUTCH RELEASE CYLINDER

(a) Remove the 2 bolts, disconnect the clutch line from the clutch housing.
Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)

(b) Remove the 2 bolts, disconnect the clutch accumulator with the release cylinder from the clutch housing.
Torque: 11.7 N·m (120 kgf·cm, 9 ft·lbf)



15. 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, 2 nuts and gasket.
Torque: 48 N·m (490 kgf·cm, 35 ft·lbf)

(c) Disconnect the center exhaust pipe from the 2 O–rings and remove it.

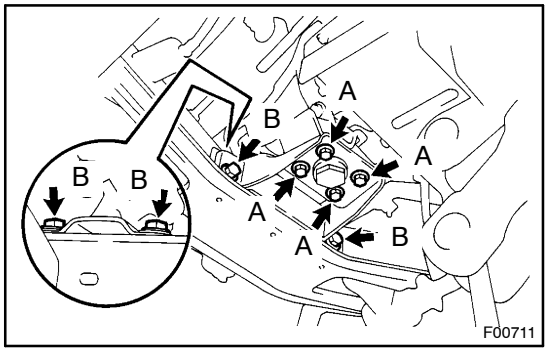
16. REMOVE FRONT EXHAUST PIPE

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

(b) Remove the gasket from the exhaust manifold.

17. REMOVE NO. 2 REAR END PLATE

Remove the 4 bolts and No. 2 rear end plate.
Torque: 73 N·m (744 kgf·cm, 54 ft·lbf)



18. REMOVE ENGINE REAR MOUNTING BRACKET

(a) Support the transmission rear side.

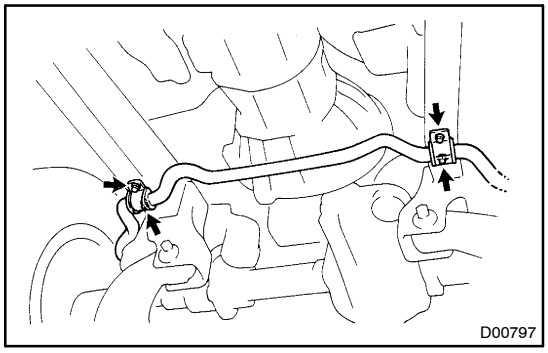
(b) Remove the 8 bolts and engine rear mounting bracket.
Torque:
A bolt: 13 N·m (130 kgf·cm, 9 ft·lbf)
B bolt: 58 N·m (590 kgf·cm, 43 ft·lbf)

19. REMOVE NO. 2 FRAME CROSSMEMBER

Remove the 8 bolts and No. 2 frame crossmember.
Torque: 95 N·m (970 kgf·cm, 70 ft·lbf)

20. 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)



21. 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.

22. JACK UP TRANSMISSION SLIGHTLY

Using a transmission jack, support the transmission.

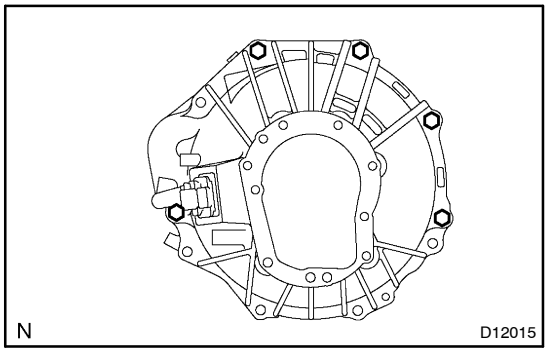
23. REMOVE STARTER

(a) Remove the bolt and nut of the starter lower side with the clutch line bracket.
Torque: 68 N·m (693 kgf·cm, 50 ft·lbf)

(b) Disconnect the starter connector.

(c) Remove the nut and disconnect the starter wire.
Torque: 9.8 N·m (100 kgf·cm, 8 ft·lbf)

(d) Remove the nut of the starter upper side and starter.
Torque: 68 N·m (693 kgf·cm, 50 ft·lbf)

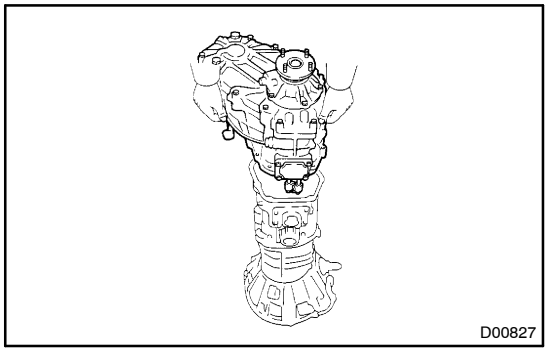


24. REMOVE TRANSMISSION WITH TRANSFER

(a) Disconnect the wire harness from the transmission.

(b) Remove the 5 transmission mounting bolts from the engine.
Torque: 71.5 N·m (729 kgf·cm, 53 ft·lbf)

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



25. 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.
- At the time of installation, please refer to the following item.
  Apply MP grease to the transfer adaptor oil seal.