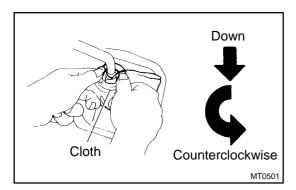
MT02S-01



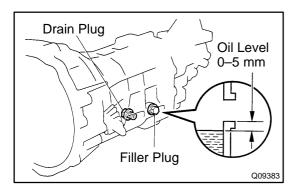
# **REMOVAL**

# 1. REMOVE TRANSMISSION SHIFT LEVER

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





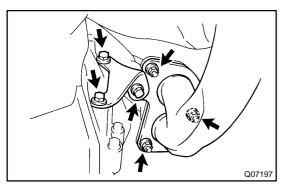
Oil grade: API GL-4 or GL-5 Viscosity: SAE 75W-90

Capacity: 2.6 liters (2.7 US qts, 2.3 lmp. qts)

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

3. REMOVE PROPELLER SHAFT

(See page PR-2)



## 4. REMOVE FRONT EXHAUST PIPE

- (a) Disconnect the 2 heated oxygen sensor connectors.
- (b) Remove the 2 bolts, nuts and gasket.

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

(c) Remove the 3 bolts and bracket.

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

(d) Remove the 3 nuts, front exhaust pipe and 2 gaskets.

Torque: 62 N-m (630 kgf-cm, 46 ft-lbf)

5. DISCONNECT VEHICLE SPEED SENSOR AND BACK-UP LIGHT SWITCH CONNECTORS

# 6. DISCONNECT CLUTCH RELEASE CYLINDER

Remove the 4 bolts, release cylinder and line.

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)

REMOVE STARTER

7.

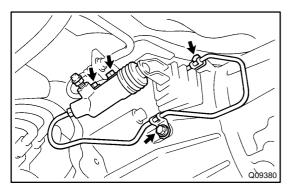
- (a) Disconnect the connector and wire from the starter.
- (b) Remove the 2 bolts and starter.

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

8. REMOVE REAR END PLATE

Remove the 4 bolts and rear end plate.

Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)

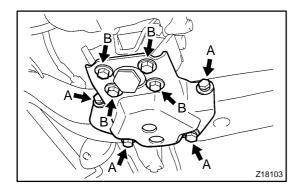


2003 TOYOTA TACOMA (RM1002U)

Author: Date: 1614

#### 9. JACK UP TRANSMISSION SLIGHTLY

Using a transmission jack, support the transmission.



#### 10. REMOVE ENGINE REAR MOUNTING BRACKET

Remove the 8 bolts and engine rear mounting bracket.

**Torque:** 

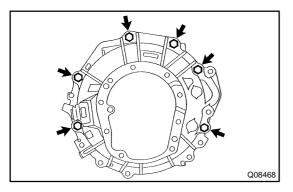
Bolt A: 58 N-m (590 kgf-cm, 43 ft-lbf)

Bolt B: 18 N-m (185 kgf-cm, 13 ft-lbf)

11. REMOVE ENGINE REAR MOUNTING

Remove the 4 bolts and engine rear mounting.

Torque: 65 N-m (660 kgf-cm, 48 ft-lbf)

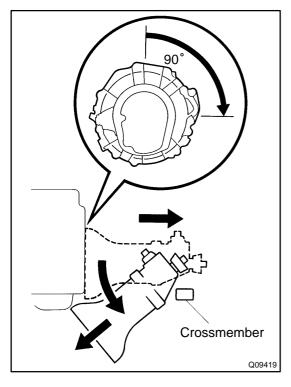


### 12. REMOVE TRANSMISSION

(a) Remove the 6 transmission mounting bolts from the engine.

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

(b) Disconnect the wire harness from the transmission.



- (c) Pull out the transmission up and toward the rear.
- (d) Turn the transmission clockwise.
- (e) Move the transmission backward again.
- (f) Lower the front side of the transmission and remove it from the front side of the vehicle.

2003 TOYOTA TACOMA (RM1002U)

Author: Date: 1615