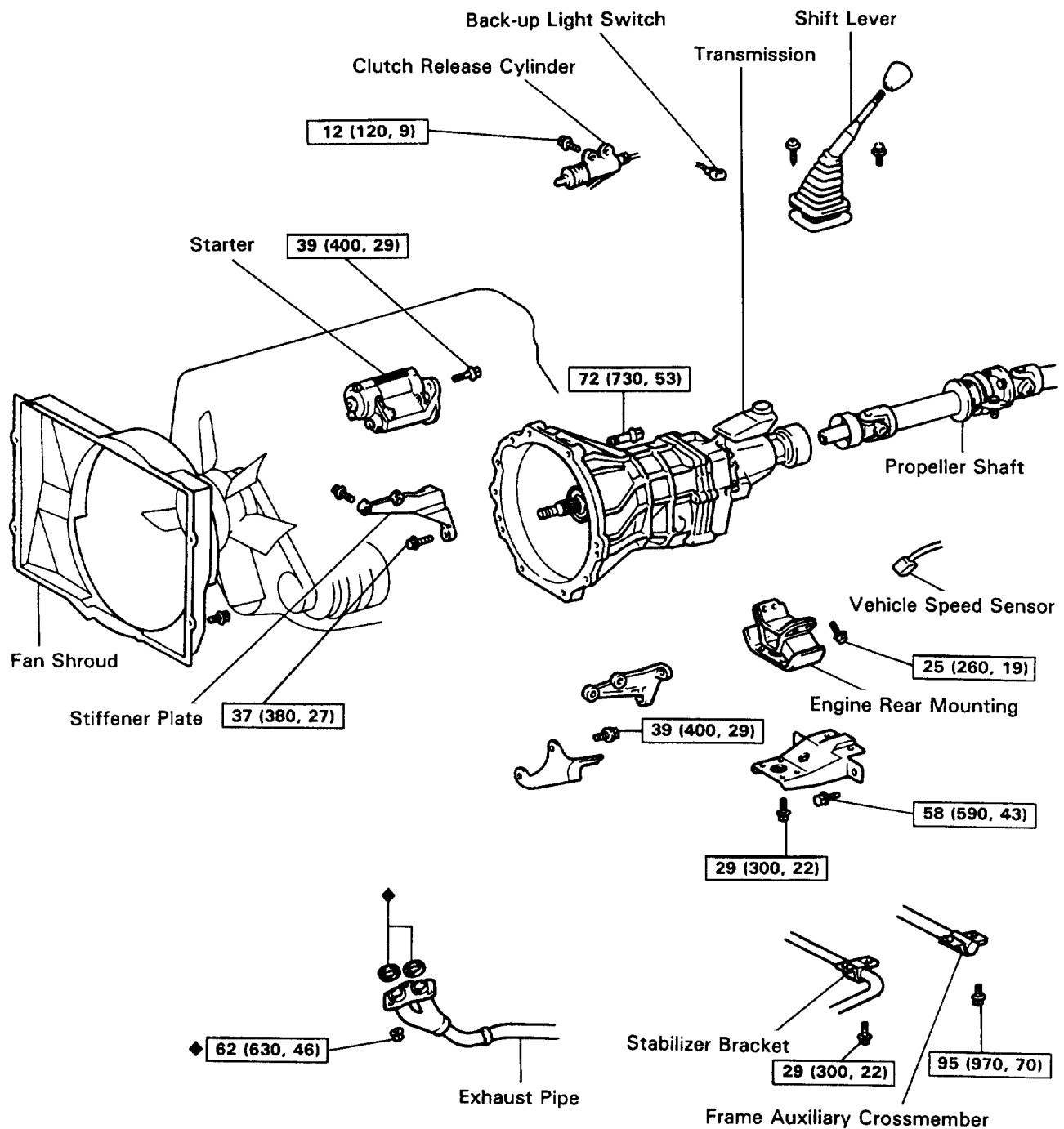


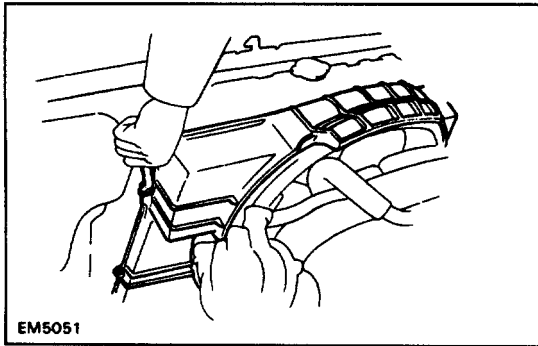
ASSEMBLY REMOVAL AND INSTALLATION 2WD



Q03156

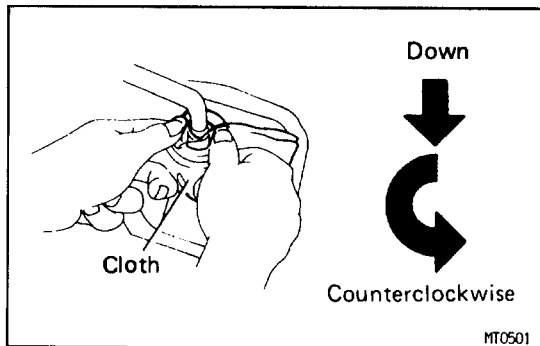
N·m (kgf·cm, ft·lbf) : Specified torque

◆ Non-reusable part



TRANSMISSION REMOVAL

1. **DISCONNECT NEGATIVE (-) TERMINAL CABLE FROM BATTERY**
2. **REMOVE FAN SHROUD SET BOLTS.**
Remove the 4 bolts.



3. **REMOVE TRANSMISSION SHIFT LEVER FROM INSIDE VEHICLE**
 - (a) Remove the 4 screws and remove the shift lever boot retainer.
 - (b) Pull up the shift lever boot.
 - (c) Cover the shift lever cap with a cloth.
 - (d) Then, pressing down on the shift lever cap, rotate it counterclockwise to remove.
 - (e) Remove the shift lever.

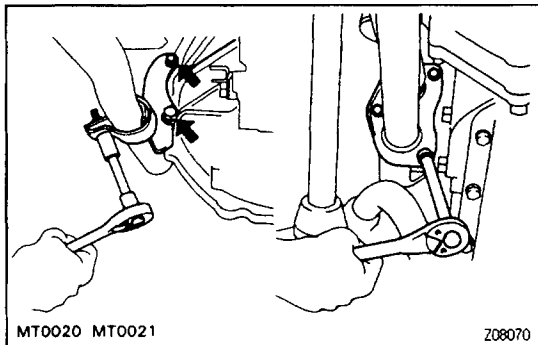
4. **RAISE VEHICLE AND DRAIN TRANSMISSION OIL**
NOTICE: Be sure the vehicle is securely supported.

5. **DISCONNECT PROPELLER SHAFT**

(See page [PR-7](#))

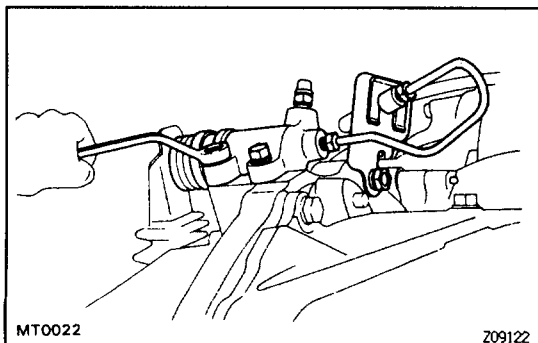
SST 09325-20010

6. **DISCONNECT VEHICLE SPEED SENSOR AND BACK-UP LIGHT SWITCH CONNECTOR**



7. **REMOVE EXHAUST PIPE CLAMP AND EXHAUST PIPE**

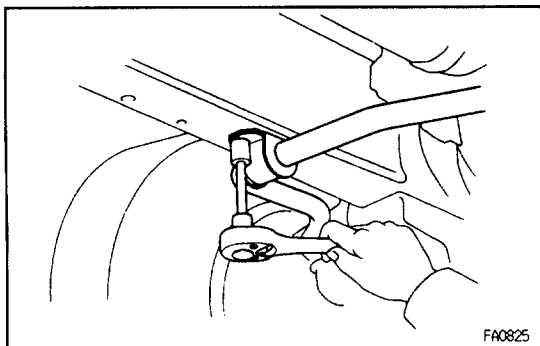
- (a) Remove the exhaust pipe clamp from the bracket.
- (b) Remove the exhaust pipe from the manifold.
- (c) Remove the pipe clamp bracket from the clutch housing.



8. **REMOVE CLUTCH RELEASE CYLINDER, TUBE BRACKET AND STARTER LOWER MOUNTING BOLT**

Lay the release cylinder and tube bracket alongside the engine.

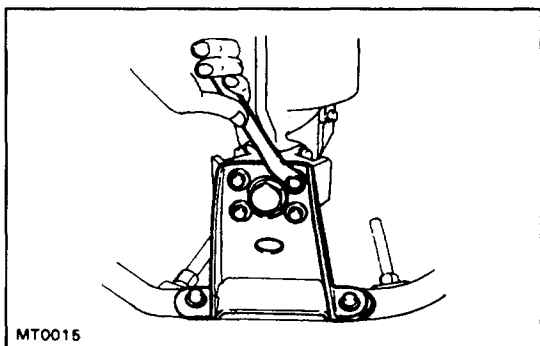
HINT: Do not disconnect the clutch line.

**9. REMOVE STABILIZER BRACKET SET BOLTS**

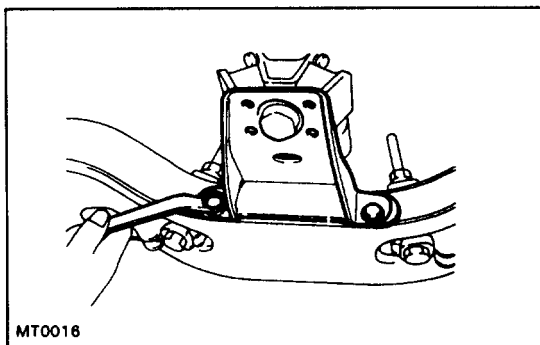
Remove the 4 bolts.

10. REMOVE FRAME AUXILIARY CROSSMEMBER

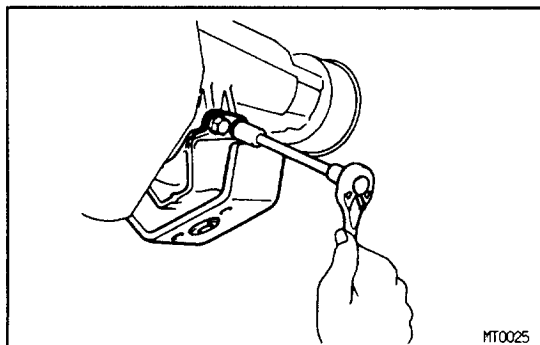
Remove the 4 bolts.

**11. REMOVE ENGINE REAR MOUNTING AND BRACKET**

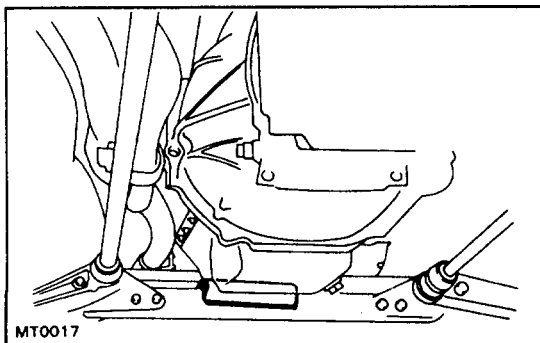
- (a) Remove the 4 bolts from the engine rear mounting.
- (b) Raise the transmission slightly by raising the engine with a jack.



- (c) Remove the 2 bolts from the support member and remove the mounting bracket.



- (d) Remove the engine rear mounting from the transmission.

**12. PLACE PIECE OF WOOD BETWEEN ENGINE OIL PAN AND FRONT CROSSMEMBER**

HINT: Tape a piece of wood or such about 20 mm (0.79 in.) thick on the front crossmember.

13. LOWER TRANSMISSION**14. REMOVE STARTER**

Lay the starter alongside the engine.

15. REMOVE STIFFENER PLATE BOLTS**16. REMOVE REMAINING TRANSMISSION BOLTS**

17. REMOVE TRANSMISSION

- Draw out the transmission toward the rear.
- Lower the transmission front and remove the transmission from the vehicle.

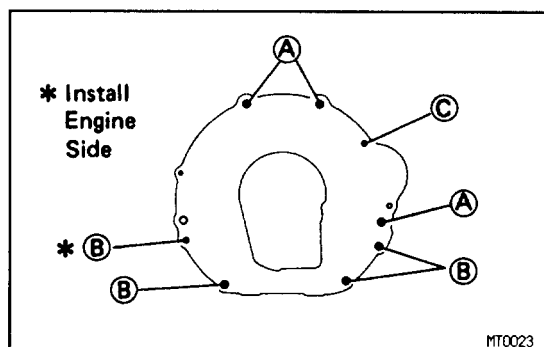
HINT: Be careful not to damage the extension housing dust deflector.

TRANSMISSION INSTALLATION

1. PLACE TRANSMISSION AT INSTALLATION POSITION

Install the extension housing between the member and floor and then slide the transmission forward.

Align the input shaft spline with the clutch disc, and push the transmission fully into position.



2. INSTALL TRANSMISSION BOLTS, STIFFENER BOLTS AND STARTER

(A) Transmission bolt

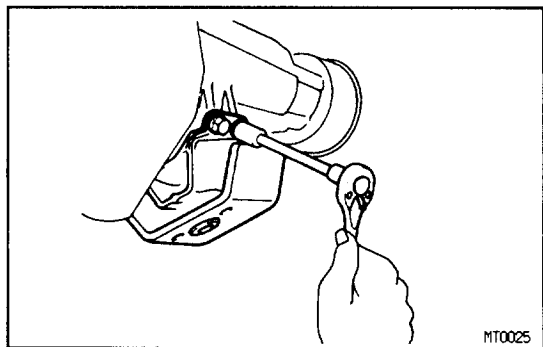
Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)

(B) Stiffener plate bolt

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

(C) Starter bolt

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

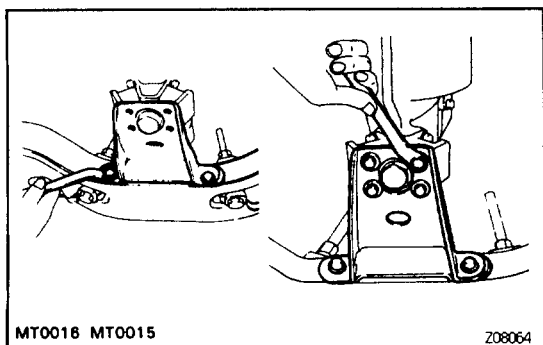


3. INSTALL ENGINE REAR MOUNTING AND BRACKET

- Install the engine rear mounting. Torque the bolts.

Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)

- Raise the transmission slightly by raising the engine with a jack and wooden block under the transmission.



- Install the engine rear mounting bracket to the support member. Torque the bolts.

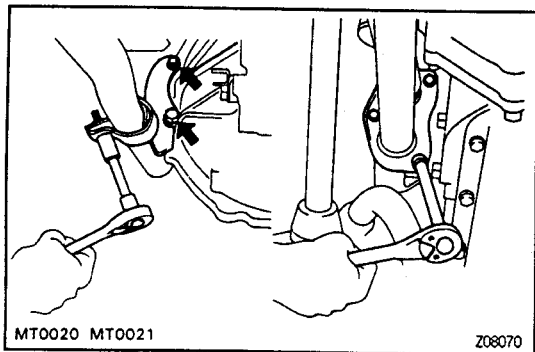
Torque: 58 N·m (590 kgf·cm, 43 ft·lbf)

- Lower the transmission and rest it on the extension housing.

- Install the bracket to the mounting. Torque the bolts.

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

4. REMOVE PIECE OF WOOD FROM FRONT CROSSMEMBER



5. INSTALL EXHAUST PIPE, BRACKET AND CLAMP

- (a) Install the exhaust pipe to the manifold.

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

- (b) Install the pipe bracket to the clutch housing and torque each bolt.

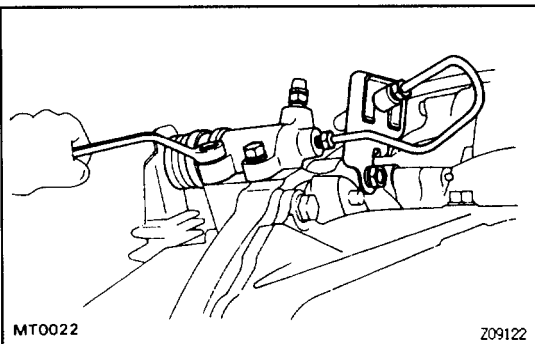
Upper bolt

Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)

Lower bolt

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

- (c) Install the exhaust pipe clamp.



6. INSTALL STARTER LOWER MOUNTING BOLT AND CLUTCH RELEASE CYLINDER AND BRACKET

Starter bolt

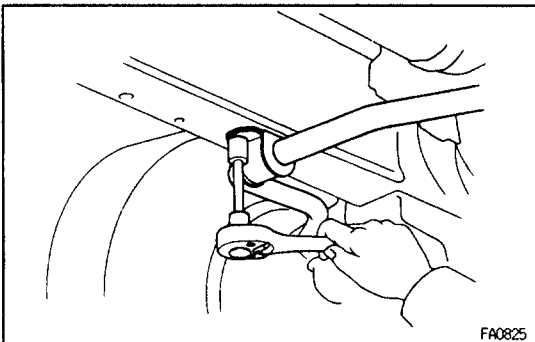
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

Tube bracket bolt

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

Clutch release cylinder

Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)



7. INSTALL STABILIZER BRACKET SET BOLTS

Install and torque the 4 bolts.

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

8. INSTALL FRAME AUXILIARY CROSSMEMBER

Install and torque the 4 bolts.

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

9. CONNECT VEHICLE SPEED SENSOR AND BACKUP LIGHT SWITCH

10. CONNECT PROPELLER SHAFT

(See page [PR-17](#))

11. FILL TRANSMISSION WITH OIL

Oil grade:

API GL-4

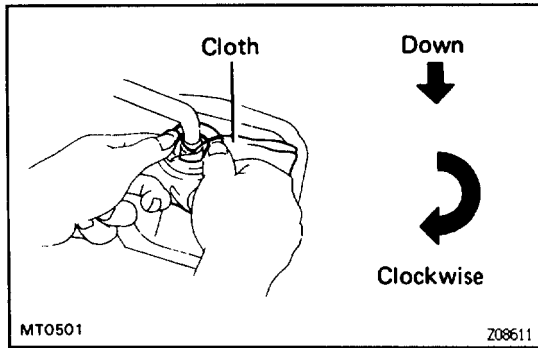
Viscosity:

SEA 75W-90 or 80W-90

Capacity:

2.6 liters (2.7 US qts, 2.3 Imp. qts)

12. LOWER VEHICLE

**13. INSTALL SHIFT LEVER**

- (a) Apply MP grease to the shift lever.
- (b) Align the groove of the shift lever cap and the pin part of case cover.
- (c) Cover the shift lever cap with a cloth.
- (d) Then, pressing down on the shift lever cap, rotate it clockwise to install.
- (e) Install the shift lever boot and retainer with 4 screws.

14. INSTALL FAN SHROUD SET BOLTS

Install and torque the 4 bolts.

15. CONNECT NEGATIVE (-) TERMINAL CABLE TO BATTERY**16. PERFORM ROAD TEST**

Check for abnormal noise and smooth operation.