

## INSTALLATION

### 1. INSTALL A/C COMPRESSOR BRACKET

- Install the compressor bracket with the 4 bolts and nut.
- Tighten the bolt B, nut C and bolt A.

**Torque: 46.5 N·m (475 kgf·cm, 34 ft·lbf)**

### 2. INSTALL STIFFENER PLATES

Install the LH and RH stiffener plates with the 4 bolts.

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

### 3. M/T: INSTALL CLUTCH DISC AND COVER

(See page CL-17)

### 4. INSTALL TRANSMISSION TO ENGINE

- A/T:  
Check the torque converter clutch installation.  
(See page AT-32)
- Attach the transmission to the engine.
- Install the 8 bolts.

**Torque:**

**37 N·m (380 kgf·cm, 27 ft·lbf) for 14 mm head**

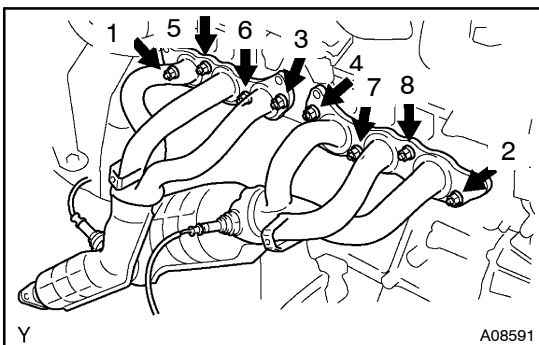
**72 N·m (730 kgf·cm, 53 ft·lbf) for 17 mm head**

### 5. INSTALL STARTER (See page ST-17)

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

### 6. A/T: INSTALL TORQUE CONVERTER CLUTCH BOLTS (See page AT-32)

### 7. A/T: INSTALL OIL COOLER PIPE FOR A/T



### 8. INSTALL EXHAUST MANIFOLD

- Install 2 new gaskets to the cylinder head.
- Install the exhaust manifold with 8 new nuts, in several passes, in the sequence shown.

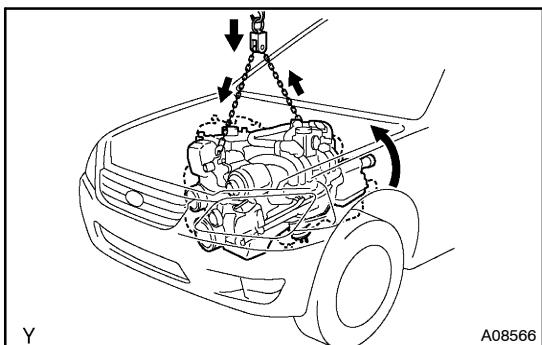
**Torque: 40 N·m (410 kgf·cm, 30 ft·lbf)**

- Install the 2 heat insulators with the 6 bolts.

**Torque: 18.5 N·m (190 kgf·cm, 14 ft·lbf)**

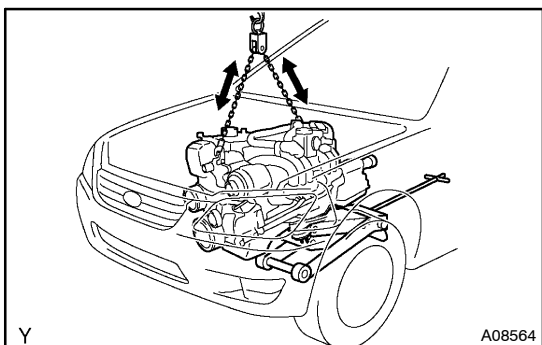
### 9. A/T: INSTALL OIL DIPSTICK GUIDE AND DIPSTICK FOR A/T

- Install a new O-ring to the dipstick guide.
- Push in the dipstick guide end to the dipstick tube of the transmission oil pan.
- Install the dipstick guide with the bolt.
- Install the dipstick.

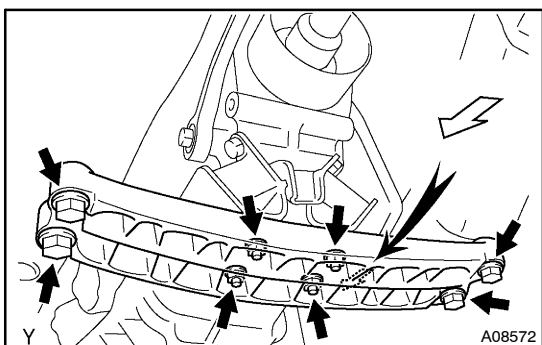


## 10. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- (a) Attach the engine sling device to the engine hangers.
- (b) Slowly lower the engine and transmission assembly into the engine compartment. Tilt the transmission downward, and lower the engine and transmission assembly.



- (c) Keep the engine level with a jack.



- (d) Install the rear engine mounting member with the 4 bolts and 4 nuts.

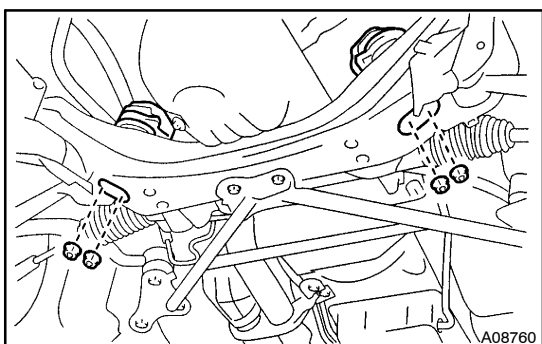
### Torque:

**25.5 N·m (260 kgf·cm, 19 ft·lbf) for bolts**

**13.5 N·m (135 kgf·cm, 10 ft·lbf) for nuts**

### NOTICE:

**Be careful of installation direction.**



- (e) Install the 4 nuts holding the engine mounting insulators to the front suspension crossmember.

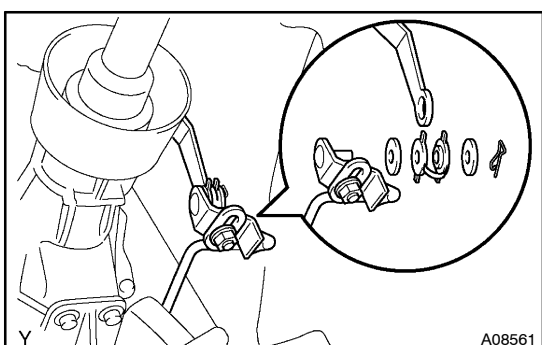
**Torque: 53 N·m (540 kgf·cm, 39 ft·lbf)**

- (f) Remove the engine sling device.

## 11. RHD:

### INSTALL STEERING SLIDING YOKE

(See page SR-23)

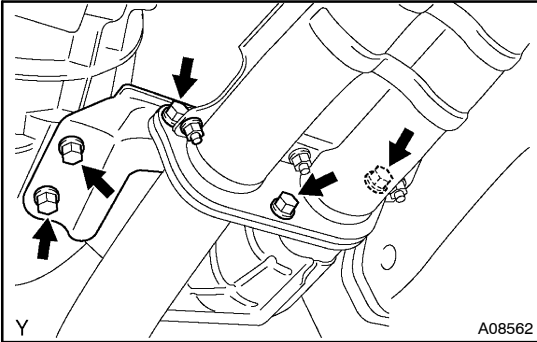


## 12. A/T:

### CONNECT TRANSMISSION SHIFT CONTROL ROD

Connect the shift control rod to the shift lever with the bushing, 2 plate washers and clip.

## 13. INSTALL PROPELLER SHAFT (See page PR-10)



#### 14. INSTALL FRONT AND CENTER EXHAUST PIPE ASSEMBLY

(a) Temporarily install the exhaust manifold stay to the transmission with the 2 bolts.

(b) Install 2 new gaskets to front end of the front exhaust pipe, and connect the front exhaust pipe to the exhaust manifold with the 3 bolts, a new retainer and a new nut.

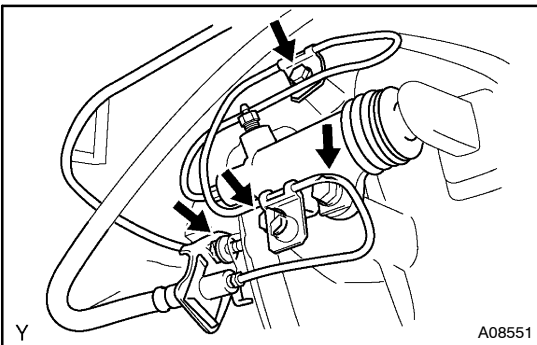
**Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)**

(c) Tighten the 2 bolts holding the exhaust manifold stay to the transmission.

**Torque: 40 N·m (410 kgf·cm, 30 ft·lbf)**

(d) Install a new gasket to rear end of the center exhaust pipe, and connect the center exhaust pipe to the tailpipe with the 2 bolts, 2 compression springs and 2 new nuts.

**Torque: 43 N·m (440 kgf·cm, 32 ft·lbf)**



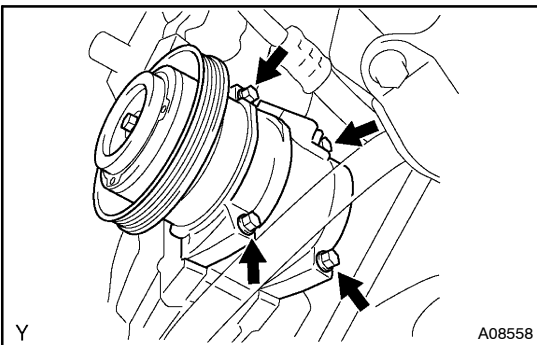
#### 15. M/T: INSTALL CLUTCH RELEASE CYLINDER TO TRANSMISSION

Connect the clutch release cylinder and tube assembly and ground strap with the 4 bolts.

**Torque:**

**12 N·m (120 kgf·cm, 9 ft·lbf) for 12 mm head**

**72 N·m (730 kgf·cm, 53 ft·lbf) for 17 mm head**

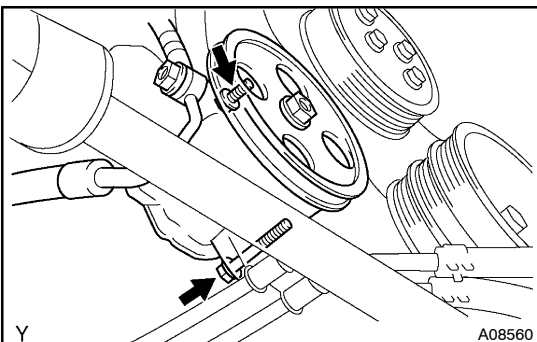


#### 16. INSTALL A/C COMPRESSOR

(a) Install the A/C compressor with the 4 bolts.

**Torque: 24.5 N·m (250 kgf·cm, 18 ft·lbf)**

(b) Connect the A/C compressor connector.



#### 17. INSTALL PS VANE PUMP

(a) Install the PS vane pump with the 2 bolts.

**Torque:**

**58 N·m (590 kgf·cm, 43 ft·lbf) for pivot bolt**

**39 N·m (400 kgf·cm, 29 ft·lbf) for adjusting lock bolt**

(b) Connect the PS solenoid valve connector.

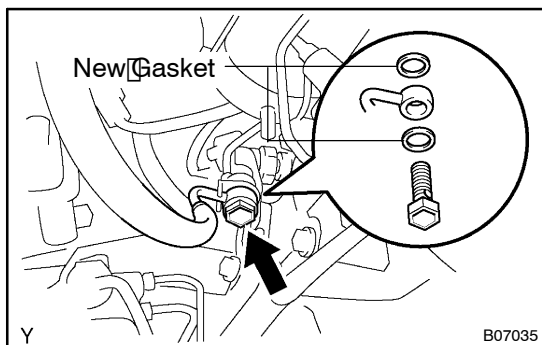
#### 18. M/T:

#### INSTALL TRANSMISSION SHIFT LEVER

(See page MT-8)

**19. CONNECT HOSES**

- (a) Connect the 2 heater hoses.
- (b) Connect the brake booster vacuum hose.
- (c) Connect the fuel vapor feed hose.



- (d) Connect the fuel inlet hose.

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

**20. CONNECT ENGINE WIRE****21. INSTALL FAN PULLEY AND SPACER**

**HINT:**

Temporarily install the 4 nuts.

**22. INSTALL DRIVE BELT FOR PS VANE PUMP**  
(See page SR-37)**23. INSTALL DRIVE BELT FOR ALTERNATOR**  
(See page CH-15)**24. INSTALL DRIVE BELT FOR A/C COMPRESSOR**  
(See page AC-18)**25. TIGHTEN MOUNTING NUTS OF FAN PULLEY AND SPACER**

**Torque: 18.5 N·m (185 kgf·cm, 13 ft·lbf)**

**26. INSTALL RADIATOR ASSEMBLY** (See page CO-21)**27. INSTALL NO.3 CYLINDER HEAD COVER****28. INSTALL AIR CLEANER ASSEMBLY****29. INSTALL AIR CLEANER INLET****30. CONNECT ACCELERATOR CABLE****31. FILL ENGINE WITH OIL****32. FILL ENGINE WITH COOLANT****33. START ENGINE AND CHECK FOR LEAK****34. RECHECK ENGINE COOLANT AND OIL LEVELS****35. INSTALL NO.1 AND NO.2 ENGINE UNDER COVERS****36. INSTALL HOOD****37. ROAD TEST**

Check abnormal noise, shock, slippage, correct shift points and smooth operation.