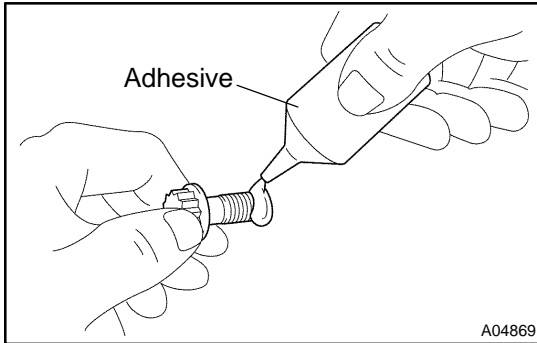


## INSTALLATION

### 1. INSTALL DRIVE PLATE

#### HINT:

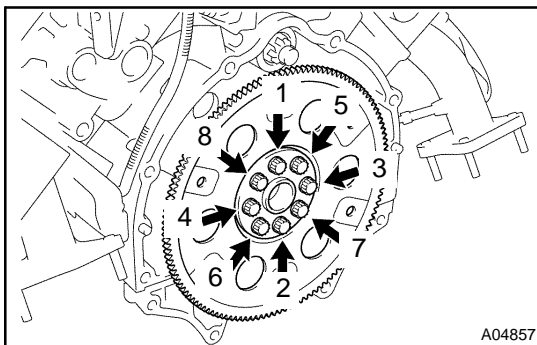
- The mounting bolts are tightened in 2 progressive steps (steps (c) and (e)).
- If any one of the mounting bolts is broken or deformed, replace it.



- (a) Apply adhesive to 2 or 3 threads of the mounting bolt end.

#### Adhesive:

**Part No. 08833-00070, THREE BOND 1324 or equivalent**

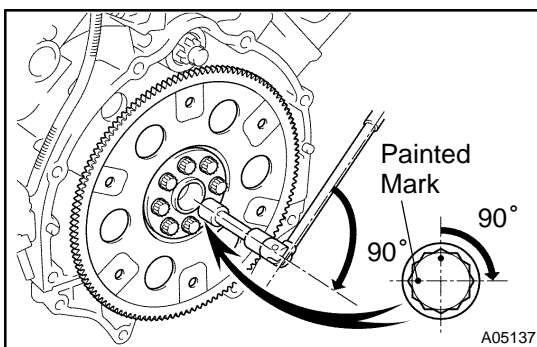


- (b) Install the front spacer, drive plate and rear spacer on the crankshaft.

- (c) Install and uniformly tighten the 8 mounting bolts in several passes, in the sequence shown.

**Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)**

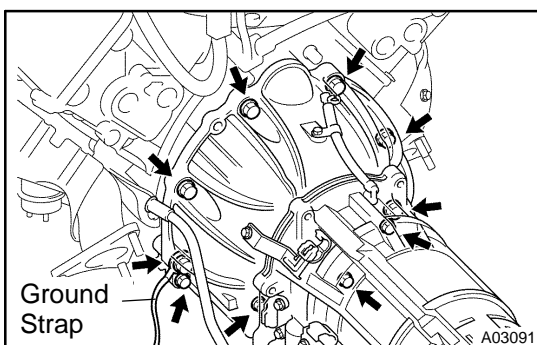
If any one of the mounting bolts does not meet the torque specification, replace the mounting bolt.



- (d) Mark the mounting bolt with paint.

- (e) Retighten the mounting bolts by 90° in the numerical order shown.

- (f) Check that the painted mark is now at a 90° angle to (e).



### 2. INSTALL TRANSMISSION TO ENGINE

- (a) Check the torque converter clutch installation (See page [AT-37](#)).

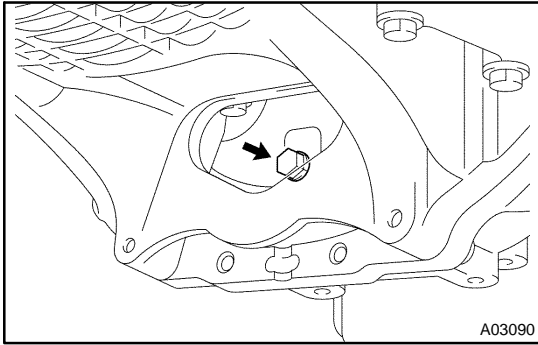
- (b) Attach the transmission to the engine.

- (c) Install the ground strap and 10 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**



### 3. INSTALL TORQUE CONVERTER CLUTCH BOLTS

- (a) Apply adhesive to 2 or 3 threads of the bolt end.

**Adhesive:**

**Part No. 08833-00070, THREE BOND 1324 or equivalent**

- (b) Hold the crankshaft pulley bolt with a wrench, and install the 6 bolts evenly.

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

**HINT:**

First install the black colored bolt, install the other bolts.

- (c) Install the flywheel housing under cover with the 2 bolts.

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

### 4. INSTALL OIL COOLER PIPE FOR TRANSMISSION

### 5. INSTALL OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION

- (a) Install a new O-ring to the dipstick guide.

- (b) Apply soapy water to the O-ring.

- (c) Connect the dipstick guide end to the dipstick tube of the oil pan.

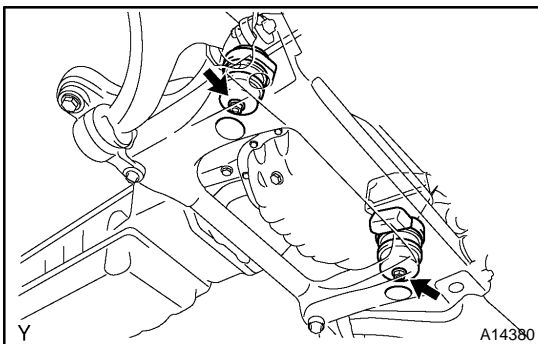
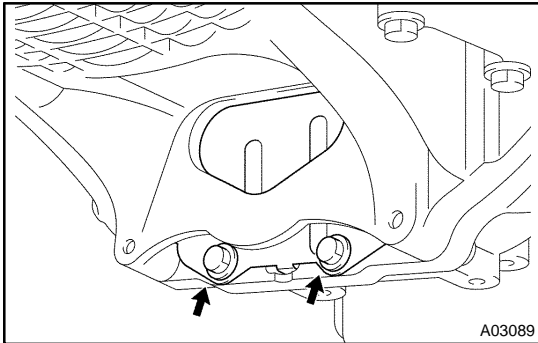
- (d) Install the dipstick guide with the bolt.

- (e) Install the dipstick.

### 6. CONNECT ENGINE WIRE TO TRANSMISSION

Connect the connectors and wire:

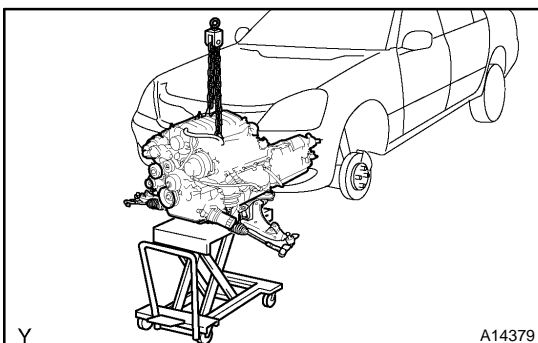
- Connect the VSV connector.
- Connect the PNP switch connector.
- Connect the solenoid connector.
- Connect the direct clutch speed sensor connector.
- Connect the 4 engine wire clamps to the bracket.



### 7. INSTALL SUSPENSION MEMBER TO ENGINE

Install the suspension member with the 4 nuts and to the engine.

**Torque: 70 N·m (714 kgf·cm, 52 ft·lbf)**



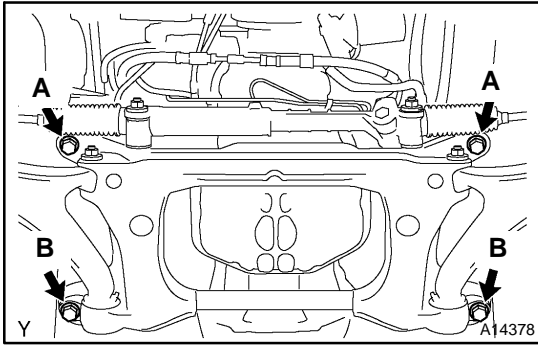
### 8. SET ENGINE JACK

**NOTICE:**

Using a chain, hold the engine tightly.

### 9. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- (a) Raise the engine into the engine compartment.

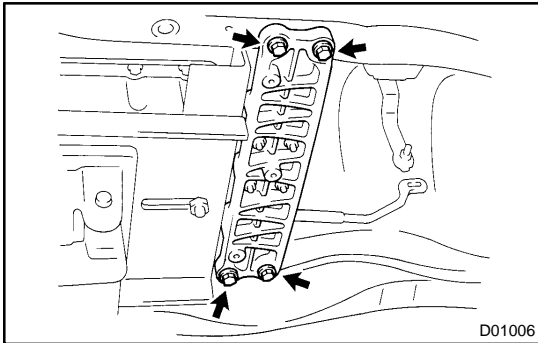


- (b) Connect the suspension member with the 4 bolts to the body.

**Torque:**

**A: 176 N·m (1,795 kgf·cm, 130 ft·lbf)**

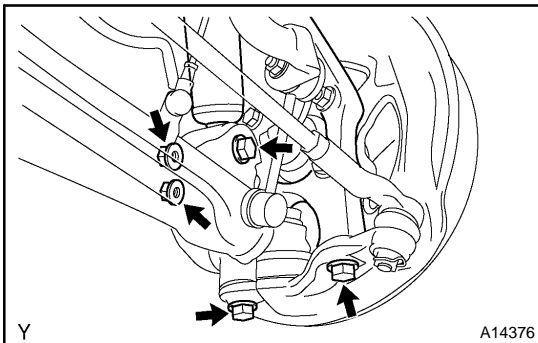
**B: 157 N·m (1,600 kgf·cm, 116 ft·lbf)**



- (c) Install the rear engine mounting with the 4 bolts.

**Torque: 22.5 N·m (260 kgf·cm, 19 ft·lbf)**

- (d) Remove the engine jack and chain.



**10. CONNECT LOWER ARM TO STEERING KNUCKLE**

Connect the lower arm to the steering knuckle with the 2 bolts.

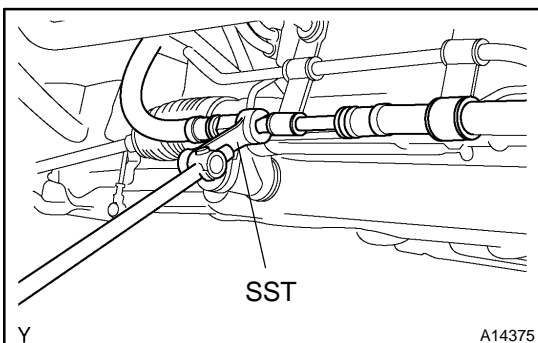
**11. CONNECT LEVEL HEIGHT SENSOR LINKAGE TO LOWER ARM**

**12. CONNECT SHOCK ABSORBER TO LOWER ARM**

Connect the shock absorber to the lower arm with the bolt and nut.

**13. INSTALL FRONT STABILIZER BAR (See page SA-51)**

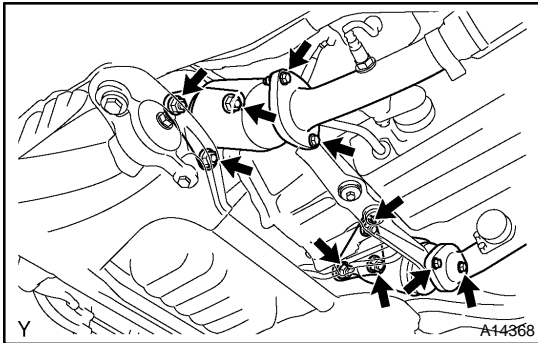
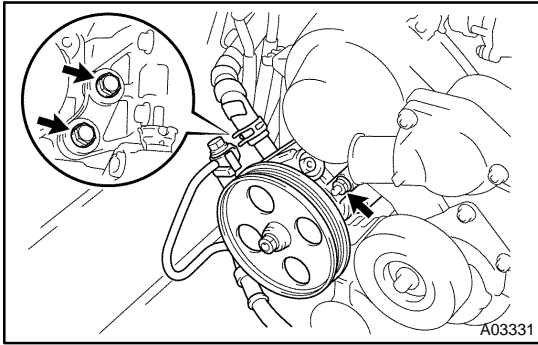
**14. CONNECT SLIDING YOKE TO INTERMEDIATE SHAFT**



**15. CONNECT PS OIL TUBE**

Using SST, connect the PS oil tube to the PS gear housing.

SST 09633-00020



## 16. INSTALL PS PUMP AND OIL RESERVOIR

- (a) Install the PS oil reservoir to the RH fender apron with the 3 bolts.
- (b) Install the PS pump to the engine with the 2 bolts and nut.

## 17. BLEED POWER STEERING SYSTEM (See page [SR-4](#))

## 18. CONNECT A/C COMPRESSOR TO ENGINE (See page [AC-57](#))

## 19. INSTALL PROPELLER SHAFT (See page [PR-9](#))

## 20. INSTALL HEAT INSULATORS

## 21. INSTALL TWC

## 22. INSTALL FRONT EXHAUST PIPE, CENTER EXHAUST PIPE AND TAIL PIPES (See page [EM-119](#))

## 23. CONNECT HEATED OXYGEN SENSORS TO FRONT EXHAUST PIPE

## 24. CONNECT ENGINE WIRE FROM ECM BOX

- (a) Connect the grommet and engine wire to the ECM box.
- (b) Connect the 5 ECM connectors and 2 wire connectors.
- (c) Install the ECM box cover.

## 25. CONNECT WIRE, CABLES AND HOSES

- Connect the 2 electric cooling fan ECU connectors.
- Connect the 2 electric cooling fan connectors.
- Connect the 2 A/T oil cooler hoses to the radiator.
- Connect the EVAP hose to the VSV for EVAP.
- Connect the PS air hose to the intake manifold.
- Connect the fuel inlet hose to the fuel main tube.
- Connect the starter cable to the battery.
- Connect the 2 ground straps to the body.
- Connect the 2 heater hoses to the water bypass pipe.
- Connect the brake booster vacuum hose to the intake manifold.

## 26. CONNECT RADIATOR UPPER HOSE TO WATER BY-PASS JOINT

## 27. CONNECT RADIATOR LOWER HOSE TO WATER IN-LET HOUSING

## 28. INSTALL DRIVE BELT (See page [CH-1](#))

## 29. INSTALL AIR CLEANER AND INTAKE AIR CONNECTOR ASSEMBLY

## 30. INSTALL AIR CLEANER INLET

## 31. FILL WITH ENGINE COOLANT

## 32. FILL WITH ENGINE OIL

## 33. START ENGINE AND CHECK FOR LEAKS

## 34. INSTALL V-BANK COVER AND ENGINE ROOM SIDE COVER

## 35. INSTALL ENGINE UNDER COVER AND OIL PAN PROTECTOR

## 36. INSTALL HOOD

## 37. PERFORM ROAD TEST

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

### 38. RECHECK ENGINE COOLANT AND OIL LEVELS