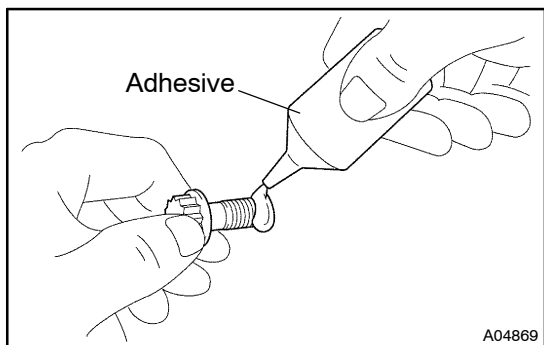


## INSTALLATION

### 1. INSTALL DRIVE PLATE

#### HINT:

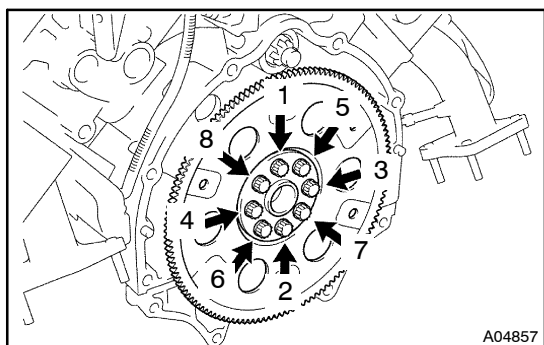
- The mounting bolts are tightened in 2 progressive steps (steps (c) and (e)).
- If any one of the mounting bolts is broken or deformed, replace it.



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

#### Adhesive:

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

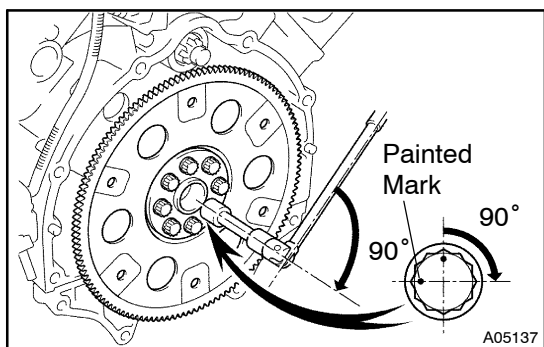


- (b) Install the front spacer, drive plate and rear spacer on the crankshaft.

- (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)**

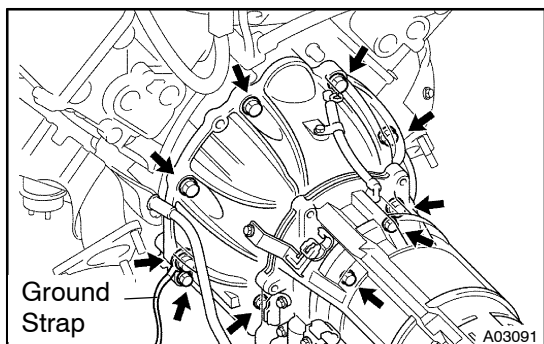
If any one of the mounting bolts does not meet the torque specification, replace the mounting bolt.



- (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-39).

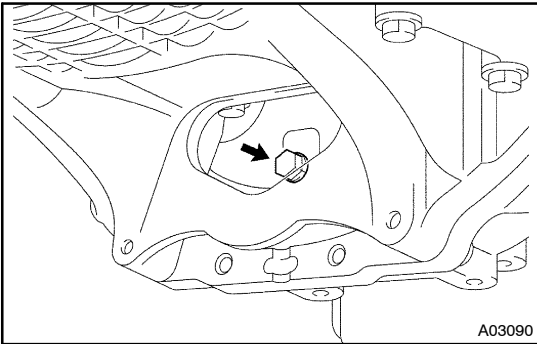
- (b) Attach the transmission to the engine.

- (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

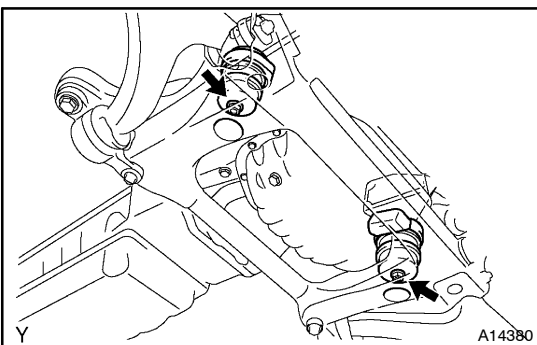
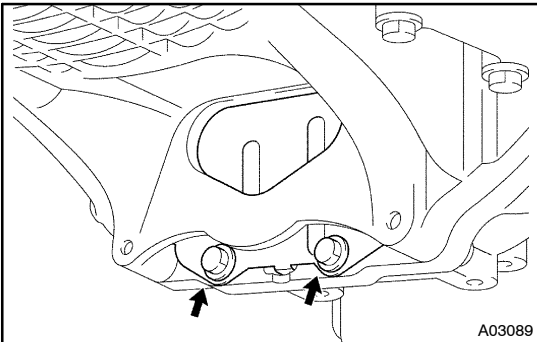
### 5. INSTALL OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION

- (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:

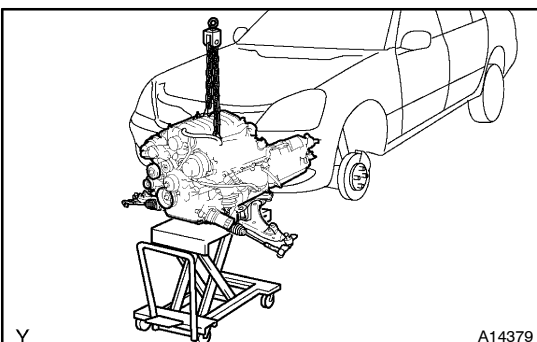
- Connect the VSV connector.
- Connect the PNP switch connector.
- Connect the solenoid connector.
- Connect the direct clutch speed sensor connector.
- Connect the 4 engine wire clamps to the bracket.



### 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)**



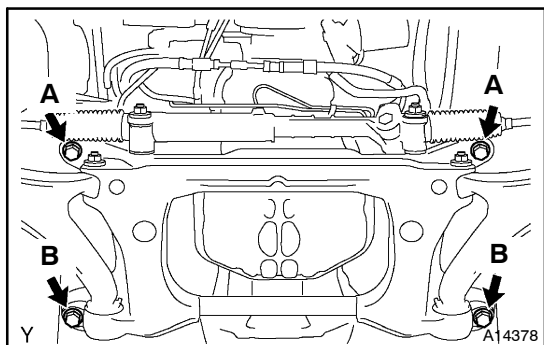
### 8. SET ENGINE JACK

**NOTICE:**

Using a chain, hold the engine tightly.

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

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

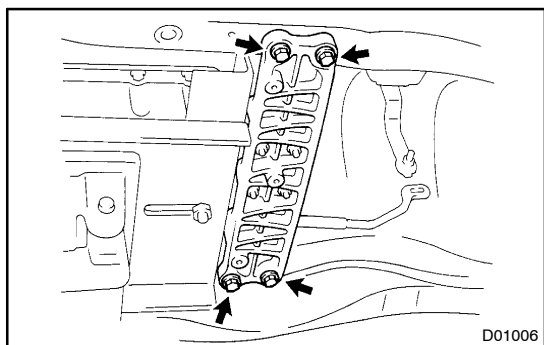


(b) Connect the suspension member with the 4 bolts to the body.

**Torque:**

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

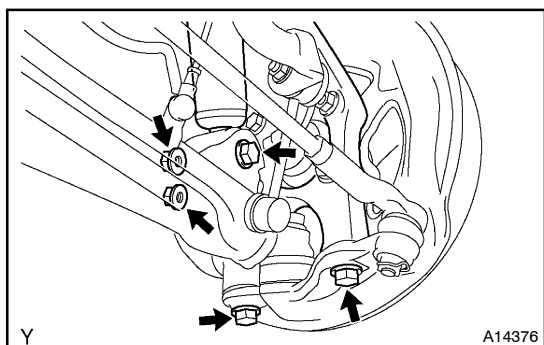
**B: 157 N·m (1,600 kgf·cm, 116 ft·lbf)**



(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.

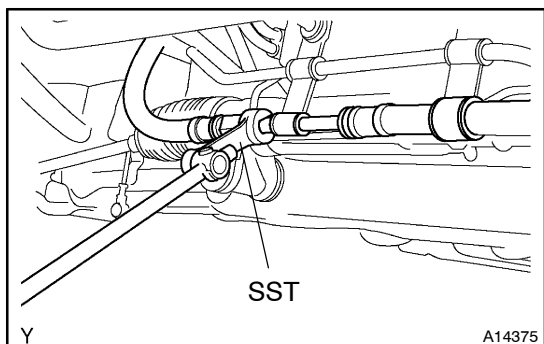
#### 11. CONNECT LEVEL HEIGHT SENSOR LINKAGE TO LOWER ARM

#### 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-49)

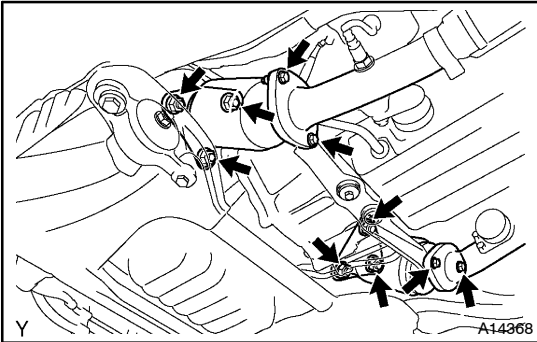
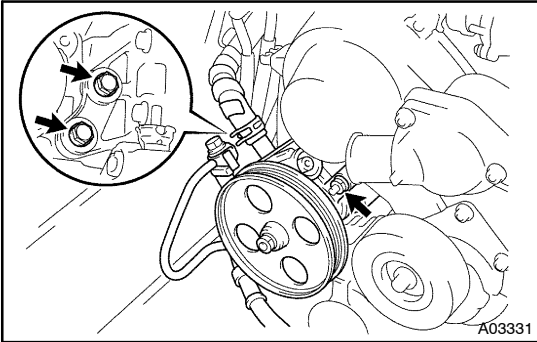
#### 14. CONNECT SLIDING YOKE TO INTERMEDIATE SHAFT



#### 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 end-er 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-58)****19. INSTALL PROPELLER SHAFT (See page PR-9)****20. INSTALL HEAT INSULATORS****21. INSTALL TWC (unleaded gasoline) OR SUB-MUFFLERS (leaded gasoline)****22. INSTALL FRONT EXHAUST PIPE, CENTER EXHAUST PIPE AND TAIL PIPES (See page EM-123)****23. Unleaded Gasoline:****CONNECT HEATED OXYGEN SENSORS TO FRONT EXHAUST PIPE****24. CONNECT ENGINE WIRE FROM ECU BOX**

- (a) Connect the grommet and engine wire to the ECU box.
- (b) Connect the 5 ECU connectors and 2 wire connectors.
- (c) Install the ECU 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 PRO-TECTOR****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**