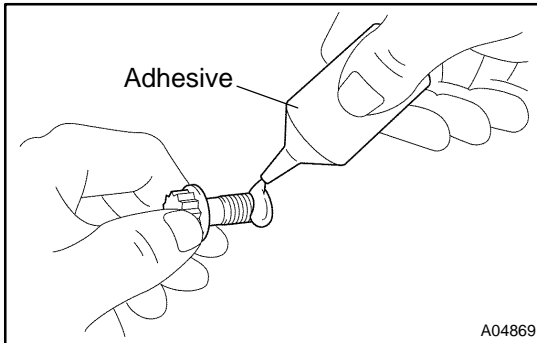


## INSTALLATION

### 1. INSTALL DRIVE PLATE

#### HINT:

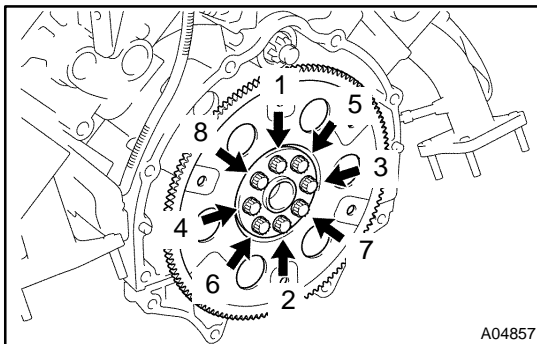
- The mounting bolts are tightened in 2 progressive steps (steps (c) and (e)).
- If any one of the mounting bolts is broken or deformed, replace it.



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

#### Adhesive:

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

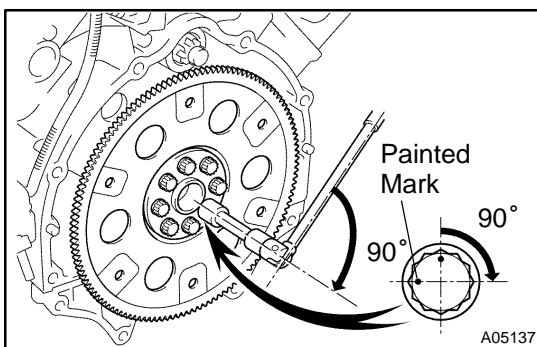


- (b) Install the front spacer, drive plate and rear spacer on the crankshaft.

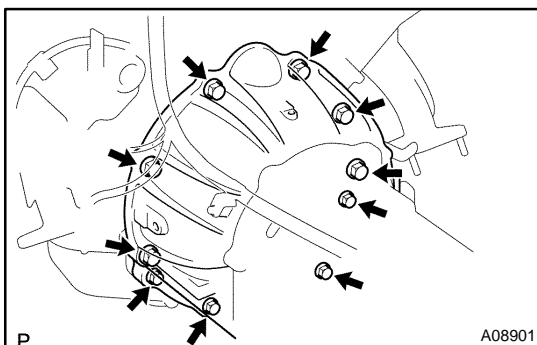
- (c) Install and uniformly tighten the 8 mounting bolts in several passes, in the sequence shown.

**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-38](#)).

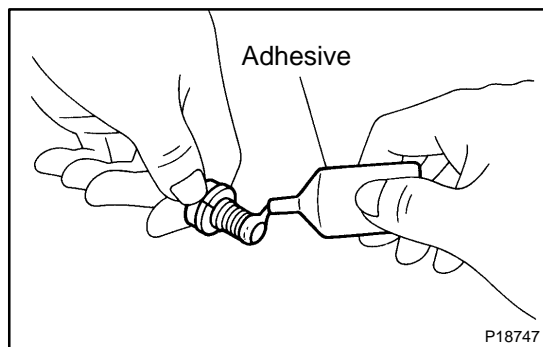
- (b) Attach the transmission to the engine.

- (c) Install the 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**

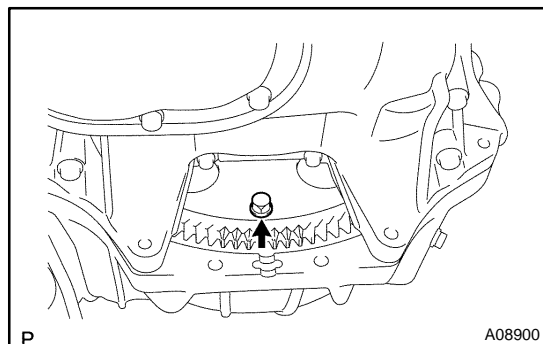


### 3. INSTALL TORQUE CONVERTER CLUTCH BOLTS

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

**Adhesive:**

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

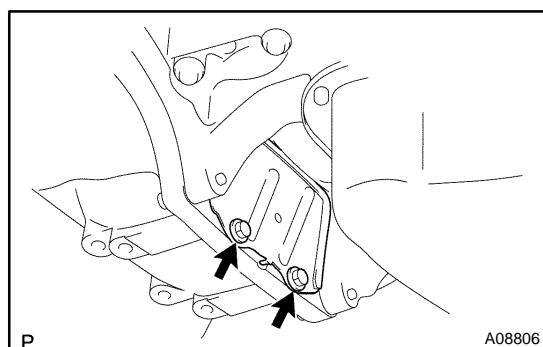


- (b) Hold the crankshaft pulley bolt with a wrench, and install the 6 bolts evenly.

**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)**

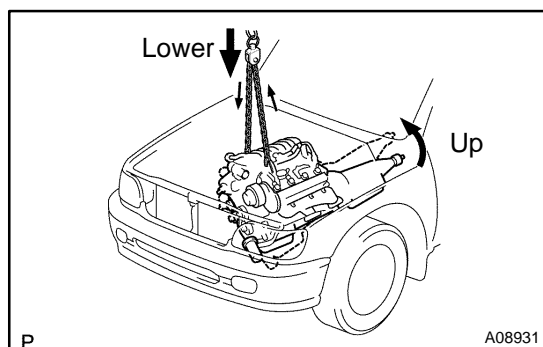
### 4. INSTALL OIL COOLER PIPE FOR TRANSMISSION

### 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.  
(f) Connect the 2 breather hoses to the dipstick guide.

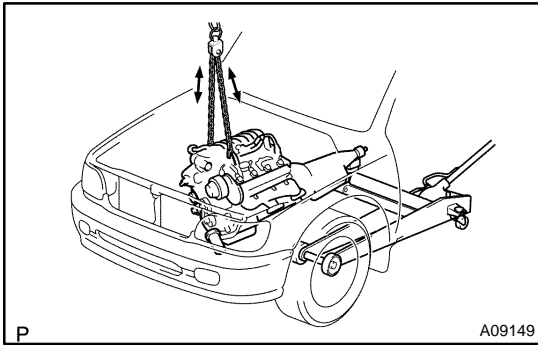
### 6. CONNECT ENGINE WIRE TO TRANSMISSION

- (a) Connect the 5 connectors.  
(b) Connect the 2 wire clamps.

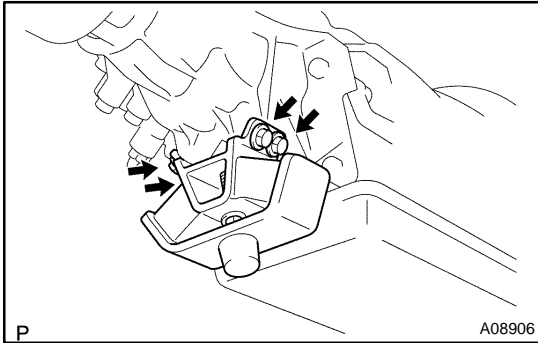


### 7. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- (a) Attach the engine chain hoist to the engine hangers.  
(b) Slowly lower the engine and transmission assembly into the engine compartment.  
(c) Attach the engine mounting brackets to the frame brackets.



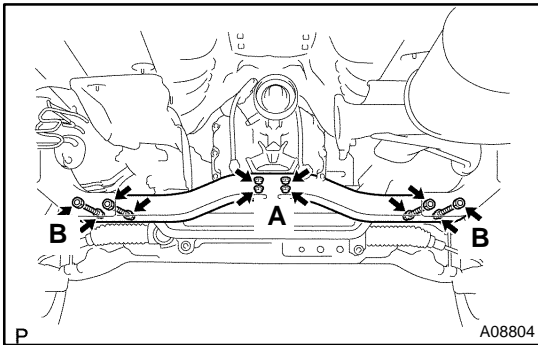
- (d) Keep the engine level with a jack.



## 8. INSTALL ENGINE REAR MOUNTING BRACKET

- (a) Install the engine rear mounting bracket to the transmission with the 4 bolts.

**Torque: 65 N·m (663 kgf·cm, 48 ft·lbf)**

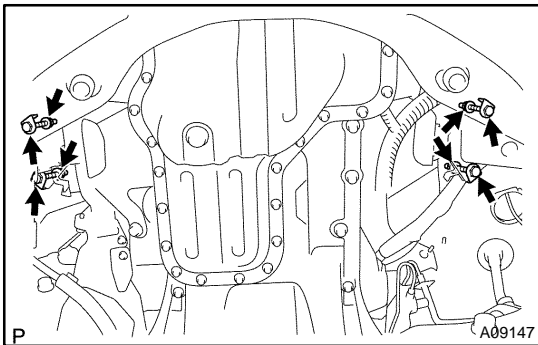


- (b) Install the frame crossmember with the 8 bolts and 4 nuts.

**Torque:**

**18 N·m (183 kgf·cm, 13 ft·lbf) for bolts (A)**

**72 N·m (730 kgf·cm, 53 ft·lbf) for nuts (B)**

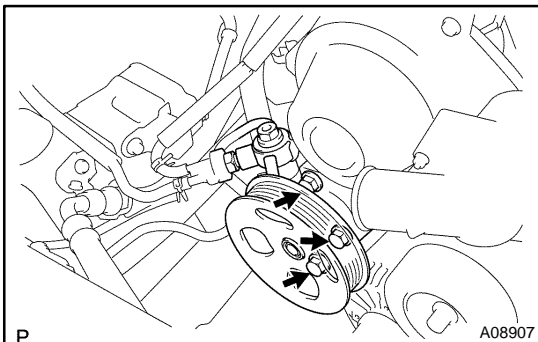


## 9. INSTALL ENGINE MOUNTING BRACKETS

- (a) Install the engine mounting brackets to the frame brackets with the 2 nuts and 4 bolts.

**Torque: 38 N·m (388 kgf·cm, 28 ft·lbf)**

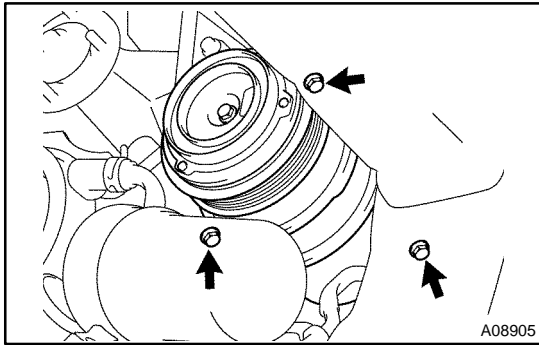
- (b) Remove the engine chain hoist.



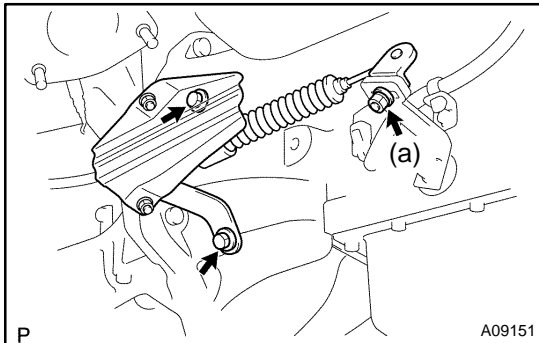
## 10. INSTALL PS PUMP

Install the PS pump with the 3 bolts.

**Torque: 17 N·m (175 kgf·cm, 13 ft·lbf)**

**11. INSTALL A/C COMPRESSOR**

- (a) Install the A/C compressor with the 3 bolts.  
**Torque: 49 N·m (500 kgf-cm, 36 ft-lbf)**
- (b) Connect the A/C compressor connector.

**12. INSTALL TRANSMISSION CONTROL CABLE**

- (a) Install the control cable to the control shift lever.  
**Torque: 13 N·m (130 kgf-cm, 9 ft-lbf)**
- (b) Install the control cable bracket to the transmission with the 2 bolts.

**13. CONNECT POWER STEERING GEAR PIPES**

Connect the pressure feed tube, turn tube and turn pressure tubes to the PS gear assembly (See page [SR-88](#)).

**14. INSTALL FRONT STABILIZER BAR**

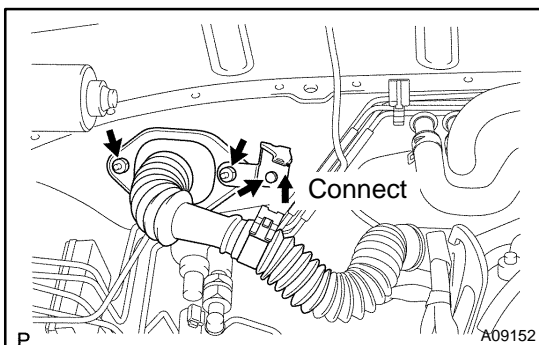
(See page [SA-91](#))

**15. INSTALL PROPELLER SHAFT (See page [PR-8](#))****16. INSTALL FRONT EXHAUST PIPES**

(See page [EM-125](#))

**17. CONNECT HOSES, WIRES, CONNECTORS, CLAMPS, GROMMET AND CABLES**

- (a) Connect the 2 PS air hoses to hose clamp on the No. 3 RH timing belt cover.
- (b) Connect the generator wire.
- (c) Connect the generator connector.
- (d) Connect the hose clamp for the PS air hose.
- (e) Connect the PS air hose to the upper intake manifold.
- (f) Connect the 2 heater hoses.
- (g) Connect the ground strap connector.
- (h) Connect the fuel inlet hose and clamps.
- (i) Connect the fuel return hose and clamp.
- (j) Connect the air inlet hose to the charcoal canister.
- (k) Connect the EVAP hose to the VSV for EVAP.
- (l) w/o Hydraulic brake booster:  
Connect the brake booster tube.

**18. CONNECT ENGINE WIRE TO CABIN**

- (a) Push into the engine wire through the cowl panel.
- (b) Install the engine wire bracket with the 2 nuts and bolt and connect the engine wire to the bracket.
- (c) Connect the 2 wire harness connectors (cassette connector).
- (d) Connect the 3 connectors to the ECM.
- (e) Install the ECM with the 3 screws.
- (f) Install the lower No. 2 panel.
- (g) Install the glove compartment door.

**19. INSTALL FAN PULLEY, FAN, FLUID COUPLING AND DRIVE BELT**

- (a) Temporarily install the fan pulley, the fan and fluid coupling assembly with the 4 nuts.
- (b) Install the drive belt (See page [CH-16](#) or [CH-28](#)).
- (c) Tighten the 4 nuts holding the fluid coupling to the fan bracket.

**20. INSTALL BATTERY CABLES**

- (a) Connect the clamp on battery negative (–) cable to No.2 relay box.
- (b) Connect the battery positive (+) terminal cable.
- (c) Connect the battery negative cable to the left fender apron.

**21. INSTALL AIR CLEANER AND INTAKE AIR CONNECTOR ASSEMBLY**

- (a) Install the air cleaner with the 3 bolt.  
**Torque: 5 N·m (51 kgf-cm, 44 in.-lbf)**
- (b) Connect the intake air connector to the throttle body.
- (c) Connect the MAF meter connector.
- (d) Install the A/C suction hose to the intake air connector.
- (e) Connect the PS air hose, air inlet hose for EVAP, PCV hose and MAF meter wire to the air intake connector.

**22. INSTALL THROTTLE BODY COVER****23. INSTALL RADIATOR ASSEMBLY (See page [CO-18](#))****24. FILL WITH ENGINE COOLANT (See page [CO-2](#))****25. FILL WITH ENGINE OIL (See page [LU-2](#))****26. START ENGINE AND CHECK FOR LEAKS****27. INSTALL ENGINE UNDER COVER****28. INSTALL HOOD****29. PERFORM ROAD TEST**

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

**30. RECHECK ENGINE COOLANT AND OIL LEVELS**