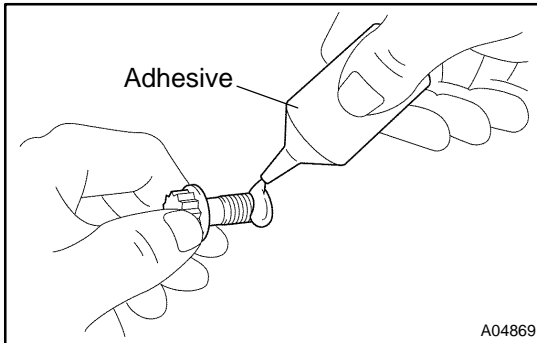


INSTALLATION

1. INSTALL DRIVE PLATE

HINT:

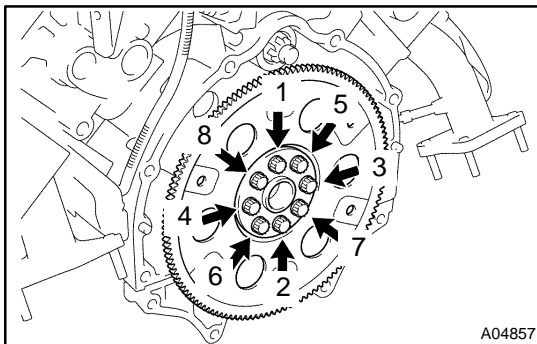
- The mounting bolts are tightened in 2 progressive steps (steps (c) and (e)).
- If any one of the mounting bolts is broken or deformed, replace it.



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

Adhesive:

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

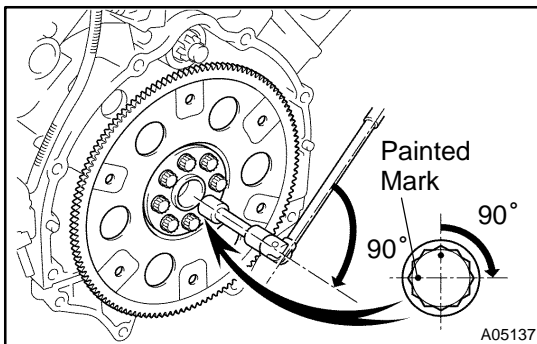


- (b) Install the front spacer, drive plate and rear spacer on the crankshaft.

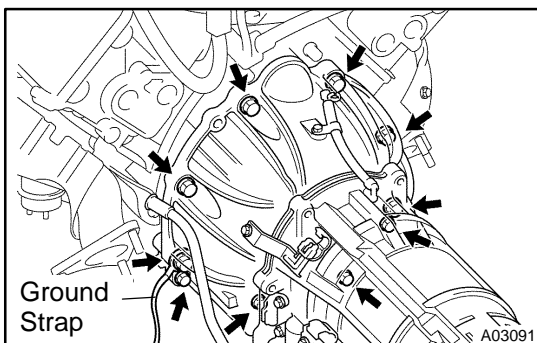
- (c) Install and uniformly tighten the 8 mounting bolts in several passes, in the sequence shown.

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](#))

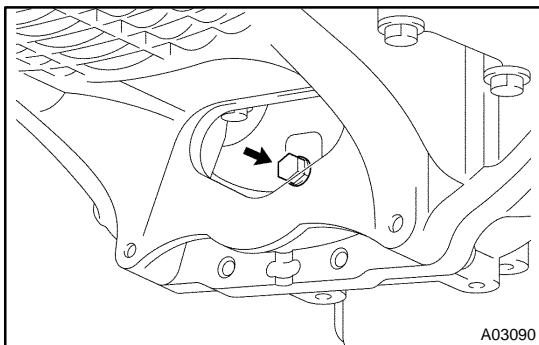
- (b) Attach the transmission to the engine.

- (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

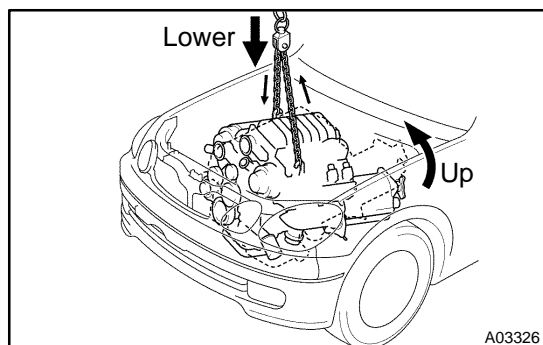
5. INSTALL OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION

- (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

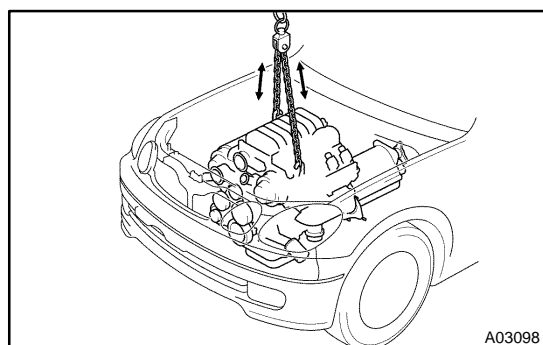
Connect the connectors and wire:

- Connect the VSV connector.
- Connect the PNP switch connector.
- Connect the solenoid connector.
- Connect the direct clutch speed sensor connector.
- Connect the engine wire to 3 wire clamps.

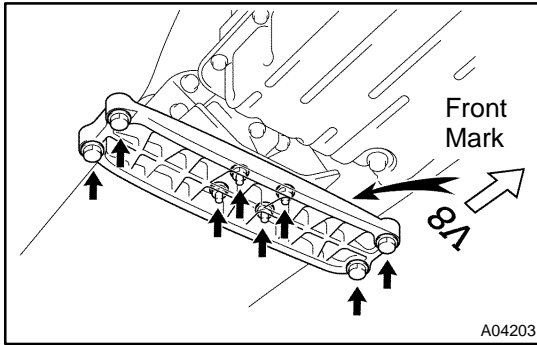


7. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- (a) Attach the engine chain hoist to the engine hangers.
 (b) Slowly lower the engine and transmission assembly into the engine compartment.
 (c) Insert the stud bolts of the front engine mounting brackets into the stud bolt holes of the front suspension crossmember.



- (d) Keep the engine level.



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

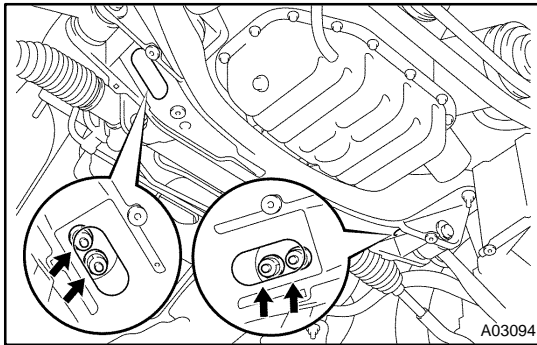
Torque:

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.

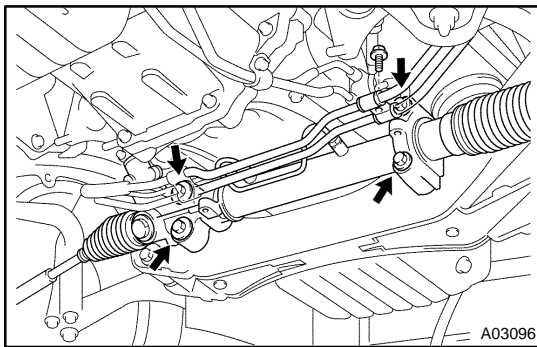


- (f) Install the 4 nuts holding the engine mounting brackets to the front suspension crossmember.

Torque: 68 N·m (700 kgf-cm, 50 ft-lbf)

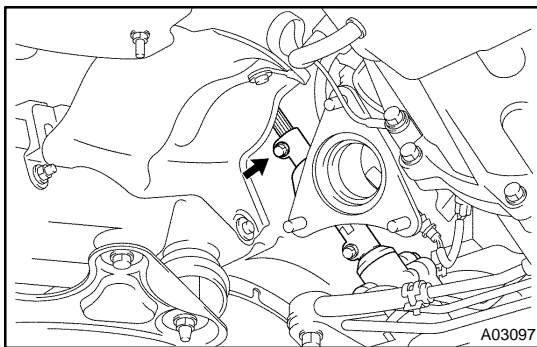
- (g) Install the 2 hole plugs.
 (h) Remove the engine chain hoist.
 (i) Install the No.1 V-bank cover bracket to the No.2 engine hanger with the nut.

8. INSTALL HEAT INSULATORS FOR FRONT SIDE OF FRONT EXHAUST PIPE



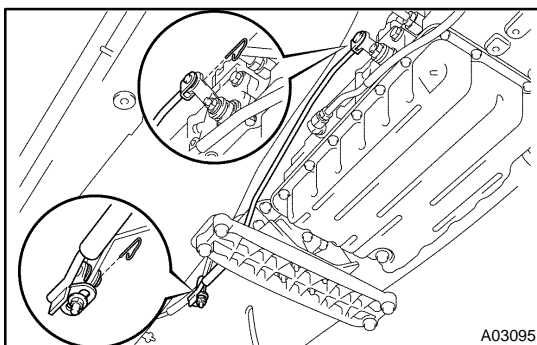
9. INSTALL PS GEAR HOUSING

- (a) Connect the sliding yoke to the steering intermediate shaft.
 (b) Install the PS gear housing with the 4 bolts.
Torque: 65 N·m (660 kgf-cm, 48 ft-lbf)
 (c) Install the 2 PS oil tube with the bolt.



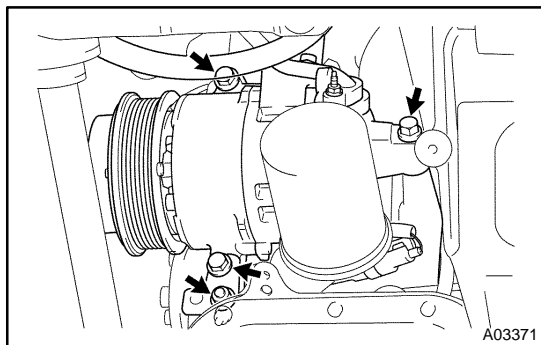
- (d) Install the bolt holding the sliding yoke to the steering intermediate shaft.

Torque: 35 N·m (360 kgf-cm, 26 ft-lbf)



10. INSTALL TRANSMISSION CONTROL ROD

Install the control rod with the 2 clips.

**11. INSTALL A/C COMPRESSOR**

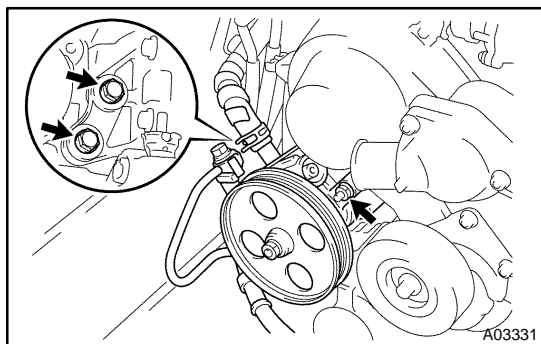
- (a) Install the A/C compressor, compressor stay and wire bracket with the 3 bolts and nut.

Torque:

49 N·m (500 kgf·cm, 36 ft·lbf) for bolt

29 N·m (300 kgf·cm, 21 ft·lbf) for nut

- (b) Connect the A/C compressor connector.
(c) Install the wire clamp.

**12. INSTALL PS PUMP**

- (a) Install the PS pump with the 2 bolts and nut. Alternately tighten the bolts and nut.

Torque:

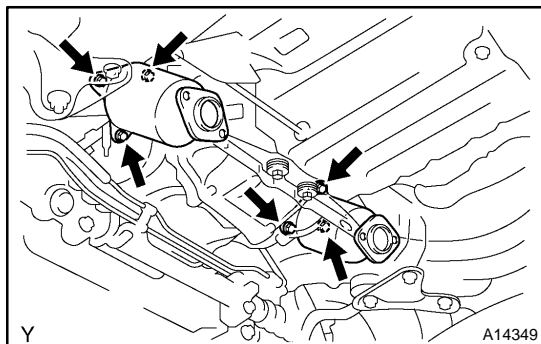
39.2 N·m (400 kgf·cm, 29 ft·lbf) for bolts

43.1 N·m (440 kgf·cm, 32 ft·lbf) for nut

- (b) Connect the PS oil pressure switch connector.
(c) Install the RH engine under cover with the 2 screws.

13. INSTALL PROPELLER SHAFT (See page PR-10)**14. INSTALL CENTER FRONT FLOOR BRACE**

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

15. INSTALL HEAT INSULATORS**16. INSTALL TWC**

Install a new gasket and the TWC with 3 new nuts. Install the 2 TWC.

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

17. INSTALL CENTER AND FRONT EXHAUST PIPE**18. INSTALL HEATED OXYGEN SENSORS**

Install the 2 oxygen sensors to the front exhaust pipe.

Torque: 44 N·m (450 kgf·cm, 32 ft·lbf)

HINT:

- Before installing the oxygen sensor, twist the sensor wire counterclockwise 3 and 1/2 turns.
- After installing the oxygen sensor, check that the sensor wire is not twisted. If it is twisted, remove the oxygen sensor and reinstall it.

19. CONNECT ENGINE WIRE TO ECM BOX

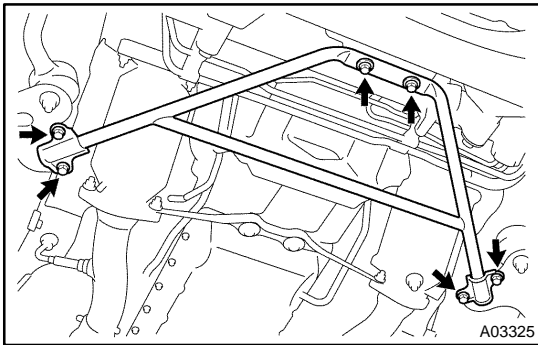
- (a) Install the engine wire grommet to the ECM box.
(b) Connect these connectors:
- Connect the 3 engine ECM connectors.
 - Connect the 4 wire harness connectors.
 - Connect the 2 junction connectors.

(c) Install these parts:

- Install the ECM hood.
- Install the ECM cover.

20. CONNECT CONNECTORS, WIRE, STRAPS, CLAMPS AND HOSES

- Connect the generator wire to generator.
- Connect the wire for generator wire to wire clamp on generator.
- Connect the ground cable to stay on generator.
- Connect the PS oil hose to No. 1 oil pan.
- Connect the 2 PS air hoses to hose clamp on No. 3 RH timing belt cover.
- Connect the hose clamp for PS air hose.
- Connect the PS air hose to upper intake manifold.
- Connect the starter cable to battery.
- Connect the ground strap to body.
- Connect the 2 heater hoses.
- Connect the fuel inlet hose (rear fuel pipe) to fuel main tube.



21. INSTALL FRONT SUSPENSION MEMBER BRACE

Install the brace with the 6 bolts.

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

22. INSTALL DRIVE BELT (See page [CH-1](#))
23. INSTALL RADIATOR ASSEMBLY (See page [CO-24](#))
24. INSTALL INTAKE AIR CONNECTOR PIPE
25. INSTALL AIR CLEANER ASSEMBLY
26. INSTALL AIR CLEANER INLET
27. FILL WITH ENGINE COOLANT
28. FILL WITH ENGINE OIL
29. START ENGINE AND CHECK FOR LEAKS
30. INSTALL V-BANK COVER
31. INSTALL ENGINE UNDER COVER
32. INSTALL HOOD
33. PERFORM ROAD TEST

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

34. RECHECK ENGINE COOLANT AND OIL LEVELS