

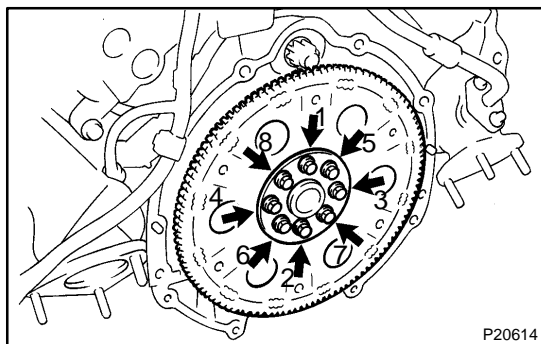
INSTALLATION

1. INSTALL DRIVE PLATE

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

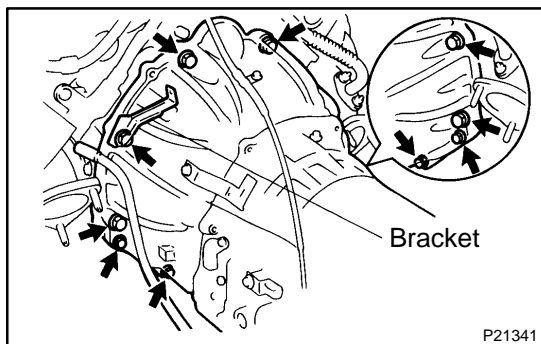
Adhesive:

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



- (b) Install the front spacer, drive plate and rear plate on the crankshaft.
(c) Install and uniformly tighten the mounting bolts in several passes, in the sequence shown.

Torque: 83 N·m (850 kgf·cm, 61 ft·lbf)



2. INSTALL TRANSMISSION TO ENGINE

- (a) Attach the transmission to the engine.
(b) Install the engine wire bracket and 10 bolts.

Torque:

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

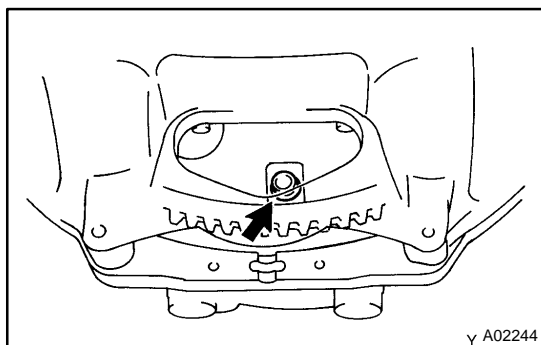
17 mm head: 72 N·m (730 kgf·cm, 53 ft·lbf)

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: 41 N·m (420 kgf·cm, 30 ft·lbf)

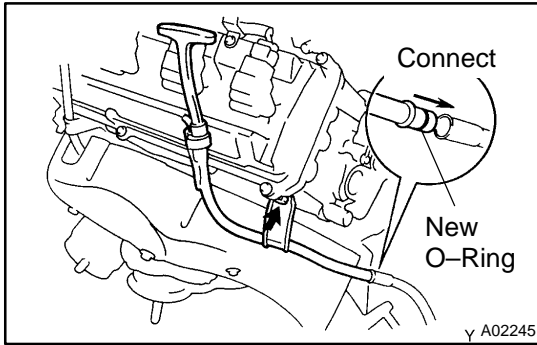
HINT:

First install the dark green colored bolt, install the other bolts.

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

Torque: 18.5 N·m (185 kgf·cm, 14 ft·lbf)

4. INSTALL OIL COOLER PIPE FOR TRANSMISSION

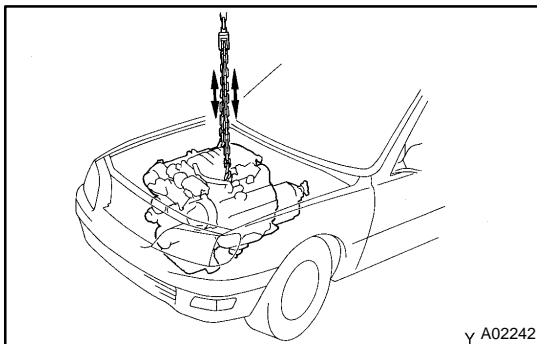


5. INSTALL OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION

- Install a new O-ring to the dipstick guide.
- Apply soapy water to the O-ring.
- Connect the dipstick guide end to the dipstick tube of the oil pan.
- Install the dipstick guide with the bolt.
- Install the dipstick.

6. CONNECT ENGINE WIRE TO TRANSMISSION

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



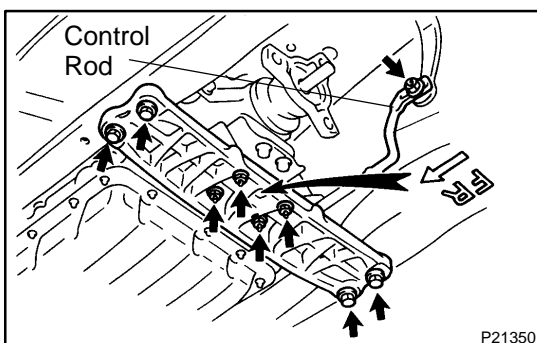
7. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- Attach the engine chain hoist to the engine hangers.
- Slowly lower the engine and transmission assembly into the engine compartment.

NOTICE:

Be careful not to hit the PS gear housing and PNP switch.

- Insert the stud bolts of the front engine mounting brackets into the stud bolt holes of the front suspension crossmember.
- Keep the engine level.



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

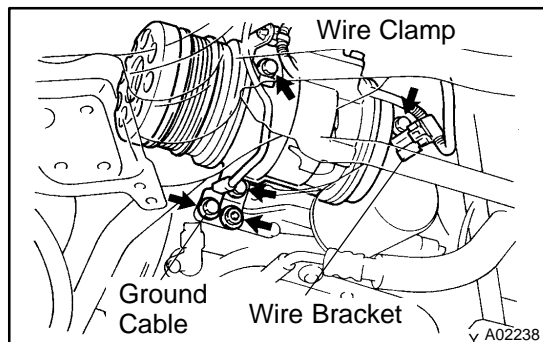
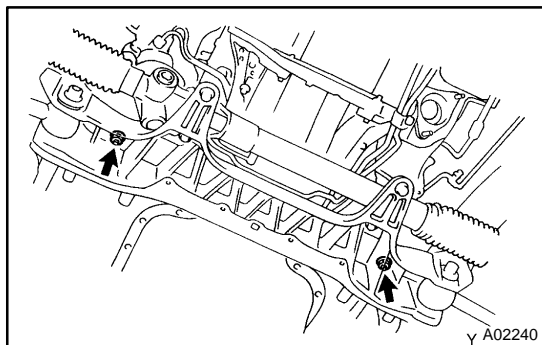
Torque:

Bolt: 25 N·m (250 kgf·cm, 19 ft·lbf)

Nut : 13.5 N·m (135 kgf·cm, 10 ft·lbf)

NOTICE:

Be careful of installation direction.



- (f) Connect the transmission control rod to the shift lever with the nut.

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

- (g) Install the 2 nuts holding the engine mounting brackets to the front suspension crossmember.

Torque: 70 N·m (700 kgf·cm, 52 ft·lbf)

- (h) Remove the engine chain hoist.
(i) Install the heater water valve with the 2 nuts.

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

9. INSTALL A/C COMPRESSOR

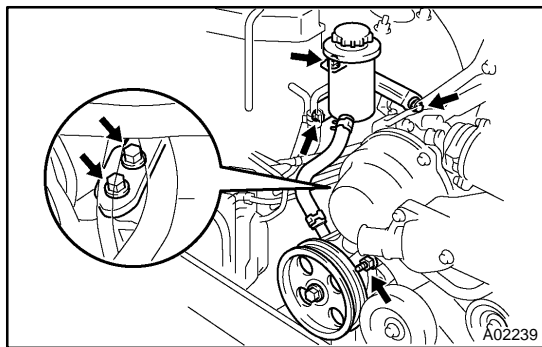
- (a) Install the A/C compressor, compressor stay and wire bracket with the 3 bolts and nut.

Torque:

Bolt: 49 N·m (500 kgf·cm, 36 ft·lbf)

Nut : 29 N·m (300 kgf·cm, 22 ft·lbf)

- (b) Connect the ground cable to the compressor stay with the bolt.
(c) Install the wire clamp to the bracket on the A/C compressor.
(d) Connect the A/C compressor connector.



10. INSTALL PS PUMP AND OIL RESERVOIR

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

Torque:

Bolt: 39 N·m (400 kgf·cm, 29 ft·lbf)

Nut : 43 N·m (440 kgf·cm, 32 ft·lbf)

- (b) Install the PS oil reservoir with the 3 bolts.

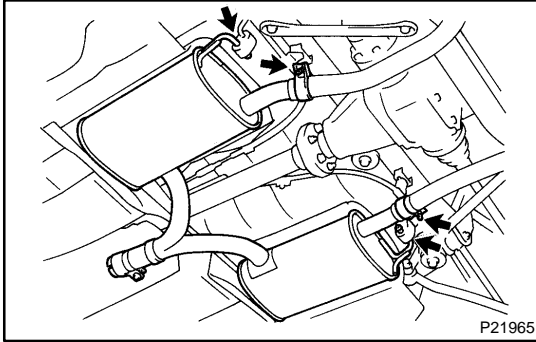
11. INSTALL ABS ACTUATOR

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

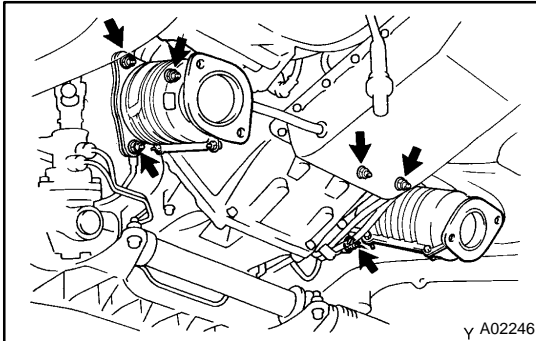
13. INSTALL FRONT CENTER FLOOR CROSSMEMBER BRACE

Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

14. INSTALL HEAT INSULATOR FOR REAR SIDE OF FRONT EXHAUST PIPE

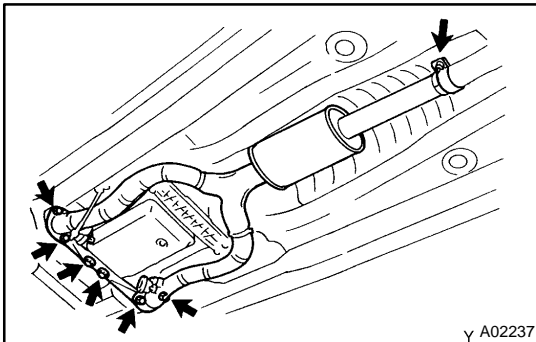
**15. INSTALL CENTER EXHAUST PIPE**

- (a) Install 2 new gaskets.
- (b) Install the center exhaust pipe to the rings on the body brackets.
- (c) Connect the center exhaust pipe to the tailpipes.
(See page [EM-120](#))

**16. INSTALL TWC**

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

Torque: 61.8 N·m (630 kgf·cm, 46 ft·lbf)

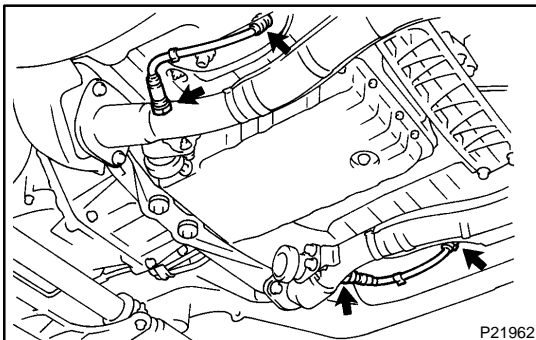
**17. INSTALL FRONT EXHAUST PIPE**

- (a) Temporarily install the pipe support bracket with the 2 bolts.
- (b) Install 2 new gaskets to the rear end of the TWC.
- (c) Install a new gasket to the rear of the front exhaust pipe.
- (d) Temporarily connect the front exhaust pipe to the center exhaust pipe.
- (e) Install the front exhaust pipe to the TWC and pipe support bracket with 4 new nuts and the 4 bolts.

Torque: 43.1 N·m (440 kgf·cm, 32 ft·lbf)

- (f) Tighten the clamp bolt holding the front exhaust pipe to the center exhaust pipe. (See page [EM-120](#))
- (g) Tighten the 4 bolts holding the pipe support bracket to the transmission.

Torque: 43.1 N·m (440 kgf·cm, 32 ft·lbf)

**18. INSTALL HEATED OXYGEN SENSORS**

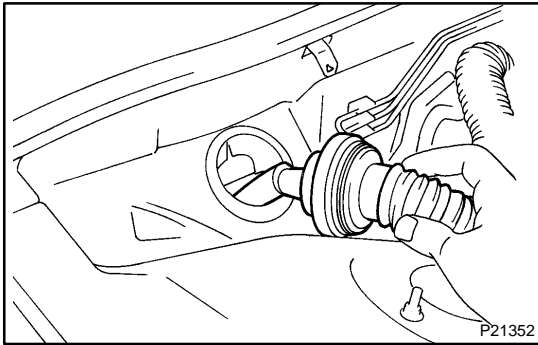
Install the 2 oxygen sensors to the front exhaust pipe.

Torque: 44 N·m (450 kgf·cm, 33 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. INSTALL PS OIL COOLER PIPE



20. CONNECT ENGINE WIRE TO CABIN

- (a) Push in the engine wire through the cowl panel. Install the grommet.
- (b) Connect the 3 ECM connectors.
- (c) Connect the cowl wire connector to the connector on the bracket.
- (d) Connect the engine wire clamp to the bracket.
- (e) Install the glove compartment.
- (f) Install the under cover.

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

- (a) Connect the engine oil level sensor connector.
- (b) Connect the generator connector.
- (c) Connect the generator wire.
- (d) Connect the engine wire clamp to the bracket on the generator.
- (e) Connect the ground strap to the RH engine mounting bracket.
- (f) Connect the ground strap to under of the LH fender apron.
- (g) Connect the engine wire clamp to the bracket on the cowl panel.
- (h) Connect the radiator reservoir hose to the water bypass pipe.
- (i) Connect the brake booster vacuum hose to the intake manifold.
- (j) Connect the heater hose to the heater water valve.
- (k) Connect the heater hose to the water bypass pipe.
- (l) Connect the fuel inlet hose to the fuel inlet pipe.
(See page [SF-23](#))
- (m) Connect the PS air hose to the intake manifold.
- (n) Connect the 2 EVAP hoses to the pipes (from the charcoal canister).
- (o) Connect the oil pressure switch connector.

22. INSTALL V-BANK COVER BRACKETS TO ENGINE HANGERS

23. INSTALL RADIATOR ASSEMBLY (See page [CO-27](#))

24. INSTALL BATTERY

25. CONNECT ACCELERATOR CABLES TO THROTTLE BODY

26. INSTALL FAN PULLEY, FAN, FLUID COUPLING AND DRIVE BELT (See page [EM-22](#))

27. INSTALL AIR CLEANER AND INTAKE AIR CONNECTOR ASSEMBLY

28. INSTALL AIR CLEANER INLET

29. INSTALL BATTERY CLAMP COVER

30. FILL WITH ENGINE COOLANT

31. FILL WITH ENGINE OIL

32. START ENGINE AND CHECK FOR LEAKS

- 33. INSTALL ENGINE MOUNT MEMBER BRACKET PLATE**
- 34. INSTALL LOWER FRONT SUSPENSION MEMBER PROTECTOR**
- 35. INSTALL V-BANK COVER**
- 36. INSTALL ENGINE UNDER COVER**
- 37. INSTALL OIL PAN PROTECTOR**
- 38. INSTALL HOOD**
- 39. PERFORM ROAD TEST**
Check for abnormal noise, shock, slippage, correct shift points and smooth operation.
- 40. RECHECK ENGINE COOLANT AND OIL LEVELS**