

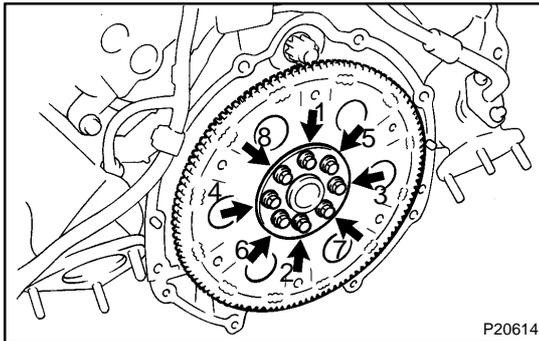
INSTALLATION

1. INSTALL DRIVE PLATE

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

Adhesive:

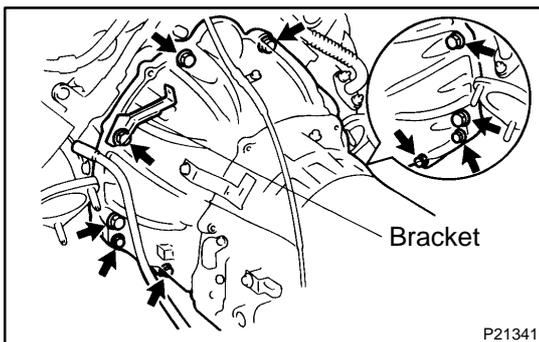
**Part No. 08833-00070, THREE BOND 1324
or equivalent**



- (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)

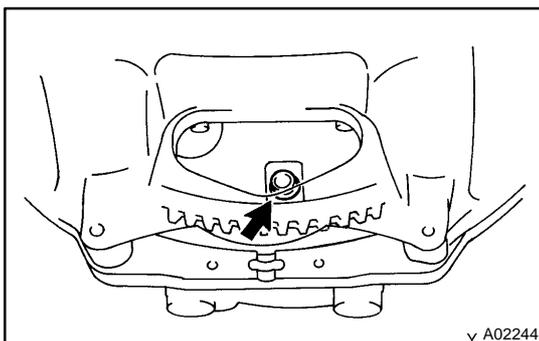
17 mm head: 72 N·m (730 kgf·cm, 53 ft·lbf)

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)

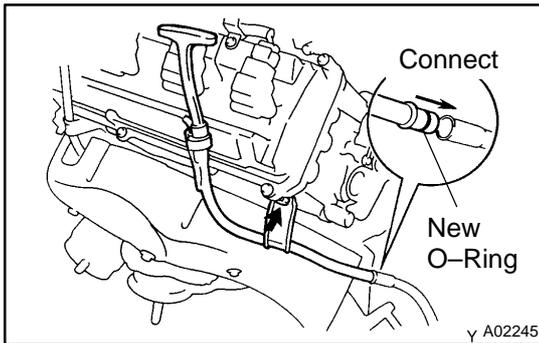
HINT:

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

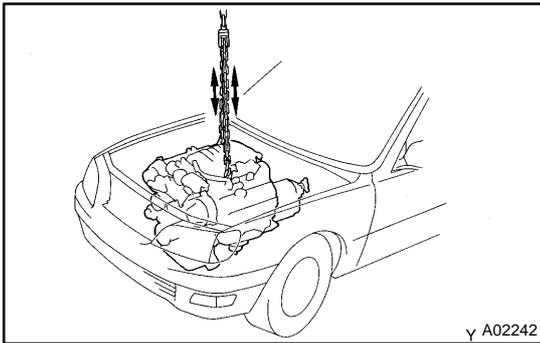


5. INSTALL OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION

- 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.



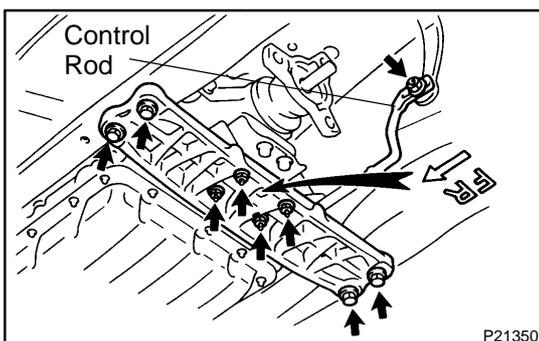
7. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- 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.

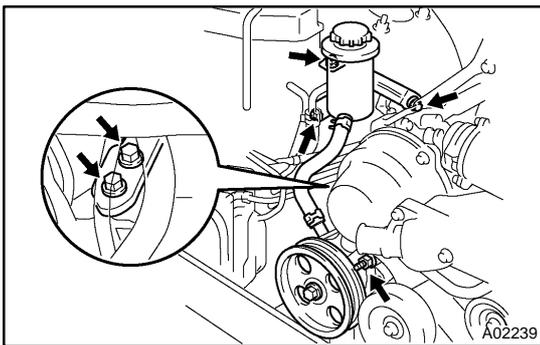
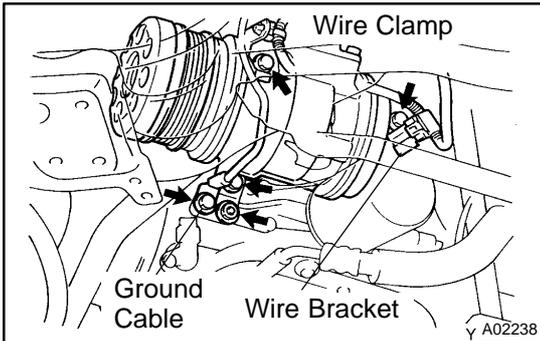
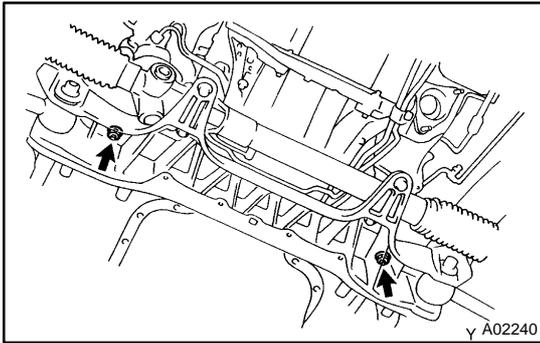
Torque:

Bolt: 25 N·m (250 kgf·cm, 19 ft·lbf)

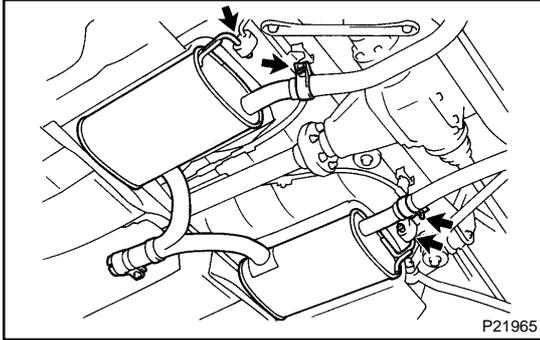
Nut : 13.5 N·m (135 kgf·cm, 10 ft·lbf)

NOTICE:

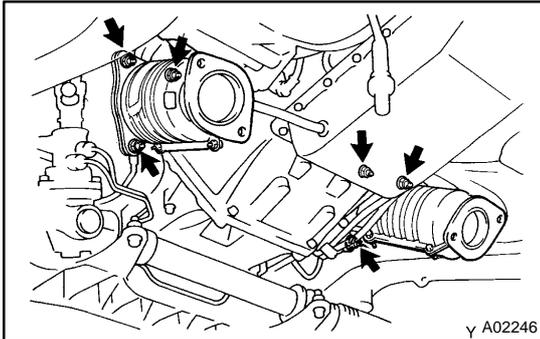
Be careful of installation direction.



- (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**

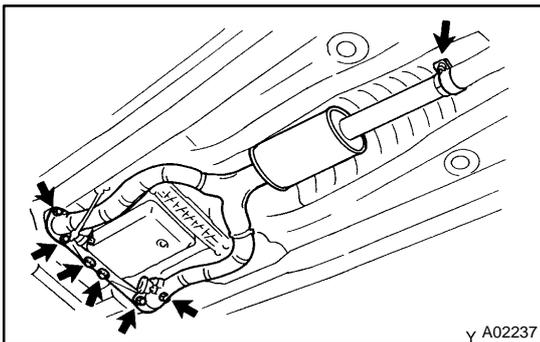
**15. INSTALL CENTER EXHAUST PIPE**

- (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**

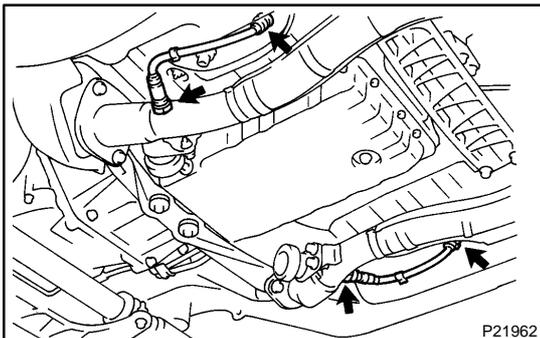
Install a new gasket and the TWC with 3 new nuts. Install the 2 TWC.

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**

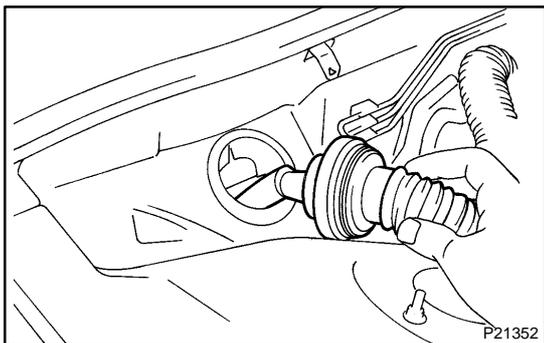
Install the 2 oxygen sensors to the front exhaust pipe.

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**