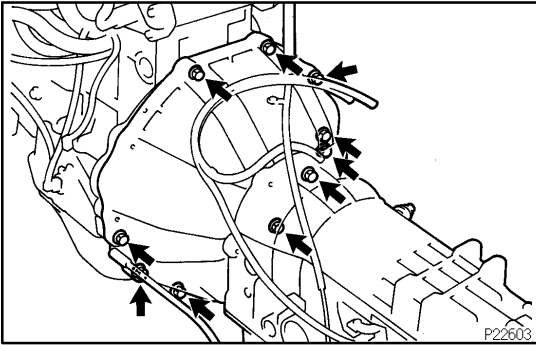


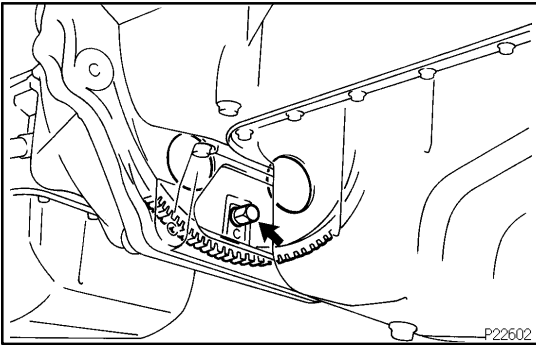


INSTALLATION

1. INSTALL TRANSMISSION TO ENGINE

Install the transmission with the 7 bolts.

Torque: 72 N·m (730 kgf·cm, 53 ft·lbf)



2. INSTALL TORQUE CONVERTER CLUTCH BOLTS

(a) Install the 6 bolts by turning the crankshaft.

Torque: 55 N·m (550 kgf·cm, 41 ft·lbf)

HINT:

First install the green colored bolt and then the remaining 5 bolts.

(b) Install the hole plug.

3. CONNECT THROTTLE CABLE TO THROTTLE BODY

4. INSTALL A/T OIL COOLER PIPES

(a) Temporarily install the 3 bolts.

(b) Connect the 2 oil cooler pipes to the unions on the transmission. Tighten the union nuts.

Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

(c) Tighten the 3 clamp bolts.

5. INSTALL STARTER

(a) Install the starter with the 2 bolts.

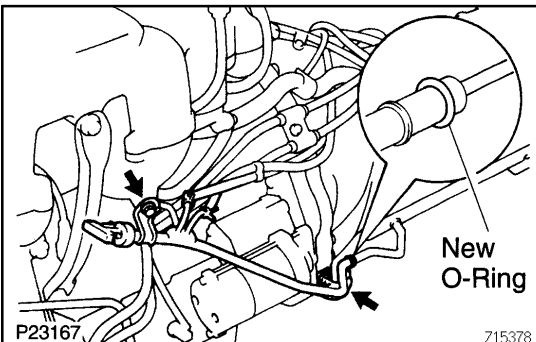
Torque: 39 N·m (400 kgf·cm, 29 ft·lbf)

(b) Connect the starter connector.

6. CONNECT ENGINE WIRE TO TRANSMISSION

(a) Connect the 2 connectors from the transmission.

(b) Connect the PNP switch connector.



7. INSTALL OIL DIPSTICK AND GUIDE

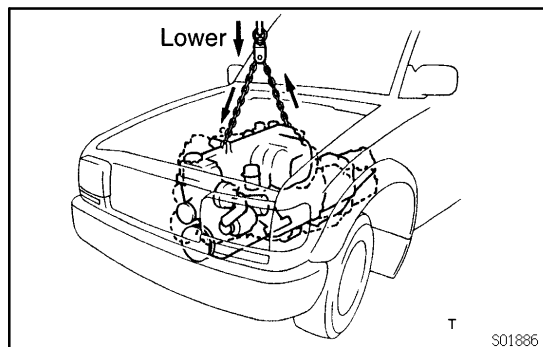
(a) Install a new O-ring to the dipstick guide.

(b) Apply a light coat of ATF to the O-ring.

(c) Connect the dipstick guide end to the tube of the oil pan, and install the dipstick guide with the 2 bolts.

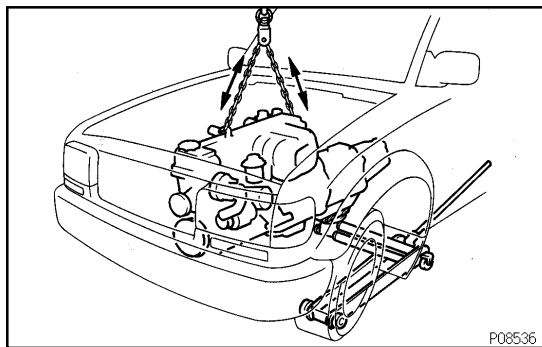
(d) Install the dipstick.

(e) Connect the 2 breather hoses.

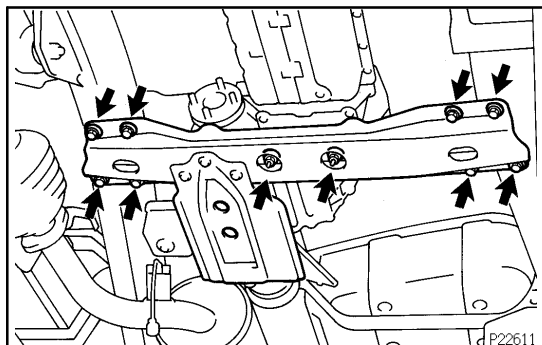


8. INSTALL ENGINE AND TRANSMISSION ASSEMBLY IN VEHICLE

- (a) Attach the engine hoist chain to the engine hangers.
- (b) Lower the engine and transmission assembly into the engine compartment.



- (c) Insert the stud bolts of the LH and RH front engine mounting insulators into the stud bolt holes of the frame.
- (d) Temporarily install the 2 nuts holding the LH and RH front engine mounting insulators to the frame crossmember.
- (e) Keep the engine level with a jack.
- (f) Remove the hoist chain.

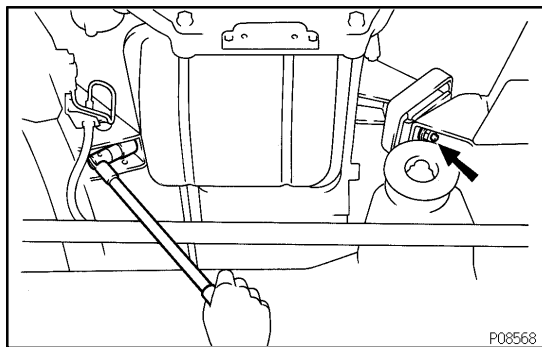


9. INSTALL FRAME CROSSMEMBER

- (a) Temporarily install the crossmember to the engine rear mounting insulator with the 2 nuts.
- (b) Install the 8 bolts holding the crossmember to the frame.
- (c) Tighten the 2 nuts holding the crossmember to the engine rear mounting insulator.

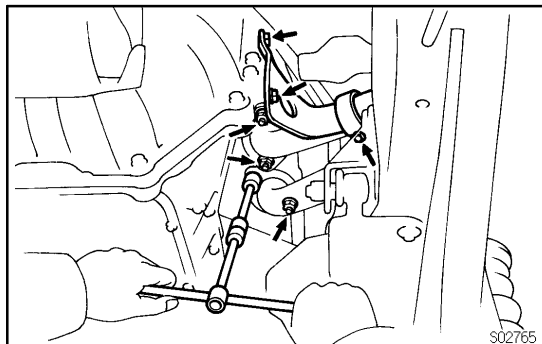
Torque: 61 N·m (620 kgf·cm, 45 ft·lbf)

Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)



10. TIGHTEN NUTS HOLDING LH AND RH FRONT ENGINE MOUNTING INSULATORS TO FRAME

Torque: 74 N·m (750 kgf·cm, 54 ft·lbf)



11. INSTALL FRONT EXHAUST PIPE

- (a) Install 2 new gaskets and the front exhaust pipe with the 4 nuts.

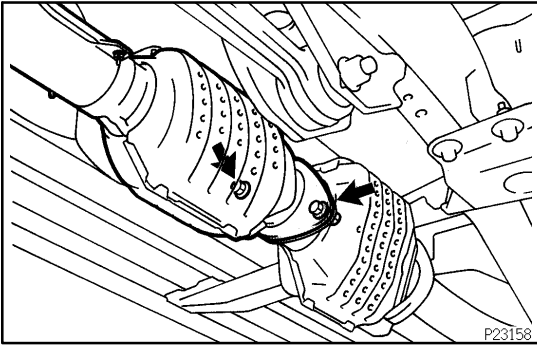
Torque: 63 N·m (630 kgf·cm, 46 ft·lbf)

- (b) Install the No.1 support bracket with the 2 bolts.

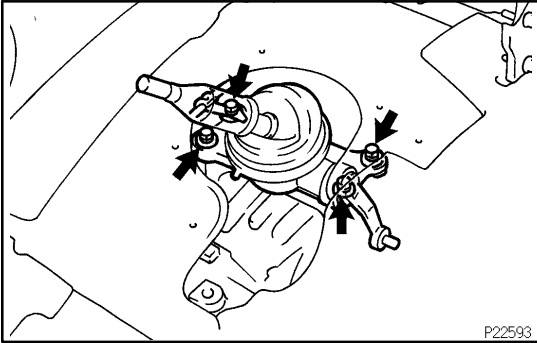
Torque: 24 N·m (240 kgf·cm, 17 ft·lbf)

- (c) Connect the clamp, and tighten the clamp bolt.

Torque: 19.5 N·m (195 kgf·cm, 14 ft·lbf)

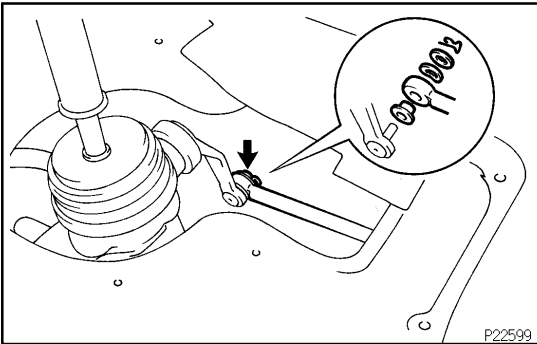


- (d) Connect the front exhaust pipe to the rear TWC with a new gasket, 2 bolts and 2 nuts.
Torque: 46 N·m (470 kgf·cm, 34 ft·lbf)

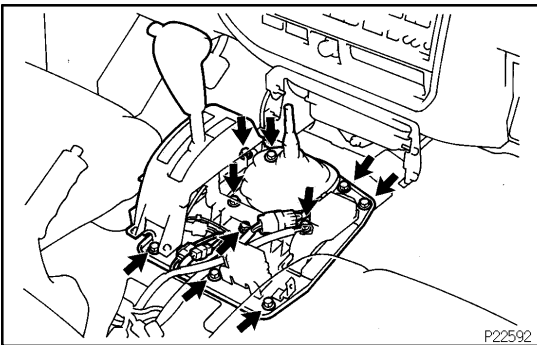


12. INSTALL TRANSFER SHIFT LEVER

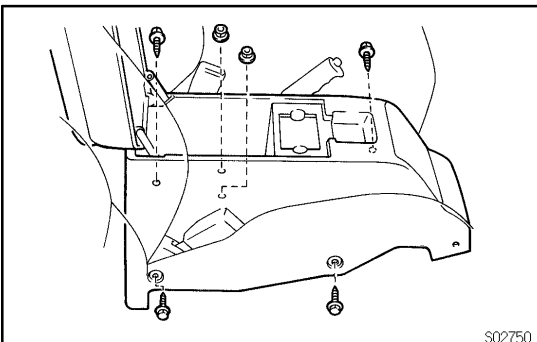
- (a) Install the shift lever and hose clamp with the 4 bolts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)



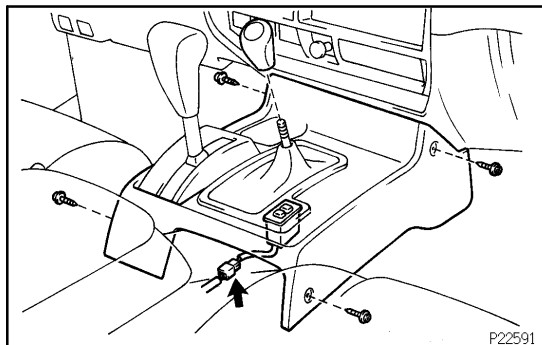
- (b) Connect the shift rod and install the pin.



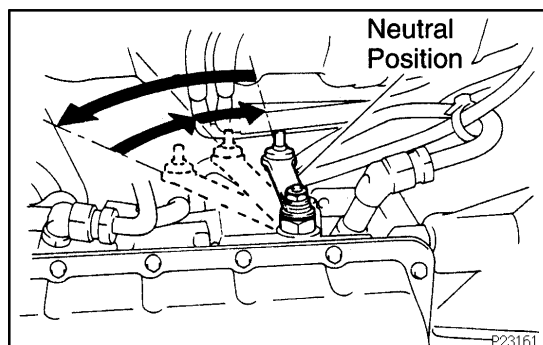
- (c) Install the transfer shift lever boot and transmission shift lever assembly with the 10 bolts.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
 (d) Connect the 3 connectors to the transmission shift lever assembly.



- (e) Install the console box with the 4 screws and 2 nuts.



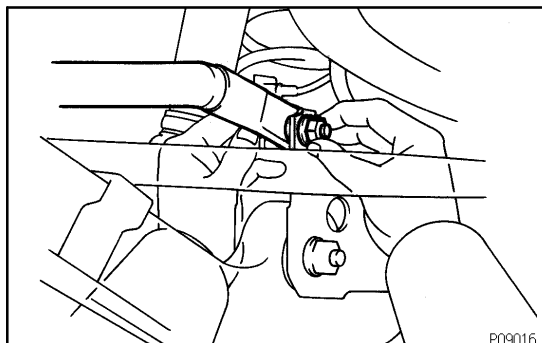
- (f) Connect the pattern select switch connector.
- (g) Install the console with the 4 screws.
- (h) Install the transfer shift lever knob.



- (i) Shift the shift lever to N position.
- (j) Fully turn the control shaft lever back and return 2 notches. It is now in neutral position.
- (k) Connect the transmission control rod with the nut.

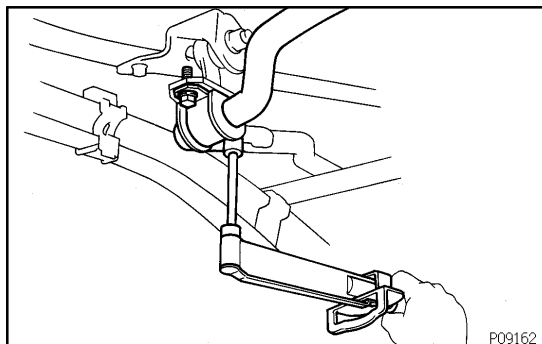
Torque: 13 N·m (130 kgf·cm, 9 ft·lbf)

13. INSTALL FRONT AND REAR PROPELLER SHAFTS (See page [PR-5](#))



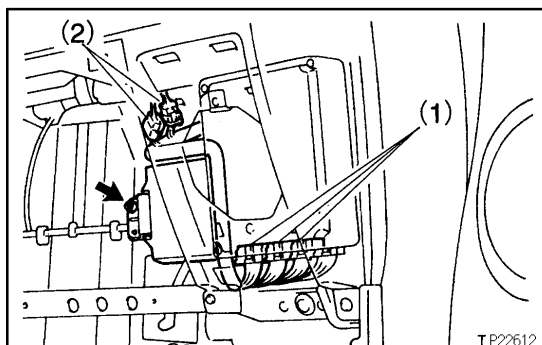
14. INSTALL STABILIZER BAR

- (a) Temporarily install the stabilizer bar to the axle housing with the bolt and nut.



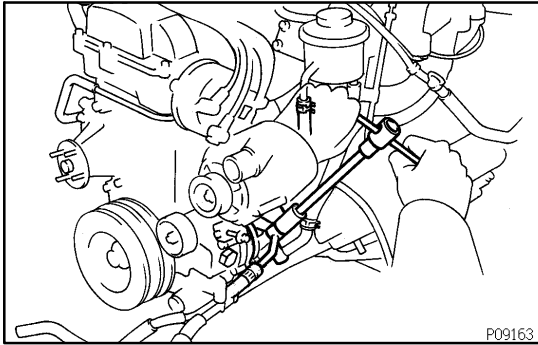
- (b) Install the stabilizer bar with the bracket and 2 bolts.
- Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**
- (c) Bounce the vehicle up and down to stabilize the suspension.
- (d) Torque the bolt and nut holding the stabilizer bar to the axle housing.

Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)



15. CONNECT ENGINE WIRE TO CABIN

- (a) Push in the engine wire through the cowl panel.
- (b) Connect these connectors:
 - (1) 3 connectors to ECM
 - (2) 2 connectors to cowl wire
- (c) Connect the A/C amplifier with the screw.
- (d) Install the speaker panel with the screw.
- (e) Install the glove compartment door with the 2 screws.

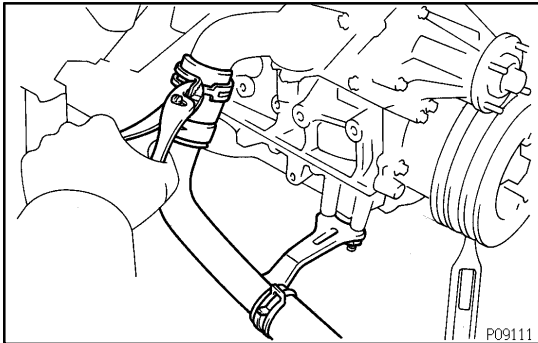
**16. CONNECT PS RETURN HOSE**

Connect the return hose to the PS reservoir.

17. CONNECT PS PRESSURE HOSE

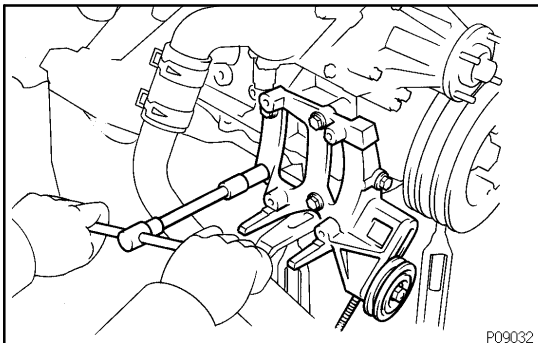
Connect the PS pressure hose with 2 new gaskets and the union bolt.

Torque: 56 N·m (575 kgf·cm, 42 ft·lbf)

**18. INSTALL RADIATOR PIPE**

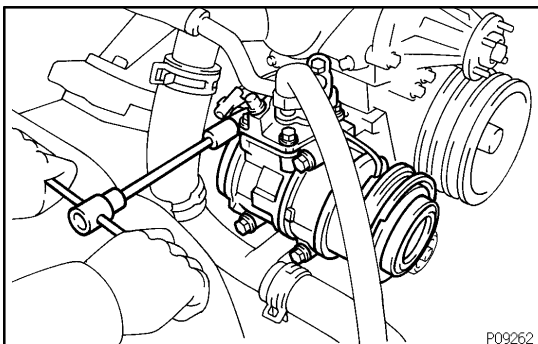
- (a) Connect the No.2 radiator hose to the water inlet.
- (b) Install the 2 nuts holding the radiator pipe to the No.1 oil pan.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

**19. INSTALL A/C COMPRESSOR AND BRACKET**

- (a) Install the A/C compressor bracket with the 5 bolts.

Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)



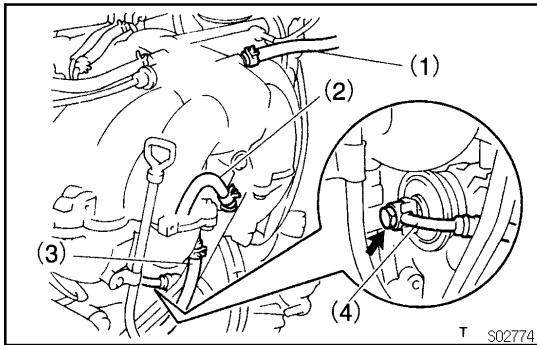
- (b) Install the A/C compressor with the 4 bolts.
- (c) Install and adjust the drive belt (See page [CH-2](#)).

Torque: 25 N·m (250 kgf·cm, 18 ft·lbf)

20. CONNECT WIRES AND CONNECTORS

Connect these wires and connectors:

- Heated oxygen sensor (bank 1 sensor 1, 2) connectors
- DLC1 clamp
- 2 oil pressure gauge connectors
- Generator wire and connector
- Connector on intake manifold to fender apron
- High-tension cord to ignition coil
- Ground strap to No.1 engine hanger
- Ground strap connector to air intake chamber
- Starter wire
- Ground cable to cylinder block.



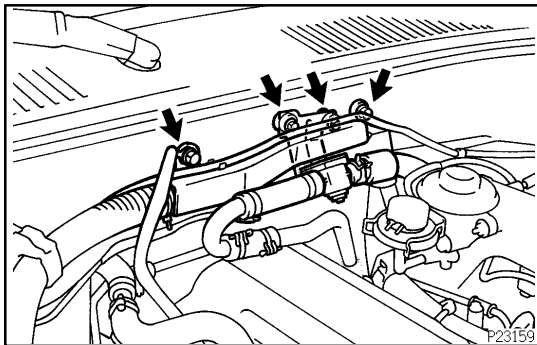
21. CONNECT WIRES AND CONNECTORS

Connect these hoses:

- (1) Brake booster vacuum hose
- (2) EVAP hose
- (3) Fuel return hose
- (4) Fuel inlet hose

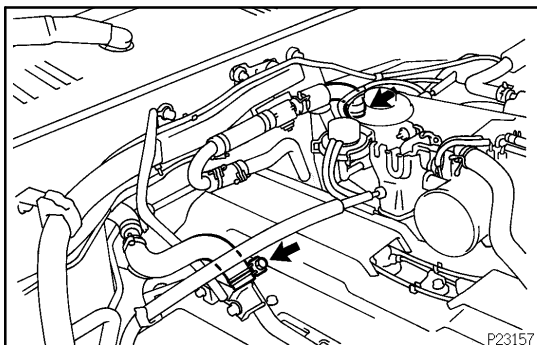
Connect the fuel inlet hose to the fuel filter with 2 new gaskets and the union bolt.

Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)



22. CONNECT HEATER VALVE AND ENGINE WIRE TO COWL PANEL

- (a) Connect the heater valve with the 2 bolts.
- (b) Connect the engine wire and ground strap with the 2 bolts.



23. CONNECT HEATER HOSES

24. CONNECT CABLES

- (a) Connect the accelerator cable to the throttle body.
- (b) Connect the cruise control actuator cable to the throttle body.

25. INSTALL AIR CLEANER CASE

26. INSTALL AIR CLEANER HOSE AND CAP

27. CONNECT OIL COOLER HOSE TO OIL COOLER PIPE

28. INSTALL RADIATOR (See page [CO-16](#))

29. INSTALL RADIATOR GRILLE

Install the radiator grille with the 5 screws and clip.

30. INSTALL BATTERY TRAY AND BATTERY

31. FILL WITH ENGINE OIL

32. FILL WITH ENGINE COOLANT

33. START ENGINE AND CHECK FOR LEAKS

34. CHECK AUTOMATIC TRANSMISSION FLUID LEVEL

35. CHECK IGNITION TIMING (See page [EM-9](#))

36. INSTALL HOOD

37. RECHECK ENGINE COOLANT AND ENGINE OIL LEVELS