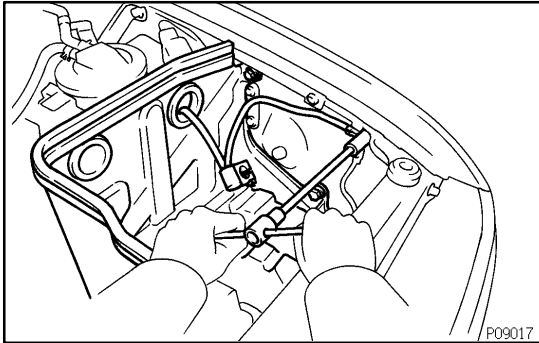
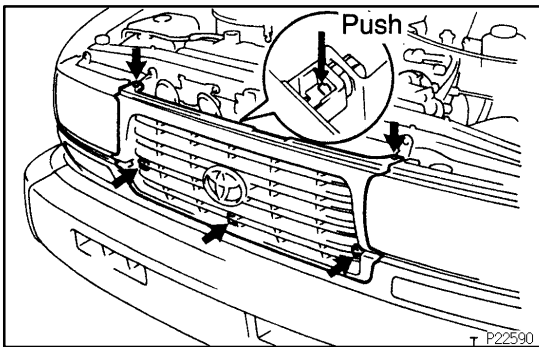


REMOVAL

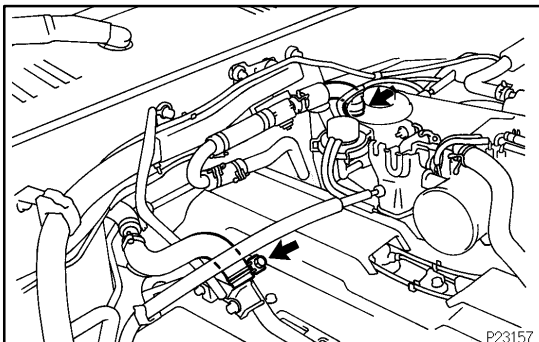
1. DRAIN ENGINE COOLANT
2. DRAIN ENGINE OIL
3. REMOVE HOOD



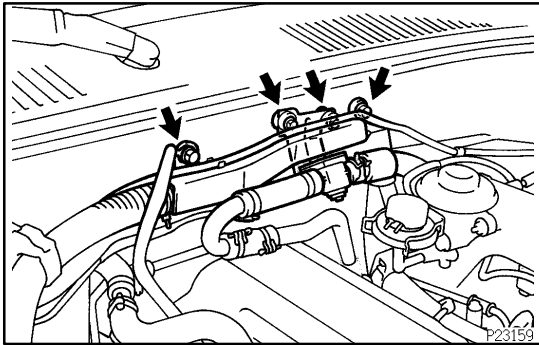
4. REMOVE BATTERY AND BATTERY TRAY
 - (a) Disconnect the battery cables.
 - (b) Remove the nuts, hold-down clamp and battery.
 - (c) Remove the bolt and disconnect the ground strap.
 - (d) Remove the 5 bolts and battery tray.



5. REMOVE RADIATOR GRILLE
Remove the 5 screws, clip and radiator grille.
6. REMOVE RADIATOR (See page [CO-14](#))
7. DISCONNECT OIL COOLER HOSE FROM OIL COOLER PIPE
8. REMOVE AIR CLEANER HOSE AND CAP
9. REMOVE AIR CLEANER CASE
10. DISCONNECT CRUISE CONTROL ACTUATOR CABLE FROM THROTTLE BODY
11. DISCONNECT ACCELERATOR CABLE FROM THROTTLE BODY

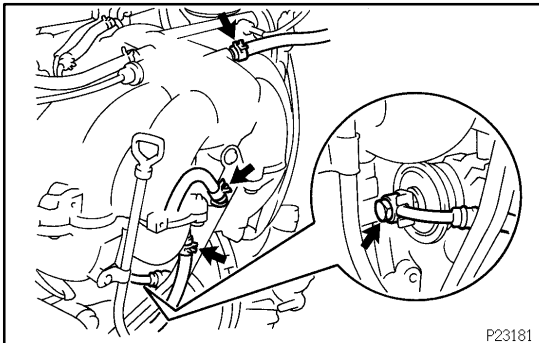


12. DISCONNECT HEATER HOSES



13. DISCONNECT ENGINE WIRE AND HEATER VALVE FROM COWL PANEL

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



14. DISCONNECT BRAKE BOOSTER VACUUM HOSE

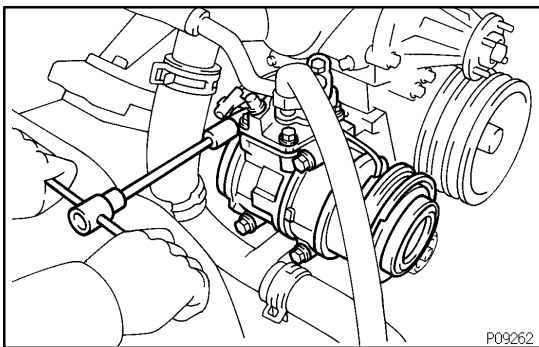
15. DISCONNECT EVAP HOSE

16. DISCONNECT FUEL HOSES

- (a) Disconnect the fuel return hose.
- (b) Remove the union bolt and 2 gaskets, and disconnect the fuel inlet hose from the fuel filter.

17. DISCONNECT WIRES AND CONNECTORS

- (a) Disconnect the 2 heated oxygen sensor connectors.
- (b) Disconnect the DLC1 clamp.
- (c) Disconnect the 2 oil pressure gauge connectors.
- (d) Disconnect the generator wire and connector.
- (e) Disconnect the connector on the intake manifold from the fender apron.
- (f) Disconnect the high-tension cord from the ignition coil.
- (g) Disconnect the ground strap from the No. 1 engine hanger.
- (h) Disconnect the ground strap from the air intake chamber.
- (i) Disconnect the starter wire.
- (j) Disconnect the ground cable from the cylinder block.



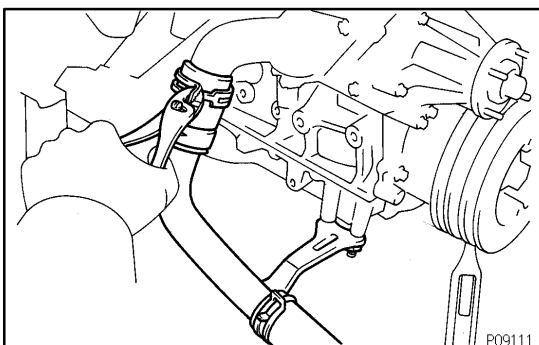
18. DISCONNECT A/C COMPRESSOR AND BRACKET

- (a) Loosen the idler pulley nut and adjusting bolt, and remove the drive belt.
- (b) Remove the 4 mounting bolts, and disconnect the compressor from the bracket.

HINT:

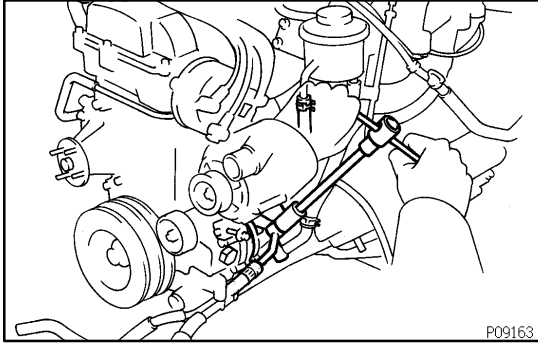
Put aside the compressor, and suspend it.

- (c) Remove the 5 bolts and A/C compressor bracket.



19. REMOVE RADIATOR PIPE

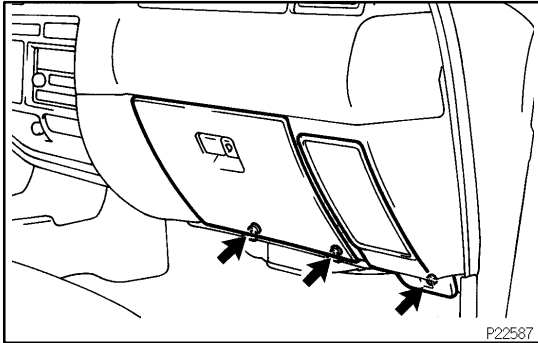
- (a) Remove the 2 nuts holding the radiator pipe to the No. 1 oil pan.
- (b) Disconnect the No. 2 radiator hose from the water inlet and remove the radiator pipe.

**20. DISCONNECT PS PRESSURE HOSE**

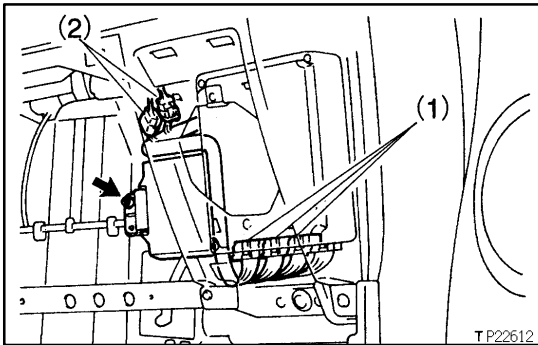
Remove the union bolt and 2 gaskets, and disconnect the pressure hose from the PS pump.

21. DISCONNECT PS RETURN HOSE

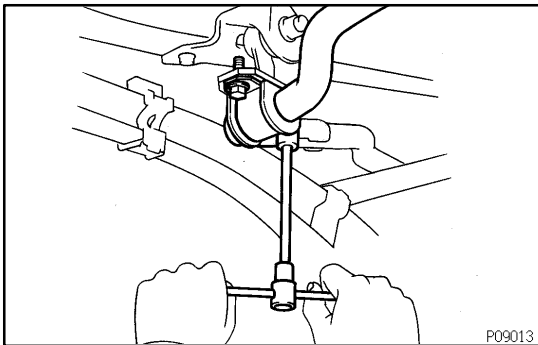
Disconnect the return hose from the PS reservoir tank.

**22. DISCONNECT ENGINE WIRE FROM CABIN**

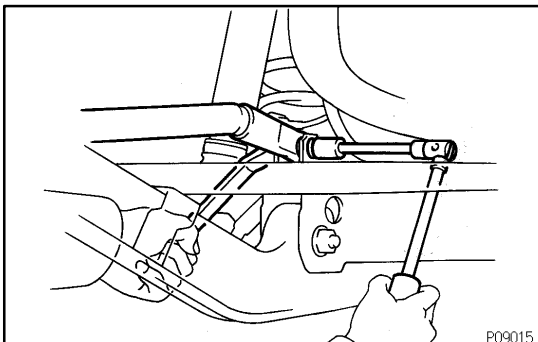
- (a) Remove the 2 screws and glove compartment door.
- (b) Remove the screw and speaker panel.



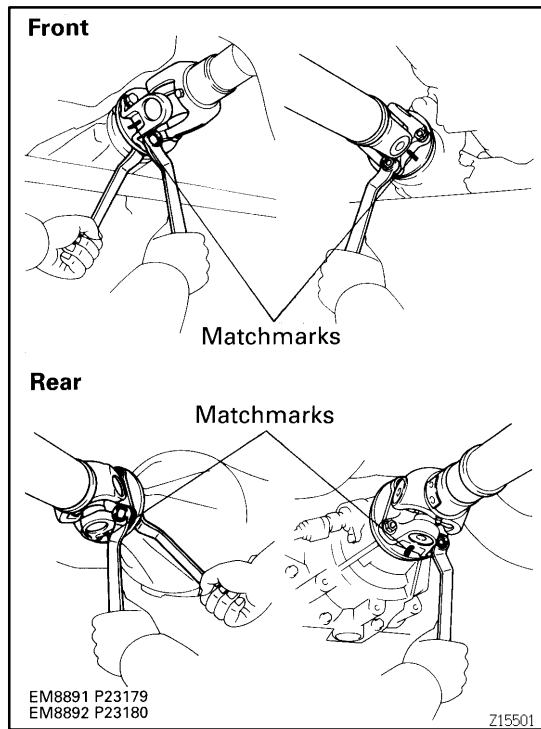
- (c) Remove the screw, and disconnect the A/C amplifier.
- (d) Disconnect the connectors.
 - (1) Disconnect the 3 connectors from the ECM.
 - (2) Disconnect the 2 connectors from the cowl wire.
- (e) Pull out the engine wire from the cabin.

**23. REMOVE STABILIZER BAR**

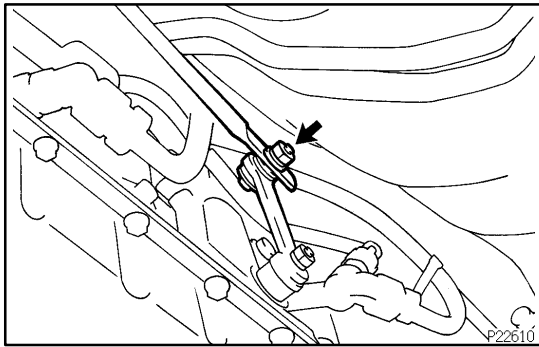
- (a) Remove the 2 bolts and disconnect stabilizer bar from the bracket.



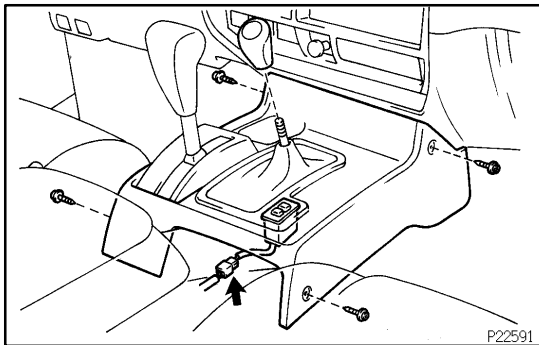
- (b) Remove the bolt and nut, and remove the stabilizer bar from the axle housing.

**24. REMOVE FRONT AND REAR PROPELLER SHAFTS**

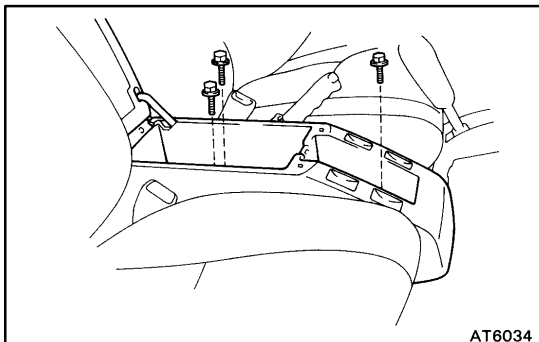
- (a) Put matchmarks on the flanges.
- (b) Remove the 4 bolts and nuts.
- (c) Remove the 4 nuts.
- (d) Remove the propeller shaft.

**25. REMOVE TRANSFER SHIFT LEVER**

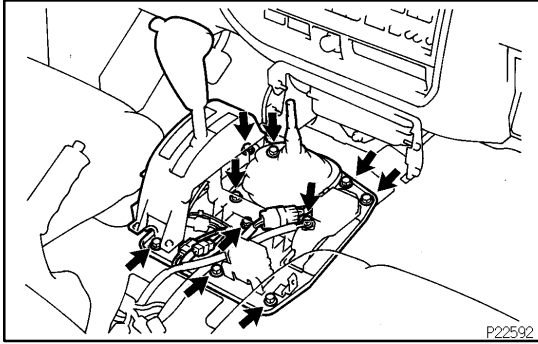
- (a) Remove the nut and transmission control rod.



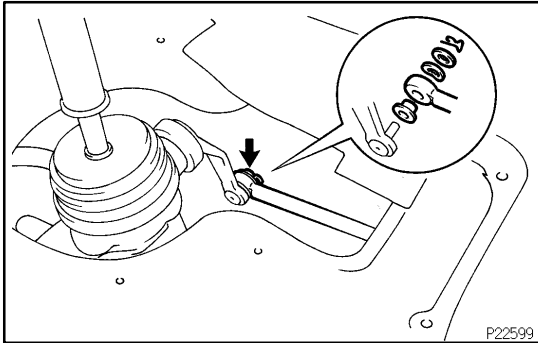
- (b) Remove the transfer shift lever knob.
- (c) Remove 4 screws.
- (d) Lift up the console slightly in order to disconnect the connector.
- (e) Remove the console.



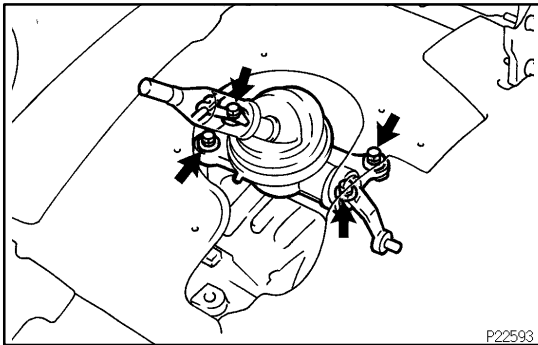
- (f) Remove the 3 bolts and console box.



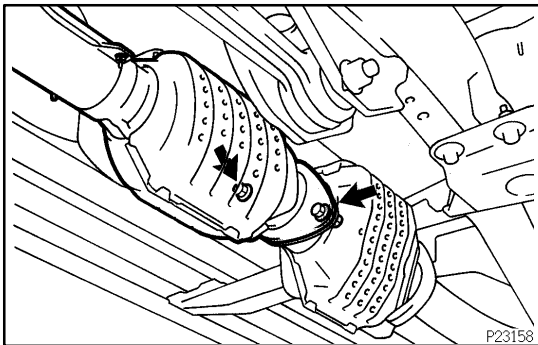
- (g) Disconnect the 3 connectors.
- (h) Remove the 10 bolts and the transfer shift lever boot and transmission shift lever assembly.



- (i) Pull out the pin and disconnect the shift rod.

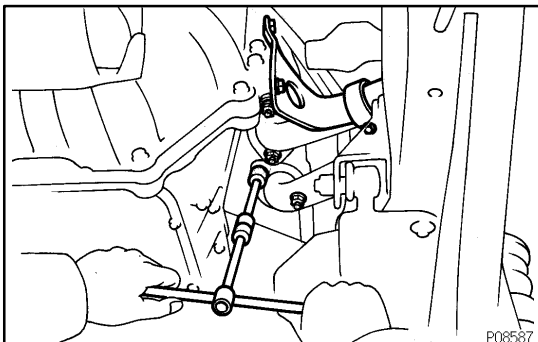


- (j) Remove the 4 bolts, hose clamp and the transfer shift lever.



26. REMOVE FRONT EXHAUST PIPE

- (a) Disconnect the heated oxygen sensor connector.
- (b) Remove the 2 nuts and 2 bolts holding the front exhaust pipe to the rear TWC.
- (c) Disconnect the front exhaust pipe, and remove the gasket.

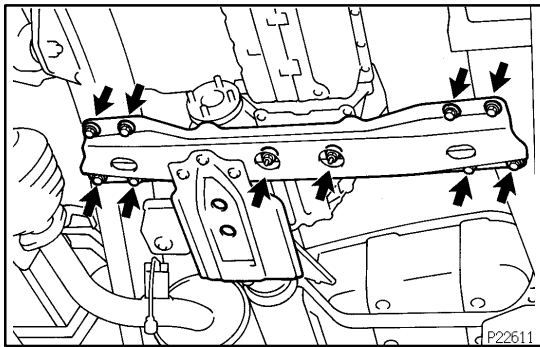


- (d) Loosen the clamp bolt and disconnect the clamp from the No.1 support bracket.
- (e) Remove the 2 bolts and No. 1 support bracket.
- (f) Remove the 4 nuts, front exhaust pipe and 2 gaskets.

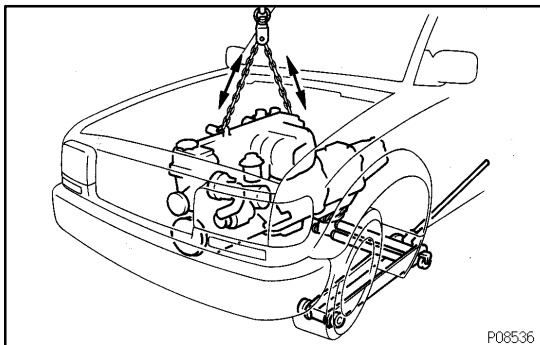
27. DISCONNECT GROUND STRAP FROM HEAT INSULATOR

28. PLACE JACK UNDER TRANSMISSION

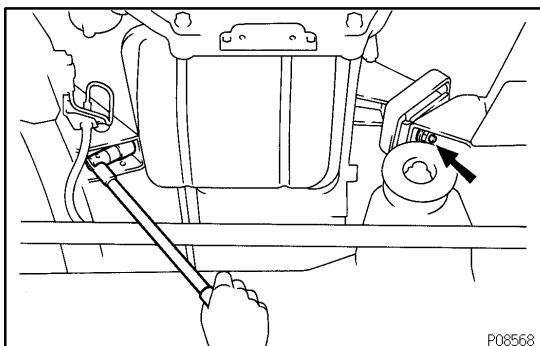
Be sure to put a wooden block between the jack and the transmission oil pan to prevent damage.

**29. REMOVE FRAME CROSSMEMBER**

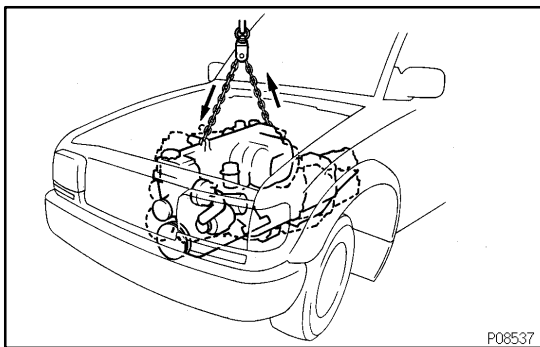
- (a) Remove the 2 nuts holding the crossmember to the engine rear mounting insulator.
- (b) Remove the 8 bolts and crossmember.

**30. REMOVE ENGINE WITH TRANSMISSION**

- (a) Attach the engine hoist chain to the 2 engine hangers.



- (b) Remove the 2 nuts holding the engine front mounting insulators to the frame.

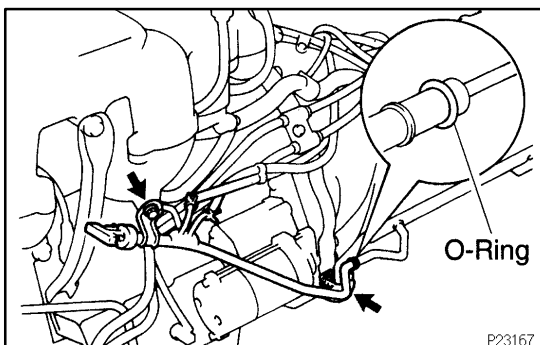


- (c) Lift the engine with transmission out of the vehicle slowly and carefully.

NOTICE:

Make sure that the engine is clear of all wiring and hoses.

- (d) Place the engine and transmission assembly onto the stand.

**31. REMOVE OIL DIPSTICK GUIDE FOR TRANSMISSION**

- (a) Disconnect the 2 breather hoses.
- (b) Remove the 2 mounting bolts.
- (c) Pull out the dipstick guide and dipstick from the transmission.
- (d) Remove the O-ring from the dipstick guide.

32. DISCONNECT ENGINE WIRE FROM TRANSMISSION

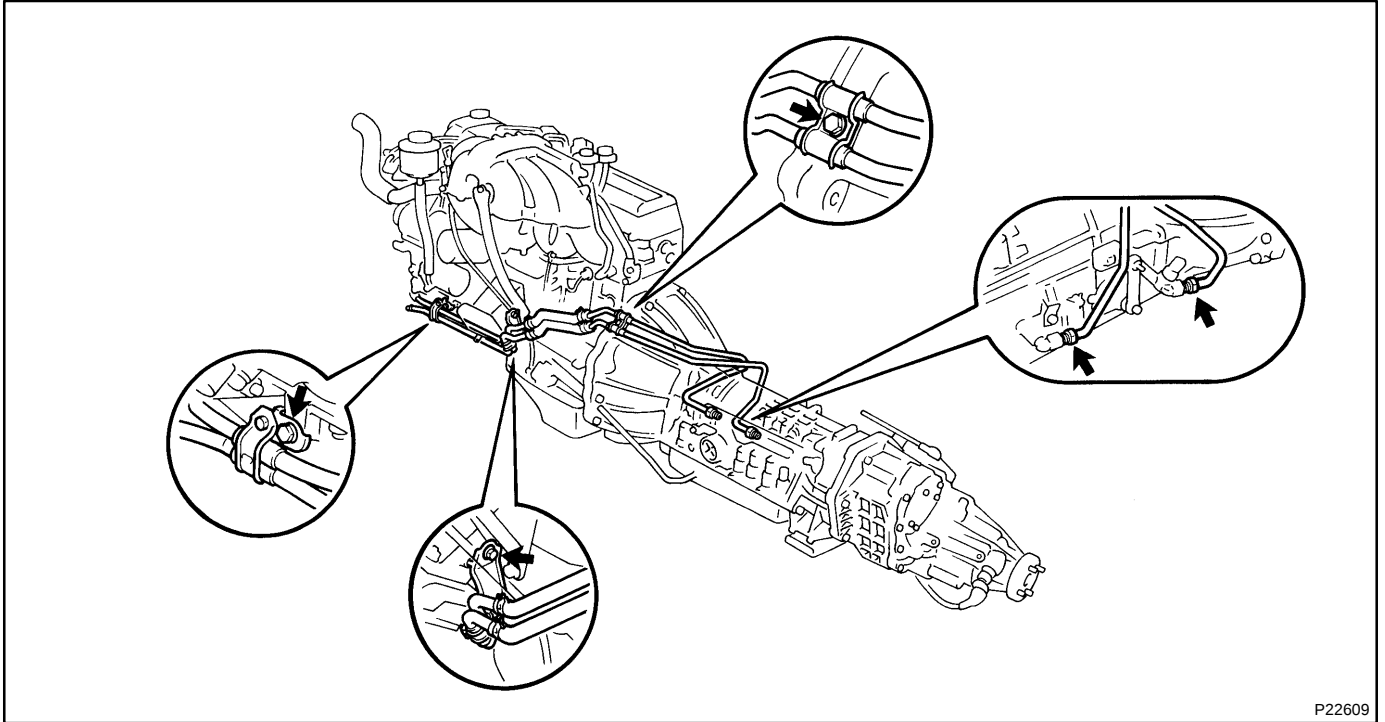
- (a) Disconnect the PNP switch connector.
- (b) Disconnect the 2 connectors from the transmission.

33. REMOVE STARTER

- (a) Disconnect the starter connector.
- (b) Remove the 2 bolts and starter.

34. REMOVE A/T OIL COOLER PIPES FOR TRANSMISSION

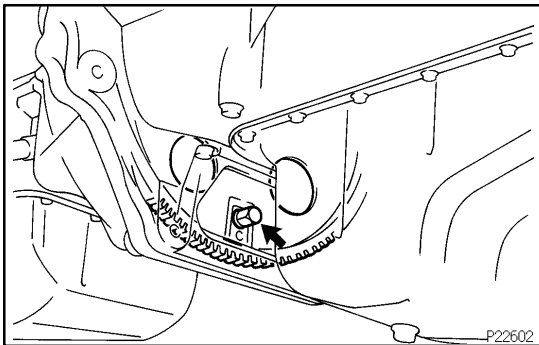
- (a) Remove the 3 clamp mounting bolts.
- (b) Loosen the 2 union nuts, and remove the oil cooler pipes.



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35. DISCONNECT THROTTLE CABLE FROM THROTTLE BODY**36. REMOVE HOLE PLUG****37. REMOVE 6 TORQUE CONVERTER CLUTCH MOUNTING BOLT**

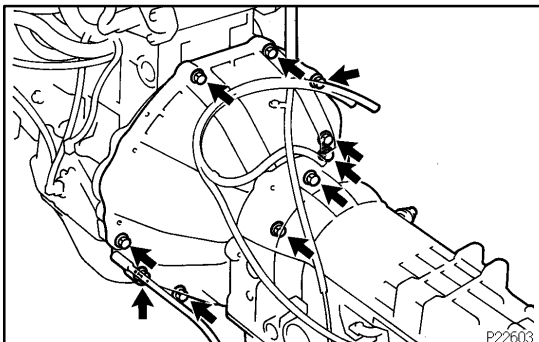
Turn the crankshaft to gain access to each bolt. Remove the 6 bolts.



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38. REMOVE TRANSMISSION FROM ENGINE

Remove the 10 bolts and transmission.



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