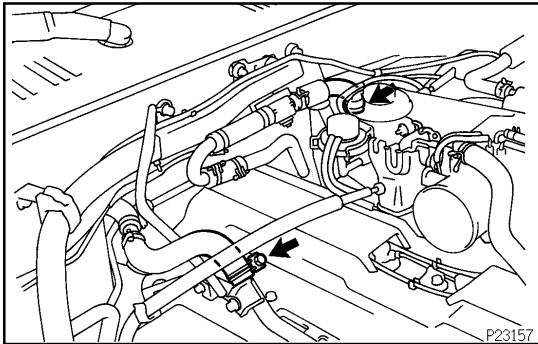
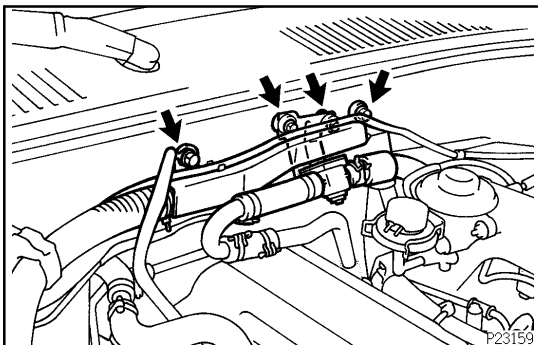


REMOVAL

1. DRAIN ENGINE COOLANT
2. DRAIN ENGINE OIL
3. REMOVE HOOD
4. REMOVE BATTERY AND BATTERY TRAY
5. REMOVE 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 CABLES
 - (a) Disconnect the cruise control actuator cable from the throttle body.
 - (b) Disconnect the accelerator cable from the throttle body.

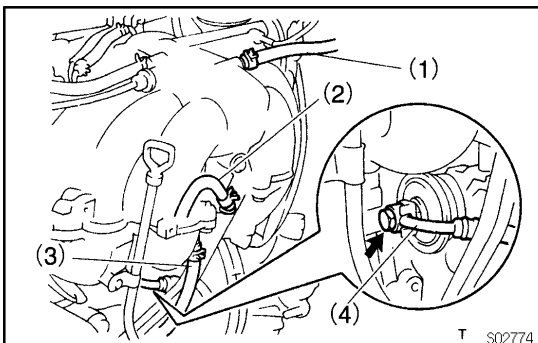


11. DISCONNECT HEATER HOSES



12. 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.



13. DISCONNECT HOSES

Disconnect these hoses:

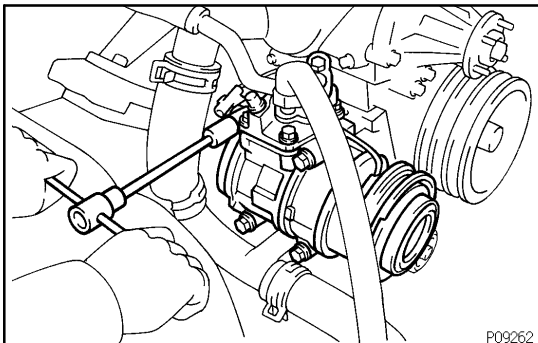
- (1) Brake booster vacuum hose
- (2) EVAP hose
- (3) Fuel return hose
- (4) Fuel inlet hose

Remove the union bolt and 2 gaskets, and disconnect the fuel inlet hose from the fuel filter.

14. DISCONNECT WIRES AND CONNECTORS

Disconnect 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 from fender apron
- High-tension cord from ignition coil
- Ground strap from No.1 engine hanger
- Ground strap connector from air intake chamber
- Starter wire
- Ground cable from cylinder block

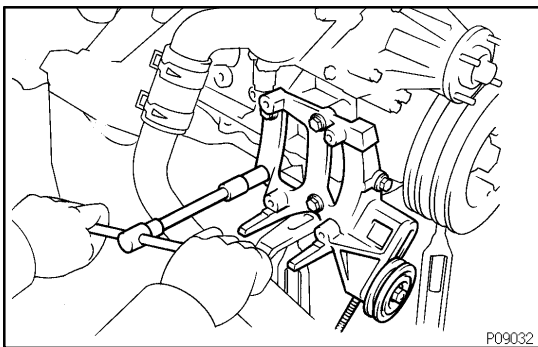


15. DISCONNECT A/C COMPRESSOR AND BRACKET

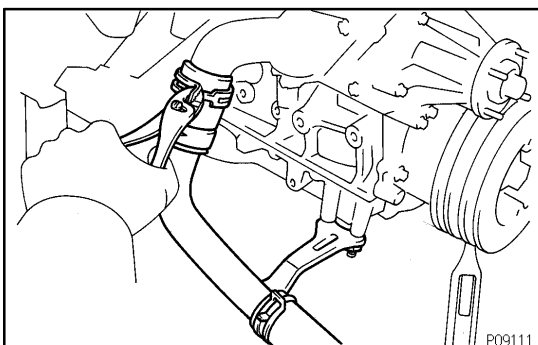
- Loosen the idler pulley nut and adjusting bolt, and remove the drive belt.
- Remove the 4 bolts, and disconnect the compressor from the bracket.

HINT:

Put aside the compressor, and suspend it.

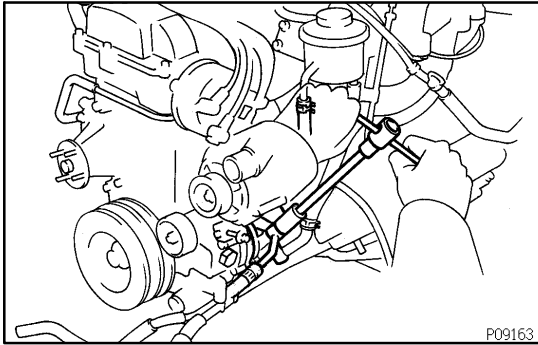


- Remove the 5 bolts and A/C compressor bracket.



16. REMOVE RADIATOR PIPE

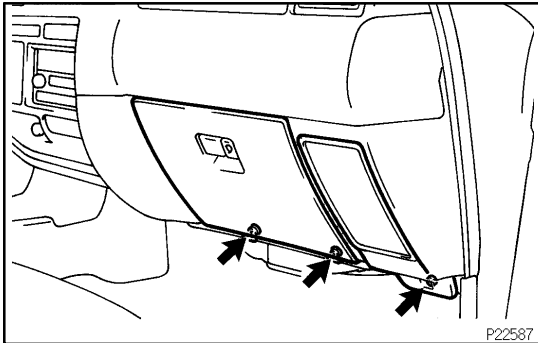
- Remove the 2 nuts holding the radiator pipe to the No.1 oil pan.
- Disconnect the No.2 radiator hose from the water inlet and remove the radiator pipe.

**17. DISCONNECT PS PRESSURE HOSE**

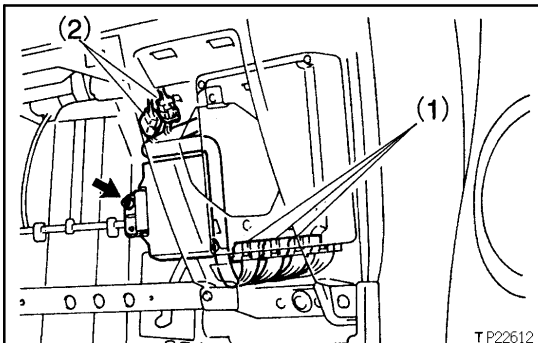
Remove the union bolt and 2 gaskets, and disconnect the pressure hose from the PS pump.

18. DISCONNECT PS RETURN HOSE

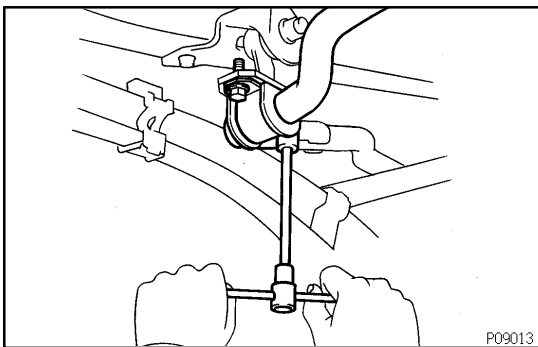
Disconnect the return hose from the PS reservoir.

**19. DISCONNECT ENGINE WIRE FROM CABIN**

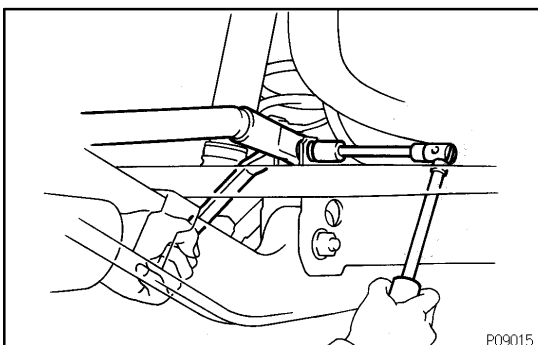
- (a) Remove the 2 screws and glove compartment door.
- (b) Remove the screw and speaker panel.



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

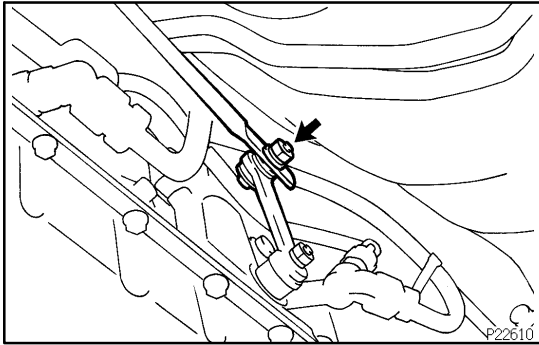
**20. REMOVE STABILIZER BAR**

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

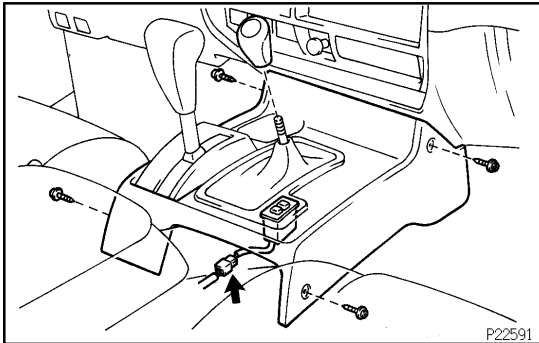


- (b) Remove the bolt, nut and stabilizer bar from the axle housing.

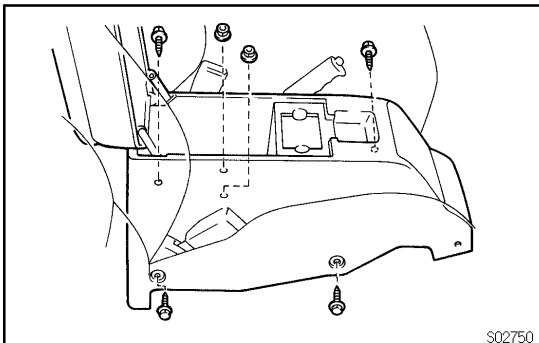
21. REMOVE FRONT AND REAR PROPELLER SHAFTS
(See page [PR-3](#))

**22. REMOVE TRANSFER SHIFT LEVER**

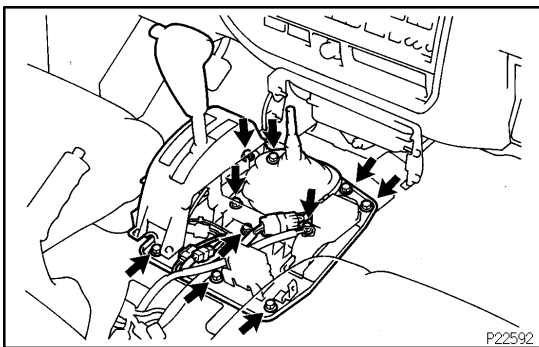
- (a) Remove the nut, and disconnect the transmission control rod.



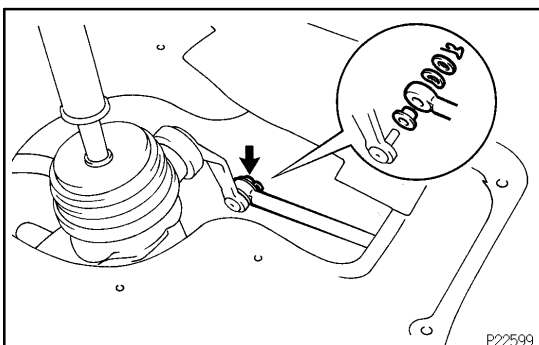
- (b) Remove the transfer shift lever knob.
 (c) Remove 4 screws.
 (d) Lift up the console slightly in order to disconnect the connector.
 (e) Remove the console.



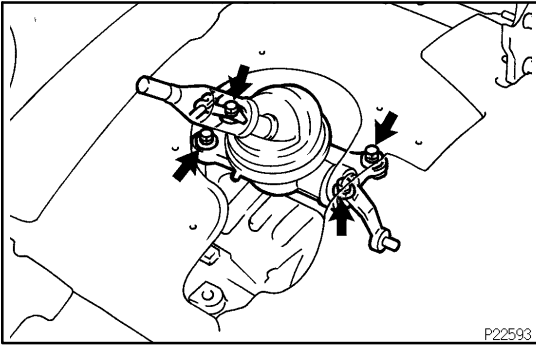
- (f) Remove the 4 screws, 2 nuts and console box.



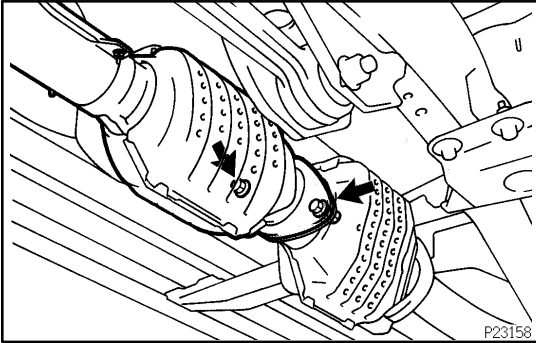
- (g) Disconnect the 3 connectors.
 (h) Remove the 10 bolts, the transfer shift lever boot and transmission shift lever assembly.



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

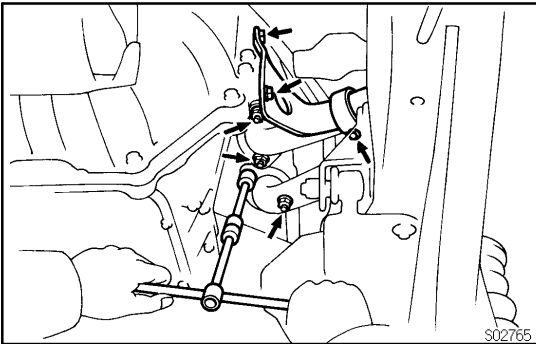


- (j) Remove the 4 bolts, hose clamp and transfer shift lever.



23. REMOVE FRONT EXHAUST PIPE

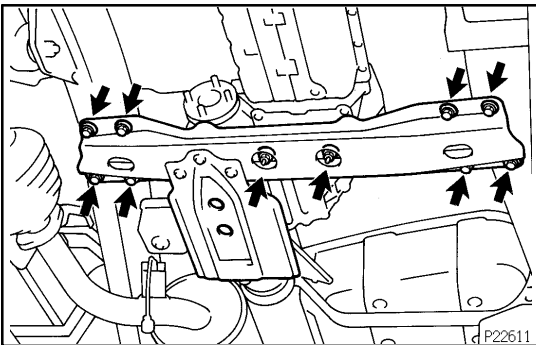
- Remove the 2 nuts and 2 bolts holding the front exhaust pipe to the rear TWC.
- Disconnect the front exhaust pipe, and remove the gasket.



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

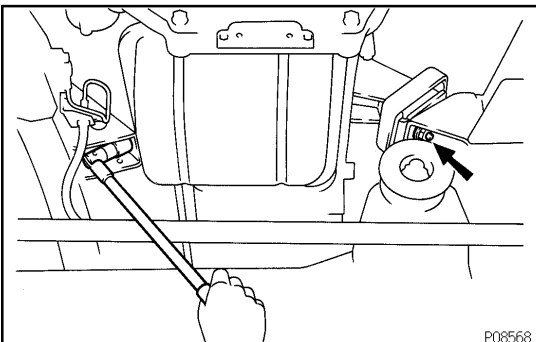
24. PLACE JACK UNDER TRANSMISSION

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



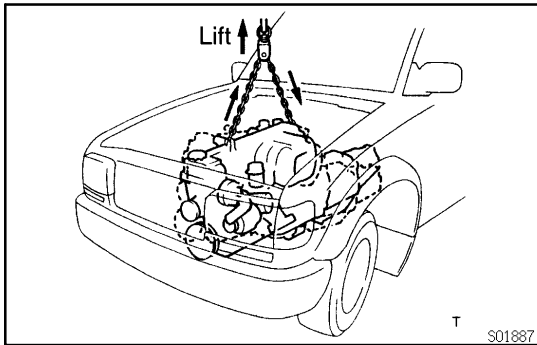
25. REMOVE FRAME CROSSMEMBER

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



26. REMOVE ENGINE AND TRANSMISSION ASSEMBLY

- Attach the engine hoist chain to the 2 engine hangers.
- Remove the 2 nuts holding the LH and RH front engine mounting insulators to the frame.

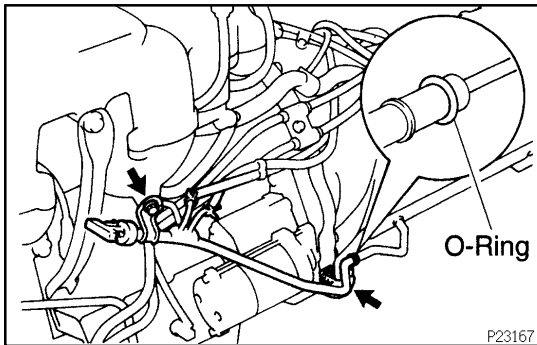


- (c) Lift the engine with transmission out of the vehicle slowly and carefully.

NOTICE:

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

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

**27. REMOVE OIL DIPSTICK AND GUIDE**

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

28. DISCONNECT ENGINE WIRE FROM TRANSMISSION

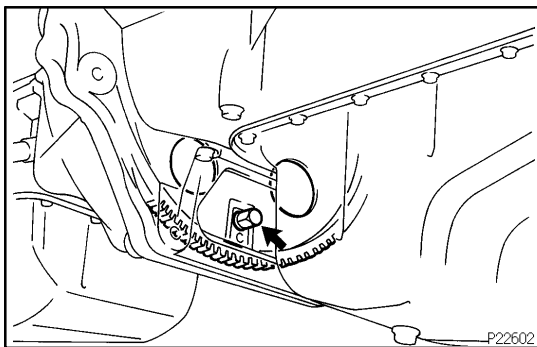
- (a) Disconnect the PNP switch connector.
(b) Disconnect the 2 connectors from the transmission.

29. REMOVE STARTER

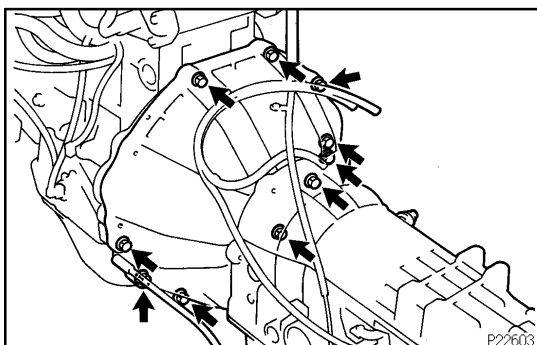
- (a) Disconnect the starter connector.
(b) Remove the 2 bolts and starter.

30. REMOVE A/T OIL COOLER PIPES

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

31. DISCONNECT THROTTLE CABLE FROM THROTTLE BODY**32. REMOVE TORQUE CONVERTER CLUTCH BOLT**

- (a) Remove the hole plug.
(b) Turn the crankshaft to gain access to each bolt. Remove the 6 bolts.

**33. REMOVE TRANSMISSION FROM ENGINE**

Remove the 10 bolts and transmission.