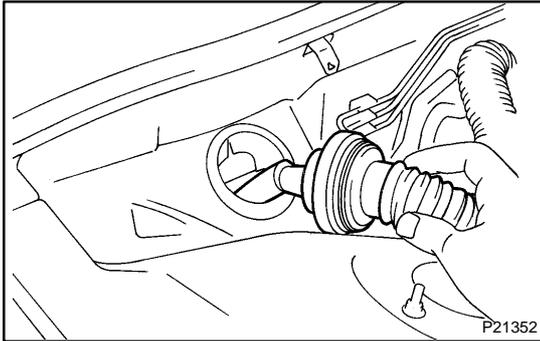


REMOVAL

1. REMOVE HOOD
2. REMOVE OIL PAN PROTECTOR
3. REMOVE ENGINE UNDER COVER
4. REMOVE LOWER FRONT SUSPENSION MEMBER PROTECTOR
5. REMOVE ENGINE MOUNT MEMBER BRACKET PLATE
6. DRAIN ENGINE COOLANT
7. DRAIN ENGINE OIL
8. REMOVE V-BANK COVER
9. REMOVE BATTERY CLAMP COVER
10. REMOVE AIR CLEANER INLET
11. REMOVE AIR CLEANER AND INTAKE AIR CONNECTOR ASSEMBLY
12. REMOVE BATTERY
13. REMOVE DRIVE BELT, FAN FLUID COUPLING AND FAN PULLEY (See page [EM-15](#))
14. DISCONNECT ACCELERATOR CABLE TO THROTTLE BODY
15. REMOVE RADIATOR ASSEMBLY (See page [CO-21](#))
16. REMOVE V-BANK COVER BRACKETS FROM ENGINE HANGERS
17. DISCONNECT CONNECTORS, WIRE, STRAPS, CLAMPS AND HOSES
 - (a) Disconnect the engine oil level sensor connector.
 - (b) Disconnect the generator connector.
 - (c) Disconnect the generator wire.
 - (d) Disconnect the engine wire clamp from the bracket on generator.
 - (e) Disconnect the ground strap from the RH engine mounting bracket.
 - (f) Disconnect the ground strap from under of the LH fender apron.
 - (g) Disconnect the engine wire clamp from the cowl panel.
 - (h) Disconnect the radiator reservoir hose from the water bypass pipe.
 - (i) Disconnect the brake booster vacuum hose from the intake manifold.
 - (j) Disconnect the heater hose from the heater water valve.
 - (k) Disconnect the heater hose from the water bypass pipe.
 - (l) Disconnect the fuel inlet hose from the fuel inlet pipe.
 - (m) Disconnect the PS air hose from the intake manifold.
 - (n) Disconnect the 2 EVAP hoses from the pipes (from charcoal canister).
 - (o) Disconnect the oil pressure switch connector.
18. DISCONNECT ENGINE WIRE FROM CABIN
 - (a) Remove the under cover.
 - (b) Remove the glove compartment.

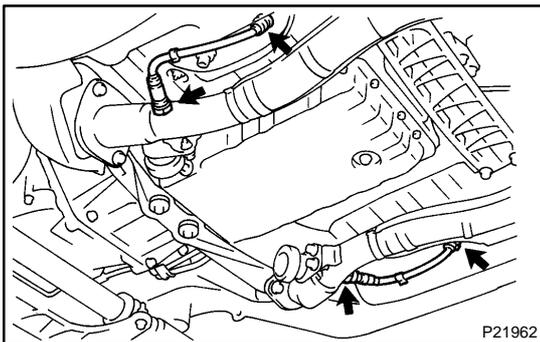
- (c) Disconnect the 3 ECM connectors.
- (d) Disconnect the cowl wire connector from the connector on the bracket.
- (e) Disconnect the engine wire clamp from the bracket.



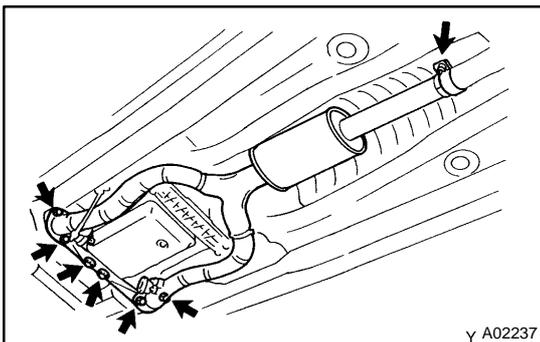
- (f) Disconnect the grommet from the cowl panel, and pull out the engine wire.

NOTICE:

Be careful not to damage the engine wire.

19. DISCONNECT PS OIL COOLER PIPE FROM OIL PAN**20. DISCONNECT HEATED OXYGEN SENSORS FROM FRONT EXHAUST PIPE**

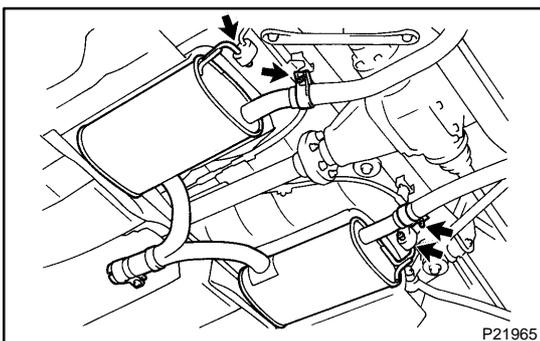
- (a) Disconnect the 2 wire grommets from the floor panel.
- (b) Disconnect the 2 oxygen sensors from the exhaust pipe.

**21. REMOVE FRONT EXHAUST PIPE**

- (a) Loosen the clamp bolt holding the front exhaust pipe to the center exhaust pipe.
- (b) Remove the 4 bolts and 4 nuts holding the front exhaust pipe to the TWC.
- (c) Remove the front exhaust pipe and 3 gaskets.
- (d) Remove the 2 bolts and pipe support bracket.

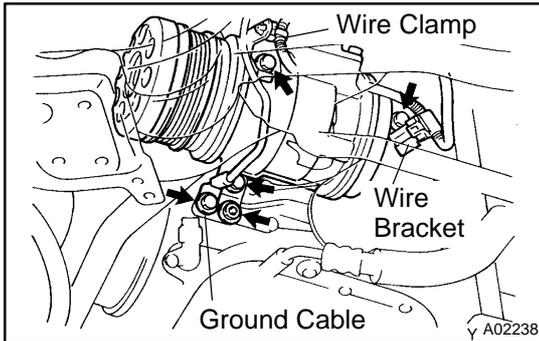
22. REMOVE TWC

Remove the 3 nuts, TWC and gasket. Remove the 2 TWC.

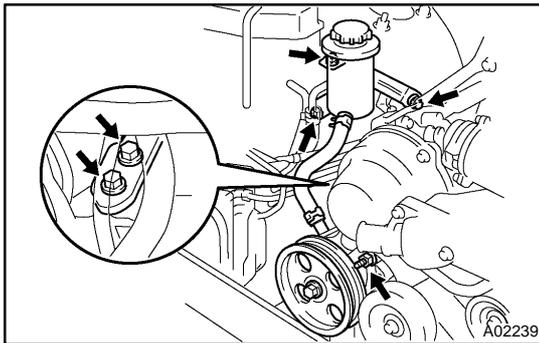
**23. REMOVE CENTER EXHAUST PIPE**

- (a) Loosen the 2 clamp bolts, and disconnect the center exhaust pipe from the tailpipes.
- (b) Disconnect the exhaust pipe from the 2 rings on the body brackets, and remove the center exhaust pipe and 2 gaskets.

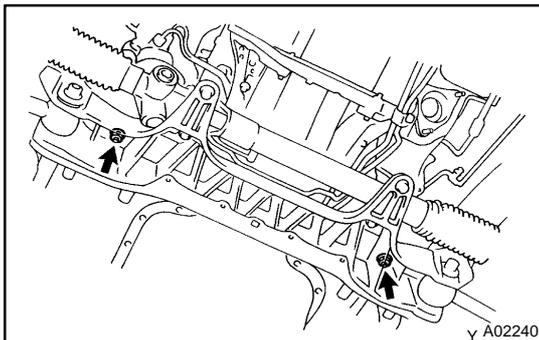
24. REMOVE HEAT INSULATOR FOR REAR SIDE OF FRONT EXHAUST PIPE**25. REMOVE FRONT AND REAR CENTER FLOOR CROSSMEMBER BRACES**

26. REMOVE PROPELLER SHAFT (See page PR-3)**27. DISCONNECT A/C COMPRESSOR FROM ENGINE**

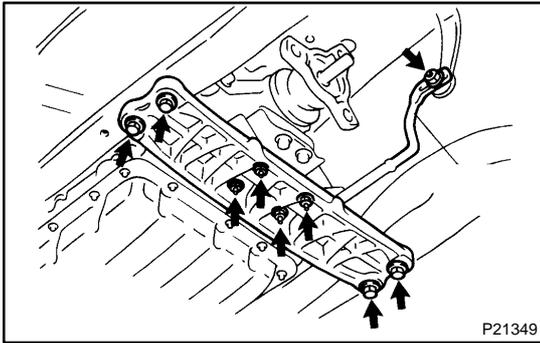
- (a) Disconnect the A/C compressor connector.
- (b) Disconnect the wire clamp from the wire bracket on the A/C compressor.
- (c) Remove the bolt, and disconnect the ground cable from the A/C compressor stay.
- (d) Remove the bolt, nut and A/C compressor stay.
- (e) Remove the bolt, and disconnect the wire bracket from the A/C compressor.
- (f) Remove the bolt, and disconnect the A/C compressor from the engine.

28. REMOVE ABS ACTUATOR**29. REMOVE PS PUMP AND OIL RESERVOIR**

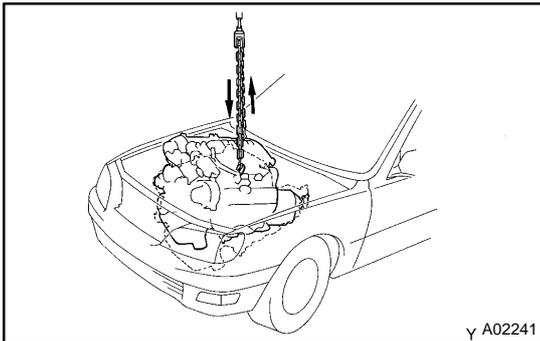
- (a) Remove the 2 bolts, nut and PS pump from the engine.
- (b) Remove the 3 bolts and PS oil reservoir from the RH fender apron.

30. REMOVE HEAT INSULATORS FOR FRONT SIDE OF FRONT EXHAUST PIPE**31. REMOVE ENGINE AND TRANSMISSION ASSEMBLY FROM VEHICLE**

- (a) Remove the 2 nuts, and disconnect the heater water valve from the cowl panel.
- (b) Attach the engine chain hoist to the engine hangers.
- (c) Remove the 2 nuts holding the engine mounting insulators to the front suspension crossmember.



- (d) Remove the nut, and disconnect the transmission control rod from the shift lever.
- (e) Remove the 4 bolts, 4 nuts and rear engine mounting member.



- (f) Lift the engine out of the vehicle slowly and carefully.
- HINT:
Make sure the engine is clear of all wiring, hoses and cables.

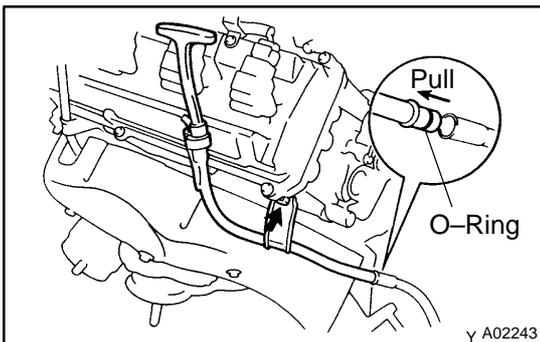
NOTICE:

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

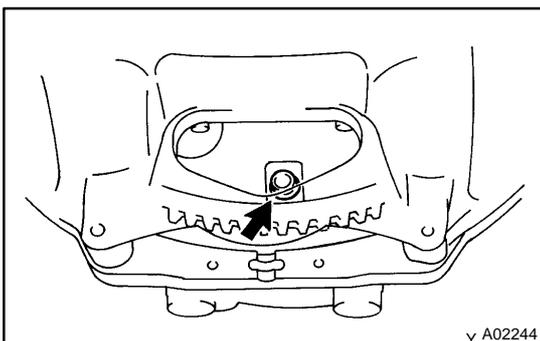
- (g) Place the engine and transmission assembly onto the stand.

32. DISCONNECT ENGINE WIRE FROM TRANSMISSION

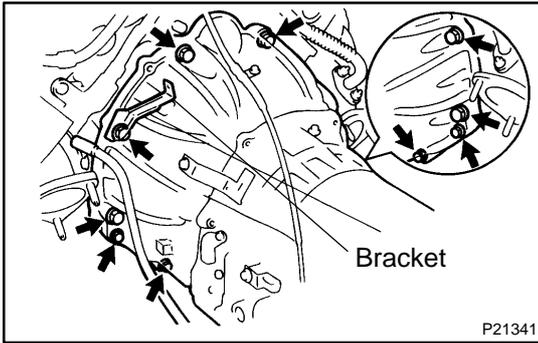
- (a) Disconnect the VSV connector.
- (b) Disconnect the PNP switch connector.
- (c) Disconnect the solenoid connector.
- (d) Disconnect the direct clutch speed sensor connector.
- (e) Disconnect the 4 engine wire clamps from the bracket.

**33. REMOVE OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION**

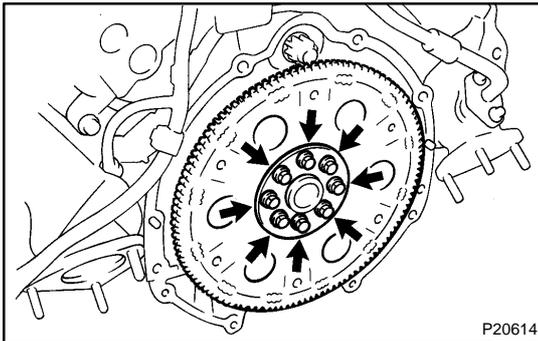
- (a) Remove the bolt.
- (b) Pull out the dipstick guide and dipstick from the port of transmission.
- (c) Remove the O-ring from the dipstick guide.

34. REMOVE OIL COOLER PIPES FOR TRANSMISSION**35. REMOVE TORQUE CONVERTER CLUTCH BOLTS**

- (a) Remove the 2 bolts and flywheel housing under cover.
- (b) Turn the crankshaft pulley bolt to gain access to each bolt.
- (c) Hold the crankshaft pulley bolt with a wrench, and remove the 6 bolts.

**36. REMOVE TRANSMISSION**

- (a) Remove the 10 bolts and engine wire bracket.
- (b) Remove the transmission together with the torque converter clutch from the engine.

**37. REMOVE DRIVE PLATE**

Remove the 8 bolts, front spacer, drive plate and rear spacer.