

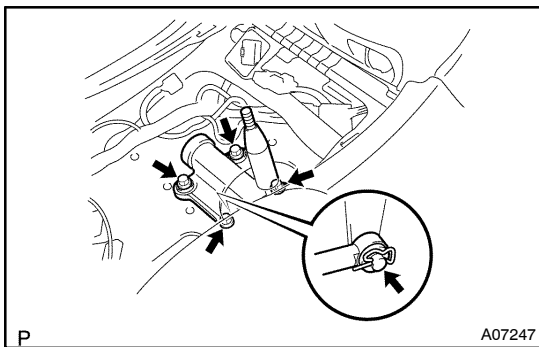
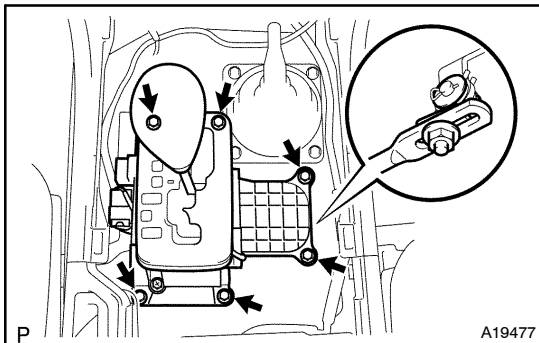
REMOVAL

1. **REMOVE HOOD**
2. **REMOVE ENGINE UNDER COVERS**
3. **DRAIN ENGINE COOLANT**
4. **DRAIN ENGINE OIL**
5. **REMOVE V-BANK COVER**
6. **REMOVE BATTERY**
7. **REMOVE AIR CLEANER CAP AND INTAKE AIR CONNECTOR PIPE ASSEMBLY**
8. **REMOVE RADIATOR RESERVOIR**
 - (a) Disconnect the clamp on the wire from the reservoir.
 - (b) Disconnect the reservoir hose from the radiator.
 - (c) Remove the 2 bolts, the reservoir and the grommet.
9. **REMOVE RADIATOR AND FAN SHROUD**
 - (a) Disconnect the upper radiator hose from the front water bypass joint.
 - (b) Remove the 2 nuts, and disconnect the 2 clamps on the A/C discharge tube from the bracket.
 - (c) Remove the 2 bolts, and disconnect the 2 brackets on the wire from the radiator.
 - (d) Remove the 3 bolts, and disconnect the fan shroud from the radiator.
 - (e) Remove the lower radiator hose.
 - (f) Disconnect the 2 A/T oil cooler hoses from the radiator.
 - (g) Remove the 2 bolts, the 2 nuts, the 2 support collars and the radiator.
 - (h) Remove the fan shroud.
10. **REMOVE GENERATOR DRIVE BELT, FAN, FLUID COUPLING AND FAN PULLEY**
 - (a) Loosen the 4 nuts holding the fluid coupling to the fan bracket.
 - (b) Remove the generator drive belt. (See page [CH-7](#))
 - (c) Remove the 4 nuts, the fan, the fluid coupling assembly and the fan pulley.
11. **DISCONNECT ENGINE WIRE FROM CABIN**
 - (a) Remove the glove compartment door.
 - (b) Remove the lower No.2 panel.
 - (c) Disconnect the 3 connectors from the ECM.
 - (d) Remove the 3 screws, and disconnect ECM from the body bracket.
 - (e) Disconnect the 3 wire harness connectors.
12. **DISCONNECT HOSES, WIRES, CONNECTORS, CLAMPS, GROMMET AND CABLES**
 - (a) Disconnect the 2 PS air hoses from the hose clamp on the No.3 RH timing belt cover.
 - (b) Disconnect the generator wire.
 - (c) Disconnect the generator connector.
 - (d) Disconnect the hose clamp for PS air hose.
 - (e) Disconnect the PS air hose from upper intake manifold.

- (f) Disconnect the 2 heater hoses.
- (g) Disconnect the engine wire clamp from the bracket on the cowl panel.
- (h) Disconnect the engine wire grommet from cowl panel.
- (i) Disconnect the ground strap connector.
- (j) Disconnect the fuel main hose and the clamps.
- (k) Disconnect the fuel return hose and the clamp.
- (l) Disconnect the air inlet hose from the charcoal canister.
- (m) Disconnect the EVAP hose from the charcoal canister.
- (n) Disconnect the engine wire from the clamp on the right fender apron.
- (o) Disconnect the clamp on battery negative (–) cable from the relay box.
- (p) Disconnect the battery negative (–) cable from the right fender apron.
- (q) Disconnect the battery positive (+) terminal cable.

13. REMOVE SHIFT LEVER ASSEMBLY AND TRANSFER SHIFT LEVER ASSEMBLY

- (a) Remove the transfer shift lever knob.
- (b) Remove the upper console panel.
- (c) Remove the shift lever assembly.
 - (1) Disconnect the connector.
 - (2) Remove the 6 bolts.
 - (3) Remove the nut and disconnect the transmission control rod from the shift lever assembly.
 - (4) Remove the shift lever assembly.
- (d) Remove the 4 bolts and the transfer shift lever boot.



- (e) Remove the transfer shift lever assembly.
 - (1) Remove the clip, the plate washer and the wave washer, and disconnect the transfer rod from the shift lever.
 - (2) Remove the bushing.
 - (3) Remove the 4 bolts, the shift lever and the gasket.

14. REMOVE FRONT EXHAUST PIPES

15. REMOVE PROPELLER SHAFT (See page [PR-4](#))

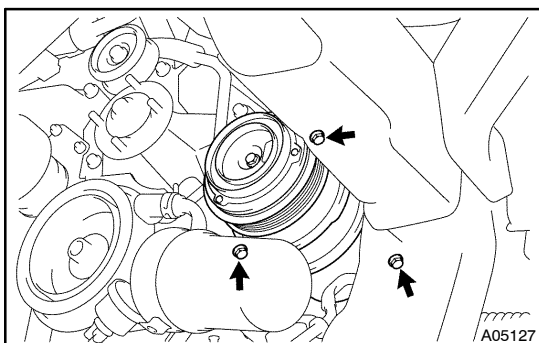
16. REMOVE STABILIZER BAR (See page [SA-81](#))

17. DISCONNECT A/C COMPRESSOR FROM ENGINE

- (a) Disconnect the A/C compressor connector.
- (b) Remove the 3 bolts, and disconnect the A/C compressor from the engine.

HINT:

Suspend the A/C compressor securely.

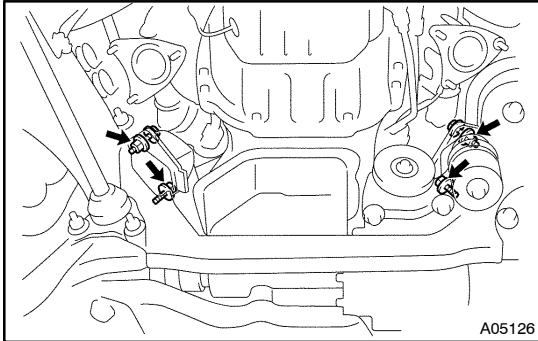


18. DISCONNECT PS PUMP FROM ENGINE

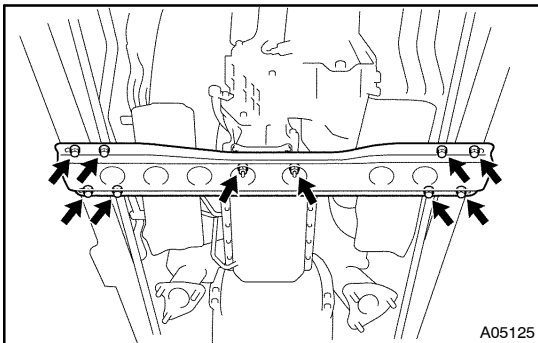
Remove the 3 bolts, and disconnect the PS pump from the engine.

HINT:

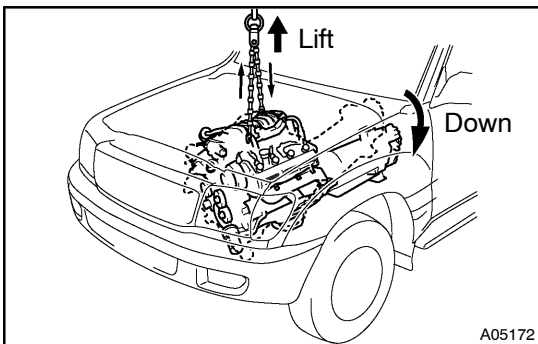
Suspend the PS pump securely.

**19. REMOVE ENGINE AND TRANSMISSION ASSEMBLY FROM VEHICLE**

- (a) Attach the engine chain hoist to the engine hangers.
- (b) Remove the 2 nuts and the 4 bolts holding the engine mounting brackets to the frame brackets.
- (c) Remove the 3 bolts and the transfer case protector.



- (d) Remove the 8 bolts, the 2 nuts and the frame crossmember.



- (e) Lift the engine and take out from the vehicle slowly and carefully.

HINT:

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

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

20. DISCONNECT ENGINE WIRE FROM TRANSMISSION

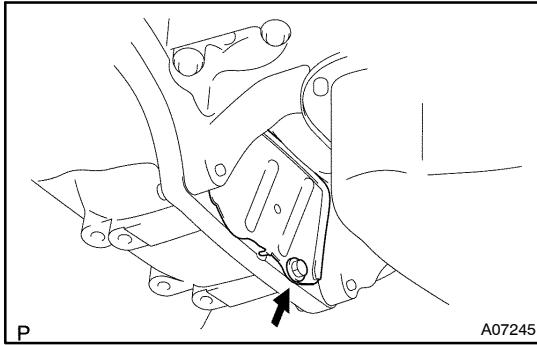
- (a) Disconnect the 5 connectors.
- (b) Disconnect the 2 wire clamps.

21. REMOVE OIL DIPSTICK GUIDE AND DIPSTICK FOR TRANSMISSION

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

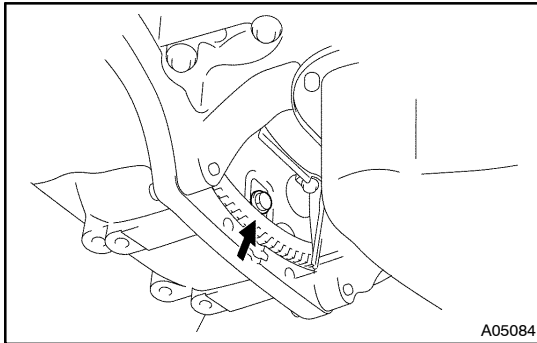
22. REMOVE OIL COOLER PIPES FOR TRANSMISSION

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

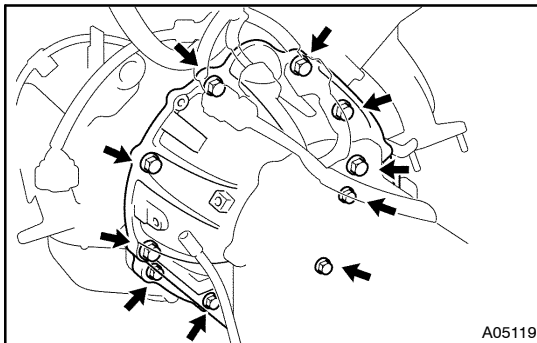


23. REMOVE TORQUE CONVERTER CLUTCH BOLTS

- (a) Remove the bolt and the flywheel housing under cover.

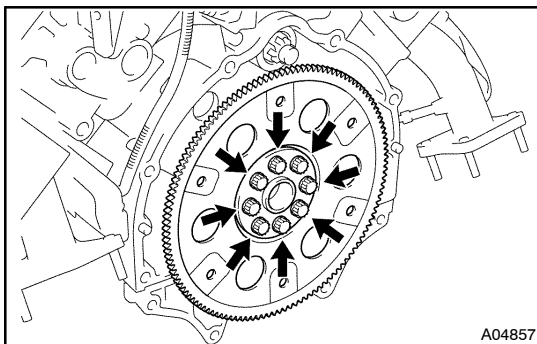


- (b) Turn the crankshaft pulley bolt to gain access to each bolt.
(c) Hold the crankshaft pulley bolt with a wrench, and remove the 6 bolts.



24. REMOVE TRANSMISSION

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



25. REMOVE DRIVE PLATE

Hold the crankshaft pulley bolt with a wrench, and remove the 8 bolts, the front spacer, the drive plate and the rear spacer.