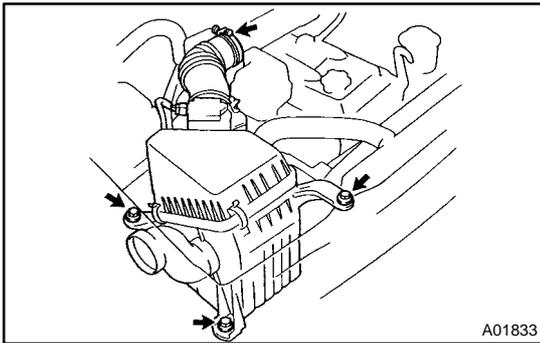
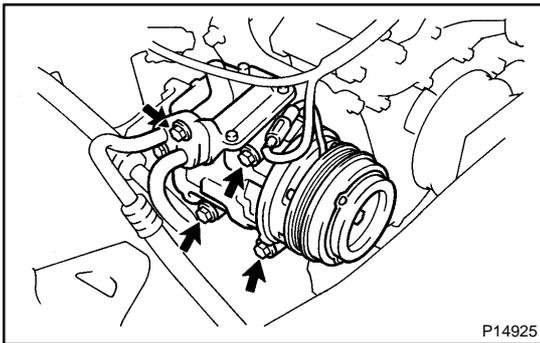


## REMOVAL

1. REMOVE ENGINE UNDER COVER
2. DRAIN ENGINE COOLANT
3. DRAIN ENGINE OIL
4. DRAIN TRANSMISSION OIL
5. REMOVE HOOD
6. REMOVE RADIATOR (See page [CO-18](#))
7. REMOVE DRIVE BELT FOR GENERATOR, FAN WITH FLUID COUPLING AND WATER PUMP PULLEY (See page [CO-5](#))
8. DISCONNECT CABLES:
  - (a) Disconnect the accelerator cable from the throttle body.
  - (b) w/ Cruise Control System:  
Remove the actuator cover, and disconnect the cruise control cable from the actuator.



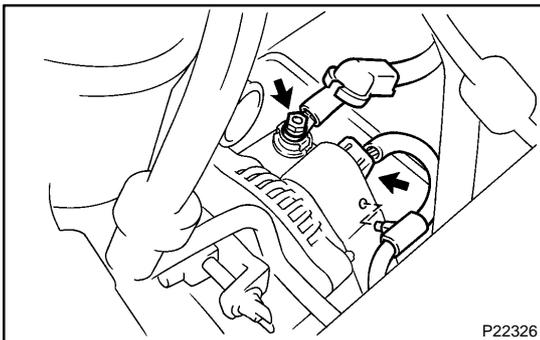
9. REMOVE AIR CLEANER ASSEMBLY
  - (a) Disconnect the MAF meter connector.
  - (b) Disconnect the 3 wire clamps and engine wire.
  - (c) Loosen the air cleaner hose clamp.
  - (d) Remove the 3 bolts and the MAF meter, resonator and air cleaner assembly.
10. REMOVE INTAKE AIR CONNECTOR (See page [EM-34](#))



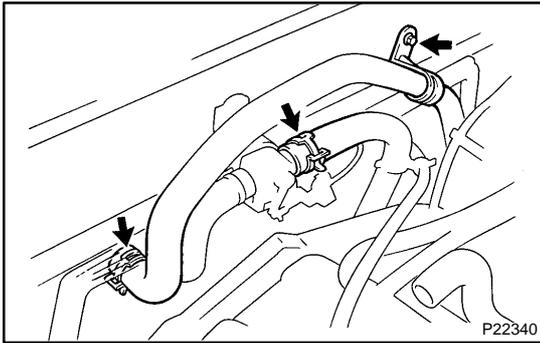
11. DISCONNECT A/C COMPRESSOR
  - (a) Loosen the idler pulley nut and adjusting bolt, and remove the drive belt.
  - (b) Disconnect the A/C compressor connector.
  - (c) Remove the 4 bolts, and disconnect the compressor from the bracket.

### HINT:

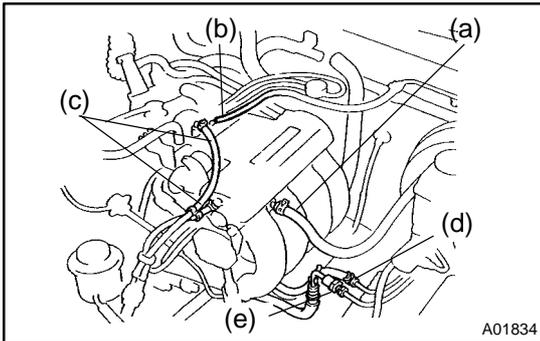
Put a side the compressor, and suspend it.



12. REMOVE GENERATOR WIRE
  - (a) Disconnect the generator connector.
  - (b) Remove the nut, and disconnect the generator wire and wire clip.

**13. DISCONNECT HEATER HOSES**

- (a) Remove the bolt and hose clamp.
- (b) Disconnect the heater hoses.

**14. DISCONNECT HOSES**

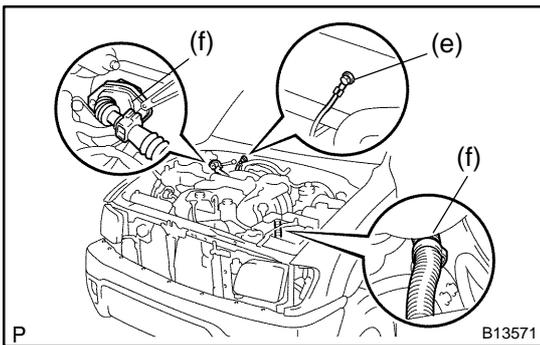
- (a) Disconnect the brake booster vacuum hose.
- (b) Disconnect the EVAP hose.
- (c) w/ PS:  
Disconnect the 2 air hoses for PS idle-up.
- (d) Disconnect the fuel return hose.
- (e) Disconnect the fuel inlet hose.

**15. w/ PS:**

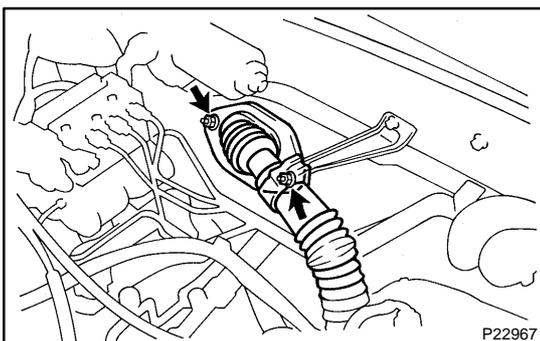
**REMOVE PS PUMP FROM ENGINE (See page EM-34)**

**16. DISCONNECT ENGINE WIRE FROM CABIN**

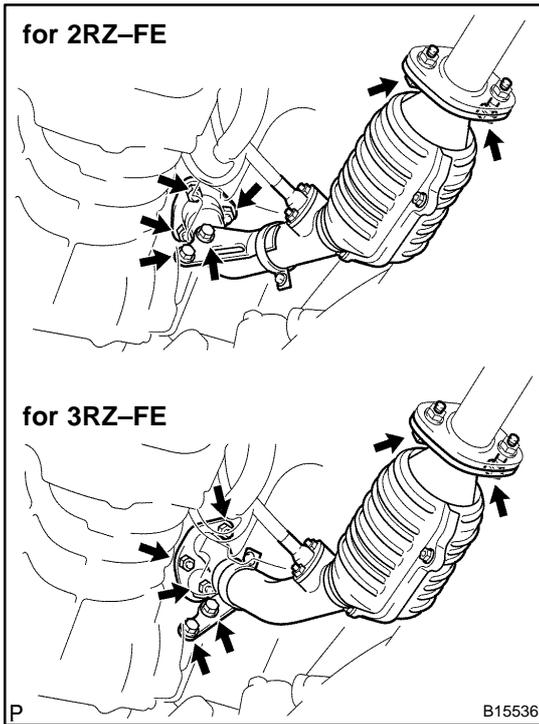
- (a) Remove the glove compartment.
- (b) Remove the lower finish No.2 panel.
- (c) Disconnect the 4 ECM connectors.
- (d) Disconnect the 2 cassette connectors (cowl wire to engine wire) and 2 wire clamps from the lower finish panel.



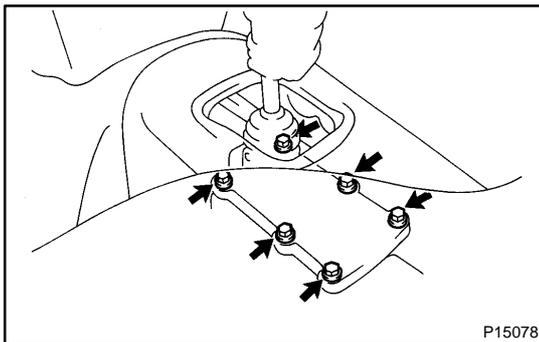
- (e) Disconnect the ground strap from cowl top panel.
- (f) Disconnect the 2 engine wire clamps.



- (g) Remove 2 nuts holding the engine wire retainer to the cowl panel and pull out the engine wire from the cabin.

**17. REMOVE No.1 EXHAUST PIPE (WITH TWC)**

- (a) Disconnect the A/F sensor connector.
- (b) Remove the 2 bolts holding the support bracket to the transmission.
- (c) Remove the 2 bolts holding the No.1 exhaust pipe to the No.2 exhaust pipe.
- (d) Remove the 3 nuts, the No.1 exhaust pipe and 2 gaskets (2RZ-FE) or 3 gaskets (3RZ-FE).

**18. M/T:****REMOVE SHIFT LEVER ASSEMBLY**

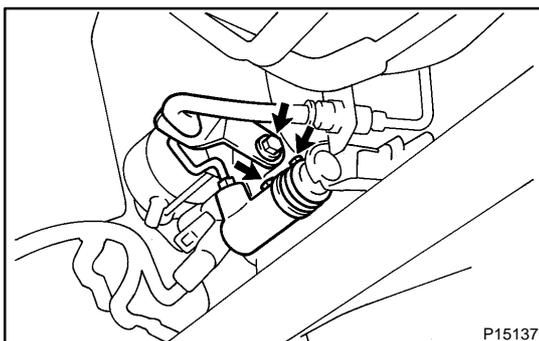
- (a) Remove the shift lever knob.
- (b) Remove the 4 screws and shift lever boot.
- (c) Remove the 6 bolts, shift lever assembly and baffle.

**NOTICE:**

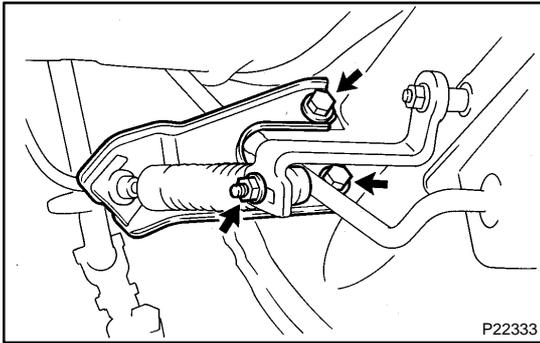
Do not lose the washers.

**19. REMOVE PROPELLER SHAFT (See page PR-3)****20. DISCONNECT SPEEDOMETER CABLE****NOTICE:**

Do not lose the felt protector and washers.

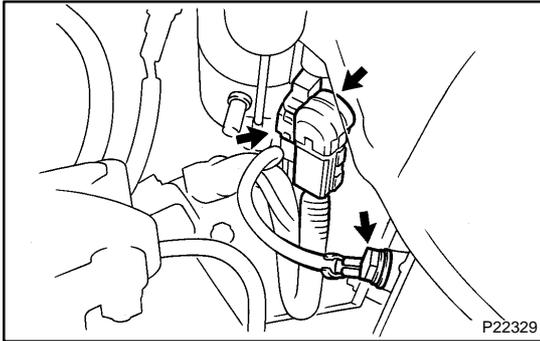
**21. M/T:****REMOVE CLUTCH RELEASE CYLINDER**

- (a) Remove the 2 bolts, and disconnect the clutch release cylinder from the clutch housing.
- (b) Remove the bolt and disconnect the clutch line.



**22. A/T:  
REMOVE CROSS SHAFT**

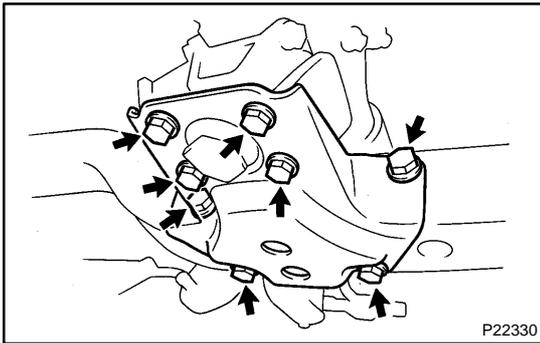
Remove the 2 bolts and nut, and disconnect bracket from the transmission.



**23. DISCONNECT STARTER WIRE**

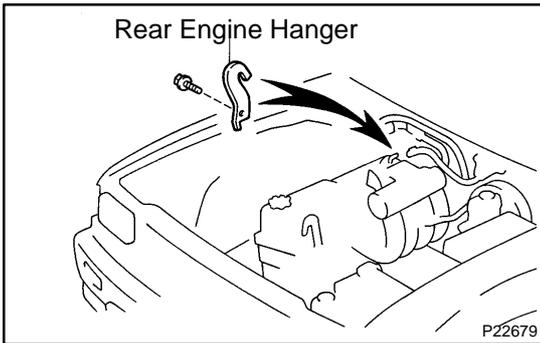
- (a) Remove the nut and disconnect the starter wire.
- (b) Disconnect the starter connector.
- (c) Remove the bolt and disconnect ground strap.

**24. PLACE JACK UNDER TRANSMISSION**



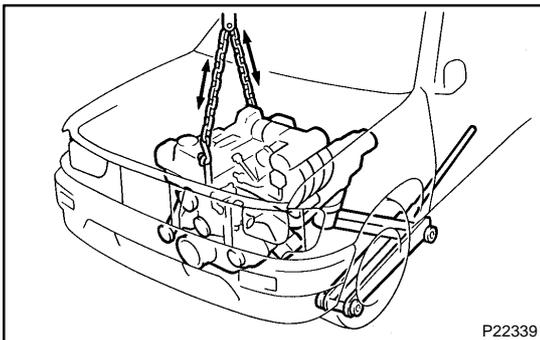
**25. REMOVE ENGINE REAR MOUNTING BRACKET**

Remove the 8 bolts holding the mounting bracket to the mounting insulator and cross member.

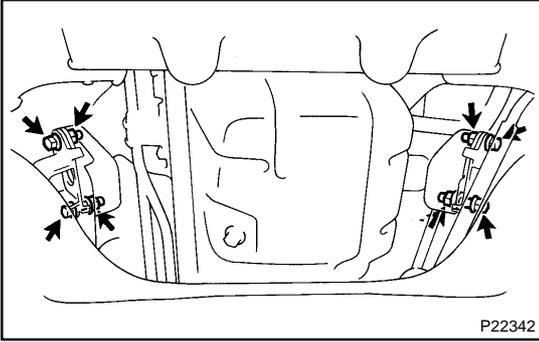


**26. REMOVE ENGINE WITH TRANSMISSION**

- (a) Install a rear engine hanger in the correct direction.  
Part No.:  
No.2 engine hanger 12282-75020  
Bolt 91512-61020  
**Torque: 42 N·m (420 kgf-cm, 30 ft-lbf)**



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



- (c) Remove the 4 bolts and nuts holding the engine front mounting insulators to the frame.
- (d) Lift the engine with transmission out of the vehicle slowly and carefully.

**NOTICE:**

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

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

**27. SEPARATE ENGINE AND TRANSMISSION**