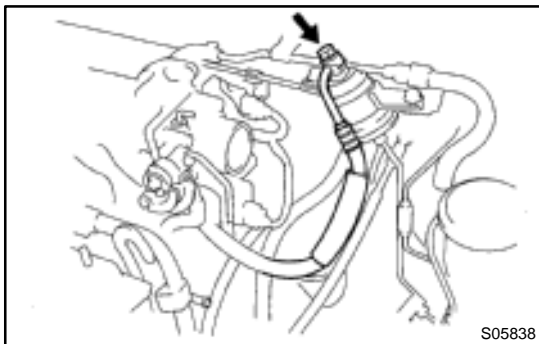


REMOVAL

1. REMOVE BATTERY
2. REMOVE HOOD
3. REMOVE ENGINE UNDER COVERS
4. DRAIN ENGINE COOLANT
5. DRAIN TRANSAXLE OIL (FLUID)
6. DISCONNECT VSV FOR EVAP BRACKET
7. REMOVE AIR CLEANER ASSEMBLY WITH AIR INTAKE CONNECTOR
8. REMOVE RADIATOR
(See page [CO-16](#))
9. DISCONNECT ACCELERATOR CABLE

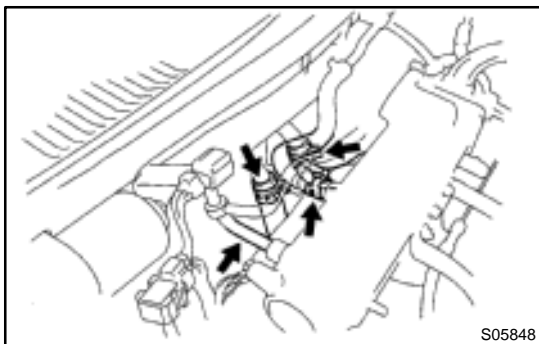


10. DISCONNECT FUEL HOSE

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

NOTICE:

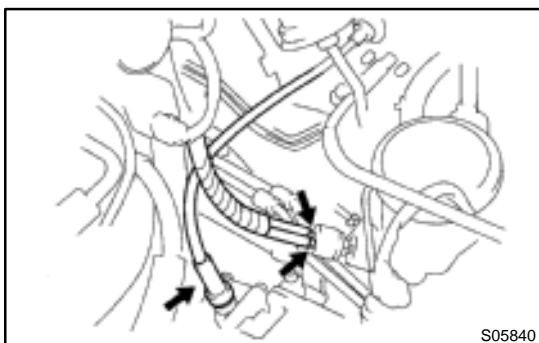
Catch leaking fuel in a container.



11. DISCONNECT HOSES

Disconnect these hoses:

- Brake booster vacuum hose
- MAP sensor hose
- Heater hoses



12. DISCONNECT SPEEDOMETER CABLE FROM TRANSAXLE

13. w/ PS:

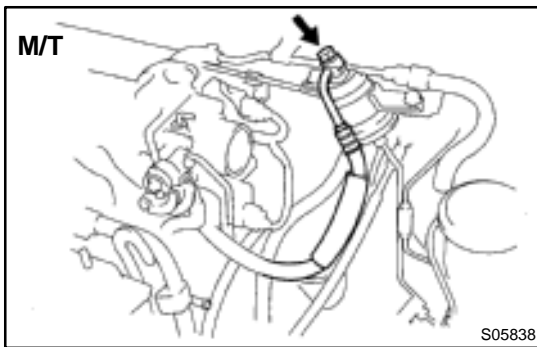
DISCONNECT IDLE-UP AIR HOSES FROM AIR CONTROL VALVE

14. DISCONNECT ENGINE WIRE HARNESS

Disconnect these connectors and wires:

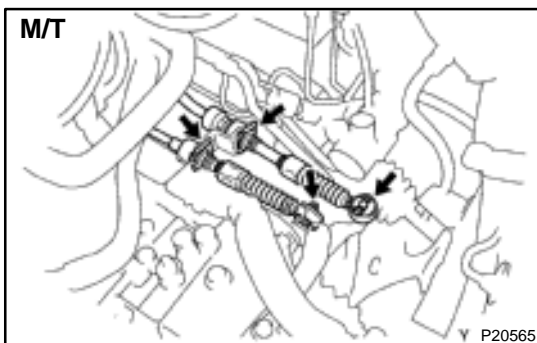
- Oxygen sensor connector
- Oil pressure switch connector

- Engine coolant temperature sender gauge connector
- Engine coolant temperature sensor connector
- Camshaft position sensor connector
- Fan engine coolant temperature switch connector
- A/T only:
Lock-up solenoid connector
- A/T only:
Park/Neutral position switch connector
- M/T only:
Backup light switch connector
- A/T only:
No.2 vehicle speed sensor connector
- Ground strap
- Throttle position sensor connector
- IAC valve connector
- Injector connectors
- Crankshaft position sensor connector
- Knock sensor connector
- Starter connector and wire
- Generator connector and wire



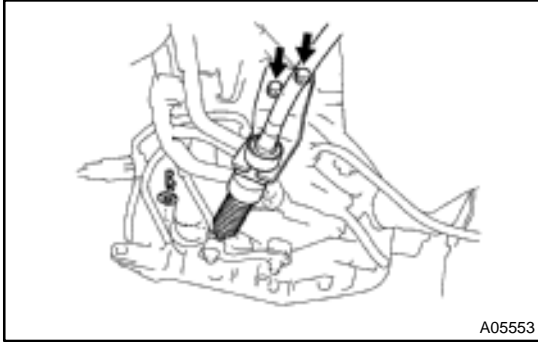
15. M/T:
REMOVE CLUTCH RELEASE CYLINDER WITHOUT DISCONNECTING TUBE

- (a) Remove the 3 bolts, release cylinder and tube from the transaxle.
- (b) Disconnect the ground strap.



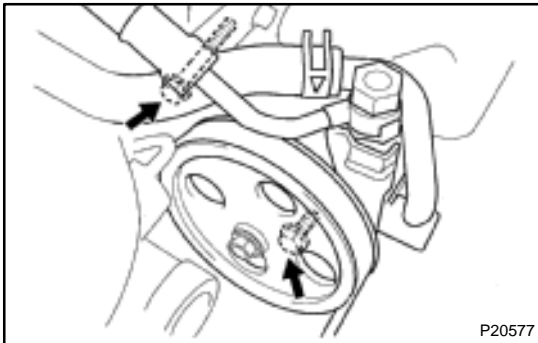
16. M/T:
DISCONNECT CONTROL CABLE(S) FROM TRANSAXLE

- (a) Remove the clips, plate washers and retainers.
- (b) Disconnect the control cable from the transaxle.



**17. A/T:
DISCONNECT CONTROL CABLE(S) FROM
TRANSAXLE**

- (a) Remove the clip and plate washer.
- (b) Remove the 2 bolts from the LH engine mounting bracket.
- (c) Disconnect the control cable from the transaxle.

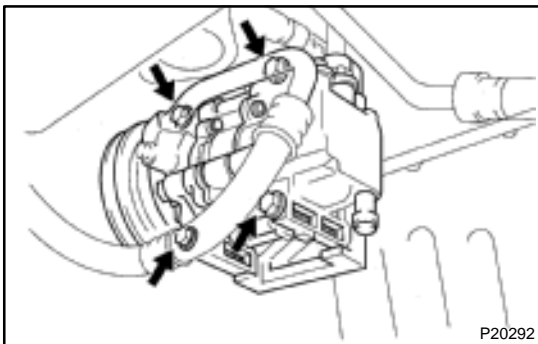


**18. w/ PS:
REMOVE PS PUMP WITHOUT DISCONNECTING
HOSES**

- (a) Loosen the 2 bolts, and remove the PS drive belt.
- (b) Remove the 2 bolts, and disconnect the PS pump from the engine.

HINT:

Put aside the PS pump, and suspend it.

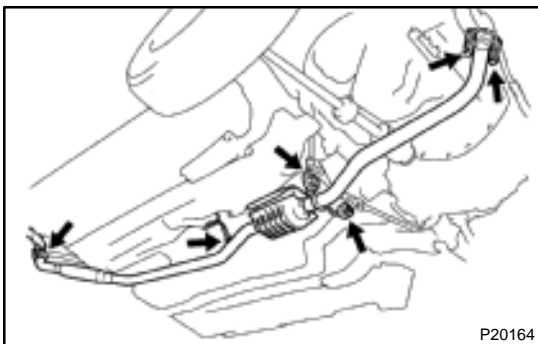


**19. w/ A/C:
REMOVE A/C COMPRESSOR**

- (a) Disconnect the compressor connector.
- (b) Remove the 4 compressor mounting bolts.

HINT:

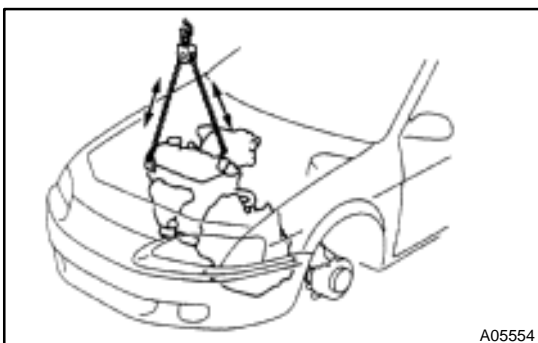
Put aside the compressor, and suspend it.



20. REMOVE FRONT EXHAUST PIPE

- (a) Disconnect the heated oxygen sensor.
- (b) Remove the 2 bolts, compression springs and disconnect the exhaust pipe.
- (c) Remove the bolts and rear clamp.
- (d) Disconnect the 2 rings and remove the front exhaust pipe.

21. REMOVE DRIVE SHAFTS (See page SA-18)



**22. REMOVE ENGINE WITH TRANSAXLE FROM
VEHICLE**

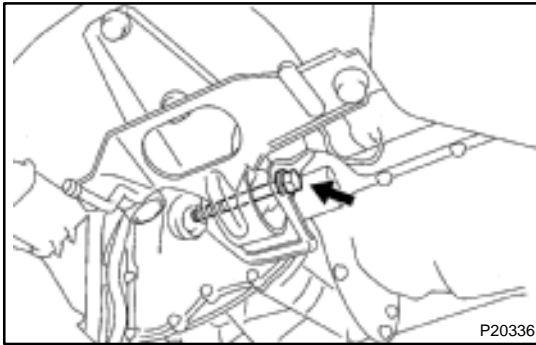
- (a) Install the No.1 engine hanger in the correct direction.

Part No.:

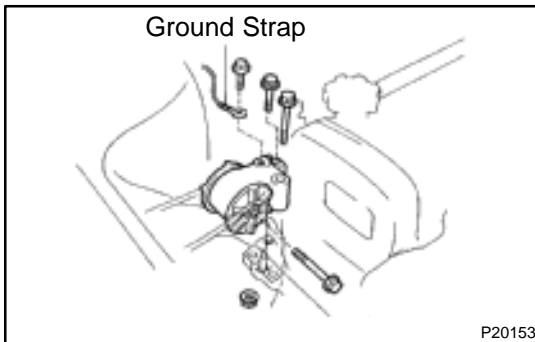
No.1 engine hanger 12281-11031

Bolt 91642-80825

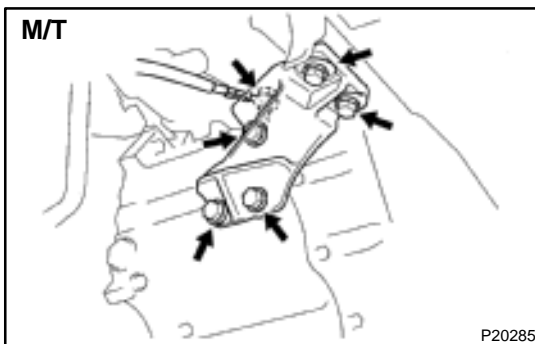
- (b) Attach the engine sling device to the engine hangers.



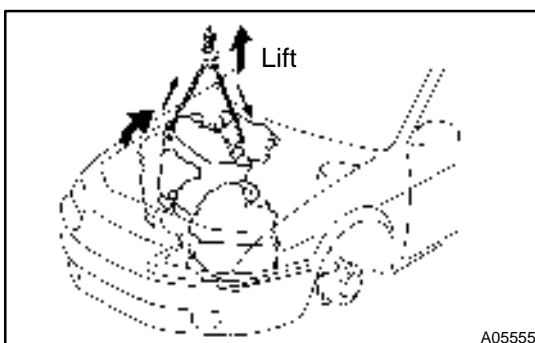
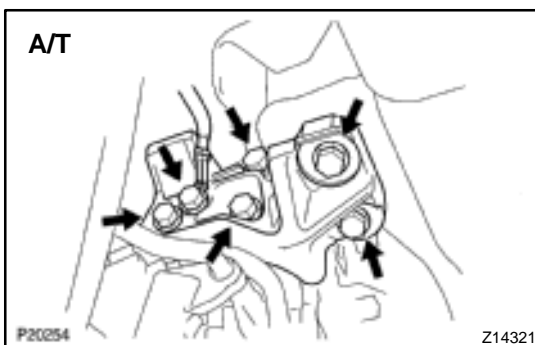
- (c) Remove the rear engine mounting insulator through bolt.
- (d) Remove charcoal canister (See page [EM-13](#)).



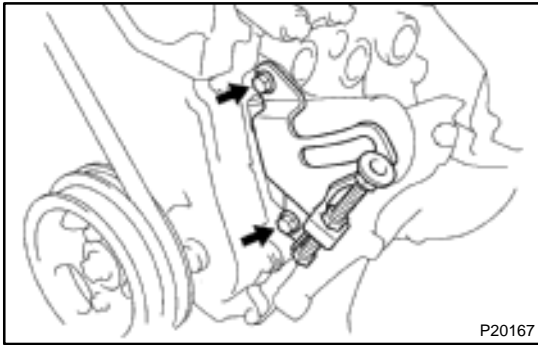
- (e) Remove the bolt and disconnect the ground strap.
- (f) Remove the through bolt, 2 bolts, nut and RH engine mounting insulator.



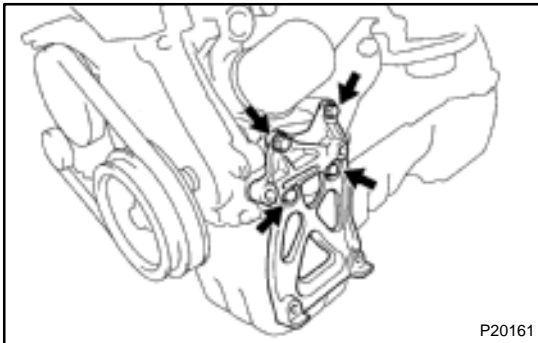
- (g) Remove the bolt and disconnect the ground strap.
- (h) Remove the 5 bolts and LH engine mounting bracket.



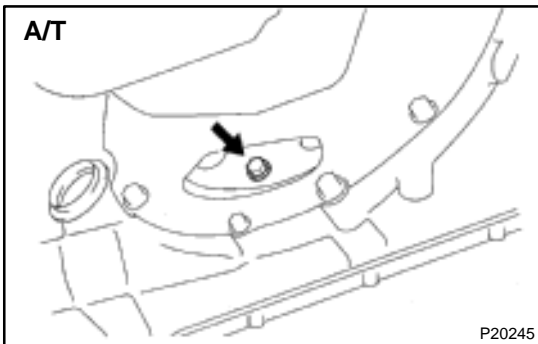
- (i) Lift the engine out of the vehicle slowly and carefully.
- HINT:
Clear the battery carrier support while lowering the transaxle.
- (j) Place the engine with the transaxle onto the stand.

**23. w/ PS:****REMOVE PS PUMP ADJUSTING STRUT**

Remove the 2 bolts and PS pump adjusting strut.

**24. w/ A/C:****REMOVE A/C COMPRESSOR MOUNTING BRACKET**

Remove the 4 bolts and compressor mounting bracket.

**25. A/T:****REMOVE TORQUE CONVERTER CLUTCH MOUNTING BOLTS**

- (a) Remove the engine rear end plate hole cover.
- (b) Turn the crankshaft to gain access to each bolt.
- (c) Hold the crankshaft pulley bolt with a wrench.
- (d) Remove the 6 bolts.

26. REMOVE STARTER (See page [ST-4](#) or [ST-18](#))**27. SEPARATE ENGINE AND TRANSAXLE**