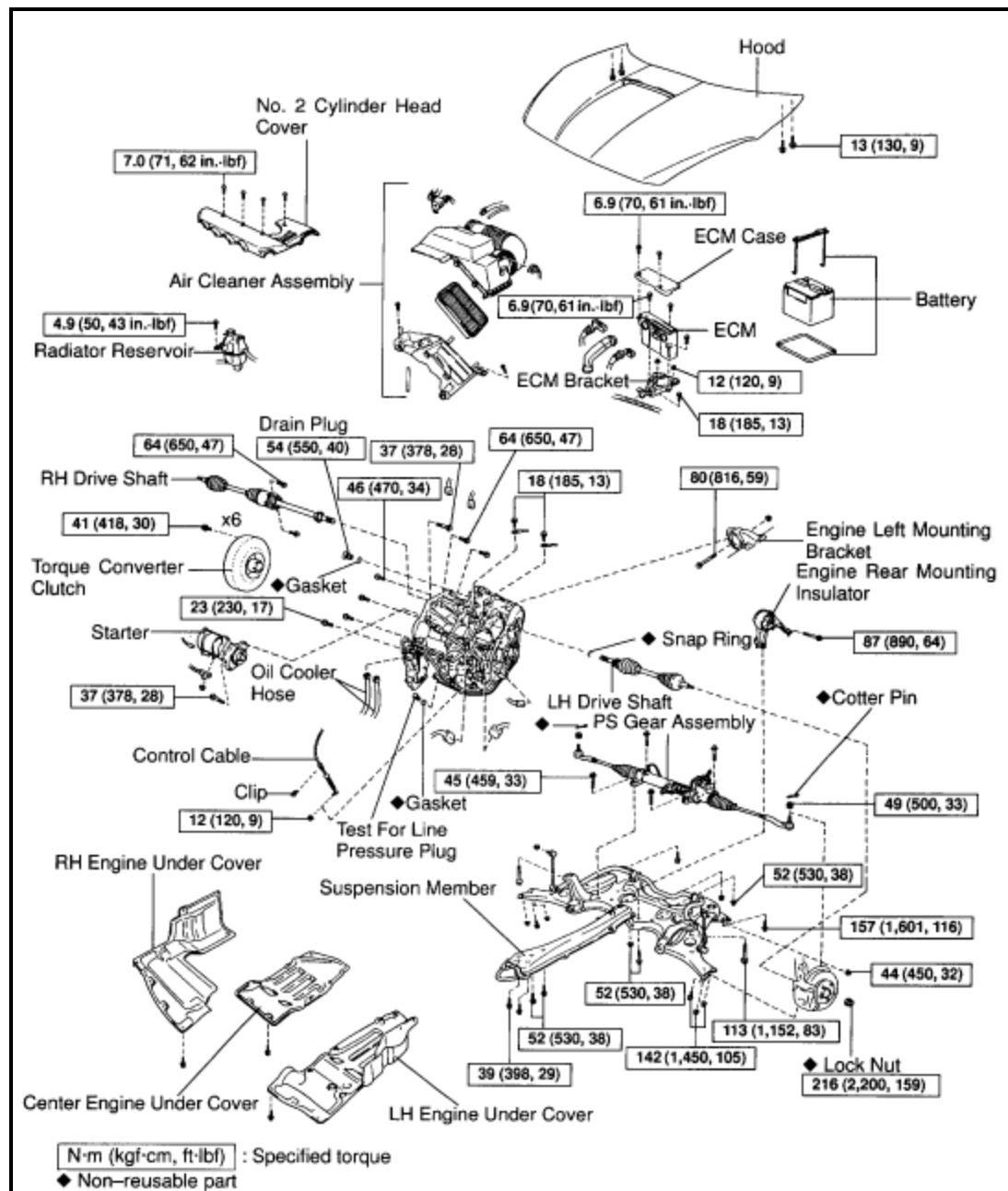


Removal and Installation

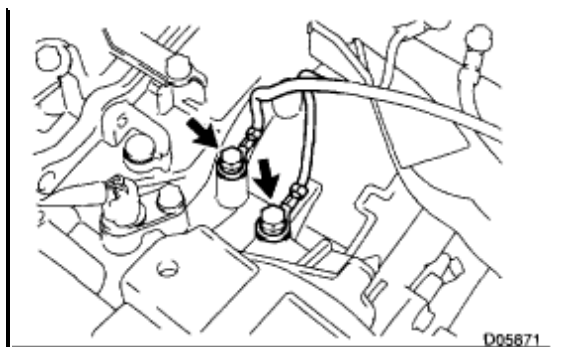


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REMOVAL

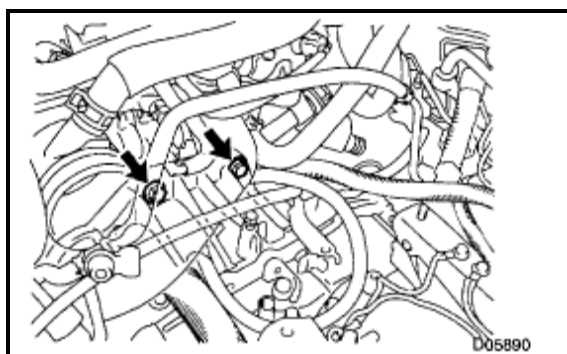
1. REMOVE HOOD Torque: 13 Nm (130 kgf-cm, 9 ft. lbs.)
2. REMOVE BATTERY
3. REMOVE ECM AND ECM [CASE](#) Torque: 6.9 Nm (70 kgf-cm, 61 inch lbs.)
4. REMOVE ECM BRACKET Torque: Bolt: 18 Nm (185 kgf-cm, 13 ft. lbs.) Nut: 12 Nm (120 kgf-cm, 9 ft. lbs.)
5. REMOVE AIR CLEANER ASSEMBLY
6. REMOVE NO.2 CYLINDER HEAD COVER Torque: 7.0 Nm (71 kgf-cm, 62 inch lbs.)



ZOOM

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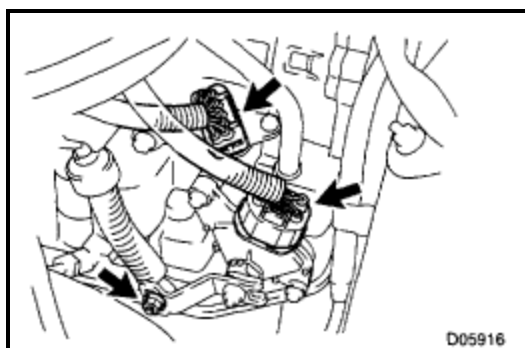
7. REMOVE 2 GROUND CABLES Torque: **18 Nm (185 kgf-cm, 13 ft. lbs.)**
8. DISCONNECT [CONTROL CABLE](#) FROM CLAMP
9. DISCONNECT INPUT TURBINE SPEED SENSOR CONNECTOR
10. DISCONNECT COUNTER GEAR SPEED SENSOR CONNECTOR
11. REMOVE VEHICLE SPEED SENSOR CONNECTOR



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12. REMOVE 2 UPPER SIDE TRANSAXLE MOUNTING BOLTS FROM TRANSAXLE Torque: **64 Nm (650 kgf-cm, 47 ft. lbs.)**



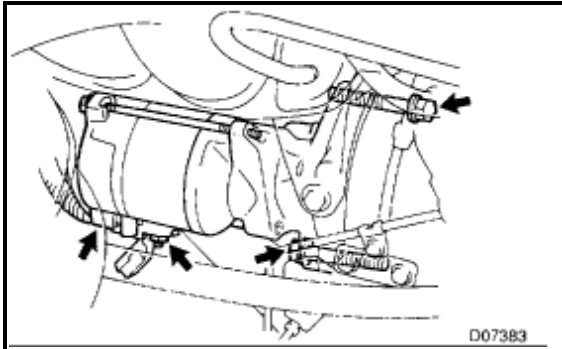
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13. DISCONNECT SOLENOID CONNECTOR AND [PARK/NEUTRAL POSITION SWITCH](#) CONNECTOR
Disconnect the solenoid connector and [park/neutral position switch](#) connector.
14. DISCONNECT [CONTROL CABLE](#)

- a) Remove the nut from the control shift lever.
Torque: **12 Nm (120 kgf-cm, 9 ft. lbs.)**
- b) Remove the clip and disconnect the [control cable](#).

15. REMOVE BOLT AND DISCONNECT RADIATOR RESERVOIR Torque: **4.9 Nm (50 kgf-cm, 43 inch lbs.)**



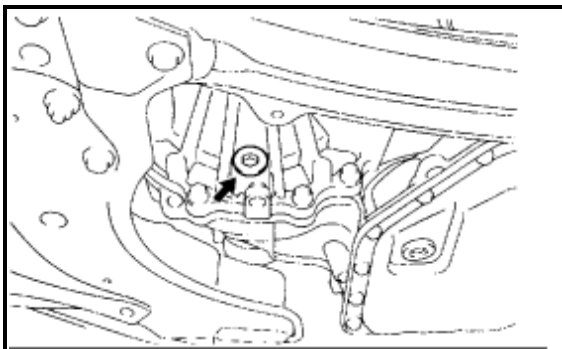
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16. REMOVE STARTER

- a) Remove the nut and wire, and disconnect the connector.
- b) Remove the 2 bolts and starter.
Torque: **37 Nm (378 kgf-cm, 28 ft. lbs.)**

17. REMOVE LH, RH, CENTER ENGINE UNDER COVERS

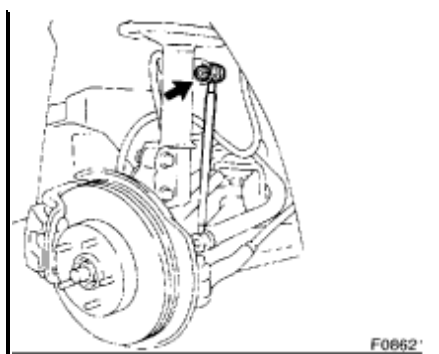


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18. DRAIN [ATE](#) FROM FRONT DIFFERENTIAL [CASE](#) Torque: **54 Nm (550 kgf-cm, 40 ft. lbs.)**
19. REMOVE LH AND RH DRIVE SHAFTS.

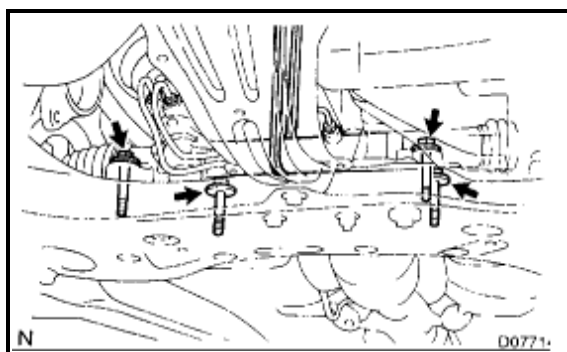




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20. DISCONNECT LH AND RH STABILIZER BAR LINKS FROM SHOCK ABSORBER Torque: **44 Nm (450 kgf-cm, 32 ft. lbs.)**

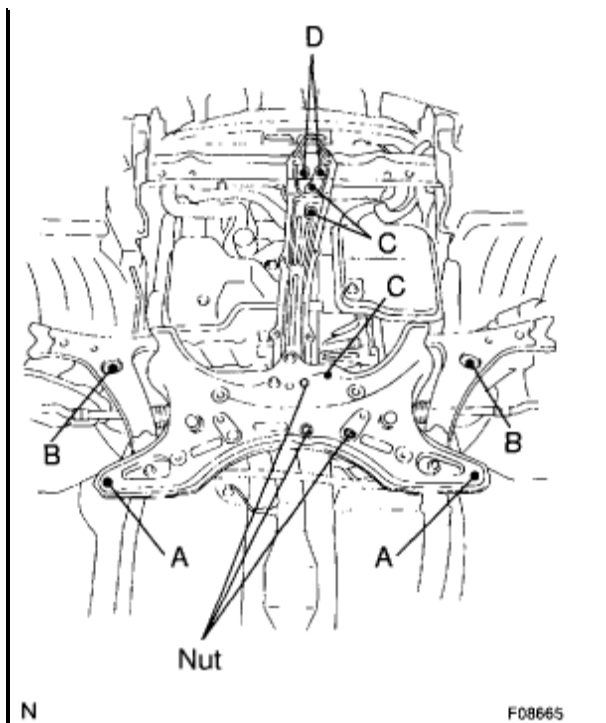


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21. REMOVE 4 BOLTS AND DISCONNECT PS GEAR ASSEMBLY **HINT:** Support the PS gear assembly securely. Torque: **45 Nm (459 kgf-cm, 33 ft. lbs.)**





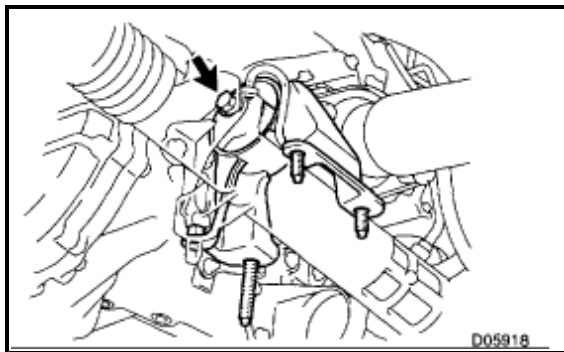
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22. REMOVE SUSPENSION MEMBER

- a) Remove the 9 bolts and 3 nuts.
Torque:
Bolt A: **157 Nm (1,601 kgf-cm, 116 ft. lbs.)**

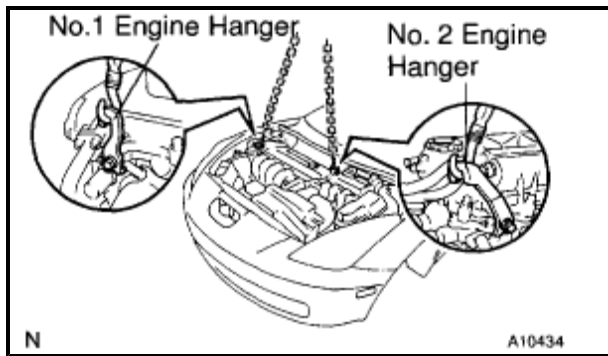
Bolt B: **113 Nm (1,152 kgf-cm, 83 ft. lbs.)**
Bolt C: **52 Nm (530 kgf-cm, 38 ft. lbs.)**
Bolt D: **39 Nm (398 kgf-cm, 29 ft. lbs.)**
Nut: **52 Nm (530 kgf-cm, 38 ft. lbs.)**
- b) Remove the suspension member.



ZOOM

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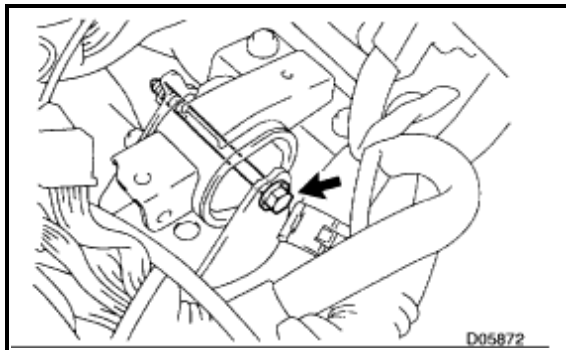
23. REMOVE ENGINE REAR MOUNTING INSULATOR Remove the bolt and engine rear mounting insulator.
Torque: **87 Nm (890 kgf-cm, 64 ft. lbs.)**

[ZOOM](#)[SIZED FOR PRINT](#)

24. ATTACH ENGINE SLING DEVICE TO ENGINE HANGERS

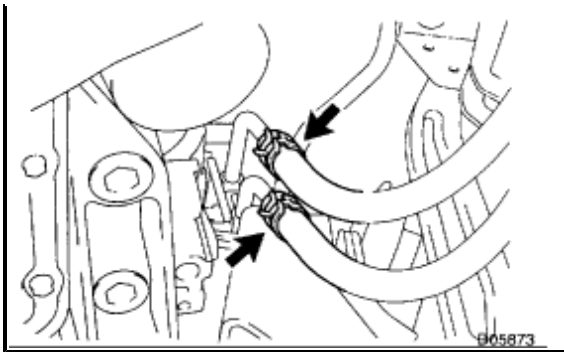
- a) Disconnect the 2 PCV hoses.
- b) Install the No.1 and No.2 engine hangers in the correct direction.
Parts No.
No.1 engine hanger: 12281-88600
No.2 engine hanger: 12282-88600
Bolt: 91512-61020
Torque: **38 Nm (387 kgf-cm, 28 ft. lbs.)**
- c) Attach the engine chain hoist to the engine hangers.

CAUTION: Do not attempt to hang the engine by hooking the chain to any other part.

[ZOOM](#)[SIZED FOR PRINT](#)

25. REMOVE UPPER SIDE ENGINE LEFT MOUNTING, NUT AND BOLT Torque: **80 Nm (816 kgf-cm, 59 ft. lbs.)**

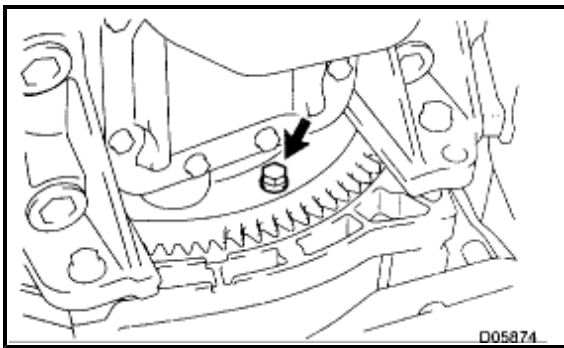




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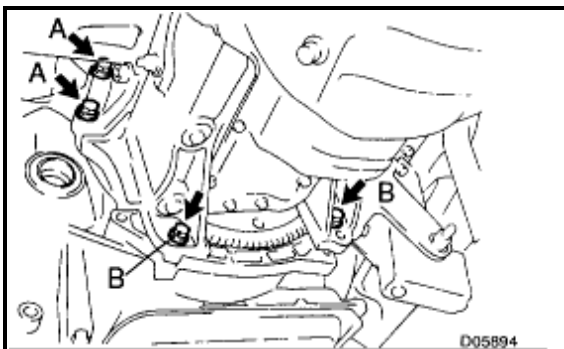
26. REMOVE OIL COOLER HOSE Loosen the 2 clips and disconnect the 2 oil cooler hoses.
 27. SUPPORT TRANSAXLE WITH A JACK



ZOOM

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28. REMOVE TORQUE CONVERTER CLUTCH MOUNTING BOLT Turn the crankshaft to gain access and remove the 6 bolts holding the crankshaft pulley set bolt with a wrench. Torque: **41 Nm (418 kgf-cm, 30 ft. lbs.)** **HINT:**
- At the time of installation, please refer to the following item.
 - First install black colored bolt and then 5 other bolts.



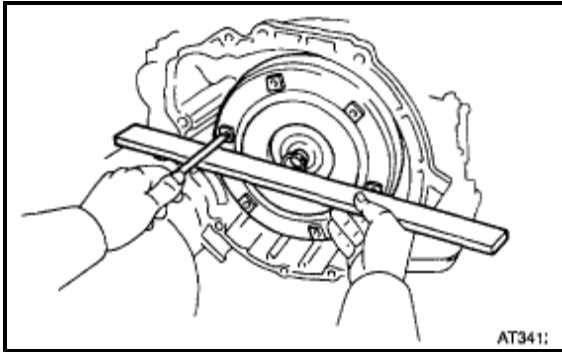
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29. REMOVE TRANSAXLE ASSEMBLY

- a) Remove the 4 bolts.
Torque:
A bolt: **46 Nm (470 kgf-cm, 34 ft. lbs.)**
B bolt: **23 Nm (230 kgf-cm, 17 ft. lbs.)**
- b) Separate the transaxle from engine, and lower the transaxle.

INSTALLATION

[ZOOM](#)[SIZED FOR PRINT](#)

1. **CHECK TORQUE CONVERTER CLUTCH INSTALLATION** Using calipers and a straight edge, measure the distance between the installed surface and the front surface of the transaxle housing. Correct distance: **More than 13.3 mm (0.524 inch)**
2. **TRANSAXLE INSTALLATION** Installation is in the reverse order of removal. **HINT:**
 - After installation, adjust the shift control cable and [park/neutral position switch](#).
 - Fill [ATF](#) and check the fluid level.
 - Perform the test drive of the vehicle.
 - Adjust the hood.