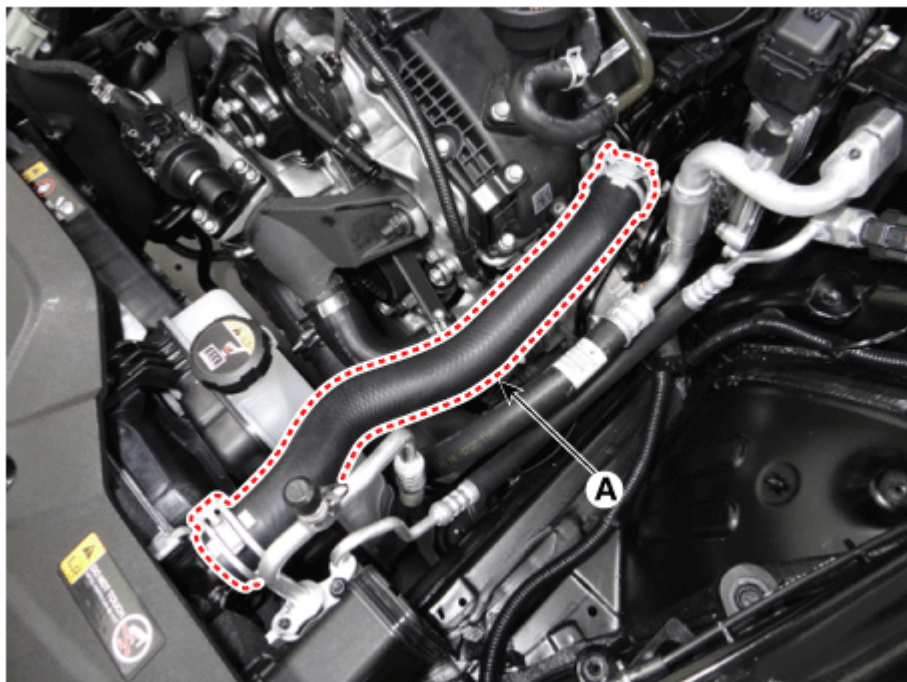


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REMOVAL AND INSTALLATION

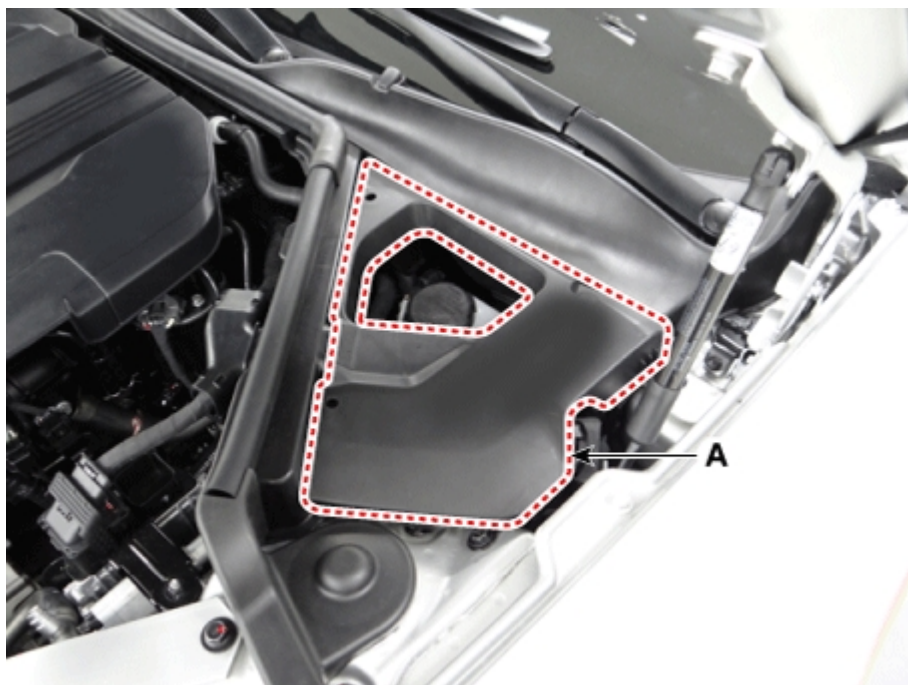
1. Remove the engine cover.
(Refer to Engine and Transmission Assembly - "Engine Cover")
2. Remove the engine room front and rear under cover.
(Refer to Engine and Transmission Assembly - "Engine Room Under Cover")
3. Drain the coolant.
(Refer to Cooling System - "Coolant")
4. Remove the LH air cleaner assembly.
(Refer to Intake and Exhaust System - "Air Cleaner")
5. Disconnect the radiator upper hose (A).



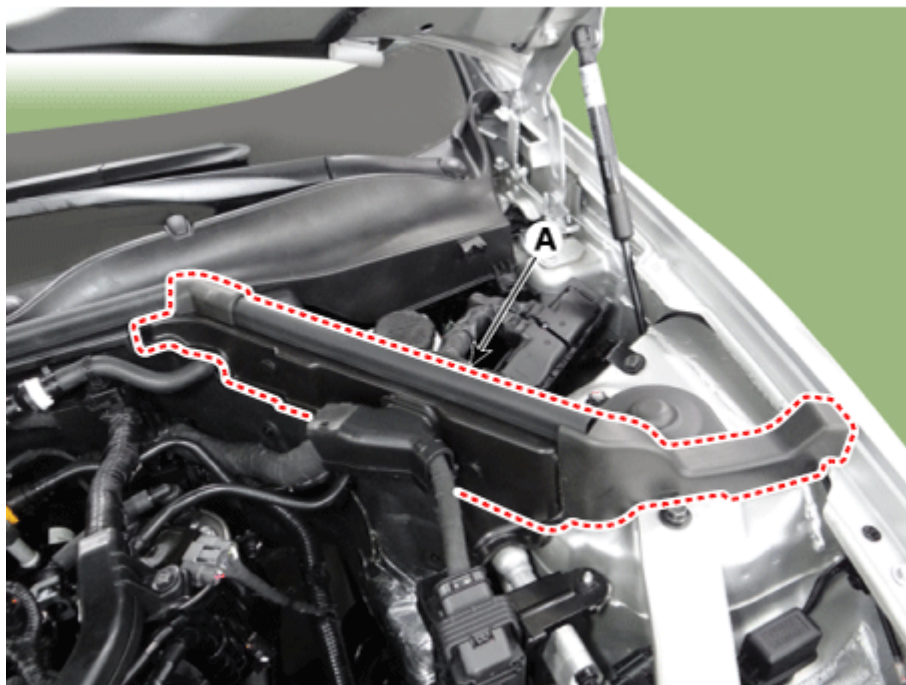
6. Disconnect the brake booster vacuum hose (A).



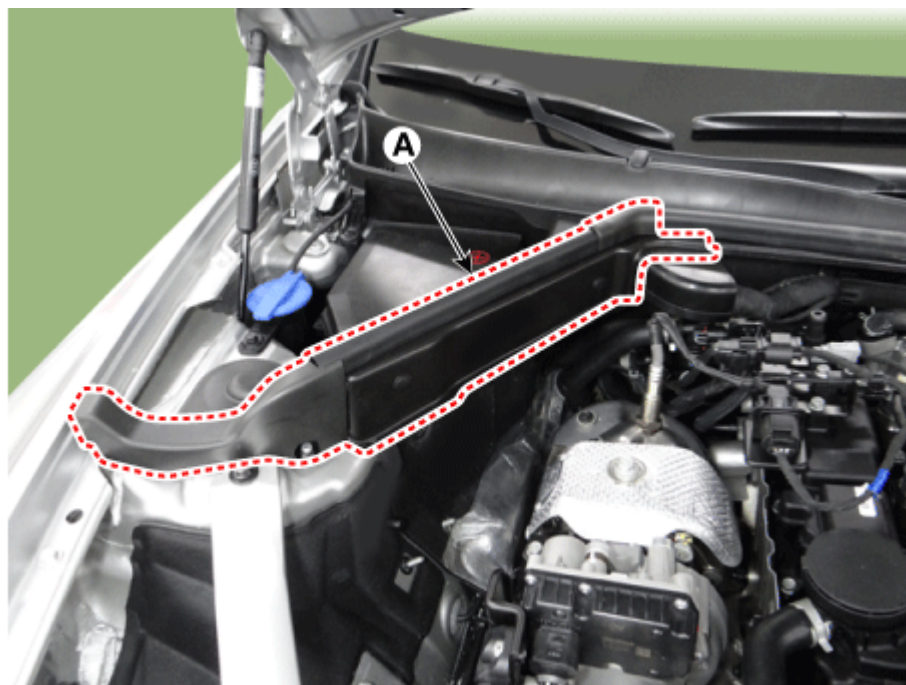
7. Remove the engine room cover (A).



8. Remove the LH hood sealing cover (A).

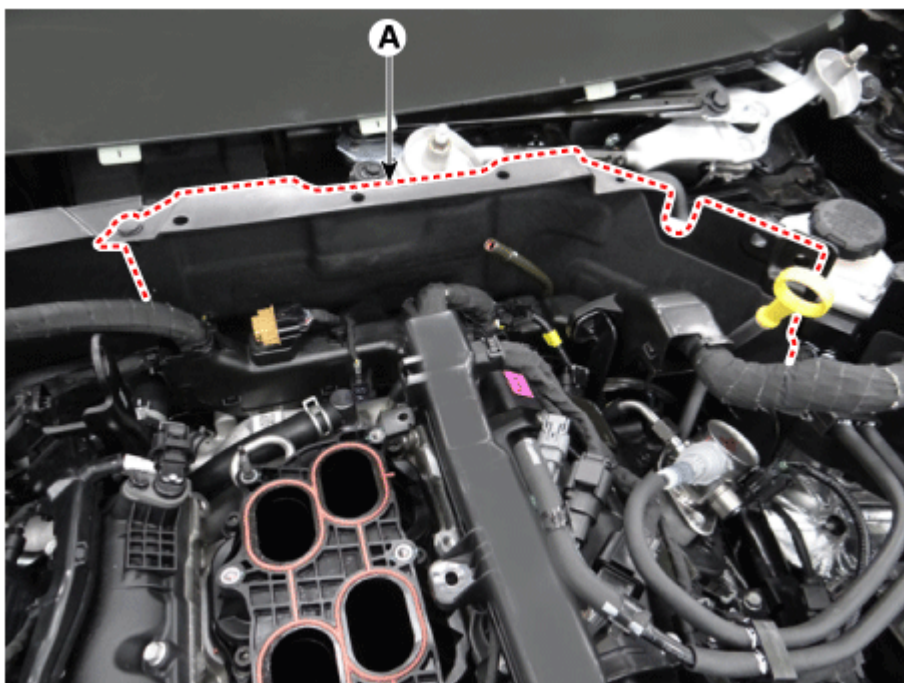


9. Remove the RH hood sealing cover (A).



10. Remove the cowl top cover.
(Refer to Body (Interior and Exterior) -"Cowl Top Cover")

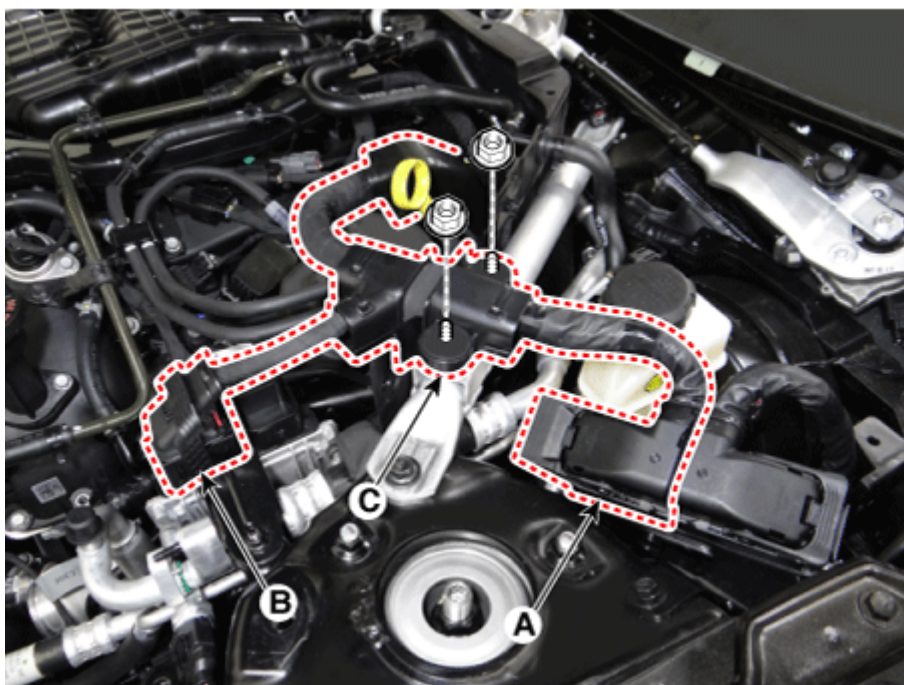
11. Remove the engine room panel (A).



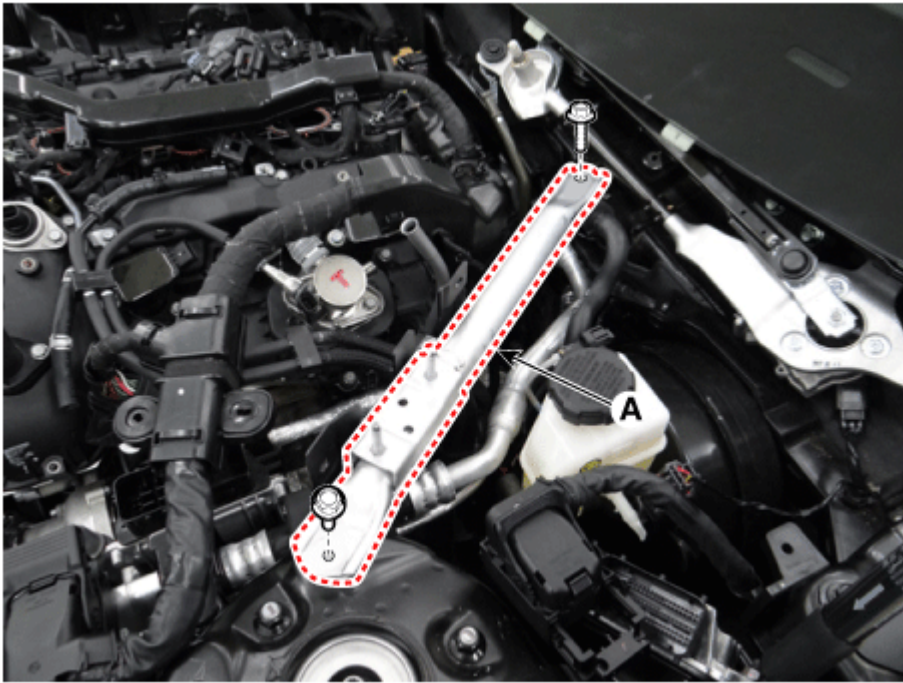
12. Disconnect the ECM connector (A) and TCM connector (B) and then remove the wiring protector (C).

Tightening torque :

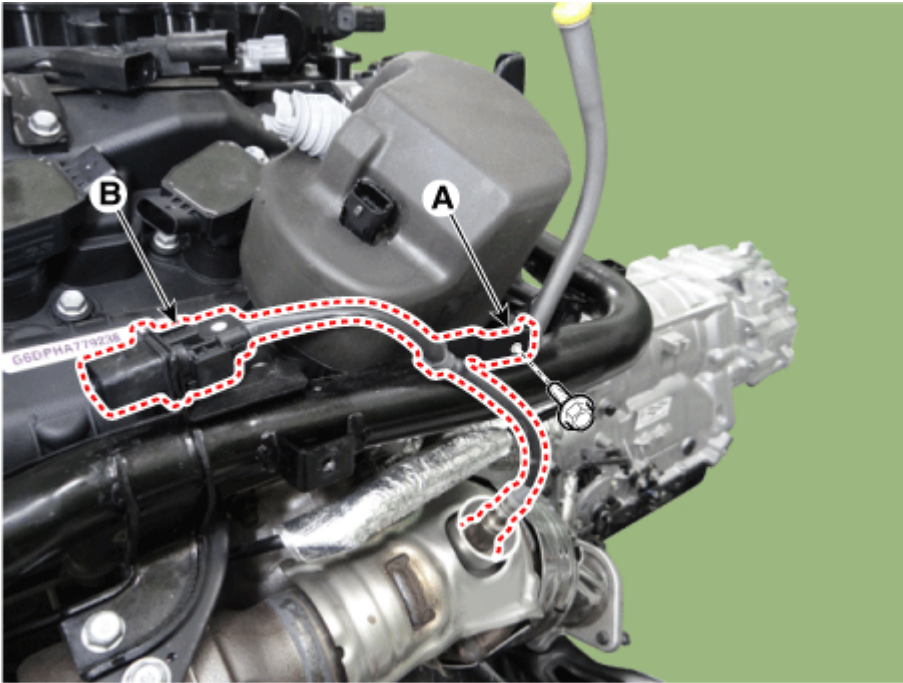
4.9 - 7.8 N·m (0.5 - 0.8 kgf·m, 3.6 - 5.8 lb·ft, 43.4 - 69.4 lb·in)



13. Remove the LH rear strut bar (A).



14. Remove the heated oxygen sensor (HO2S) wiring bracket (A) and heated oxygen sensor (HO2S) connector (B) from the water outlet pipe.

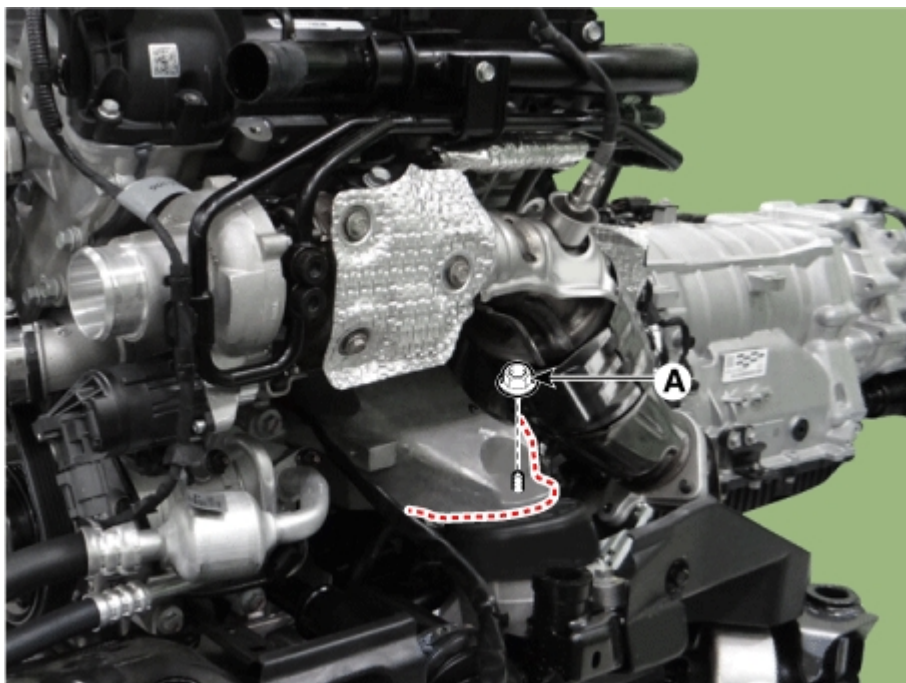


15. Remove the LH/RH engine mounting insulator nut (A).

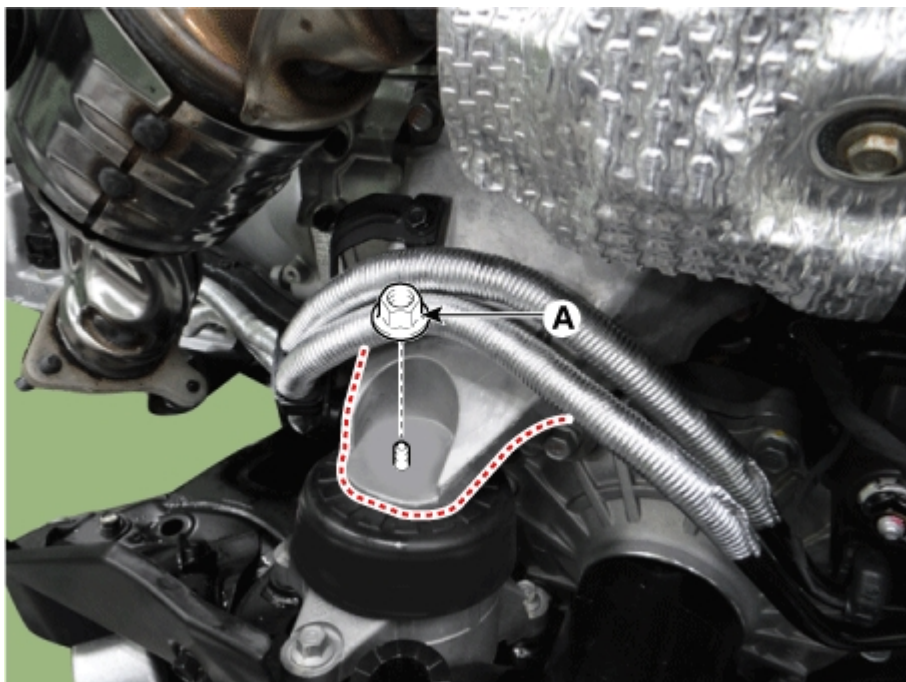
Tightening torque :

63.7 - 83.4 N·m (6.5 - 8.5 kgf·m, 47.0 - 61.5 lb-ft)

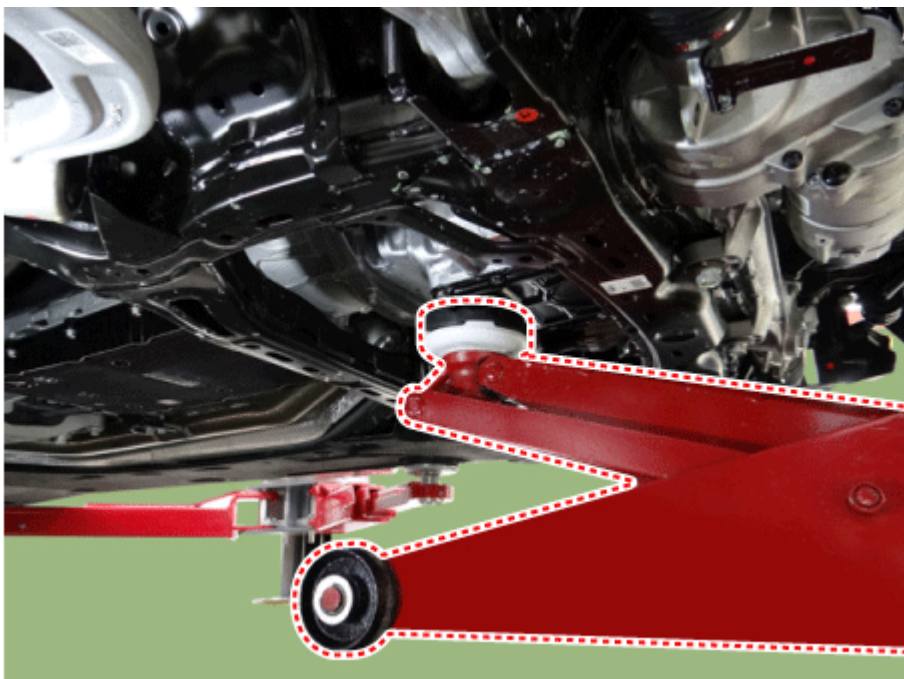
[LH]



[RH]



16. Set the jack to the edge of upper oil pan.

**NOTICE**

Place a wooden block between the jack and the oil pan to prevent damage to the upper oil pan.

17. Lift the engine slightly using the jack to obtain space for loosen the LH turbocharger water pipe eye bolt.
18. Loosen the LH turbocharger water pipe eye bolts (A) and mounting bolt (B).

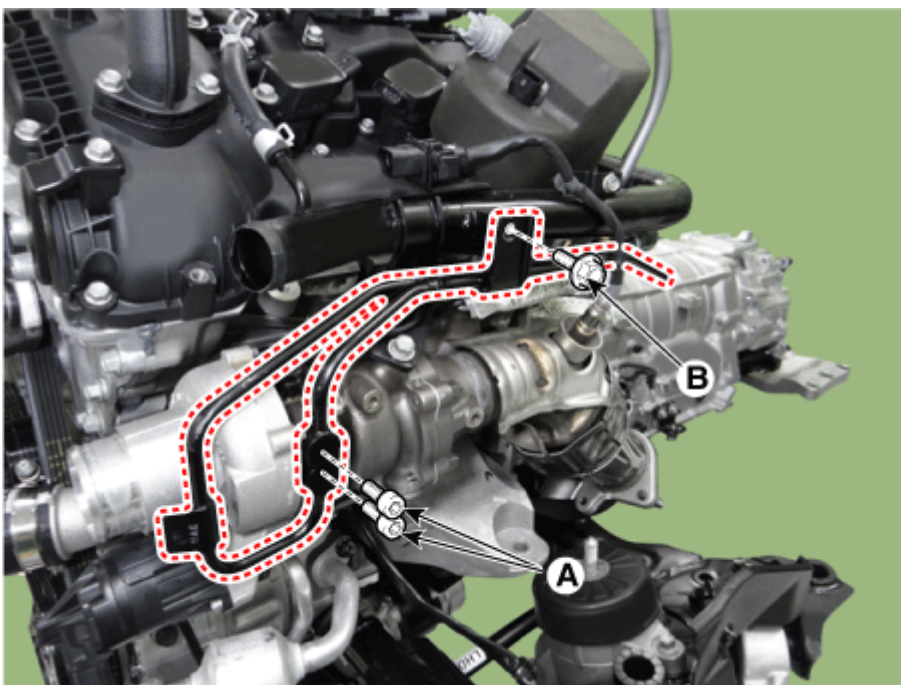
Tightening torque

Eye bolts :

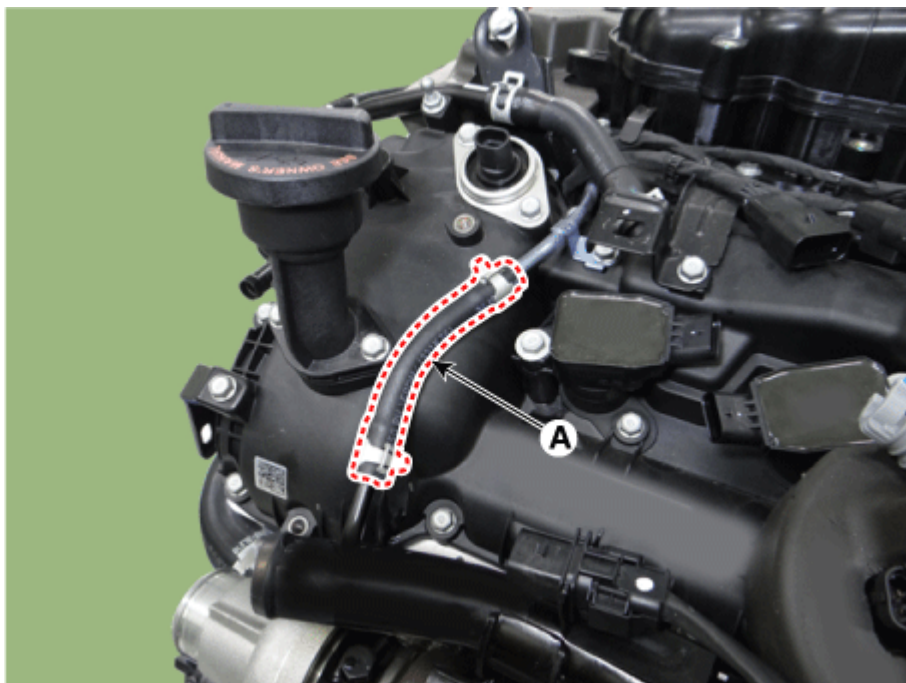
33.3 - 39.2 N·m (3.4 - 4.0 kgf·m, 24.6 - 28.9 lb·ft)

Bolt :

9.8 - 11.8 N·m (1.0 - 1.2 kgf·m, 7.2 - 8.7 lb·ft)



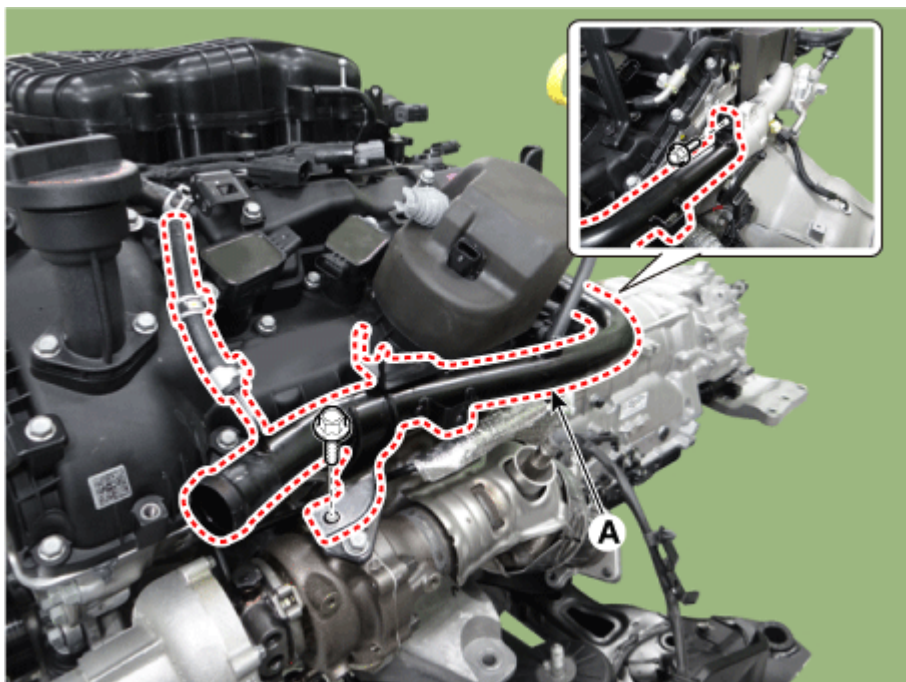
19. Disconnect the coolant hose (A).



20. Remove the water outlet pipe (A).

Tightening torque :

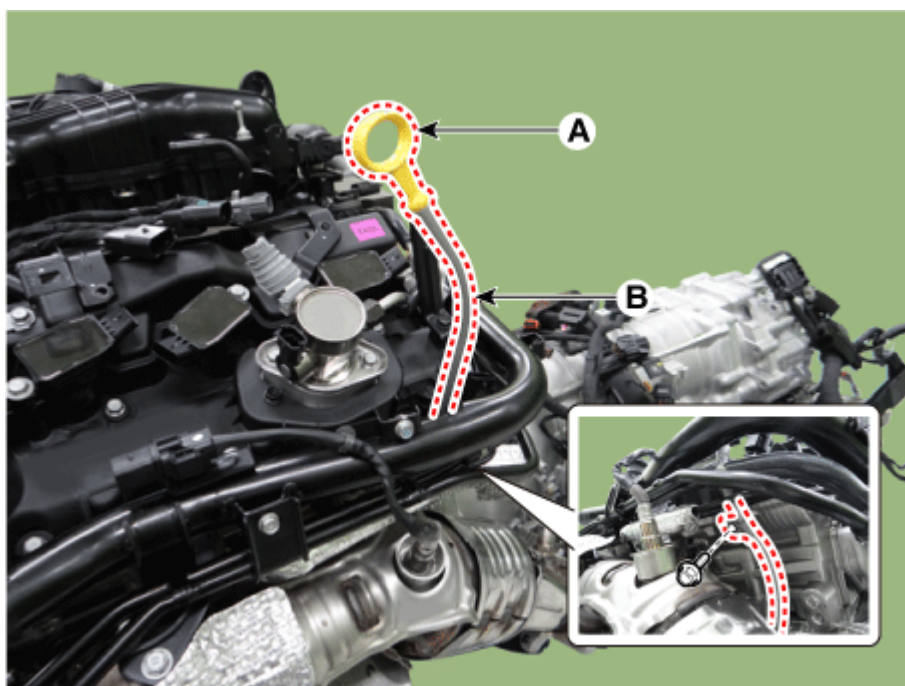
24.5 - 28.4 N·m (2.5 - 2.9 kgf·m, 18.1 - 21.0 lb·ft)



21. Remove the oil level gauge (A) and the oil level pipe (B).

Tightening torque:

17.7 - 21.6 N·m (1.8 - 2.2 kgf·m, 13.0 - 15.9 lb·ft)



22. Install in the reverse order of removal.

NOTICE

- When installing, apply engine oil to the O-ring and be careful not to damage the O-ring.
- Always use a new O-ring.

*** Thanks for your cooperation for the more quality. Please surely rate this document before closing.**