



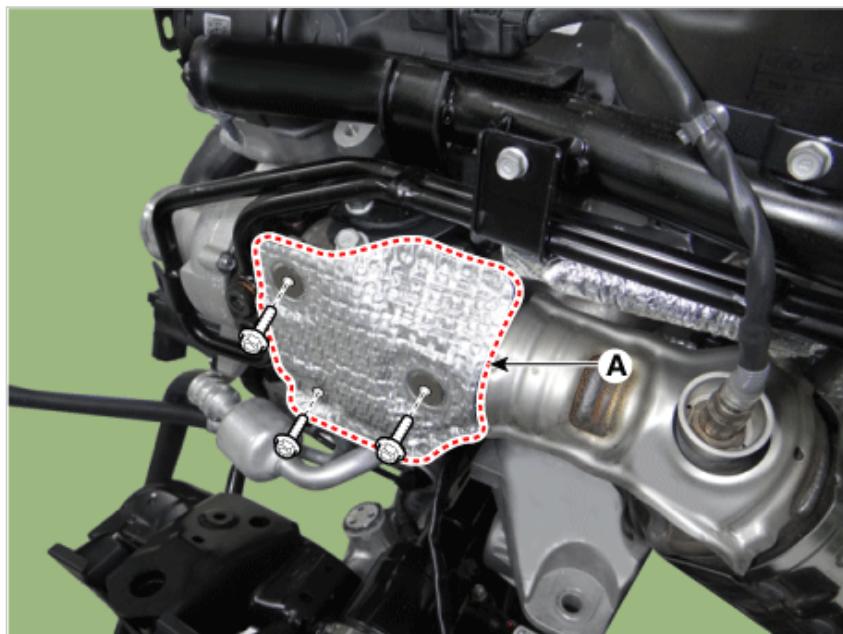
Removal

[WCC, Bank 1]

1. Switch "OFF" the ignition and disconnect the negative (-) battery terminal.
2. Remove the LH air cleaner.
[\(Refer to Engine Mechanical System - "Air Cleaner"\)](#)
3. Remove the TCM.
[\(Refer to Automatic Transmission System - "Transmission Control Module \(TCM\)"\)](#)
4. Remove the cowl top cover.
[\(Refer to Body \(Interior and Exterior\) -"Cowl Top Cover"\)](#)
5. Remove the engine room panel.
6. Remove the heated oxygen sensor (Bank 2/Sensor 1).
[\(Refer to Engine Control / Fuel System - " Heated Oxygen Sensor \(HO2S\)"\)](#)
7. Drain the coolant.
[\(Refer to Engine Mechanical System - "Coolant"\)](#)
8. Remove the front muffler.
[\(Refer to Engine Mechanical System - "Muffler"\)](#)
9. Remove the front sub frame.
[\(Refer to Suspension System - "Sub Frame"\)](#)
10. Remove the LH turbo manifold module heat protector (A).

Tightening torque :

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



11. Remove the LH turbocharger water hose & pipe (A)

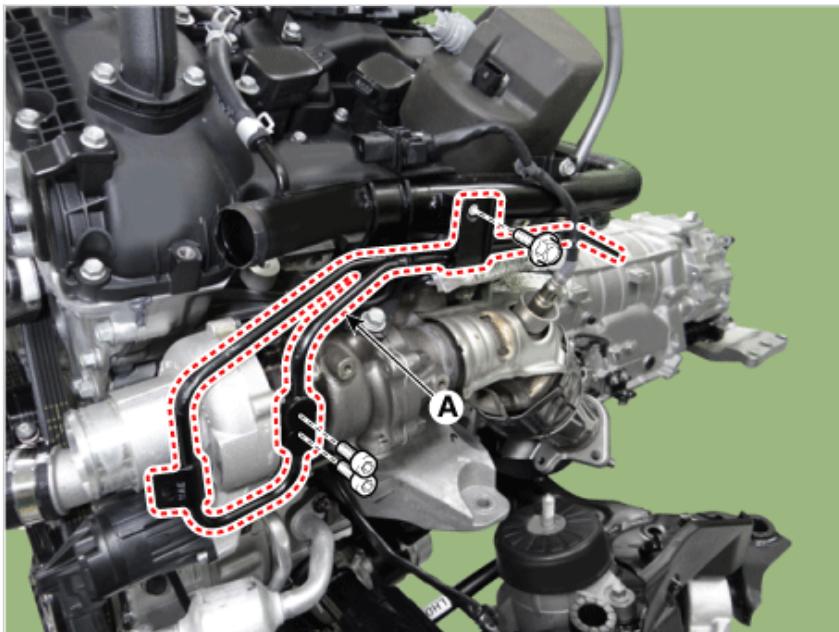
Tightening torque

Eye bolts :

33.3 - 39.2 N·m (3.4 - 4.0 kgf·m, 26.6 - 28.9 lb·ft)

Bolt :

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



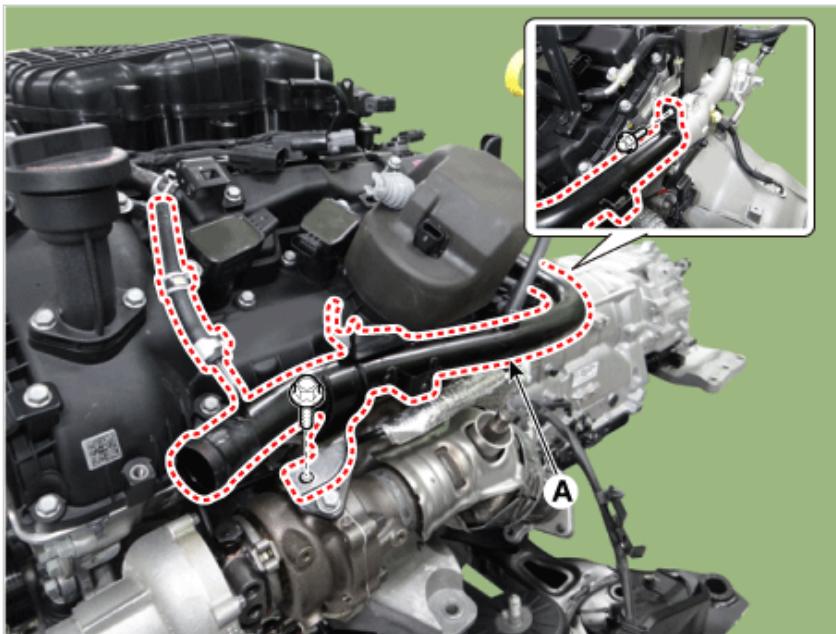
12. Disconnect the radiator upper hose (A).



13. Remove the water outlet pipe (A).

Tightening torque :

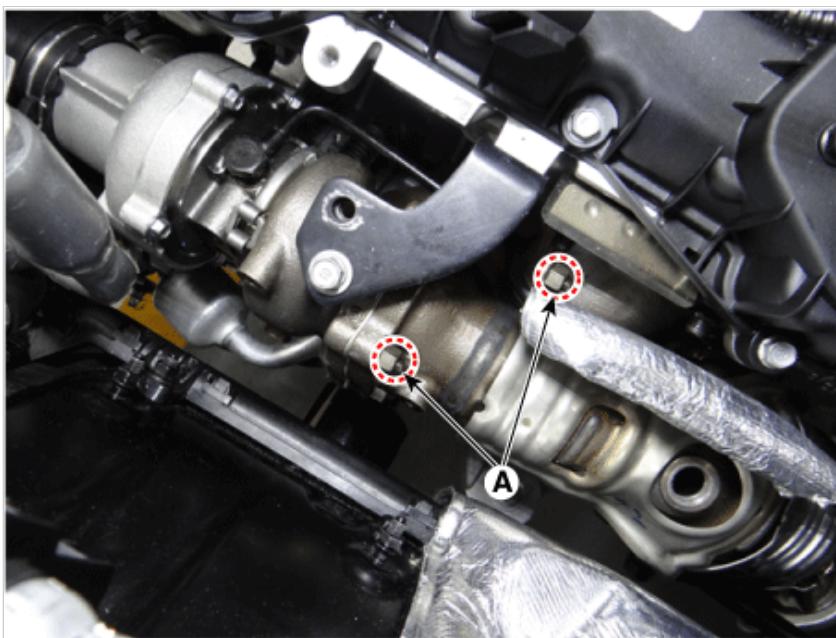
24.5 - 28.4 N·m (2.5 - 2.9 kgf·m, 18.1 - 21.0 lb·ft)

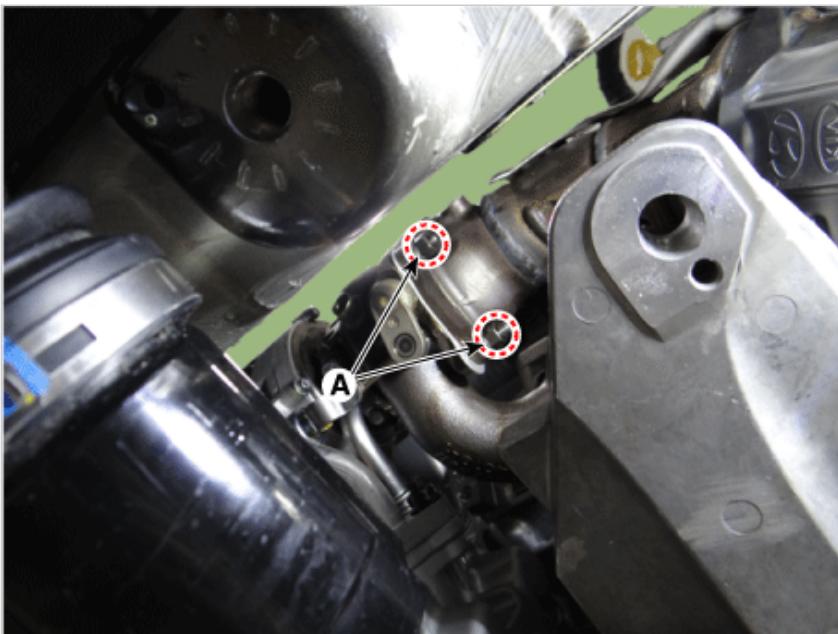


14. Remove the LH warm-up catalytic converter (WCC) (A).

Tightening torque :

35.3 - 41.2 N·m (3.6 - 4.2 kgf·m, 26.0 - 30.4 lb·ft)

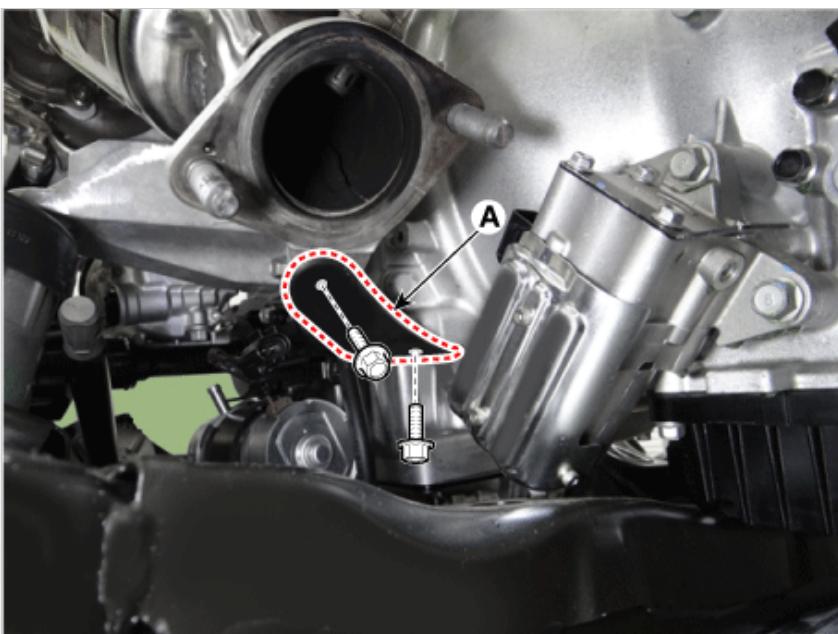




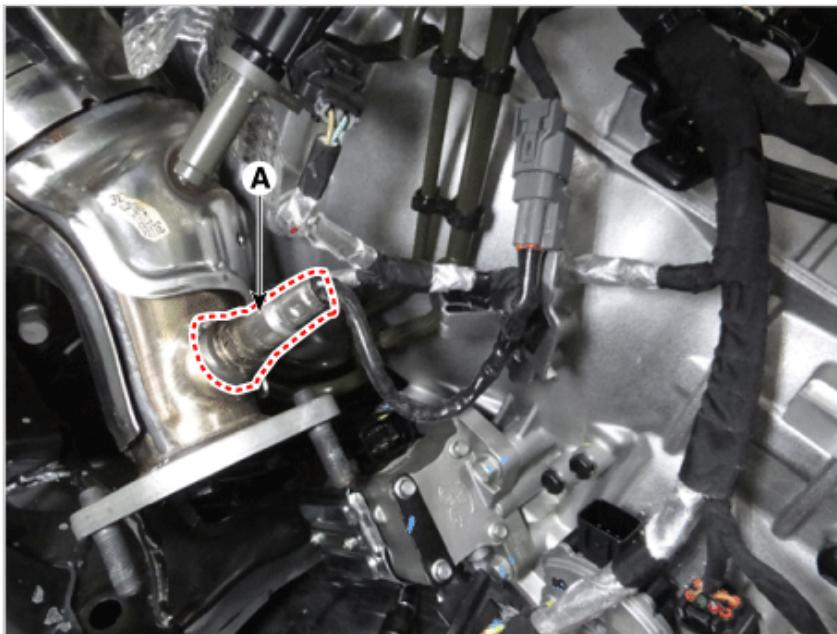
15. Remove the LH warm-up catalytic converter (WCC) stay (A).

Tightening torque :

34.3 - 41.2 N·m (3.5 - 4.2 kgf·m, 25.3 - 30.4 lb·ft)



16. Remove the heated oxygen sensor(A).

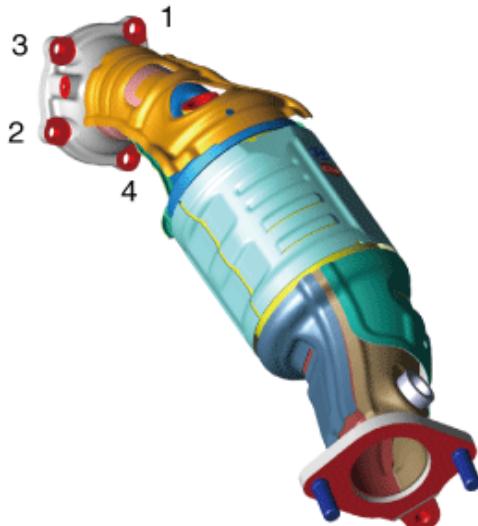


17. Remove the LH warm-up catalytic converter (WCC)(A).



NOTICE

When installing the LH warm-up catalytic converter (WCC), tighten the nuts with pre-torque first, and then tighten the nuts with specified torque in the sequence shown.

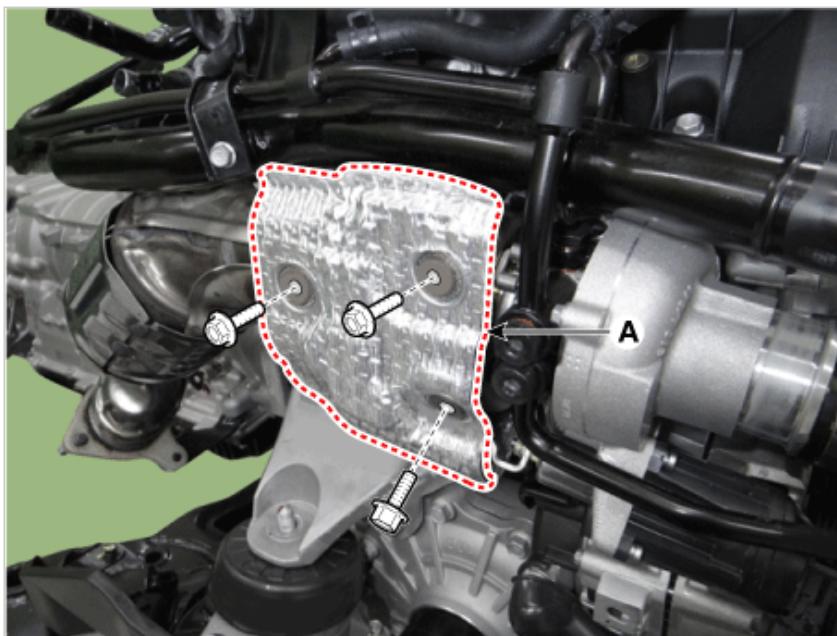


[WCC, Bank 2]

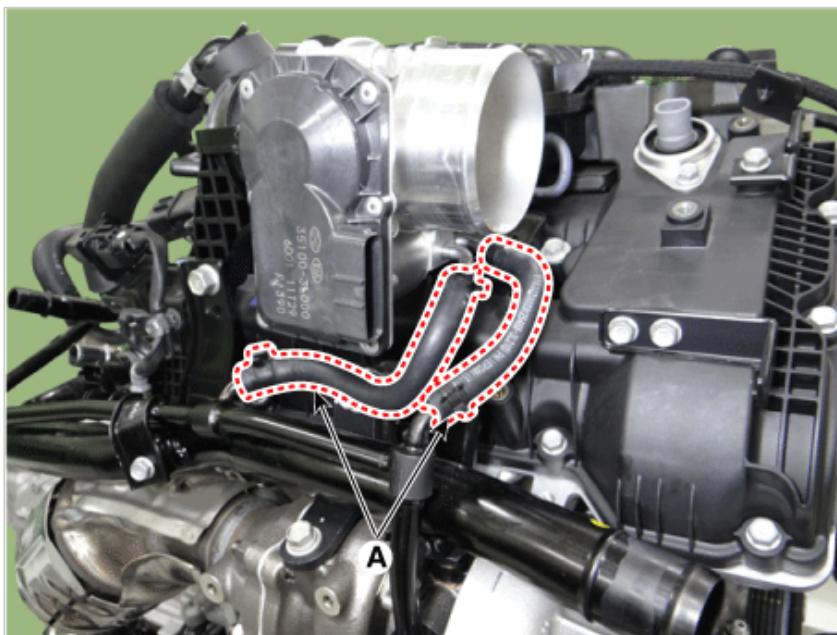
1. Switch "OFF" the ignition and disconnect the negative (-) battery terminal.
2. Remove the RH air cleaner.
[\(Refer to Engine Mechanical System - "Air Cleaner"\)](#)
3. Remove the cowl top cover.
[\(Refer to Body \(Interior and Exterior\) -"Cowl Top Cover"\)](#)
4. Remove the heated oxygen sensor (Bank 1/Sensor 1).
[\(Refer to Engine Control / Fuel System - " Heated Oxygen Sensor \(HO2S\)"\)](#)
5. Drain the coolant.
[\(Refer to Engine Mechanical System - "Coolant"\)](#)
6. Remove the front muffler.
[\(Refer to Engine Mechanical System - "Muffler"\)](#)
7. Remove the front sub frame.
[\(Refer to Suspension System - "Sub Frame"\)](#)
8. Remove the RH turbo manifold module heat protector (A).

Tightening torque :

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



9. Disconnect the electric throttle control (ETC) module water hose (A).



10. Remove the RH turbocharger water hose & pipe (A)

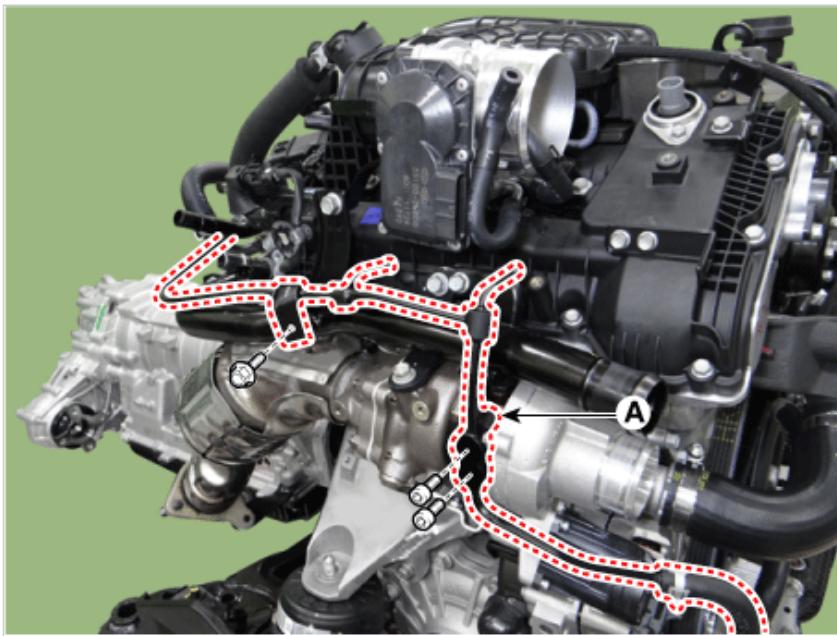
Tightening torque

Eye bolts :

33.3 - 39.2 N·m (3.4 - 4.0 kgf·m, 26.6 - 28.9 lb·ft)

Bolt :

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



11. Disconnect the radiator lower hose (A).



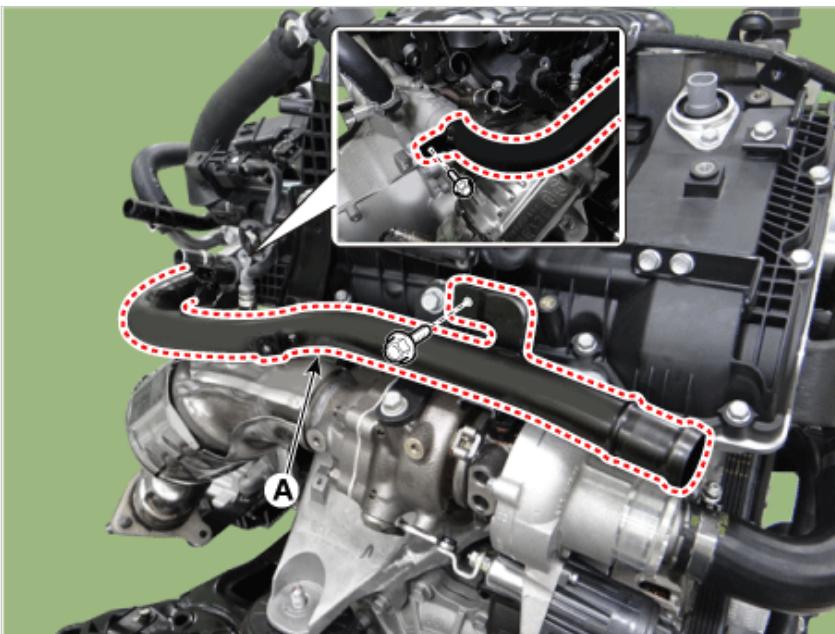
12. Disconnect the heater hoses (A).



13. Remove the water inlet pipe (A).

Tightening torque :

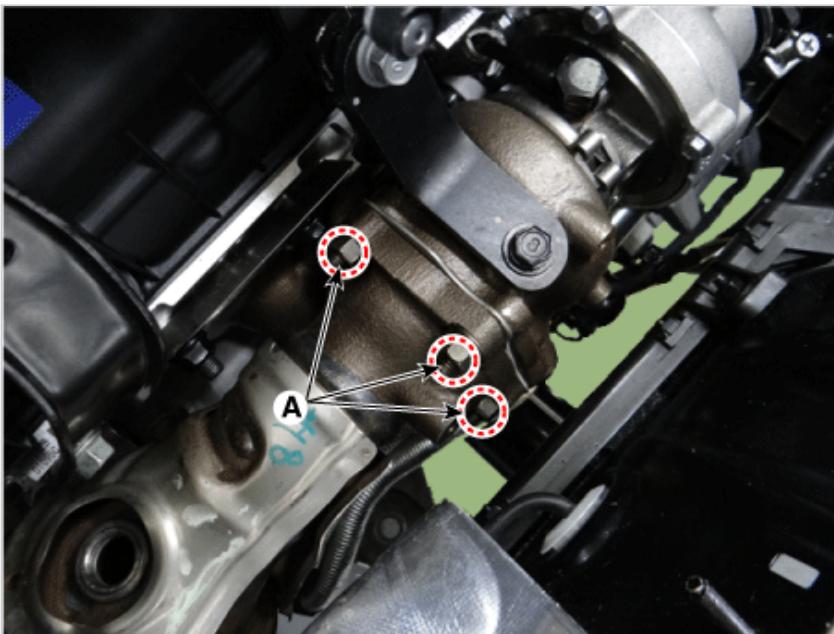
24.5 - 28.4 N·m (2.5 - 2.9 kgf·m, 18.1 - 21.0 lb·ft)



14. Remove the RH warm-up catalytic converter (WCC) (A).

Tightening torque :

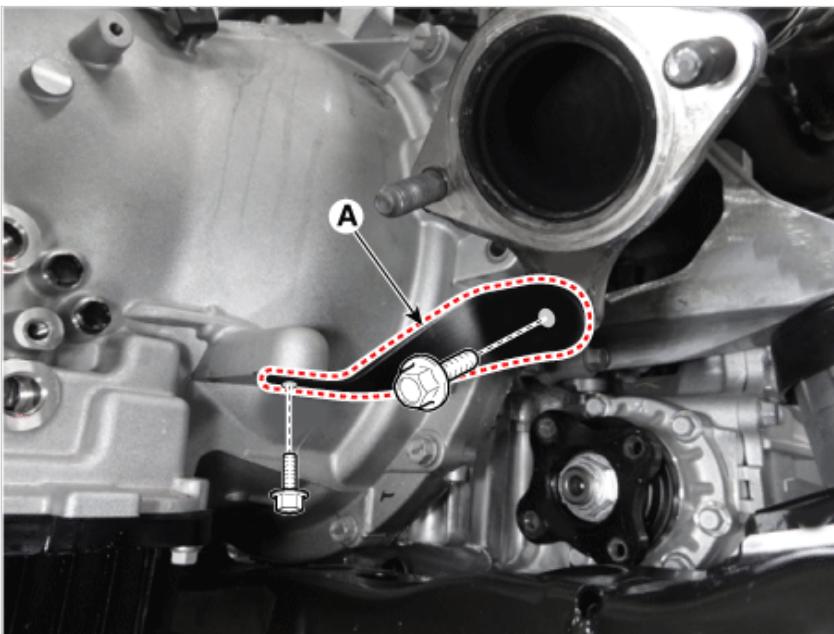
35.3 - 41.2 N·m (3.6 - 4.2 kgf·m, 26.0 - 30.4 lb·ft)



15. Remove the RH warm-up catalytic converter (WCC) stay (A).

Tightening torque :

34.3 - 41.2 N·m (3.5 - 4.2 kgf·m, 25.3 - 30.4 lb·ft)



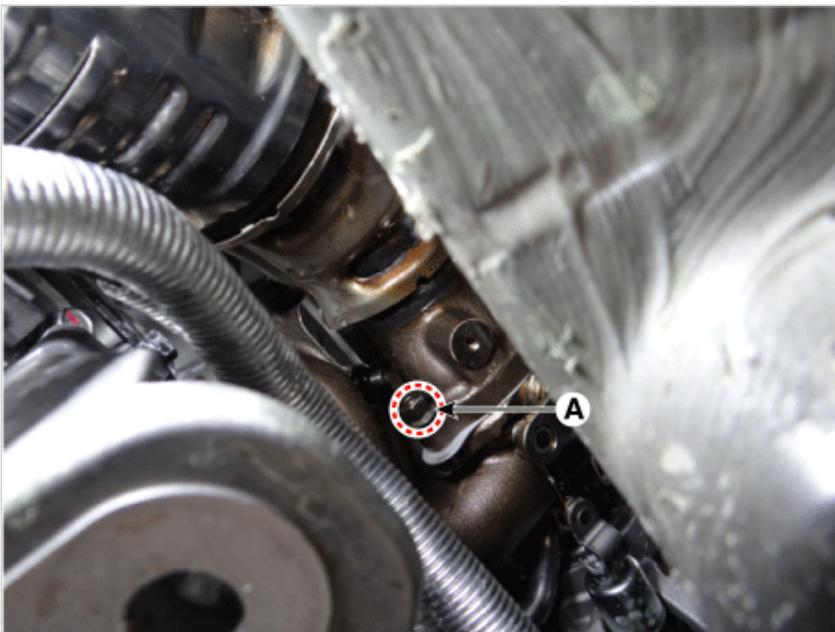
16. Remove the heated oxygen sensor (Bank 1/Sensor 2).

(Refer to Engine Control / Fuel System - "Heated Oxygen Sensor (HO2S)")

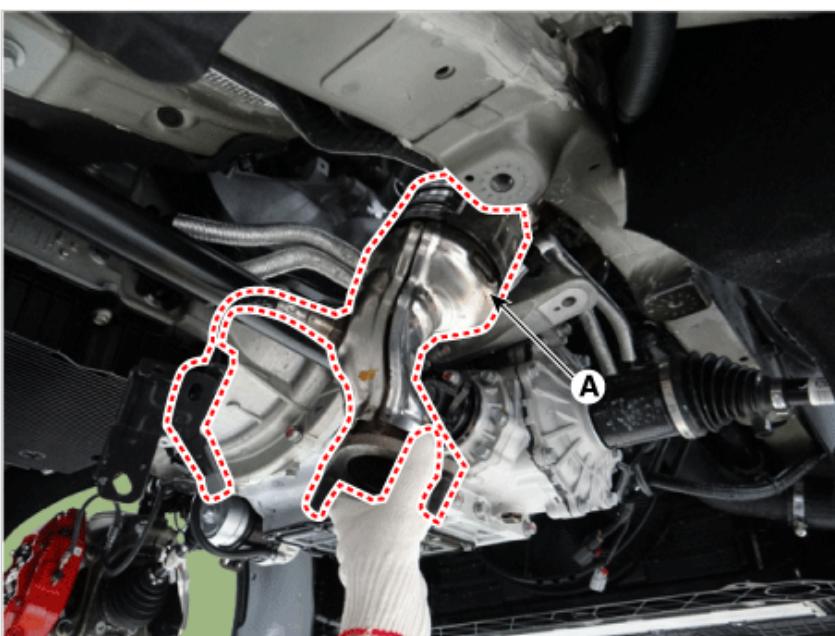
17. Remove the RH warm-up catalytic converter (WCC) stay (A).

Tightening torque :

35.3 - 41.2 N·m (3.6 - 4.2 kgf·m, 26.0 - 30.4 lb·ft)



18. Remove the LH warm-up catalytic converter (WCC)(A).

**NOTICE**

When installing the RH warm-up catalytic converter (WCC), tighten the nuts with pre-torque first, and then tighten the nuts with specified torque in the sequence shown.

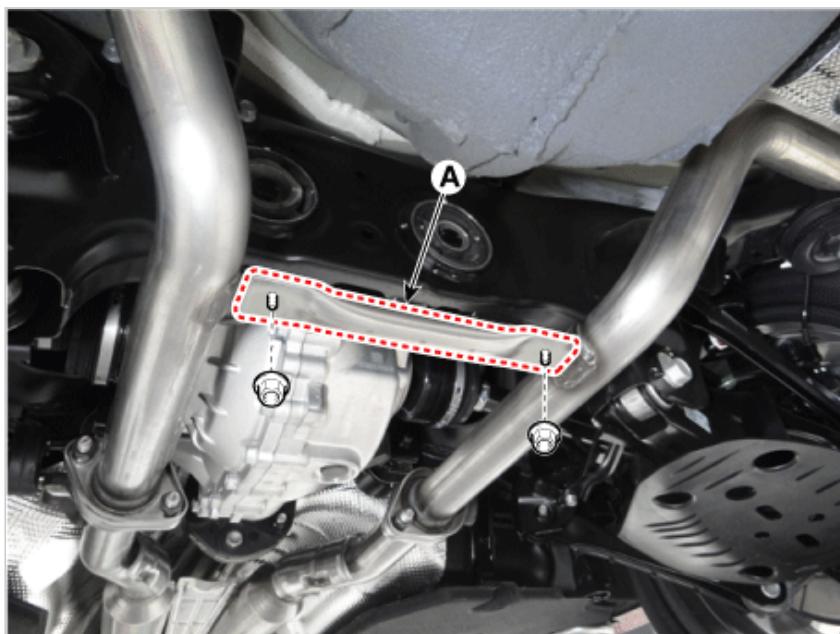


[UCC Bank 1]

1. Remove the rear muffler bracket (A).

Tightening torque :

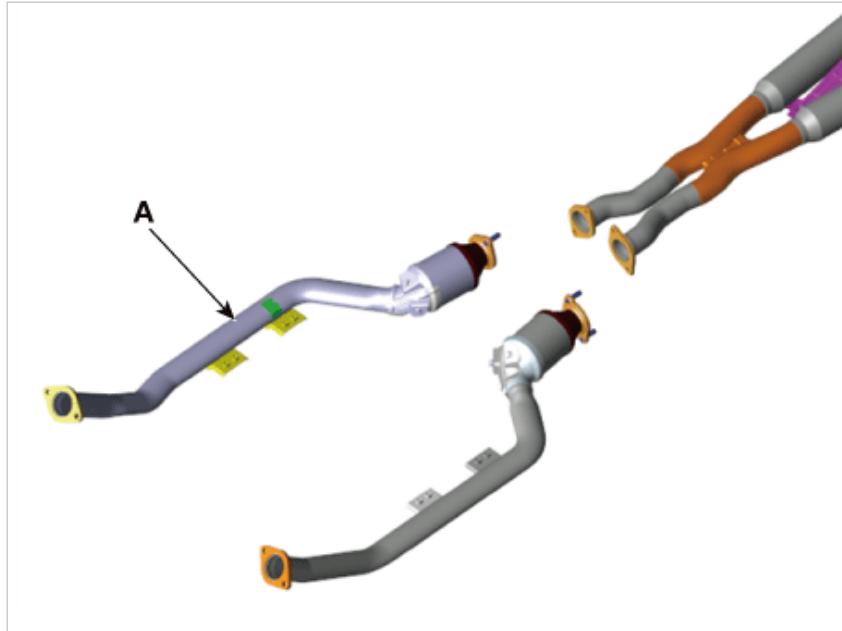
29.4 - 39.2 N·m (3.0 - 4.0 kgf·m, 21.7 - 28.9 lb·ft)



2. Remove the RH front muffler (A).

Tightening torque :

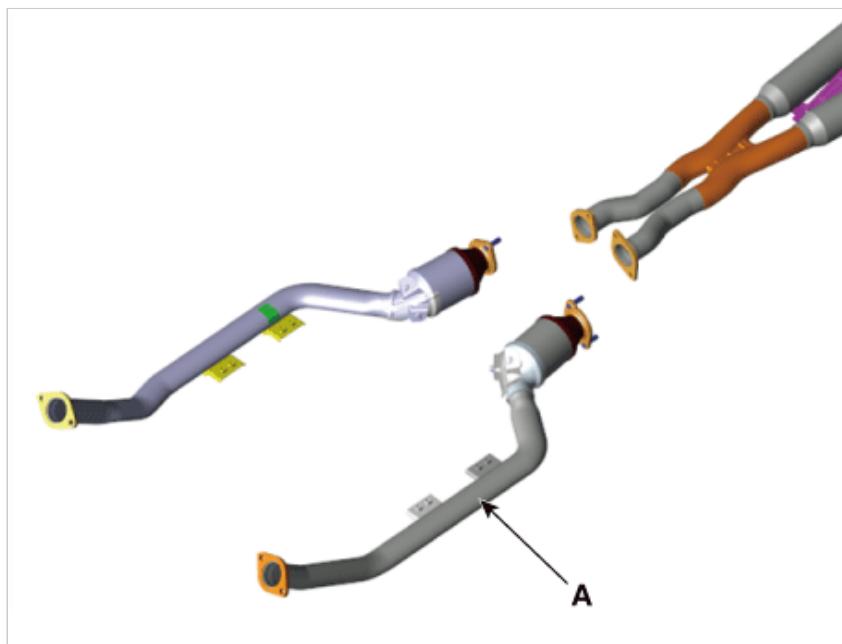
39.2 - 58.8 N·m (4.0 - 6.0 kgf·m, 28.9 - 43.4 lb·ft)



3. Remove the LH front muffler (A).

Tightening torque :

39.2 - 58.8 N·m (4.0 - 6.0 kgf·m, 28.9 - 43.4 lb·ft)



NOTICE

Always use a new muffler gasket.

Installation

1. Install in the reverse order of removal.