

Removal

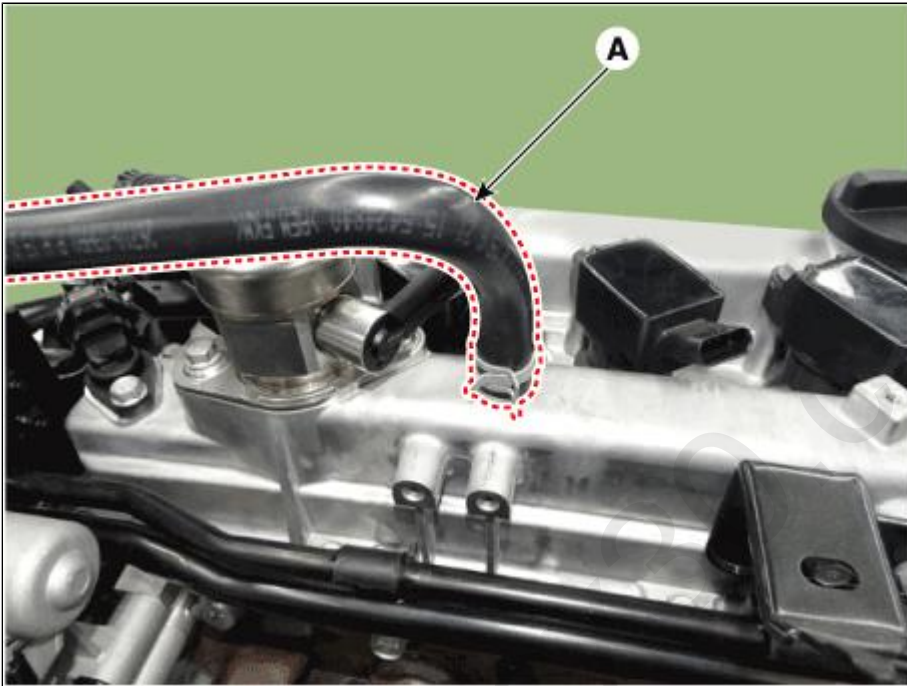
NOTICE

Use fender covers to avoid damaging painted surfaces.
To avoid damage, unplug the wiring connectors carefully while holding the connector portion.

Information

Mark all wiring and hoses to avoid misconnection.

1. Disconnect the battery positive terminal.
2. Remove the air cleaner assembly.
(Refer to Intake and Exhaust System - "Air Cleaner")
3. Disconnect the breather hose (A).

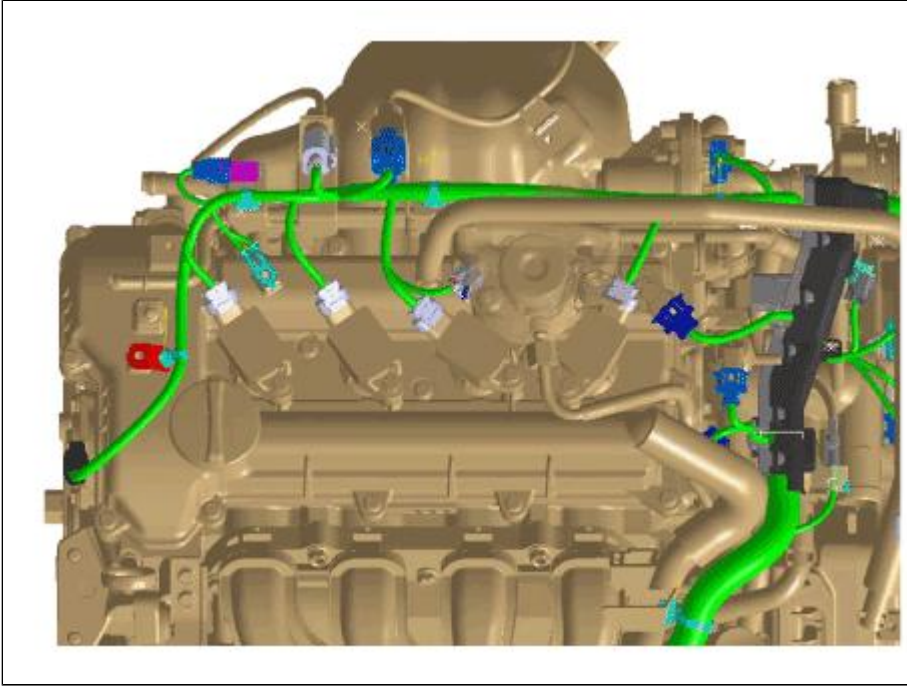


4. Disconnect the fuel hose (A).



5. Disconnect the reservoir tank coolant hose.
(Refer to Cooling System - "Reservoir Tank")

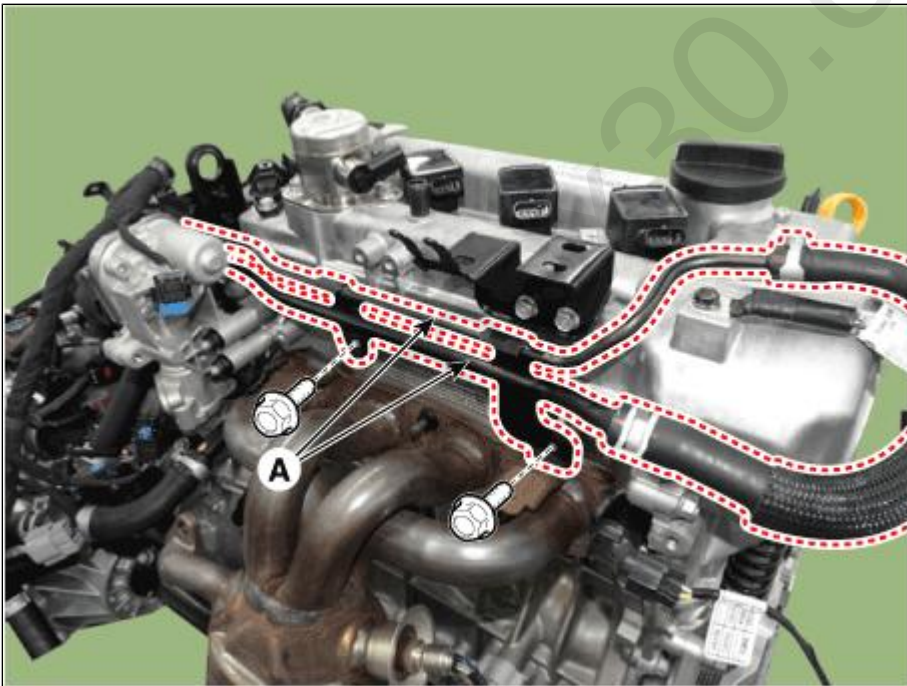
6. Disconnect the wiring connectors and harness clamps and remove the connector brackets around the cylinder head cover.



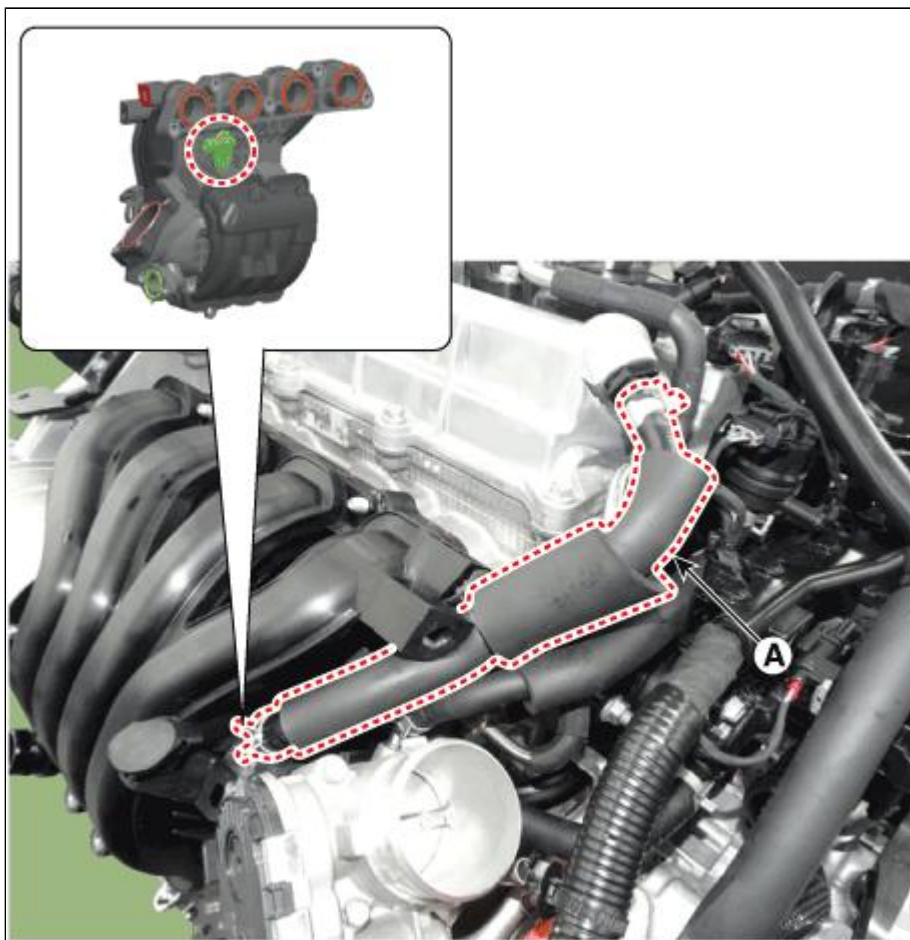
7. Remove the reservoir tank coolant pipe (A).

Tightening torque :

18.6 - 23.5 N.m (1.9 - 2.4 kgf.m, 13.7 - 17.4 lb-ft)



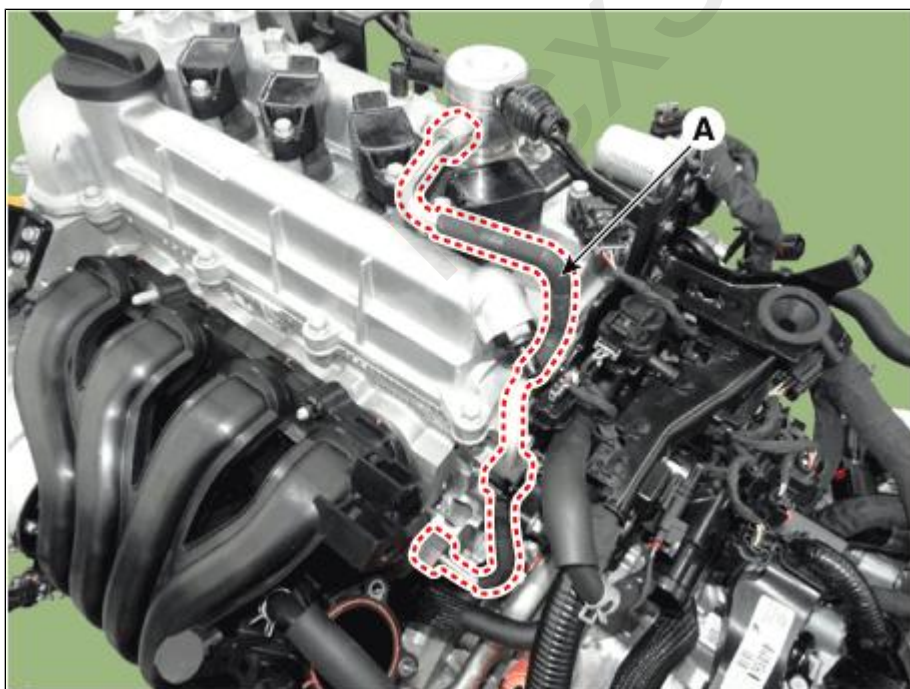
8. Disconnect the positive crankcase ventilation (PCV) hose (A).



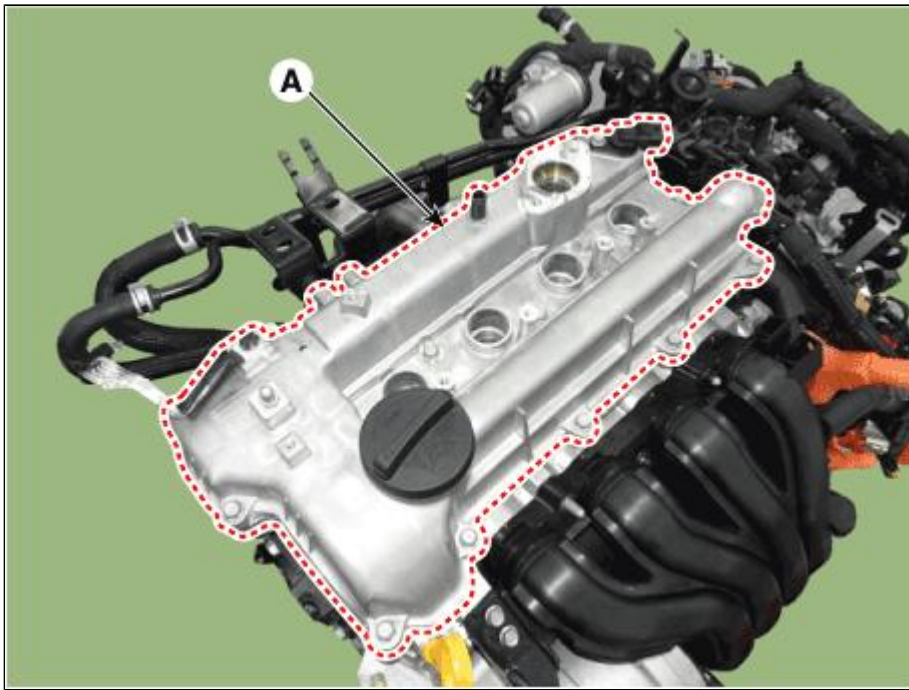
9. Remove the high pressure fuel pipe (A).

Tightening torque :

26.5 - 32.4 N.m (2.7 - 3.3 kgf.m, 19.5 - 23.9 lb-ft)



10. Remove the high pressure fuel pump.
(Refer to Engine Control / Fuel System - "High Pressure Fuel Pump")
11. Remove the ignition coils.
(Refer to Engine Electrical System - "Ignition Coil")
12. Remove the cylinder head cover (A).



Installation

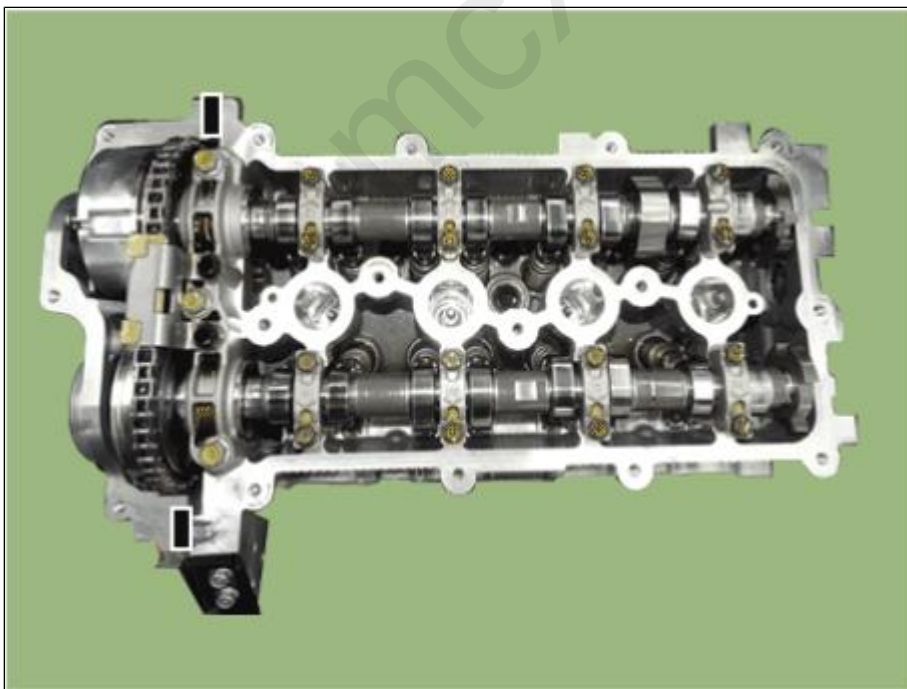
1. Install the cylinder head cover.

- (1) The hardening sealant located on the cylinder head cover and the gap between the timing chain cover and the cam carrier should be removed before assembling cylinder head cover.
- (2) Apply engine oil on the lip portion of the oil seal on the cover and outer surface of the spark plug pipes.
- (3) After applying sealant on the gap between the timing chain cover and the cam carrier, it should be assembled within 5 minutes.

Bead width :

Ø4.0 - 5.0 mm (0.16 - 0.20 in.)
/ 10 - 12 mm (0.39 - 0.47 in.)

Sealant : MS721-40AA or AAO

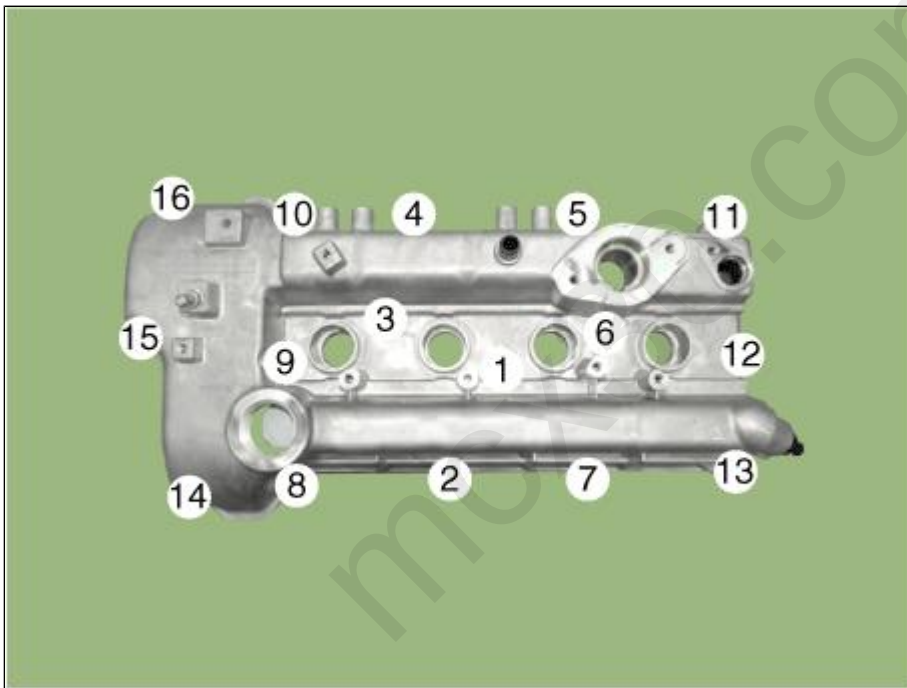
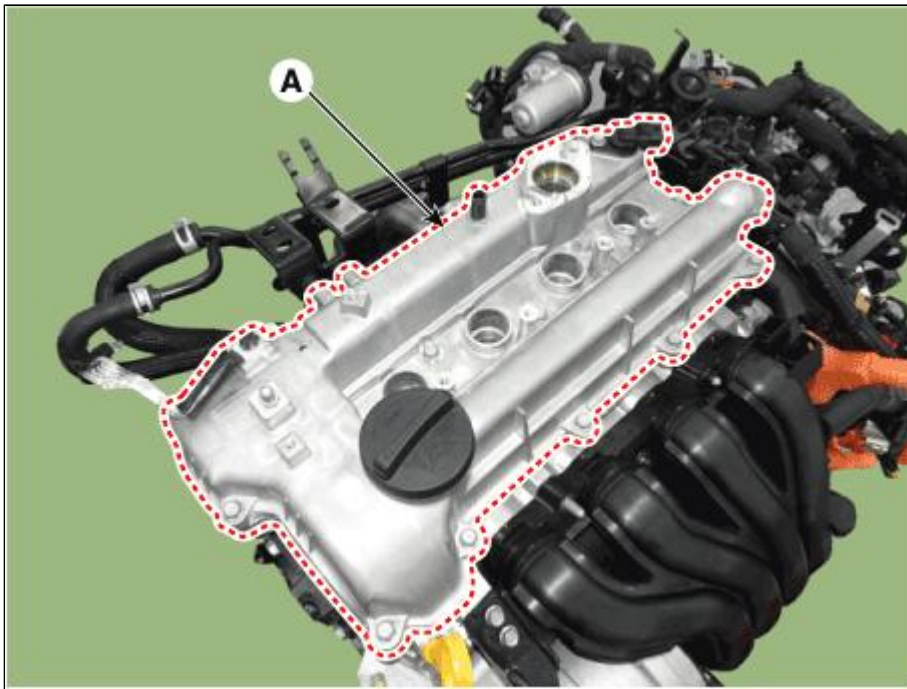


- (4) Install the cylinder head cover (A) by tightening the bolts, in several passes, in the sequence as shown.

Tightening torque :

1st step : 3.9 - 5.9 N.m (0.4 - 0.6 kgf.m, 2.9 - 4.3 lb-ft)

2nd step : 7.8 - 9.8 N.m (0.8 - 1.0 kgf.m, 5.8 - 7.2 lb-ft)



NOTICE

Do not reuse cylinder head cover gasket.

Before installing the cylinder head cover, make sure the cylinder head cover gasket is not separated from the cylinder head cover gasket groove.

The engine running or pressure test should not be performed within 30 minutes after the cylinder head cover was assembled.

2. Install the other parts in the reverse order of removal.

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