

Component Procedures: Valve Cover

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Component Procedures: Valve Cover

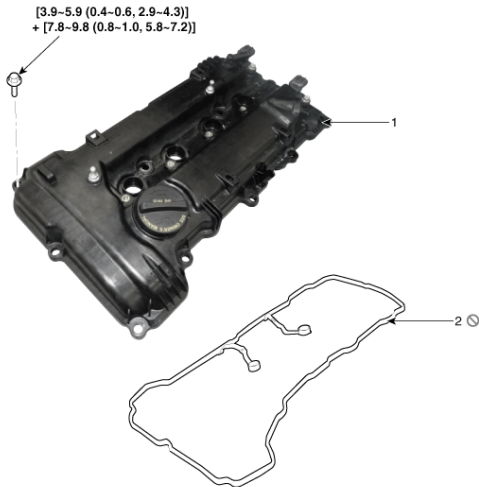
Parts and Labor (itype_189)

Parts

Qualifier	Part #	Name	Price	Note
Cylinder Head & Valves > Val?	224102E700	3 - Valve Cover	342.26	

Cylinder Head Cover - Components and Components Location (Article 45339)

- Components



Tightening torque : N.m (kgf.m, lb-ft)

1. Cylinder head cover 2. Cylinder head cover gasket

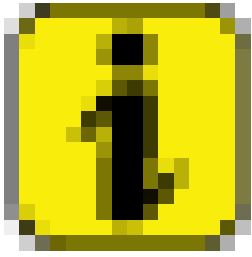
Cylinder Head Cover - Repair Procedures (Article 45340)

- Removal

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

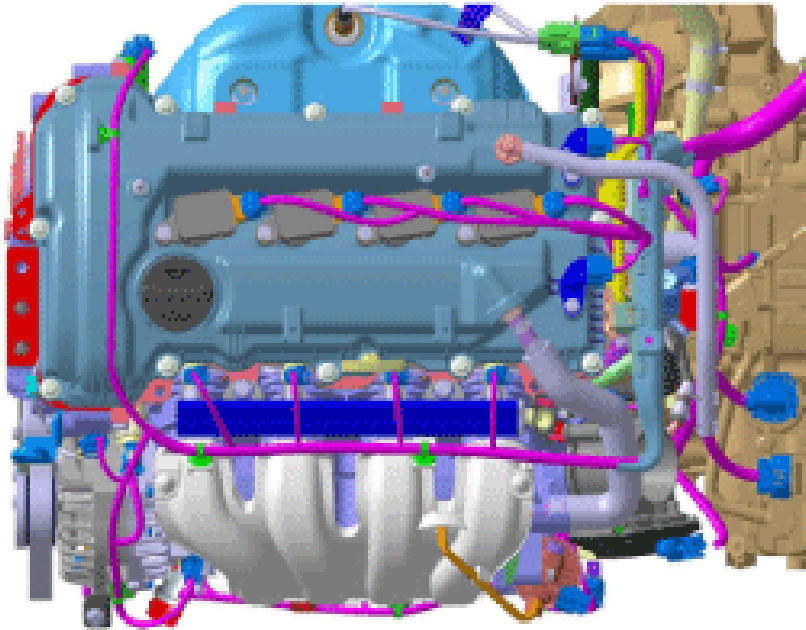
NOTICE

- Use fender covers to avoid damaging painted surfaces.
 - To avoid damage, unplug the wiring connectors carefully while holding the connector portion.
- Mark all wiring and hoses to avoid misconnection.

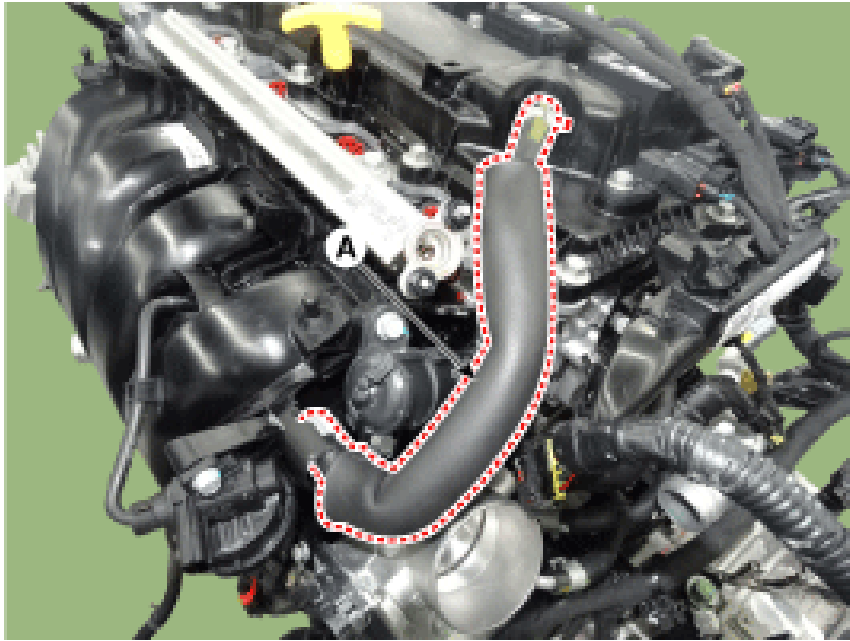


Information

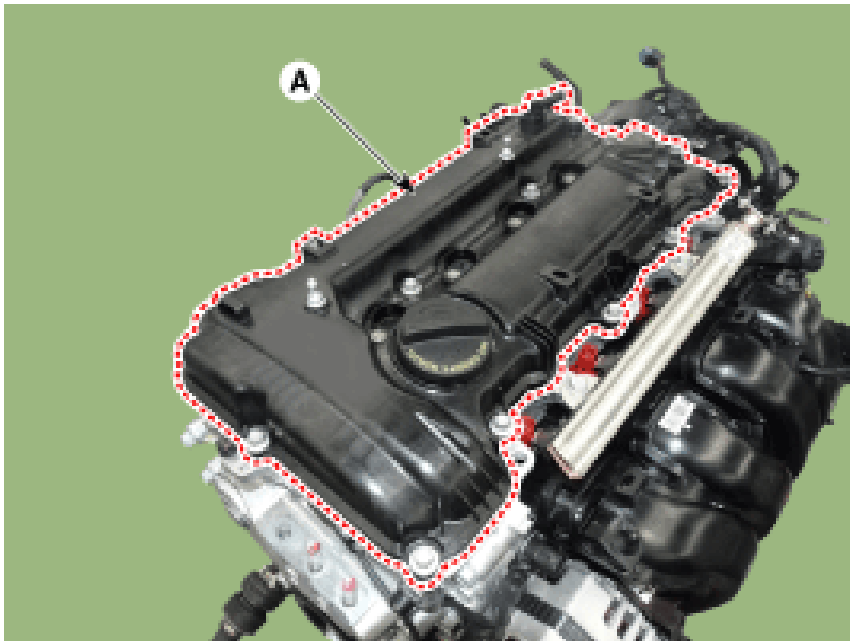
- Mark all wiring and hoses to avoid misconnection.
- Remove the engine cover . (Refer to Engine and Transaxle Assembly - "Engine Cover")
- Disconnect the battery negative terminal.
- Disconnect the wiring connectors and harness clamps and remove the connector brackets around the cylinder head cover .



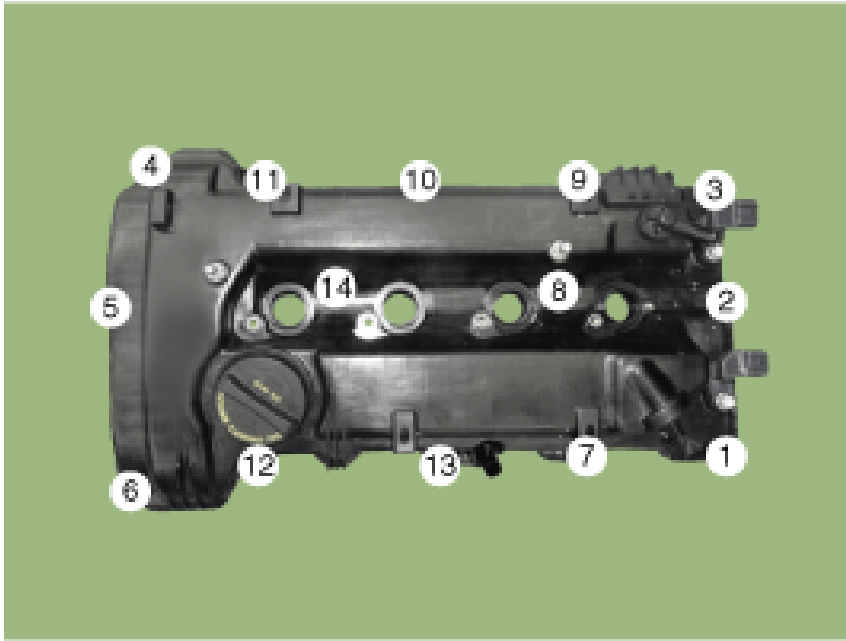
- Remove the air duct and air cleaner assembly . (Refer to Intake and Exhasut System - "Air Cleaner")
- Remove the ignition coils. (Refer to Engine Electrical System - "Ignition Coil")
- Remove the engine oil level gauge . (Refer to Lubrication System - "Oil Level Gauge & Pipe")
- Disconnect the positive crankcase ventilation (PCV) hose (A).



- Remove the cylinder head cover (A). Unfasten the bolts in the sequence as shown.

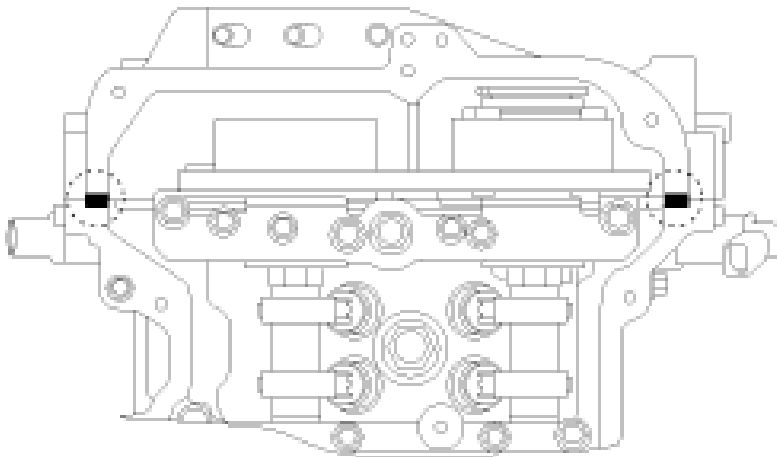


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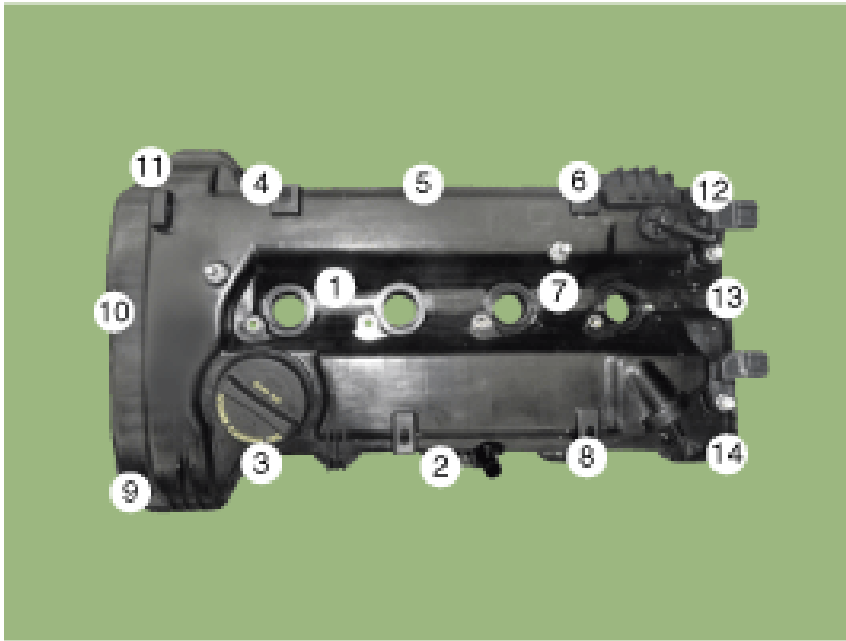
- Installation

- Install cylinder head cover. 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. Apply engine oil on the lip portion of the oil seal on the cover and outer surface of the spark plug pipes. After applying sealant on the gap between the timing chain cover and the cam carrier, it should be assembled within 5 minutes. Bead width : 2.0 - 3.0 mm (0.08 - 0.12 in.) Sealant : Threebond 1217H or equivalent Install the cylinder head cover 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) 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.
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- After applying sealant on the gap between the timing chain cover and the cam carrier, it should be assembled within 5 minutes. Bead width : 2.0 - 3.0 mm (0.08 - 0.12 in.) Sealant : Threebond 1217H or equivalent



- Install the cylinder head cover 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)



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- Install the other parts reverse order of removal.