



Inspection

1. Check the signal waveform of the CMPS and CKPS using the KDS.

Specification: Refer to "Wave Form"

Removal

WARNING

DON'T remove the camshaft position sensor while the engine is running or right after engine is turned off. The part and engine oil is hot and can cause burns.

[Bank 1]

1. Switch "OFF" the ignition and disconnect the negative (-) battery terminal.
2. Remove the engine cover.
(Refer to Engine Mechanical System - "Engine Cover")
3. Disconnect the camshaft position sensor connector (A).
4. Remove the camshaft position sensor after loosening the mounting bolt (B).

Camshaft position sensor installation bolt :

6.8 - 9.8 N·m (0.7 - 1.0 kgf·m, 5.0 - 7.2 lb·ft)

[Bank 1 / Intake]



[Bank 1 / Exhaust]



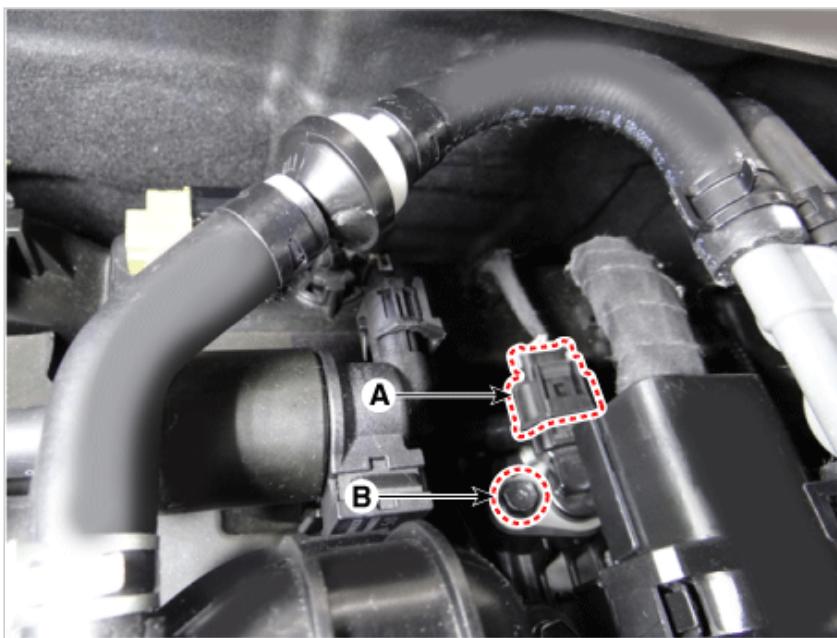
[Bank 2]

1. Switch "OFF" the ignition and disconnect the negative (-) battery terminal.
2. Remove the engine cover.
(Refer to Engine Mechanical System - "Engine Cover")
3. Disconnect the camshaft position sensor connector (A).
4. Remove the camshaft position sensor after loosening the mounting bolt (B).

Camshaft position sensor installation bolt :

6.8 - 9.8 N·m (0.7 - 1.0 kgf·m, 5.0 - 7.2 lb·ft)

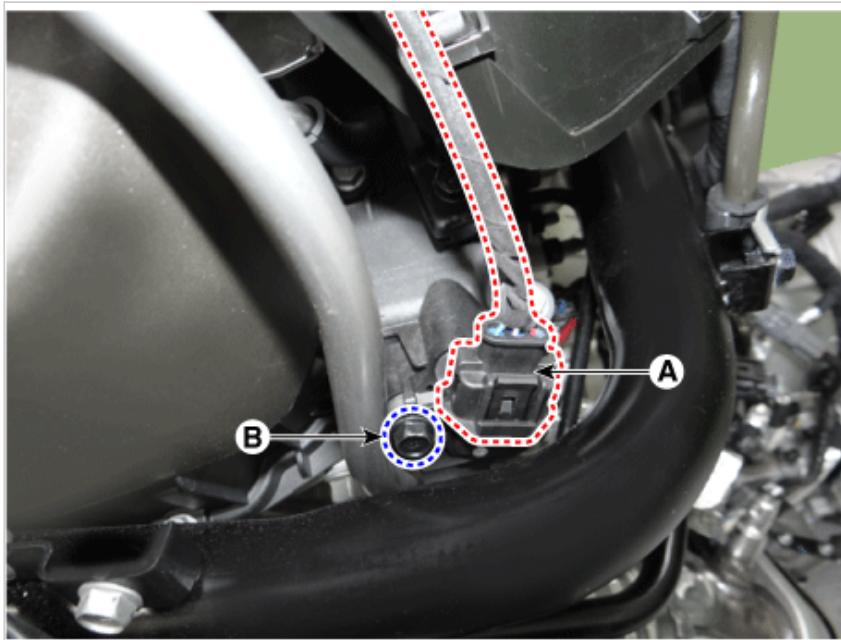
[Bank 2 / Intake]



1. Switch "OFF" the ignition and disconnect the negative (-) battery terminal.
2. Remove the oil level gauge & pipe.
(Refer to Engine Mechanical System - "Oil Level Gauge & Pipe")
3. Disconnect the camshaft position sensor connector (A).
4. Remove the camshaft position sensor after loosening the mounting bolt (B).

Camshaft position sensor installation bolt :

6.8 - 9.8 N·m (0.7 - 1.0 kgf·m, 5.0 - 7.2 lb·ft)

[Bank 2 / Exhaust]**Installation****NOTICE**

- Install the component to the specified torques.
- Note that internal damage may occur when the component is dropped. In this case, use it after inspecting.
- Apply the engine oil to the O-ring.
- Insert the sensor into the installation hole and be careful not to damage it during the installation.
- Be careful not to damage the sensor housing and the connector.
- Be careful not to damage the O-ring.

1. Install in the reverse order of removal.