



## 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.

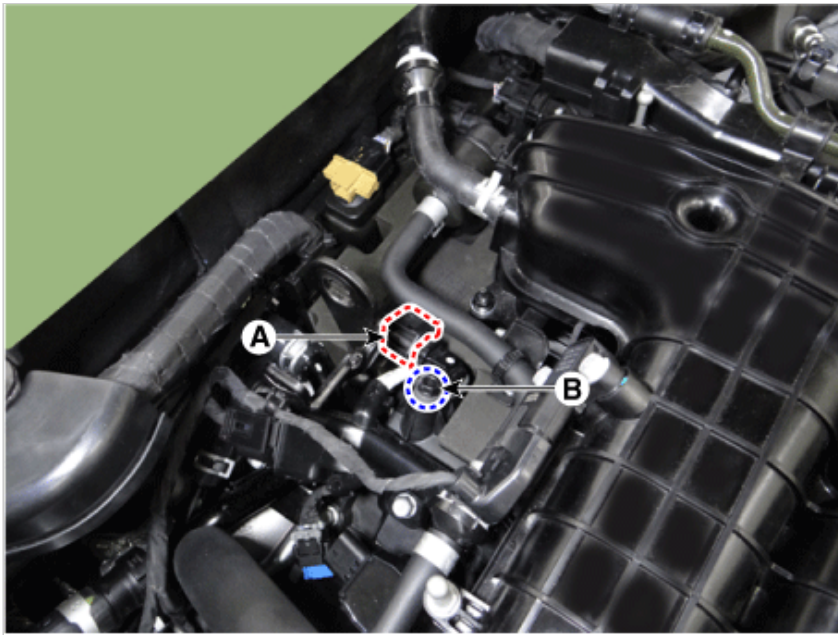
### [Bank 1]

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]



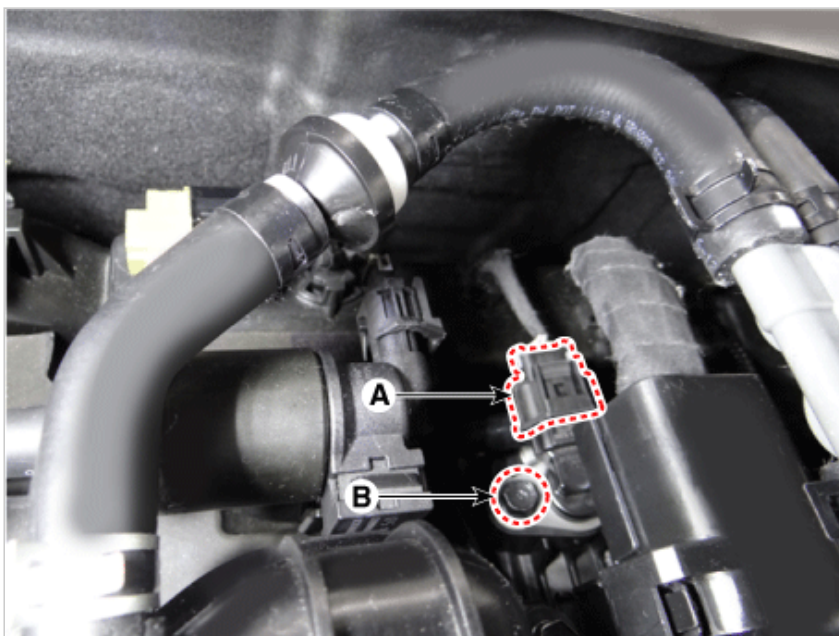
**[Bank 2]**

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)

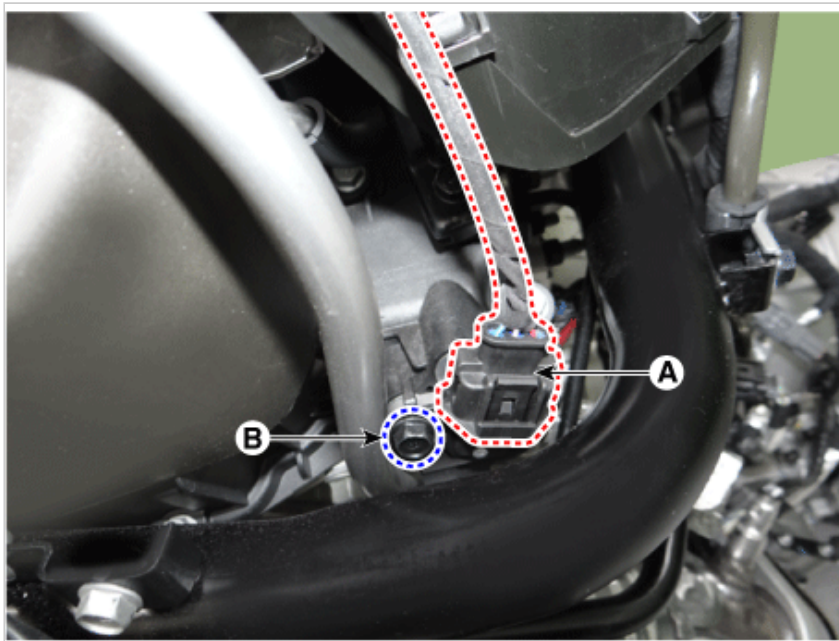
**[Bank 2 / Intake]**



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.