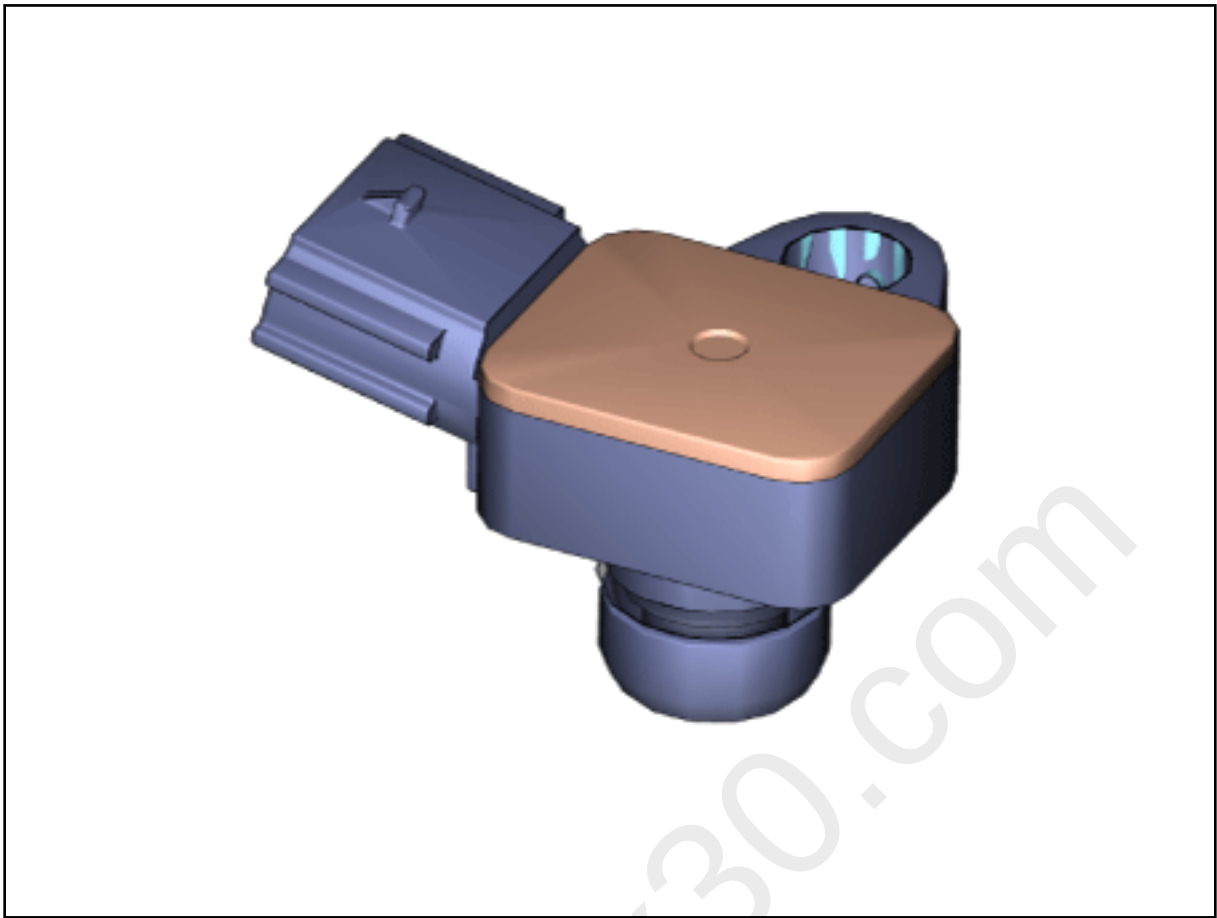


Description

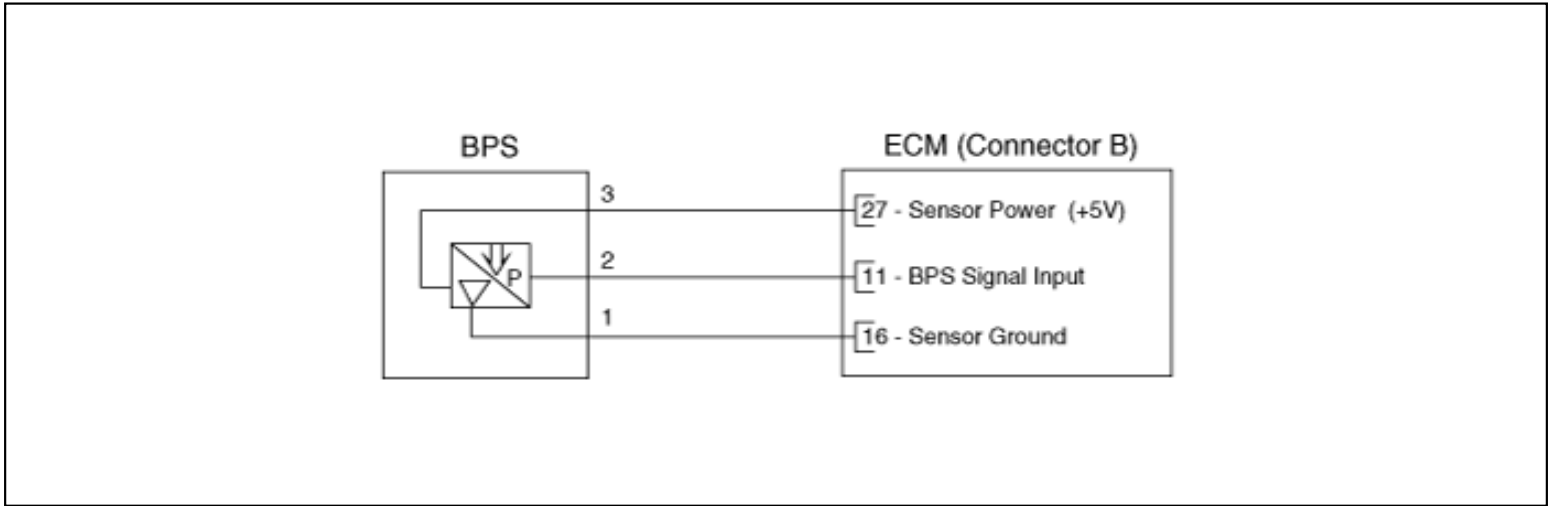
Boost pressure sensor (BPS) is installed on top of intercooler output pipe to measures the pressure of supercharged air in the turbocharger.



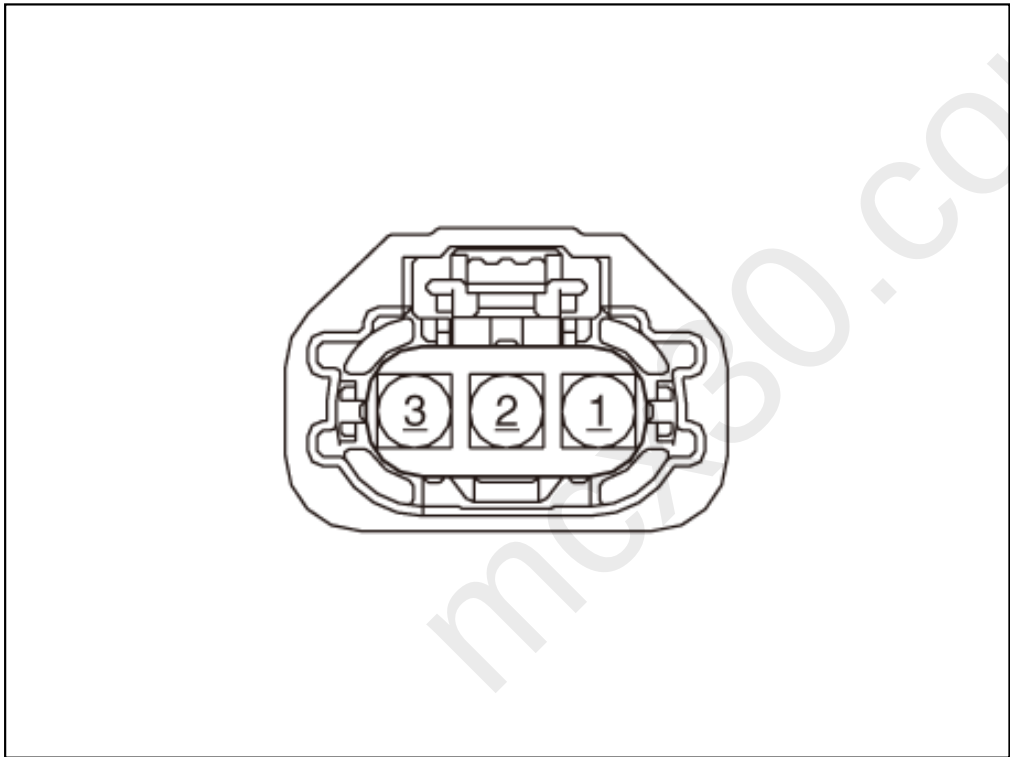
Specification

Pressure [kPa (kgf/cm², psi)]	Output Voltage (V) [Vref = 5.0V]
10 (0.10, 1.45)	0.5
40 (0.40, 5.80)	0.91
80 (0.81, 11.60)	1.47
120 (1.22, 17.40)	2.02
160 (1.63, 23.20)	2.57
200 (2.03, 29.00)	3.12
220 (2.24, 31.90)	3.4
240 (2.44, 34.80)	3.67
280 (2.85, 40.61)	4.22
300 (3.05 43.51)	4.5

Circuit
Diagram



Harness Connector



Inspection

1. Connect the diagnostic tool on the Data Link Connector (DLC).
2. Measure the BPS output voltage in IG ON and idle.

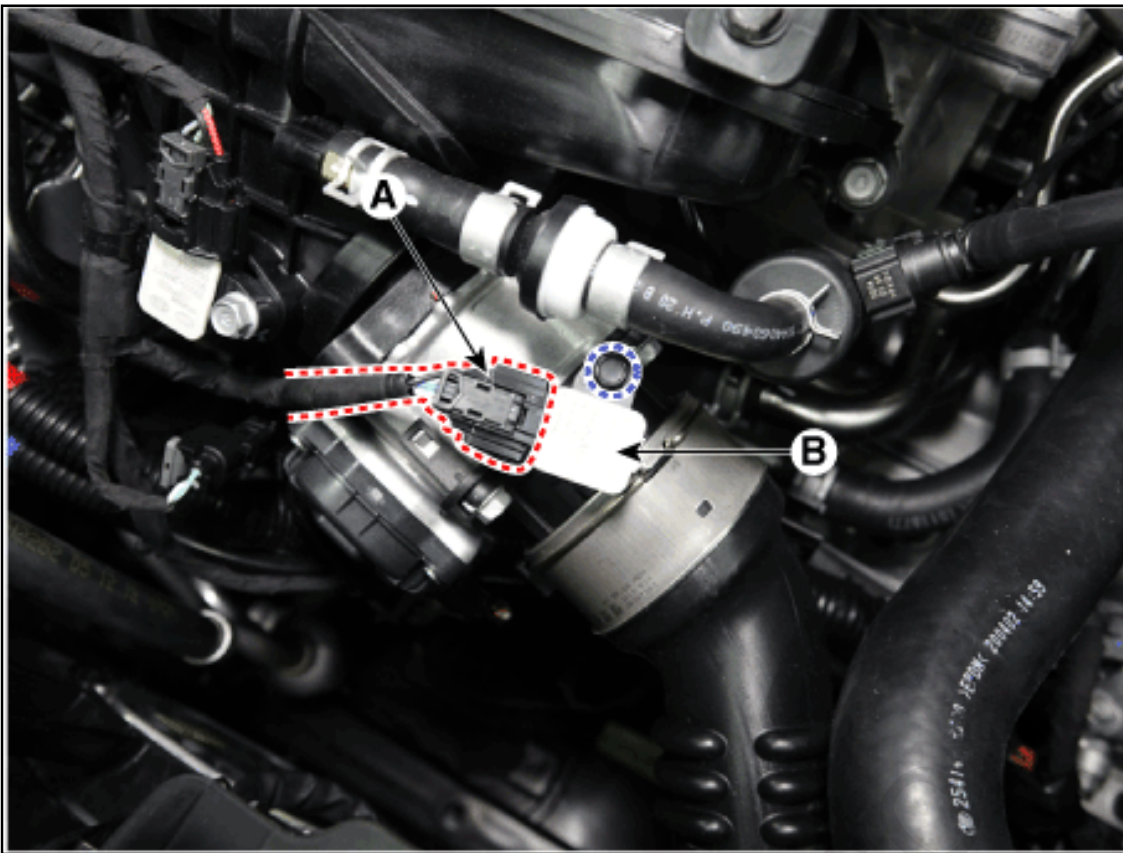
Pressure [kPa (kgf/cm ² , psi)]	Output Voltage (V) [Vref = 5.0V]
10 (0.10, 1.45)	0.5
40 (0.40, 5.80)	0.91
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160 (1.63, 23.20)	2.57
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240 (2.44, 34.80)	3.67
280 (2.85, 40.61)	4.22
300 (3.05 43.51)	4.5

Removal

1. Turn ignition switch OFF and disconnect the battery negative (-) terminal.
2. Disconnect the boost pressure sensor connector (A).
3. Remove the sensor (B) after remove the mounting bolt.

Tightening Torque :

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



Installation



- Install the component to the specified torques.
- Note that internal damage may occur when the component is dropped. If the component has been dropped, inspect before installing.
- Insert the sensor in the installation hole and be careful not to damage it.

1. Install in the reverse order of removal.