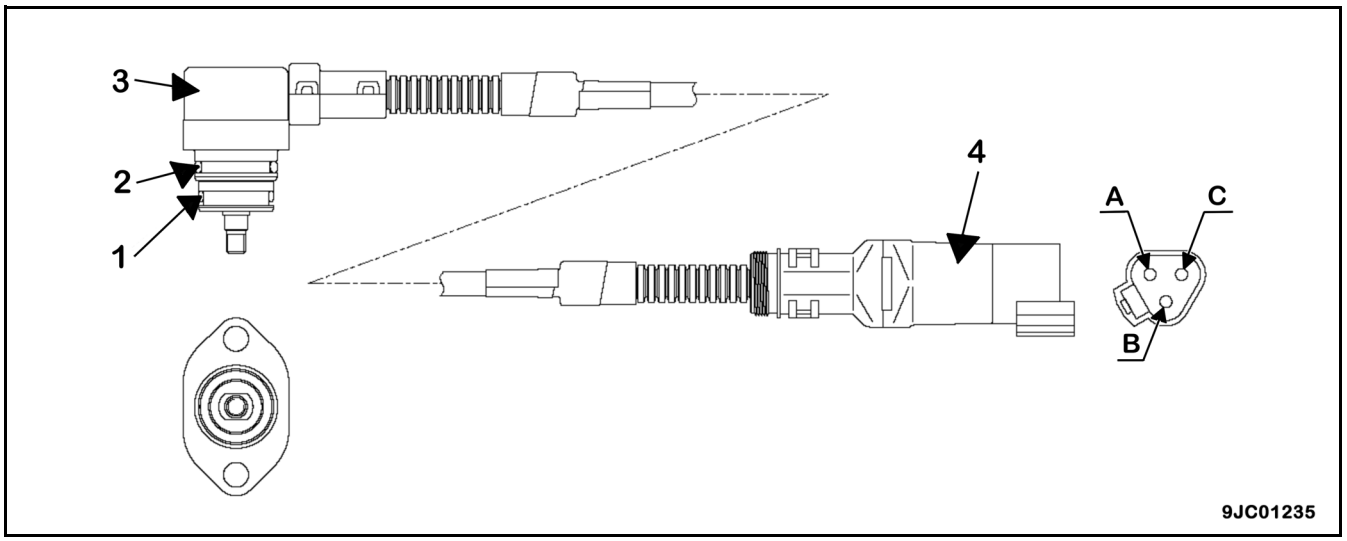
KVGT Position Sensor

KVGT: Abbreviation for KOMATSU Variable Geometry Turbocharger



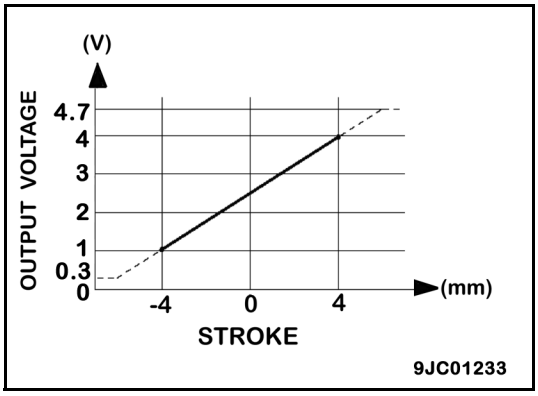
1. O-ring (small)
2. O-ring (large)
3. Sensor
4. Connector

Function

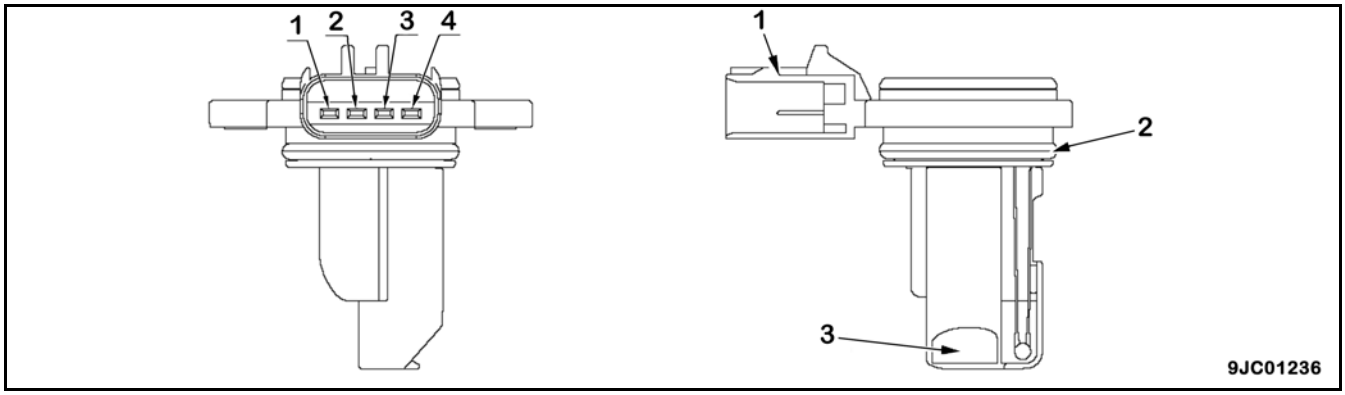
- This sensor, installed to KVGT in the engine, detects the location of the nozzle ring which is built in KVGT to output the corresponding variable voltage.

Output characteristics

- The relation between stroke and output voltage is as shown in the following graph.



Mass Air Flow and Temperature Sensor



1. Connector
2. O-ring
3. Sensor

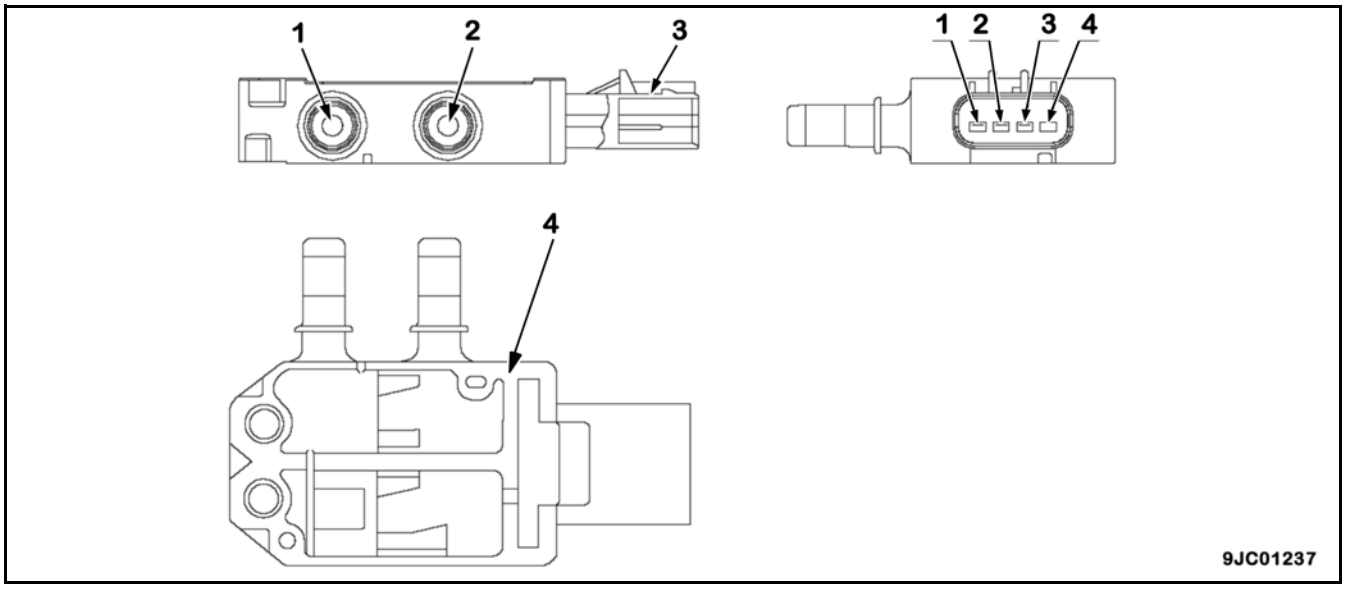
Function

- This sensor, installed to the outlet side of air cleaner, converts the variations of intake air flow and temperature into the resistance variation, and outputs the corresponding signals.

★ The "MAF (Mass Air Flow)" means the "intake air flow."

KDPF Differential Pressure and Outlet Pressure Sensor

KDPF: Abbreviation for KOMATSU Diesel Particulate Filter



1. High-pressure port
2. Low-pressure port
3. Connector
4. Sensor

Function

- This sensor, installed to KDPF, detects the inlet pressure and outlet pressure of KDPF to output the corresponding variable voltage.
- The outputted pressure difference is the difference between the KDPF inlet pressure which is detected at high-pressure port (1) and the KDPF outlet pressure which is detected at low-pressure port (2).
- The KDPF outlet pressure is outputted as a pressure which is detected at low-pressure port (2).