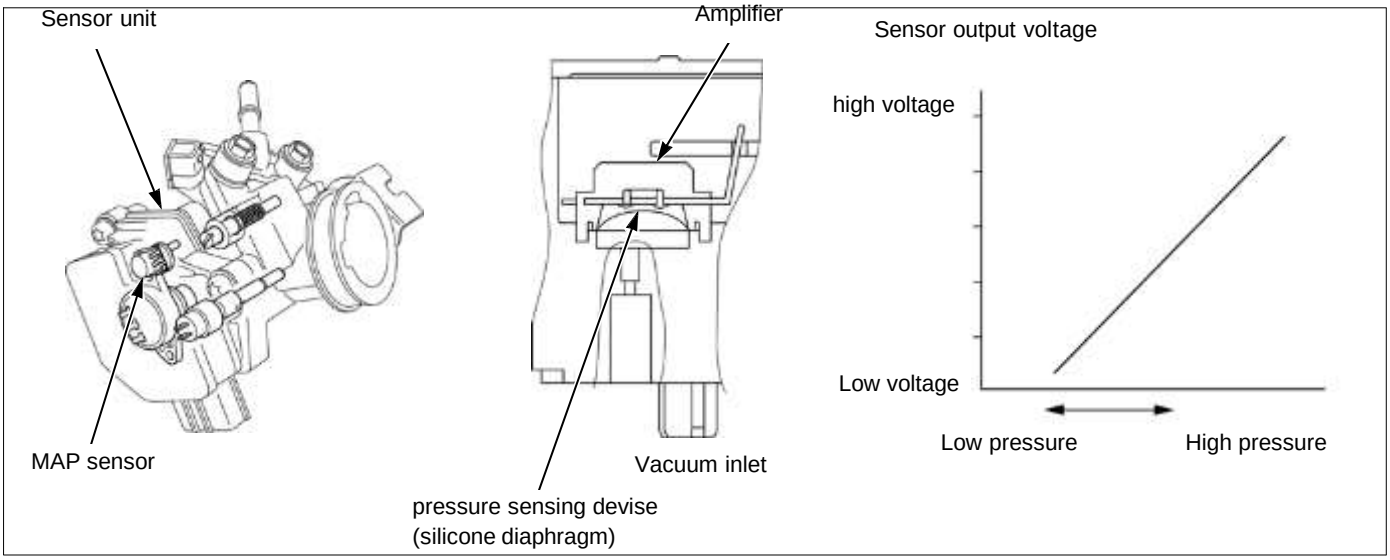
MAP SENSOR

- MAP sensor detects the vacuum pressure inside the intake manifold, converts the pressure to the voltage and send it to the ECM.
- MAP sensor includes pressure sensing devise (silicone diaphragm) in its body. When pressure is applied, the resistance of device varies and the sensor boosts tiny voltage to applicable value so that inside amplifier can be read by ECM.
- If the intake manifold pressure is low, the voltage sent to the ECM is low. The higher voltage becomes as the greater vacuum becomes.
- Depending on the data from the MAP sensor, the ECM determines basic fuel discharge duration.



SYSTEM DIAGRAM

(1) Sensor unit connector (Wire side) (2) ECM connector (Wire side)