■ FUEL PRESSURE SENSOR

1. Construction

- The fuel pressure sensor, which is mounted on the common-rail, outputs a signal that represents the fuel pressure in the common-rail to the ECM in order to constantly regulate the fuel at an optimal pressure.
- The fuel pressure sensor consists of a semiconductor which utilizes the characteristics of a silicon chip that changes its electrical resistance when pressure is applied to it.
- The fuel pressure sensor has 2 circuits (main and sub), which enable the ECM to constantly compare the values detected by the 2 circuits. As a result, highly precise values can be detected, which also enables a higher level of fail-safe control.

