Description

Installed on the intercooler assembly, the Boost Pressure Sensor (BPS) measures the pressure of compressed air in the turbocharger.

The BPS consists of a piezo-electric element and a hybrid IC amplifying the element''s output signal. The element is silicon diaphragm type and adapts pressure sensitive variable resistor effect of semi-conductor. One side of silicon diaphragm is 100% vacuum and turbocharger pressure is applied on the other side. Hence, output is gained from the silicon variation in proportion to the pressure change.