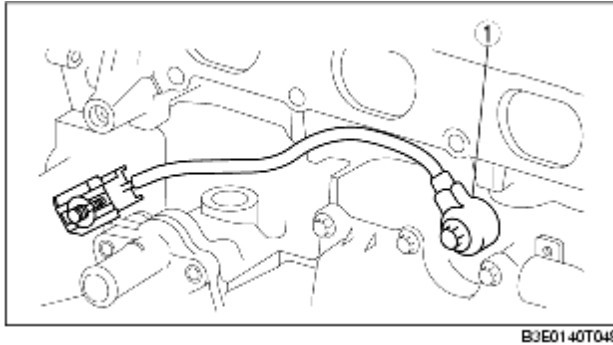


KNOCK SENSOR (KS) CONSTRUCTION/OPERATION [LF]

B3E014018921T02



- Installed on the front of the cylinder block (intake manifold side).
- Converts vibration from abnormal combustion in the engine to voltage using the piezoelectric effect in the semi-conductor and outputs it to the PCM.
- The piezoelectric effect is a phenomenon in which a difference in electric potential is produced on the surface of a piezoelectric element by the application of tensile load or pressure from a certain direction. Tensile load and pressure applied to the KS originates from engine vibration caused by abnormal combustion in the engine. The difference in electric potential, which results from the distortion by the vibration, is sent to the PCM as a knocking signal.