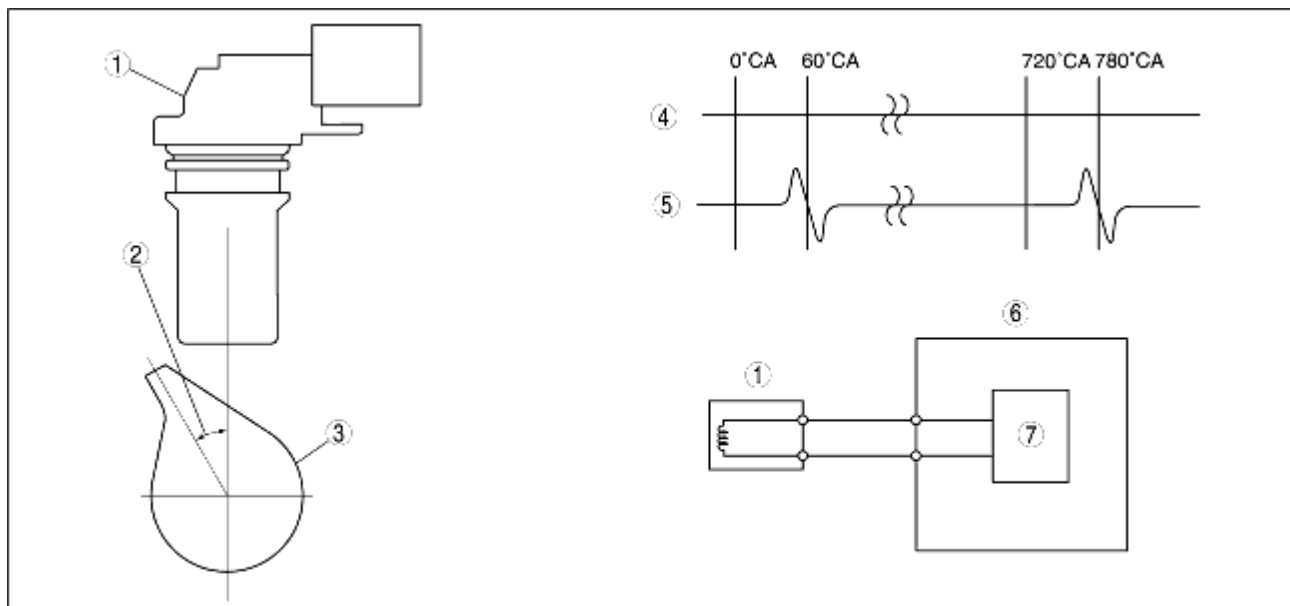


# CAMSHAFT POSITION (CMP) SENSOR CONSTRUCTION/OPERATION [LF]

B3E014018200T02

- Installed on the engine head cover.
- Detects one pulse per one camshaft rotation from the projection on the intake manifold side of the camshaft.
- The projection detects the position **60°** after TDC of compression in the No.1 cylinder.
- The change in the amount of magnetic flux density detected by the magnetic pickup coil in the camshaft position sensor is input to the PCM as voltage.
- If the camshaft position sensor is removed/installed or replaced, magnetized objects such as metal shavings adhering to the sensor could cause distortion in the magnetic flux of the magnetic pickup coil, causing abnormal sensor output which could adversely affect the engine control.



B3E0140T038

1	CMP sensor
2	Cam angle <b>30°</b>
3	Intake air valve-side camshaft
4	Crank angle
5	CMP sensor output pulse
6	PCM
7	CPU