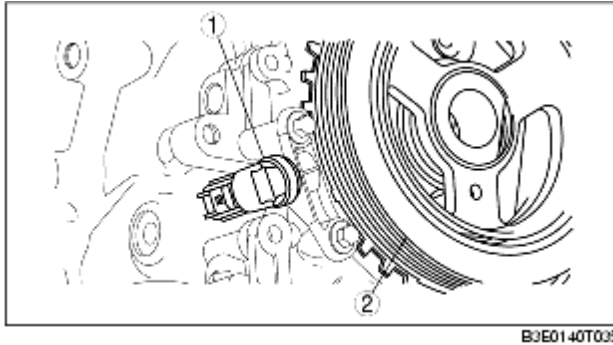


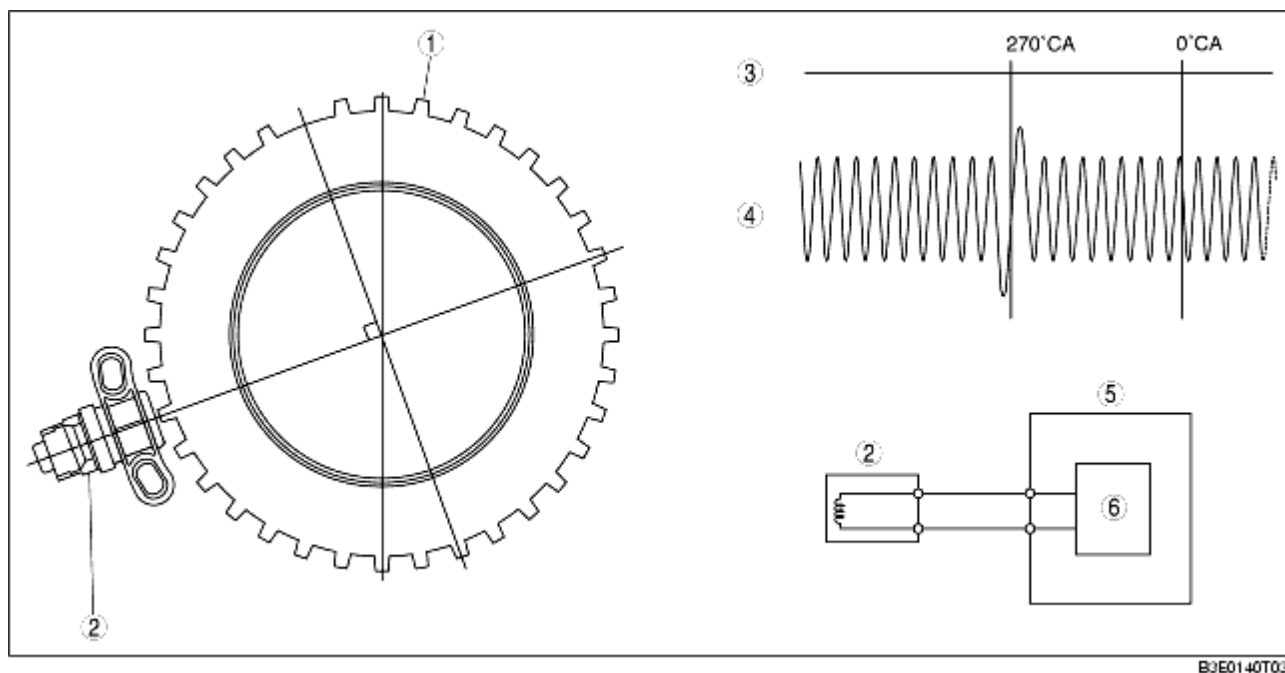
## CRANKSHAFT POSITION (CKP) SENSOR CONSTRUCTION/OPERATION [LF]

B3E014018230T04



1	CKP sensor
2	Crankshaft pulley

- Installed on the side surface of the cylinder block (driver's side). Assembled at the ninth pulse position (**90 °**) from the area where there is no single projection on the crankshaft position sensor pulse wheel.
- The crankshaft position sensor pulse wheel has 35 projections and spaces with **10 °** of crank angle between each projection.
- The fluctuation in magnetic flux density detected by the magnetic pickup coil in the crankshaft position sensor is input to the PCM as voltage.
- If the crankshaft position sensor is removed/installed or replaced, magnetized objects such as metal shavings adhering to the sensor could cause fluctuation in the magnetic flux of the magnetic pickup coil, causing abnormal sensor output which could adversely affect engine control.



B3E0140T006

1	Pulse wheel
2	Crankshaft position sensor
3	Crank angle
4	Crankshaft position sensor output pulse
5	PCM
6	CPU