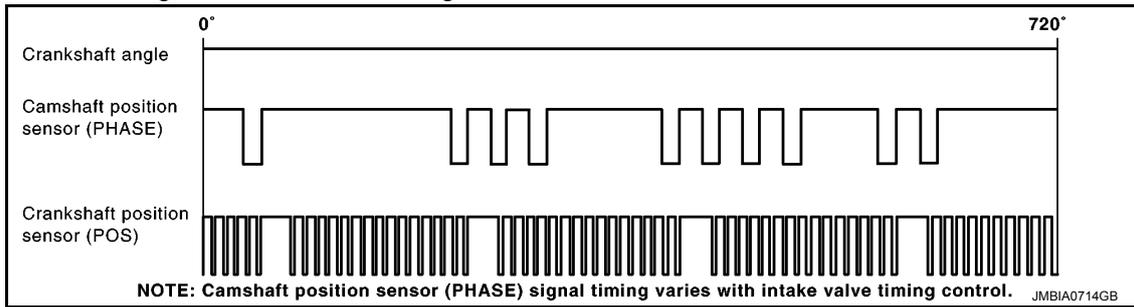


COMPONENT PARTS

[HR16DE]

< SYSTEM DESCRIPTION >

ECM receives the signals as shown in the figure.



Clutch Pedal Position Switch

INFOID:000000006496191

When the clutch pedal is depressed, the clutch pedal position switch turns OFF and the clutch pedal position switch signal is sent to the ECM. The ECM judges the clutch pedal conditions via the signal (ON or OFF).

Cooling Fan

INFOID:000000006496192

Cooling fan operates at low and high speed when the current flows in the cooling fan motor. Refer to [EC-479. "COOLING FAN CONTROL : System Description"](#) for cooling fan operation.

Crankshaft Position Sensor

INFOID:000000006496193

The crankshaft position sensor is located on the cylinder block rear housing facing the gear teeth (cogs) of the signal plate at end of the crankshaft. It detects the fluctuation of the engine revolution.

The sensor consists of a permanent magnet and Hall IC.

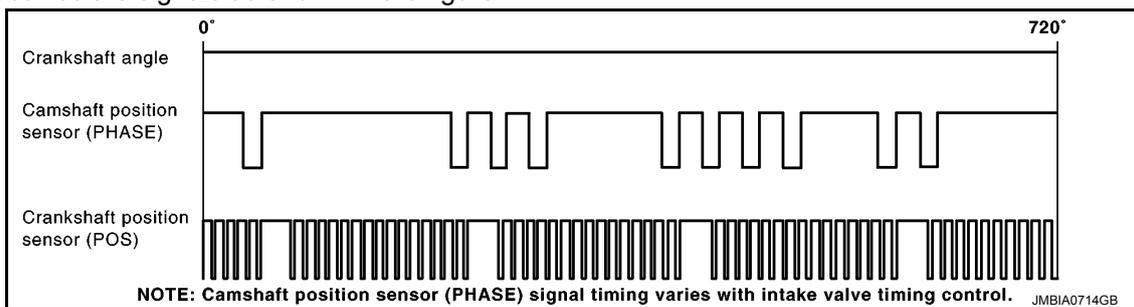
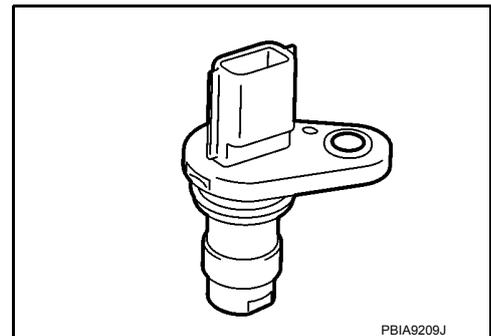
When the engine is running, the high and low parts of the teeth cause the gap with the sensor to change.

The changing gap causes the magnetic field near the sensor to change.

Due to the changing magnetic field, the voltage from the sensor changes.

The ECM receives the voltage signal and detects the fluctuation of the engine revolution.

ECM receives the signals as shown in the figure.



ECM

INFOID:000000006496194

The ECM consists of a microcomputer and connectors for signal input and output and for power supply. The ECM controls the engine.

