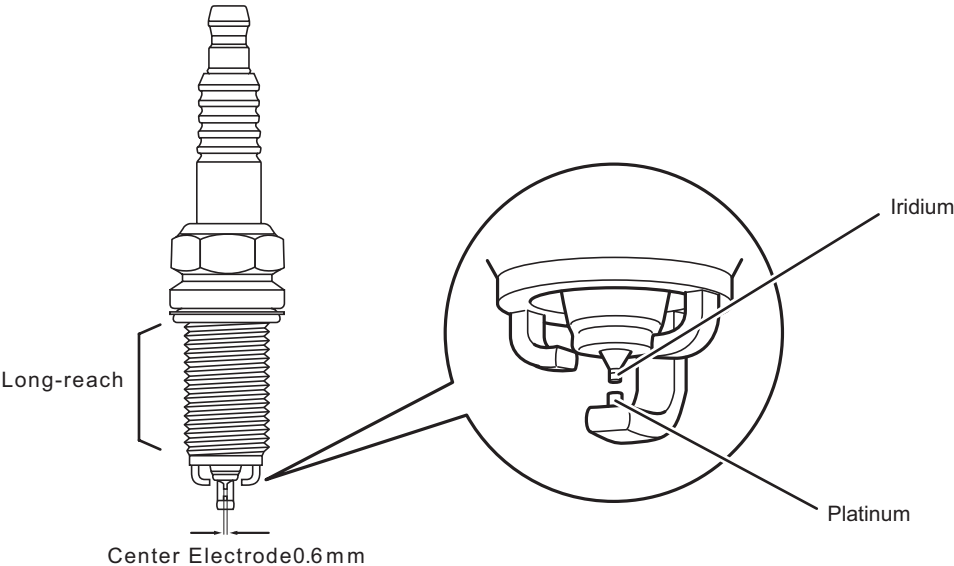


Spark Plug

- Long-reach spark plugs are used to improve the cooling performance of the cylinder heads.
- The spark plug is the triple ground electrode type that uses an iridium alloy in its center electrode. Because the iridium alloy has extremely superior wear resistance, the center electrode can be made with a small diameter. This produces reliable ignition while improving durability. Furthermore, two ground electrodes have been added to further improve ignitability, wear resistance, and fouling resistance.



A4270087P

Spark Plug

DENSO	FK20HBR11
NGK	ILFR6D11T
Plug Gap [mm (in.)]	1.0 ~ 1.1 (0.0394 ~ 0.043)

Crankshaft Position Sensor

- The timing rotor of the crankshaft consists of 34 teeth, with 2 teeth missing. The crankshaft position sensor outputs the crankshaft rotation signals every 10°, and the missing teeth are used to determine the top-dead-center.
(See page EG-119)

Camshaft Position Sensor

- These sensors are the MRE (Magnetic Resistance Element) type. The rotational movement of the timing rotor (which is provided in the VVT-i controller of the intake camshaft) causes a magnetic field to act on the magnetic resistance element in the sensor. The sensor utilizes the changes that occur in the direction of the magnetic field to detect the position of the timing rotor, which determines the position of the actual camshaft. The cylinders are identified by the input sequence of the Ne and G2 signals.
(See page EG-120)