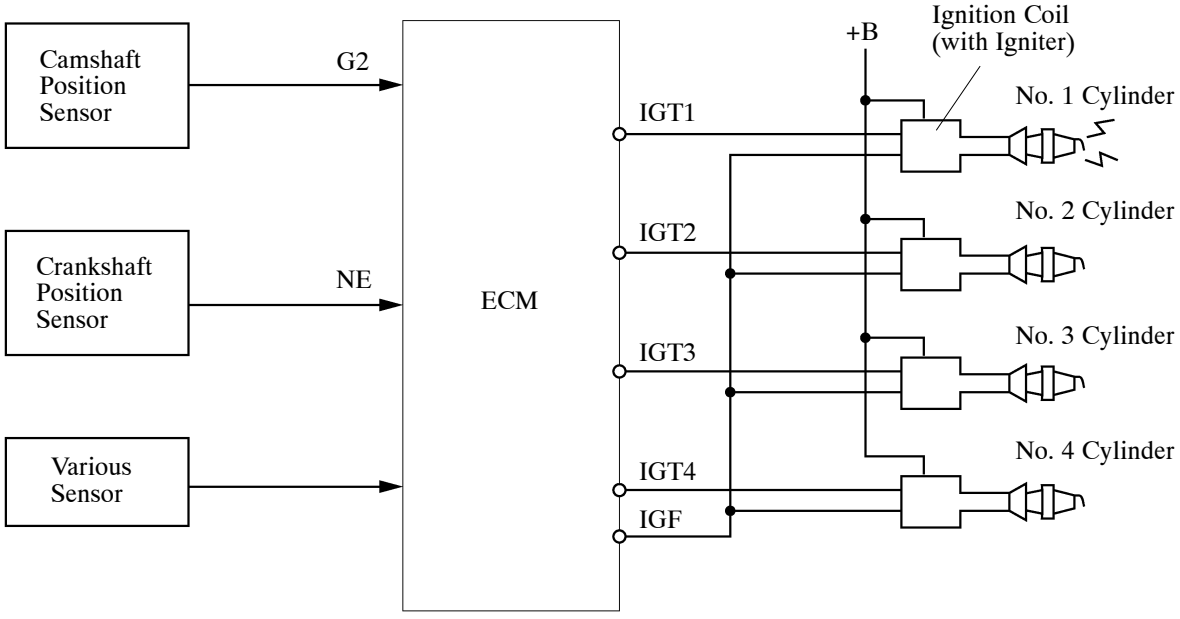
■IGNITION SYSTEM

1. General

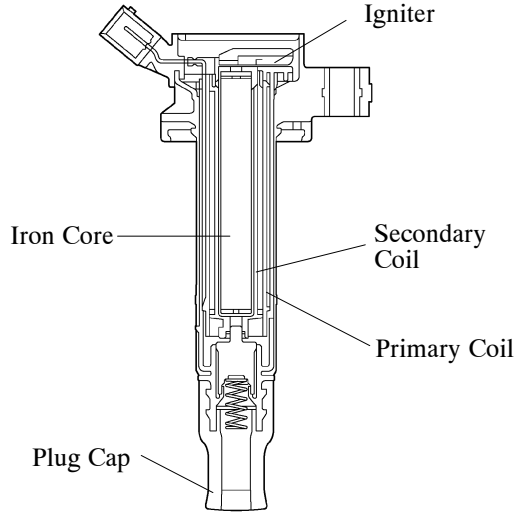
A DIS (Direct Ignition System) is used. The DIS improves the ignition timing accuracy, and reduces high-voltage loss. Also, the overall reliability of the ignition system has been enhanced by discontinuing the distributor. The DIS in this engine is an independent ignition system, which has one ignition coil for each cylinder.



165EG25

2. Ignition Coil

The DIS provides 4 ignition coils, one for each cylinder. The spark plug caps, which provide contact to spark plugs, are integrated with an ignition coil. Also, an igniter is enclosed to simplify the system.

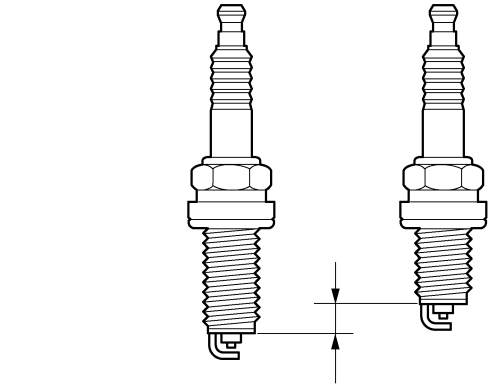


Ignition Coil Cross Section

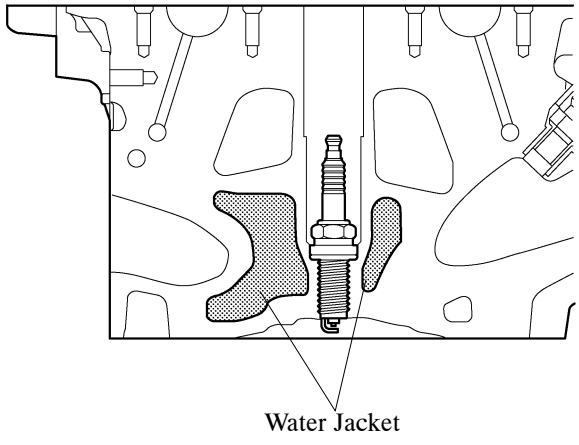
271EG35

3. Spark Plug

Long-reach type spark plugs are used. This type of spark plug allows the area of the cylinder head that receives the spark plugs to be made thick. Thus, the water jacket can be extended near the combustion chamber, which contributes to cooling performance.



Long-reach Type **Conventional Type**



271EG36

▶ Specifications ◀

Engine Type	Unleaded Gasoline Engine	Leaded Gasoline Engine
DENSO	K20HR-U11	K20HR-U11
NGK	—	LFR6C-11
Plug Gap	1.1 mm (0.043 in.)	←