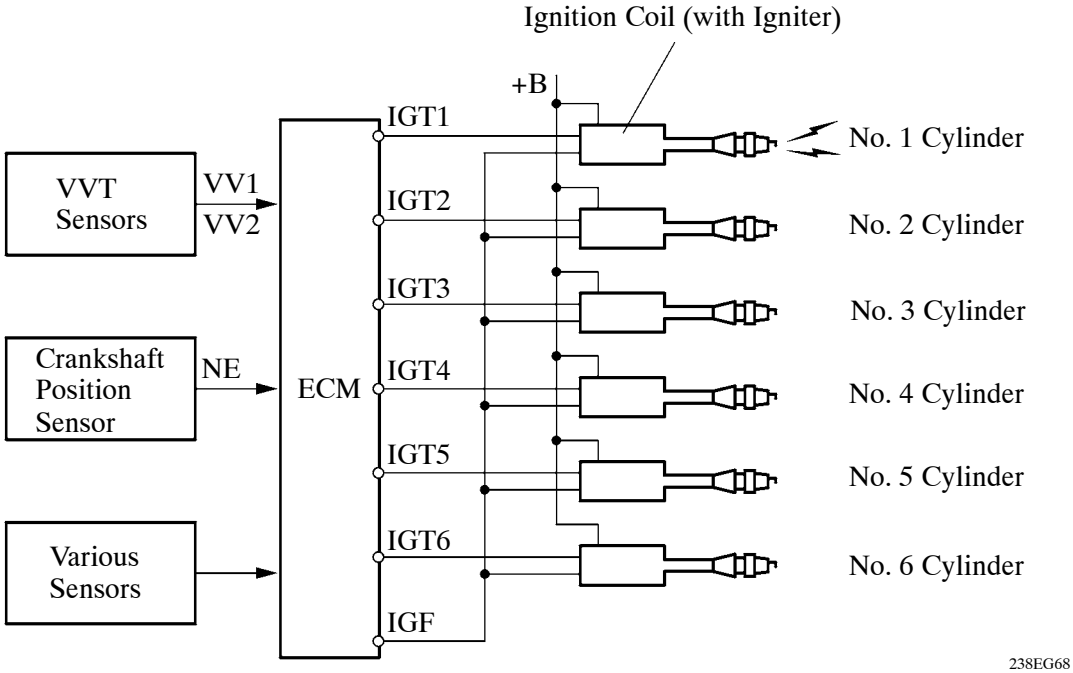
■IGNITION SYSTEM

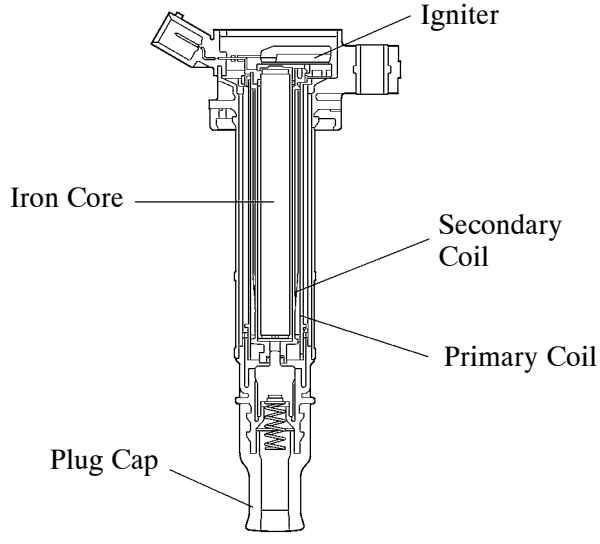
1. General

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



2. Ignition Coil

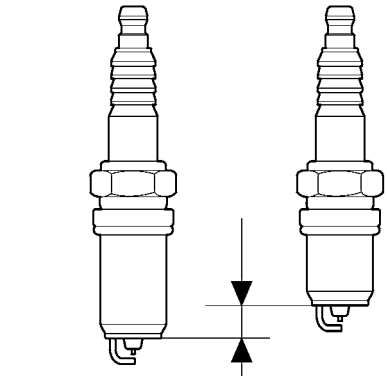
The DIS provides 6 ignition coils, one for each cylinder. The spark plug caps, which provide contact to the spark plugs, are integrated with an ignition coil. Also, an igniter is enclosed to simplify the system.

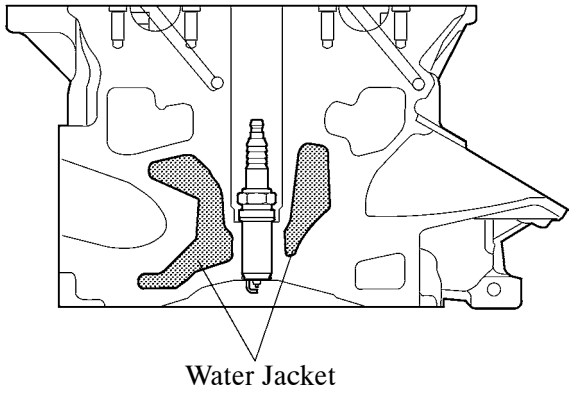


Ignition Coil Cross Section

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.





▶ Specifications ◀

DENSO	K20HR-U11
NGK	LFR6C-11
Plug Gap	1.0 – 1.1 mm (0.0394 – 0.0433 in.)