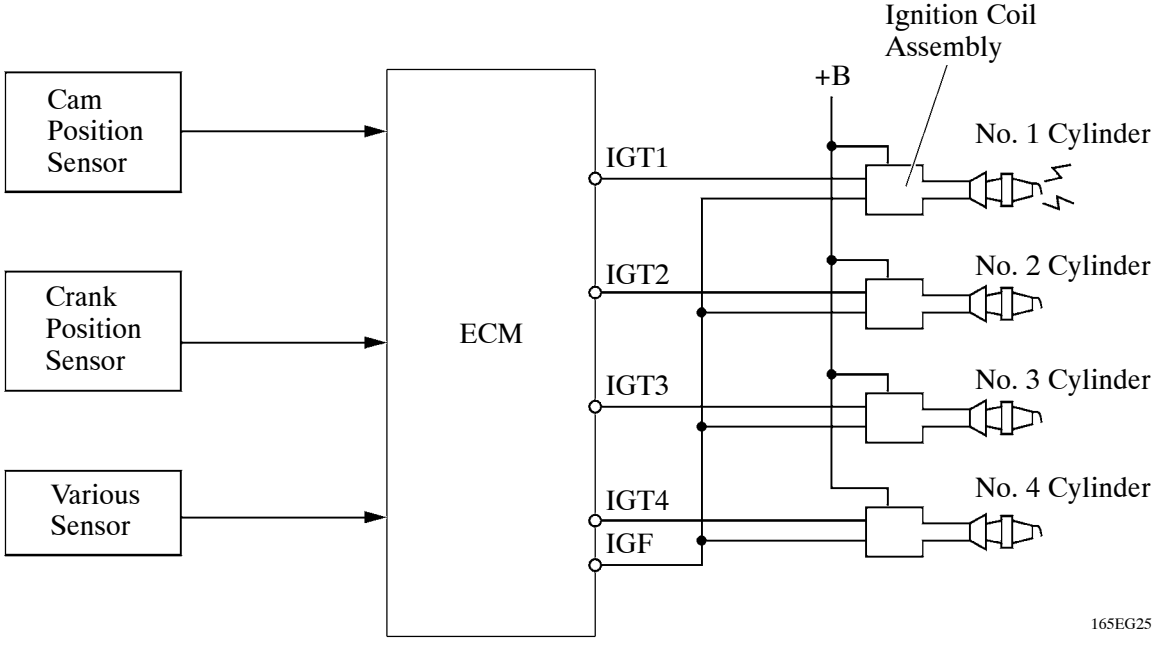
■IGNITION SYSTEM

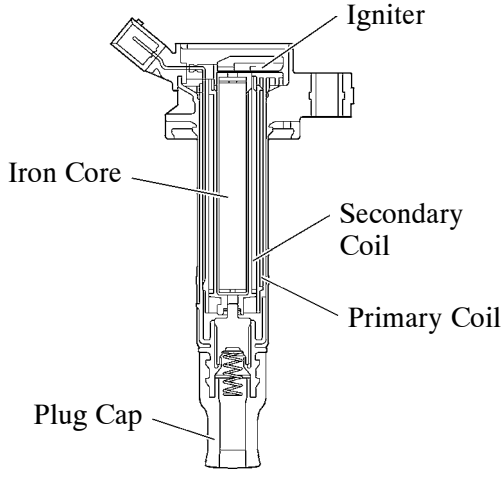
1. General

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 1 ignition coil for each cylinder.



2. Ignition Coil

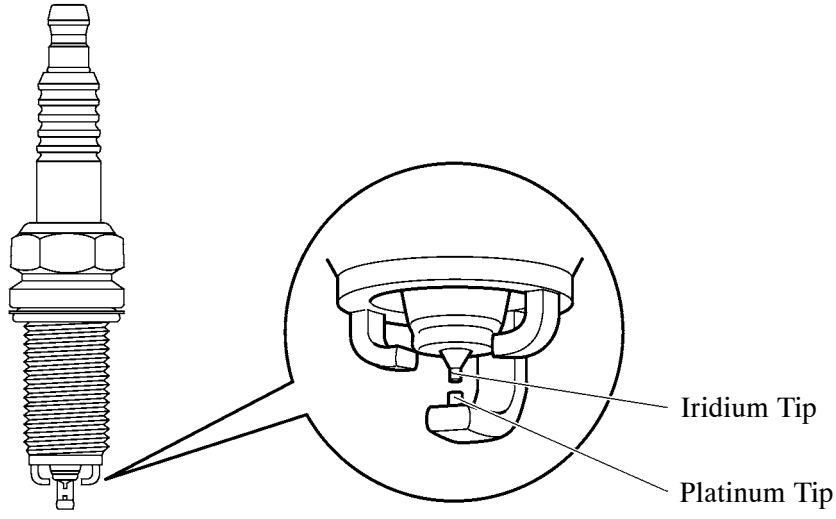
The DIS provides 4 ignition coils, one for each cylinder. The spark plug caps, which provide contact to spark plugs, are integrated with an ignition coil assembly. Also, an igniter is enclosed to simplify the system.



Ignition Coil Assembly 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.



Long-reach Type

04Z7EG26

▶ Specifications ◀

DENSO	FK20HBR11-T
Plug Gap	1.1 mm (0.043 in.)