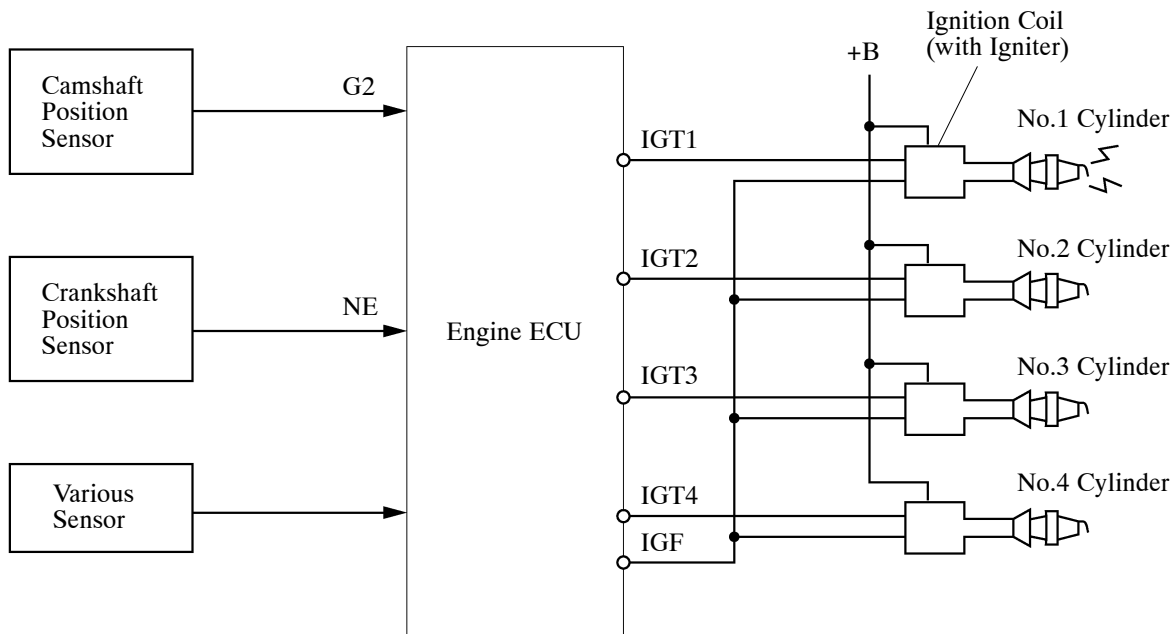


9. Ignition System

General

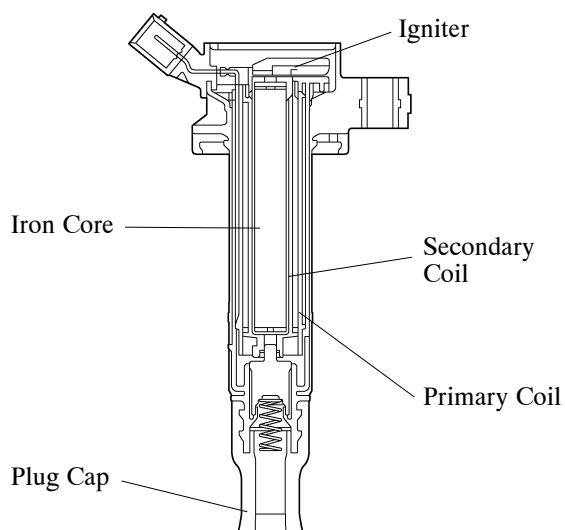
A DIS (Direct Ignition System) is used. The DIS improves the ignition timing accuracy, reduces high-voltage loss, and enhances the overall reliability of the ignition system by eliminating the distributor. The DIS in this engine is an independent ignition system, which has one ignition coil for each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



165EG25

Ignition Coil

The DIS is provided with 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.

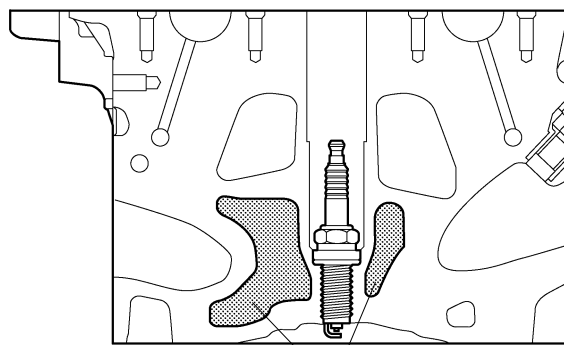
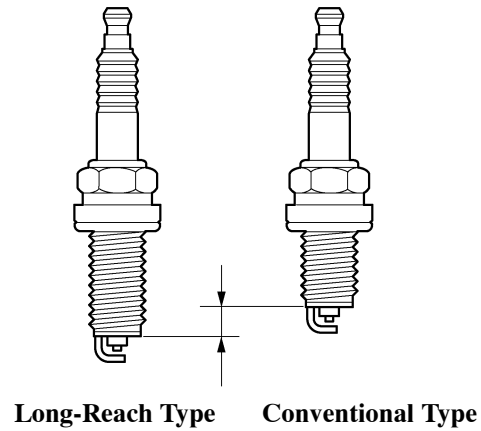


Ignition Coil Cross Section

271EG35

Spark Plug

Long-reach type spark plugs have been adopted. This type of spark plugs allow the area of the cylinder head to receive the spark plugs to be made thick. Thus, the water jacket can be extended near the combustion chamber, which contributes to cooling performance.



Water Jacket

271EG36

► Specifications ◀

Unleaded Gasoline Model	DENSO	SK20HR11
	NGK	ILFR6C11
Leaded Gasoline Model	DENSO	K20HR-U11
	NGK	LFR6C11
Plug Gap		1.1 mm (0.04 in.)