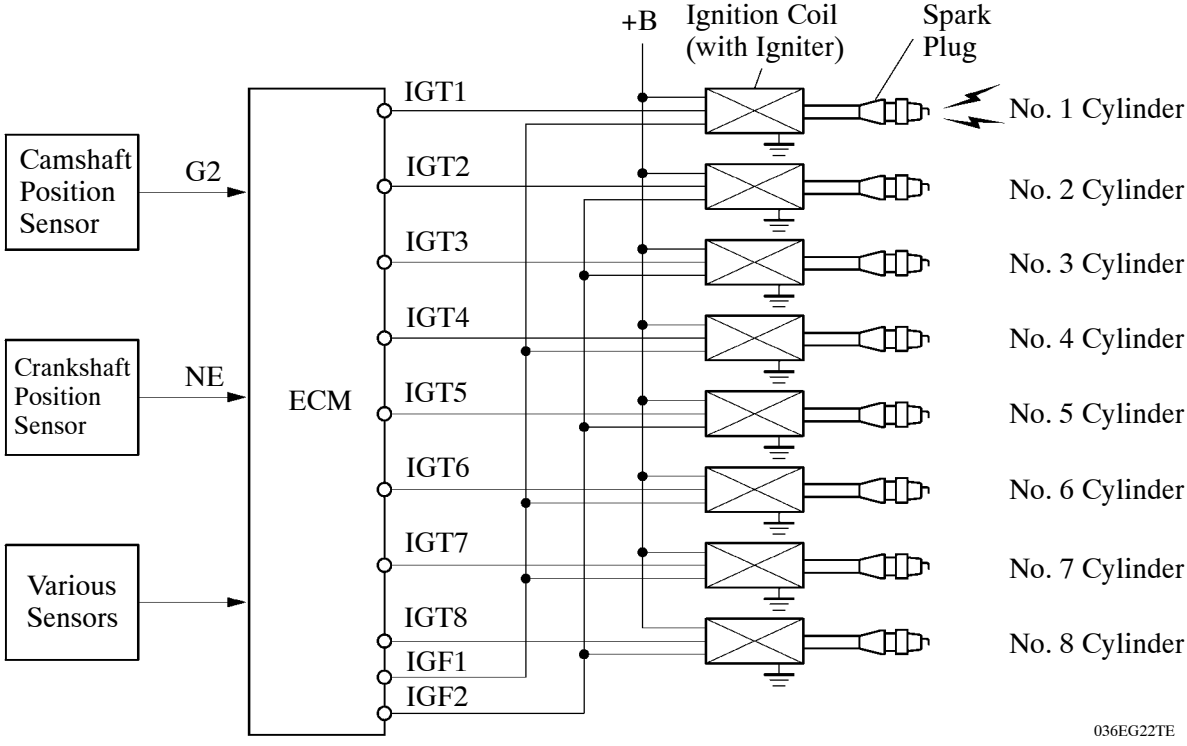
■IGNITION SYSTEM

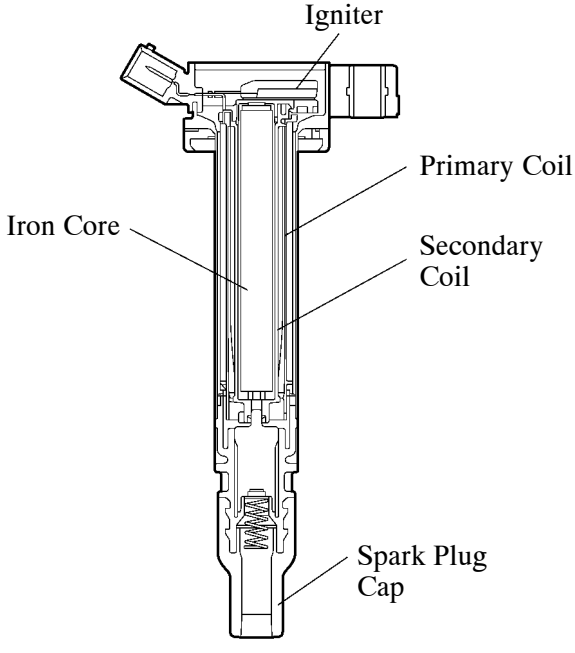
1. General

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



2. Ignition Coil

The DIS provides 8 ignition coils, one for each cylinder. The spark plug caps, which provide contact to spark plugs, are integrated with the ignition coil. Also, an igniter is enclosed to simplify the system.



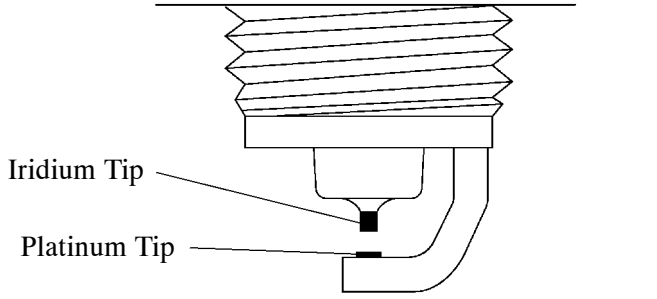
Ignition Coil Cross Section

05AEG39TE

EG

3. Spark Plug

Iridium-tipped spark plugs are used to achieve a 60000 mile (100000 km) maintenance interval. By an iridium center electrode, superior ignition performance to platinum-tipped spark plugs is achieved and durability is increased.



▶ Specification ◀

Manufacturer	DENSO	NGK
Type	SK20R11	IFR6A11
Plug Gap	1.0 – 1.1 mm (0.0394 – 0.0433 in.)	