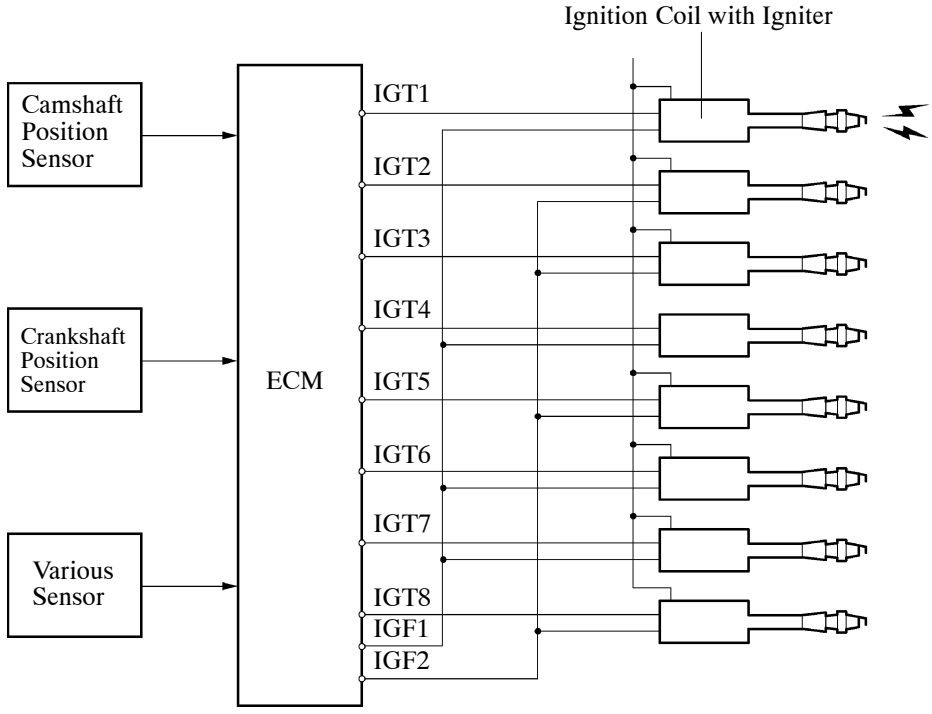
■IGNITION SYSTEM

1. General

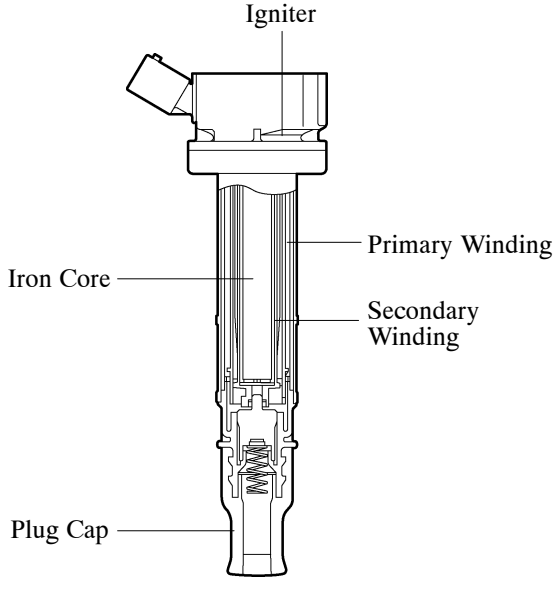
A DIS (Direct Ignition System) is used. The DIS improves ignition timing accuracy, reduces high-voltage loss, and enhances the overall reliability of the ignition system by eliminating the distributor.
The DIS is an independent ignition system which has one ignition coil (with an integrated igniter)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



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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.



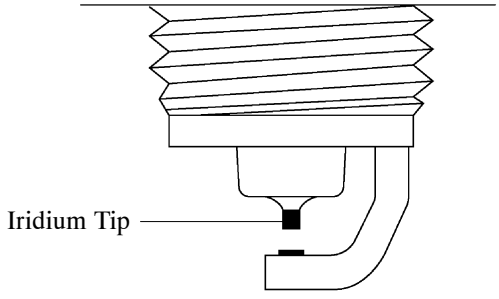
Ignition Coil Cross Section

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3. Spark Plug

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



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