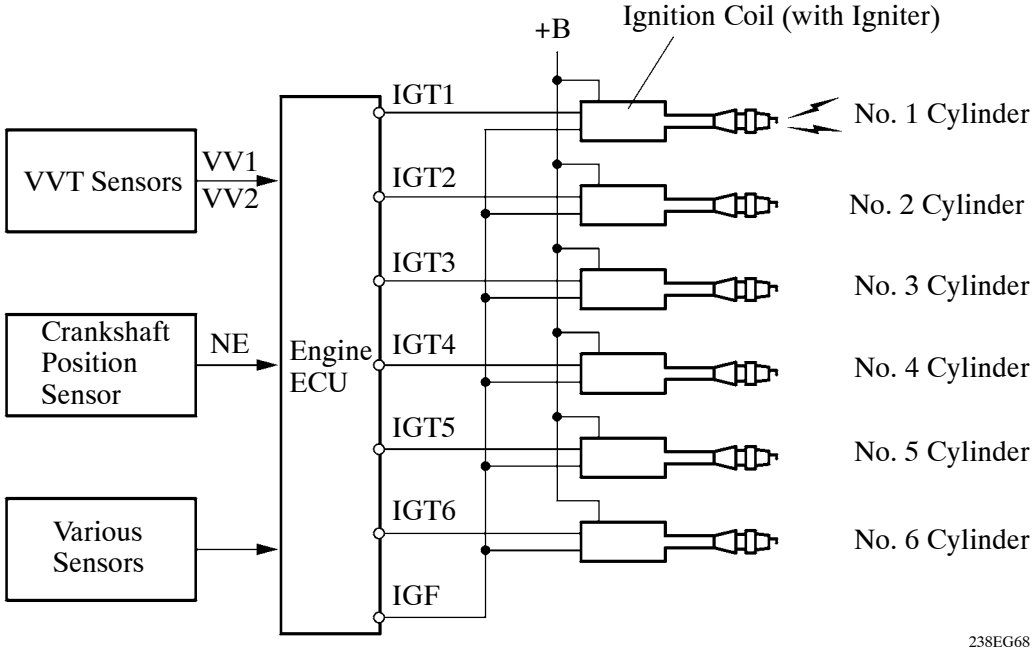
9. Ignition System

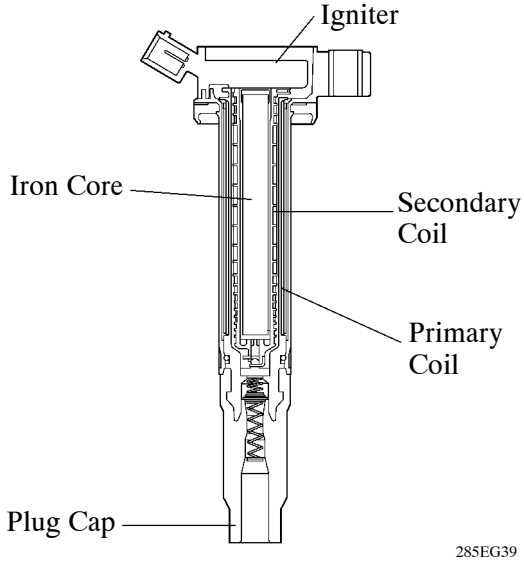
General

- 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 is an independent ignition system which has one ignition coil (with igniter) for each cylinder.



Ignition Coil

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



Spark Plug

- Long-reach type spark plugs are used. 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.
- Iridium-tipped spark plugs are used to achieve a 193,000 km (120,000 miles) maintenance interval. By making the center electrode of iridium, the superior ignition performance as platinum-tipped spark plugs is achieved and durability has been increased.

