

■ FEATURES OF 2JZ-GE ENGINE

The 2JZ-GE engine has been able to achieve the following performance through the adoption of the items listed below.

- (1) High performance and fuel economy
- (2) Low noise and vibration
- (3) Clean emission

Item	(1)	(2)	(3)	IS300/ IS300 SportCross	GS300
The VVT-i system is used.	○		○	○	○
The ETCS-i system is used.	○			○	○
The ACIS is used.	○			○	○
The 2 TWCs (Three-way Catalytic Converters) have been integrated with the exhaust manifold.			○	○	○
A double-wall construction exhaust manifold made of stainless steel has been adopted.			○	○	○
4-heated oxygen sensor have been adopted.			○	○	○
A long tail muffler is used.		○		○	○
Dual type long pipe construction has been adopted in the front exhaust pipe.	○	○		○	○
An air assist fuel injection system is used.	○			○	○
4-hole type fuel injectors are used.	○		○	○	○
A fuel return less system is used.			○	○	○
Iridium-tipped spark plugs have been adopted.	○			○	○

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■ MAJOR DIFFERENCE (from GS300)

Engine Proper	Configuration and structure are the same as GS300.
Valve Mechanism	Configuration and structure are the same as GS300.
Lubrication System	Configuration and structure are the same as GS300.
Cooling System	An ATF warmer has been adopted.
Intake and Exhaust System	Single outlet type exhaust pipe and muffler are used.
Fuel System	Configuration and structure are the same as GS300.
Ignition System	Configuration and structure are the same as GS300.
Serpentine Belt Drive System	Configuration and structure are the same as GS300.
Engine Control System	A 2-step fuel pump speed control has been adopted.