■ FEATURES OF 1ZZ-FE ENGINE

The 1ZZ-FE 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) Lightweight and compact design

(4) Good serviceability

(5) Clean emission

Item	(1)	(2)	(3)	(4)	(5)
The VVT-i system is used.	○				○
A partition plate has been provided between the exhaust manifold and the exhaust front pipe to achieve a dual construction.	○				○
A heat insulator has been adopted in the exhaust manifold.		○			○
Intake Air Flow Control System has been adopted.		○			
Intake manifold made of plastic has been adopted.			○		
A cylinder block made of aluminum alloy has been adopted.			○		
The DIS (Direct Ignition System) makes ignition timing adjustment unnecessary.				○	
Serpentine belt drive system has been adopted.			○	○	
12-hole type fuel injectors have been adopted.	○				○
A TWC (Three-Way Catalytic Converter) with optimized internal construction has been adopted.					○
A rearward exhaust layout has been adopted to realize an early activation of the catalyst.					○