■ FEATURES OF 3MZ-FE ENGINE

The 3MZ-FE engine has achieved 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 ETCS-i has been adopted.	○		○		
A cylinder block made of aluminum alloy has been adopted.			○		
Independent type DIS (Direct Ignition System) has been adopted.	○			○	○
The fuel returnless system has been adopted.			○	○	○
Quick connectors are used to connect the fuel hose with the fuel pipes.				○	
12-hole type fuel injectors have been adopted.	○				○
Iridium-tipped spark plugs have been adopted.	○			○	
ACIS (Acoustic Control Induction System) is used.	○				
TOYOTA Genuine SLLC (Super Long Life Coolant) has been adopted.				○	
The plastic made intake air chamber has been adopted.			○		
A multiplex layer plastic made fuel tank has been adopted.			○		
The segment conductor type alternator has been adopted.			○		
An electric cooling fan control system has been adopted.	○				
The no-contact sensor has been adopted in the throttle position sensor.			○		
The no-contact sensor has been adopted in the accelerator pedal position sensor.			○		
● The use of an air fuel ratio sensor allows precise control. ● The planar type air fuel ratio sensor has been adopted.	○		○		○
The flat type knock sensor has been adopted.			○		
The 32-bit CPU of the engine ECU has been adopted to increase the speed for processing the signals.	○				
A 2-way exhaust control system has been adopted.					○
The PS (Planetary reduction-Segment conductor motor) starter has been adopted.			○		