

## ■ FEATURES OF 2UZ-FE ENGINE

The 2UZ-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)
An upright intake port is used to improve the intake efficiency.	○				
A taper squish configuration is used to improve the combustion efficiency.	○				○
A steel laminate type cylinder head gasket is used to ensure its reliability.				○	
An aluminum oil pan that is integrated with stiffeners is used to reduce noise and vibration.		○			
The skirt portion of the piston is applied with resin coating to reduce friction.	○	○			
Inner shim type valve lifters are used.	○		○		
Large-diameter intake and exhaust valves are used to reduce the intake and exhaust resistance.	○				○
A multi-plate aluminum type automatic transmission oil cooler is used in the radiator lower tank.	○				
A long port intake manifold is used to improve the engine's torque in the low-to-mid speed range.	○				
4-hole type fuel injectors are used to improve the atomization of fuel.	○				○
The DIS (Direct Ignition System) makes ignition timing adjustment unnecessary.	○			○	○
Segment Conductor type generator has been adopted.	○		○		
Cranking hold function has been adopted.				○	
ETCS-i has been adopted to achieve excellent controllability and comfort of the vehicle.	○				
The link-less type throttle body 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.				○	
A carbon filter, which adsorbs the HC that accumulates in the intake system when the engine is stopped, has been adopted in the air cleaner cap.					○
A service port has been provided for inspecting the evaporating emission control system.				○	
The vacuum type monitor has been adopted to detect leaks in the evaporative emission control system.				○	○