■ FEATURES OF 2UZ-FE ENGINE

The 2UZ-FE engine has been able to achieve the following performance through the use of the items listed below.

(1) High performance and reliability

(2) Low noise and vibration

(3) Lightweight and compact design

(4) Good serviceability

(5) Clean emission and fuel economy

Item		(1)	(2)	(3)	(4)	(5)
Engine Proper	An upright intake port is used.	○		○		
	A taper squish shape is used for combustion chamber.	○				○
	The piston skirt is coated with resin.	○	○			
	No. 1 oil pan made of aluminum alloy is used.		○	○		
Lubrication System	A water-cooled type oil cooler is used.	○				
Cooling System	TOYOTA Genuine SLLC (Super Long Life Coolant) is used as the engine coolant.				○	
Intake and Exhaust System	A long-port intake manifold made of plastic is used.	○		○		
	The linkless-type throttle body is used.			○	○	
	Stainless steel exhaust manifolds are used.			○		
	Ceramic type TWCs (Three Way Catalytic converters) are used.					○
Fuel System	4-hole type fuel injectors are used to improve the atomization of fuel.	○				○
Ignition System	The DIS (Direct Ignition System) makes ignition timing adjustment unnecessary.	○			○	○
Charging System	Segment Conductor type generator is used.	○		○		
Serpentine Belt Drive System	A serpentine belt drive system is used.			○	○	
Engine Control System	MRE (Magnetic Resistance Element) type camshaft position sensor is used.	○				
	The ETCS-i (Electronic Throttle Control System-intelligent) is used.	○				○
	The VVT-i (Variable Valve Timing-intelligent) system is used.	○				○
	The ACIS (Acoustic Control Induction System) is used.	○				○
	An air injection system is used.					○
	The starter control (cranking hold function) is used.	○				

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