■ FEATURES OF 2SZ-FE ENGINE

The 2SZ-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

Section	Item	(1)	(2)	(3)	(4)	(5)
Engine Proper	An offset crankshaft is used.	○	○			○
Valve Mechanism	The VVT-i system is used.	○				○
	A timing chain and chain tensioner are used.		○		○	
Lubrication System	An oil pan made of aluminum is used.			○		
Intake and Exhaust System	Intake manifold made of plastic is used.			○		
	A stainless steel exhaust manifold is used.			○		
	A TWC (Three-Way Catalytic converter) is used.					○
	The linkless type throttle body is used.			○	○	
Fuel System	The fuel returnless system is used.			○	○	○
	Quick connectors are used to connect the fuel hose with the fuel pipe.				○	
	10-hole type fuel injectors are used.	○				○
Ignition System	The DIS (Direct Ignition System) makes ignition timing adjustment unnecessary.				○	
Engine Control System	The ETCS-i is used.	○				○
	The flat type knock sensor is used.	○				