■FEATURES OF 2KD-FTV ENGINE

The 2KD-FTV engine has achieved the following performance through the adoption 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	A cylinder head cover made of plastic is used.		○	○		
	Piston provided with combustion chamber is used in conjunction with the adoption of direct injection.	○				○
	The passage for the EGR is provided in the cylinder head.			○		○
Valve Mechanism	A shim-less type valve lifter is used.	○			○	
Cooling System	A pressurized reservoir tank is used.	○				
Intake and Exhaust System	An intake shutter valve (throttle valve), which is actuated by a torque motor (rotary solenoid type), is used.	○	○			○
	Air cooled type turbocharger is used.*1	○		○		
	Water cooled type turbocharger is used.*2	○				
	Oxidation catalytic converter is used.*3					○
	An intercooler is used.*4	○				○
Fuel System	HP3 type supply pump is used.	○	○	○		
	A common rail type fuel injection system is used.	○	○			○
	Injector is provided in the bore center.	○				○
	Compensation value and QR code printed injector is used.	○				○
	Fuel cooler is used.*5				○	
	A fuel filter in which the fuel filter element alone can be replaced is used.				○	
	A fuel filter warning switch that detects the clogging of the fuel filter is used.				○	
Charging System	A segment conductor type alternator is used.	○		○		
Engine Control System	An EGR valve position sensor is used.*6					○
	The no-contact sensor is used in the accelerator pedal position sensor and intake shutter valve (throttle valve) position sensor.	○				
	A pilot injection control system is used.	○	○	○		

*1: for Models with Intercooler
*2: for Models without Intercooler
*3: for Thailand and Hong Kong Models
*4: for High Roof, Wide Body, RHD Models
*5: for High Roof Models for Thailand
*6: for Models with EGR Control System