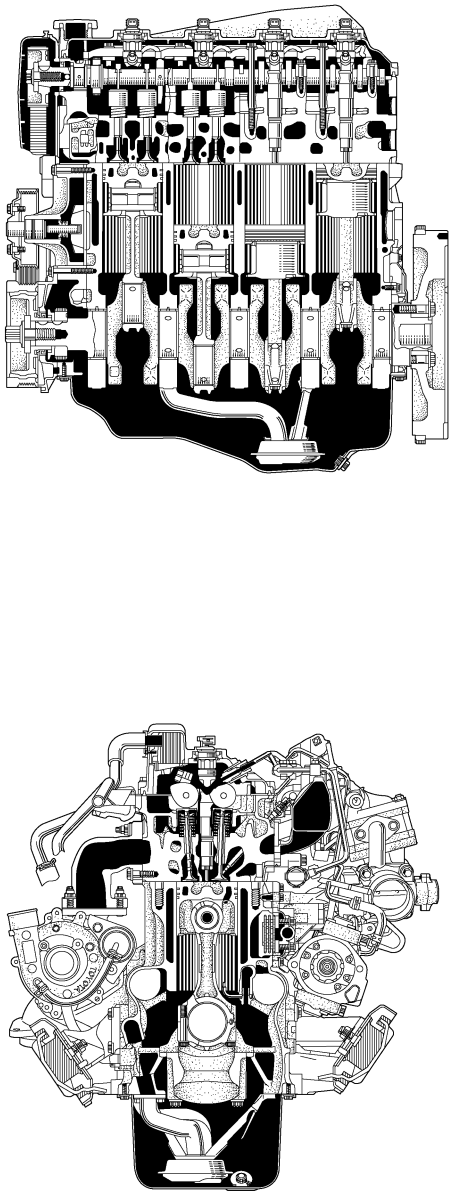
2KD-FTV ENGINE

■ DESCRIPTION

- 2KD-FTV engine is a TOYOTA D-4D (Direct injection 4-stroke common-rail Diesel engine) is 2.5 liter, in-line 4-cylinder, 16 valve DOHC diesel engine with turbocharged.
- This engine uses direct injection system and common-rail system to realize higher performance, clean emission, low noise and low vibration.



286EG48

▶ Engine Specifications ◀

Engine Type			2KD-FTV
No. of Cyls. & Arrangement			4-Cylinder, In-line
Valve Mechanism			16-Valve DOHC, Belt & Gear Drive
Combustion Chamber			Direct Injection Type
Manifolds			Cross-Flow
Fuel System			Common-Rail Type
Displacement		cm^3 (cu. in.)	2494 (152.2)
Bore × Stroke		mm (in.)	92.0 × 93.8 (3.62 × 3.69)
Compression Ratio			18.5 : 1
Max. Output		[EEC]	80 kW @ 3600 rpm 75 kW @ 3600 rpm*2
Max. Torque		[EEC]	260 N·m @ 1600 – 2600 rpm 260 N·m @ 1600 – 2400 rpm*2
Valve Timing	Intake	Open	2° BTDC
		Close	31° ABDC
	Exhaust	Open	30° BBDC
		Close	0° ATDC
Firing Order			1-3-4-2
Fuel Cetan Number			50 or higher
Oil Grade			CF-4, 10W-30
Emission Regulation			EURO III*3
			EURO II*4
			—*5
Engine Service Mass*1 (Reference)		kg (lb)	222 (489)

*1: Weight shows the figure with the oil and water fully filled.
*2: for Models without Intercooler
*3: for Thailand and Hong Kong Models
*4: for Australia, New Zealand Models, and KDH200R-RBPDY and KDH202L-RDPDY of General Countries Models
*5: for G.C.C. Countries and General Countries Models (except KDH200R-RBPDY and KDH202L-RDPDY)