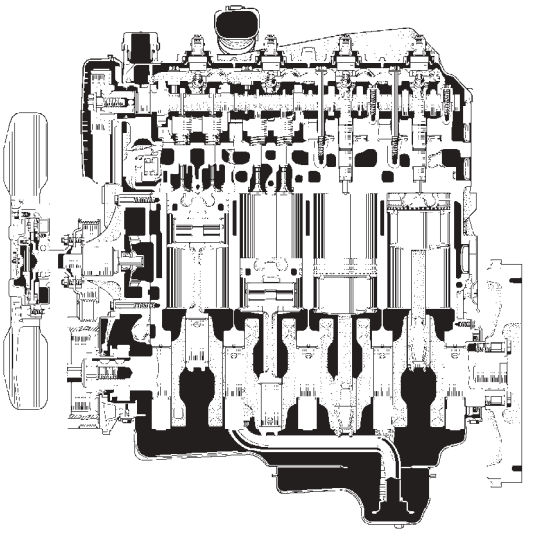
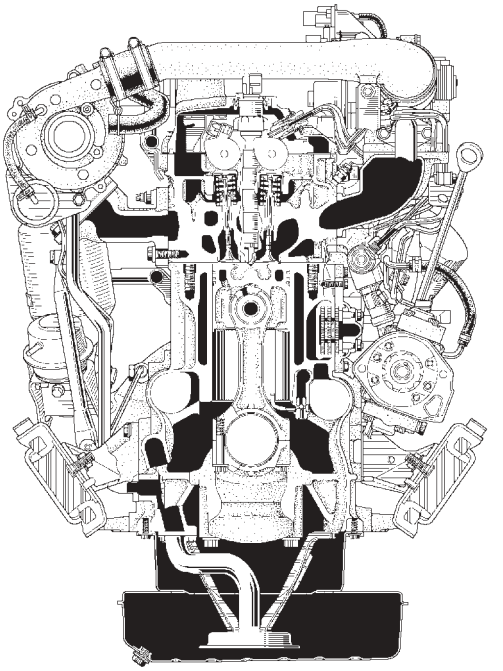
2KD-FTV ENGINE

■DESCRIPTION

- The 2KD-FTV TOYOTA D-4D (Direct injection 4-stroke common-rail Diesel engine) based on the 1KD-FTV engine is in-line 4-cylinder, 2.5-liter, 16 valve DOHC with turbocharged diesel engine.
- 2KD-FTV High Version engine with the improved engine power and torque has been adopted to 4WD Model.
- Each of the 2WD model engine and the 4WD model engine is equipped with an engine ECU that contains an engine control program that differs from each other.
- This engine has following features that have been adopted in order to realize the further improvement of the engine performance, fuel economy and to reduce exhaust emissions.
  1) Common-Rail Injection System
  2) Lightweight and compact supply pump
  3) Meets the European STEP III regulation requirements
  4) EGR valve position sensor
- The basic construction and operation are the same as 1KD-FTV engine in Land Cruiser/Land Cruiser Prado.



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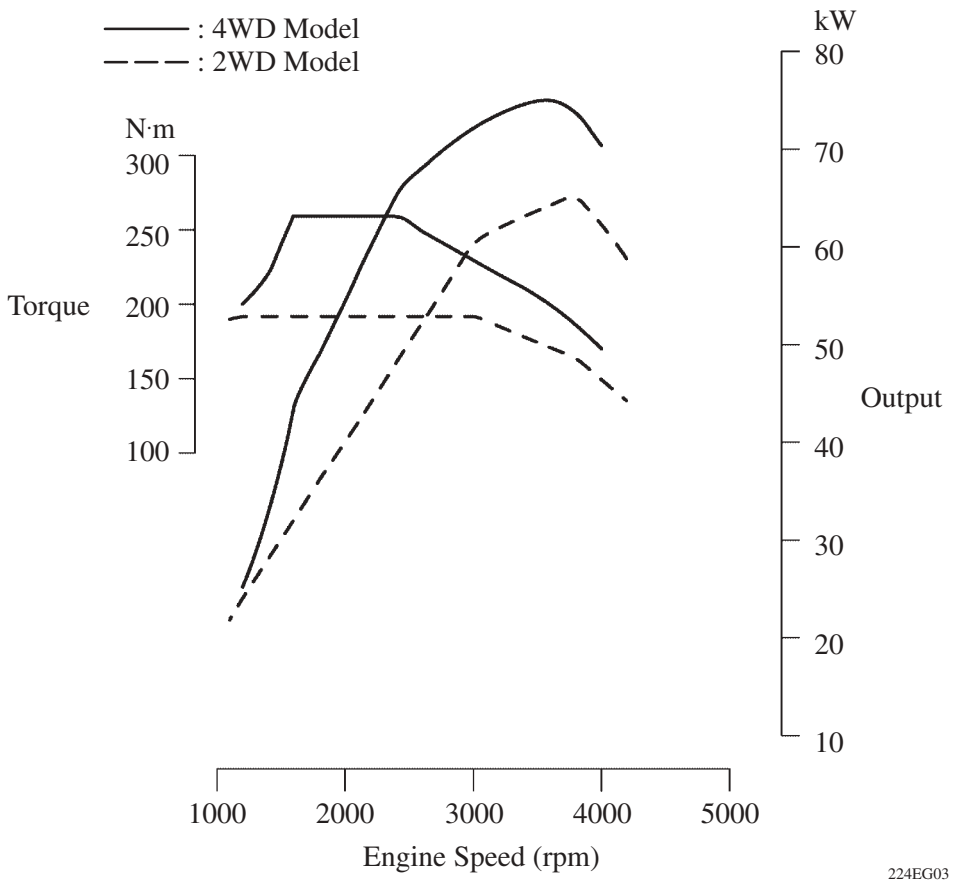
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▶ Engine Specification ◀

Model			2WD Modeel	4WD Model
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 x Stroke	mm (in.)		92.0 x 93.8 (3.62 x 3.69)	←
Compression Ratio			18.5	←
Max. Output	(EEC)		65 kW @ 3800 rpm	75 kW @ 3600 rpm
Max. Torque	(EEC)		192 N·m @ 1200-3000 rpm	260 N·m @ 1600-2400 rpm
Valve Timing	Intake	Open	2° BTDC	←
		Close	31° ABDC	←
	Exhaust	Open	30° BBDC	←
		Close	0° ATDC	←
Fuel Cetane Number			48 or More	←
Dry Weight	kg (lb)		Approx. 225(496)*1, 223(492)*2	Approx. 224(494)*1, 222(489)*2
Oil Grade			CF-4, 5W-30	←

*1: RHD Model
*2: LHD Model

▶ Performance Curve ◀



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