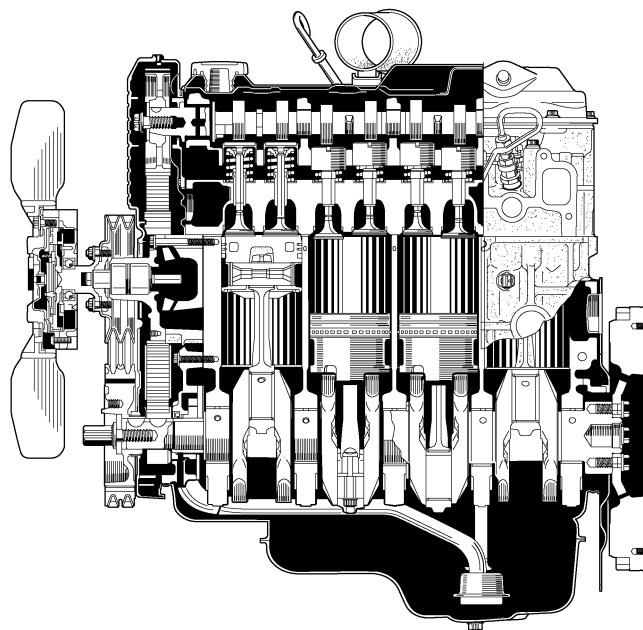


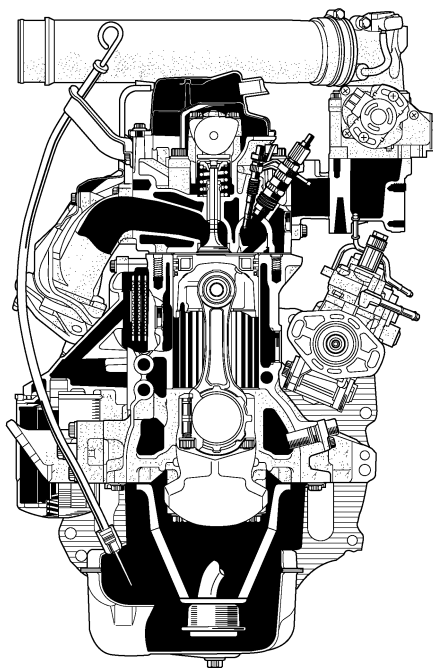
5L-E ENGINE

■ DESCRIPTION

The 5L-E engine is an inline 4-cylinder, 3.0-liter, 8-valve OHC diesel engine. Based on the previous 3L engine, the 5L-E engine achieves higher engine performance by enlarging the bore to increase the cylinder displacement. In addition, an EFI (Electronic Fuel Injection) system has been adopted to realize cleaner emissions.



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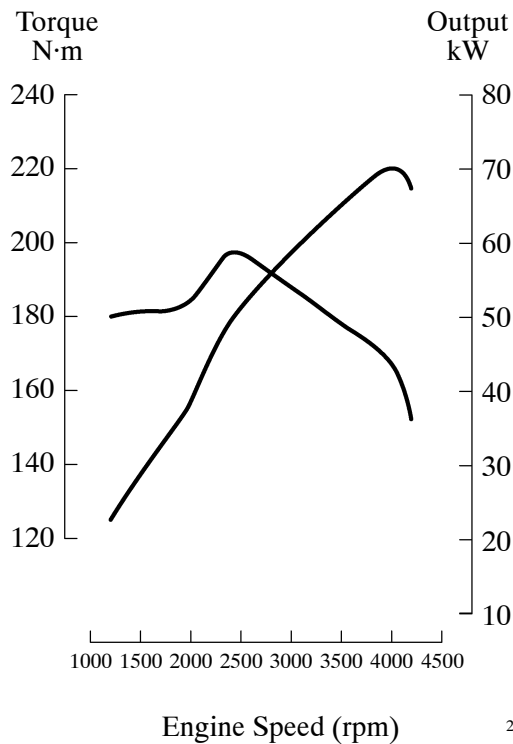
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► Engine Specifications ◀

Engine Type			5L-E	3L
No. of Cyls. & Arrangement			4-Cylinder, In-Line	←
Valve Mechanism			8-Valve OHC, Belt Drive	←
Combustion Chamber			Swirl Type	←
Manifolds			Cross-Flow	←
Fuel System			Distributor Type (Electronically Controlled)	Distributor Type (Mechanically Controlled)
Displacement cm ³ (cu.in.)			2986 (182.2)	2779 (196.6)
Bore × Stroke mm (in.)			99.5 × 96.0 (3.92 x 3.78)	96.0 × 96.0 (3.78 x 3.78)
Compression Ratio			22.2 : 1	←
Max. Output (EEC)			70 kW @ 4000 rpm	65 kW @ 4000 rpm
Max. Torque (EEC)			197 N·m @ 2400 rpm	185 N·m @ 2400 rpm
Valve Timing	Intake	Open	6° BTDC	←
		Close	50° ABDC	42° ABDC
	Exhaust	Open	53° BBDC	←
		Close	3° ATDC	←
Firing Order			1 - 3 - 4 - 2	←
Fuel Cetan Number			50 or more	←
Engine Service Mass* (Reference) kg (lb)			Approx. 225 (496)	—
Oil Grade			CF-4 10W-30	←

*: Weight shows the figure with the oil and water fully filled.

► Performance Curve ◀



► Valve Timing ◀

