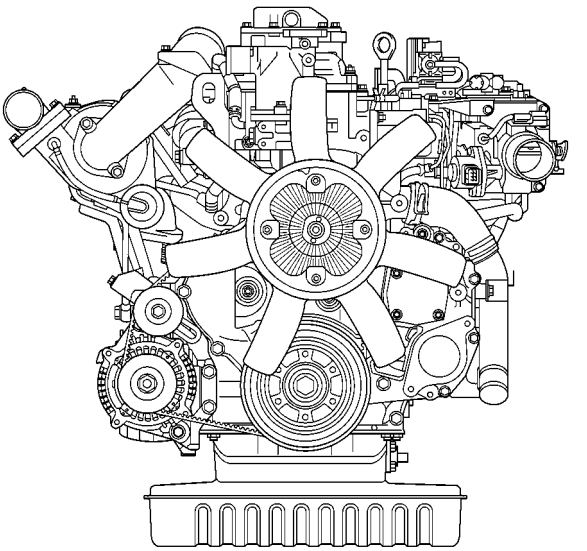
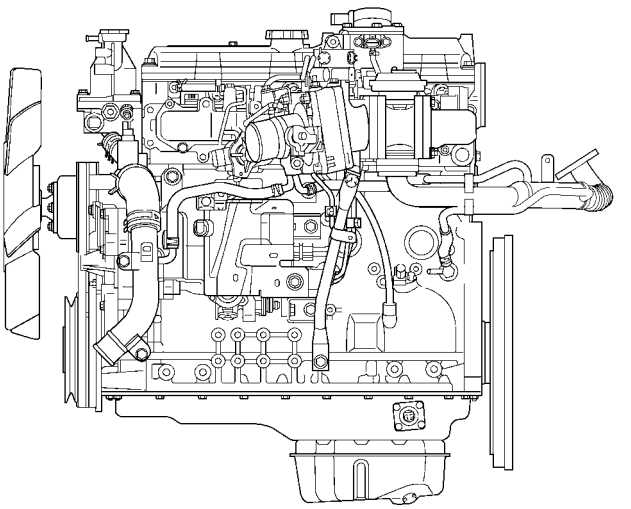
15B-FTE ENGINE

■DESCRIPTION

- The 15B-FTE is an inline 4-cylinder, 4.1-liter, 16-valve OHV engine. It has adopted injection nozzles that are positioned upright in the center, an intercooler, and a combustion chamber with an optimized shape. In addition, this engine uses an electronically controlled, high-pressure V4 injection pump and a highly efficient turbocharger to realize a higher output and better fuel economy.
- A low-emission engine has been realized by improving the combustion efficiency of the engine and adopting an electronically controlled EGR and throttle mechanism.
- The engine has been made quieter by making the engine more rigid, optimizing the allocation of insulators, optimizing the setting of the intake components, using a resonator, optimizing the allocation of the exhaust components, and optimizing the construction of the muffler.



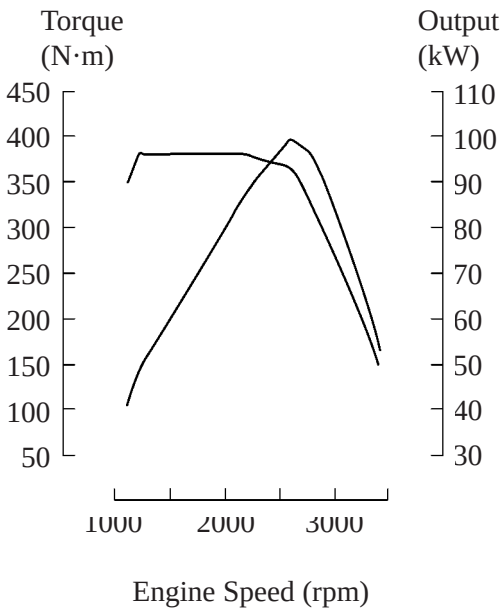


▶ Engine Specifications ◀

Engine Type			15B-FTE
No. of Cyls. & Arrangement			4-Cylinder, In-line
Valve Mechanism			4-Valve, OHV, Gear Drive
Combustion Chamber			Direct Injection
Manifolds			Cross-Flow
Fuel System			Distribution type (Electronically Controlled)
Displacement		cm^3 (cu. in.)	4104 (250.4)
Bore × Stroke		mm (in.)	108.0 × 112.0 (4.25 × 4.41)
Compression Ratio			18.4 : 1
Max. Output		(EEC)	100 kW @ 2600 rpm
Max. Torque		(EEC)	382 N·m @ 1200 ~ 2200 rpm
Valve Timing	Intake	Open	13° BTDC
		Close	41° ABDC
	Exhaust	Open	44° BBDC
		Close	7° ATDC
Firing Order			1 - 3 - 4 - 2

EG

▶ Performance Curve ◀



▶ Valve Timing ◀

