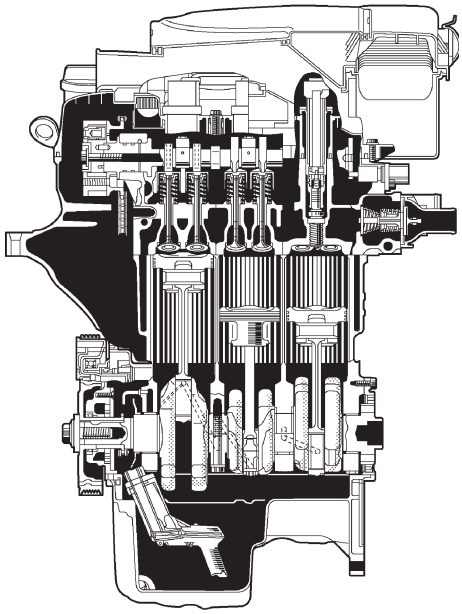
ENGINE

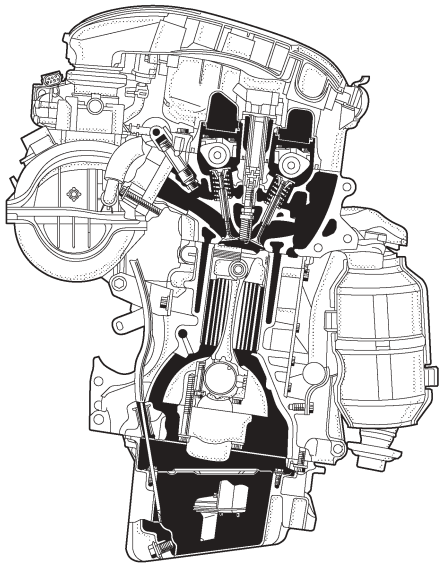
1KR-FE ENGINE

■ DESCRIPTION

- The newly developed 1KR-FE engine is a DOHC 12-valve, 1.0-liter, in-line 3-cylinder power unit.
- This engine uses the DIS (Direct Ignition System), VVT-i (Variable Valve Timing-intelligent) system and ETCS-i (Electronic Throttle Control System-intelligent). It has been developed to realize high performance, quietness, fuel economy and clean emission.



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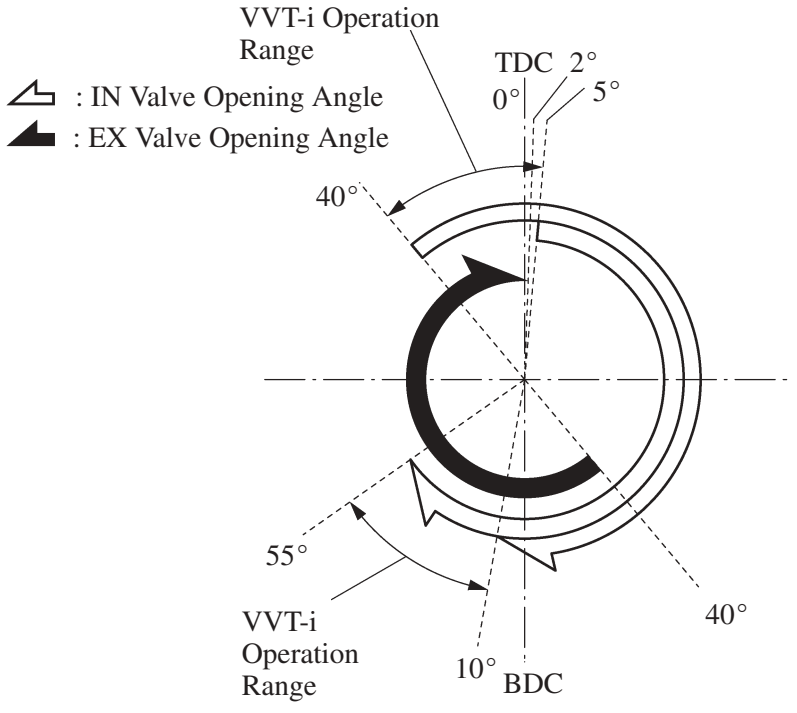
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▶ Engine Specifications ◀

No. of Cyls. & Arrangement			3-cylinder, In-line
Valve Mechanism			12-valve DOHC, Chain Drive (with VVT-i)
Combustion Chamber			Pentroof Type
Manifolds			Cross-flow
Fuel System			EFI
Ignition System			DIS
Displacement cm^3 (cu. in.)			998 (60.9)
Bore x Stroke mm (in.)			71.0 x 84.0 (2.8 x 3.3)
Compression Ratio			10.5 : 1
Max. Output [EEC]			51 kW @ 6,000 rpm
Max. Torque [EEC]			93 N·m @ 3,600 rpm
Valve Timing	Intake	Open	40° BTDC – 5° ATDC
		Close	10° ABDC – 55° ABDC
	Exhaust	Open	40° BBDC
		Close	2° ATDC
Firing Order			1-2-3
Fuel			Unleaded Gasoline
Research Octane Number			95 or higher
Oil Grade			API: SL, SM or ILSAC
Emission Regulation			EURO IV
Engine Service Mass* (Reference) kg (lb)			65 (143)

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

▶ Valve Timing ◀



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