N04C-VL ENGINE

■ GENERAL

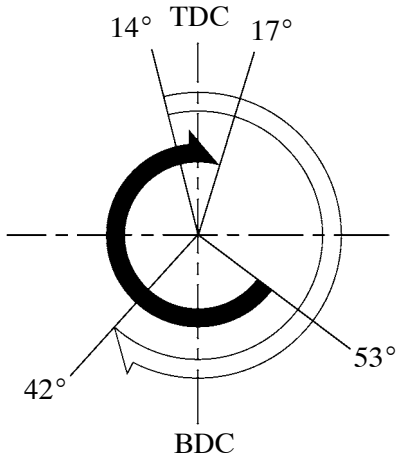
The N04C-VL engine is an in-line 4-cylinder, 4.0-liter, 16-valve OHV engine.

▶ Engine Specifications ◀

No. of Cyls. & Arrangement			4-cylinder, In-line
Valve Mechanism			16-valve, OHV, Gear Drive
Combustion Chamber			Direct Injection
Manifolds			Cross-flow
Fuel System			Common-rail Type
Displacement cm^3 (cu. in.)			4009 (244.6)
Bore × Stroke mm (in.)			104.0 × 118.0 (4.09 × 4.65)
Compression Ratio			18.0 : 1
Max. Output [EEC]			100 kW @ 3000 rpm
Max. Torque [EEC]			353 N·m @ 1600 rpm
Valve Timing	Intake	Open	14° BTDC
		Close	42° ABDC
	Exhaust	Open	53° BBDC
		Close	17° ATDC
Fuel Cetane Number			50 or higher
Firing Order			1 – 3 – 4 – 2
Emission Regulations			EURO III
Oil Grade			API (CD, CE, CF, CH-4, CI-4, CJ-4) ACEA (E-3, E-4, E-5, E-6, E-9) JASO (DH-1, DH-2)

▶ Valve Timing ◀

: Intake Valve Opening Angle
: Exhaust Valve Opening Angle



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