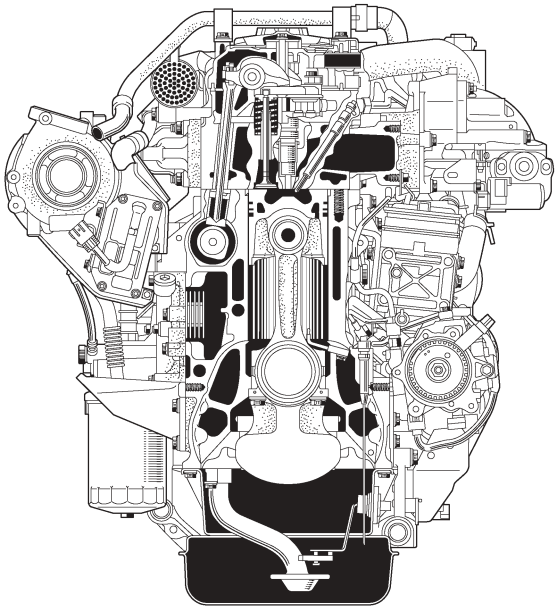
NEW FEATURES

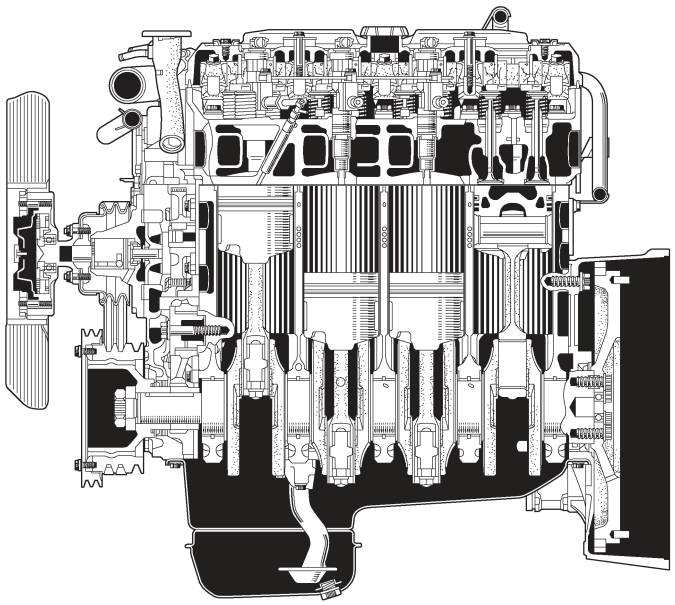
■ N04C-TQ ENGINE

1. General

- The N04C-TQ engine is a newly developed in-line 4-cylinder, 4.0-liter, 16-valve OHV engine.
- A common-rail system and a turbocharger system with intercooler are used to provide high output and good fuel economy.
- In addition, a DPR (Diesel Particulate Reduction) system is used to realize clean emissions.



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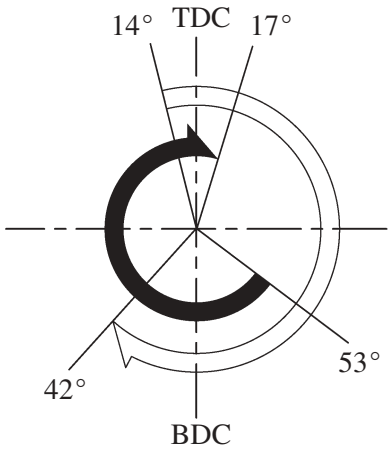
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▶ Engine Specifications ◀

Model			New Coaster	Previous Coaster
Engine Type			N04C-TQ	15B-FTE
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	Distribution Type (Electronically Controlled)
Displacement		cm^3 (cu. in)	4009 (244.6)	4104 (250.4)
Bore x Stroke		mm (in)	104.0 x 118.0 (4.09 x 4.65)	108.0 x 112.0 (4.25 x 4.41)
Compression Ratio			18.0 : 1	18.4 : 1
Max. Output		(EEC)	110 kW @ 2700 rpm	100 kW @ 2600 rpm
Max. Torque		(EEC)	397 N·m @ 1800 rpm	382 N·m @ 1200 – 2200 rpm
Valve Timing	Intake	Open	14° BTDC	13° BTDC
		Close	42° ABDC	41° ABDC
	Exhaust	Open	53° BBDC	44° BBDC
		Close	17° ATDC	7° ATDC
Oil Grade			TOYOTA GENUINE LOW ASH OIL SAE 10 W – 30	API CF-4 or CF
Fuel Cetane Number			48 or more	←
Firing Order			1 – 3 – 4 – 2	←
Emission Regulation			EURO IV	EURO III

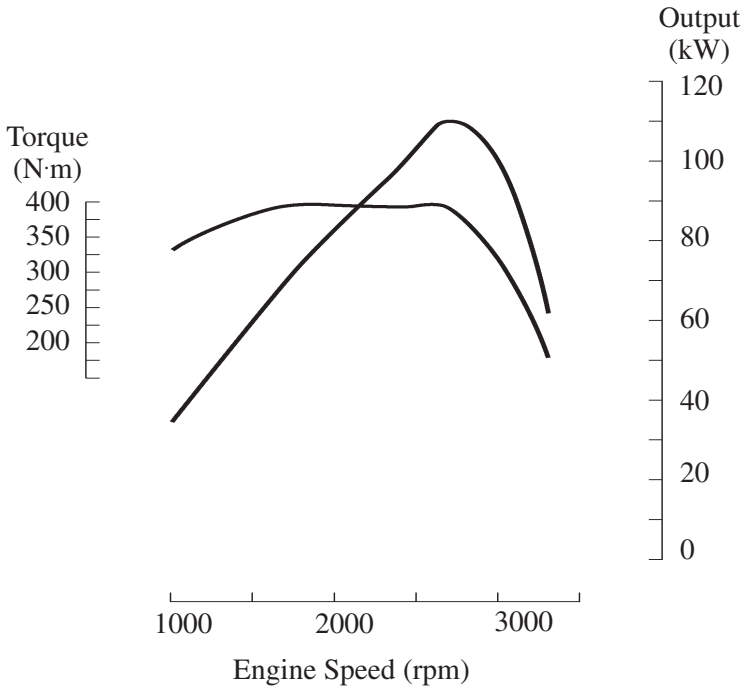
▶ Valve Timing ◀

⇦ : Intake Valve Opening Angle
⬅ : Exhaust Valve Opening Angle



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▶ Performance Curve ◀



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