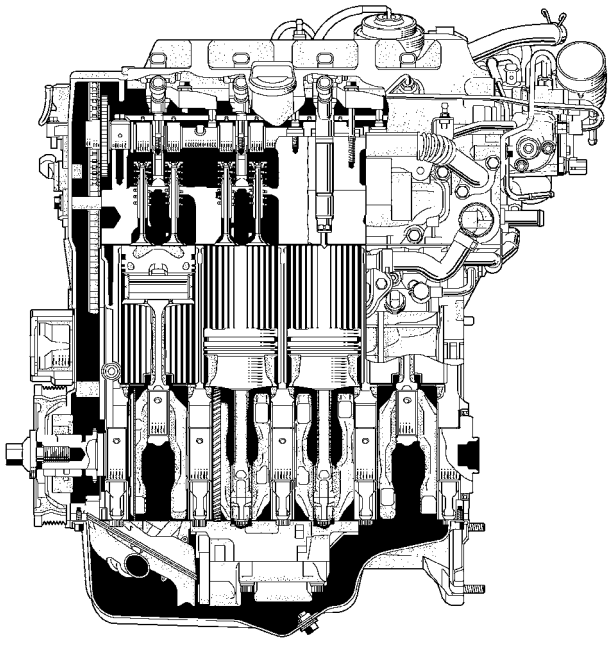
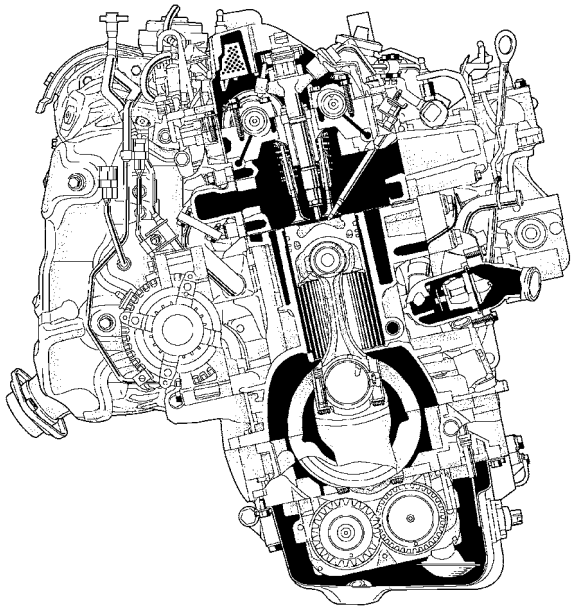
■2AD-FTV ENGINE (WITH DPF CATALYST)

1. Description

- A DPF (Diesel Particulate Filter) catalyst has been added to the 2AD-FTV engine to improve its exhaust gas cleaning performance.
- Along with the provision of the DPF catalyst, an EGR bypass switching valve, exhaust fuel addition injector, and catalyst support control have been added.



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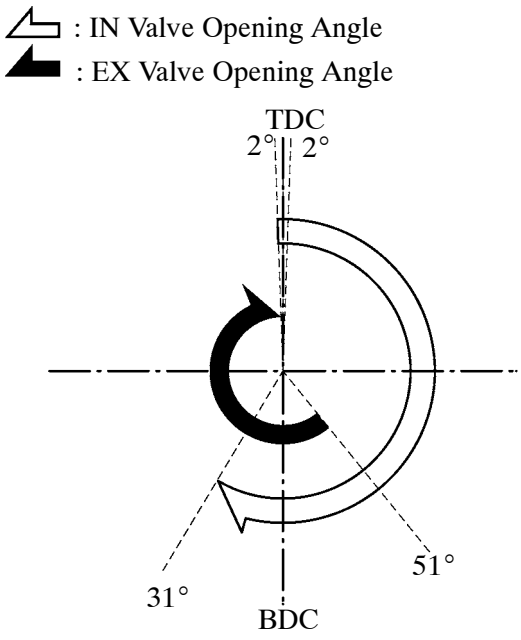
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▶ Engine Specification ◀

Model			With DPF	Without DPF
No. of Cyls. & Arrangement			4-cylinder, In-line	←
Valve Mechanism			16-valve DOHC, Chain and Gear Drive	←
Combustion Chamber			Direction Injection Type	←
Manifolds			Cross-flow	←
Fuel System			Common-rail Type	←
Displacement cm^3 (cu. in.)			2231 (136.1)	←
Bore × Stroke mm (in.)			86.0 × 96.0 (3.39 × 3.78)	←
Compression Ratio			16.8 : 1	←
Max. Output (EEC)			100 kW @ 3600 rpm	←
Max. Torque (EEC)			310 N·m @ 2000 – 2800 rpm	←
Valve Timing	Intake	Open	2° BTDC	←
		Close	31° ABDC	←
	Exhaust	Open	51° BBDC	←
		Close	2° ATDC	←
Oil Grade			ACEA C2 (Prefer), B1	ACEA B1, API CF-4 or CF
Firing Order			1 – 3 – 4 – 2	←
Fuel Cetane Number			48 or more	←
Emission Regulation			EURO IV	←
Engine Service Mass* (Reference) kg (lb)			169 (373)	165 (364)

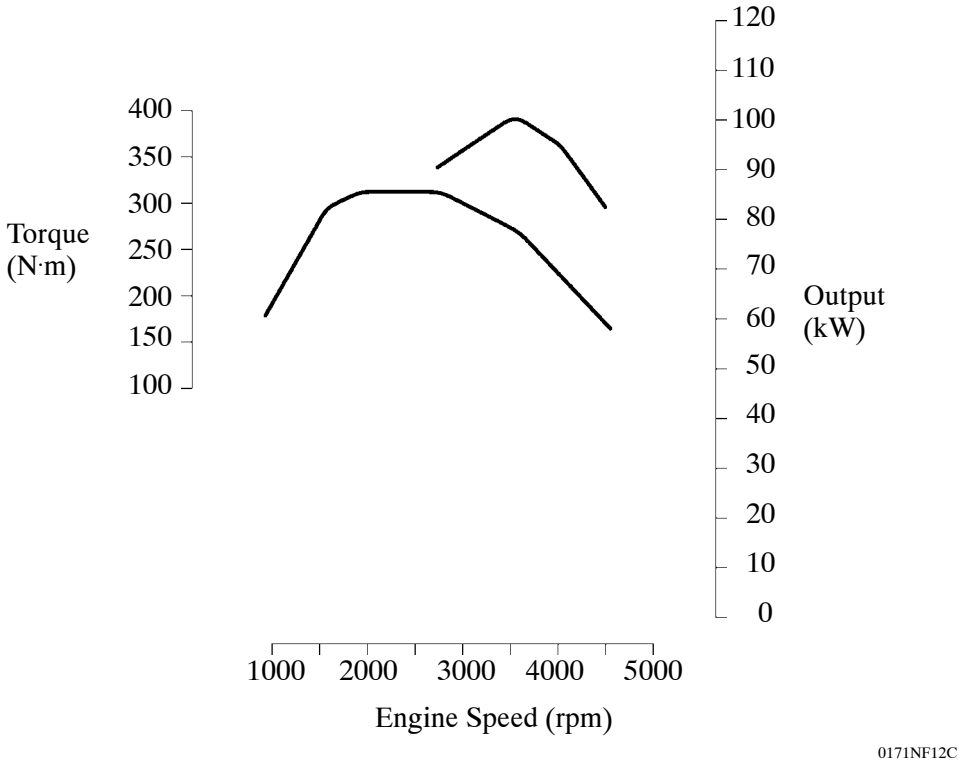
*: The engine service mass shown is without the oil and water.

▶ Valve Timing ◀



288EG03Y

▶ Performance Curve ◀



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