1MZ-FE ENGINE

■ DESCRIPTION

The 1MZ-FE engine, which is a V6, 3.0-liter, 24-valve DOHC engine, based on the 1MZ-FE engine on the previous Camry.
This engine has following features that have been newly adopted in order to realize the further improvement of the engine performance, fuel economy and to reduce exhaust emissions.

- The PS (Planetary reduction Segment conductor motor) starter has been adopted.
- Meets the European STEP III regulation requirements
- ETCS-i (Electronic Throttle Control System-intelligent) has been adopted.
- Air intake control system has been adopted.

▶ Engine Specification ◀

Model			New	Previous
No. of Cyls. & Arrangement			6-Cylinder, V Type	←
Valve Mechanism			24-Valve DOHC, Belt & Gear Drive	←
Combustion Chamber			Pentroof Type	←
Manifolds			Cross-Flow	←
Fuel System			EFI	←
Displacement cm^3 (cu. in.)			2995 (182.8)	←
Bore × Stroke mm (in.)			87.5 × 83.0 (3.44 × 3.27)	←
Compression Ratio			10.5 : 1	←
Valve Timing	Intake	Open	4° BTDC	←
		Close	44° ABDC	←
	Exhaust	Open	46° BBDC	←
		Close	2° ATDC	←
Firing Order			1-2-3-4-5-6	←
Research Octane Number			95 or higher	←
Dry Weight kg (lb)			158 (348)	155 (342)
Oil Grade			API SJ, SL, EC or ILSAC	API SH, SJ , EC or ILSAC