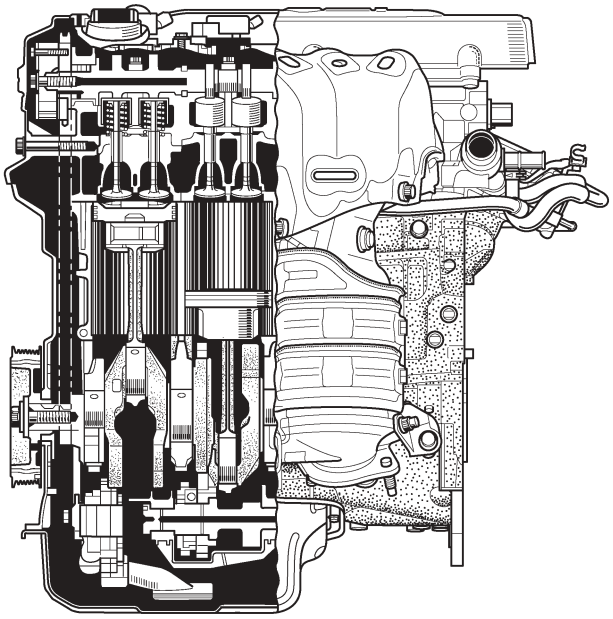
ENGINE

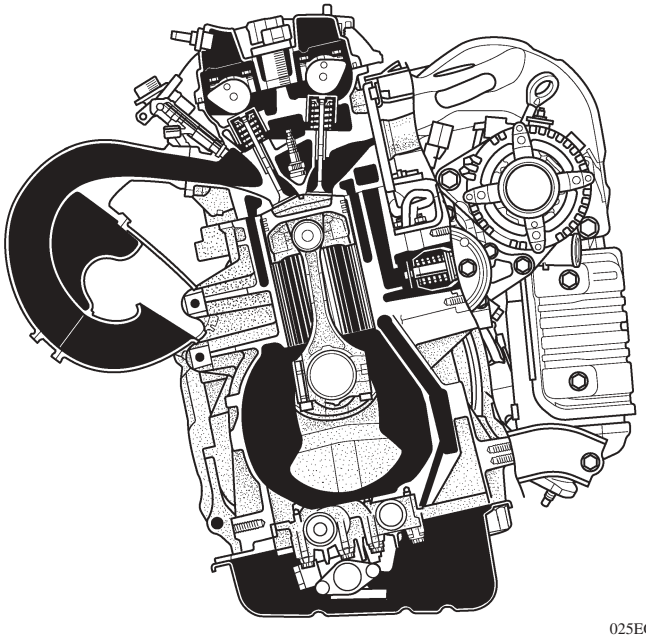
2AZ-FE ENGINE

■ DESCRIPTION

In-line 4-cylinder, 2.4-liter, 16-valve DOHC 2AZ-FE engine is used on the new Camry. This engine uses the VVT-i (Variable Valve Timing-intelligent) system, DIS (Direct Ignition System), ETCS-i (Electronic Throttle Control System-intelligent).
These control functions achieve improved engine performance, fuel economy, and reduced exhaust emissions.



025EG01TE



025EG02TE

▶ Engine Specifications ◀

No. of Cyls. & Arrangement			4-Cylinder, In-line
Valve Mechanism			16-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.)			2362 (144.2)
Bore x Stroke mm (in.)			88.5 x 96.0 (3.48 x 3.78)
Compression Ratio			9.8 : 1
Max. Output (EEC)			123 kW @ 6000 rpm
Max. Torque (EEC)			224 N·m @ 4000 rpm
Valve Timing	Intake	Open	3° ~ 43° BTDC
		Close	65° ~ 25° ABDC
	Exhaust	Open	45° BBDC
		Close	3° BTDC
Firing Order			1 – 3 – 4 – 2
Oil Grade			API grade SL "Energy-Conserving", "Energy-Conserving" SM or ILSAC
Research Octane Number			91 or higher
Emission Regulation			EURO IV
Engine Service Mass* (Reference) kg (lb)			159 (351)

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

▶ Valve Timing ◀

