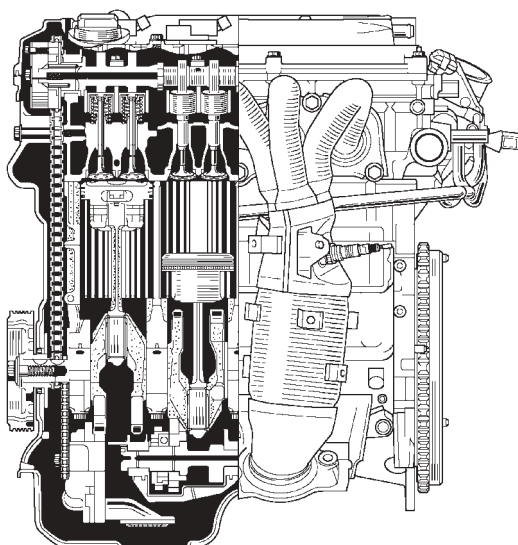


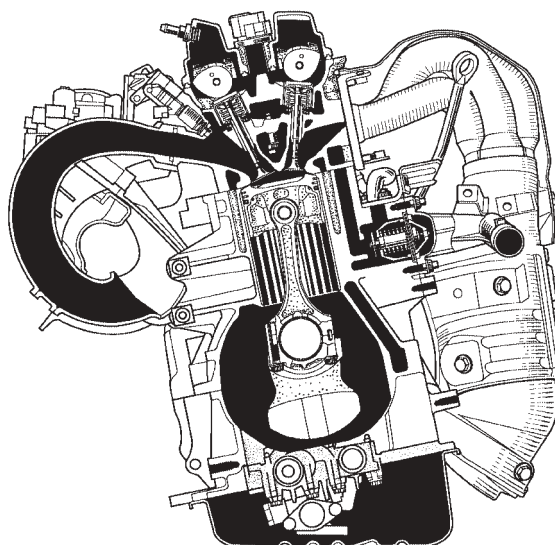
■ 2AZ-FE ENGINE

1. General

- The 1AZ-FE engine has been discontinued and the 2AZ-FE engine has been introduced on the model for Australia.
- The 2AZ-FE engine is an in-line, 4-cylinder, 2.4-liter, and 16-valve DOHC engine in which the bore and stroke have been increased from the 1AZ-FE engine.
- This engine has following features that have been adapted in order to realize the further improvement of the engine performance, fuel economy, and to reducing exhaust emissions.
 - Meets the STEP II regulation requirements.
 - ETCS-i (Electronic Throttle Control System-intelligent) has been adopted.



258AS63



258AS64

► Engine Specifications ◀

Engine Type	2AZ-FE	1AZ-FE
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	←
Displacement cm ³ (cu. in.)	2362 (144.2)	1998 (121.9)
Bore x Stroke mm (in.)	88.5 x 96.0 (3.48 x 3.78)	86.0 x 86.0 (3.39 x 3.39)
Compression Ratio	9.6 : 1	9.8 : 1
Max. Output (EEC)	115 kW @ 5700 rpm	110 kW@ 6000 rpm
Max. Torque (EEC)	221 N·m @ 4000 rpm	192 N·m @ 4000 rpm
Oil Grade	API SJ, SL, EC or ILSAC	API SJ, EC or ILSAC