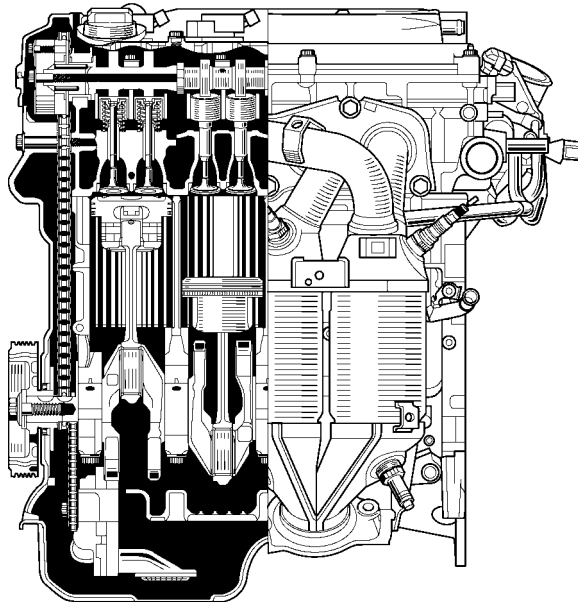


ENGINE

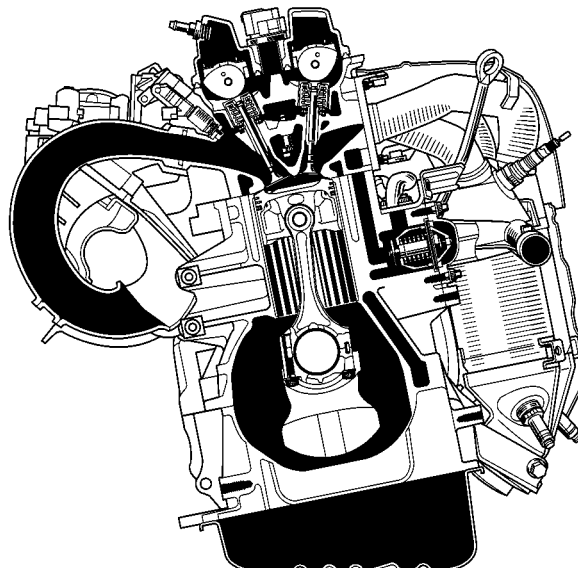
1AZ-FE ENGINE

■ DESCRIPTION

- The 1AZ-FE engine, which is an in-line, 4-cylinder, 2.0-liter, 16-valve DOHC engine, base on the 1AZ-FE engine on the current RAV4.
- This engine has adopted the VVT-i (Variable Valve Timing-intelligent) system and big bore / long port intake manifold. It has been developed to realize high performance, quietness, fuel economy and clean emissions.
- The PS (Planetary reduction-Segment conductor motor) starter has been newly adopted on the automatic transaxle model.
- This engine meets the European STEP III regulation requirements.



206EG01



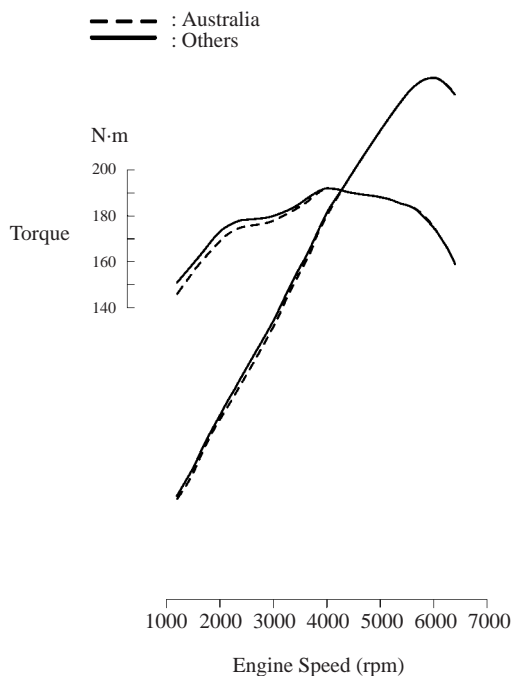
206EG02

► Engine Specification ◀

Model		Avensis Verso/Picnic	RAV4
Engine Type		1AZ-FE	←
No. of Cyls. & Arrangement		4-Cylinder, In-line	←
Valve Mechanism		16-Valve, DOHC, Chain Drive	←
Combustion Chamber		Pentroof Type	←
Manifolds		Cross-Flow	←
Fuel System		EFI	←
Displacement	(cu. in.)	1998 (121.9)	←
Bore × Stroke	mm (in.)	86.0 × 86.0 (3.39 × 3.39)	←
Compression Ratio		9.8 : 1	←
Max. Output	[EEC]	110 kW @ 6000 rpm	←
Max. Torque	[EEC]	192 N·m @ 4000 rpm	←
Research Octane Number	Australia	91 or More	←
	Other	95 or More	←
Dry Weight		Approx. 122 kg (Approx. 269 lb)	←
Oil Grade		API SJ, EC or ILSAC	←

EG

► Performance Curve ◀



► Valve Timing ◀

