NEW FEATURES

■ 1FZ-FE ENGINE

1. General

A TWC (Three Way Catalytic Converter) construction change or addition has been implemented as shown in the following table for Australia and General countries (FZJ78L-RJMRK and FZJ79L-TJMRK for China and Peru) models to comply with the European STEP-II regulations.

Destination Countries	New Model		Previous Model	
	TWC Specification	Emission Regulation	TWC Specification	Emission Regulation
Australia	0.9 ℓ + 1.3 ℓ	European STEP-II	—	—
General Countries (for China)	0.9 ℓ + 1.3 ℓ	European STEP-II	1.3 ℓ	European Step-I
General Countries (for Peru)	0.9 ℓ + 1.3 ℓ	European STEP-II	—	—
General Countries (Others)	—	—	←	

▶ Engine Specifications ◀

Model			Australia and General Countries*1	General Countries*2
No. of Cyls. & Arrangement			6-Cylinder, In-line	←
Valve Mechanism			24-Valve DOHC, Chain Drive	←
Combustion Chamber			Pentroof Type	←
Manifolds			Cross-Flow	←
Fuel System			EFI	←
Ignition System			ESA	←
Displacement	cm^3 (cu. in.)		4477 (273.1)	←
Bore x Stroke	mm (in.)		100.0 x 95.0 (3.97 x 3.74)	←
Compression Ratio			9.0 : 1	←
Max. Output	SAE-NET		155 kW @ 4600 rpm	165 kW @ 4600 rpm
Max. Torque	SAE-NET		373 N·m @ 3600 rpm	387 N·m @ 3600 rpm
Valve Timing	Intake	Open	5° BTDC	←
		Close	40° ABDC	←
	Exhaust	Open	40° BBDC	←
		Close	5° ATDC	←
Firing Order			1-5-3-6-2-4	←
Research Octane Number			91 or more	←
Emission Regulation			European STEP II	—
Oil Grade			API SL-EC or ILSAC	←
Engine Service Mass	kg (lb)		257 (566.6)	←

*1: FZJ78L-RJMRK,FZJ79L-TJMRK for China and Peru

*2: Others