

■ 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 G.C.C.countries (for Saudi Arabia, FZJ100L-GNMNKV for China and Peru and FZJ100L-GNPNKV for China) models to comply with the European STEP-II or STEP-I regulations.

Destination Countries		New Model		Previous Model	
		TWC Specification	Emission Regulation	TWC Specification	Emission Regulation
G.C.C. Countries (for Saudi Arabia)	M/T	1.3 ℓ	European Step-I	←	
	A/T	0.9 ℓ + 1.3 ℓ	European STEP-I	—	—
G.C.C. Countries (Others)	M/T	—	—	←	
	A/T	—	—	←	
FZJ100L-GNMNKV (for China and Peru)	M/T	0.9 ℓ + 1.3 ℓ	European STEP-II	1.3 ℓ* ¹	European Step-I* ¹
				—* ²	—* ²
FZJ100L-GNPNKV (for China)	A/T	0.9 ℓ + 1.3 ℓ	European STEP-II	—	—

*1: for China

*2: for Peru

► Engine Specifications ◀

Model		G.C.C. Countries (Saudi Arabia, China and Peru)	G.C.C. Countries (Others)
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* ¹	—
	SAE-GROSS	179 kW @ 4600 rpm* ²	←
Max. Torque	SAE-NET	373 N·m @ 3600 rpm* ¹	—
	SAE-GROSS	407 N·m @ 3600 rpm* ²	←
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 I* ² European STEP II* ¹	—
Oil Grade		API SL-EC or ILSAC	←
Engine Service Mass kg (lb.)		M/T : 257 (566.6) A/T : 243 (535.7)	←

*¹: China and Peru*²: Saudi Arabia