

■ TORQUE CONVERTER AND PLANETARY GEAR UNIT

- For the torque converter, a super-flow torque converter that is compact and achieves high performance and efficiency has been adopted in order to realize powerful startoff performance and unconstrained acceleration performance.

This torque converter has realized a high level of power transmission efficiency by optimizing the shape of the vanes. In addition, fuel economy has been achieved through the adoption of the lock-up mechanism.

- The front planetary gears use 5 pinion gears to accommodate the high-performance 1GZ-FE engine.

► Specifications ◀

		Engine Type		1GZ-FE	
		Item			
Torque Converter	Converter Type		3-Element, 1-Step, 2-Phase, with Lock-Up Mechanism		
	Stall Torque Ratio		1.830		
Planetary Gear Unit	C ₁	Forward Clutch	The No. of Discs	6	
	C ₂	Direct Clutch		5	
	C ₀	OD Direct Clutch		2	
	B ₁	2nd Coast Brake	Band Width	mm (in.)	40 (1.57)
	B ₂	2nd Brake	The No. of Discs	5	
	B ₃	1st & Reverse Brake		6	
	B ₀	OD Brake		5	
	F ₁	No.1 One-Way Clutch	The No. of Sprags	22	
	F ₂	No.2 One-Way Clutch		28	
	F ₀	OD One-Way Clutch		24	
	Front Planetary Gear		The No. of Sun Gear Teeth		42
			The No. of Pinion Gear Teeth		19
			The No. of Ring Gear Teeth		79
	Rear Planetary Gear		The No. of Sun Gear Teeth		42
			The No. of Pinion Gear Teeth		19
The No. of Ring Gear Teeth			79		
OD Planetary Gear		The No. of Sun Gear Teeth		31	
		The No. of Pinion Gear Teeth		32	
		The No. of Ring Gear Teeth		95	