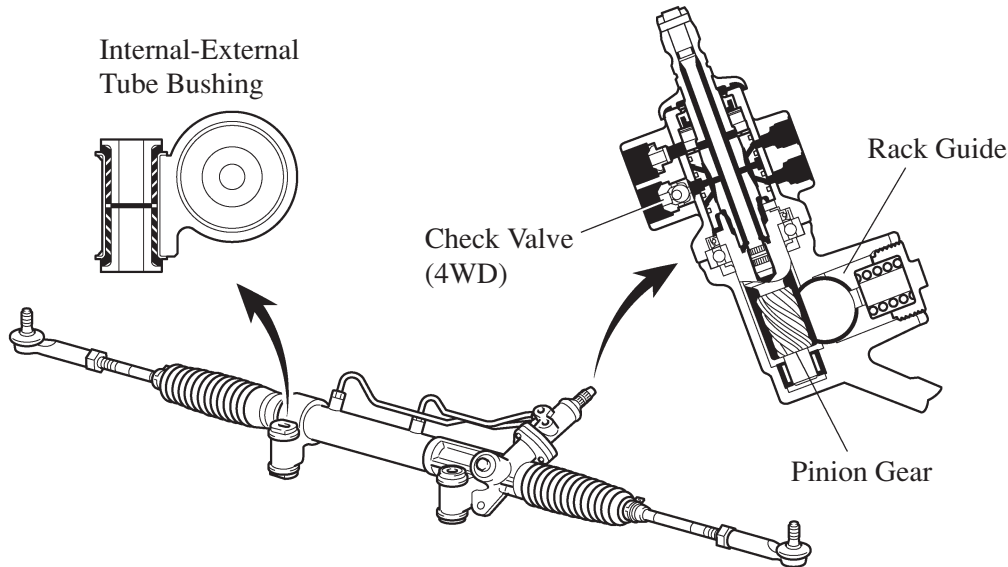


■ STEERING GEAR

- A low friction rack guide is used in order to achieve a steering operation feeling at the center position.
- Internal-external tube bushings are used to mount the steering gear on the vehicle. Accordingly, the rigidity in the left and right directions has been optimized and the vertical rigidity and the rigidity in the forward and rearward directions have been enhanced to optimize compliance steer and eliminate vibration from the ground.
- On the 4WD model, a check valve is provided at the high pressure port in order to reduce the extent of shocks that are applied from the road surface.



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■ VANE PUMP

- A compact and lightweight vane pump, which uses diecast aluminum as the material for its housing, has been adopted.
- The vane pump of the 1KD-FTV, 2KD-FTV, and 2KD-FTV High Version engine models has adopted a gear drive type. The vane pump of the 1TR-FE, 2TR-FE, and 1GR-FE engine models has adopted a belt drive type.
- The 1TR-FE and 2TR-FE engine models have adopted a type of vane pump with a built-in reservoir tank.

► Specifications ◀

Engine Type		● 1TR-FE ● 2TR-FE	1GR-FE	● 1KD-FTV ● 2KD-FTV ● 2KD-FTV High Version
Pump Speed	rpm	800 – 7,300	600 – 7,000	860 – 6,800
Theoretical Discharge Volume (at 1,000rpm)	l/min.	9.6* ¹ 8* ²	9.6	8
Relief Set Pressure	MPa	8.3* ¹ 8.8* ²	←	8.8
Controlled Discharge Volume	l/min.	7.5 – 6* ¹ 6.5 – 5* ²	←	←
Drive Type		V-ribbed Belt	←	Gear

*1: 4WD model

*2: 2WD model