POWER STEERING

0315R–01

SERVICE DATA

POWER STEERING FLUID		
Fluid level rise	Maximum:	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed		8,336 kPa (85 kgf/cm^2, 1,209 psi)
STEERING WHEEL		
Steering effort at idle speed	(Reference)	5.5 N·m (56 kgf·cm, 49 in.·lbf)
POWER STEERING VANE PUMP		
Vane pump rotating torque		0.27 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less
Vane pump shaft and vane pump housing oil clearance	STD: Maximum:	0.03 – 0.05 mm (0.0012 – 0.0020 in.) 0.07 mm (0.0028 in.)
Vane plate height (Minimum)	3RZ–FE, 5L–E engine models: 1KD–FTV/1KD–TE engine models:	8.6 mm (0.33858 in.) 7.6 mm (0.29921 in.)
Vane plate thickness (Minimum)	3RZ–FE, 5L–E engine models: 1KD–FTV/1KD–TE engine models:	1.397 mm (0.05500 in.) 1.405 mm (0.05531 in.)
Vane plate length (Minimum)	3RZ–FE, 5L–E engine models: 1KD–FTV/1KD–TE engine models:	14.991 mm (0.59020 in.) 11.993 mm (0.47216 in.)
Clearance between the rotor groove and plate (Minimum)	3RZ–FE, 5L–E engine models: 1KD–FTV/1KD–TE engine models:	0.033 mm (0.00130 in.) 0.025 mm (0.00098 in.)
Spring free length (Minimum)	3RZ–FE, 5L–E engine models: 1KD–FTV/1KD–TE engine models:	32.1 mm (1.264 in.) 29.2 mm (1.150 in.)
POWER STEERING GEAR		
Total preload (Tie rod rotating torque)	(Turning)	0.29 – 1.96 N·m (2.9 – 20.0 kgf·cm, 2.57 – 17.35 in.·lbf)
Total preload (Control valve rotating torque)	(Turning)	1.7 – 1.5 N·m (7.1 – 15.1 kgf·cm, 6.2 – 13.3 in.·lbf)