

POWER STEERING

SERVICE DATA

031RT-01

POWER STEERING SYSTEM		
Fluid level rise	Maximum	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed		8,336 to 8,826 kPa (85 to 90 kgf/cm ² , 1,209 to 1,280 psi)
STEERING WHEEL		
Steering wheel freeplay	(Reference)	30 mm (1.18 in.)
Steering effort at idle speed	Maximum	6.9 N·m (70 kgf·cm, 61 in.·lbf)
VANE PUMP ASSY		
Vane pump rotating torque		0.27 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less
Oil clearance between vane pump shaft and bushing	Standard Maximum	0.016 to 0.040 mm (0.0006 to 0.0016 in.) 0.07 mm (0.0028 in.)
Vane plate thickness	Minimum	1.405 mm (0.0553 in.)
Clearance between the rotor groove and plate	Maximum	0.03 mm (0.0012 in.)
Spring free length	Minimum	30.3 mm (1.193 in.)
POWER STEERING GEAR ASSY		
Steering rack runout	Maximum	0.3 mm (0.0118 in.)
Tie rod assy stad bolt torque	(Turning)	0.49 to 3.43 N·m (5.0 to 35.0 kgf·cm, 4.3 to 30.4 in.·lbf)
Total preload (Control valve rotating torque)	(Turning)	0.8 to 1.6 N·m (8 to 16 kgf·cm, 7 to 14 in.·lbf)