

# STEERING

## SERVICE DATA

SS0CO-04

POWER STEERING FLUID		
Fluid level rise	Maximum	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed	Minimum	8,336 kPa (85 kgf/cm <sup>2</sup> , 1,209 psi)
STEERING WHEEL		
Steering wheel freeplay	Maximum	30 mm (1.18 in.)
Steering effort at idle speed	Maximum	6.9 N·m (70 kgf·cm, 61 in.-lbf)
POWER STEERING VANE PUMP		
Vane pump rotating torque	Maximum	0.25 N·m (2.5 kgf·cm, 2.2 in.-lbf)
Oil clearance between pump shaft and bushing	STD	0.030 – 0.045 mm (0.0012 – 0.0018 in.)
Oil clearance between pump shaft and bushing	Maximum	0.07 mm (0.0028 in.)
Vane plate height	Minimum	8.0 mm (0.315 in.)
Vane plate thickness	Minimum	1.77 mm (0.0697 in.)
Vane plate length	Minimum	14.97 mm (0.5894 in.)
Clearance between the rotor groove and plate	Maximum	0.030 mm (0.0012 in.)
Vane plate length	Pump rotor and cam ring mark	
	None	14.996 – 14.998 mm (0.59039 – 0.59047 in.)
	1	14.994 – 14.996 mm (0.59032 – 0.59039 in.)
	2	14.992 – 14.994 mm (0.59024 – 0.59032 in.)
	3	14.990 – 14.992 mm (0.59016 – 0.59024 in.)
	4	14.988 – 14.990 mm (0.59008 – 0.59016 in.)
Spring free length	Minimum	36.0 mm (1.417 in.)
POWER STEERING GEAR		
Steering rack runout	Maximum	0.30 mm (0.0118 in.)
Total preload (Control valve rotating torque)	Turning	0.9 – 1.2 N·m (9 – 12 kgf·cm, 7.8 – 10.4 in.-lbf)