

STEERING

SERVICE DATA

SSCO-11

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 ² , 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	0.27 N·m (2.8 kgf·cm, 2.4 in.·lbf)
Oil clearance between pump shaft and bushing	STD	0.016 – 0.040 mm (0.0006 – 0.0016 in.)
Oil clearance between pump shaft and bushing	Maximum	0.07 mm (0.0028 in.)
Vane plate height	Minimum	7.6 mm (0.299 in.)
Vane plate thickness	Minimum	1.405 mm (0.0553 in.)
Vane plate length	Minimum	11.993 mm (0.4722 in.)
Clearance between the rotor groove and plate	Maximum	0.030 mm (0.0012 in.)
Vane plate length	Pump rotor and cam ring mark	
	0	12.001 – 12.003 mm (0.47248 – 0.47256 in.)
	1	11.999 – 12.001 mm (0.47240 – 0.47248 in.)
	2	11.997 – 11.999 mm (0.47232 – 0.47240 in.)
	3	11.995 – 11.997 mm (0.47224 – 0.47232 in.)
	4	11.993 – 11.995 mm (0.47216 – 0.47224 in.)
Spring free length	Minimum	36.9 mm (1.453 in.)
POWER STEERING GEAR		
Steering rack runout	Maximum	0.30 mm (0.0118 in.)
Total preload (Control valve rotating torque)	Turning	0.8 – 1.6 N·m (8 – 16 kgf·cm, 7.0 – 13.9 in.·lbf)