

STEERING

SERVICE DATA

SS0MY-17

POWER STEERING FLUID (2JZ-GE)		
Fluid level rise	Maximum	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed	Minimum	6,900 kPa (70 kgf/cm ² , 996 psi)
STEERING WHEEL		
Steering wheel freeplay	Maximum	30 mm (1.18 in.)
Steering effort at idle speed		4.2 – 5.4 N·m (43 – 55 kgf·cm, 37 – 48 in.lbf)
POWER STEERING VANE PUMP (2JZ-GE)		
Vane pump rotating torque		0.2 N·m (2.5 kgf·cm, 2.2 in.lbf) or less
Vane pump shaft and front housing bushing oil clearance	STD Maximum	0.03 – 0.05 mm (0.0012 – 0.0020 in.) 0.07 mm (0.0028 in.)
Vane plate height	Minimum	8.6 mm (0.339 in.)
Vane plate thickness	Minimum	1.40 mm (0.0551 in.)
Vane plate length	Minimum	14.99 mm (0.5902 in.)
Vane plate and vane pump rotor groove clearance	Maximum	0.033 mm (0.0013 in.)
Vane plate length	Pump rotor and cam ring mark	
	None	14.999 – 15.001 mm (0.59051 – 0.59059 in.)
	1	14.997 – 14.999 mm (0.59043 – 0.59051 in.)
	2	14.995 – 14.997 mm (0.59035 – 0.59043 in.)
	3	14.993 – 14.995 mm (0.59027 – 0.59035 in.)
	4	14.991 – 14.993 mm (0.59020 – 0.59027 in.)
Spring free length	Minimum	33.2 mm (1.307 in.)
POWER STEERING GEAR (2JZ-GE)		
Steering rack runout	Maximum	0.15 mm (0.0059 in.)
Total preload	Turning	1.2 – 1.7 N·m (12.2 – 17.3 kgf·cm, 10.6 – 15.0 in.lbf)