

STEERING

SERVICE DATA

SS1FE-01

ON-VEHICLE INSPECTION		
Steering wheel freeplay	Maximum	40 mm (1.57 in.)
Fluid level rise	Minimum	Below 5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed	Minimum	9,316 kPa (95 kgf/cm ² , 1,351 psi)
Steering effort at idle speed	Minimum	8.3 N·m (85 kgf·cm, 73 in.·lbf)
TILT STEERING COLUMN		
Pawl stopper alignment mark	1 or A 2 or B 3 or C 4 or D 5 or E	12.65 – 12.75 mm (0.4980 – 0.5020 in.) 12.55 – 12.65 mm (0.4941 – 0.4980 in.) 12.45 – 12.55 mm (0.4902 – 0.4941 in.) 12.35 – 12.45 mm (0.4962 – 0.4902 in.) 12.25 – 12.35 mm (0.4823 – 0.4862 in.)
PS VANE PUMP		
Oil clearance between pump shaft and bushing	STD	0.03 – 0.05 mm (0.0012 – 0.0020 in.)
	Maximum	0.07 mm (0.0028 in.)
Vane plate height	Minimum	8.6 mm (0.339 in.)
Vane plate thickness	Minimum	1.397 mm (0.0550 in.)
Vane plate length	Minimum	14.991 mm (0.5902 in.)
Vane plate and pump rotor groove clearance	Maximum	0.033 mm (0.0013 in.)
Vane plate length	Pump rotor mark: None 1 2 Cam ring mark: 2 3 4	14.995 – 14.997 mm (0.59035 – 0.59043 in.) 14.993 – 14.995 mm (0.59027 – 0.59035 in.) 14.991 – 14.993 mm (0.59020 – 0.59027 in.) 14.995 – 14.997 mm (0.59035 – 0.59043 in.) 14.993 – 14.995 mm (0.59027 – 0.59035 in.) 14.991 – 14.993 mm (0.59020 – 0.59027 in.)
Spring free length	Standard	35 – 37 mm (1.38 – 1.46 in.)
Vane pump rotating torque	Minimum	0.3 N·m (2.8 kgf·cm, 2.4 in.·lbf)
PS GEAR		
Worm gear valve body ball clearance	Minimum	0.15 mm (0.059 in.)
Cross shaft adjusting screw thrust clearance	Standard	0.03 – 0.05 mm (0.0012 – 0.0020 in.)
Worm gear preload		0.3 – 0.5 N·m (3 – 5.5 kgf·cm, 2.6 – 9.6 in.·lbf)
Total preload		0.74 – 1.08 N·m (7.5 – 11.0 kgf·cm, 6.5 – 9.6 in.·lbf)
STEERING LINKAGE		
Tie rod length	Approximately	1.233 mm (48.54 in.)
Relay rod length	Approximately	1.090 mm (42.91 in.)