POWER STEERING

SERVICE DATA

030G6–01

POWER STEERING FLUID		
Fluid level rise	Maximum	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed		7,800 – 8,300 kPa (80 – 85 kgf/cm^2, 1,138 – 1,209 psi)
STEERING WHEEL		
Steering effort at idle speed	(Reference)	6 N·m (60 kgf·cm, 53 in.·lbf)
VANE PUMP ASSY (2AZ–FE)		
Vane pump rotating torque		0.27 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less
W/pully shaft sub–assy and vane pump housing front oil clearance	STD Maximum	0.009 – 0.031 mm (0.00035 – 0.00122 in.) 0.07 mm (0.0028 in.)
Vane pump plate height	Minimum	7.7 mm (0.303 in.)
Vane pump plate thickness	Minimum	1.408 mm (0.05543 in.)
Vane pump plate length	Minimum	11.993 mm (0.47216 in.)
Vane pump plate and vane pump rotor groove clearance	Maximum	0.03 mm (0.0012 in.)
Flow control valve compression spring free length	Minimum	35.8 mm (1.409 in.)
VANE PUMP ASSY (1MZ–FE)		
Vane pump rotating torque		0.27 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less
Vane pump shaft and vane pump housing front oil clearance	STD Maximum	0.027 – 0.054 mm (0.00106 – 0.00212 in.) 0.07 mm (0.0028 in.)
Vane pump plate height	Minimum	8.7 mm (0.343 in.)
Vane pump plate thickness	Minimum	1.4 mm (0.055 in.)
Vane pump plate length	Minimum	14.991 mm (0.59020 in.)
Vane pump plate and vane pump rotor groove clearance	Maximum	0.03 mm (0.0012 in.)
Flow control valve compression spring free length	Minimum	32.24 mm (1.2692 in.)
RACK & PINION POWER STEERING GEAR ASSY		
Power steering rack runout	Maximum	0.3 mm (0.012 in.)
Total preload (Tie rod assy rotating torque)	(Turning)	0.83 – 3.43 N·m (8.5 – 35.0 kgf·cm, 7.3 – 30.4 in.·lbf)
Total preload (Control valve rotating torque)	(Turning)	1.2 – 1.5 N·m (12.2 – 15.3 kgf·cm, 10.6 – 13.3 in.·lbf)