

SERVICE SPECIFICATIONS

SERVICE DATA

ON-VEHICLE INSPECTION			
Steering wheel freeplay	Maximum		40 mm (1.57 in.)
Fluid level rise	Maximum		Below 5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed	Minimum		9,316 kPa (95 kgf/cm, 1,351 psi)
Steering effort at idle speed	Maximum		8.3 N·m (85 kgf·cm, 73 in.·lbf)
TILT STEERING COLUMN			
Pawl stopper alignment mark			
	1 or A		12.65–12.75 mm (0.4980–0.5020 in.)
	2 or B		12.55–12.65 mm (0.4941–0.4980 in.)
	3 or C		12.45–12.55 mm (0.4902–0.4941 in.)
	4 or D		12.35–12.45 mm (0.4862–0.4902 in.)
	5 or E		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.)
Oil clearance between pump shaft and bushing	Maximum		0.07 mm (0.0028 in.)
Vane plate height	Minimum		8.6 mm (0.339 in.)
Vane plate thickness	Minimum		1.397 mm (0.05500 in.)
Vane plate length	Minimum		14.991 mm (0.59016 in.)
Clearance between rotor groove and vane plate	Minimum		0.033 mm (0.00130 in.)
Vent length mark:	:Pump rotor mark:	:Cam ring	
	NONE	2	14.995–14.997 mm (0.59035–0.59043 in.)
	1	3	14.993–14.995 mm (0.59027–0.59035 in.)
	2	4	14.991–14.993 mm (0.59020–0.59027 in.)
Spring free length			35–37 mm (1.38–1.46 in.)
Vane pump rotating torque	Maximum		0.3 N·m (2.8 kgf·cm, 2.4 in.·lbf)
PS GEAR			
Worm gear valve body ball clearance			0.15 mm (0.059 in.)
Cross shaft adjusting screw thrust clearance			0.03–0.05 mm (0.0012–0.0020 in.)
Worm gear preload			0.3–0.5 N·m (3–5.5 kgf·cm, 2.6–4.8 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		1.207 mm (47.51 in.)
Relay rod length	approximately		1.085 mm (42.72 in.)

TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
TILT STEERING COLUMN			
Steering wheel set nut	34	350	25
Steering wheel pad set screw (Torx screw)	9.0	90	78 in.·lbf
Steering column assembly set nut and bolt	25	250	18
Sliding yoke sub-assembly X Worm gear valve body shaft	34	350	25
Sliding yoke sub-assembly X Intermediate No.2 shaft	34	350	25
Universal joint X Intermediate No.2 shaft	34	350	25
Main shaft assembly X Universal joint	34	350	25
Turn signal bracket set bolt	4.9	50	43in.·lbf
Tilt sub lever side pawl set bolt X nut	5.9	60	52 in.·lbf
Tilt lever retainer set nut	15	150	11
Tilt lever assembly set bolt	2.9	30	26 in.·lbf
Compression spring set bolt	7.8	80	69 in.·lbf
Column hole cover X Lower dust seal	5.9	60	52 in.·lbf
Column hole cover X Body	13	130	9
Link joint protector set bolt	12	120	9
Wiring harness clamp set bolt	19	195	14
PS VANE PUMP			
Pressure feed tube set union bolt	56	575	42
PS vane pump assembly set nut	36	370	27
Suction port union set bolt	13	130	9
Vane pump drive gear set nut	74	750	54
Pressure port union	69	700	51
PS GEAR			
Pressure tube X Gear housing assembly	36(44)	366(450)	26(33)
Return tube X Gear housing assembly	36(44)	366(450)	26(33)
Gear housing assembly X Body	142	1,450	105
Pitman arm X Cross shaft	177	1,800	130
Cross shaft adjusting screw set nut	46	470	34
Side cover X Gear housing	61	620	45
Plunger guide nut	20	205	15
Worm gear valve body assembly X Gear housing	61	620	45
Control valve shaft X Sliding yoke sub-assembly	34	350	25
STEERING LINKAGE			
Pitman arm X Cross shaft	177	1,800	130
Pitman arm X Relay rod	91	925	67
Tie rod clamp bolt	37	375	27
Tie rod X Knuckle arm	91	925	67
Relay rod X Steering damper	74	750	54
Steering damper X Steering damper bracket	74	750	54
Steering damper bracket X Body	74	750	54
Relay rod clamp bolt	37	375	27

(): For use without SST