

STEERING

Specifications

Steering column	Steering wheel freeplay		Maximum	40 mm	1.58 in.
	Pawl stopper		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.
Power steering	Maximum rise of oil level			5 mm	0.20 in.
	Oil pressure at idle speed	Minimum		9,316 kPa	95 kgf/cm ² 1,351 psi
	Steering effort	Reference		5.9 N·m	60 kgf·cm 52 in.·lbf
	Rotor shaft bushing oil clearance	STD		0.03 - 0.05 mm	0.0012 - 0.0020 in.
		Maximum		0.07 mm	0.0028 in.
	Vane plate to rotor groove clearance				
		Maximum		0.033 mm	0.00130 in.
	Vane plate	Minimum height		8.6 mm	0.339 in.
		Minimum thickness		1.397 mm	0.055 in.
		Minimum length		14.991 mm	0.590 in.
	Vane length				
		Rotor mark	Cam ring mark		
		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.
	Pump rotating torque			0.3 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less	
	Steering rack runout	Maximum		0.15 mm	0.0059 in.
	Cross shaft adjusting screw thrust clearance			0.03 - 0.05 mm	0.0012 - 0.0020 in.
	Worm gear preload	at Starting		0.3 - 0.5 N·m	3 - 5.5 kgf·cm 2.6 - 4.8 in.·lbf
	Total preload	at Starting		0.7 - 1.1 N·m	7.5 - 11 kgf·cm 6.5 - 9.5 in.·lbf

Torque Specifications

Steering column	Part tightened	N·m	kgf·cm	ft·lbf
Steering column	Steering wheel set nut	34	350	25
	Column tube x Body	25	250	18
	Breakaway bracket x Body	25	260	19
	Column hole cover x Body	13	130	9
	Main shaft x Intermediate shaft	34	350	25
	Intermediate shaft x Worm shaft	34	350	25
	Turn signal bracket x Upper column tube	4.9	50	43 in·lbf
	Tilt pawl set nut	5.9	60	52 in·lbf
	Compression spring set bolt	7.8	80	69 in·lbf
	Tilt lever retainer set nut	15	150	11
	Dust seal x Column hole cover	5.9	60	52 in·lbf
	Clamp x Column tube	19	195	14
Power steering (PS pump)	Pressure tube x PS pump	56	575	42
	PS pump 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
Power steering (Gear housing)	Pressure and return tube	44	450	33
	Universal joint	34	350	25
	Gear housing x Body	142	1,450	105
	Gear housing x Pitman arm	177	1,800	130
	Cross shaft adjusting screw set nut	46	470	34
	Cross shaft end cover lock bolt	61	620	45
	Plunger guide nut	20	205	15
	Worm gear valve body set bolt	61	620	45
Steering linkage	Pitman arm x Relay rod	91	925	67
	Relay rod x Steering damper	74	750	54
	Steering damper x Damper hinge	74	750	54
	Damper hinge x Body	39	400	29
	Relay rod x Knuckle arm	91	925	67
	Tie rod x Knuckle arm	91	925	67
	Tie or relay rod clamp	37	375	27