

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	Drive belt tension	New belt	441 – 667 N	45 – 68 kgf	100 – 150 lbf
		Used belt	265 – 441 N	27 – 45 kgf	60 – 100 lbf
	Maximum rise of oil level		5 mm	0.20 in.	
	Oil pressure at idle speed	Minimum	7,845 kPa	80 kgf/cm ²	1,138 psi
	Steering effort	Maximum	39 N	4 kgf	8.8 lbf
	Rotor shaft bushing oil clearance	STD	0.01 – 0.03 mm	0.0004 – 0.0012 in.	
		Maximum	0.07 mm	0.0028 in.	
	Vane plate to rotor groove clearance				
		Maximum	0.028 mm	0.0011 in.	
	Vane plate	Minimum height	8.1 mm	0.319 in.	
		Minimum thickness	1.797 mm	0.0707 in.	
		Minimum length	14.988 mm	0.5901 in.	
	Vane plate length				
		Rotor and cam ring mark			
		None	14.996 – 14.998 mm	0.59039 – 0.59047 in.	
		1	14.994 – 14.996 mm	0.59032 – 0.59039 in.	
		2	14.992 – 14.994 mm	0.59024 – 0.59032 in.	
		3	14.990 – 14.992 mm	0.59016 – 0.59024 in.	
		4	14.988 – 14.990 mm	0.59008 – 0.59016 in.	
	Flow control valve spring 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	36	370	27
	PS pump x Bracket	44	450	33
	PS pump x Adjusting stay	39	400	29
	Adjusting stay x Bracket	39	400	29
	Pulley set nut	43	440	32
	Reservoir set bolt	13	130	9
	12 mm bolt	41	420	30
	14 mm bolt	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