

SERVICE SPECIFICATIONS

BR01C-OK

SERVICE DATA

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 6	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 ON -VEHICLE INSPECTION		
Fluid level rise		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 (Maximum)		39 N (4.4 kgf, 8.8 lbf)
PS PUMP		
Rotor shaft bushing oil clearance (STD)		0.01– 0.03 mm (0.0004–0.0012 in.)
Rotor shaft bushing oil clearance (Maximum)		0.07 mm (0.0028 in.)
Clearance between rotor groove and vane plate (Maximum)		0.033 mm (0.00 130 in.)
Vane plate length (Minimum)		14.988 mm (0.5901 in.)
Vane plate height (Minimum)		8.1 mm (0.319 in.)
Vane plate thickness (Minimum)		1.797 mm (0.0707 in.)
Vane length	: Pump 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.)
Vane pump rotating torque (Maximum)		0.3 N–m (2.8 kgf–cm, 2.4 in.–lbf) or less
PS GEAR HOUSING		
Steering rack runout (Maximum)		0.15 mm (0.006 in.)
Cross shaft adjusting screw thrust clearance		0.03 – 0. 05 mm (0.0012 –0.0020 in.)
Worm 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

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	250	18
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 PUMP			
Union bolt	56	575	42
PS pump x Engine	36	370	27
Drive gear x Pump shaft	74	750	54
Pressure port union	69	700	51
Suction port union x Pump housing	13	130	9
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