SERVICE SPECIFICATIONS

SERVICE DATA

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Steering wheel freeplay (Maximum)	40 mm (1.58 in.) or less
PS ON–VEHICLE INSPECTION	
Maximum rise of oil level	5 mm (0.20 in.)
Oil pressure at idle speed with valve closed (Minimum)	7,845 kPa (80 kgf/cm², 1,138 psi)
Steering effort at idle speed (Maximum)	8.3 N·m (85 kgf·cm, 73 in.·lbf)
PS PUMP	
Flow control valve spring length (STD)	50 mm (1.97 in.)
Flow control valve spring length (Minimum)	55 mm (2.17 in.)
Pump rotating torque (Maximum)	0.2 N·m (2.0 kgf·cm, 1.7 in.·lbf)
PS GEAR HOUSING	
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	0.5–0.9 N·m (5–9.5 kgf·cm, 4.3–8.3 in.·lbf)
STEERING LINKAGE	
Center arm shaft outer diameter	35.966–35.991 mm (1.4160–1.4170 in.)
Idler arm bracket shaft outer diameter	24.972–24.993 mm (0.9831–0.9840 in.)
Center arm shaft to bushing oil clearance	0.009–0.059 mm (0.0004–0.0023 in.)
Idler arm shaft to bushing oil clearance	0.007–0.049 mm (0.0003–0.0019 in.)

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TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
STEERING COLUMN			
Steering main shaft x Universal joint	36	360	26
Column bracket mounting bolt	12	120	9
Steering wheel	34	350	25
Column hole cover x Body	12	120	9
Tilt lever lock bolt	26	260	18
Lower column tube x Column hole tube	12	120	9
Upper column tube x Upper bracket	7.5	75	65 in.·lbf
POWER STEERING PUMP			
Union bolt	56	575	42
PS pump x Engine (3B, 14B Engine)	20	200	14
PS pump x Engine (1HZ Engine)	36	370	27
Suction tube x PS pump	7.8	80	69 in.·lbf
Suction tube clamp	12	120	9
Front housing x Rear housing (3B, 14B Engine)	37	375	27
Front housing x Rear housing (1HZ Engine)	42	425	31
Valve lock screw x Rear housing	64	650	47
Drive gear lock nut	74	750	54
POWER STEERING GEAR HOUSING			
Pressure tube x Gear housing	43	435	31
Return tube x Gear housing	43	435	31
Gear housing x Body	145	1,450	105
Pitman arm x Sector shaft	335	3,350	242
End cover x Gear housing	88	900	65
Plunger guide nut	29	300	22
Power piston subassembly x Gear housing	88	900	65
Control valve shaft x Intermediate shaft	36	360	26
End cover x Sector shaft	98	1,000	72
STEERING LINKAGE			
Steering damper x Damper bracket	74	750	54
Steering damper x Idler arm	74	750	54
Idler arm shaft x Idler arm	142	1,450	105
Idler arm bracket cap	113	1,150	83
Idler arm bracket x Frame	98	1,000	72
Idler arm x Relay rod	91	930	67
Tie rod	152	1,550	112
Tie rod clamp	40	410	30
Drag link x Pitman arm	152	1,550	112
Center arm bracket x Frame	142	1,450	105
Center arm bracket cap	162	1,650	119
Center arm shaft x Center arm	230	2,350	170
Center arm x Relay rod	152	1,550	112

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