

SUSPENSION AND AXLE

SS000-03

SERVICE DATA

Cold tire inflation pressure	Standard inflation for all loads including rated loads		
	Under 160 km/h (100 mph)	Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		Rear	270 kPa (2.7 kgf/cm ² , 39 psi)
	160 km/h (100 mph) to 230 (140 mph)	Front	260 kPa (2.6 kgf/cm ² , 38 psi)
		Rear	300 kPa (3.0 kgf/cm ² , 44 psi)
	230 km/h (140 mph) or over	Front	300 kPa (3.0 kgf/cm ² , 44 psi)
		Rear	340 kPa (3.4 kgf/cm ² , 49 psi)
	Optional inflation for reduced loads (1 to 4 passengers)		
Under 160 km/h (100 mph)	Front	240 kPa (2.4 kgf/cm ² , 35 psi)	
	Rear	240 kPa (2.4 kgf/cm ² , 35 psi)	
160 km/h (100 mph) to 230 (140 mph)	Front	260 kPa (2.6 kgf/cm ² , 38 psi)	
	Rear	260 kPa (2.6 kgf/cm ² , 38 psi)	
230 km/h (140 mph) or over	Front	290 kPa (2.9 kgf/cm ² , 42 psi)	
	Rear	290 kPa (2.9 kgf/cm ² , 42 psi)	
Front wheel alignment	Vehicle height	Front	250 ± 10 mm (9.84 ± 0.39 in.)
		Right-left error	10 mm (0.39 in.) or less
		Rear	222.5 ± 10 mm (8.76 ± 0.39 in.)
		Right-left error	10 mm (0.39 in.) or less
		H _F *1 - F _R *2	27.5 ± 15 mm (1.08 ± 0.59 in.)
Front wheel alignment	Camber		0°05' ± 45' (0.08° ± 0.75°)
		Right-left error	30' (0.5°) or less
	Caster		7°25' ± 45' (7°42' ± 0.75°)
		Right-left error	30' (0.5°) or less
	Steering axis inclination		8°40' ± 45' (8.67° ± 0.75°)
		Right-left error	30' (0.5°) or less
Toe-in (total)		0°06' ± 12' (0.1° ± 0.2°, 1 ± 2 mm, 0.04 ± 0.08 in.)	
	Rack end length difference	1.0 mm (0.039 in.) or less	
Wheel angle	Inside wheel	42°00' ± 1°30' (42.0° ± 1.5°)	
	Outside wheel: Reference	34.0°	
Rear wheel alignment	Camber		-1°25' ± 45' (-1.42° ± 0.75°)
		Right-left error	30' (0.5°) or less
	Toe-in (total)		0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
Front axle	Axle bearing backlash	Maximum	0.05 mm (0.0020 in.) or less
	Axle hub deviation	Maximum	0.05 mm (0.0020 in.) or less
Front suspension	Upper ball joint turning torque		1.0 - 3.4 N·m (10 - 35 kgf·cm, 9 - 30 in.·lbf)
	Lower ball joint excessive play	Maximum	0.3 mm (0.012 in.)
	Lower ball joint turning torque		0.1 - 2.5 N·m (1 - 25 kgf·cm, 0 - 22 in.·lbf)
	Stabilizer bar link ball joint turning torque		0.05 - 1.5 N·m (0.5 - 15 kgf·cm, 0.4 - 13 in.·lbf)
Rear axle	Axle bearing backlash	Maximum	0.05 mm (0.0020 in.) or less
	Axle hub deviation	Maximum	0.07 mm (0.0028 in.) or less
Rear drive shaft	Drive shaft standard length	RH	619.5 mm (24.390 in.)
		LH	573.5 mm (22.579 in.)
Rear suspension	Upper ball joint turning torque		1.0 - 3.4 N·m (10 - 35 kgf·cm, 8.7 - 30 in.·lbf)
	No.1 lower suspension arm ball joint turning torque		0.8 - 3.4 N·m (8.5 - 35 kgf·cm, 7.4 - 30 in.·lbf)
	Stabilizer bar link ball joint turning torque		0.05 - 2.0 N·m (0.5 - 20 kgf·cm, 0.4 - 17.7 in.·lbf)

*1: H_F: Measured value of the front vehicle height*2: F_R: Measured value of the rear vehicle height

CENTURY (RM676E)

SERVICE SPECIFICATIONS - SUSPENSION AND AXLE

Rear differential	Drive pinion shaft runout	Maximum	0.08 mm (0.0031 in.)
	Ring gear runout	Maximum	0.05 mm (0.0020 in.)
	Ring gear backlash		0.08 – 0.13 mm (0.0031 – 0.0051 in.)
	Drive pinion bearing	New bearing Reused bearing	1.5 – 1.8 N·m (15 – 18 kgf·cm, 13.3 – 15.9 in.·lbf) 0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Total preload		Drive pinion preload plus 0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Pinion gear backlash	Maximum	0.15 mm (0.0059 in.)
	Side oil seal drive in depth		0 mm (0 in.)
	Drive pinion oil seal drive in depth		0 mm (0 in.)
	Pinion gear backlash adjusting thrust washer		1.50 mm (0.059 in.) 1.55 mm (0.061 in.) 1.60 mm (0.063 in.) 1.65 mm (0.065 in.) 1.70 mm (0.067 in.) 1.75 mm (0.069 in.) 1.80 mm (0.071 in.) 1.85 mm (0.073 in.) 1.90 mm (0.075 in.)

Rear differential (cont'd)	Ring gear backlash adjusting washer	No.	
		02	2.02 mm (0.0795 in.)
		04	2.04 mm (0.0803 in.)
		06	2.06 mm (0.0811 in.)
		08	2.08 mm (0.0819 in.)
		10	2.10 mm (0.0827 in.)
		12	2.12 mm (0.0835 in.)
		14	2.14 mm (0.0843 in.)
		16	2.16 mm (0.0850 in.)
		18	2.18 mm (0.0858 in.)
		20	2.20 mm (0.0866 in.)
		22	2.22 mm (0.0874 in.)
		24	2.24 mm (0.0882 in.)
		26	2.26 mm (0.0890 in.)
		28	2.28 mm (0.0898 in.)
		30	2.30 mm (0.0906 in.)
		32	2.32 mm (0.0913 in.)
		34	2.34 mm (0.0921 in.)
		36	2.36 mm (0.0929 in.)
		38	2.38 mm (0.0937 in.)
		40	2.40 mm (0.0945 in.)
		42	2.42 mm (0.0953 in.)
		44	2.44 mm (0.0961 in.)
		46	2.46 mm (0.0969 in.)
		48	2.48 mm (0.0976 in.)
		50	2.50 mm (0.0984 in.)
		52	2.52 mm (0.0992 in.)
		54	2.54 mm (0.1000 in.)
		56	2.56 mm (0.1008 in.)
		58	2.58 mm (0.1016 in.)
		60	2.60 mm (0.1024 in.)
		62	2.62 mm (0.1031 in.)
		64	2.64 mm (0.1039 in.)
		66	2.66 mm (0.1047 in.)
		68	2.68 mm (0.1055 in.)
		70	2.70 mm (0.1063 in.)
		72	2.72 mm (0.1071 in.)
	74	2.74 mm (0.1079 in.)	
	76	2.76 mm (0.1087 in.)	
	78	2.78 mm (0.1094 in.)	
	80	2.80 mm (0.1102 in.)	
	82	2.82 mm (0.1110 in.)	
	84	2.84 mm (0.1118 in.)	
	86	2.86 mm (0.1126 in.)	

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Rear differential (cont'd)	Tooth contact pattern adjusting washer	No.	
		87	1.87 mm (0.0736 in.)
		88	1.88 mm (0.0740 in.)
		89	1.89 mm (0.0744 in.)
		90	1.90 mm (0.0748 in.)
		91	1.91 mm (0.0752 in.)
		92	1.92 mm (0.0756 in.)
		93	1.93 mm (0.0760 in.)
		94	1.94 mm (0.0764 in.)
		95	1.95 mm (0.0768 in.)
		96	1.96 mm (0.0772 in.)
		97	1.97 mm (0.0776 in.)
		98	1.98 mm (0.0780 in.)
		99	1.99 mm (0.0783 in.)
		00	2.00 mm (0.0787 in.)
		01	2.01 mm (0.0791 in.)
		02	2.02 mm (0.0795 in.)
		03	2.03 mm (0.0799 in.)
		04	2.04 mm (0.0803 in.)
		05	2.05 mm (0.0807 in.)
		06	2.06 mm (0.0811 in.)
		07	2.07 mm (0.0815 in.)
		08	2.08 mm (0.0819 in.)
		09	2.09 mm (0.0823 in.)
		10	2.10 mm (0.0827 in.)
		11	2.11 mm (0.0831 in.)
		12	2.12 mm (0.0835 in.)
		13	2.13 mm (0.0839 in.)
	14	2.14 mm (0.0843 in.)	
	15	2.15 mm (0.0846 in.)	
	16	2.16 mm (0.0850 in.)	
	17	2.17 mm (0.0854 in.)	
	18	2.18 mm (0.0858 in.)	
	19	2.19 mm (0.0862 in.)	
	20	2.20 mm (0.0866 in.)	
	21	2.21 mm (0.0870 in.)	
	22	2.22 mm (0.0874 in.)	
	23	2.23 mm (0.0878 in.)	
	24	2.24 mm (0.0882 in.)	
	25	2.25 mm (0.0886 in.)	
	26	2.26 mm (0.0890 in.)	
	27	2.27 mm (0.0894 in.)	
	28	2.28 mm (0.0898 in.)	