SUSPENSION AND AXLE SERVICE DATA

SS0C0-06

	Europe [230 km/h (143 mph) or over]		
	Tire size		
	225/55R17 97W	Front *1	260 kPa (2.7 kgf/cm ² , 38 psi)
		Rear *1	290 kPa (3.0 kgf/cm ² , 42 psi)
		Front *2	260 kPa (2.7 kgf/cm², 38 psi)
		Rear *2	330 kPa (3.4 kgf/cm², 48 psi)
	Europe [Under 230 km/h (143 mph)]		
	Tire size		
	225/55R17 97W	Front *1	240 kPa (2.4 kgf/cm ² , 35 psi)
		Rear *1	240 kPa (2.4 kgf/cm ² , 35 psi)
		Front *2	240 kPa (2.4 kgf/cm², 35 psi)
		Rear *2	280 kPa (2.9 kgf/cm ² , 41 psi)
	Australia [190 km/h (118 mph) or over]		
	Tire size		
	225/55R17 97W	Front *1	270 kPa (2.8 kgf/cm ² , 39 psi)
		Rear *1	290 kPa (3.0 kgf/cm ² , 42 psi)
		Front *2	270 kPa (2.8 kgf/cm ² , 39 psi)
Cold tire inflation		Rear *2	330 kPa (3.4 kgf/cm ² , 48 psi)
pressure	Australia [Under 190 km/h (118 mph)]		
	Tire size		
	225/55R17 97W	Front *1	240 kPa (2.4 kgf/cm ² , 35 psi)
		Rear *1	240 kPa (2.4 kgf/cm ² , 35 psi)
		Front *2	240 kPa (2.4 kgf/cm ² , 35 psi)
		Rear *2	280 kPa (2.9 kgf/cm ² , 41 psi)
	Others [230 km/h (143 mph) or over]		
	Tire size		
	225/55R17 97W	Front *1	260 kPa (2.7 kgf/cm², 38 psi)
		Rear *1	290 kPa (3.0 kgf/cm², 42 psi)
		Front *2	260 kPa (2.7 kgf/cm ² , 38 psi)
		Rear *2	330 kPa (3.4 kgf/cm ² , 48 psi)
	Others [Under 230 km/h (143 mph)]		
	Tire size		
	225/55R17 97W	Front *1	240 kPa (2.4 kgf/cm ² , 35 psi)
		Rear *1	240 kPa (2.4 kgf/cm ² , 35 psi)
		Front *2	240 kPa (2.4 kgf/cm ² , 35 psi)
		Rear *2	280 kPa (2.9 kgf/cm ² , 41 psi)

^{*1:} Up to 4 passengers

Europe only:

When towing, increase the pressure 20 kPa (0.2 kgf/cm², 3 psi).

^{*2:} more than 4 passengers

	T		T
	Vehicle height		
	w/o Electronic modulated air suspension	Front *1	214 mm (8.43 in.)
		Rear *2	233 mm (9.17 in.)
	w/ Electronic modulated air suspension	Front *1	206 ± 10 mm (8.11 ± 0.39 in.)
		Left-right error	` '
		Rear *2	,
		Left-right error	
		H _f – F _r	27.5 ± 15 mm (1.08 ± 0.59 in.)
	Camber		
	w/o Electronic modulated air suspension		$-0^{\circ}05' \pm 45' (-0.08^{\circ} \pm 0.75^{\circ})$
		Left-right error	
	w/ Electronic modulated air suspension		$0^{\circ}15' \pm 45' (0.25^{\circ} \pm 0.75^{\circ})$
		Left-right error	30' (0.5°) or less
Front wheel	Caster		
alignment	w/o Electronic modulated air suspension		$6^{\circ}45' \pm 45' (6.75^{\circ} \pm 0.75^{\circ})$
		Left-right error	
	w/ Electronic modulated air suspension		$7^{\circ}15' \pm 45' (7.25^{\circ} \pm 0.75^{\circ})$
		Left-right error	30' (0.5°) or less
	Steering axis inclination (Reference)		
	w/o Electronic modulated air suspension		$9^{\circ}00' \pm 45' (9^{\circ} \pm 0.75^{\circ})$
		Left-right error	` '
	w/ Electronic modulated air suspension		9°15' ± 45' (9.25° ± 0.75°)
		Left-right error	30' (0.5°) or less
	Toe-in (total)		$0^{\circ}06' \pm 12' (0.1^{\circ} \pm 0.2^{\circ}, 1 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$
	Rack end length difference		1 mm (0.04 in.) or less
	Wheel angle		
	Inside wheel		43°30' (43.5°)
	Outside wheel (Reference)		37°20' (37.33°)
	Camber		
	w/o Electronic modulated air suspension		$-0^{\circ}53' \pm 45' (-0.88^{\circ} \pm 0.75^{\circ})$
Rear wheel	·	Left-right error	
alignment	w/ Electronic modulated air suspension		-1°33' ± 45' (-1.55° ± 0.75°)
a.i.g.i.i.i.e.ii.		Left-right error	30' (0.5°) or less
	Toe-in (total)		$0^{\circ}18' \pm 12' (0.3^{\circ} \pm 0.2^{\circ}, 3 \pm 2 \text{ mm}, 0.12 \pm 0.08 \text{ in.})$
	Wheel bearing backlash		0.05 mm (0.0020 in.) or less
Front axle	Axle hub deviation		0.05 mm (0.0020 in.) or less
	Upper ball joint turning torque		1.0 – 3.4 N·m (10 – 35 kgf·cm, 9 – 30 in.·lbf)
Front suspension	Lower ball joint turning torque		0.5 – 3.5 N·m (5 – 36 kgf·cm, 4.5 – 31 in.·lbf)
	Stabilizer bar ball joint turning torque		0.05 – 1.5 N·m (0.5 – 15 kgf·cm, 0.4 – 13 in.·lbf)

H_f: Measured value of the front vehicle height

Measure from the ground to the center of the lower suspension arm mounting bolt.

Measure from the ground to the center of the lower suspension arm No. 2 mounting bolts.

F_r: Measured value of the rear vehicle height

^{*1:} Front measure point

^{*2:} Rear measure point

Rear axle	Wheel bearing backlash	0.05 mm (0.0020 in.) or less
	Axle hub deviation	0.07 mm (0.0028 in.) or less
Rear drive shaft	Drive shaft length RH	623.5 mm (24.547 in.)
near drive shall	LH	577.5 mm (22.736 in.)
	Upper ball joint turning torque	1.0 – 3.4 N·m (10 – 35 kgf·cm, 9 – 30 in.·lbf)
	lower suspension arm ball joint turning torque	0.5 – 3.4 N·m (5.0 – 35 kgf·cm, 4.4 – 30 in.·lbf)
Rear suspension	Toe control link ball joint turning torque	0.9 – 3.2 N·m (9.0 – 33 kgf·cm, 8.0 – 28 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)
	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 preload (at starting)	
	New bearing	1.5 – 1.8 N·m (15 – 18 kgf·cm, 13.0 – 15.6 in.·lbf)
	Reused bearing	0.5 - 0.8 N·m (5 - 8 kgf·cm, 4.3 - 6.9 in.·lbf)
	Total preload (at starting)	Drive pinion preload plus
		0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
Rear differential	Pinion gear backlash Maximum	0.15 mm (0.0059 in.)
		1.50 mm (0.059 in.)
		1.55 mm (0.061 in.)
		1.60 mm (0.063 in.)
		1.65 mm (0.065 in.)
	Pinion gear backlash adjusting thrust washer	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.)

	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	,
	14	,
	16	, ,
	18	2.18 mm (0.0858 in.)
	20	2.20 mm (0.0866 in.)
	22	, , , , , , , , , , , , , , , , , , ,
	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.)
Rear differential	42	
(cont'd)	44	` '
(55.11 4)	46	
	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	
	74	2.74 mm (0.1079 in.)
	76	2.76 mm (0.1087 in.)
	78	2.78 mm (0.1100 in.)
	80	2.80 mm (0.1102 in.)
	82	2.82 mm (0.1094 in.)
	84	2.84 mm (0.1118 in.)
	86	
		`,

	Tooth contact pattern adjusting washer	No.	
	100th contact pattern adjusting washer	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	1.90 mm (0.0740 in.)
		92	1.92 mm (0.0756 in.)
		93	1.93 mm (0.0760 in.)
		94	1.94 mm (0.0764 in.)
		94 95	· · · · · · · · · · · · · · · · · · ·
			1.95 mm (0.0768 in.) 1.96 mm (0.0772 in.)
		96 07	, , ,
		97	1.97 mm (0.0776 in.)
		98	1.98 mm (0.0780 in.)
		99	1.99 mm (0.0784 in.)
		00	,
		01	2.01 mm (0.0791 in.)
			2.02 mm (0.0795 in.)
			2.03 mm (0.0799 in.)
		04	,
			2.05 mm (0.0807 in.)
Rear differential			2.06 mm (0.0811 in.)
(cont'd)		07	,
			2.08 mm (0.0819 in.)
			2.09 mm (0.0823 in.)
			2.10 mm (0.0827 in.)
		11	2.11 mm (0.0831 in.)
			2.12 mm (0.0835 in.)
			2.13 mm (0.0839 in.)
			2.14 mm (0.0843 in.)
			2.15 mm (0.0846 in.)
			2.16 mm (0.0850 in.)
			2.17 mm (0.0854 in.)
			2.18 mm (0.0858 in.)
			2.19 mm (0.0862 in.)
		20	,
		21	,
		22	
		23	2.23 mm (0.0878 in.)
		24	,
		25	` '
		26	,
		27	2.27 mm (0.0894 in.)
		28	2.28 mm (0.0898 in.)