

SUSPENSION AND AXLE

SERVICE DATA

SS000-01

Cold tire inflation pressure	Tire size P225/60R16 97 V	Front	200 kPa (2.0 kgf/cm ² , 29 psi)	
		Rear	200 kPa (2.0 kgf/cm ² , 29 psi)	
Front wheel alignment	Vehicle height			
	Coil suspension	Front	264 mm (10.39 in.)	
		Rear	243 mm (9.57 in.)	
	Air suspension	Front	250 ± 10 mm (9.84 ± 0.39 in.)	
		Left-right error	10 mm (0.39 in.) or less	
		Rear	222.5 ± 10 mm (8.76 ± 0.39 in.)	
		Left-right error	10 mm (0.39 in.) or less	
		H _F – F _R	27.5 ± 15 mm (1.08 ± 0.59 in.)	
	Camber	Coil suspension		0° 20' ± 45' (0.33° ± 0.75°)
			Left-right error	30' (0.5°) or less
	Air suspension			0° 05' ± 45' (0.08° ± 0.75°)
		Left-right error		30' (0.5°) or less
	Caster	Coil suspension		7° 00' ± 45' (7° ± 0.75°)
			Left-right error	30' (0.5°) or less
Air suspension			7° 25' ± 45' (7° 42' ± 0.75°)	
		Left-right error	30' (0.5°) or less	
Steering axis inclination (Reference)	Coil suspension		8° 25' ± 45' (8.42° ± 0.75°)	
		Left-right error	30' (0.5°) or less	
	Air suspension		8° 40' ± 45' (8.66° ± 0.75°)	
		Left-right error	30' (0.5°) or less	
Toe-in (total)	Coil suspension		0° 18' ± 12' (0.3° ± 0.2°, 2 ± 2 mm, 0.12 ± 0.08 in.)	
	Air suspension		0° 06' ± 12' (0.1° ± 0.2°, 1 ± 2 mm, 0.04 ± 0.08 in.)	
Wheel angle	Inside wheel		42° 00' ± 1° 30' (42° ± 1.5°)	
	Outside wheel (Reference)	Coil suspension	34° 20' (34.33°)	
		Air suspension	34° 00' (34°)	
Rear wheel alignment	Camber	Coil suspension	-0° 50' ± 45' (-0.83° ± 0.75°)	
			Left-right error	30' (0.5°) or less
	Air suspension		-1° 25' ± 45' (-1.42° ± 0.75°)	
		Left-right error	30' (0.5°) or less	
Toe-in (total)	Coil suspension		0° 12' ± 12' (0.2° ± 0.2°, 2 ± 2 mm, 0.08 ± 0.08 in.)	
	Air suspension		0° 18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)	
Front axle	Wheel bearing backlash		0.05 mm (0.0020 in.) or less	
	Axle hub deviation		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 turning torque		1.0 – 2.5 N·m (10 – 25 kgf·cm, 9 – 21.7 in.-lbf)	
	Lower ball joint excessive play		0.3 mm (0.0118 in.) or less	
	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

F_R: Measured value of the rear vehicle height