

SUSPENSION AND AXLE

SERVICE DATA

SSOFD-08

Cold tire inflation pressure (GS430)	(Tire size: 235/45ZR17)		
	Less than 160 km/h (100 mph)	*1Front	230 kPa (2.3 kgf/cm ² , 33 psi)
		*1Rear	230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Front	230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Rear	240 kPa (2.4 kgf/cm ² , 35 psi)
	160 – 230 km/h (100 – 143 mph)	*1Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*1Rear	240 kPa (2.4 kgf/cm ² , 35 psi)
		*2Front	250 kPa (2.6 kgf/cm ² , 36 psi)
		*2Rear	280 kPa (2.9 kgf/cm ² , 41 psi)
	More than 230 km/h (143 mph)	*1Front	260 kPa (2.7 kgf/cm ² , 38 psi)
		*1Rear	260 kPa (2.7 kgf/cm ² , 38 psi)
		*2Front	280 kPa (2.9 kgf/cm ² , 41 psi)
		*2Rear	340 kPa (3.5 kgf/cm ² , 49 psi)
Cold tire inflation pressure (GS300)	Europe and G.C.C. countries (Tire size: 225/55R16 94V)		
	Less than 160 km/h (100 mph)	*1Front	220 kPa (2.2 kgf/cm ² , 32 psi)
		*1Rear	220 kPa (2.2 kgf/cm ² , 32 psi)
		*2Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*2Rear	250 kPa (2.6 kgf/cm ² , 36 psi)
	160 – 210 km/h (100 – 131 mph)	*1Front	230 kPa (2.3 kgf/cm ² , 33 psi)
		*1Rear	230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*2Rear	280 kPa (2.9 kgf/cm ² , 41 psi)
	More than 210 km/h (131 mph)	*1Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*1Rear	250 kPa (2.6 kgf/cm ² , 36 psi)
		*2Front	260 kPa (2.7 kgf/cm ² , 38 psi)
		*2Rear	340 kPa (3.5 kgf/cm ² , 49 psi)
	Europe (Tire size: 235/45ZR17)		
	Less than 160 km/h (100 mph)	*1Front	230 kPa (2.3 kgf/cm ² , 33 psi)
		*1Rear	230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Front	230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Rear	240 kPa (2.4 kgf/cm ² , 35 psi)
	160 – 210 km/h (100 – 131 mph)	*1Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*1Rear	240 kPa (2.4 kgf/cm ² , 35 psi)
		*2Front	250 kPa (2.6 kgf/cm ² , 36 psi)
		*2Rear	280 kPa (2.9 kgf/cm ² , 41 psi)
	More than 210 km/h (131 mph)	*1Front	260 kPa (2.7 kgf/cm ² , 38 psi)
		*1Rear	260 kPa (2.7 kgf/cm ² , 38 psi)
		*2Front	280 kPa (2.9 kgf/cm ² , 41 psi)
		*2Rear	340 kPa (3.5 kgf/cm ² , 49 psi)
	Australia (Tire size: 225/55R16 94V)		
	Less than 140 km/h (87 mph)	*1Front	220 kPa (2.2 kgf/cm ² , 32 psi)
		*1Rear	220 kPa (2.2 kgf/cm ² , 32 psi)
		*2Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*2Rear	270 kPa (2.8 kgf/cm ² , 39 psi)
	More than 140 km/h (87 mph)	*1Front	240 kPa (2.4 kgf/cm ² , 35 psi)
		*1Rear	250 kPa (2.6 kgf/cm ² , 36 psi)
		*2Front	300 kPa (3.1 kgf/cm ² , 44 psi)
		*2Rear	340 kPa (3.5 kgf/cm ² , 49 psi)

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Cold tire inflation pressure (GS300)	Australia (Tire size: 235/45ZR17)	
	Less than 140 km/h (87 mph)	*1Front 230 kPa (2.3 kgf/cm ² , 33 psi)
		*1Rear 230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Front 230 kPa (2.3 kgf/cm ² , 33 psi)
		*2Rear 270 kPa (2.8 kgf/cm ² , 39 psi)
	More than 140 km/h (87 mph)	*1Front 260 kPa (2.7 kgf/cm ² , 38 psi)
		*1Rear 260 kPa (2.7 kgf/cm ² , 38 psi)
		*2Front 280 kPa (2.9 kgf/cm ² , 41 psi)
		*2Rear 340 kPa (3.5 kgf/cm ² , 49 psi)
Front axle	Wheel bearing backlash	0.05 mm (0.0020 in.)
	Axle hub deviation	0.05 mm (0.0020 in.)
Front wheel alignment	Vehicle height	
	Tire size: 225/55R16	*3Front 239 mm (9.41 in.)
		*4Rear 225 mm (8.86 in.)
	Tire size: 235/45ZR17	*3Front 237 mm (9.33 in.)
		*4Rear 223 mm (8.78 in.)
	Camber	–0° 18' ± 30' (–0.3° ± 0.5°)
	Left–right error	30' (0.5°) or less
	Caster	7° 28' ± 30' (7.47° ± 0.5°)
	Left–right error	30' (0.5°) or less
	Steering axis inclination	8° 54' ± 30' (8.9° ± 0.5°)
	Left–right error	30' (0.5°) or less
	Toe–in (total)	0° 09' ± 12' (0.15° ± 0.2°, 1.5 ± 2 mm, 0.06 ± 0.08 in.)
	Rack end length difference	1.5 mm (0.059 in.) or less
	Wheel angle	Inside wheel 38° 51' (36° 51' – 39° 51')
		38.85° (36.85° – 39.85°)
	Outside wheel: Reference	32° 08'
		32.13°

*1: Up to 4 passengers

*2: More than the 4 passengers

*3: Measure the distance from the ground to the center of the lower suspension arm mounting bolt.

*4: Measure the distance from the ground to the center of the No.2 lower suspension arm mounting bolt.