SUSPENSION AND AXLE

SERVICE DATA

SS170–01

Cold tire inflation pressure (Europe)	195/60R15 88V		
	For reduced loads (2 passengers)		
	Under 160 km/h (100 mph)	Front, rear	210 kPa (2.1 kgf/cm^2, 30 psi)
	160 km/h (100 mph) or over	Front, rear	260 kPa (2.6 kgf/cm^2, 38 psi)
	For all loads including full rated loads		
	Under 160 km/h (100 mph)	Front, rear	210 kPa (2.1 kgf/cm^2, 30 psi)
	160 km/h (100 mph) or over	Front, rear	260 kPa (2.6 kgf/cm^2, 38 psi)
	205/50R16 87V		
	For reduced loads (2 passengers)		
	Under 160 km/h (100 mph)	Front, rear	220 kPa (2.2 kgf/cm^2, 32 psi)
	160 km/h (100 mph) or over	Front, rear	270 kPa (2.7 kgf/cm^2, 39 psi)
	For all loads including full rated loads		
	Under 160 km/h (100 mph)	Front, rear	220 kPa (2.2 kgf/cm^2, 32 psi)
	160 km/h (100 mph) or over	Front, rear	270 kPa (2.7 kgf/cm^2, 39 psi)
Cold tire inflation pressure (Australia)	205/55R15 87V or 205/50R16 87V		
	Under 140 km/h (87 mph)	Front, rear	220 kPa (2.2 kgf/cm^2, 32 psi)
	140 km/h (87 mph) or over	Front, rear	270 kPa (2.7 kgf/cm^2, 39 psi)
Front Wheel alignment (Europe)	Vehicle height		
	Tire size: 195/60R15	Front*1	198 mm (7.80 in.)
		Rear*2	239 mm (9.41 in.)
	Tire size: 205/50R16	Front*1	197 mm (7.76 in.)
		Rear*2	236 mm (9.29 in.)
	Camber		
		195/60R15	−0°25' ± 45' (−0.42° ± 0.75°)
		205/50R16	−0°26' ± 45' (−0.43° ± 0.75°)
		Right−left error	45' (0.75°) or less
	Caster		
		195/60R15	2°08' ± 45' (2.13° ± 0.75°)
		205/50R16	2°05' ± 45' (2.08° ± 0.75°)
		Right−left error	45' (0.75°) or less
	Steering axis inclination		
		195/60R15	13°04' ± 45' (13.07° ± 0.75°)
		205/50R16	13°07' ± 45' (13.12° ± 0.75°)
		Right−left error	45' (0.75°) or less
	Toe−in (total)		0° ± 12' (0° ± 0.2°, 0 ± 2 mm, 0 ± 0.08 in.)
		Rack end length difference	1.5 mm (0.059 in.) or less
	Wheel angle		
	195/60R15	Inside wheel	38°46' ± 2° (38.77° ± 2°)
		Outside wheel: Reference	33°24' (33.40°)
	205/50R16	Inside wheel	38°42' ± 2° (38.70° ± 2°)
		Outside wheel: Reference	33°22' (33.37°)

Front Wheel alignment (Australia)	Vehicle height		
	Tire size: 205/55R15	Front*1	197 mm (7.76 in.)
		Rear*2	239 mm (9.41 in.)
	Tire size: 205/50R16	Front*1	200 mm (7.87 in.)
		Rear*2	237 mm (9.33 in.)
	Camber		–0°23' ± 45' (–0.38° ± 0.75°)
		Right–left error	45' (0.75°) or less
	Caster		2°00' ± 45' (2.00° ± 0.75°)
		Right–left error	45' (0.75°) or less
	Steering axis inclination		13°02' ± 45' (13.03° ± 0.75°)
		Right–left error	45' (0.75°) or less
	Toe–in (total)		0° ± 12' (0° ± 0.2°, 0 ± 2 mm, 0 ± 0.08 in.)
		Rack end length difference	1.5 mm (0.059 in.) or less
	Wheel angle	Inside wheel	38°48' ± 2° (38.80° ± 2°)
		Outside wheel: Reference	33°26' (33.43°)
Rear wheel alignment	Camber		
		Europe:	–1°05' ± 45' (–1.08° ± 0.75°)
		Australia	–0°58' ± 45' (–0.97° ± 0.75°)
		Right–left error	45' (0.75°) or less
	Toe–in (total)		0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
		Toe–in cross measurement difference	6 mm (0.24 in.) or less
Front axle	Axle bearing backlash	Maximum	0 mm (0 in.)
	Axle hub deviation	Maximum	0.05 mm (0.0020 in.)
Front drive shaft	Drive shaft standard length	RH	845.5 ± 5.0 mm (33.287 ± 0.197 in.)
		LH	563.7 ± 5.0 mm (22.193 ± 0.197 in.)
Front suspension	Lower ball joint turning torque		1.0 – 3.4 N·m (10 – 35 kgf·cm, 8.7 – 30 in.·lbf)
	Stabilizer bar link ball joint turning torque		0.05 – 1.0 N·m (0.5 – 10 kgf·cm, 0.4 – 8.7 in.·lbf)
Rear axle	Axle bearing backlash	Maximum	0.05 mm (0.0020 in.)
	Axle hub deviation	Maximum	0.07 mm (0.0028 in.)
Rear suspension	Stabilizer bar link ball joint turning torque		0.05 – 1.0 N·m (0.5 – 10 kgf·cm, 0.4 – 8.7 in.·lbf)

*1: Front measuring point
Measure the distance from the ground to the center of the front side lower suspension arm mounting bolt.
*2: Rear measuring point
Measure the distance from the ground to the center of the rear side lower suspension arm suspension member side set bolt.