

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
	160 km/h (100 mph) or over	Front, rear
	For all loads including full rated loads	
	Under 160 km/h (100 mph)	Front, rear
	160 km/h (100 mph) or over	Front, rear
	205/50R16 87V	
	For reduced loads (2 passengers)	
	Under 160 km/h (100 mph)	Front, rear
	160 km/h (100 mph) or over	Front, rear
	For all loads including full rated loads	
	Under 160 km/h (100 mph)	Front, rear
	160 km/h (100 mph) or over	Front, rear
Cold tire inflation pressure (Australia)	205/55R15 87V or 205/50R16 87V	
	Under 140 km/h (87 mph)	Front, rear
	140 km/h (87 mph) or over	Front, rear
Front Wheel alignment (Europe)	Vehicle height	
	Tire size: 195/60R15	Front*1
		Rear*2
	Tire size: 205/50R16	Front*1
		Rear*2
	Camber	
	195/60R15	$-0^{\circ}25' \pm 45' (-0.42^{\circ} \pm 0.75^{\circ})$
	205/50R16	$-0^{\circ}26' \pm 45' (-0.43^{\circ} \pm 0.75^{\circ})$
	Right-left error	45' (0.75°) or less
	Caster	
	195/60R15	$2^{\circ}08' \pm 45' (2.13^{\circ} \pm 0.75^{\circ})$
	205/50R16	$2^{\circ}05' \pm 45' (2.08^{\circ} \pm 0.75^{\circ})$
	Right-left error	45' (0.75°) or less
	Steering axis inclination	
	195/60R15	$13^{\circ}04' \pm 45' (13.07^{\circ} \pm 0.75^{\circ})$
	205/50R16	$13^{\circ}07' \pm 45' (13.12^{\circ} \pm 0.75^{\circ})$
	Right-left error	45' (0.75°) or less
	Toe-in (total)	$0^{\circ} \pm 12' (0^{\circ} \pm 0.2^{\circ}, 0 \pm 2 \text{ mm}, 0 \pm 0.08 \text{ in.})$
	Rack end length difference	1.5 mm (0.059 in.) or less
	Wheel angle	
	195/60R15	Inside wheel
		Outside wheel: Reference
	205/50R16	Inside wheel
		Outside wheel: Reference

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