

SUSPENSION AND AXLE Specifications (Front)

Cold tire inflation pressure	195/65 R 15	2.2 kg/cm ²	32 psi	220 kPa
Vehicle height	195/65 R 15	Front		Rear
		225 mm	9.25 in.	249 mm 9.80 in.
Front wheel alignment				
Toe-in		0.2° ± 0.2° 2 ± 2 mm	0.08 ± 0.08 in.	
Camber		0°30' ± 45'		
Steering axis inclination	Left-right error	30' or less		
Caster	Left-right error	13°10' ± 45'		
		30' or less		
	Left-right error	7°20' ± 45'		
		30' or less		
Side slip		3.0 mm/m (0.118 in./3.3 ft) or less		
Wheel angle	Inside wheel	41°28' +1° -2°		
	Outside wheel	34°17'		
	At 200 (Outside wheel)	21° (Inside wheel)		
Disc wheel lateral runout	Limit	1.2 mm	0.047 in.	
Hub runout	Limit	0.05 mm	0.0020 in.	
Hub axial play	Limit	0.05 mm	0.0020 in.	
Ball joint vertical play	Limit	2.5 mm	0.098 in.	

Torque Specifications (Front)

Part tightened	kg-cm	ft-lb	N·m
Shock absorber piston rod x Suspension support	475	34	47
Axle hub bearing nut	1,500	108	147
Lower arm x Suspension member	1,670	121	164
Lower ball joint x Steering knuckle arm	930	67	91
Strut bar x Strut bar bracket	1,300	94	127
Steering knuckle arm x Tie rod	600	43	59
Strut bar x Lower arm	1,050	76	103
Strut bar bracket x Body	1,190	86	117
Stabilizer bar x Stabilizer bar link	970	70	95
Stabilizer bar bracket x Strut bar bracket	300	22	29
Suspension support x Fender apron	440	32	43
Shock absorber x Knuckle arm	1,100	80	108
Stabilizer bar link x Shock absorber	970	70	95
Hub nut	1,050	76	103
Disc brake caliper x Steering knuckle	925	67	91
Dust cover x Shock absorber	185	13	18

Specifications (Rear)

Wheel alignment	Camber	0°00' ± 45'			
	Left-right error	30' or less			
	Toe-in	0.2° ± 0.4°			
		2 ± 4 mm	0.08 ± 0.16 in.		
Rear axle hub	Bearing axial direction play Limit	0.05 mm	0.0020 in.		
	Axle shaft flange runout Limit	0.07 mm	0.0028 in.		
Differential	Drive pinion bearing preload	at Starting			
		New bearing	10 – 16 kg-cm (8.7 – 13.9 in.-lb, 1.0 – 1.6 N·m)		
		Reused bearing	5 – 8 kg-cm (4.3 – 6.9 in.-lb, 0.5 – 0.8 N·m)		
	Total preload	at Starting	Add drive pinion bearing preload 4 – 6 kg-cm (3.5 – 5.2 in.-lb, 0.4 – 0.6 N·m)		
	Drive pinion to ring gear backlash		0.13 – 0.18 mm	0.0051 – 0.0071 in.	
	Pinion gear to side gear backlash		0.05 – 0.20 mm	0.0020 – 0.0079 in.	
	Ring gear runout Limit		0.10 mm	0.0039 in.	
	Companion flange runout				
		Limit	Lateral runout	0.10 mm	0.0039 in.
			Radial runout	0.10 mm	0.0039 in.
	Drive pinion oil seal drive in depth	1.5 mm	0.059 in.		
	Side gear oil seal drive in depth	Flash the carrier end surface			
Rear suspension	No. 1 lower suspension arm ball joint turning torque	8.5 – 35 kg-cm	7.4 – 30 in.-lb	0.8 – 3.4 N·m	
	Upper arm ball joint turning torque	10 – 35 kg-cm	9 – 30 in.-lb	1.0 – 3.4 N·m	
	Stabilizer bar link ball joint turning torque	3 – 12 kg-cm	2.6 – 10.4 in.-lb	0.3 – 1.2 N·m	

Torque Specifications (Rear)

Axle hub	Part tightened	kg-cm	ft-lb	N·m	
Axle hub and rear suspension	Axle carrier x Drive shaft	2,800	203	275	
	Axle carrier x Shock absorber	1,400	101	137	
	Axle carrier x Upper arm ball joint	1,100	80	108	
	Axle carrier x No.1 lower suspension arm	500	36	49	
	Axle carrier x No.2 lower suspension arm	1,650	119	162	
	Axle carrier x Strut rod	1,450	105	142	
	Axle carrier x Backing plate	600	43	59	
	Axle carrier x Brake caliper	475	34	47	
	Shock absorber x Suspension support	280	20	27	
	Body x Upper arm	1,650	119	162	
	Body x No.1 lower suspension arm	1,850	134	181	
	Body x No.2 lower suspension arm	1,850	134	181	
	Body x Strut rod	1,450	105	142	
	Body x Stabilizer bar bracket	360	26	35	
	Stabilizer bar x Link	590	43	58	
	Drive shaft and differential	Drive shaft x Differential	700	51	69
Body x Differential		Front bolts	980	71	96
		Rear bolts	1,250	90	123
Carrier x Carrier cover		475	34	47	
Drain plug		500	36	49	
Filler plug		400	29	39	
Carrier x Side bearing cap		800	58	78	
Ring gear x Differential case		985	71	97	
Drive pinion x Companion flange		See page SA-64			
Differential case (LH x RH) (LSD)		480	35	47	
Companion flange x Propeller shaft	750	54	74		