

Torque Specifications

Part tightened	kg-cm	ft-lb	N·m
Propeller shaft x Differential	900	65	88
Propeller shaft x Transfer	900	65	88

SUSPENSION AND AXLE Specifications

Cold tire inflation pressure kg / Cm2 (psi, kPa)	Tire size			Front	Rear	
	P225/75 R15 EXTRA LOAD			1.8 (26, 177)	2.4 (34, 235)	
Front wheel alignment	Camber			1° ± 45'		
	King pin inclination			9°30' ± 45'		
	Caster			0°50' ± 45'		
	Toe-in			Inspection STD	Adjustment STD	
				1 ± 2 mm (0.04 ± 0.08 in.)	1 ± 2 mm (0.04 ± 0.08 in.)	
	wheel angle	Max.	Inside wheel	32° ^{+0°} - 3°		
			Outside wheel	30°		
			at 20° (Outside wheel)	Inside wheel	21°	
	Side slip (Reference only)			Less than 3.0 mm / m (0.118 in. / 3.3 ft)		
Disc wheel lateral runout			Limit	1.2 mm	0.047 in.	
Wheel bearing preload			Frictional force of	2.8 – 5.7 kg	6.2 – 12.6 lb	27 – 56 N
(rotating load at hub bolt)			oil seal plus			
Steering knuckle bearing preload				3.0 – 6.0 kg	6.6 – 13.2 lb	29 – 59 N
(rotating load at knuckle arm end, before installing dust seal)						
Steering knuckle preload adjusting shim thickness				0.1 mm	0.004 in.	
				0.2 mm	0.008 in.	
				0.3 mm	0.012 in.	
				0.5 mm	0.020 in.	
				1.0 mm	0.039 in.	

Specifications (Cont'd)

Rear axle shaft	Axle shaft runout	0.8 mm	0.031 in.
Differential	Drive pinion bearing preload at Starting		
	New bearing	13 – 20 kg-cm	11.3 – 17.4 in.-lb 1.3 – 2.0 N-m
	Reused bearing	7 – 10 kg-cm	6.1 – 8.7 in.-lb 0.7 – 1.0 N-m
	Total preload at Starting		
	New and reused bearing	4 – 6 kg-cm	3.5 – 5.2 in.-lb 0.4 – 0.6 N-m
	Drive pinion to ring gear backlash	0.15 – 0.20 mm	0.0059 – 0.0079 in.
	Pinion gear to side gear backlash	0.02 – 0.20 mm	0.0008 – 0.0079 in.
	Ring gear runout	0.10 mm	0.0039 in.
	Companion flange runout	Limit	
		Limit	
		Radial	0.10 mm 0.0039 in.
		Lateral	0.10 mm 0.0039 in.
	Ring gear installation temperature	90 – 110°C	194 – 230°F
	Side gear thrust washer thickness		
		1.55 – 1.65 mm	0.0610 – 0.0650 in.
		1.70 – 1.80 mm	0.0669 – 0.0709 in.
		1.85 – 1.95 mm	0.0728 – 0.0768 in.
		2.00 – 2.10 mm	0.0787 – 0.0827 in.
	Drive pinion adjusting plate washer thickness		
		1.05 mm	0.0413 in.
		1.10 mm	0.0433 in.
		1.15 mm	0.0453 in.
		1.20 mm	0.0472 in.
		1.25 mm	0.0492 in.
		1.30 mm	0.0512 in.
		1.35 mm	0.0531 in.
		1.40 mm	0.0551 in.
		1.45 mm	0.0571 in.
		1.50 mm	0.0591 in.
		1.55 mm	0.0610 in.
	Pinion shaft spacer thickness		
		29.0 mm	1.142 in.
		29.4 mm	1.157 in.
		29.8 mm	1.173 in.
		30.2 mm	1.189 in.
		30.6 mm	1.205 in.

Torque Specifications

	Part tightened	kg-cm	ft-lb	N-m
Free wheel hub	Free wheel hub body x Axle hub	315	23	31
	Free wheel hub body x Free wheel hub cover	100	7	10
	Wheel nut	1,600	116	157
Front axle hub	Front axle hub bearing lock nut	900	65	88
Steering knuckle and axle shaft	Steering knuckle x Knuckle arm	980	71	96
	Steering knuckle x Bearing cap	980	71	96
	Steering knuckle x Knuckle Spindle	475	34	47
Differential	Propeller shaft x Companion flange	900	65	88
	Side bearing cap x Differential carrier	800	58	78
	Ring gear x Differential case	1,125	81	110
	Drive pinion x Companion flange	2,500 – 4,500	181 – 325	245 – 441
	Differential carrier x Axle housing	475	34	47
	Adjusting nut lock x Bearing cap	130	9	13
Front suspension	Spring U-bolt x Axle housing	1,450	105	142
	Leaf spring center bolt	500	36	49
	Hanger pin x frame	240	17	24
	Rear spring bracket x Hanger pin	1,250	90	123
	Front spring shackle x Leaf spring	925	67	91
	Front shock absorber x Axle housing	650	47	64
	Front shock absorber x Frame	260	19	25
	Stabilizer bar bracket x Axle housing	130	9	13
	Stabilizer bar x Frame	180	13	18
Rear axle shaft	Differential rear cover x Axle housing	130	9	13
	Pinion shaft pin x Differential case	275	20	27
Rear suspension	Spring U-bolt x Axle housing	1,450	105	142
	Leaf spring center bolt	500	36	49
	Hanger pin x frame	240	17	24
	Front spring bracket x Hanger pin	1,250	90	123
	Rear spring shackle x Leaf spring	925	67	91
	Rear shock absorber x Axle housing	375	27	37
	Rear shock absorber x Body	650	47	64
	Stabilizer bar bracket x Axle housing	130	9	13
	Stabilizer bar x link	260	19	25