SUSPENSION AND AXLE

SERVICE DATA

SS02O–02

Cold tire inflation pressure (2WD, Loaded)	6.00–14–6PRLT		Front	200 kPa (2.0 kgf/cm^2 or bar, 29 psi)
	6.50–14–8PRLT		Rear	425 kPa (4.25 kgf/cm^2 or bar, 62 psi)
	185R14C–8PR	RZN142L	Front	200 kPa (2.0 kgf/cm^2 or bar, 29 psi)
			Rear	450 kPa (4.5 kgf/cm^2 or bar, 65 psi)
		Except RZN142L	Front	220 kPa (2.2 kgf/cm^2 or bar, 32 psi)
			Rear	450 kPa (4.5 kgf/cm^2 or bar, 65 psi)
	195R14C–8PR		Front	220 kPa (2.2 kgf/cm^2 or bar, 32 psi)
			Rear	450 kPa (4.5 kgf/cm^2 or bar, 65 psi)
	195R15–6PRLT		Front	180 kPa (1.8 kgf/cm^2 or bar, 26 psi)
			Rear	375 kPa (3.75 kgf/cm^2 or bar, 54 psi)
Cold tire inflation pressure (2WD, Unloaded)	6.00–14–6PRLT		Front	180 kPa (1.8 kgf/cm^2 or bar, 26 psi)
	6.50–14–8PRLT		Rear	240 kPa (2.4 kgf/cm^2 or bar, 35 psi)
	185R14C–8PR	RZN142L	Front	200 kPa (2.0 kgf/cm^2 or bar, 29 psi)
			Rear	450 kPa (4.5 kgf/cm^2 or bar, 65 psi)
		Except RZN142L	Front	220 kPa (2.2 kgf/cm^2 or bar, 32 psi)
			Rear	450 kPa (4.5 kgf/cm^2 or bar, 65 psi)
	195R14C–8PR		Front	220 kPa (2.2 kgf/cm^2 or bar, 32 psi)
			Rear	450 kPa (4.5 kgf/cm^2 or bar, 65 psi)
	195R15–6PRLT		Front	180 kPa (1.8 kgf/cm^2 or bar, 26 psi)
			Rear	375 kPa (3.75 kgf/cm^2 or bar, 54 psi)
Cold tire inflation pressure (4WD and Prerunner)	205R16 (Europe)	Reinforced radial tire	Front	170 kPa (1.7 kgf/cm^2 or bar, 25 psi)
			Rear	260 kPa (2.6 kgf/cm^2 or bar, 38 psi)
	205R16 (Others)	Reinforced radial tire	Front	170 kPa (1.7 kgf/cm^2 or bar, 25 psi)
			Rear	240 kPa (2.4 kgf/cm^2 or bar, 35 psi)
	205R16C–6PR		Front	170 kPa (1.7 kgf/cm^2 or bar, 25 psi)
			Rear	300 kPa (3.0 kgf/cm^2 or bar, 44 psi)
	7.00–16–8PRLT		Front	240 kPa (2.4 kgf/cm^2 or bar, 35 psi)
			Rear	425 kPa (4.25 kgf/cm^2 or bar, 62 psi)
	255/70R15 112LT		Front	190 kPa (1.9 kgf/cm^2 or bar, 28 psi)
			Rear	240 kPa (2.4 kgf/cm^2 or bar, 35 psi)
Front wheel alignment (2WD)	Vehicle height (Europe)			
	LN145R(L)–TRMDSW		Front*1	34 mm (1.34 in.)
			Rear*2	33 mm (1.30 in.)
	LN145L–PRMDSW		Front*1	41 mm (1.61 in.)
			Rear*2	32 mm (1.26 in.)
	LN150L–CRMDSW		Front*1	38 mm (1.50 in.)
			Rear*2	43 mm (1.69 in.)

*1: A – B:

A: Ground clearance of spindle center.

B: Ground clearance of lower suspension arm bolt center.

*2: C – D:

C: Ground clearance of rear axle shaft center.

D: Ground clearance of leaf spring front hanger pin center.

Front wheel alignment (2WD)	Vehicle height (Australia)		
	RZN147R–TRMDEQ RZN149R–TRMDKQ	Front*1 Rear*2	25 mm (0.98 in.) 39 mm (1.54 in.)
	RZN149R–TRPDKQ	Front*1 Rear*2	25 mm (0.98 in.) 40 mm (1.57 in.)
	RZN149R–PRMDKQ	Front*1 Rear*2	36 mm (1.42 in.) 42 mm (1.65 in.)
	RZN149R–PRPDKQ	Front*1 Rear*2	36 mm (1.42 in.) 43 mm (1.69 in.)
	RZN154R–CRMDKQ	Front*1 Rear*2	34 mm (1.34 in.) 44 mm (1.73 in.)
	RZN154R–CRPDKQ	Front*1 Rear*2	37 mm (1.46 in.) 44 mm (1.73 in.)
	LN147R–TRMDSQ	Front*1 Rear*2	33 mm (1.30 in.) 41 mm (1.61 in.)
	LN147R–PRMDSQ	Front*1 Rear*2	40 mm (1.57 in.) 44 mm (1.73 in.)
	LN152R–CRMDSQ	Front*1 Rear*2	35 mm (1.38 in.) 44 mm (1.73 in.)
	Vehicle height (G.C.C. Countries)		
	RZN142L–TRMDSV	Front*1 Rear*2	35 mm (1.38 in.) 42 mm (1.65 in.)
	RZN147L–TRMDSV	Front*1 Rear*2	24 mm (0.94 in.) 41 mm (1.61 in.)
	RZN147L–PRMDSV	Front*1 Rear*2	30 mm (1.18 in.) 33 mm (1.30 in.)
	RZN144L–TRMDUV RZN144L–TRMSUV	Front*1 Rear*2	34 mm (1.34 in.) 42 mm (1.65 in.)
	RZN149L–TRMSUV	Front*1 Rear*2	24 mm (0.94 in.) 41 mm (1.61 in.)
	RZN149L–PRMDUV	Front*1 Rear*2	31 mm (1.22 in.) 33 mm (1.30 in.)
	RZN149L–PRMSUV	Front*1 Rear*2	30 mm (1.18 in.) 33 mm (1.30 in.)
	LN141L–TRMDSV	Front*1 Rear*2	31 mm (1.22 in.) 42 mm (1.65 in.)
	LN146L–PRMDSV	Front*1 Rear*2	36 mm (1.42 in.) 34 mm (1.34 in.)

*1: A – B:

A: Ground clearance of spindle center.

B: Ground clearance of lower suspension arm bolt center.

*2: C – D:

C: Ground clearance of rear axle shaft center.

D: Ground clearance of leaf spring front hanger pin center.

Front wheel alignment (2WD)	Vehicle height (Others)		
	RZN142L–TRMDS	Front*1 Rear*2	33 mm (1.30 in.) 39 mm (1.54 in.)
	RZN147R(L)–TRMDS	Front*1 Rear*2	23 mm (0.91 in.) 39 mm (1.54 in.)
	RZN147R(L)–PRMDS	Front*1 Rear*2	28 mm (1.10 in.) 41 mm (1.61 in.)
	RZN149L–TRMDU	Front*1 Rear*2	22 mm (0.87 in.) 39 mm (1.54 in.)
	RZN149L–PRMDU	Front*1 Rear*2	28 mm (1.10 in.) 42 mm (1.65 in.)
	RZN149L–PRMSU	Front*1 Rear*2	38 mm (1.50 in.) 44 mm (1.73 in.)
	RZN154L–CRMDU	Front*1 Rear*2	33 mm (1.30 in.) 44 mm (1.73 in.)
	RZN148L–TRMDK	Front*1 Rear*2	23 mm (0.91 in.) 41 mm (1.61 in.)
	RZN148L–PRMDK	Front*1 Rear*2	27 mm (1.06 in.) 43 mm (1.69 in.)
	LN145R(L)–TRMDS	Front*1 Rear*2	30 mm (1.18 in.) 44 mm (1.73 in.)
	LN145(R)L–PRMDS	Front*1 Rear*2	35 mm (1.38 in.) 46 mm (1.81 in.)

*1: A – B:

A: Ground clearance of spindle center.

B: Ground clearance of lower suspension arm bolt center.

*2: C – D:

C: Ground clearance of rear axle shaft center.

D: Ground clearance of leaf spring front hanger pin center.

Front wheel alignment (2WD)	Camber		
	RZN Model (Regular cab)	Short	–0°05' ± 45' (–0.08° ± 0.75°)
		Long	–0°10' ± 45' (–0.17° ± 0.75°)
	(Double cab)	Australia	–0°05' ± 45' (–0.08° ± 0.75°)
		G.C.C. Countries	–0°05' ± 45' (–0.08° ± 0.75°)
		Others	
		Grade: Deluxe	–0°05' ± 45' (–0.08° ± 0.75°)
		Grade: SR	0° ± 45' (0° ± 0.75°)
	(Extra cab)		–0°05' ± 45' (–0.08° ± 0.75°)
		Left–right error	30' (0.5°) or less
	LN Model (Europe)	Regular cab	–0°05' ± 45' (–0.08° ± 0.75°)
		Double cab	0° ± 45' (0° ± 0.75°)
		Extra cab	0° ± 45' (0° ± 0.75°)
	(Australia)	Regular cab	–0°05' ± 45' (–0.08° ± 0.75°)
		Double cab	0° ± 45' (0° ± 0.75°)
		Extra cab	–0°05' ± 45' (–0.08° ± 0.75°)
	(G.C.C. Countries)	Regular cab	–0°05' ± 45' (–0.08° ± 0.75°)
		Double cab	0° ± 45' (0° ± 0.75°)
	(Others)		–0°05' ± 45' (–0.08° ± 0.75°)
		Left–right error	30' (0.5°) or less
	Caster		
	RZN Model (Regular cab)	Short	1° ± 45' (1° ± 0.75°)
		Long	1°20' ± 45' (1.33° ± 0.75°)
	(Double cab)	Australia	1°15' ± 45' (1.33° ± 0.75°)
		G.C.C. Countries	1°00' ± 45' (1° ± 0.75°)
		Others	
		Grade: Deluxe	1°20' ± 45' (1.33° ± 0.75°)
		Grade: SR	1°10' ± 45' (1.17° ± 0.75°)
	(Extra cab)		1°20' ± 45' (1.33° ± 0.75°)
		Left–right error	30' (0.5°) or less
	LN Model (Europe)	Regular cab	1° ± 45' (1° ± 0.75°)
		Double cab	0°50' ± 45' (0.83° ± 0.75°)
		Extra cab	1°15' ± 45' (1.25° ± 0.75°)
	(Australia)	Regular cab	1°10' ± 45' (1.17° ± 0.75°)
		Double cab	1°10' ± 45' (1.17° ± 0.75°)
		Extra cab	1°20' ± 45' (1.33° ± 0.75°)
	(G.C.C. Countries)	Regular cab	1°05' ± 45' (1.08° ± 0.75°)
		Double cab	0°55' ± 45' (0.92° ± 0.75°)
	(Others)		1°05' ± 45' (1.08° ± 0.75°)
		Left–right error	30' (0.5°) or less

Front wheel alignment (2WD)	Steering axis inclination		
	RZN Model (Regular cab)	Short	10°35' ± 45' (10.58° ± 0.75°)
		Long	10°40' ± 45' (10.67° ± 0.75°)
	(Double cab)	Australia	10°35' ± 45' (10.58° ± 0.75°)
		G.C.C. Countries	10°35' ± 45' (10.58° ± 0.75°)
		Others	
		Grade: Deluxe	10°35' ± 45' (10.58° ± 0.75°)
		Grade: SR	10°30' ± 45' (10.5° ± 0.75°)
	(Extra cab)		10°35' ± 45' (10.58° ± 0.75°)
		Left–right error	30' (0.5°) or less
	LN Model (Europe)	Regular cab	10°35' ± 45' (10.58° ± 0.75°)
		Double cab	10°30' ± 45' (10.5° ± 0.75°)
		Extra cab	10°30' ± 45' (10.5° ± 0.75°)
	(Australia)	Regular cab	10°35' ± 45' (10.58° ± 0.75°)
		Double cab	10°30' ± 45' (10.5° ± 0.75°)
		Extra cab	10°35' ± 45' (10.58° ± 0.75°)
	(G.C.C. Countries)	Regular cab	10°35' ± 45' (10.58° ± 0.75°)
		Double cab	10°30' ± 45' (10.5° ± 0.75°)
	(Others)		10°35' ± 45' (10.5° ± 0.75°)
		Left–right error	30' (0.5°) or less
	Toe–in (Total)		
	RZN Model (Regular cab)	Short	0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
		Long	0°36' ± 12' (0.6° ± 0.2°, 6 ± 2 mm, 0.24 ± 0.08 in.)
	(Double cab)	Australia	0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
		G.C.C. Countries	0°30' ± 12' (0.5° ± 0.2°, 5 ± 2 mm, 0.20 ± 0.08 in.)
		Others	
		Grade: Deluxe	0°30' ± 12' (0.5° ± 0.2°, 5 ± 2 mm, 0.20 ± 0.08 in.)
		Grade: SR	0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
	(Extra cab)		0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
		Tie rod end length difference	3.0 mm (0.12 in.) or less
	LN Model (Europe)	Regular cab	0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
		Double cab	0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
		Extra cab	0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
	(Australia)	Regular cab	0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
		Double cab	0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
		Extra cab	0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
	(G.C.C. Countries)	Regular cab	0°30' ± 12' (0.5° ± 0.2°, 5 ± 2 mm, 0.20 ± 0.08 in.)
		Double cab	0°18' ± 12' (0.3° ± 0.2°, 3 ± 2 mm, 0.12 ± 0.08 in.)
	(Others)	Regular cab	0°30' ± 12' (0.5° ± 0.2°, 5 ± 2 mm, 0.20 ± 0.08 in.)
		Double cab	0°24' ± 12' (0.4° ± 0.2°, 4 ± 2 mm, 0.16 ± 0.08 in.)
		Tie rod end length difference	3.0 mm (0.12 in.) or less
	Wheel angel		
	MS	Inside wheel	36° (34° – 37°)
		Outside wheel (Reference)	32°
	PS	Inside wheel	38° (36° – 39°)
		Outside wheel (Reference)	34°

Front wheel alignment (4WD and Prerunner)	Vehicle height (Europe)		
	RZN168L–TRMDKW(3)	Front*1 Rear*2	63 mm (2.48 in.) –106 mm (–4.17 in.)
	RZN168L–PRMDKW	Front*1 Rear*2	65 mm (2.56 in.) –100 mm (–3.94 in.)
	RZN173L–CRMDKW	Front*1 Rear*2	67 mm (2.64 in.) –97 mm (–3.82 in.)
	LN165L–TRMDXW LN165R–TRMDXW(3)	Front*1 Rear*2	65 mm (2.56 in.) –110 mm (–4.33 in.)
	LN165R(L)–PRMDXW	Front*1 Rear*2	67 mm (2.64 in.) –102 mm (–4.02 in.)
	LN165L–PRMSXW	Front*1 Rear*2	66 mm (2.60 in.) –102 mm (–4.02 in.)
	LN170L–CRMDXW	Front*1 Rear*2	67 mm (2.64 in.) –100 mm (–3.94 in.)
	Vehicle height (Australia)		
	RZN169R–TRMDKQ(3)	Front*1 Rear*2	43 mm (1.69 in.) –120 mm (–4.72 in.)
	RZN169R–PRMDKQ	Front*1 Rear*2	50 mm (1.97 in.) –111 mm (–4.37 in.)
	RZN174R–CRMDKQ	Front*1 Rear*2	66 mm (2.60 in.) –106 mm (–4.17 in.)
	LN167R–TRMDSQ(3)	Front*1 Rear*2	43 mm (1.69 in.) –119 mm (–4.68 in.)
	LN167R–PRMDSQ	Front*1 Rear*2	50 mm (1.97 in.) –110 mm (–4.33 in.)
	LN172R–CRMDSQ(3)	Front*1 Rear*2	67 mm (2.64 in.) –105 mm (–4.13 in.)
	Vehicle height (G.C.C. Countries)		
	RZN169L–TRMDUV	Front*1 Rear*2	58 mm (2.28 in.) –110 mm (–4.33 in.)
	RZN169L–PRMDUV LN166L–PRMDSV	Front*1 Rear*2	60 mm (2.36 in.) –101 mm (–3.98 in.)

*1: A – B:

A: Ground clearance of spindle center.

B: Ground clearance of lower suspension arm front bolt center.

*2: C – D:

C: Ground clearance of rear axle shaft center.

D: Ground clearance of leaf spring front hanger pin center.

Front wheel alignment (4WD and Prerunner)	Vehicle height (Others)		
	RZN169R–TRMDU	Front*1 Rear*2	43 mm (1.69 in.) –119 mm (–4.69 in.)
	RZN169L–TRMDU	Front*1 Rear*2	57 mm (2.24 in.) –110 mm (–4.33 in.)
	RZN169R–PRMDU	Front*1 Rear*2	40 mm (1.57 in.) –112 mm (–4.41 in.)
	255/70R15 112LT	Front*1 Rear*2	58 mm (2.28 in.) –104 mm (–4.09 in.)
	RZN169L–PRMDU	Front*1 Rear*2	58 mm (2.28 in.) –103 mm (–4.06 in.)
	RZN168L–TRMDK	Front*1 Rear*2	57 mm (2.24 in.) –110 mm (–4.33 in.)
	RZN168L–PRMDK	Front*1 Rear*2	58 mm (2.28 in.) –103 mm (–4.06 in.)
	LN166R–TRMDS	Front*1 Rear*2	44 mm (1.73 in.) –119 mm (–4.68 in.)
	LN166L–TRMDS	Front*1 Rear*2	44 mm (1.73 in.) –119 mm (–4.68 in.)
	LN166R–PRMDS	Front*1 Rear*2	45 mm (1.77 in.) –112 mm (–4.41 in.)
	255/70R15 112LT	Front*1 Rear*2	59 mm (2.32 in.) –103 mm (–4.06 in.)
	LN166L–PRMDS	Front*1 Rear*2	45 mm (1.77 in.) –112 mm (–4.41 in.)
	255/70R15 112LT	Front*1 Rear*2	59 mm (2.32 in.) –103 mm (–4.06 in.)
	LN171L–CRMDS	Front*1 Rear*2	67 mm (2.64 in.) –105 mm (–4.13 in.)
	RZN193L–PRMDK	Front*1 Rear*2	58 mm (2.28 in.) –106 mm (–4.17 in.)
	LN191L–PRMDS	Front*1 Rear*2	45 mm (1.77 in.) –114 mm (–4.49 in.)

*1: A – B:

A: Ground clearance of spindle center.

B: Ground clearance of lower suspension arm front bolt center.

*2: C – D:

C: Ground clearance of rear axle shaft center.

D: Ground clearance of leaf spring front hanger pin center.

Front wheel alignment (4WD and Prerunner)	Camber Left–right error	0°15' ± 45' (0.25° ± 0.75°) 30' (0.5°) or less
	Caster	
	RZN168, RZN169 Double cab, RZN193, LN171	1°10' ± 45' (1.17° ± 0.75°)
	RZN169 Regular cab, LN167 Regular cab	0°50' ± 45' (0.83° ± 0.75°)
	RZN173	1°30' ± 45' (1.5° ± 0.75°)
	RZN174, LN172	1°15' ± 45' (1.25° ± 0.75°)
	LN165, LN166 Double cab, LN167, LN191	1° ± 45' (1° ± 0.75°)
	LN166 Regular cab	0°45' ± 45' (0.75° ± 0.75°)
	LN170	1°15' ± 45' (1.33° ± 0.75°)
	Left–right error	30' (0.5°) or less
	Steering axis inclination Left–right error	12°15' ± 45' (12.25° ± 0.75°) 30' (0.5°) or less
	Toe–in. (Total)	
	RZN168 (Except Europe), RZN169, RZN193, LN166, LN167 Regular cab, RZN191	0°07' ± 5' (0.12° ± 0.08°, 3 ± 2, 0.12 ± 0.08 in.)
	RZN168 Europe, RZN173, RZN174, LN165, LN167 Double cab, LN170, LN171, LN172	0°05' ± 5' (0.08° ± 0.08°, 2 ± 2, 0.08 ± 0.08 in.)
	Tie rod end length difference	3.0 mm (0.018 in.) or less
	Wheel angle Inside wheel Outside wheel	33° (31° – 34°) 32°
	Steering knuckle stopper bolt clearance	3.0 ± 1.0 mm (0.118 ± 0.039 in.)
Front axle (2WD)	Axle hub bearing backlash Maximum	0.05 mm (0.0020 in.)
	Axle hub preload (at starting)	Oil seal friction force plus 5.9 – 17.7 N (0.6 – 1.8 kgf, 1.3 – 4.0 lbf)
Front axle (4WD and Prerunner)	Axle hub preload (at starting)	Oil seal friction force plus 10 – 38 N (1.0 – 3.9 kgf, 2.2 – 8.6 lbf)
Front axle (4WD)	Front drive shaft thrust clearance Standard Maximum	0.10 – 0.50 mm (0.0039 – 0.0197 in.) 1.0 mm (0.039 in.)
	Spacer thickness	1.80 mm (0.0709 in.) 2.25 mm (0.0886 in.)
Front drive shaft (4WD)	Drive shaft standard length	398.6 – 408.6 mm (15.693 – 16.087 in.)
Front suspension (2WD)	Torsion bar spring runout Maximum	2.0 mm (0.079 in.)
	Upper ball joint turning torque	2.0 – 3.9 N·m (20 – 40 kgf·cm, 17 – 34 in.·lbf)
	Lower ball joint turning torque	0.5 – 4.9 N·m (5 – 50 kgf·cm, 4 – 43 in.·lbf)
Front suspension (4WD and Prerunner)	Torsion bar spring runout Maximum	2.0 mm (0.079 in.)
	Lower ball joint turning torque	2.9 – 5.9 N·m (30 – 60 kgf·cm, 26 – 52 in.·lbf)
Rear axle	Axle hub bearing backlash Maximum	0.7 mm (0.027 in.)
	Shaft runout Maximum	2.0 mm (0.079 in.)
	Flange runout Maximum	0.1 mm (0.004 in.)

Front differential (4WD)	Companion flange vertical runout	Maximum	0.10 mm (0.0039 in.)
	Companion flange lateral runout	Maximum	0.10 mm (0.0039 in.)
	Drive pinion bearing preload (at starting)	New bearing	1.2 – 1.9 N·m (12 – 19 kgf·cm, 10.4 – 16.5 in.·lbf)
		Reused bearing	0.6 – 1.0 N·m (6 – 10 kgf·cm, 5.2 – 8.7 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Pinion gear to side gear backlash		0.05 – 0.20 mm (0.0020 – 0.0079 in.)
	Drive pinion to ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0070 in.)
	Ring gear runout	Maximum	0.07 mm (0.0028 in.)
	Rear oil seal drive in depth		1.5 mm (0.059 in.)
	Side gear shaft tube LH side oil seal drive in depth		2.5 mm (0.098 in.)
	A.D.D. sleeve fork to clutch sleeve clearance		0.35 mm (0.0138 in.)
	Differential bearing press in depth		2.0 mm (0.079 in.)
	Side gear thrust washer thickness		0.96 – 1.04 mm (0.0378 – 0.0409 in.)
			1.06 – 1.14 mm (0.0417 – 0.0449 in.)
			1.16 – 1.24 mm (0.0457 – 0.0488 in.)
			1.26 – 1.34 mm (0.0496 – 0.0528 in.)
	Side bearing thrust washer thickness		2.57 – 2.59 mm (0.1012 – 0.1020 in.)
			2.60 – 2.62 mm (0.1024 – 0.1031 in.)
			2.63 – 2.65 mm (0.1035 – 0.1043 in.)
			2.66 – 2.68 mm (0.1047 – 0.1055 in.)
			2.69 – 2.71 mm (0.1059 – 0.1067 in.)
			2.72 – 2.74 mm (0.1071 – 0.1079 in.)
			2.75 – 2.77 mm (0.1083 – 0.1091 in.)
			2.78 – 2.80 mm (0.1094 – 0.1102 in.)
			2.81 – 2.83 mm (0.1106 – 0.1114 in.)
			2.84 – 2.86 mm (0.1118 – 0.1126 in.)
			2.87 – 2.89 mm (0.1130 – 0.1138 in.)
			2.90 – 2.92 mm (0.1142 – 0.1150 in.)
			2.93 – 2.95 mm (0.1154 – 0.1161 in.)
			2.96 – 2.98 mm (0.1165 – 0.1173 in.)
			2.99 – 3.01 mm (0.1177 – 0.1185 in.)
			3.02 – 3.04 mm (0.1189 – 0.1197 in.)
			3.05 – 3.07 mm (0.1201 – 0.1209 in.)
			3.08 – 3.10 mm (0.1213 – 0.1220 in.)
			3.11 – 3.13 mm (0.1224 – 0.1232 in.)
			3.14 – 3.16 mm (0.1236 – 0.1244 in.)
			3.17 – 3.19 mm (0.1248 – 0.1256 in.)
			3.20 – 3.22 mm (0.1260 – 0.1268 in.)
			3.23 – 3.25 mm (0.1272 – 0.1280 in.)

Front differential (4WD)	Drive pinion bearing washer thickness	2.23 – 2.25 mm (0.0878 – 0.0886 in.)
		2.26 – 2.28 mm (0.0890 – 0.0898 in.)
		2.29 – 2.31 mm (0.0902 – 0.0909 in.)
		2.32 – 2.34 mm (0.0913 – 0.0921 in.)
		2.35 – 2.37 mm (0.0925 – 0.0933 in.)
		2.38 – 2.40 mm (0.0937 – 0.0945 in.)
		2.41 – 2.43 mm (0.0949 – 0.0957 in.)
		2.44 – 2.46 mm (0.0961 – 0.0969 in.)
		2.47 – 2.49 mm (0.0972 – 0.0980 in.)
		2.50 – 2.52 mm (0.0984 – 0.0922 in.)
		2.53 – 2.55 mm (0.0996 – 0.1003 in.)
		2.56 – 2.58 mm (0.1008 – 0.1016 in.)
		2.59 – 2.61 mm (0.1020 – 0.1028 in.)
		2.62 – 2.64 mm (0.1031 – 0.1039 in.)
		2.65 – 2.67 mm (0.1043 – 0.1051 in.)
		2.68 – 2.70 mm (0.1055 – 0.1063 in.)
		2.71 – 2.73 mm (0.1067 – 0.1075 in.)

Rear differential	Companion flange vertical runout	Maximum	0.10 mm (0.0039 in.)
	Companion flange horizontal runout	Maximum	0.10 mm (0.0039 in.)
	Drive pinion bearing preload (at starting)	New bearing	1.9 – 2.6 N·m (19 – 26 kgf·cm, 16.4 – 22.6 in.·lbf)
		Reused bearing	0.9 – 1.3 N·m (9 – 13 kgf·cm, 7.8 – 11.3 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Drive pinion to ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0071 in.)
	Side gear backlash		0 05 – 0.20 mm (0.0020 – 0.0079 in.)
	Ring gear runout	Maximum	0.10 mm (0.0039 in.)
	Differential case runout	Maximum	0.07 mm (0.0028 in.)
	Drive pinion oil seal drive in depth		1.0 mm (0.039 in.)
	Side gear thrust washer thickness		1.57 – 1.63 mm (0.062 – 0.064 in.)
			1.67 – 1.73 mm (0.066 – 0.068 in.)
			1.77 – 1.83 mm (0.070 – 0.072 in.)
	Drive pinion bearing washer thickness		1.69 – 1.71 mm (0.0655 – 0.0673 in.)
			1.72 – 1.74 mm (0.0677 – 0.0685 in.)
			1.75 – 1.77 mm (0.0689 – 0.0697 in.)
			1.78 – 1.80 mm (0.0701 – 0.0709 in.)
			1.81 – 1.83 mm (0.0713 – 0.0720 in.)
			1.84 – 1.86 mm (0.0724 – 0.0732 in.)
			1.87 – 1.89 mm (0.0736 – 0.0744 in.)
			1.90 – 1.92 mm (0.0748 – 0.0756 in.)
			1.93 – 1.95 mm (0.0760 – 0.0768 in.)
			1.96 – 1.98 mm (0.0772 – 0.0780 in.)
			1.99 – 2.01 mm (0.0783 – 0.0791 in.)
			2.02 – 2.04 mm (0.0795 – 0.0803 in.)
			2.05 – 2.07 mm (0.0807 – 0.0815 in.)
			2.08 – 2.10 mm (0.0819 – 0.0827 in.)
			2.11 – 2.13 mm (0.0831 – 0.0839 in.)
			2.14 – 2.16 mm (0.0843 – 0.0850 in.)
			2.17 – 2.19 mm (0.0854 – 0.0862 in.)
			2.20 – 2.22 mm (0.0866 – 0.0874 in.)
			2.23 – 2.25 mm (0.0878 – 0.0886 in.)
			2.26 – 2.28 mm (0.0890 – 0.0898 in.)
			2.29 – 2.31 mm (0.0902 – 0.0909 in.)
			2.32 – 2.34 mm (0.0913 – 0.0921 in.)

Rear differential (G.C.C. Countries 2WD)	Companion flange vertical runout	Maximum	0.09 mm (0.0035 in.)
	Companion flange lateral runout	Maximum	0.09 mm (0.0035 in.)
	Drive pinion bearing preload (at starting)	New bearing	1.0 – 1.6 N·m (10 – 16 kgf·cm, 8.7 – 13.9 in.·lbf)
		Reused bearing	0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Side gear backlash		0.05 – 0.20 mm (0.0020 – 0.0079 in.)
	Ring gear backlash		0.08 – 0.13 mm (0.0031 – 0.0051 in.)
	Drive pinion oil seal drive in depth		0.5 mm (0.020 in.)
	Ring gear runout	Maximum	0.05 mm (0.0020 in.)
	Differential case runout	Maximum	0.04 mm (0.0016 in.)
	Differential side gear thrust washer thickness		1.50 mm (0.0590 in.)
			1.55 mm (0.0610 in.)
			1.60 mm (0.0630 in.)
			1.65 mm (0.0650 in.)
			1.70 mm (0.0669 in.)
			1.75 mm (0.0689 in.)
			1.80 mm (0.0709 in.)
			1.85 mm (0.0728 in.)
			1.90 mm (0.0748 in.)
	Side bearing adjusting washer thickness		58 2.58 mm (0.1015 in.)
			60 2.60 mm (0.1024 in.)
			62 2.62 mm (0.1031 in.)
			64 2.64 mm (0.1039 in.)
			66 2.66 mm (0.1047 in.)
			68 2.68 mm (0.1055 in.)
			70 2.70 mm (0.1063 in.)
			72 2.72 mm (0.1071 in.)
			74 2.74 mm (0.1079 in.)
			76 2.76 mm (0.1087 in.)
			78 2.78 mm (0.1094 in.)
			80 2.80 mm (0.1102 in.)
			82 2.82 mm (0.1110 in.)
			84 2.84 mm (0.1118 in.)
			86 2.86 mm (0.1126 in.)
			88 2.88 mm (0.1134 in.)
			90 2.90 mm (0.1142 in.)
			92 2.92 mm (0.1150 in.)
			94 2.94 mm (0.1157 in.)
			96 2.96 mm (0.1165 in.)
			98 2.98 mm (0.1173 in.)
			00 3.00 mm (0.1181 in.)
			02 3.02 mm (0.1189 in.)
			04 3.04 mm (0.1197 in.)
			06 3.06 mm (0.1205 in.)
			08 3.08 mm (0.1213 in.)

Rear differential (G.C.C. Countries 2WD)	Side bearing adjusting washer thickness	10	3.10 mm (0.1220 in.)
		12	3.12 mm (0.1228 in.)
		14	3.14 mm (0.1236 in.)
		16	3.16 mm (0.1244 in.)
		18	3.18 mm (0.1252 in.)
		20	3.20 mm (0.1260 in.)
		22	3.22 mm (0.1268 in.)
		24	3.24 mm (0.1276 in.)
		26	3.26 mm (0.1283 in.)
		28	3.28 mm (0.1291 in.)
		30	3.30 mm (0.1299 in.)
		32	3.32 mm (0.1307 in.)
		34	3.34 mm (0.1315 in.)
		36	3.36 mm (0.1323 in.)
		38	3.38 mm (0.1331 in.)
		40	3.40 mm (0.1339 in.)
		42	3.42 mm (0.1346 in.)
		44	3.44 mm (0.1354 in.)
		46	3.46 mm (0.1362 in.)
		48	3.48 mm (0.1370 in.)
	Drive pinion bearing adjusting washer thickness	87	1.87 mm (0.0736 in.)
		88	1.88 mm (0.0740 in.)
		89	1.89 mm (0.0744 in.)
		90	1.90 mm (0.0748 in.)
		91	1.91 mm (0.0752 in.)
		92	1.92 mm (0.0756 in.)
		93	1.93 mm (0.0760 in.)
		94	1.94 mm (0.0764 in.)
		95	1.95 mm (0.0768 in.)
		96	1.96 mm (0.0772 in.)
		97	1.97 mm (0.0776 in.)
		98	1.98 mm (0.0780 in.)
		99	1.99 mm (0.0783 in.)
		00	2.00 mm (0.0787 in.)
		01	2.01 mm (0.0791 in.)
		02	2.02 mm (0.0795 in.)
		03	2.03 mm (0.0799 in.)
		04	2.04 mm (0.0803 in.)
		05	2.05 mm (0.0807 in.)
		06	2.06 mm (0.0811 in.)
		07	2.07 mm (0.0815 in.)
		08	2.08 mm (0.0819 in.)
		09	2.09 mm (0.0823 in.)
		10	2.10 mm (0.0827 in.)

Rear differential (G.C.C. Countries 2WD)	Drive pinion bearing adjusting washer thickness	11	2.11 mm (0.0831 in.)
		12	2.12 mm (0.0835 in.)
		13	2.13 mm (0.0839 in.)
		14	2.14 mm (0.0843 in.)
		15	2.15 mm (0.0846 in.)
		16	2.16 mm (0.0850 in.)
		17	2.17 mm (0.0854 in.)
		18	2.18 mm (0.0858 in.)
		19	2.19 mm (0.0862 in.)
		20	2.20 mm (0.0866 in.)
		21	2.21 mm (0.0870 in.)
		22	2.22 mm (0.0874 in.)
		23	2.23 mm (0.0878 in.)
		24	2.24 mm (0.0882 in.)
		25	2.25 mm (0.0886 in.)
		26	2.26 mm (0.0890 in.)
		27	2.27 mm (0.0894 in.)
		28	2.28 mm (0.0898 in.)

Rear differential (w/ Diff. lock)	Companion flange vertical runout	Maximum	0.10 mm (0.0039 in.)
	Companion horizontal lateral runout	Maximum	0.10 mm (0.0039 in.)
	Drive pinion preload (at starting)	New bearing	0.9 – 1.6 N·m (10 – 16 kgf·cm, 8.7 – 13.9 in.·lbf)
		Reused bearing	0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0071 in.)
	Side gear backlash		0.05 – 0.20 mm (0.0020 – 0.0079 in.)
	Ring gear runout	Maximum	0.10 mm (0.0039 in.)
	Differential case runout	Maximum	0.07 mm (0.0028 in.)
	Drive pinion oil seal drive in depth		1.0 mm (0.039 in.)
	Diff. lock shift fork to sleeve clearance		0.15 – 0.35 mm (0.006 – 0.014 in.)
	Side gear thrust washer thickness		0.88 – 0.92 mm (0.0346 – 0.0362 in.)
			0.98 – 1.02 mm (0.0386 – 0.0402 in.)
			1.08 – 1.12 mm (0.0425 – 0.0441 in.)
			1.18 – 1.22 mm (0.0465 – 0.0480 in.)
			1.28 – 1.32 mm (0.0504 – 0.0521 in.)
	Drive pinion bearing washer thickness		1.69 – 1.71 mm (0.0655 – 0.0673 in.)
			1.72 – 1.74 mm (0.0677 – 0.0685 in.)
			1.75 – 1.77 mm (0.0689 – 0.0697 in.)
			1.78 – 1.80 mm (0.0701 – 0.0709 in.)
			1.81 – 1.83 mm (0.0713 – 0.0720 in.)
			1.84 – 1.86 mm (0.0724 – 0.0732 in.)
			1.87 – 1.89 mm (0.0736 – 0.0744 in.)
			1.90 – 1.92 mm (0.0748 – 0.0756 in.)
			1.93 – 1.95 mm (0.0760 – 0.0768 in.)
			1.96 – 1.98 mm (0.0772 – 0.0780 in.)
			1.99 – 2.01 mm (0.0783 – 0.0791 in.)
			2.02 – 2.04 mm (0.0795 – 0.0803 in.)
			2.05 – 2.07 mm (0.0807 – 0.0815 in.)
			2.08 – 2.10 mm (0.0819 – 0.0827 in.)
			2.11 – 2.13 mm (0.0831 – 0.0839 in.)
			2.14 – 2.16 mm (0.0843 – 0.0850 in.)
			2.17 – 2.19 mm (0.0854 – 0.0862 in.)
			2.20 – 2.22 mm (0.0866 – 0.0874 in.)
			2.23 – 2.25 mm (0.0878 – 0.0886 in.)
			2.26 – 2.28 mm (0.0890 – 0.0898 in.)
			2.29 – 2.31 mm (0.0902 – 0.0909 in.)
			2.32 – 2.34 mm (0.0913 – 0.0921 in.)

Rear differential (w/ LSD)	Companion flange vertical runout	Maximum	0.10 mm (0.0039 in.)
	Companion horizontal lateral runout	Maximum	0.10 mm (0.0039 in.)
	Drive pinion preload (at starting)	New bearing	0.9 – 1.6 N·m (10 – 16 kgf·cm, 8.7 – 13.9 in.·lbf)
		Reused bearing	0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Drive pinion oil seal drive in depth	Maximum	1.0 mm (0.039 in.)
	Ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0071 in.)
	Side gear backlash		0.05 – 0.20 mm (0.0020 – 0.0079 in.)
	Ring gear runout	Maximum	0.07 mm (0.0028 in.)
	Differential case runout	Maximum	0.07 mm (0.0028 in.)
	Side gear thrust washer thickness (for reference)		1.77 – 1.86 mm (0.0697 – 0.0732 in.)
	Clutch plate thickness (for reference)		1.57 – 1.63 mm (0.0618 – 0.0642 in.)
	Compression spring free length (for reference)		27.0 mm (1.063 in.)
	Adjusting shim thickness		0.15 mm (0.0059 in.)
			0.20 mm (0.0079 in.)
			0.25 mm (0.0098 in.)
			0.30 mm (0.0118 in.)
			0.35 mm (0.0138 in.)
	Drive pinion bearing washer thickness		1.69 – 1.71 mm (0.0655 – 0.0673 in.)
			1.72 – 1.74 mm (0.0677 – 0.0685 in.)
			1.75 – 1.77 mm (0.0689 – 0.0697 in.)
			1.78 – 1.80 mm (0.0701 – 0.0709 in.)
			1.81 – 1.83 mm (0.0713 – 0.0720 in.)
			1.84 – 1.86 mm (0.0724 – 0.0732 in.)
			1.87 – 1.89 mm (0.0736 – 0.0744 in.)
			1.90 – 1.92 mm (0.0748 – 0.0756 in.)
			1.93 – 1.95 mm (0.0760 – 0.0768 in.)
			1.96 – 1.98 mm (0.0772 – 0.0780 in.)
			1.99 – 2.01 mm (0.0783 – 0.0791 in.)
			2.02 – 2.04 mm (0.0795 – 0.0803 in.)
			2.05 – 2.07 mm (0.0807 – 0.0815 in.)
			2.08 – 2.10 mm (0.0819 – 0.0827 in.)
			2.11 – 2.13 mm (0.0831 – 0.0839 in.)
			2.14 – 2.16 mm (0.0843 – 0.0850 in.)
			2.17 – 2.19 mm (0.0854 – 0.0862 in.)
			2.20 – 2.22 mm (0.0866 – 0.0874 in.)
			2.23 – 2.25 mm (0.0878 – 0.0886 in.)
			2.26 – 2.28 mm (0.0890 – 0.0898 in.)
			2.29 – 2.31 mm (0.0902 – 0.0909 in.)
			2.32 – 2.34 mm (0.0913 – 0.0921 in.)

SS0ER–01

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Front (2WD)				
Steering knuckle stopper bolt lock nut		34	350	25
Tie rod clamp lock nut		25	260	19
Hub nut	Australia gasoline engine	150	1,500	108
	Others	140	1,400	101
Steering knuckle x Upper ball joint		110	1,100	80
Steering knuckle x Lower ball joint		140	1,450	105
Steering knuckle x Brake caliper		107	1,090	79
Flexible hose bracket set bolt		19	195	14
Dust cover x Steering knuckle arm	Bolt	19	195	14
	Nut	110	1,100	80
Dust cover x Steering knuckle		19	195	14
Disc x Axle hub		64	650	47
Upper suspension arm x Upper ball joint		31	320	23
Lower suspension arm x Lower ball joint		130	1,300	94
Torque arm x Lower suspension arm		49	500	36
Shock absorber x Frame		25	250	18
Lower suspension arm x Shock absorber		18	185	13
Lower suspension arm x Stabilizer bar link		13	130	9
Lower suspension arm shaft nut		225	2,300	166
Spring bumper set nut		13	130	9
Upper suspension arm shaft x Frame		96	980	71
Upper suspension arm shaft x Upper suspension arm				
	Rubber bushing type	125	1,280	93
	Screw bushing type	230	2,350	170
Strut bar x Lower suspension arm		95	970	70
Strut bar x Frame		125	1,250	90
Stabilizer bar link set nut		13	130	9
Stabilizer bar bracket x Frame		29	300	22
Hub nut		105	1,050	76
ABS speed sensor x Steering knuckle		8.0	82	71 in.·lbf
ABS Speed sensor wire harness x Upper suspension arm		8.0	82	71 in.·lbf
Front (4WD and Prerunner)				
Steering knuckle stopper bolt lock nut		72	730	53
Pitman arm stopper bolt lock nut		72	730	53
Idler arm stopper bolt lock nut		72	730	53
Tie rod clamp set nut		22	225	16
ABS speed sensor x Steering knuckle		8.0	82	71 in.·lbf
ABS speed sensor wire harness		8.0	82	71 in.·lbf
Steering knuckle x Upper ball joint		145	1,450	105
Steering knuckle x Lower ball joint		58	590	43
Steering knuckle x Brake caliper		123	1,250	90
Brake line		15	155	11

Part tightened		N·m	kgf·cm	ft·lbf
Flange x Axle hub	4WD	31	315	23
	Prerunner	12	120	9
Flange x Front drive shaft	4WD	18	185	13
Flange x Free wheel hub body		10	100	7
Disc x Axle hub		64	650	47
Axle hub bearing lock nut		47	480	35
Oil seal x Dust cover		18	185	13
Upper suspension arm x Upper ball joint		33	340	25
Lower suspension arm x Lower ball joint		145	1,450	105
Steering knuckle arm x Steering knuckle		185	1,870	135
Pressure feed tube bracket set bolt		29	295	21
Upper suspension arm x Torque arm		87	890	64
Frame x Insulator		18	185	13
Upper suspension arm shaft lock nut		225	2,300	166
Shock absorber x Frame		25	250	18
Lower suspension arm x Shock absorber		140	1,400	101
Lower suspension arm x Stabilizer bar		26	260	19
Stabilizer bar bracket x Frame		29	300	22
Front drive shaft x Side gear shaft		83	845	61
Lower suspension arm x Frame		195	2,000	145
Upper suspension arm shaft x Frame		175	1,810	131
Front differential front mounting bolt		147	1,500	108
Front differential lower mounting set bolt		167	1,700	123
LH and RH front differential support set bolt		78	800	58
Differential x Propeller shaft		74	750	54
Drain plug		49	500	36
Filler plug		39	400	29
Ring gear x Differential case		97	985	71
Differential carrier x Bearing cap		78	800	58
Differential carrier cover x Differential carrier		47	475	34
Drive pinion x Companion flange	STD	108	1,100	80
	Maximum	235	2,400	173
Differential tube x Differential carrier	w/o A.D.D.	88	900	65
Actuator x Clutch case cover	w/ A.D.D.	21	210	15
Screw plug x A.D.D. actuator	w/ A.D.D.	20	200	14
A.D.D. indicator switch x Clutch case cover	w/ A.D.D.	40	410	30
Carrier cover x Oil deflector	w/ A.D.D.	7.4	75	65 in.·lbf
Clutch case x Tube	w/ A.D.D.	78	800	58
Clutch case cover x Clutch case	w/ A.D.D.	21	210	15
Tube x Bearing retainer	w/ A.D.D.	12	120	9
Differential carrier x Tube	w/ A.D.D.	78	800	58
Clutch case x Differential carrier	w/ A.D.D.	78	800	58

Part tightened		N·m	kgf·cm	ft·lbf
Rear				
Hub nut	2WD Australia	150	1,500	108
	Others	140	1,400	101
	4WD and Prerunner	105	1,050	76
ABS speed sensor x Rear axle housing		8.0	82	71 in.·lbf
Rear axle housing x Rear brake assembly		69	700	51
Parking brake cable x Backing plate		9.0	95	80 in.·lbf
Brake line		15	155	11
Rear shock absorber x Spring seat	2WD	26	260	19
	4WD and Prerunner	71	730	53
Rear shock absorber x Frame	2WD	26	260	19
	4WD and Prerunner	71	730	53
Parking brake cable set bolt		25	260	18
U–bolt x Spring seat		120	1,250	90
Hanger pin lock bolt		26	260	19
Hanger pin x Frame	2WD G.C.C. Countries double cab and 4WD	155	1,600	116
	Others	91	930	67
Shackle pin x Leaf spring		91	930	67
Leaf spring center bolt	2WD	29	300	22
	4WD and Prerunner	44	450	33
Spring bumper seat set bolt	2WD	29	300	22
Dynamic damper set bolt	2WD	24	250	18
	4WD	18	185	13
Rear differential				
Differential x Propeller shaft		74	750	54
Differential carrier x Axle housing		27	280	20
Differential carrier x Bearing cap		78	800	58
Differential case x Ring gear		97	985	71
Drive pinion x Companion flange	STD	108	1,100	80
	Maximum	343	3,500	253
Adjusting nut lock x Bearing cap		13	130	9
Drain plug, Filler plug		49	500	36
Rear differential (G.C.C. countries 2WD)				
Differential x Propeller shaft		74	750	54
Differential carrier x Axle housing		73	740	54
Differential carrier x Bearing cap		113	1,150	83
Differential case x Ring gear		125	1,270	92
Drive pinion x Companion flange	STD	147	1,500	109
	Maximum	451	4,600	333
Drain plug, Filler plug		49	500	36

Part tightened		N·m	kgf·cm	ft·lbf
Rear differential (w/ Diff. lock)				
Differential x Propeller shaft		74	750	56
Differential carrier x Axle housing		27	280	20
Differential carrier x Bearing cap		78	800	58
Differential case x Ring gear		97	985	71
Adjusting nut lock x Bearing cap		13	130	9
Differential RH case x Differential LH case		47	480	35
Differential carrier x Diff. lock indicator switch		40	410	30
Differential carrier x Shaft retainer		24	240	17
Drive pinion x Companion flange	STD	196	2,000	145
	Maximum	343	3,500	253
Differential carrier x Screw plug		22	220	16
Differential carrier x Actuator		26	270	20
Drain plug, Filler plug		49	500	36
Rear differential (w/ LSD)				
Differential x Propeller shaft		74	750	54
Differential carrier x Axle housing		74	750	54
Differential carrier x Bearing cap		85	870	63
Differential RH case x Differential LH case		47	480	35
Differential case x Ring gear		97	985	71
Drive pinion x Companion flange	STD	196	2,000	145
	Maximum	343	3,500	253
Adjusting nut lock x Bearing cap		13	130	9
Drain plug, Filler plug		49	500	36