

TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
Front (2WD):			
Axle hub x Disc	64	650	47
Hub nut	110	1,150	83
Tie rod end lock nut	54	550	40
Steering knuckle x Upper ball joint	110	1,100	80
Steering knuckle x Lower ball joint	160	1,600	116
Tie rod end x Lower ball joint	72	730	53
Steering knuckle x Dust cover	8.3	85	74 in.-lbf
Steering knuckle x Brake caliper	108	1,100	80
Upper suspension arm x Upper ball joint	39	400	29
Lower suspension arm x Spring bumper	43	440	32
Lower suspension arm x Lower suspension arm No. 3	150	1,530	111
Shock absorber x Frame	25	250	18
Lower suspension arm x Shock absorber	39	400	29
Lower suspension arm x Stabilizer bar bolt	39	400	29
Lower suspension arm x Frame	200	2,050	148
Upper suspension arm shaft x Frame	130	1,300	94
Upper suspension arm shaft x Upper suspension arm	125	1,270	92
Lower suspension arm No. 3 x Lower ball joint	110	1,100	80
Lower suspension arm x Strut bar	150	1,530	111
Strut bar x Frame	300	3,050	221
Stabilizer bar bracket x Frame	29	300	22
ABS speed sensor x Steering knuckle	8.0	82	71 in.-lbf
ABS speed sensor wire clamp x Steering knuckle	8.0	82	71 in.-lbf
ABS speed sensor wire clamp x Upper suspension arm	8.0	82	71 in.-lbf
Front (4WD and pre runner):			
Hub nut	110	1,150	83
Tie rod end lock nut	55	560	41
Steering knuckle x Lower ball joint	80	820	59
Tie rod end x Lower ball joint	90	930	67
Steering knuckle x Brake caliper	123	1,250	90
Steering knuckle x Dust cover	18	185	13
Flexible hose x Brake caliper	30	310	22
Drive shaft x Axle hub (w/o Free wheel hub)	235	2,400	174
Axle hub bearing lock nut (w/ Free wheel hub and pre runner)	274	2,800	203
Free wheel hub cover x Free wheel hub body	10	100	7
Free wheel hub body x Axle hub	31	315	23
Upper suspension arm x Upper ball joint	105	1,100	80
Lower suspension arm x Frame	130	1,325	96
Lower suspension arm x Lower ball joint	140	1,450	103
Lower suspension arm x No. 1, No. 2 spring bumper	31 (23)	315 (235)	23 (17)

() For use with SST

Upper suspension arm x Frame		115	1,200	87
Frame x Suspension support		64	650	47
Shock absorber x Suspension support		29	300	22
Lower suspension arm x Shock absorber		135	1,400	101
Lower suspension arm x Stabilizer bar link		69	700	51
Stabilizer bar x Stabilizer bar link		29	300	22
Stabilizer bar bracket x Frame		25	260	19
ABS speed sensor x Steering knuckle		8.0	82	71 in.-lbf
ABS speed sensor wire clamp x Steering knuckle		8.0	82	71 in.-lbf
ABS speed sensor wire clamp x Upper suspension arm		8.0	82	71 in.-lbf
Front differential				
Drive pinion x Companion flange	STD	108	1,100	80
	Maximum	223	2,275	165
Differential front mounting cushion x Frame		137	1,400	101
Differential rear mounting cushion x Frame		87	890	64
Differential front mounting cushion x Differential		157	1,600	116
Differential rear mounting cushion x Differential		108	1,100	80
Ring gear x Differential case		97	985	71
Differential carrier x Differential tube	w/o A.D.D.	105	1,070	77
	w/ A.D.D.	78	800	58
Differential carrier x Side bearing retainer		69	700	51
Differential x Front propeller shaft		74	750	54
A.D.D. clutch case x Differential		78	800	58
A.D.D. clutch case x Differential tube		78	800	58
A.D.D. actuator x A.D.D. clutch case		21	210	15
Screw plug x Clutch case cover		20	200	14
Screw plug x A.D.D. actuator		13	130	9
A.D.D. switch x Clutch case cover		40	410	30
Differential carrier x Tube		13	130	9
Drain plug		65	660	48
Filler plug		39	400	29

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Part tightened		N-m	kgf-cm	ft-lbf
Rear:				
Hub nut		110	1,150	83
Axle housing x Backing plate		68	700	50
Parking brake cable x Backing plate	2WD	9.3	95	82 in.-lbf
Parking brake cable clamp set bolt	2WD	26	260	19
Shock absorber x Spring seat	2WD	26	260	19
	4WD	71	730	53
Shock absorber x Frame	2WD	26	260	19
	4WD	71	730	53
Brake line union nut		15	155	11
U-bolt x Spring seat		123	1,250	90
Leaf spring hanger pin bolt x Frame		157	1,600	116
Shackle pin x Leaf spring		92	930	67
Shackle pin x Frame		92	930	67
Leaf spring center bolt		44	450	33
Spring bumper x Frame	2WD only	29	300	22
ABS speed sensor x Axle housing		8.0	82	71 in.-lbf
Rear differential (2RZ-FE)				
Differential x Propeller shaft		74	750	56
Differential carrier x Axle housing		25	250	18
Differential carrier x Bearing cap		85	870	63
Differential case x Ring gear		97	985	71
Drive pinion x Companion flange	STD	108	1,100	80
	Maximum	235	2,400	174
Adjusting nut lock x Bearing cap		13	130	9
Drain plug, Filler plug		49	500	36
Rear differential (3RZ-FE, 5VZ-FE, w/o Diff. lock)				
Differential x Propeller shaft		74	750	56
Differential carrier x Axle housing		73	740	54
Differential carrier x Bearing cap		113	1,150	83
Drive pinion x Companion flange	STD	147	1,500	109
	Maximum	451	4,600	333
Differential case x Ring gear		125	1,270	92
Drain plug, Filler plug		49	500	36
Rear differential (3RZ-FE, 5VZ-FE w/ Diff. lock)				
Differential x Propeller shaft		74	750	56
Differential carrier x Axle housing		25	250	18
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	31
Differential carrier x Shaft retainer		24	240	17

Part tightened		N-m	kgf-cm	ft-lbf
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