

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
Stabilizer bar link x Stabilizer bar	29.5	300	22
Stabilizer bar link x Lower suspension arm	90	920	66
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 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	235	2,400	174
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)
Upper suspension arm x Frame	115	1,200	87
Frame x Suspension support	64	650	47
Shock absorber x Suspension support	29	300	22

() For use with SST

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Part tightened	N-m	kgf-cm	ft-lbf
Lower suspension arm x Shock absorber	135	1,400	101
Stabilizer bar link x Stabilizer bar	69	700	51
Stabilizer bar link x Lower suspension arm	90	920	66
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	See page SA-55		
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	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
Differential carrier x Tube	13	130	9
Drain plug	65	660	48
Filler plug	39	400	29
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 and pre runner 71	730	53
Shock absorber x Frame	2WD 26	260	19
	4WD and pre runner 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

Part tightened	N-m	kgf-cm	ft-lbf
Drive pinion x Companion flange	See page SA-149		
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	See page SA-166		
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
Drive pinion x Companion flange	See page SA-185		
Differential carrier x Screw plug	22	220	16
Differential carrier x Actuator	26	270	20
Drain plug, Filler plug	49	500	36