

# TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
FRONT AXLE HUB (RFS)			
Hub bolt	209	2,131	154
Steering knuckle x Brake caliper	123	1,250	90
Flexible hose x Brake caliper	30	310	22
Flange x Axle hub	33	335	24
Axle hub bearing lock nut	64	650	47
Disc x Axle hub	74	750	54
Axle hub bearing adjusting nut	See page SA-18		
Tie rod clamp	37	375	27
FRONT AXLE HUB (IFS)			
Hub bolt	Steel wheel	209	2,131
	Aluminum wheel	131	1,340
Steering knuckle x Brake caliper	123	1,250	90
Flexible hose x Bracket	28	290	21
Flange x Axle hub	33	335	24
Axle hub bearing lock nut	64	650	47
Disc x Axle hub	74	750	54
FREE WHEEL HUB			
Free wheel hub body x Axle hub	33	335	24
Free wheel hub cover set bolt	10	100	7
STEERING KNUCKLE (IFS)			
ABS speed sensor installation bolt	8.0	82	71 in.·lbf
Wire harness x Steering knuckle arm	13	130	9
Bracket x Steering knuckle	28	290	21
Steering knuckle arm x Tie rod end	122	1,250	90
Steering knuckle x Upper suspension arm	110	1,125	81
Steering knuckle x Lower suspension arm	159	1,625	118
Steering knuckle arm x Steering knuckle	147	1,500	108
Oil seal x Steering knuckle	18	185	13
STEERING KNUCKLE AND AXLE SHAFT (RFS)			
Steering knuckle stopper bolt	44	450	33
Steering knuckle x Knuckle arm	96	980	71
Bearing cap x Steering knuckle	96	980	71
Knuckle arm x Tie rod	91	925	67
Steering knuckle x Knuckle spindle	47	475	34
Oil seal end retainer x Steering knuckle	5.4	55	48 in.·lbf
ABS speed sensor installation bolt	8.0	82	71 in.·lbf
FRONT DIFFERENTIAL CARRIER (RFS)			
Filler plug	49	500	36
Drain plug	49	500	36
Propeller shaft x Companion flange	80	820	59
Side bearing cap x Differential carrier	78	800	58
Ring gear x Differential case	97	985	71

## SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Companion flange x Drive pinion	See page SA-74		
Differential LH case x RH case	47	480	35
Differential lock shaft retainer	24	240	17
Differential lock straight screw plug	22	220	16
Differential lock position switch	40	410	30
Differential lock actuator set bolt	24	240	17
Differential carrier x Axle housing	27	280	20
Adjusting nut lock x Bearing cap	13	130	9
Shift fork set bolt	20	200	14
Actuator protector x Actuator	15	150	11
FRONT DIFFERENTIAL CARRIER (IFS)			
Filler plug	49	500	36
Drain plug	49	500	36
Propeller shaft x Companion flange	80	820	59
No. 3 frame crossmember x Body	68	695	50
No. 3 frame crossmember x Differential support	186	1,900	137
Differential support x Differential tube	186	1,900	137
Differential support x Body	186	1,900	137
Differential support x Differential carrier	78	800	58
Differential carrier cover x Body	186	1,900	137
Breather hose x Differential carrier cover	17	173	13
Differential tube x Differential carrier	105	1,070	77
Bearing cap x Differential carrier	85	870	63
Oil deflector x Differential carrier cover	7.3	74	64 in.·lbf
Differential carrier cover x Differential carrier	47	475	34
Differential case x Ring gear	97	985	71
Companion flange x Drive pinion	See page SA-99		
FRONT SHOCK ABSORBER (IFS)			
Lower suspension arm x Shock absorber	135	1,400	101
Pressure hose x Cushion	18	185	13
Piston rod x Cushion	68	700	51
COIL SPRING AND FRONT SHOCK ABSORBER (RFS)			
Follow spring x Frame	9.2	94	82 in.·lbf
Shock absorber x Axle housing	69	700	51
Shock absorber x Frame	69	700	51
FRONT TORSION BAR SPRING (IFS)			
Torque arm x Body	225	2,300	166
FRONT UPPER SUSPENSION ARM (IFS)			
Wire harness x Upper suspension arm	13	130	9
Upper suspension arm x Body	98	1,000	72
FRONT LOWER SUSPENSION ARM (IFS)			
Lower suspension arm x Body	230	2,350	170
Stabilizer bar link x Lower suspension arm	52	530	38
FRONT LATERAL CONTROL ROD (RFS)			
Lateral control rod x Frame	171	1,750	127

Lateral control rod x Axle housing	171	1,750	127
FRONT LEADING ARM (RFS)			
Leading arm x Frame	177	1,800	130
Leading arm x Axle housing	177	1,800	130
FRONT STABILIZER BAR (RFS)			
Stabilizer bar x Axle housing	30	310	23
Stabilizer bar link x Cover	18	185	13
Stabilizer bar link x Link bracket	103	1,050	76
FRONT STABILIZER BAR (IFS)			
Stabilizer bar x Stabilizer bar link	25	250	18
Bracket x Body	18	185	13
REAR AXLE SHAFT (RFS)			
Hub nut	209	2,131	154
Axle shaft x Axle hub	33	335	24
Axle bearing lock nut plate	59	600	43
Axle bearing lock nut screw	5.4	55	48 in.:lbf
Brake caliper x Axle housing	103	1,050	76
ABS speed sensor installation bolt	18	185	13
REAR AXLE SHAFT (IFS)			
Hub bolt	Steel wheel	209	2,131
	Aluminum wheel	131	1,340
Brake caliper x Backing plate	103	1,050	76
Axle housing x Backing plate	123	1,250	90
Brake line	15	150	11
REAR DIFFERENTIAL CARRIER			
Filler plug	49	500	36
Drain plug	49	500	36
Propeller shaft x Companion flange	106	1,080	78
Differential carrier x Axle housing	72	740	53
Adjusting nut lock x Bearing cap	13	130	9
Bearing cap x Differential carrier	83	850	61
Companion flange x Drive pinion	See page SA-192		
LH differential case x Ring gear	137	1,400	101
RH differential case x LH differential case	47	480	35
REAR DIFFERENTIAL CARRIER (w/ Diff. Lock)			
Filler plug	49	500	36
Drain plug	49	500	36
Propeller shaft x Companion flange	106	1,080	78
Differential carrier x Axle housing	72	740	53
No. 1 actuator protector x Actuator	15	150	11
No. 2 actuator protector x Axle housing	36	367	27
Diff. lock position switch	40	410	30
Cover x Differential carrier	18	185	13
Shift fork x Actuator	20	200	14
Actuator x Differential carrier	24	240	17
Companion flange x Drive pinion	See page SA-216		

## SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Bearing cap x Differential carrier	113	1,150	83
Differential cover x Differential case	58	590	43
Differential case x Ring gear	137	1,400	101
REAR DIFFERENTIAL CARRIER (w/ LSD)			
Filler plug	49	500	36
Drain plug	49	500	36
Propeller shaft x Companion flange	106	1,080	78
Differential carrier x Axle housing	72	740	53
Adjusting nut lock x Bearing cap	13	130	9
Bearing cap x Differential carrier	83	850	61
Companion flange x Drive pinion	<a href="#">See page SA-240</a>		
LH differential case x Ring gear	137	1,400	101
RH differential case x LH differential case	47	480	35
Differential case x Ring gear	137	1,400	101
COIL SPRING AND REAR SHOCK ABSORBER (RFS)			
Follow spring x Body	28	290	21
Shock absorber x Frame	69	700	51
Shock absorber bracket x Frame	50	510	37
Shock absorber x Axle housing	64	650	47
COIL SPRING AND REAR SHOCK ABSORBER (IFS)			
Axle housing x Shock Absorber	98	1,000	72
Pressure hose x Cushion	18	185	13
Piston rod x Retainer	68	700	51
Piston rod x Cushion	68	700	51
Follow spring x Body	28	290	21
REAR LATERAL CONTROL ROD (RFS)			
Lateral control rod x Body	177	1,800	130
Lateral control rod x Axle housing	245	2,500	181
REAR LATERAL CONTROL ROD (IFS)			
Lateral control rod x Body	150	1,530	111
Lateral control rod x Axle housing	149	1,520	110
REAR UPPER AND LOWER CONTROL ARM (RFS)			
Upper control arm x Body	177	1,800	130
Upper control arm x Axle housing	177	1,800	130
Lower control arm x Body	177	1,800	130
Lower control arm x Axle housing	177	1,800	130
REAR UPPER AND LOWER CONTROL ARM (IFS)			
Heat insulator x Body	18	185	13
Upper control arm x Body	150	1,530	111
Upper control arm x Axle housing	150	1,530	111
Lower control arm x Body	150	1,530	111
Lower control arm x Axle housing	150	1,530	111
REAR STABILIZER BAR (RFS)			
Stabilizer bar x Stabilizer bar link	26	270	19
Bracket x Axle housing	18	185	13
Stabilizer bar bracket x Frame	18	185	13

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Stabilizer bar link x Stabilizer bar bracket	15	150	11
REAR STABILIZER BAR (IFS)			
Bracket x Axle housing	18	185	13
Stabilizer bar bracket x Body	18	185	13
Stabilizer bar x Stabilizer bar link	26	270	19
Stabilizer bar link x Stabilizer bar bracket	15	150	11
ACTIVE HEIGHT CONTROL PUMP & MOTOR (IFS)			
AHC fluid line	15	155	11
AHC pump & motor bracket x Body	18	185	13
AHC pump & motor bracket x AHC pump & motor	5.5	55	48 in.·lbf
Cushion bolt	6.9	70	61 in.·lbf
Bracket x AHC pump & motor	5.5	55	48 in.·lbf
Reservoir x Housing	6.9	70	61 in.·lbf
Reservoir bracket x Housing	12	120	8
Fluid pressure sensor	44	450	33
Fluid temperature sensor	22	220	16
Pump cover x Housing	12	120	8
Pump sub-assembly x Housing	5.6	58	50 in.·lbf
Pump motor x Housing	5.2	53	46 in.·lbf
CONTROL VALVE ASSEMBLY (IFS)			
AHC fluid line	15	155	11
Bracket x Control valve assembly	5.5	55	48 in.·lbf
Cushion bolt	7.8	80	69 in.·lbf
Cover x Control valve assembly	4.4	45	38 in.·lbf
HEIGHT CONTROL ACCUMULATOR (IFS)			
Inlet fluid line	15	155	11
Outlet fluid line	30 (24)	310 (245)	22 (18)
Height control accumulator x Body	29	300	22
Bleeder plug	6.9	70	61 in.·lbf
PUMP ATTENUATOR (IFS)			
Inlet fluid line	15	155	11
Outlet fluid line	30 (24)	310 (245)	22 (18)
Pump attenuator x Body	18	185	13
DAMPING FORCE CONTROL ACTUATOR (IFS)			
Inlet fluid line	15	155	11
Outlet fluid line	44	450	33
Cover x Body	28	290	21
Bleeder plug	8.3	84	73 in.·lbf
Damping force control actuator x Body	29	300	22
Gas chamber x Damping force control actuator	90 (65)	918 (667)	66 (48)
HEIGHT CONTROL SENSOR (IFS)			
Height control sensor link x Front upper suspension arm	5.6	57	49 in.·lbf
Height control sensor link x Rear upper control arm	5.6	57	49 in.·lbf
Height control sensor x Body	28	285	21

( ): For use with SST