

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
FRONT AXLE HUB			
Hub bolt	131	1,340	97
Steering knuckle x Brake caliper	123	1,250	90
Flexible hose x Bracket	34	347	25
Flange x Axle hub	33	335	24
Axle hub bearing lock nut	64	650	47
Disc x Axle hub	74	750	54
STEERING KNUCKLE			
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
FRONT DIFFERENTIAL CARRIER			
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-44		
FRONT SHOCK ABSORBER			
Lower suspension arm x Shock absorber	135	1,400	101
Pressure hose x Cushion	18	185	13
Piston rod x Cushion	78	795	57
FRONT TORSION BAR SPRING			
Torque arm x Body	225	2,300	166
FRONT UPPER SUSPENSION ARM			
Wire harness x Upper suspension arm	13	130	9
Upper suspension arm x Body	98	1,000	72

FRONT LOWER SUSPENSION ARM			
Lower suspension arm x Body	167	1,702	123
Stabilizer bar link x Lower suspension arm	52	530	38
FRONT STABILIZER BAR			
Stabilizer bar x Stabilizer bar link	25	250	18
Bracket x Body	18	185	13
REAR AXLE SHAFT			
Hub bolt	131	1,340	97
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-104		
LH differential case x Ring gear	137	1,400	101
RH differential case x LH differential case	47	480	35
COIL SPRING AND REAR SHOCK ABSORBER			
Axle housing x Shock Absorber	98	1,000	72
Pressure hose x Cushion	18	185	13
Piston rod x Cushion	68	700	51
Follow spring x Body	28	290	21
REAR LATERAL CONTROL ROD			
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			
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			
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			
AHC fluid line	15	155	11
AHC pump motor bracket x Body	18	185	13
AHC pump motor bracket x AHC pump motor assembly	5.5	55	48 in.·lbf
Cushion bolt	6.9	70	61 in.·lbf
Bracket x AHC pump motor assembly	5.5	55	48 in.·lbf

2003 LEXUS LX470 (RM973U)

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

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			
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			
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			
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			
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 (25)	918 (250)	66 (18)
HEIGHT CONTROL SENSOR			
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