

## SPECIFICATIONS AXLE AND DIFFERENTIAL TORQUE SPECIFICATIONS

## Axle

Part Tightened	N*m	kgf*cm	ft.*lbf	in.*lbf
Front disc x Front axle hub	95	969	70	
Steering knuckle x Front disc brake cylinder assembly	123	1254	91	
Steering knuckle x Front speed sensor	8.5	87		75
Steering knuckle spindle x Front wheel adjusting nut	63.7	650	47	
Front axle hub x Front axle outer shaft flange	32.6	332	24	
Front axle hub x Free wheel hub assembly	32.6	332	24	
Free wheel hub assembly x Free wheel hub cover	9.8	100		87
Front axle hub x Dual mode automatic locking hub	54.8	559	40	
Steering knuckle x Front speed sensor bracket	12.8	131	9	
Steering knuckle x Steering knuckle bearing cap	96.1	980	71	
Steering knuckle x Steering knuckle oil seal cover	5.4	55		48
Steering knuckle spindle x Front axle hub dust seal	46.6	475	34	
Steering knuckle LH x Front axle stud bolt	49	500	36	
No. 1 steering knuckle arm x Steering relay rod	90.7	925	67	
No. 1 steering knuckle arm x Steering knuckle	123	1254	91	
No. 2 steering knuckle arm x Steering knuckle	123	1254	91	
Steering knuckle arm x Tie rod end	90.7	925	67	
Rear axle housing assembly x Rear disc brake cylinder assembly	103	1050	76	
Rear axle housing assembly x Rear speed sensor	8.5	87		75
Rear axle housing assembly x Rear axle shaft oil seal	123	1254	91	
Rear axle hub x Rear axle hub stud bolt	17.2	175	13	
Rear axle bearing lock nut x Rear axle lock nut plate	5.5	56		49
Rear axle hub x Rear axle shaft	32.6	332	24	

## Front Differential Carrier Assembly (for Standard)

Part Tightened		N*m	kgf*cm	ft.*lbf
Front brake tube x Front axle housing		14	143	10
No. 3 flexible hose bracket x Front axle housing		25	255	18
Front No. 1 brake tube way x Front axle housing		14	143	10
Front flexible hose x Front brake tube	with union nut wrench	14.2	145	10
	without union nut wrench	15.2	155	11
Front differential carrier assembly x Front axle housing		25	255	18
Filler plug x Front axle housing		49	500	36
Drain plug x Front axle housing		49	500	36
Bearing cap x Differential carrier		85.3	870	63
Bearing cap x Front differential bearing adjusting nut lock		12.7	130	9
Front differential case x Differential ring gear		96.6	985	71
Front differential case RH x Front differential case LH		47.1	480	35

## Front Differential Carrier Assembly (w/ Differential Lock)

Part Tightened		N*m	kgf*cm	ft.*lbf
Front brake tube x Front axle housing		14	143	10
No. 3 flexible hose bracket x Front axle housing		25	255	18
Front No. 1 brake tube way x Front axle housing		14	143	10
Front flexible hose x Front brake tube	with union nut wrench	14.2	145	10
	without union nut wrench	15.2	155	11

Part Tightened	N*m	kgf*cm	ft.*lbf
Front differential carrier assembly x Front axle housing	25	255	18
Filler plug x Front axle housing	49	500	36
Drain plug x Front axle housing	49	500	36
Bearing cap x Differential carrier	85.3	870	63
Bearing cap x Front differential bearing adjusting nut lock	12.7	130	9
Front differential case x Differential ring gear	96.6	985	71
Front differential case RH x Front differential case LH	47.1	480	35
No. 2 differential lock shift actuator x Differential carrier	26.5	270	20
No. 4 transfer indicator switch x Differential carrier	40.2	410	30
Differential lock shaft retainer x Differential carrier	23.5	240	17
Screw plug x Differential carrier	21.6	220	16

#### Rear Differential Carrier Assembly (for Standard)

Part Tightened	N*m	kgf*cm	ft.*lbf
Rear differential carrier assembly x Rear axle housing	72	734	53
Filler plug x Rear axle housing	49	500	36
Drain plug x Rear axle housing	49	500	36
Wire harness clamp bracket x Rear differential carrier assembly	36	367	27
Bearing cap x Differential carrier	90	918	66
Bearing cap x Rear differential bearing adjusting nut lock	12.7	130	9
Differential case LH x Differential ring gear	137	1397	101
Differential case LH x Differential case RH	47.1	480	35

#### Rear Differential Carrier Assembly (for LSD)

Part Tightened	N*m	kgf*cm	ft.*lbf
Rear differential carrier assembly x Rear axle housing	72	734	53
Filler plug x Rear axle housing	49	500	36
Drain plug x Rear axle housing	49	500	36
Wire harness clamp bracket x Rear differential carrier assembly	36	367	27
Bearing cap x Differential carrier	90	918	66
Bearing cap x Rear differential bearing adjusting nut lock	12.7	130	9
Differential case LH x Differential ring gear	137	1397	101
Differential case LH x Differential case RH	47.1	480	35

#### Rear Differential Carrier Assembly (w/ Differential Lock)

Part Tightened	N*m	kgf*cm	ft.*lbf
Rear differential carrier assembly x Rear axle housing	72	734	53
Filler plug x Rear axle housing	49	500	36
Drain plug x Rear axle housing	49	500	36
Wire harness clamp bracket x Rear differential carrier assembly	36	367	27
Differential lock cylinder protector x Rear differential carrier assembly	Bolt A	19.5	199
	Bolt B	17	173
	Nut	35	357
Bearing cap x Differential carrier	113	1152	83
Rear differential lock cover x Rear differential carrier assembly	18	184	13
No. 4 transfer indicator switch x Rear differential lock cover	40.2	410	30
Differential lock shift actuator x Rear differential carrier assembly	23.5	240	17
Rear differential lock shift fork x Differential lock shift actuator	19.6	200	14
Differential case LH x Differential ring gear	137	1397	101
Differential case LH x Differential case RH	57.9	590	43