
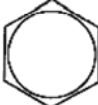
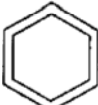
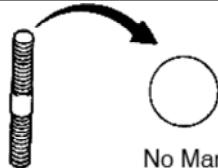
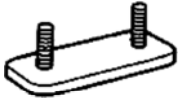

























# STANDARD BOLT

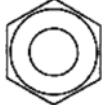




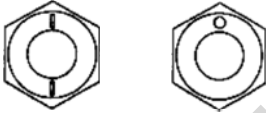
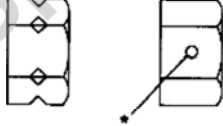
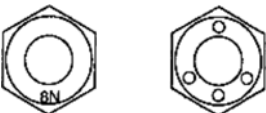


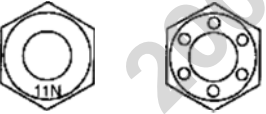
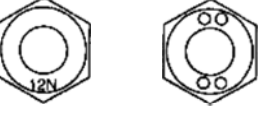
## HOW TO DETERMINE BOLT STRENGTH

Bolt Type				Class
Hexagon Head Bolt		Stud Bolt	Weld Bolt	
Normal Recess Bolt	Deep Recess Bolt			
  No Mark	 No Mark	 No Mark		4T
 				5T
  w/ Washer	 w/ Washer			6T
 	 			7T
		 		8T
				9T
	 			10T
	 			11T

## SPECIFIED TORQUE FOR STANDARD BOLTS

Class	Diameter mm	Pitch mm	Specified torque					
			Hexagon head bolt			Hexagon flange bolt		
			N-m	kgf-cm	ft-lbf	N-m	kgf-cm	ft-lbf
4T	6	1	5	55	48 in.-lbf	6	60	52 in.-lbf
	8	1.25	12.5	130	9	14	145	10
	10	1.25	26	260	19	29	290	21
	12	1.25	47	480	35	53	540	39
	14	1.5	74	760	55	84	850	61
	16	1.5	115	1,150	83	—	—	—
5T	6	1	6.5	65	56 in.-lbf	7.5	75	65 in.-lbf
	8	1.25	15.5	160	12	17.5	175	13
	10	1.25	32	330	24	36	360	26
	12	1.25	59	600	43	65	670	48
	14	1.5	91	930	67	100	1,050	76
	16	1.5	140	1,400	101	—	—	—
6T	6	1	8	80	69 in.-lbf	9	90	78 in.-lbf
	8	1.25	19	195	14	21	210	15
	10	1.25	39	400	29	44	440	32
	12	1.25	71	730	53	80	810	59
	14	1.5	110	1,100	80	125	1,250	90
	16	1.5	170	1,750	127	—	—	—
7T	6	1	10.5	110	8	12	120	9
	8	1.25	25	260	19	28	290	21
	10	1.25	52	530	38	58	590	43
	12	1.25	95	970	70	105	1,050	76
	14	1.5	145	1,500	108	165	1,700	123
	16	1.5	230	2,300	166	—	—	—
8T	8	1.25	29	300	22	33	330	24
	10	1.25	61	620	45	68	690	50
	12	1.25	110	1,100	80	120	1,250	90
9T	8	1.25	34	340	25	37	380	27
	10	1.25	70	710	51	78	790	57
	12	1.25	125	1,300	94	140	1,450	105
10T	8	1.25	38	390	28	42	430	31
	10	1.25	78	800	58	88	890	64
	12	1.25	140	1,450	105	155	1,600	116
11T	8	1.25	42	430	31	47	480	35
	10	1.25	87	890	64	97	990	72
	12	1.25	155	1,600	116	175	1,800	130

## HOW TO DETERMINE NUT STRENGTH

Nut Type		Class	
Present Standard Hexagon Nut	Old Standard Hexagon Nut		
	Cold Forging Nut		Cutting Processed Nut
 No Mark			4N
 No Mark (w/ Washer)	 No Mark (w/ Washer)	 No Mark	5N (4T)
			6N
			7N (5T)
			8N
		 No Mark	10N (7T)
			11N
			12N

\*: Nut with 1 or more marks on one side surface of the nut.

HINT: Use the nut with the same number of the nut strength classification or the greater than the bolt strength classification number when tightening parts with a bolt and nut.

Example: Bolt = 4T  
Nut = 4N or more

## SPECIFIED TORQUE FOR STANDARD BOLTS

Class	Diameter mm	Pitch mm	Specified torque					
			Hexagon head bolt			Hexagon flange bolt		
			N-m	kgf-cm	ft-lbf	N-m	kgf-cm	ft-lbf
4T	6	1	5	55	48 in.-lbf	6	60	52 in.-lbf
	8	1.25	12.5	130	9	14	145	10
	10	1.25	26	260	19	29	290	21
	12	1.25	47	480	35	53	540	39
	14	1.5	74	760	55	84	850	61
	16	1.5	115	1,150	83	-	-	-
5T	6	1	6.5	65	56 in.-lbf	7.5	75	65 in.-lbf
	8	1.25	15.5	160	12	17.5	175	13
	10	1.25	32	330	24	36	360	26
	12	1.25	59	600	43	65	670	48
	14	1.5	91	930	67	100	1,050	76
	16	1.5	140	1,400	101	-	-	-
6T	6	1	8	80	69 in.-lbf	9	90	78 in.-lbf
	8	1.25	19	195	14	21	210	15
	10	1.25	39	400	29	44	440	32
	12	1.25	71	730	53	80	810	59
	14	1.5	110	1,100	80	125	1,250	90
	16	1.5	170	1,750	127	-	-	-
7T	6	1	10.5	110	8	12	120	9
	8	1.25	25	260	19	28	290	21
	10	1.25	52	530	38	58	590	43
	12	1.25	95	970	70	105	1,050	76
	14	1.5	145	1,500	108	165	1,700	123
	16	1.5	230	2,300	166	-	-	-
8T	8	1.25	29	300	22	33	330	24
	10	1.25	61	620	45	68	690	50
	12	1.25	110	1,100	80	120	1,250	90
9T	8	1.25	34	340	25	37	380	27
	10	1.25	70	710	51	78	790	57
	12	1.25	125	1,300	94	140	1,450	105
10T	8	1.25	38	390	28	42	430	31
	10	1.25	78	800	58	88	890	64
	12	1.25	140	1,450	105	155	1,600	116
11T	8	1.25	42	430	31	47	480	35
	10	1.25	87	890	64	97	990	72
	12	1.25	155	1,600	116	175	1,800	130

# MAINTENANCE

## TORQUE SPECIFICATION

SS0C7-02

Part tightened		N·m	kgf·cm	ft·lbf
Front seat bolts		37	375	27
Front suspension lower crossmember x Body	A	176	1,795	130
	B	157	1,600	116
Rear suspension member x Body		180	1,840	133

2001-2003 Torque Specification

# TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
No.1 timing belt idler pulley, No.2 timing belt idler pulley x Oil pump	34.5	350	25
Drive belt tensioner x Cylinder block	15.5	160	11
Camshaft timing pulley x Camshaft timing tube	7.5	80	66
Timing belt tensioner x Oil pump	26	270	19
Crankshaft pulley x Crankshaft	245	2,500	181
No.1 drive belt idler pulley x Cylinder block	12 mm head	16	160
	14 mm head	32	330
No.2 timing belt cover x Cylinder block	16	160	12
No.2 drive belt idler pulley x Fan bracket	39	398	29
Exhaust manifold x Cylinder head	44	450	32
Cylinder head x Cylinder block	1st	59	600
	2nd	Turn 90°	Turn 90°
Camshaft drive gear x Camshaft timing tube	7.5	80	66 in.-lbf
Camshaft timing tube x Intake manifold	78	790	58
Screw plug x Camshaft timing tube	15	150	11
Camshaft bearing cap x Cylinder head	Bolt C	7.5	80
	Others	16	160
Cylinder head cover x Cylinder head	6.0	60	53 in.-lbf
Engine hanger x Cylinder head	37	380	27
Front water bypass joint, Rear water bypass joint x Cylinder head	18	185	13
Water bypass pipe x Cylinder Block	18	185	13
Timing belt rear plate x Cylinder head	7.5	80	66 in.-lbf
Intake air control valve x Upper intake manifold	8.5	85	75 in.-lbf
Upper intake manifold x Lower intake manifold	18	185	13
Vacuum tank for ACIS x Lower intake manifold	18	185	13
Lower intake manifold x Cylinder head	18	185	13
Drive plate x Crankshaft	49	500	36
	Turn 90°	Turn 90°	Turn 90°
Transmission x Cylinder block	72	730	53
Transmission x No.1 oil pan	37	380	27
Drive plate x Torque converter clutch	41	420	30
Flywheel housing under cover x Transmission	18	185	13
Rear engine mounting member x Body	25.5	260	19
Rear engine mounting member x Rear engine mounting insulator	13.5	135	10
Front suspension crossmember x Engine mounting insulator	68	700	50
PS gear housing x Front suspension crossmember	65	660	48
Sliding yoke x Steering intermediate shaft	35	360	26
A/C compressor x Cylinder block, No.1 drive belt idler pulley	49	500	36
A/C compressor stay x Oil filter bracket	29	300	21
PS pump x Cylinder head	Bolt	39.2	400
	Nut	43.1	440
Center front floor brace x Body	13	130	9
Front suspension member x Body	Front	176	1.795
	Rear	157	1.600

Main bearing cap x Cylinder block	2 progressive type 1st	27	275	20
	2nd	Turn 90°	Turn 90°	Turn 90°
	Others	49	500	36
Connecting rod cap x Connecting rod	1st	25	250	18
	2nd	Turn 90°	Turn 90°	Turn 90°
Rear oil seal retainer x Cylinder block		8.0	80	71 in.·lbf
Engine coolant drain union x Cylinder block		49	500	36
Water seal plate x Cylinder block		14	145	10
Engine mounting bracket x Cylinder block		36	370	27
TWC x Exhaust manifold		62	630	46
Front exhaust pipe x TWC		44	450	32
Front exhaust pipe support bracket x Transmission		44	450	32
Center exhaust pipe x Tailpipe		44	450	32
Heated oxygen sensor x Front exhaust pipe		44	450	32

2001-2003 Torque Specification

# TORQUE SPECIFICATION

Part tightened		N-m	kgf-cm	ft-lbf
Transmission housing × Transmission case	14 mm	34	345	25
	17 mm	57	580	42
Extension housing × Transmission case		34	345	25
Packing lock pawl bracket × Transmission case		7.4	75	65 in.-lbf
O/D support × Transmission case		25	260	19
Oil pump × Transmission case		21	215	16
Oil pump body × Stator shaft		10	100	7
Valve body × Transmission case		9.8	100	7
Upper valve body × Lower No. 1 valve body		6.4	65	56 in.-lbf
Lower valve No. 1 body × Lower valve No. 2 body		6.4	65	56 in.-lbf
Detent spring × Lower valve No. 1 body		9.8	100	7
Oil strainer × Valve body		9.8	100	7
Oil pan × Transmission case		7.4	75	65 in.-lbf
Drain plug		20	205	15
Vehicle speed sensor × Transmission case		5.4	55	48 in.-lbf
O/D direct clutch vehicle speed sensor × Transmission case		5.4	55	48 in.-lbf
Transmission wiring stopper plate × Transmission case		5.4	55	48 in.-lbf
Shift solenoid valve No. 1, No. 3 × Lower valve No. 1 body		6.4	65	56 in.-lbf
Shift solenoid valve No. 2, No. 4 × Lower valve No. 2 body		9.8	100	7
No. 1 Lock Plate × Lower valve No. 1 body		9.8	100	7
No. 2 Lock Plate × lower valve No. 2 body		9.8	100	7
Pressure relief valve spring seat		9.8	100	7
Transmission output flange		126	1,280	92
Union × Transmission case		29	300	22
Elbow × Transmission case		29	300	22
Park/Neutral position switch	Bolt	13	130	9
	Nut	6.9	70	61 in.-lbf
Control shaft lever		16	160	12



# EMISSION CONTROL

## TORQUE SPECIFICATION

SS0CA-01

Part tightened	N·m	kgf·cm	ft·lbf
TWC x Exhaust manifold	62	630	46
TWC x Front exhaust pipe	44	440	32
Heated oxygen sensor x Front exhaust pipe	44	450	33

2001-2003 Torque Specification

## TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
Fuel inlet hose (Rear fuel pipe) x Fuel main tube for use with SST	32	330	24
Fuel tank vent tube set plate x Fuel tank	3.5	36	31 in.·lbf
Delivery pipe x Lower intake manifold	18	185	13
Fuel pressure pulsation damper x Delivery pipe for use with SST	33 39	340 400	24 29
Fuel sender gauge x Fuel tank	1.5	15	13 in.·lbf
Fuel tank x Body	39	400	29
Water bypass pipe x Throttle body	5.4	55	48 in.·lbf
Throttle body x Upper intake manifold, Lower intake manifold	18	185	13
Camshaft oil control valve x Camshaft bearing cap	7.5	80	66 in.·lbf
Intake air control valve x Upper intake manifold	8.5	85	75 in.·lbf
Intake air control valve actuator x Upper intake manifold	8.5	85	75 in.·lbf
Vacuum tank for ACIS x Lower intake manifold	18	185	13
Water temperature sensor x Front water bypass joint	19.6	200	14
Knock sensor x Cylinder block	45	450	33
Heated oxygen sensor x Exhaust manifold, Front exhaust pipe	44	450	32
VVT sensor x Cylinder head	6.5	65	58 in.·lbf

**TORQUE SPECIFICATION**

Part tightened	N·m	kgf·cm	ft·lbf
Drain plug x Union on cylinder block	12.7	130	9
Water pump x Cylinder block	18	185	13
Water inlet housing x Water pump	18	185	13
Water inlet x Water inlet housing	18	185	13
Electric cooling fan x Radiator	5.0	50	44 in.·lbf
Upper radiator support x Body	13.5	135	10

2001-2003 Torque Specification

## TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Drain plug x No.2 oil pan	39	400	29
Oil pump body cover x Oil pump body	10	105	7
Oil pump body x Plug for relief valve	49	500	36
Oil pump x Cylinder block	12 mm head	15.5	11
	14 mm head and 6 mm hexagon head	30.5	22
Oil strainer x Cylinder block, Oil pump	7.5	80	66 in.·lbf
No.1 oil pan x Oil pump, Rear oil seal retainer	7.5	80	66 in.·lbf
No.1 oil pan x Cylinder block	10 mm head	7.5	66 in.·lbf
	12 mm head	28	21
Oil pan baffle plate x No.1 oil pan	7.5	80	66 in.·lbf
No.2 oil pan x No.1 oil pan	7.5	80	66 in.·lbf
Oil level sensor x No.1 oil pan	5.4	55	48 in.·lbf
Crankshaft position sensor x Oil pump	6.5	65	58 in.·lbf
Oil filter bracket x Oil pump	18	185	13

## TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Spark plug x Cylinder head	18	180	13
Ignition coil x Cylinder head cover	7.5	80	66 in·lbf
Camshaft position sensor x LH cylinder head	7.5	80	66 in·lbf
Crankshaft position sensor x Oil pump	6.5	65	58 in·lbf

2001-2003 Torque Specification

## TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Terminal 30 nut, Terminal C nut x Terminal bolt	17	173	13
End cover x Magnetic switch housing	3.6	37	32 in·lbf
End cover x Brush holder	3.8	39	34 in·lbf
Starter housing x Magnetic switch	9.3	95	82 in·lbf
End cover with field frame x Starter housing	9.3	95	82 in·lbf
Lead wire of field coil x Terminal C	5.9	60	52 in·lbf
Starter x Cylinder block	37	380	27
Starter cable x Starter	9.8	100	87 in·lbf
Throttle body x Upper intake manifold, Lower intake manifold	18	185	13

2001-2003 Torque Specification

## TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
Bearing retainer x Drive end frame	3.0	31	27 in.·lbf
Generator pulley x Rotor	110.5	1,125	82
Rectifier holder x Lead wire on rectifier end frame, Rectifier holder	2.94	30	26 in.·lbf
Rectifier end frame x Drive end frame	w/ Cord clip	5.4	48 in.·lbf
	w/o Cord clip	4.5	40 in.·lbf
Voltage regulator x Rectifier end frame, Rectifier holder	2.0	20	18 in.·lbf
Brush holder x Rectifier holder, Voltage regulator	2.0	20	18 in.·lbf
Rear end cover x Rectifier end frame	4.4	45	39 in.·lbf
Plate terminal x Rectifier holder, Rectifier end frame	3.8	39	34 in.·lbf
Terminal insulator x Rectifier holder	6.5	66	58 in.·lbf
Generator x Cylinder block	39	400	29

# TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf	
Transmission output flange x Output shaft	126	1,280	92	
Vehicle speed sensor set bolt	5.4	55	48 in.·lbf	
O/D direct clutch speed sensor set bolt	5.4	55	48 in.·lbf	
Solenoid connector set bolt	5.4	55	48 in.·lbf	
Solenoid wiring clamp set bolt	6.4	65	56 in.·lbf	
Oil strainer x Valve body	10	100	7	
Oil pan x Transmission case	7.4	75	65 in.·lbf	
Drain plug	20	205	15	
Park/Neutral position switch x Transmission case	13	130	9	
Park/Neutral position switch set nut	6.9	70	61 in.·lbf	
Control shaft set bolt	16	160	12	
Linear solenoid valve SLU, SLT x Valve body	6.4	65	56 in.·lbf	
Linear solenoid valve SLN x Valve body	10	100	7	
Shift solenoid valve No. 1, No. 3 x Valve body	6.4	65	56 in.·lbf	
Shift solenoid valve No. 2, No. 4 x Valve body	10	100	7	
Valve body x Transmission case	10	100	7	
Parking lock pawl bracket x Transmission case	7.4	75	65 in.·lbf	
Heated oxygen sensor x Exhaust pipe	44	450	32	
Front TWC x Exhaust pipe	43	440	32	
Pipe support bracket x Transmission	43	440	32	
Center floor crossmember brace x Body	13	130	9	
Front TWC x Exhaust manifold	62	630	46	
Engine rear mounting member bracket plate x Body	5.4	55	48 in.·lbf	
Heat insulator x Body	5.4	55	48 in.·lbf	
Propeller shaft heat insulator x Body	5.4	55	48 in.·lbf	
Shift control rod x Shift lever assembly	13	130	9	
Shift lever assembly x Body	8.3	85	74 in.·lbf	
Shift lever control shaft nut	19	194	14	
Shift lever guide housing x Shift lever plate	3.0	29	25 in.·lbf	
Oil cooler pipe union nut	44	450	32	
Oil cooler pipe clamp set bolt	4.9	50	43 in.·lbf	
Flywheel housing under cover x Transmission housing	18	185	13	
Torque converter clutch x Drive plate	48	490	35	
Engine rear mounting x Body	26	270	20	
Transmission x Engine	17 mm head	72	730	53
	14 mm head	37	380	27
Drive plate x Crankshaft	See page <a href="#">AT-38</a>			



## TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Intermediate shaft x Transmission	79	805	58
Propeller shaft x Differential	79	805	58
Front center floor crossmember brace x Body	13	130	9
Rear center floor crossmember brace x Body	13	130	9
Heat insulator set bolt	5.4	55	48 in·lbf
Propeller shaft heat insulator set bolt	5.4	55	48 in·lbf
Front exhaust pipe x Front TWC	43	440	32
Front exhaust pipe x Center exhaust pipe	See page <a href="#">EM-119</a>		
Center support bearing x Body	37	375	27
Propeller shaft adjusting nut	50 (69)	515 (700)	37 (51)

( ): For use without SST

2001-2003 Torque Specification

## TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
FRONT			
Hub nut	103	1,050	76
Lower suspension arm x Body (Camber adjusting cam nut)	172	1,750	127
Lower suspension arm bracket x Body	Vehicle inside 60	612	44
	Vehicle outside 137	1,395	101
Lower suspension arm x Lower suspension arm bracket	137	1,395	101
Rack end x Tie rod end	56	570	41
Brake caliper x Steering knuckle	110	1,122	81
Lower ball joint x Steering knuckle	113	1,150	83
Steering knuckle x Upper suspension arm	87	885	64
Axle hub x Steering knuckle	69	700	51
Height control sensor link x Lower suspension arm	5.4	55	48 in.-lbf
Shock absorber x Lower suspension arm	157	1,600	116
Suspension support x Piston rod	28	280	20
Suspension support x Body	58	590	43
Pneumatic cylinder x Lower suspension arm	157	1,600	116
Actuator cover nut	58	590	43
Suspension support x Pneumatic cylinder	58	590	43
Upper suspension arm x Body	53	540	39
Tie rod end x Lower ball joint	59	600	43
Lower ball joint x Lower suspension arm	162	1,645	119
Stabilizer bar link nut	55	570	41
Stabilizer bar bracket x Body	23	235	17
Height control compressor bracket x Body	19	195	14
Height control compressor x Dryer	6.4	65	56 in.-lbf
Height control compressor x Bracket	5.9	60	52 in.-lbf
Height control valve x Body	5.4	55	48 in.-lbf
Height control sensor x Body	7.8	8.0	69

## SERVICE SPECIFICATIONS - SUSPENSION AND AXLE

Part tightened	N·m	kgf·cm	ft·lbf	
REAR				
Hub nut	103	1,050	76	
Height control sensor link x No. 2 lower suspension arm	5.4	55	48 in.·lbf	
Brake caliper x Axle carrier	78	800	58	
ABS speed sensor installation bolt	8.0	82	71 in.·lbf	
ABS speed sensor wire harness installation bolt	5.4	55	48 in.·lbf	
Shock absorber x Axle carrier	70	720	52	
Upper suspension arm x Body	90	910	66	
Parking brake cable x Backing plate	7.8	80	69 in.·lbf	
Axle hub x Axle carrier	65	663	48	
Upper suspension arm x Axle carrier	70	720	52	
Drive shaft x Axle hub	290	2,960	214	
Under cover x Body	5.4	55	48 in.·lbf	
Suspension member brace x Body	50	510	37	
Drive shaft x Differential carrier assembly	83	850	61	
Stabilizer bar bracket x Body	18	180	13	
Propeller shaft x Differential carrier assembly	79	805	58	
Propeller shaft x Transmission	79	805	58	
Center support bearing x Body	37	375	27	
Front center crossmember brace x Body	13	130	9	
Rear center crossmember brace x Body	13	130	9	
Heated oxygen sensor	44	450	33	
Exhaust front pipe x Exhaust manifold	43	440	32	
Differential mounting bolt	Front Rear	147 142	1,500 1,450	108 105
Ring gear set bolt		64	650	47
Differential carrier retainer x Differential carrier		22	225	16
Companion flange lock nut	See page SA-79			
Oil deflector x Differential carrier cover	7.0	70	62 in.·lbf	
Differential carrier cover set bolt	47	475	34	
Breather plug	21	210	15	
Drain plug	49	500	39	
Filler plug	49	500	39	
Stabilizer bar bracket x Body	18	185	13	
Stabilizer bar link nut	65	660	48	
Shock absorber cap nut	25	260	18	
Suspension support x Piston rod	27	280	20	
Suspension support x Body	64	650	47	
Actuator cover nut	25	260	18	
Suspension support x Pneumatic cylinder	36	370	27	
No.1 lower suspension arm x Axle carrier	70	720	52	
No.1 lower suspension arm x Body	90	910	66	
No.2 lower suspension arm x Axle carrier	70	720	52	
No.2 lower suspension arm x Body	90	910	66	

Toe control link x Axle carrier	70	720	52
Toe control link x Body	50	510	37
Height control valve x Body	5.4	55	48 in.·lbf
Height control sensor x Body	7.8	80	69 in.·lbf
Acceleration sensor x Body	5.4	55	48 in.·lbf

2001-2003 Torque Specification

**TORQUE SPECIFICATION**

Part tightened	N-m	kgf-cm	ft-lbf
<b>BRAKE PEDAL</b>			
Brake pedal x Pedal bracket	27	280	20
<b>PARKING BRAKE PEDAL</b>			
Parking brake pedal assembly	13	130	9
<b>BRAKE MASTER CYLINDER</b>			
Master cylinder x Brake Booster	13	130	9
Master cylinder x Reservoir	1.8	18	16 in.-lbf
Brake line union nut	15	155	11
<b>BRAKE BOOSTER</b>			
Brake Booster x Pedal support	13	130	9
Brake Booster clevis lock nut	26	265	19
<b>FRONT BRAKE</b>			
Front disc brake caliper installation bolt	110	1,122	81
Bleeder plug	11	110	8
Front disc brake caliper x Flexible hose	39	400	29
<b>REAR BRAKE</b>			
Rear disc brake caliper installation bolt	78	800	58
Bleeder plug	11	110	8
Rear disc brake caliper x Flexible hose	39	400	29
Anchor block x Backing plate	76	775	56
<b>BRAKE ACTUATOR</b>			
Brake actuator assembly x Body	19	195	14
Brake actuator x Actuator bracket	5.4	55	48 in.-lbf
Bleeder plug	8.3	85	74 in.-lbf
<b>SPEED SENSOR</b>			
Front speed sensor harness clamp bolt	5.0	51	44 in.-lbf
Rear speed sensor installation bolt	8.0	82	71 in.-lbf
Rear speed sensor harness clamp bolt	5.0	51	44 in.-lbf

# TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
<b>POWER STEERING FLUID</b>			
Pressure line joint	40 (44)	410 (450)	30 (33)
<b>POWER TILT AND POWER TELESCOPIC STEERING COLUMN</b>			
Column upper tube sub-assembly x Column upper tube assembly	20	210	15
Column tube stopper	19	190	14
Telesco lever lock bolt	20	210	15
Telescopic steering slider support set bolt	11	110	8
Column tube support x Column tube	15	150	11
Power tilt motor set bolt	20	210	15
No. 2 intermediate shaft assembly x Main shaft assembly	35	360	26
Steering column assembly set nut	25	260	19
Sliding yoke x Control valve shaft	35	360	26
Sliding yoke x No. 2 intermediate shaft assembly	35	360	26
Steering wheel set nut	50	510	37
Steering wheel pad set screw (Torx screw)	8.8	90	78 in.-lbf
<b>POWER STEERING VANE PUMP</b>			
Front housing x Rear housing	22	220	16
Pressure port union	69	700	51
Suction port union x Vane pump assembly	12	120	9
Pump bracket	30	310	22
Pressure feed tube x Vane pump assembly	49	500	36
Pump assembly set nut	43	440	32
Pump assembly set bolt	39	400	29
<b>POWER STEERING GEAR</b>			
Control valve housing x Rack housing	18	180	13
Self-locking nut	59	600	43
Rack housing cap	69	700	51
Rack guide spring cap lock nut	50 (69)	510 (700)	37 (51)
Rack end x Steering rack	95 (127)	970 (1,300)	70 (94)
Tie rod end lock nut	56	570	41
Pressure control valve x Control valve housing	18	180	13
Turn pressure tube (union nut)	23 (25)	235 (255)	17 (18)
Turn pressure tube (bolt)	34	350	25
No. 3 intermediate shaft x Control valve shaft	35	360	26
PS gear assembly set bolt and nut	118	1,200	87
Pressure feed and return tubes	49	500	36
Sliding yoke x Control valve shaft	35	360	26
Steering knuckle x Tie rod end	59	600	43
Steering wheel set nut	50	510	37

( ): For use without SST

# SUPPLEMENTAL RESTRAINT SYSTEM

## TORQUE SPECIFICATION

SS0FC-08

Part tightened	N·m	kgf·cm	ft·lbf	
Steering wheel	50	510	37	
Steering wheel pad	8.8	90	78 in·lbf	
Front passenger airbag assembly x Instrument panel reinforcement	20	205	15	
Front seat x Body	37	375	27	
Seatback frame x Front seat adjuster	21	214	15	
Curtain shield airbag assembly x Body	9.8	100	86 in·lbf	
Airbag sensor assembly x Body	20	205	15	
Front airbag sensor x Body	20	205	15	
Front seat outer belt retractor	Upper Bolt:	7.5	75	67 in·lbf
Front seat outer belt retractor	Lower Bolt:	42	430	31
Front seat outer belt anchor x Front seat adjuster		42	430	31
Side and curtain shield airbag sensor assembly x Body		20	205	15
Curtain shield airbag sensor assembly x Body	Bolt:	20	205	15
Curtain shield airbag sensor assembly x Body	Nut:	20	205	15

# BODY

## TORQUE SPECIFICATION

SS110-04

Part tightened	N·m	kgf·cm	ft·lbf
<b>FRONT BUMPER</b>			
Front bumper reinforcement x Body	13	135	10
<b>REAR BUMPER</b>			
Rear bumper reinforcement x Body	20	205	15
<b>HOOD</b>			
Hood x Hood hinge	13	135	10
Hood support	22	225	16
<b>HOOD LOCK CONTROL</b>			
Hood lock x Body	8.0	82	71 in·lbf
<b>FRONT DOOR</b>			
Door hinge x Body	33	335	24
Door hinge x Front door	26	265	19
Door lock striker	23	235	17
Outside handle frame x Door panel	5.5	56	49 in·lbf
Outside handle cover x Door panel	5.5	56	49 in·lbf
Door lock x Door panel	5.5	56	49 in·lbf
Door closer x Door panel	5.5	56	49 in·lbf
Door window front guide x Door panel	8.0	82	71 in·lbf
Door window rear guide x Door panel	8.0	82	71 in·lbf
Window regurator x Door panel	11	115	8
Door glass x Window regurator	5.5	56	49 in·lbf
<b>REAR DOOR</b>			
Door hinge x Body	33	335	24
Door hinge x Rear door	26	265	19
Door lock striker	23	235	17
Outside handle frame x Door panel	5.5	56	49 in·lbf
Outside handle plug x Door panel	5.5	56	49 in·lbf
Door lock x Door panel	5.5	56	49 in·lbf
Door closer x Door panel	5.5	56	49 in·lbf
Door window rear guide x Door panel	8.0	82	71 in·lbf
Door window front guide x Door panel	8.0	82	71 in·lbf
Window regurator x Door panel	8.0	82	71 in·lbf
Door glass x Window regurator	5.5	56	49 in·lbf
<b>OUTSIDE REAR VIEW MIRROR</b>			
Outside rear view mirror x Door panel	5.5	56	49 in·lbf
<b>LUGGAGE COMPARTMENT DOOR AND HINGE</b>			
Luggage compartment door x Door hinge	13	135	10
Door hinge x Body	13	135	10
Luggage compartment door lock x Body	5.5	56	49 in·lbf
Luggage compartment door lock striker	5.5	56	49 in·lbf



## SERVICE SPECIFICATIONS - BODY

FRONT WIPER AND WASHER				
Wiper arm x Wiper link		20	205	15
Sub-wiper arm x Wiper link		5.5	56	49 in.·lbf
SLIDING ROOF				
Sliding roof housing x Bracket	Bolt	8.0	82	71 in.·lbf
	Nut	5.5	56	49 in.·lbf
Sliding roof bracket x Body	Bolt	8.0	82	71 in.·lbf
	Nut	5.5	56	49 in.·lbf
Drive gear x Body		5.5	56	49 in.·lbf
INSTRUMENT PANEL				
No. 1 brace x Body		20	205	15
No. 2 brace x Body		20	205	15
Front passenger airbag assembly x Instrument panel		20	205	15
FRONT SEAT				
Slide motor x Seat adjuster		2.5	25	22 in.·lbf
Seat cushion slide motor x Seat adjuster		2.5	25	22 in.·lbf
Tilt motor x Power reclining adjuster assembly		2.5	25	22 in.·lbf
Lifter motor x Power reclining adjuster assembly		2.5	25	22 in.·lbf
Power reclining adjuster assembly x Seat adjuster		19	195	14
Seat cushion assembly x Seat adjuster assembly		21	214	15
Lumber support adjuster x Seatback frame		5.2	54	47 in.·lbf
Headrest adjuster x Seatback frame		5.2	54	47 in.·lbf
Seatback cover hook x Seatback frame		5.2	54	47 in.·lbf
Seatback assembly x Seat cushion assembly		43	440	32
Front seat assembly x Body		37	375	27
Seat position sensor x Front seat cushion frame		8.0	82	71 in.·lbf
REAR SEAT (Power adjuster type)				
Rear seat outer track x Rear seat adjuster		21	214	15
Rear seat inner track x Rear seat adjuster		21	214	15
Rear seatback hinge x Rear seatback frame		18	185	13
Rear seat adjuster x Body		18	185	13
SEAT BELT				
Front seat floor anchor x Front seat		42	430	31
Front seat shoulder anchor x Power adjustable anchor		42	430	31
Front seat outer belt retractor x Body	Upper bolt	7.5	75	67 in.·lbf
	Lower bolt	42	430	31
Power adjustable anchor x Body		42	430	31
Front seat inner belt x Body		42	430	31
Rear seat outer belt shoulder anchor x Body		42	430	31
Rear seat outer belt floor anchor x Body		42	430	31
Center rear seat belt shoulder anchor x Body		42	430	31
Center rear seat belt floor anchor x Body		42	430	31
Rear seat inner belt x Body		42	430	31
Center rear seat inner belt assembly x Body		42	430	31
CRS tether anchor bracket x Body		21	214	15
CRS anchor bracket x Body		33	337	24

## TORQUE SPECIFICATION

Part tightened	N-m	kgf-cm	ft-lbf
<b>REFRIGERANT LINE</b>			
A/C unit x Liquid and suction tubes	10	100	7
Suction tube x Suction hose	10	100	7
Suction tube x Compressor	10	100	7
Compressor x Discharge hose	10	100	7
Discharge hose Condenser	5.4	55	48 in.·lbf
Condenser x Liquid tube	5.4	55	48 in.·lbf
Rear A/C unit x Liquid tube	5.4	55	48 in.·lbf
Rear A/C unit x Suction tube	5.4	55	48 in.·lbf
Suction line (Piping joint)	23	235	17
Liquid line (Piping joint)	14	140	10
<b>AIR CONDITIONER UNIT</b>			
Tube and accessory x Expansion valve x Tube connector	4.1	42	36 in.·lbf
Evaporator x Tube and accessory	4.1	42	36 in.·lbf
<b>REAR A/C UNIT</b>			
Tube and accessory x Expansion valve	3.5	36	31 in.·lbf
<b>COMPRESSOR AND MAGNETIC CLUTCH</b>			
Compressor x Engine (Bolt)	49	500	36
Compressor x Bracket x Engine (Nut)	30	300	22
Pressure plate x Compressor	13.2	135	9
<b>CONDENSER</b>			
Cap x Condenser	12.3	125	9
<b>PRESSURE SWITCH</b>			
Pressure switch x Liquid tube	10	100	7