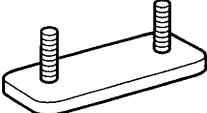


STANDARD BOLT

HOW TO DETERMINE BOLT STRENGTH

SS00F-01

	Mark	Class		Mark	Class
Hexagon head bolt	4- 5- 6- 7- 8- 9- 10- 11-	4T 5T 6T 7T 8T 9T 10T 11T	Hexagon flange bolt	 4 Protruding lines	9T
	 Bolt head No. 4		w/ washer hexagon bolt		
			Hexagon flange bolt	 5 Protruding lines	10T
			w/ washer hexagon bolt		
	 No mark	4T	Hexagon flange bolt	 6 Protruding lines	11T
			w/ washer hexagon bolt		
Hexagon flange bolt	 No mark	4T	Stud bolt	 No mark	4T
w/ washer hexagon bolt					
Hexagon head bolt	 2 Protruding lines	5T		 Grooved	6T
Hexagon flange bolt	 2 Protruding lines	6T			
w/ washer hexagon bolt			Welded bolt		4T
Hexagon head bolt	 3 Protruding lines	7T			
Hexagon head bolt	 4 Protruding lines	8T			

V06821

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

SERVICE DATA

SS01E-01

Chassis	Front wheel alignment Side slip	3.0 mm/m (0.118 in./3.3 ft) or less
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ENGINE MECHANICAL

SERVICE DATA

SS0FH-03

Compression pressure	at 250 rpm STD Minimum Difference of pressure between each cylinder	1,324 kPa (13.5 kgf/cm ² , 192 psi) or more 1,079 kPa (11.0 kgf/cm ² , 156 psi) 98 kPa (1.0 kgf/cm ² , 14 psi) or less
Valve clearance	at cold Intake Exhaust Adjusting shim (for repair part) Mark 2.500 Mark 2.550 Mark 2.600 Mark 2.650 Mark 2.700 Mark 2.750 Mark 2.800 Mark 2.850 Mark 2.900 Mark 2.950 Mark 3.000 Mark 3.050 Mark 3.100 Mark 3.150 Mark 3.200 Mark 3.250 Mark 3.300	0.15 – 0.25 mm (0.006 – 0.010 in.) 0.25 – 0.35 mm (0.010 – 0.014 in.) 2.500 mm (0.0984 in.) 2.550 mm (0.1004 in.) 2.600 mm (0.1024 in.) 2.650 mm (0.1043 in.) 2.700 mm (0.1063 in.) 2.750 mm (0.1083 in.) 2.800 mm (0.1102 in.) 2.850 mm (0.1122 in.) 2.900 mm (0.1142 in.) 2.950 mm (0.1161 in.) 3.000 mm (0.1181 in.) 3.050 mm (0.1201 in.) 3.100 mm (0.1220 in.) 3.150 mm (0.1240 in.) 3.200 mm (0.1260 in.) 3.250 mm (0.1280 in.) 3.300 mm (0.1299 in.)
Ignition timing	w/ Terminals TC and CG connected of DLC3	10 ± 2° BTDC @ idle
Idle speed		700 ± 50 rpm
Timing belt tensioner	Protrusion (from housing side)	8.0 – 8.8 mm (0.315 – 0.346 in.)
Cylinder head	Warpage Cylinder block side Maximum Intake manifold side Maximum Exhaust manifold side Maximum Valve guide bore diameter STD O/S 0.05 Valve seat Refacing angle Contacting angle Contacting width Intake Exhaust Cylinder head bolt diameter STD Minimum	0.10 mm (0.0039 in.) 0.10 mm (0.0039 in.) 0.10 mm (0.0039 in.) 10.985 – 11.006 mm (0.4325 – 0.4333 in.) 11.035 – 11.056 mm (0.4344 – 0.4353 in.) 15°, 45°, 75° 45° 1.0 – 1.4 mm (0.039 – 0.055 in.) 1.2 – 1.6 mm (0.047 – 0.063 in.) 10.8 – 11.0 mm (0.425 – 0.433 in.) 10.7 mm (0.421 in.)
Valve guide bushing	Inside diameter Outside diameter (for repair part) STD O/S 0.05	6.010 – 6.030 mm (0.2366 – 0.2374 in.) 11.033 – 11.044 mm (0.4344 – 0.4348 in.) 11.083 – 11.094 mm (0.4363 – 0.4368 in.)
Valve	Valve overall length STD Intake Exhaust Minimum Intake Exhaust Valve face angle Stem diameter Intake Exhaust	98.29 – 98.79 mm (3.8697 – 3.8894 in.) 98.84 – 99.34 mm (3.8913 – 3.9110 in.) 98.19 mm (3.8657 in.) 98.74 mm (3.8874 in.) 44.5° 5.970 – 5.985 mm (0.2350 – 0.2356 in.) 5.965 – 5.980 mm (0.2348 – 0.2354 in.)

SERVICE SPECIFICATIONS – ENGINE MECHANICAL

Valve (cont'd)	Stem oil clearance	STD Intake	0.025 – 0.060 mm (0.0010 – 0.0024 in.)
		Exhaust	0.030 – 0.065 mm (0.0012 – 0.0026 in.)
	Margin thickness	Maximum Intake	0.08 mm (0.0031 in.)
		Exhaust	0.10 mm (0.0039 in.)
Valve spring	Free length	STD	0.8 – 1.2 mm (0.031 – 0.047 in.)
		Minimum	0.5 mm (0.020 in.)
Valve lifter	Lifter diameter	Maximum	2.0 mm (0.079 in.)
		Pink painted mark	43.71 mm (1.7209 in.)
	Lifter bore diameter	Yellow painted mark	44.10 mm (1.7362 in.)
		Installed tension at 34.5 mm (1.358 in.)	186.2 – 205.8 N (19.0 – 21.0 kgf, 41.9 – 46.3 lbf)
Camshaft	Lifter diameter	STD	30.966 – 30.976 mm (1.2191 – 1.2195 in.)
		Maximum	31.000 – 31.016 mm (1.2205 – 1.2211 in.)
	Lifter bore diameter	STD	0.024 – 0.050 mm (0.0009 – 0.0020 in.)
		Maximum	0.07 mm (0.0028 in.)
Air intake chamber	Thrust clearance	STD	0.080 – 0.190 mm (0.0031 – 0.0075 in.)
		Maximum	0.30 mm (0.0118 in.)
	Cam lobe height	STD Intake	44.310 – 44.360 mm (1.7445 – 1.7465 in.)
		Exhaust	44.250 – 44.350 mm (1.7421 – 1.7461 in.)
		Maximum Intake	44.16 mm (1.7386 in.)
		Exhaust	44.10 mm (1.7362 in.)
	Journal diameter		28.949 – 28.965 mm (1.1397 – 1.1404 in.)
	Journal oil clearance	STD	0.035 – 0.072 mm (0.0014 – 0.0028 in.)
		Maximum	0.10 mm (0.0039 in.)
	Circle runout	Maximum	0.08 mm (0.0031 in.)
Manifold	Warpage	Maximum Intake	0.15 mm (0.0059 in.)
		Exhaust	0.50 mm (0.0196 in.)
Cylinder block	Cylinder head surface warpage	Maximum	0.07 mm (0.0028 in.)
		STD	86.000 – 86.013 mm (3.3858 – 3.3863 in.)
	Cylinder bore diameter	Maximum	86.02 mm (3.3866 in.)
		STD	9.96 – 9.97 mm (0.3921 – 0.3925 in.)
Connecting rod	Main bearing bolt diameter	Maximum	9.7 mm (0.382 in.)
		STD	
	Thrust clearance	STD	0.250 – 0.402 mm (0.0098 – 0.0158 in.)
		Maximum	0.50 mm (0.0197 in.)
	Connecting bolt diameter	STD	8.1 – 8.3 mm (0.319 – 0.327 in.)
		Minimum	8.0 mm (0.315 in.)
	Connecting rod oil clearance	STD STD	0.023 – 0.041 mm (0.0009 – 0.0016 in.)
		U/S 0.25	0.028 – 0.066 mm (0.0011 – 0.0026 in.)
		Maximum STD	0.07 mm (0.0027 in.)
		U/S 0.25	0.08 mm (0.0031 in.)
	Connecting rod bearing center wall thickness (Reference)	STD Mark 1	1.498 – 1.501 mm (0.0590 – 0.0591 in.)
		Mark 2	1.501 – 1.504 mm (0.0591 – 0.0592 in.)
		Mark 3	1.504 – 1.507 mm (0.0592 – 0.0593 in.)
		Mark 4	1.507 – 1.510 mm (0.0593 – 0.0594 in.)
		Mark 5	1.510 – 1.513 mm (0.0594 – 0.0596 in.)
	Bushing inside diameter		22.005 – 22.014 mm (0.8663 – 0.8667 in.)
	Piston pin diameter		21.997 – 22.006 mm (0.8660 – 0.8664 in.)
	Piston pin oil clearance	STD	0.005 – 0.011 mm (0.0002 – 0.0004 in.)
		Maximum	0.05 mm (0.0020 in.)
	Rod out – of alignment	Maximum per 100 mm (3.94 in.)	0.05 mm (0.0020 in.)
	Rod twist	Maximum per 100 mm (3.94 in.)	0.15 mm (0.0059 in.)

Piston and Piston ring	Piston diameter		85.945 – 85.965 mm (3.3837 – 3.3844 in.)
	Piston oil clearance	STD	0.035 – 0.068 mm (0.0014 – 0.0027 in.)
		Maximum	0.10 mm (0.0039 in.)
	Piston ring groove clearance	No.1	0.040 – 0.080 mm (0.0016 – 0.0031 in.)
		No.2	0.030 – 0.070 mm (0.0012 – 0.0028 in.)
	Piston ring end gap	STD No.1	0.300 – 0.470 mm (0.0118 – 0.0185 in.)
		No.2	0.350 – 0.520 mm (0.0138 – 0.0205 in.)
		Oil	0.130 – 0.450 mm (0.0051 – 0.0177 in.)
		Maximum No.1	1.07 mm (0.0421 in.)
		No.2	1.12 mm (0.0441 in.)
		Oil	1.05 mm (0.0413 in.)
Crankshaft	Thrust clearance	STD	0.020 – 0.220 mm (0.0008 – 0.0087 in.)
		Maximum	0.30 mm (0.0118 in.)
	Thrust washer thickness	STD	1.940 – 1.990 mm (0.0764–0.0783 in.)
	Main journal oil clearance	STD STD	0.026 – 0.040 mm (0.0010–0.0016 in.)
		U/S 0.25	0.025 – 0.061 mm (0.0010–0.0024 in.)
		Maximum STD	0.06 mm (0.0024 in.)
		U/S 0.25	0.08 mm (0.0031 in.)
	Main journal diameter	STD	61.984 – 62.000 mm (2.4403 – 2.4409 in.)
		U/S 0.25	61.745 – 61.755 mm (2.4309 – 2.4313 in.)
	Main bearing center wall thickness (Reference)		
		Mark 1	1.994 – 1.997 mm (0.0785 – 0.0786 in.)
		Mark 2	1.997 – 2.000 mm (0.0786 – 0.0787 in.)
		Mark 3	2.000 – 2.003 mm (0.0787 – 0.0789 in.)
		Mark 4	2.003 – 2.006 mm (0.0789 – 0.0790 in.)
		Mark 5	2.006 – 2.009 mm (0.0790 – 0.0791 in.)
	Crank pin diameter	STD	51.982 – 52.000 mm (2.0465 – 2.0472 in.)
		U/S 0.25	51.745 – 51.755 mm (2.0372 – 2.0376 in.)
	Circle runout	Maximum	0.06 mm (0.0024 in.)
	Main journal taper and out-of-round	Maximum	0.02 mm (0.0008 in.)
	Crank pin taper and out-of-round	Maximum	0.02 mm (0.0008 in.)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
No.3 timing belt cover x Cylinder head	8.0	80	71 in.·lbf
Intake air connector x Air intake chamber	28	280	21
Throttle body bracket x Cylinder head	21	210	15
Timing belt plate x Oil pump	8.0	80	71 in.·lbf
Idler pulley x Oil pump	35	350	26
No.1 timing belt cover x Oil pump	8.0	80	71 in.·lbf
Camshaft timing pulley x Camshaft	81	810	60
Straight screw plug x Camshaft timing pulley	15	150	11
No.1 oil pipe x No.3 camshaft bearing cap	55	550	41
Cylinder head cover x Cylinder head	8.5	85	75 in.·lbf
High-tension cord x Cylinder head cover	8.0	80	71 in.·lbf
Timing belt tensioner x Oil pump	27	270	20
Crankshaft pulley x Crankshaft	330	3,300	243
Drive belt tensioner x Cylinder head	21	210	15
No.2 timing belt cover x Cylinder head	8.0	80	71 in.·lbf
PS pump front bracket x PS vane pump	58	590	43
PS pump front bracket x Cylinder block	52	530	38
Camshaft bearing cap x Cylinder head	20	200	14
Water temperature sensor x Cylinder head	19.6	200	14
Engine hanger x Cylinder head	40	400	30
Water outlet x Cylinder head	28	280	21
Cylinder head x Cylinder head	1st 35 2nd Turn 90° 3rd Turn 90°	350 Turn 90° Turn 90°	26 Turn 90° Turn 90°
No.3 camshaft bearing cap x Cylinder head Hexagon bolt	5.0	50	44 in.·lbf
No.4 timing belt cover x Cylinder head	8.0	80	71 in.·lbf
Cylinder head cover x Cylinder head	8.5	85	75 in.·lbf
Intake manifold x Cylinder head	28	280	21
Manifold stay x Intake manifold	40	400	30
Manifold stay x Cylinder block	40	400	30
Vacuum control valve set x Intake manifold	21	210	15
Exhaust manifold x Cylinder head	40	408	30
Front exhaust pipe x Exhaust manifold	44	440	32
Pipe support bracket x Transmission	44	440	32
PS vane pump x Cylinder block	57.9	590	43
PS vane pump x A/C compressor	57.9	590	43
PS pump rear stay x PS pump bracket	39.2	400	29
PS pump rear stay x Manifold stay	39.2	400	30
Engine hanger x Cylinder head	40	400	30
Rear support member x Body	25.5	260	19
Drive plate x Crankshaft	83	850	61
Transmission x Cylinder block	72	730	53
Starter x Transmission	37	380	27
No.1 oil pan x Transmission	37	380	27

Part tightened		N·m	kgf·cm	ft·lbf
Drive plate x Torque converter clutch		48	490	35
Rear support member x Engine rear mounting insulator		13.5	135	10
Front suspension crossmember x Engine mounting insulator		70	714	52
PS gear housing x Front suspension member		65	660	48
Sliding yoke x Steering intermediate shaft		35	360	26
Transmission control rod x Shift lever		13	130	9
Transmission control rod x Transmission		13	130	9
A/C compressor x Cylinder block	Stud bolt	26	265	19
	Bolt and nut	52	530	38
Fuel inlet hose x Fuel pipe support		29	300	22
Front suspension member brace x Front suspension member		58	590	43
Front suspension member brace x Strut bar bracket plate		58	590	43
Connecting rod cap x Connecting rod	1st	30	300	22
	2nd	Turn 90°	Turn 90°	Turn 90°
Main bearing cap x Cylinder block	1st	45	450	33
	2nd	Turn 90°	Turn 90°	Turn 90°
Rear oil seal retainer x Cylinder block		6.0	60	53
Engine mounting bracket x Cylinder block		59	590	44
Fuel inlet pipe x Cylinder block		29	290	21
No.1 oil pipe x Cylinder block		55	550	41
Oil filter bracket x Cylinder block		90	900	66
No.2 water bypass pipe x Water pump		21	210	15
No.2 water bypass pipe x Cylinder block		21	210	15
Alternator x Water pump		40	400	30
Alternator x Cylinder block		40	400	30
Front exhaust pipe x Center exhaust pipe		44	440	32
Center exhaust pipe x Tailpipe		44	440	32
Bracket for tailpipe		12.7	130	9
Oxygen sensor x Front exhaust pipe		45	450	33

EMISSION CONTROL

TORQUE SPECIFICATION

SS0FJ-03

Part tightened	N·m	kgf·cm	ft·lbf
Oxygen sensor x Exhaust manifold	45	450	33
Exhaust manifold x Cylinder head	40	408	30
Front exhaust pipe x Exhaust manifold	44	440	32
Pipe support bracket x Transmission	44	440	32

ELECTRONIC FUEL INJECTION

SS0FK-03

SERVICE DATA

Fuel pressure regulator	Fuel pressure	304 – 343 kPa (3.1 – 3.5 kgf/cm ² , 44 – 50 psi)
Fuel pump	Resistance at 20°C (68°F)	0.2 – 3.0 Ω
Injector	Resistance at 20°C (68°F) Injection volume Difference between each cylinder Fuel leakage	13.4 – 14.2 Ω 60 – 73 cm ³ (3.7 – 4.5 cu in.) per 15 sec. 13 cm ³ (0.8 cu in.) or less 1 drop or less per 12 minutes
Air flow meter	Resistance (THA – E2) at –20°C (–4°F) at 20°C (68°F) at 60°C (140°F)	13.6 – 18.4 kΩ 2.21 – 2.69 kΩ 0.493 – 0.667 kΩ
Throttle body	Throttle body fully closed angle	3.5°
Throttle control motor	Motor (M+ – M–) at 20°C (68°F) Clutch (CL+ – CL–) at 20°C (68°F)	0.3 – 100 Ω 4.2 – 5.2 Ω
Throttle position sensor	Resistance (VC – E2) at 20°C (68°F) Throttle valve opening percentage STD	1.2 – 3.2 kΩ 14.8 ± 0.8 %
Accelerator pedal position sensor	Resistance (VC – E2) at 20°C (68°F) Accelerator pedal position voltage STD	1.2 – 3.2 kΩ 0.3 – 0.9 V
Camshaft timing oil control valve	Resistance at 20°C (68°F)	5.5 – 12 Ω
VSV for EVAP	Resistance at 20°C (68°F)	27 – 33 Ω
VSV for acoustic control induction system (ACIS)	Resistance at 20°C (68°F)	38.5 – 44.5 Ω
Water temperature sensor	Resistance at –20°C (–4°F) 0°C (32°F) 20°C (68°F) 40°C (104°F) 60°C (140°F) 80°C (176°F)	10 – 20 kΩ 4 – 7 kΩ 2 – 3 kΩ 0.9 – 1.3 kΩ 0.4 – 0.7 kΩ 0.2 – 0.4 kΩ
Variable resister	Power source voltage Resistance	4.5 – 5.5 V 4 – 6 kΩ
Oxygen sensor	Heater coil resistance at 20°C (68°F)	11 – 16 Ω
Fuel cut rpm	Fuel return rpm	1,000 rpm

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Fuel line for union bolt for flare nut (for using SST)	29 38 (30)	300 387 (310)	22 28 (22)
Fuel tank vent tube set plate x Fuel tank	3.5	36	31 in·lbf
Fuel inlet hose x Body	9.0	90	80 in·lbf
Delivery pipe x Intake manifold	21	210	15
Fuel pressure pulsation damper x Fuel pipe support	42	420	31
Fuel inlet pipe x Intake manifold	9.0	90	80 in·lbf
No.2 vacuum pipe x Intake manifold	21	210	15
Fuel sender gauge x Fuel tank	1.5	15	13 in·lbf
Fuel tank band x Body	39	400	31
Air flow meter x Air cleaner	10.7	109	8
Throttle body bracket x Throttle body	21	210	15
Throttle body bracket x Cylinder head	21	210	15
Throttle position sensor x Throttle body	1.7	17.5	15 in·lbf
Throttle control motor x Throttle body	3.7	37.5	33 in·lbf
Throttle control motor cover x Throttle body	1.7	17.5	15 in·lbf
Accelerator pedal position sensor x Throttle body	3.7	37.5	33 in·lbf
Camshaft timing oil control valve x No.3 camshaft bearing cap	8.0	80	71 in·lbf
No.3 timing belt cover x Cylinder head cover	8.0	80	71 in·lbf
Intake air connector x Air intake chamber	28	280	21
Air intake chamber x Intake manifold	28	280	21
Vacuum control valve set x Intake manifold	21	210	15
Water temperature sensor x Cylinder head	19.6	200	14
Knock sensor x Cylinder block	44	450	33
PS pump rear stay x Manifold stay	39.2	400	29
PS pump rear stay x PS pump bracket	39.2	400	29
Oxygen sensor x Exhaust manifold	45	450	33
Oxygen sensor x Front exhaust pipe	45	450	33

COOLING

SERVICE DATA

SS0FM-03

Thermostat	Valve opening temperature	80 – 84°C (176 – 183°F)
	Valve lift at 95°C (203°F)	8.5 mm (0.335 in.) or more
Radiator cap	Relief valve opening pressure STD	93 – 123 kPa (0.95 – 1.25 kgf/cm ² , 13.5 – 17.8 psi)
	Minimum	78 kPa (0.8 kgf/cm ² , 11.4 psi)
Electric cooling fan	Rotating amperage at 20°C (68°F)	8.5 – 11.5 A

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Engine drain plug x Cylinder block	30	300	22
Water pump x Cylinder block	21	210	15
Water pump x No.2 water bypass pipe	21	210	15
Generator x Water pump	40	400	30
Generator x Cylinder block	40	400	30
Water bypass outlet x Cylinder head	9.0	90	80 in.·lbf
Water pump pulley x Water pump	14	140	10
Water inlet x Water pump	9.0	90	80 in.·lbf
Oil cooler x Radiator lower tank	8.3	85	74 in.·lbf
Oil cooler x Oil cooler pipe	14.7	150	11
Upper radiator support x Body	13.5	135	10
Electric cooling fan x Radiator	5.0	50	44 in.·lbf

LUBRICATION
SERVICE DATA

SS0DY-04

Oil pressure		at idle speed at 3,000 rpm	49 kPa (0.5 kgf/cm ² , 7 psi) or more 324 kPa (3.3 kgf/cm ² , 47 psi) or more
Oil pump	Tip clearance	STD	0.060 – 0.240 mm (0.0024 – 0.0094 in.)
		Maximum	0.30 mm (0.0118 in.)
	Body clearance	STD	0.100 – 0.175 mm (0.0039 – 0.0069 in.)
		Maximum	0.20 mm (0.0079 in.)
	Side clearance	STD	0.030 – 0.090 mm (0.0012 – 0.0035 in.)
		Maximum	0.12 mm (0.0047 in.)

TORQUE SPECIFICATION

Part tightened		N·m	kgf·cm	ft·lbf
Union bolt x Cylinder block		90	900	66
Oil pressure switch x Union bolt		15	150	11
Oil drain plug x No.2 oil pan		38	380	28
Oil pump body cover x Oil pump body		10	105	8
Plug x Oil pump body		49	500	36
Oil pump x Cylinder block		21	210	15
No.1 oil pan x Cylinder block	12 mm head	21	210	15
	14 mm head	40	400	30
Oil pan baffle plate x No.1 oil pan		9.0	90	80 in.·lbf
Oil strainer x No.1 oil pan		9.0	90	80 in.·lbf
No.2 oil pan x No.1 oil pan		9.0	90	80 in.·lbf
Oil level sensor x No.1 oil pan		5.4	55	48 in.·lbf
Crankshaft position sensor x Oil pump		9.0	90	80 in.·lbf
Oil cooler x Oil filter bracket		80	800	59

IGNITION

SERVICE DATA

SS0FO-03

High-tension cord	Resistance	Maximum	25 kΩ per cord
Spark plug (Conventional tipped type)	Recommended spark plug	DENSO made NGK made	K20TR11 BKR6EKB11 1.1 mm (0.043 in.)
Spark plug (Platinum tipped type)	Recommended spark plug	DENSO made NGK made	PK20TR11 BKR6EKP11 1.1 mm (0.043 in.) 1.3 mm (0.051 in.)
Ignition coil	Primary coil resistance	at cold at hot	0.33 – 0.52 Ω 0.42 – 0.61 Ω
	Secondary coil resistance	at cold at hot	8.5 – 14.7 kΩ 10.8 – 17.2 kΩ
Camshaft position sensor	Resistance	at cold at hot	835 – 1,400 Ω 1,060 – 1,645 Ω
Crankshaft position sensor	Resistance	at cold at hot	1,630 – 2,740 Ω 2,065 – 3,225 Ω

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Spark plug x Cylinder head	18	180	13
Throttle body x Intake air connector	21	210	15
Throttle body bracket x Cylinder head	21	210	15
Throttle body bracket x Throttle body	21	210	15
Throttle body gasket x Intake air connector	21	210	15
Ignition coils and high-tension cord set assembly x Cylinder head	8.0	80	71 in.·lbf
PS pump rear stay x Manifold stay	39.2	400	29
PS pump rear stay x PS pump bracket	39.2	400	29
Camshaft position sensor x Cylinder head	9.0	90	80 in.·lbf
Crankshaft position sensor x Oil pump	9.0	90	80 in.·lbf

STARTING

SERVICE DATA

SS0FQ-03

Starter (Planetary type)	Rated voltage and output power		12 V 1.0 kW
	No-load characteristics	Current	90 A or less at 11.5 V
		rpm	3,000 rpm or more
	Center bearing oil clearance	STD	0.01 – 0.06 mm (0.0004 – 0.0024 in.)
		Maximum	0.2 mm (0.0078 in.)
	Brush length	STD	14.0 mm (0.551 in.)
		Minimum	9.0 mm (0.354 in.)
	Spring installed load	STD	13.7 – 17.6 N (1.4 – 1.8 kgf, 3.1 – 4.0 lbf)
		Minimum	8.8 N (0.9 kgf, 2.0 lbf)
	Commutator		
Starter (Reduction type)	Diameter	STD	28.0 mm (1.102 in.)
		Minimum	27.0 mm (1.063 in.)
	Undercut depth	STD	0.6 mm (0.024 in.)
		Minimum	0.2 mm (0.008 in.)
	Circle runout	Maximum	0.05 mm (0.0020 in.)
	Rated voltage and output power		12 V 1.4 kW
	No-load characteristics	Current	90 A or less at 11.5 V
		rpm	3,000 rpm or more
	Brush length	STD	15.5 mm (0.610 in.)
		Minimum	10.0 mm (0.394 in.)
	Spring installed load	STD	17.6 – 23.5 N (1.8 – 2.4 kgf, 3.9 – 5.3 lbf)
		Minimum	11.8 N (1.2 kgf, 2.6 lbf)
	Commutator		
	Diameter	STD	30.0 mm (1.181 in.)
		Minimum	29.0 mm (1.142 in.)
	Undercut depth	STD	0.6 mm (0.024 in.)
		Minimum	0.2 mm (0.008 in.)
	Circle runout	Maximum	0.05 mm (0.0020 in.)
	Magnetic switch		
	Contact plate for wear	Maximum	0.9 mm (0.035 in.)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Starter x Transmission	37	380	27
Commutator end frame x Brush holder	1.5	15	13 in·lbf
Lead wire x Terminal C of starter			
Planetary type	8.3	85	73 in·lbf
Reduction type	5.9	60	52 in·lbf
Field frame x Armature assembly	5.9	60	52 in·lbf
Starter housing x Magnetic switch			
Planetary type	9.8	100	87 in·lbf
Reduction type	5.9	60	52 in·lbf
End cover x Field frame	1.5	15	13 in·lbf
Terminal nut x Terminal 30 of starter	17	173	13
Terminal nut x Terminal C of starter	17	173	13
Magnetic switch end cover x Magnetic switch	2.5	26	22 in·lbf

CHARGING

SERVICE DATA

SS0E6-04

Battery	Voltage (Maintenance-free battery) at 20°C (68°F)	12.5 – 12.9 V
	Specific gravity (Except maintenance-free battery) at 20°C (68°F)	1.25 – 1.29
Alternator	Rated output	12 V 80 A
	Rotor coil resistance at 20°C (68°C)	2.2 – 2.4 Ω
	Slip ring diameter STD	14.2 – 14.4 mm (0.559 – 0.567 in.)
	Minimum	12.8 mm (0.504 in.)
	Brush exposed length STD	9.5 – 11.5 mm (0.374 – 0.453 in.)
	Minimum	1.5 mm (0.059 in.)
IC regulator	Regulating voltage	13.2 – 14.8 V

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Alternator x Water pump	40	400	30
Alternator x Cylinder block	40	400	30
Bearing retainer x Drive end frame	3.0	31	27 in·lbf
Rectifier end frame x Drive end frame	4.5	46	40 in·lbf
Wire clip x Rectifier end frame	5.4	55	48 in·lbf
Alternator pulley x Rotor	110.5	1,125	81
Rectifier holder x Coil lead on rectifier end frame	2.9	30	26 in·lbf
IC regulator x Rectifier end frame	2.0	20	18 in·lbf
IC regulator x Rectifier holder	2.0	20	18 in·lbf
Brush holder x Rectifier holder	2.0	20	18 in·lbf
Brush holder x Voltage regulator	2.0	20	18 in·lbf
Rear end cover x Rectifier holder	4.4	45	39 in·lbf
Plate terminal x Rectifier holder	Nut	4.4	39 in·lbf
	Bolt	3.9	35 in·lbf
Terminal insulator x Rectifier holder	6.5	67	58 in·lbf

AUTOMATIC TRANSMISSION

SERVICE DATA

SS0CS-04

Line pressure (Wheel locked)		
	Idling	
	D range	395 – 455 kPa (4.0 – 4.6 kgf·cm ² , 57 – 65 psi)
	R range	0
	Stall	
	D range	1,200 – 1,360 kPa (12.2 – 13.8 kgf·cm ² , 174 – 196 psi)
	R range	1,655 – 1,960 kPa (16.9 – 19.8 kgf·cm ² , 240 – 282 psi)
Engine stall revolution (D range)		2,700 ± 150 rpm
Time lag	N → D range	Less than 1.2 seconds
	N → R range	Less than 1.5 seconds
Engine idle speed (N range and A/C OFF)		700 ± 50 rpm
Drive plate runout	Max.	0.20 mm (0.0079 in.)
Torque converter sleeve runout	Max.	0.30 mm (0.0118 in.)
Torque converter installation (Correct distance)		More than 0.1 mm (0.004 in.)
Extension housing oil seal drive in depth from flat end		2.0 mm (0.079 in.)
Shift schedule (Differential gear ratio 3.916)		
D, 4 range		
(Throttle valve fully opened)	1 → 2	53 – 61 km/h (33 – 38 mph)
	2 → 3	81 – 91 km/h (50 – 57 mph)
	3 → 4	124 – 138 km/h (77 – 86 mph)
	4 → 5	177 – 191 km/h (110 – 119 mph)
	5 → 4	171 – 182 km/h (106 – 113 mph)
	4 → 3	112 – 122 km/h (70 – 76 mph)
	3 → 2	63 – 68 km/h (39 – 42 mph)
	2 → 1	34 – 39 km/h (21 – 24 mph)
	4 → 5	39 – 44 km/h (24 – 27 mph)
	5 → 4	22 – 27 km/h (14 – 17 mph)
(Throttle valve fully closed)		
3 range		
(Throttle valve fully opened)	1 → 2	53 – 61 km/h (33 – 38 mph)
	2 → 3	81 – 91 km/h (50 – 57 mph)
	4 → 3	129 – 139 km/h (80 – 86 mph)
	3 → 2	63 – 68 km/h (39 – 42 mph)
	2 → 1	34 – 39 km/h (21 – 24 mph)
2 range		
(Throttle valve fully opened)	1 → 2	53 – 61 km/h (33 – 38 mph)
	3 → 2	87 – 93 km/h (54 – 58 mph)
	2 → 1	34 – 39 km/h (21 – 24 mph)
L range		
(Throttle valve fully opened)	2 → 1	16 – 21 km/h (10 – 13 mph)
Lock-up point (Differential gear ratio 3.916)		
(Throttle valve opening 5 %)		
5th gear (D range)	Lock-up ON	56 – 61 km/h (35 – 38 mph)
	Lock-up OFF	54 – 60 km/h (34 – 37 mph)
4th gear (4 range)	Lock-up ON	56 – 61 km/h (35 – 38 mph)
	Lock-up OFF	54 – 60 km/h (34 – 37 mph)

SERVICE SPECIFICATIONS – AUTOMATIC TRANSMISSION

Flex lock-up point (Differential gear ratio 3.916)		
(Throttle valve opening 3 %)		
D range (When accelerating)	5th gear	Lock-up ON 39 – 44 km/h (24 – 27 mph)
		Lock-up OFF 38 – 43 km/h (24 – 27 mph)
4th gear		Lock-up ON 30 – 34 km/h (19 – 21 mph)
		Lock-up OFF 28 – 33 km/h (17 – 21 mph)
4 range (When accelerating)	4th gear	Lock-up ON 39 – 44 km/h (24 – 27 mph)
		Lock-up OFF 37 – 42 km/h (23 – 26 mph)
(Throttle valve fully closed)		
D range (When deceleration / A/C ON)	5th gear	Lock-up ON 93 – 102 km/h (58 – 63 mph)
		Lock-up OFF 32 – 53 km/h (20 – 33 mph)
4 range (When deceleration / A/C ON)	4th gear	Lock-up ON 93 – 102 km/h (58 – 63 mph)
		Lock-up OFF 24 – 40 km/h (15 – 25 mph)
D range (When deceleration / A/C OFF)	5th gear	Lock-up ON 93 – 102 km/h (58 – 63 mph)
		Lock-up OFF 32 – 37 km/h (20 – 23 mph)
4 range (When deceleration / A/C OFF)	4th gear	Lock-up OFF 21 – 28 km/h (13 – 17 mph)
Shift schedule (Differential gear ratio 3.615)		
D, 4 range		
(Throttle valve fully opened)	1 → 2	57 – 66 km/h (35 – 41 mph)
	2 → 3	88 – 98 km/h (55 – 61 mph)
	3 → 4	135 – 149 km/h (84 – 93 mph)
	4 → 5	191 – 207 km/h (119 – 129 mph)
	5 → 4	185 – 197 km/h (115 – 122 mph)
	4 → 3	122 – 132 km/h (76 – 82 mph)
	3 → 2	68 – 74 km/h (42 – 46 mph)
	2 → 1	37 – 42 km/h (23 – 26 mph)
	4 → 5	43 – 48 km/h (27 – 30 mph)
	5 → 4	24 – 29 km/h (15 – 18 mph)
(Throttle valve fully closed)		
3 range		
(Throttle valve fully opened)	1 → 2	57 – 66 km/h (35 – 41 mph)
	2 → 3	88 – 98 km/h (55 – 61 mph)
	4 → 3	139 – 151 km/h (86 – 94 mph)
	3 → 2	68 – 74 km/h (42 – 46 mph)
	2 → 1	37 – 42 km/h (23 – 26 mph)
2 range		
(Throttle valve fully opened)	1 → 2	57 – 66 km/h (35 – 41 mph)
	3 → 2	94 – 101 km/h (58 – 63 mph)
	2 → 1	37 – 42 km/h (23 – 26 mph)
L range		
(Throttle valve fully opened)	2 → 1	17 – 22 km/h (11 – 14 mph)

Lock-up point (Differential gear ratio 3.615) (Throttle valve opening 5 %)		
5th gear (D range)	Lock-up ON	61 – 66 km/h (38 – 41 mph)
	Lock-up OFF	59 – 65 km/h (37 – 40 mph)
4th gear (4 range)	Lock-up ON	61 – 66 km/h (38 – 41 mph)
	Lock-up OFF	59 – 65 km/h (37 – 40 mph)
Flex lock-up point (Differential gear ratio 3.615) (Throttle valve opening 3 %)		
D range (When accelerating) 5th gear	Lock-up ON	43 – 48 km/h (27 – 30 mph)
	Lock-up OFF	41 – 46 km/h (25 – 29 mph)
4th gear	Lock-up ON	32 – 37 km/h (20 – 23 mph)
	Lock-up OFF	30 – 36 km/h (19 – 22 mph)
4 range (When accelerating) 4th gear	Lock-up ON	42 – 47 km/h (26 – 29 mph)
	Lock-up OFF	40 – 46 km/h (25 – 29 mph)
(Throttle valve fully closed)		
D range (When deceleration / A/C ON) 5th gear	Lock-up ON	100 – 111 km/h (62 – 69 mph)
	Lock-up OFF	35 – 58 km/h (22 – 36 mph)
4 range (When deceleration / A/C ON) 4th gear	Lock-up ON	100 – 111 km/h (62 – 69 mph)
	Lock-up OFF	26 – 44 km/h (16 – 27 mph)
D range (When deceleration / A/C OFF) 5th gear	Lock-up ON	100 – 111 km/h (62 – 69 mph)
	Lock-up OFF	35 – 40 km/h (22 – 25 mph)
4 range (When deceleration / A/C OFF) 4th gear	Lock-up ON	100 – 111 km/h (62 – 69 mph)
	Lock-up OFF	26 – 31 km/h (16 – 19 mph)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Transmission output flange x Output shaft	126	1,280	93
Extension housing x Transmission case	34	345	25
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
Shift solenoid valve No.1, No.3, SLU and SLT set bolt	6.4	65	56 in.·lbf
Shift solenoid valve No.2, No.4 and SLN set bolt	10	100	7
Shift solenoid valve x Valve body	10	100	7
Valve body x Transmission case	10	100	7
Shift lever assembly x Body	8.3	85	74 in.·lbf
Control shaft x Control lever	13	128	9
Shift lock control unit assembly x Shift lever plate	2.0	20	17 in.·lbf
Shift lever housing set bolt and nut	3.9	40	35 in.·lbf
Exhaust manifold with TWC set nut	39	400	29
Heated oxygen sensor x Front exhaust pipe	44	450	33
Front floor center brace x Body	7.4	75	65 in.·lbf
Front exhaust pipe x Exhaust manifold	44	450	33
Pipe support bracket x Transmission	44	450	33
Center exhaust pipe x Tail pipe	44	450	33
Front exhaust pipe x Center exhaust pipe	44	450	33
Heat insulator x Body	5.4	55	48 in.·lbf
Shift control rod x Shift lever assembly	13	130	9
Oil cooler pipe union nut	44	450	33
Oil cooler pipe clamp set bolt	5.4	55	48 in.·lbf
Torque converter x Drive plate	48	490	35
Engine rear mounting x Body	26	270	20
Starter x Transmission	37	380	27
Transmission x Engine	17 mm head	72	53
	14 mm head	37	27
Drive plate x Crankshaft	83	850	61

PROPELLER SHAFT

SERVICE DATA

SS0F7-02

Shaft runout	Max.	0.8 mm (0.031 in.)
Joint angle	No.2 joint	$-1^{\circ}01' \pm 37'$
	No.3 joint	$1^{\circ}14' \pm 42'$
Center support bearing adjusting washer thickness		1.0 mm (0.039 in.)
		2.0 mm (0.079 in.)
		2.5 mm (0.098 in.)
		3.0 mm (0.118 in.)
		3.6 mm (0.142 in.)
		4.0 mm (0.157 in.)
		4.5 mm (0.177 in.)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Intermediate shaft x Transmission	79	805	58
Propeller shaft x Differential	79	805	58
Heat insulator x Body	5.4	55	48 in.·lbf
Exhaust pipe assembly x Exhaust manifold	44	450	33
Front floor center brace x Body	7.4	75	65 in.·lbf
Heated oxygen sensor x Exhaust pipe assembly	44	450	33
Center support bearing x Body	37	375	27
Propeller shaft adjusting nut	50 (69)	515 (700)	37 (51)

(): For use without SST

SUSPENSION AND AXLE

SERVICE DATA

SS0FD-02

Cold tire inflation pressure	Europe and middle east (tire size: 225/55R16 94V) Less than 160 km/h (100 mph)	*1Front *1Rear *2Front *2Rear	220 kPa (2.2 kgf/cm ² , 32 psi) 220 kPa (2.2 kgf/cm ² , 32 psi) 240 kPa (2.4 kgf/cm ² , 35 psi) 250 kPa (2.6 kgf/cm ² , 36 psi)
	More than 160 km/h (100 mph)	*1Front *1Rear *2Front *2Rear	240 kPa (2.4 kgf/cm ² , 35 psi) 250 kPa (2.6 kgf/cm ² , 36 psi) 300 kPa (3.1 kgf/cm ² , 44 psi) 340 kPa (3.5 kgf/cm ² , 49 psi)
	Australia and others (tire size: 225/55R16 94V) Less than 140 km/h (87 mph)	*1Front *1Rear *2Front *2Rear	220 kPa (2.2 kgf/cm ² , 32 psi) 220 kPa (2.2 kgf/cm ² , 32 psi) 240 kPa (2.4 kgf/cm ² , 35 psi) 250 kPa (2.6 kgf/cm ² , 36 psi)
	More than 140 km/h (87 mph)	*1Front *1Rear *2Front *2Rear	240 kPa (2.4 kgf/cm ² , 35 psi) 270 kPa (2.8 kgf/cm ² , 39 psi) 300 kPa (3.1 kgf/cm ² , 44 psi) 340 kPa (3.5 kgf/cm ² , 49 psi)
Front wheel alignment	Vehicle height Tire size: 225/55R16	*3Front *4Rear	239 mm (9.41 in.) 225 mm (8.86 in.)
	Camber Left-right error		-0°18' ± 30' (-0.3° ± 0.5°) 30' (0.5°) or less
	Caster Left-right error		7°28' ± 30' (7.47° ± 0.5°) 30' (0.5°) or less
	Steering axis inclination Left-right error		8°54' ± 30' (8.9° ± 0.5°) 30' (0.5°) or less
	Toe-in (total) Rack end length difference		0°09' ± 12' (0.15° ± 0.2°, 1.5 ± 2 mm, 0.06 ± 0.08 in.) 1.5 mm (0.059 in.) or less
	Wheel angle Inside wheel Outside wheel: Reference		38°51' (36°51' - 39°51') 38.85° (36.85° - 39.85°) 32°08' 32.13°
Rear wheel alignment	Camber Left-right error		-0°30' ± 30' (-0.5° ± 0.5°) 30' (0.5°) or less
	Toe-in (total) Link and arm length difference		0°03' ± 12' (0.05° ± 0.2°, 0.5 ± 2 mm, 0.02 ± 0.08 in.) 4.0 mm (0.16 in.) or less
Front axle	Wheel bearing backlash		0.05 mm (0.0020 in.)
	Axle hub deviation		0.05 mm (0.0020 in.)

*1: Up to 4 passengers

*2: More than the 4 passengers

*3: Measure the distance from the ground to the center of the lower suspension arm mounting bolt.

*4: Measure the distance from the ground to the center of the No.2 lower suspension arm mounting bolt.

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Front suspension	Upper ball joint turning torque		1.0 – 3.4 N·m (10 – 35 kgf·cm, 9 – 30 in.·lbf)
	Lower ball joint turning torque		0.1 – 3.0 N·m (1 – 30 kgf·cm, 0.9 – 26 in.·lbf)
	Lower ball joint excessive play		0.9 mm (0.035 in.)
	Stabilizer bar link ball joint turning torque		0.05 – 1.5 N·m (0.5 – 15 kgf·cm, 0.4 – 13 in.·lbf)
Rear axle	Wheel bearing backlash		0.05 mm (0.0020 in.)
	Axle hub deviation		0.07 mm (0.0028 in.)
Rear drive shaft	Drive shaft length	RH	598.5 mm (23.563 in.)
		LH	553.5 mm (21.791 in.)
Rear suspension	Upper ball joint turning torque		1.0 – 3.4 N·m (10 – 35 kgf·cm, 9 – 30 in.·lbf)
	Toe control link ball joint turning torque		1.0 – 2.5 N·m (10 – 25 kgf·cm, 9 – 22 in.·lbf)
	Stabilizer bar link ball joint turning torque		0.05 – 1.0 N·m (0.5 – 10 kgf·cm, 0.4 – 9 in.·lbf)
Rear differential	Drive pinion shaft runout	Maximum	0.08 mm (0.0031 in.)
	Ring gear runout	Maximum	0.05 mm (0.0020 in.)
	Ring gear backlash	Maximum	0.08 – 0.13 mm (0.0031 – 0.0051 in.)
	Drive pinion bearing (at starting)	New bearing	1.5 – 1.8 N·m (15 – 18 kgf·cm, 13.0 – 15.6 in.·lbf)
		Reused bearing	0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus 0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)
	Pinion gear backlash	Maximum	0.15 mm (0.0059 in.)
	Pinion gear backlash adjusting thrust washer		1.50 mm (0.059 in.)
			1.55 mm (0.061 in.)
			1.60 mm (0.063 in.)
			1.65 mm (0.065 in.)
			1.70 mm (0.067 in.)
			1.75 mm (0.069 in.)
			1.80 mm (0.071 in.)
			1.85 mm (0.073 in.)
			1.90 mm (0.075 in.)

Rear differential (con't)	Ring gear backlash adjusting washer	No.	
		02	2.02 mm (0.0795 in.)
		04	2.04 mm (0.0803 in.)
		06	2.06 mm (0.0811 in.)
		08	2.08 mm (0.0819 in.)
		10	2.10 mm (0.0827 in.)
		12	2.12 mm (0.0835 in.)
		14	2.14 mm (0.0843 in.)
		16	2.16 mm (0.0850 in.)
		18	2.18 mm (0.0858 in.)
		20	2.20 mm (0.0866 in.)
		22	2.22 mm (0.0874 in.)
		24	2.24 mm (0.0882 in.)
		26	2.26 mm (0.0890 in.)
		28	2.28 mm (0.0898 in.)
		30	2.30 mm (0.0906 in.)
		32	2.32 mm (0.0913 in.)
		34	2.34 mm (0.0921 in.)
		36	2.36 mm (0.0929 in.)
		38	2.38 mm (0.0937 in.)
		40	2.40 mm (0.0945 in.)
		42	2.42 mm (0.0953 in.)
		44	2.44 mm (0.0961 in.)
		46	2.46 mm (0.0969 in.)
		48	2.48 mm (0.0976 in.)
		50	2.50 mm (0.0984 in.)
		52	2.52 mm (0.0992 in.)
		54	2.54 mm (0.1000 in.)
		56	2.56 mm (0.1008 in.)
		58	2.58 mm (0.1016 in.)
		60	2.60 mm (0.1024 in.)
		62	2.62 mm (0.1031 in.)
		64	2.64 mm (0.1039 in.)
		66	2.66 mm (0.1047 in.)
		68	2.68 mm (0.1055 in.)
		70	2.70 mm (0.1063 in.)
		72	2.72 mm (0.1071 in.)
		74	2.74 mm (0.1079 in.)
		76	2.76 mm (0.1087 in.)
		78	2.78 mm (0.1094 in.)
		80	2.80 mm (0.1102 in.)
		82	2.82 mm (0.1100 in.)
		84	2.84 mm (0.1118 in.)
		86	2.86 mm (0.1126 in.)

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Rear differential (con't)	Tooth contact pattern adjusting washer	No.	
		87	1.87 mm (0.0736 in.)
		88	1.88 mm (0.0740 in.)
		89	1.89 mm (0.0744 in.)
		90	1.90 mm (0.0748 in.)
		91	1.91 mm (0.0752 in.)
		92	1.92 mm (0.0756 in.)
		93	1.93 mm (0.0760 in.)
		94	1.94 mm (0.0764 in.)
		95	1.95 mm (0.0768 in.)
		96	1.96 mm (0.0772 in.)
		97	1.97 mm (0.0776 in.)
		98	1.98 mm (0.0780 in.)
		99	1.99 mm (0.0784 in.)
		00	2.00 mm (0.0788 in.)
		01	2.01 mm (0.0791 in.)
		02	2.02 mm (0.0795 in.)
		03	2.03 mm (0.0799 in.)
		04	2.04 mm (0.0803 in.)
		05	2.05 mm (0.0807 in.)
		06	2.06 mm (0.0811 in.)
		07	2.07 mm (0.0815 in.)
		08	2.08 mm (0.0819 in.)
		09	2.09 mm (0.0823 in.)
		10	2.10 mm (0.0827 in.)
		11	2.11 mm (0.0831 in.)
		12	2.12 mm (0.0835 in.)
		13	2.13 mm (0.0839 in.)
		14	2.14 mm (0.0843 in.)
		15	2.15 mm (0.0846 in.)
		16	2.16 mm (0.0850 in.)
		17	2.17 mm (0.0854 in.)
		18	2.18 mm (0.0858 in.)
		19	2.19 mm (0.0862 in.)
		20	2.20 mm (0.0866 in.)
		21	2.21 mm (0.0870 in.)
		22	2.22 mm (0.0874 in.)
		23	2.23 mm (0.0878 in.)
		24	2.24 mm (0.0882 in.)
		25	2.25 mm (0.0886 in.)
		26	2.26 mm (0.0890 in.)
		27	2.27 mm (0.0894 in.)
		28	2.28 mm (0.0898 in.)

TORQUE SPECIFICATION

Part tighten	N·m	kgf·cm	ft·lbf
FRONT			
Hub nut	103	1,050	76
Brake caliper x Steering knuckle	118	1,200	87
ABS speed sensor x Steering knuckle	7.8	80	69 in·lbf
Steering knuckle x Upper suspension arm	87	890	64
Lower ball joint x Steering knuckle	113	1,150	83
Brake dust cover x Steering knuckle	8.3	85	74 in·lbf
ABS speed sensor wire harness x Shock absorber	5.0	55	48 in·lbf
Stabilizer bar x Stabilizer bar link	55	560	41
Shock absorber bracket x Shock absorber	157	1,600	116
Piston rod x Suspension support No.2	27	280	20
Suspension support x Body	56	570	41
Upper suspension arm x Body	53	540	39
Stabilizer bar link x No.2 lower suspension arm	113	1,150	83
Height control link x Shock absorber bracket	5.4	55	48 in·lbf
No.2 lower suspension arm x No.1 lower suspension arm	164	1,690	122
No.2 lower suspension arm x Lower ball joint	162	1,650	119
Strut bar bracket x Body	A	58	43
	B	152	112
No.2 lower suspension arm x Body	172	1,755	127
Shock absorber bracket x No.1 lower suspension arm	59	600	44
Tie rod end x Lower ball joint	87	890	64
Stabilizer bar bracket x Body	28	290	21
Tie rod end lock nut	56	570	41
Axle hub lock nut	199	2,030	147
Suspension member brace x Body	58	590	43

SERVICE SPECIFICATIONS – SUSPENSION AND AXLE

Part tighten		N·m	kgf·cm	ft·lbf
REAR				
Hub nut		103	1,050	76
Brake caliper x Axle carrier		104	1,065	77
Axle carrier x Upper suspension arm		108	1,100	80
Backing plate x Axle carrier		59	600	43
Drive shaft x Axle hub		289	2,950	213
No.2 lower suspension arm x Axle carrier		110	1,120	81
No.1 lower suspension arm x Axle carrier		75	765	55
Drive shaft x Differential side gear shaft		83	850	61
Differential drain plug		49	500	39
Differential filler plug		49	500	39
Differential mounting bolt	Front	123	1,250	90
	Rear	142	1,450	105
Ring gear set bolt		See page SA-73		
Companion flange lock nut		See page SA-73		
Differential carrier retainer set bolt		22	225	16
Differential carrier cover set bolt		47	475	34
Breather plug		21	210	15
Suspension support x Body	Upper side	64	650	47
	Lower side	18	185	13
Piston rod x Suspension support		27	280	20
Upper suspension arm x Body		88	900	65
No.1 lower suspension arm x Body		75	765	55
No.2 lower suspension arm x Stabilizer bar link x Height control sensor link		30	305	22
No.2 lower suspension arm x Shock absorber		110	1,120	81
No.2 lower suspension arm x Body		110	1,120	81
ABS speed sensor wire harness x Toe control link		5.4	55	48 in.·lbf
Toe control link x Axle carrier		59	600	44
Toe control link x Body		59	600	44
Stabilizer bar x Stabilizer bar link		65	660	48
Stabilizer bar bracket x Body		18	185	13
ABS speed sensor x Axle carrier		7.8	80	69 in.·lbf
Parking brake cable x Backing plate		7.8	80	69 in.·lbf
Suspension member brace x Body		50	510	37
Differential x Propeller shaft		79	805	58
Oil deflector x Differential carrier cover		7.0	70	62 in.·lbf

BRAKE

SERVICE DATA

SS062-03

Brake pedal height (from asphalt sheet)		149.0 – 159.0 mm (5.866 – 6.260 in.)
Brake pedal freeplay		0.2 – 2.0 mm (0.008 – 0.079 in.)
Brake pedal reserve distance at 196 N (20 kgf, 44.1 lbf)		More than 93 mm (3.66 in.)
Front brake pad thickness	STD	11.0 mm (0.433 in.)
Front brake pad thickness	Minimum	1.0 mm (0.039 in.)
Front brake disc thickness	STD	32.0 mm (1.260 in.)
Front brake disc thickness	Minimum	30.0 mm (1.181 in.)
Front brake disc runout	Maximum	0.035 mm (0.0014 in.)
Rear brake pad thickness	STD	10.5 mm (0.413 in.)
Rear brake pad thickness	Minimum	1.0 mm (0.039 in.)
Rear brake disc thickness	STD	12.0 mm (0.472 in.)
Rear brake disc thickness	Minimum	10.5 mm (0.413 in.)
Rear brake disc runout	Maximum	0.05 mm (0.0020 in.)
Rear brake disc inside diameter	STD	190 mm (7.48 in.)
Rear brake disc inside diameter	Maximum	191 mm (7.52 in.)
Parking brake shoe lining thickness for rear disc brake	STD	2.5 mm (0.098 in.)
Parking brake shoe lining thickness for rear disc brake	Minimum	1.0 mm (0.039 in.)
Parking brake lever travel at 294 N (30 kgf, 66.1 lbf)		7 – 9 clicks
Parking brake clearance between rear shoe and lever		Less than 0.35 mm (0.0138 in.)
Parking brake adjusting shim thickness for rear disc brake		0.3 mm (0.012 in.) 0.6 mm (0.024 in.) 0.9 mm (0.035 in.)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Brake line union nut	15	155	11
Hydraulic brake booster clevis lock nut	25	260	19
Hydraulic brake booster assembly x Pedal bracket	13	130	9
Bleeder plug	11	110	8
Parking brake pedal assembly x Body	13	130	9
Front brake caliper installation bolt	34	350	25
Front disc brake caliper x Flexible hose	30	310	22
Front disc brake torque plate x Steering knuckle	118	1,200	87
Rear disc brake caliper x Flexible hose	30	310	22
Rear disc brake caliper x Rear axle carrier	104	1,065	77
Reservoir set screw	1.7	17.5	15.2 in.·lbf
Oil presser sensor x Hydraulic brake booster	81	830	60
Accumulator x Booster pump motor	54	550	36
Front speed sensor installation bolt	8.0	82	71 in.·lbf
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 x Body	5.5	56	49 in.·lbf
Rear speed sensor harness x Toe control arm	5.0	51	44 in.·lbf
Rear seatback x Body	18	185	13

STEERING

SERVICE DATA

SSoF3-02

POWER STEERING FLUID		
Fluid level rise	Maximum	5 mm (0.20 in.)
Fluid pressure at idle speed with valve closed	Minimum	8,336 kPa (85 kgf/cm ² , 1,209 psi)
STEERING WHEEL		
Steering wheel freeplay	Maximum	30 mm (1.18 in.)
Steering effort at idle speed	Maximum	7 N·m (70 kgf·cm, 61 in.·lbf)
PS VANE PUMP		
Vane pump rotating torque	Maximum	0.25 N·m (2.5 kgf·cm, 2.2 in.·lbf)
Oil clearance between pump shaft and bushing	STD	0.03 – 0.05 mm (0.0012 – 0.0020 in.)
Oil clearance between pump shaft and bushing	Maximum	0.07 mm (0.0028 in.)
Vane plate height	Minimum	8.6 mm (0.339 in.)
Vane plate thickness	Minimum	1.40 mm (0.0551 in.)
Vane plate length	Minimum	14.99 mm (0.5902 in.)
Clearance between the rotor groove and plate	Maximum	0.033 mm (0.0013 in.)
Vane plate length	Pump rotor and cam ring mark	
	NONE	14.999 – 15.001 mm (0.59051 – 0.59059 in.)
	1	14.997 – 14.999 mm (0.59043 – 0.59051 in.)
	2	14.995 – 14.997 mm (0.59035 – 0.59043 in.)
	3	14.993 – 14.995 mm (0.59027 – 0.59035 in.)
	4	14.991 – 14.993 mm (0.59020 – 0.59027 in.)
Spring free length	Minimum	33.2 mm (1.307 in.)
POWER STEERING GEAR		
Steering rack runout	Maximum	0.30 mm (0.0118 in.)
Total preload (Control valve rotating torque)		0.5 – 1.7 N·m (4.7 – 17.2 kgf·cm, 4.1 – 14.9 in.·lbf)
PROGRESSIVE POWER STEERING (PPS)		
PPS solenoid valve resistance		6 – 11 Ω

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
STEERING COLUMN			
Steering wheel pad set screw (Torx screw)	8.8	90	78 in.·lbf
Steering wheel set nut	35	360	26
Intermediate shaft assembly x Control valve shaft	35	360	26
No.2 intermediate shaft assembly x Intermediate shaft assembly	35	360	26
Column assembly set nut	25	260	19
No.2 intermediate shaft assembly x Main shaft	35	360	26
Column tube support set bolt	12	125	9
POWER STEERING VANE PUMP			
Union bolt	49	500	36
Pump assembly set bolt	58	590	43
Vane pump pulley set nut	43	440	32
Front housing x Rear housing	24	240	17
Oil reservoir set bolt	Front 13	130	9
	Rear 24	240	17
Solenoid valve x Front housing	51 (69)	524 (700)	38 (51)
POWER STEERING GEAR			
Intermediate shaft assembly x Control valve shaft	35	360	26
Pressure feed and return tube set union bolt	42	430	31
PS gear assembly set bolt	65	660	48
Tube clamp set bolt	5	55	48 in.·lbf
Turn pressure tube	20 (25)	203 (250)	15 (18)
Tie rod end Lock nut	55	560	41
Rack end x Steering rack	76 (103)	770 (1,050)	56 (76)
Rack guide spring cap lock nut	51 (69)	521 (700)	38 (51)
Rack guide spring cap	25	250	18
Control valve assembly set bolt	18	185	13
Bearing guide nut	25	250	18
Cylinder end stopper	59	600	43

(): For use without SST

SUPPLEMENTAL RESTRAINT SYSTEM

TORQUE SPECIFICATION

SS0FC-01

Part tightened	N·m	kgf·cm	ft·lbf
Steering wheel	35	360	26
Steering wheel pad	7.1	72	63 in·lbf
Front passenger airbag assembly x Instrument panel	5.6	57	49 in·lbf
Front passenger airbag assembly x Instrument panel reinforcement	20	205	15
Side airbag assembly x Seatback frame	5.4	55	48 in·lbf
Airbag sensor assembly	20	200	14
Front airbag sensor	20	200	14
Side airbag sensor assembly	20	200	14

BODY ELECTRICAL

SERVICE DATA

SSOCN-05

DAYTIME RUNNING LIGHT RELAY (MAIN) (Wire Harness Side)	
1 – Ground (Ignition switch position LOCK or ACC)	No voltage
1 – Ground (Ignition switch position ON or START)	Battery positive voltage
3 – Ground (Constant)	Battery positive voltage
5 – Ground (Constant)	Battery positive voltage
8 – Ground (Engine Stop)	No voltage
8 – Ground (Engine Running)	Battery positive voltage
9 – Ground (Constant)	No voltage
9 – Ground (Ground terminal 3)	Battery positive voltage
11 – Ground (Constant)	No voltage
11 – Ground (Ground terminal 3)	Battery positive voltage
12 – Ground (Constant)	Battery positive voltage
14 – Ground (Constant)	No voltage
14 – Ground (Ground terminal 5)	Battery positive voltage
AUTOMATIC LIGHT CONTROL SENSOR	
(Connector disconnected)	
4 – Ground (Ignition switch position LOCK or ACC)	No voltage
4 – Ground (Ignition switch position ON)	5.2 – 9.0 V
(Connector connected)	
1 – Ground (Ignition switch position LOCK or ACC)	No voltage
1 – Ground (Ignition switch position ON)	9.5 V or more
HEADLIGHT BEAM LEVEL CONTROL ECU (HID Type Headlight)	
(Connector disconnected)	
A1 – A5 (Ignition switch position OFF)	26 – 30 Ω
A1 – A6 (Ignition switch position OFF)	26 – 30 Ω
A1 – A7 (Ignition switch position OFF)	26 – 30 Ω
A1 – A8 (Ignition switch position OFF)	26 – 30 Ω
A4 – B4 (Ignition switch position ON and light control switch HEAD)	Below 1.5 V
B1 – B3 (Ignition switch position OFF)	3.5 k – 6.5 k Ω
B5 – B7 (Ignition switch position OFF)	3.5 k – 6.5 k Ω
(Connector disconnected)	
B2 – B3 (Ignition switch position ON)	Approx. 2.5 V
B6 – B7 (Ignition switch position ON)	Approx. 2.5 V
B1 – B3 (Ignition switch position ON)	5V
B5 – B7 (Ignition switch position ON)	5V
TURN SIGNAL FLASHER	
1 – Ground (Ignition switch position LOCK or ACC)	No voltage
1 – Ground (Ignition switch position ON)	Battery positive voltage
4 – Ground (Constant)	Battery positive voltage
LIGHT FAILURE RELAY (Wire Harness Side)	
5 – Ground (Light control switch position OFF)	No voltage
5 – Ground (Light control switch position TAIL or HEAD)	Battery positive voltage
8 – Ground (Ignition switch position LOCK or ACC)	No voltage

8 – Ground (Ignition switch position ON)	Battery positive voltage
9 – Ground (Stop light switch position OFF)	No voltage
9 – Ground (Stop light switch position ON)	Battery positive voltage
10 – Ground (Stop light switch position OFF)	No voltage
10 – Ground (Stop light switch position ON)	Battery positive voltage
SPEEDOMETER (ON-VEHICLE)	
Standard indication (mph) Europe Models	Allowable range (mph)
20	20 – 24.5
40	40 – 46.5
60	60 – 68.5
80	80 – 90.5
100	100 – 112.5
Standard indication (km/h) Europe Models and G.C.C countries	Allowable range (km/h)
20	20 – 26
40	40 – 48
60	60 – 70
80	80 – 92
100	100 – 114
120	120 – 136
140	140 – 158
160	160 – 180
Standard indication (mph) General Countries	Allowable range (mph)
20	21 – 23.5
40	41.5 – 44
60	62.5 – 66
80	83 – 87
100	104 – 108.5
Standard indication (km/h) General Countries	Allowable range (km/h)
20	21 – 25
40	41.5 – 46
60	62.5 – 67
80	83 – 88
100	104 – 109
120	125 – 130.5
140	145.5 – 151.5
160	166 – 173
Standard indication (km/h) Australia	Allowable range (km/h)
40	36 – 44
60	54 – 66
80	72 – 88
100	90 – 110
120	108 – 132
140	126 – 154
160	144 – 176
Speedometer	Resistance (Ω)
A – B	140 – 185 Ω

SERVICE SPECIFICATIONS – BODY ELECTRICAL

C – D	130 – 175 Ω
TACHOMETER (ON-VEHICLE)/ DC 13.5 V 25 °C at (77 °F)	
Standard indication	Allowable range
700	630 – 770
1,000	900 – 1,100
2,000	1,850 – 2,150
3,000	2,800 – 3,200
4,000	3,800 – 4,200
5,000	4,800 – 5,200
6,000	5,750 – 6,250
7,000	6,700 – 7,300
Tachometer	Resistance (Ω)
A – B	140 – 185 Ω
C – D	130 – 175 Ω
FUEL RECEIVER GAUGE	Resistance (Ω)
A – B	140 – 185 Ω
C – D	130 – 175 Ω
FUEL MAIN SENDER GAUGE	
Float position mm (in.)	Resistance (Ω)
F: Approx. 34.6 (1.36) $\pm$ 3 (0.12)	Approx. 2.0 $\pm$ 1.0
1/2: Approx. 52.4 (2.06) $\pm$ 3 (0.12)	Approx. 26.1 $\pm$ 3.0
E: Approx. 134.9 (5.31) $\pm$ 3 (0.12)	Approx. 48.7 $\pm$ 1.0
FUEL SUB SENDER GAUGE	
Float position mm (in.)	Resistance (Ω)
F: Approx. 9.5 (0.37) $\pm$ 3 (0.12)	Approx. 2.0 $\pm$ 1.0
1/2: Approx. 110.5 (4.35) $\pm$ 3 (0.12)	Approx. 33.0 $\pm$ 3.0
E: Approx. 206.5 (8.13) $\pm$ 3 (0.12)	Approx. 61.3 $\pm$ 1.0
WATER TEMPERATURE RECEIVER GAUGE (Resistance)	Resistance (Ω)
A – B	140 – 185 Ω
C – D	130 – 175 Ω
WATER TEMPERATURE SENDER GAUGE (Resistance)	
Temperature °C (°F)	Resistance (Ω)
50 (122.0)	160 – 240
120 (248.0)	17.1 – 21.2
DEFOGGER SWITCH (wire harness side)	
A2 – Ground (Ignition switch position LOCK or ACC)	No voltage
A2 – Ground (Ignition switch position ON)	Battery positive voltage
WIRELESS DOOR LOCK CONTROL RECEIVER	
(Connector disconnected)	
7 – Ground (Constant)	Battery positive voltage
(Connector connected)	
3 – Ground (Ignition switch position OFF, Key removed, Transmitter OFF $\rightarrow$ ON)	4.5 – 5.5 V $\rightarrow$ below 1 V
3 – Ground (Ignition switch position OFF, Key removed, Transmitter OFF $\rightarrow$ ON)	4.5 – 5.5 V $\rightarrow$ below 1 V

4 - Ground (Ignition switch position OFF, Key removed, Transmitter OFF)	10 - 14 V
CD AUTO CHANGER	
(Except Nakamichi made)	
5 - Ground (Constant)	Battery positive voltage
12 - Ground (Ignition switch position LOCK)	No voltage
12 - Ground (Ignition switch position ACC or ON)	Battery positive voltage
POWER AMPLIFIER	
(Except Nakamichi made)	
B4 - Ground (Constant)	Battery positive voltage
C12 - Ground (Ignition switch position LOCK)	No voltage
C12 - Ground (Ignition switch position ACC or ON)	Battery positive voltage
RADIO RECEIVER	
(Except Nakamichi made)	
A4 - Ground (Constant)	Battery positive voltage
A1 - Ground (Ignition switch position ACC or ON)	Battery positive voltage
A1 - Ground (Ignition switch position LOCK)	No voltage
CD AUTO CHANGER	
(Nakamichi made)	
5 - Ground (Constant)	Battery positive voltage
4 - Ground (Ignition switch position LOCK)	No voltage
4 - Ground (Ignition switch position ACC or ON)	Battery positive voltage
POWER AMPLIFIER	
(Nakamichi made)	
A2 - Ground (Constant)	Battery positive voltage
A5 - Ground (Constant)	Battery positive voltage
A6 - Ground (Ignition switch position OFF)	Battery positive voltage
A6 - Ground (Ignition switch position ACC or ON)	Battery positive voltage
RADIO RECEIVER	
(Nakamichi made)	
D1 - Ground (Ignition switch position ACC or ON)	Battery positive voltage
D1 - Ground (Ignition switch position LOCK)	No voltage
D4 - Ground (Constant)	Battery positive voltage

BODY

TORQUE SPECIFICATION

SSOFF-02

Part tightened	N·m	kgf·cm	ft·lbf	
FRONT BUMPER	–	–	–	
Front bumper cover x Body	5.4	55	48 in·lbf	
Reinforcement x Body	29	300	22	
REAR BUMPER	–	–	–	
Reinforcement x Body	28	290	21	
HOOD	–	–	–	
Hood support x Hood	22	225	16	
Hood x Hood hinge	13	130	9	
Radiator support upper seal x Door lock	8.0	82	71	
Hood lock nut x Hood lock	8.0	82	71	
FRONT DOOR	–	–	–	
Outside handle x Door panel	5.5	56	49 in·lbf	
Door lock striker x Door panel	23	235	17	
Door hinge x Body	32.5	331	24	
Door hinge x Door panel	32.5	331	24	
Window regulator x Door panel	11	112	8	
Door lock x Door panel	5.5	56	49 in·lbf	
REAR DOOR	–	–	–	
Outside handle x Door panel	8.0	82	71 in·lbf	
Door hinge x Door panel	32.5	331	24	
Door hinge x Body	32.5	331	24	
Window regulator x Door panel	5.4	55	48 in·lbf	
Door lock x Door panel	5.4	55	48 in·lbf	
OUTSIDE REAR VIEW MIRROR	–	–	–	
Outside rear view mirror x Door panel	5.4	55	48 in·lbf	
LUGGAGE COMPARTMENT DOOR AND HINGE	–	–	–	
Door hinge x Door panel	8.0	82	71 in·lbf	
Door lock striker x Body	5.5	56	49 in·lbf	
Door hinge x Body	12.5	127	9	
FUEL LID	–	–	–	
Lock retainer x Opening lid	5.5	56	49 in·lbf	
Fuel lid lock assembly x Body	Luggage side nut:	5.5	56	49 in·lbf
	Fuel lid side nut:	8.0	82	71 in·lbf
FRONT WIPER AND WASHER	–	–	–	
Wiper arm x Wiper link	22	220	16	
Wiper link x Body	5.4	55	48 in·lbf	
SLIDING ROOF	–	–	–	
Drive rail x Bracket	5.5	56	49 in·lbf	
Sliding roof housing x Body	5.5	56	49 in·lbf	
Drive rail x Bracket	8.0	82	71 in·lbf	
Bracket x Body	8.0	82	71 in·lbf	
Sliding roof glass x Drive gear	5.5	56	49 in·lbf	

INSTRUMENT PANEL	–	–	–
Steering wheel nut	35	360	26
Front passenger airbag assembly x reinforcement	5.6	57	50 in.·lbf
FRONT SEAT	–	–	–
Side airbag assembly x Seatback frame	5.4	55	48 in.·lbf
Seat x Body	37	375	27
Seatback x Seat adjuster	61	622	45
Seat cushion x Seat adjuster	19	194	14
REAR SEAT	–	–	–
Seatback x Body	18	185	13
SEAT BELT	–	–	–
Front Seat Belt:	–	–	–
Adjustable anchor x Body	42	430	31
Shoulder anchor x Adjustable anchor	42	430	31
Outer belt x Front seat	42	430	31
Retractor x Body	Upper Bolt:	7.5	76
	Lower Bolt:	42	430
Inner belt x Seat	42	430	31
Rear Seat Belt:	–	–	–
Floor anchor x Body	42	430	31
Inner belt x Body	42	430	31
Retractor x Body	42	430	31

AIR CONDITIONING

SERVICE DATA

SS0F5-02

Refrigerant volume		600 ± 50 g (21.16 ± 1.76 oz.)
Idle-up Speed	Magnetic clutch not engaged	700 ± 50 rpm
	Magnetic clutch engaged	800 ± 50 rpm
Magnetic clutch clearance		0.5 ± 0.15 mm (0.020 ± 0.0059 in.)

TORQUE SPECIFICATION

Part tightened	N·m	kgf·cm	ft·lbf
Compressor x Discharge hose	10	100	7
Compressor x Suction hose	10	100	7
Compressor x Engine	Bolt	52	38
	Nut	26	19
PS pump x Engine	58	590	43
PS pump bracket x Engine	52	530	38
Compressor bracket x PS pump bracket	52	530	38
Pressure plate x Compressor	13.2	135	9
Service valve x Cylinder block	25	250	18
Front hosing x Cylinder block	25	250	18
A/C unit x Liquid and suction tube	10	100	7
Evaporator x Tube and accessory	4.1	42	36 in.·lbf
Expansion valve x Tube and accessory	4.1	42	36 in.·lbf
Condenser x Discharge hose	10	100	7
Condenser x Liquid tube	10	100	7
Pressure switch x Liquid tube	10	100	7
Water temperature switch x Radiator	7.4	75	65 in.·lbf
Suction line	10	100	7