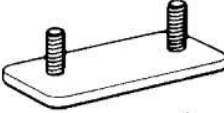

STANDARD BOLT TORQUE SPECIFICATIONS

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STANDARD BOLT TORQUE SPECIFICATIONS

HOW TO DETERMINE BOLT STRENGTH

	Mark	Class		Mark	Class
Hexagon Head bolt	 Bolt head No. 4 – 5 – 6 – 7 –	4T 5T 6T 7T	Stud bolt	 No mark	4T
	 No mark	4T		 Grooved	6T
Hexagon flange bolt w/washer hexagon bolt	 No mark	4T			
Hexagon head bolt	 Two protruding lines	5T			
Hexagon flange bolt w/washer hexagon bolt	 Two protruding lines	6T	Welded bolt		4T
Hexagon head bolt	 Three protruding lines	7T			

SPECIFIED TORQUE FOR STANDARD BOLTS

Class	Diameter mm	Pitch mm	Specified torque					
			Hexagon head bolt			Hexagon flange bolt		
			kg-cm	ft-lb	N·m	kg-cm	ft-lb	N·m
4T	6	1	55	48 in.-lb	5.4	60	52 in.-lb	5.9
	8	1.25	130	9	13	145	10	14
	10	1.25	260	19	25	290	21	28
	12	1.25	480	35	47	540	39	53
	14	1.5	760	55	75	850	61	83
	16	1.5	1,150	83	113	—	—	—
5T	6	1	65	56 in.-lb	6.4	—	—	—
	8	1.25	160	12	16	—	—	—
	10	1.25	330	24	32	—	—	—
	12	1.25	600	43	59	—	—	—
	14	1.5	930	67	91	—	—	—
	16	1.5	1,400	101	137	—	—	—
6T	6	1	80	69 in.-lb	7.8	90	78 in.-lb	8.8
	8	1.25	195	14	19	215	16	21
	10	1.25	400	29	39	440	32	43
	12	1.25	730	53	72	810	59	79
	14	1.5	—	—	—	1,250	90	123
7T	6	1	110	8	11	120	9	12
	8	1.25	260	19	25	290	21	28
	10	1.25	530	38	52	590	43	58
	12	1.25	970	70	95	1,050	76	103
	14	1.5	1,500	108	147	1,700	123	167
	16	1.5	2,300	166	226	—	—	—

Torque Specifications (Cont'd)

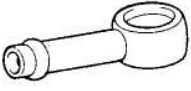
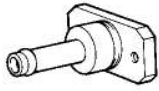
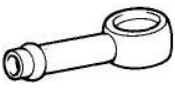
Part tightened	kg-cm	ft-lb	N-m
PS pulley x Crankshaft pulley	185	13	18
Push rod cover x Cylinder block	40	35 in.-lb	3.9
Main bearing cap x Cylinder block			
19 mm bolt head	1,375	99	135
17 mm bolt head	1,175	85	115
Connecting rod cap x Connecting rod	600	43	59
Front end plate x Cylinder block			
Screw	250	18	25
Bolt	310	22	30
Drive plate x Crankshaft	890	64	87

EFI SYSTEM

Specifications

Fuel pressure regulator	Fuel pressure at No vacuum	2.6 – 3.2 kg/cm ² (37 – 46 psi, 255 – 314 kPa)	
Cold start injector	Resistance Fuel leakage	2 – 4 Ω One drop or less per minute	
Injector	Resistance Injection volume Difference between each injector Fuel leakage	Approx. 13.8 Ω 47 – 59 cc (2.9 – 3.6 cu in.) per 15 sec. 5 cc (0.31 cu in.) or less One drop or less per minute	
Throttle position sensor	Clearance between stop screw and lever		Resistance
	0 mm	0 in.	VTA – E2
	0.77 mm	0.0303 in.	IDL – E2
	1.09 mm	0.0429 in.	IDL – E2
	Throttle valve fully opened position		VTA – E2
	—		VC – E2
ISC valve	Resistance B1 – S1 or S3 B2 – S2 or S4	10 – 30 Ω 10 – 30 Ω	
Cold start injector time switch	Resistance STA – E1 below 15°C (59°F) above 30°C (86°F) STA – Ground	30 – 50 Ω 70 – 90 Ω 30 – 90 Ω	
Air flow meter	Resistance E2 – VS E2 – VC E1 – FC	200 – 600 Ω (Measuring plate fully closed) 20 – 1,200 Ω (Measuring plate fully open) 200 – 400 Ω Infinity (Measuring plate fully closed) Zero (Other than closed position)	

SST (SPECIAL SERVICE TOOLS) (Cont'd)

Section	Classification	Part Name	Part No.	Illustration	EM	FI	CH	Note
						●		
			(09268-41080)	(No. 6 Union)		●		
						●		
			(09268-41090)	(No. 7 Union)		●		
						●		
			(90405-09015)	(No. 1 Union)		●		
					A	●		
			09268-45012	(EFI Fuel Pressure Gauge)	A	●		
					C		●	Rotor rear bearing
			09286-46011	(Injection Pump Spline Shaft Puller)	C		●	
					A	●		
			09330-00021	(Companion Flange Holding Tool)	A	●		
					B	●		
			09842-30050	(Wiring "A" EFI Inspection)	B	●		
					B	●		
			09842-30070	(Wiring "F" EFI Inspection)	B	●		

SSM (SPECIAL SERVICE MATERIALS)

Part Name	Part No.	Sec.	Use etc.
Seal packing or equivalent	08826-00080	EM	Main bearing caps No. 1 and No. 4
Adhesive 1324, Three bond 1324, or equivalent	08833-00070	EM	Drive plate mount bolt
Adhesive 1344, Three bond 1344, Loctite 242 or equivalent	08833-00080	EM	Timing gear cover