

Engine Torque Specifications

NO	ITEM	THREAD SIZE AND TYPE	TORQUE		PR VALUES N·m	REMARKS	THREAD DWG. NO.	THREAD DWG. NAME	QTY	SPECIFICATION
			N·m	kgfm						
1	CYLINDER HEAD	M9x1.25	3rd step: 105 \pm 5 ⁰			APPLY OIL	90031-LGC6-E000	BOLT, UBS M9X160	6	NOTE. 3
2	CYLINDER HEAD	M6x1.0	9.8~13.7	1.0~1.4	11.8		96001-06130-06	BOLT FLANGE SH 6*130 (G)	2	
3	CYLINDER HEAD	M18x1.5	31.5~38.5	3.2~3.9	35.0		90085-KKE5-E000	BOLT SEALING 18MM	2	
4	THERMOSTAT COVER	M6x1.0	9.8~13.7	1.0~1.4	11.8		96008-PRA1-E000	BOLT M6x25-8.8 ZNNIV SI	2	
5	EX PIPE STUD BOLT	M8x1.25	6.9~10.8	0.7~1.1	8.9		90033-KGB4-C000	BOLT STUD 8*40	4	
6	SPARK PLUG	M10x1.0	9.8~13.7	1.0~1.4	11.8		98059-57916-00	SPARK PLUG CR8E	2	
7	CAM HOLDER	M6x1.0	9.8~10.8	0.9~1.1	9.8	APPLY OIL	96014-PRA1-E000	BOLT M6x1x40	16	1220D-LGC6-E000 NOTE. 6
8	TENSIONER LIFTER	M18x1.0	17.7~21.6	1.8~2.2	19.6		90005-LEH6-E000	BOLT SPECIAL, M18 x 1.0	1	
9	CAM CHAIN TENSIONER PIVOT	SPECIAL BOLT M8x1.25	7.8~11.8	0.8~1.2	9.8	APPLY OIL	14531-KHE7-9000	PIVOT CAM CHAIN TENSIONER	1	
10	HEAD COVER	M6x1.0	9.8~13.7	1.0~1.4	11.8		90027-PUA5-E000	JACK SCREW M6 VALVE COVER	4	
11	DOWN CASE	M8x1.25	18.6~24.6	1.8~2.5	22.6	APPLY OIL	95801-08090-06	BOLT FLANGE 8*90(G)	6	1110A-LGC6-E000
12	DOWN CASE	M6x1.0	9.8~13.7	1.0~1.4	11.8	APPLY OIL	96001-06090-06	BOLT FLANGE, SH 6x90	8	NOTE. 5
13	DOWN CASE	M6x1.0	9.8~13.7	1.0~1.4	11.8	APPLY OIL	96001-06055-06	BOLT FLANGE SH 6*55(G)	4	
14	DOWN CASE	M6x1.0	9.8~13.7	1.0~1.4	11.8	APPLY OIL	96001-06035-06	BOLT FLANGE SH 6*35(G)	8	
15	CONROD	M8x1.0	1st step:5 2nd step:16 3rd step:45 ⁰			APPLY OIL SW-50	13213-LGC6-E000	BOLT CONN ROD	4	13210-LGC6-E000 SIDE CLEARANCE OF CONNECTION ROD TO BE 0.1 TO 0.25mm
16	OIL PUMP	M6x1.0	7.8~11.8	0.8~1.2	9.8		96001-06035-06	BOLT FLANGE SH 6*35(G)	3	
17	STUD BOLT, 10x35	M10x1.25	9.8~13.7	1.0~1.4	11.8	APPLY LOCTITE 2701	90033-LGC6-E000	BOLT STUD 11, 10 x 35	5	
18	ONEWAY CLUTCH	BOLT SOCKET M6x1.0	7.8~11.8	0.8~1.2	9.8	APPLY THREAD LOCK	95600-LDG7-9000	SOCKET BOLT 6x20	6	
19	ACG FLYWHEEL	N.F. M14x1.25	53.9~63.7	5.5~6.5	58.8	APPLY OIL	90201-KHR8-7520-MI	NUT FLANGE 14MM(C)	1	
20	L COVER	M6x1.0	9.8~13.7	1.0~1.4	11.8		96013-LGC6-E000	BOLT M6x1x35	16	
21	PLUG SCREW SECTION FILTER	M22x1.5	7.8~11.8	0.8~1.2	9.8		15161-LGC6-E000	PLUG SCREW SECTION FILTER	2	
22	MISSION CASE R/L	M10x1.25	29.0~39.0	3.0~4.0	34.0	APPLY OIL	94050-10060	NUT FLANGE 10MM(G)	5	NOTE. 4
23	MAGNETIC SCREW	M16x1.5	25.2~30.8	2.6~3.1	28.0		11205-PUA5-E000	MAGNETIC SCREW M16*1.5	1	
24	L MISSION CASE	M6x1.0	9.8~13.7	1.0~1.4	11.8		96015-PRA1-E000 96018-PRA1-E000	BOLT M6x1x45 BOLT M6x1x60	13 2	
25	WET CLUTCH	M16x1.0	58.5~71.5	5.9~7.3	65.0	APPLY OIL	90204-LGC6-E000	NUT, FLANGE, M16X1.0	1	
26	COVER, L MISSION	M6x1.0	9.8~13.7	1.0~1.4	11.8		96011-PRA1-E000	BOLT M6x1x30	14	
27	CVT CASE	M8x1.25	17.7~21.6	1.8~2.2	19.7		95701-08025-06	BOLT FLANGE 8x25(G)	5	
28	FRONT CVT PULLEY	M18x1.0	75.0~91.3	7.6~9.3	83.0	APPLY OIL	94050-LKF5-E000	NUT FLANGE 18MM	1	
29	DRIVEN PULLEY	M18x1.0	81.0~99.0	8.3~10.0	90.0	APPLY OIL	94001-LGC6-E000	NUT, FLANGE M18X1.0	1	
30	CVT COVER	M8x1.25	17.7~21.6	1.8~2.2	19.7		96033-PRA1-E000	BOLT M8x45	4	
31	CVT COVER	M6x1.0	9.8~13.7	1.0~1.4	11.8		96012-PRA1-E000	BOLT M6x1x30	7	
32	ACG STATOR	M6x1.0	9.8~13.7	1.0~1.4	11.8		96013-LGC6-E000	M6X35-8.8-ZNNIV SI	3	
33	ACG COVER	M14x1.5	6.0~7.0	0.6~0.7	6.5		90084-KKAK-9000	CAP A.C GENERATOR ASSY	1	
34	SW ASSY, POL PRESSURE	PT 1/8	20.3~29.3	2.1~3.0	24.8	APPLY SEAL	35500-KED9-9000	SW ASSY OIL PRESSURE	1	
35	ACG STATER	M5x0.8	7.8~9.8	0.8~1.0	8.8		93500-05016-0F	SCREW PAN 5*16 (G)	2	
36	OIL-WATER HEAT EXCHANGER	M20x1.5	31.5~38.5	3.2~3.9	35.0		15421-PRA1-E000	PIPE OIL FILTER	1	
37	OIL JET	M6x12	9.8~13.7	1.0~1.4	9.8		96005-PRA1-E000	M6x12	2	
38	OIL FLITER	3/4"-16 UNF	8.0~12.0	0.8~1.2	11.0		1541A-LGC6-E000	OIL FILTER ASSY	1	
39	CASE/COVER	M6 x 1.0	5.0~7.0	0.5~0.7	6.0	APPLY LOCTITE 2701	13341-LGC6-E000	GRUB SCREW M6x7	5	

Frame Torque Specifications

No.	ITEM	THREAD SIZE AND TYPE	TORQUE		PR Kg f-m	REMARK	THREAD DWG NO.	Imp #
			Kg f-m	N-m				
1	STEERING							
	HANDLE NUT	M10x1.25	3.0~4.0	30~40	3.5	U NUT	90304-LEA1-9000	A
	STEM NUT(TOP BRID.)	M22x1.5	6.0~6.5	60~65	6.2	—	90304-KKE5-E000	A
	TOP BRIDGE BOLT	M8x1.25	2.0~2.6	20~26	2.3	—	96600-08025-06	A
	BOT BRIDGE BOLT	M8x1.25	2.0~2.6	20~26	2.3	—	96600-08035-06	A
	STEM LOCK	BCI	5.0~6.0	50~60	5.5	—	50306-1F96-0010	A
	RACE NUT(HEAD)	BCI	1.8~2.2	18~22	2.0	—	53220-LGC6-E000	B
2	WHEEL							
	FR AXLE BOLT	M16x1.5	7.0~7.5	70~75	7.2	—	50604-LGC6-E000	A
	RR AXLE NUT	M20x1.5	12~14	120~140	13	U NUT	90306-LBA2-9000	A
3	SUSPENSION							
	FR FORK BOLT	M8x1.25	2.0~2.6	20~26	2.3	—	96600-08035-06	A
	RR. CUSH. UP	M10x1.25	3.5~4.5	35~45	4.0	—	96700-LGC6-E000	A
	RR. CUSH. LWR	M10x1.25	3.5~4.5	35~45	4.0	—	96700-LGC6-E000	A
4	BRAKE							
	FR CALIPER	M10x1.25	3.0~4.0	30~40	3.5	—	90122-LKF5-E000	A
	RR CALIPER	M10x1.25	3.0~4.0	30~40	3.5	—	90131-LGC6-E000	A
	BRK OIL BOLT	M10x1.0	3.0~4.0	30~40	3.5	—	90145-LFHI-E100	A
	BRK OIL BOLT(C/P)	M10x1.0	2.3~2.6	23~26	2.4	—	4335A-LGC6-E000	A
	M/C HOLDER	M5x0.8	0.6~1.0	6~10	0.8	—	A1.68.3W.143	C
	M/C CAP SCREW	M4x0.7	0.08~0.15	0.8~1.5	0.12	—		B
	C/P BLEEDER	M8x1.25	0.4~0.7	4.0~7.0	0.55	—	4335A-LGC6-E000	B
	DISK BOLT	M8x1.25	3.2~3.8	32~38	3.5	—	90105-KCR3-0010	A
5	FRAME							
	ENG SIDE UP	M12x1.5	8.6~9.1	86~91	8.8	U NUT	90306-KLF0-0040	A
	ENG SIDE DOWN(R)	M10x1.25	4.3~4.8	43~48	4.5	—	95801-10055-06	A
	ENG SIDE DOWN(L)	M10x1.25	4.3~4.8	43~48	4.5	—	95801-10060-06	A
	ENG SIDE REAR	M12x1.5	8.6~9.1	86~91	8.8	U NUT	90306-KLF0-0040	A
	FRAME SIDE	M12x1.5	8.6~9.1	86~91	8.8	—	50194-LGC6-E000	A
6	MUFFLER							
	EXH. PIPE	M8x1.25	1.8~2.2	18~22	2.0	—	90033-GFY6-9000	B
	MUFF. BRKT/FRAME	M10x1.25	2.7~3.2	27~32	3.0	FLANGE BOLT	95801-10045-06	A
7	RR FORK							
	RR FORK R/L	M10x1.25	3.0~3.5	30~35	3.2	—	95801-10110-06	A
	RR FORK R/L(DOWN)	M10x1.25	3.5~4.5	35~45	3.7	U NUT	90304-GHE8-0040	A
	SWING AXLE R	M22x1.5	9.5~10.5	95~105	10.0	—	90201-LGC6-E000	A
	SWING AXLE R	M22x1.5	0.6~1.0	6~10	0.8	—	90101-LGC6-E000	A
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	SPDMT SENSOR CABLE	M6x1.0	1.0~1.4	10~14	1.2	—	96001-06012-06	C
	FR BELT SPROCKET	M16x1.5	11.5~12.5	115~125	12.0	U NUT	90304-KNBN-90B	A
	IGN COIL	M6x1.0	1.0~1.4	10~14	1.2	—	95701-06020-06	B
	START RELAY	M6x1.0	0.25~0.35	2.5~3.5	0.3	—	94050-06060	C
	O2 SENSOR	M12x1.25	2.0~3.0	20~30	2.5	—	39450-LEA6-8000	B
	MAIN STAND	M10x1.25	3.0~4.0	30~40	3.5	—	95801-10030-06	A
	MAIN STAND STAY	M10x1.25	3.0~4.0	30~40	3.5	—	95801-10025-06	B
	MAIN STAND APRON	M8x1.25	2.0~2.8	20~28	2.4	U NUT	90309-GLW0-90A	C
	RR CARRIER	M8x1.25	1.8~2.5	18~25	2.1	—	90106-KKC4-9000	C

General Torque Specifications

Item	Torque	
	kgf-m	lb-ft
5 mm bolt, nut	0.45 - 0.6	3.25 - 4.34
6 mm bolt, nut	0.8 - 1.2	5.79 - 8.68
8 mm bolt, nut	1.8 - 2.5	13.02 - 18.08
10 mm bolt, nut	3.0 - 4.0	21.70 - 28.93
12 mm bolt, nut	5.0 - 6.0	36.17 - 43.40
5 mm screw	0.45 - 0.6	3.25 - 4.34
6 mm screw, SH bolt	0.7 - 1.1	5.06 - 7.96
6 mm flange bolt, nut	1.0 - 1.4	7.23 - 10.13
8 mm flange bolt, nut	2.4 - 3.0	17.36 - 21.70
10 mm flange bolt, nut	3.0 - 4.5	21.70 - 32.55