



TORQUE VALUES

• ENGINE

Item	Qty	Thread Dia mm	Torque kg-m (ft-lb)	Remarks
Cylinder head cover	8	6	0.8-1.2 (6-9)	Apply molybdenum disulfide grease to threads and under-side of nuts
Cam holder	24	6	1.2-1.6 (9-12)	
Cylinder head	12	10	3.6-4.0 (26-29)	
Cam sprocket	4	7	2.2-2.6 (16-19)	
Spark plug	4		1.2-1.6 (9-12)	Apply molybdenum disulfide grease to threads and under-side of nuts
Crankcase		8	2.1-2.5 (15-18)	
A.C. generator	1	12	8.0-10.0 (58-72)	
Primary shaft	1	12	8.0-10.0 (58-72)	
Mainshaft	1	16	3.8-4.2 (28-30)	Apply liquid sealant
Drive sprocket	1	10	5.0-5.4 (36-39)	
Connecting rod nut	12		3.0-3.4 (22-25)	
Oil filter center bolt	1		2.8-3.2 (20-23)	
Oil pressure switch	1		1.5-2.0 (11-14)	
Neutral switch	1		1.6-2.0 (11-14)	
Oil drain plug	1	14	3.5-4.0 (25-29)	
Oil pipe	2	10	3.1-3.5 (22-25)	
Spark advancer	1	8	3.3-3.7 (24-27)	
Starting clutch	3	8	2.6-3.0 (19-22)	
Oil filter bolt boss	1		3.5-4.5 (25-33)	

• CHASSIS

Item	Qty	Thread Dia mm	Torque kg-m (ft-lb)	Remarks
Steering stem nut	1	24	8.0-12.0 (58-87)	UBS
Steering handlebar	4	8	1.8-2.5 (13-18)	
Front fork top bridge	2	7	0.9-1.3 (7-9)	
Front fork cap bolt	2		2.0-3.0 (15-22)	
Front fork bottom bridge	2	10	3.0-4.0 (22-29)	
Front axle holder	4	8	1.8-2.5 (13-18)	
Front axle nut	1	12	5.5-6.5 (40-47)	
Front brake disc	5	8	2.7-3.3 (20-24)	
Brake hose bolt	5	10	2.5-3.5 (18-25)	
Front brake caliper carrier	2	10	3.0-4.0 (22-29)	
Front brake caliper A	2	10	3.0-4.0 (22-29)	UBS
Rear axle	1	18	8.0-10.0 (58-72)	
Final driven sprocket	4	12	8.0-10.0 (58-72)	
Swing arm pivot bolt	1	14	5.5-7.0 (40-51)	
Rear brake torque link	1	8	1.8-2.5 (13-18)	
Rear shock absorber				
Upper	1	10	2.0-3.0 (14-22)	
Lower	1	10	3.0-4.0 (22-29)	
Engine hanger bolt	4	10	3.0-4.0 (22-29)	
	1	12	5.5-6.5 (40-48)	See page 13-27
Steering adjustment nut	1	26	→	
Foot peg	1	12	5.5-6.5 (40-47)	
Gearshift pedal	1	6	0.8-1.2 (6-9)	

Fasteners not listed should be tightened to standard torques listed below.

STANDARD TORQUE VALUES

Type	Torque kg-m (ft-lb)	Type	Torque kg-m (ft-lb)
5 mm bolt, nut	0.45-0.6 (3.5-4.5)	5 mm screw	0.35-0.5 (2.5-3.6)
6 mm bolt, nut	0.8-1.2 (6-9)	6 mm screw	0.7-1.1 (5-8)
8 mm bolt, nut	1.8-2.5 (13-18)	6 mm flange bolt, nut	1.0-1.4 (7-10)
10 mm bolt, nut	3.0-4.0 (22-29)	8 mm flange bolt, nut	2.4-3.0 (17-22)
12 mm bolt, nut	5.0-6.0 (36-43)	10 mm flange bolt, nut	3.0-4.0 (22-29)