

TORQUE VALUES

ENGINE	ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N-m (kg-m, ft-lb)	REMARKS
	Oil pressure switch	1	—	12 (1.2, 9)	Apply sealant
	Spark plug	1	12	14 (1.4, 10)	
	Engine oil drain bolt	1	14	35 (3.5, 25)	
	Oil filter	1	20	10 (1.0, 7)	
	Fuel cup	1	24	4 (0.4, 2.9)	
	Valve adjusting screw lock nut	6	7	23 (2.3, 17)	Apply oil
	Drum stopper plate mounting bolt	1	6	12 (1.2, 9)	Apply locking agent
	Primary drive gear mounting bolt	1	12	90 (9.0, 65)	UBS bolt
	Oil pump driven sprocket bolt	1	6	15 (1.5, 11)	
	Clutch lock nut	1	18	130 (13.0, 94)	
	Clutch lifter plate bolt	1	6	10 (1.0, 7)	
	Oil pass pipe bolt (7 mm)	2	7	10 (1.0, 7)	
	(8 mm)	1	8	23 (2.3, 17)	
	Flywheel bolt	1	12	130 (13.0, 94)	Left-hand threads/ UBS bolt
	Starter clutch torx bolt	3	8	30 (3.0, 22)	Apply locking agent
	Cylindr head cover bolt	4	6	10 (1.0, 7)	Special bolt
	Camshaft holder (8 mm bolt)	6	8	23 (2.3, 17)	
	(8 mm nut)	2	8	23 (2.3, 17)	
	(6 mm bolt)	4	6	10 (1.0, 7)	
	Cylinder head (10 mm nut)	8	10	48 (4.8, 35)	
	(8 mm bolt)	4	8	23 (2.3, 17)	
	(8 mm nut)	2	8	23 (2.3, 17)	
	(6 mm bolt)	2	6	10 (1.0, 7)	
	Cam sprocket bolt	4	7	23 (2.3, 17)	
	Cam chain tensioner mounting bolt	4	6	10 (1.0, 7)	
	Connecting rod bearing cap nut	4	9	34 (3.4, 25)	
	Bearing set plate	1	6	10 (1.0, 7)	Apply locking agent
	Timing hole cap	1	14	10 (1.0, 7)	Apply MoS2 grease
	Crankcase hole cap	1	30	15 (1.5, 11)	Apply MoS2 grease
	Gearshift spindle return pin	1	8	23 (2.3, 17)	
	Starter motor cable	2	6	10 (1.0, 7)	
	Drive sprocket	2	6	10 (1.0, 7)	
	Cylinder stud bolt (10 x 193.5 mm)	2	10	40 (4.0, 29)	
	(10 x 197 mm)	6	10	40 (4.0, 29)	
	(8 x 197 mm)	2	8	25 (2.5, 18)	
	Crankcase cover bolt (6 x 35 mm)	12	6	12 (1.2, 9)	
	(6 x 45 mm)	13	6	12 (1.2, 9)	
	Stator socket bolt	4	6	12 (1.2, 9)	
	Thermostatic switch	1	—	18 (1.8, 13)	

FRAME

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N-m (kg-m, ft-lb)	REMARKS
Side cover	2	6	4.3 (0.43, 3)	
Lower cowling	2	6	10 (1.0, 7)	
Seat bolt	2	8	10 (1.0, 7)	
Air cleaner case	4	6	10 (1.0, 7)	
Exhaust pipe protectors	6	6	12 (1.2, 7)	
Choke lever	1	6	10 (1.0, 7)	

GENERAL INFORMATION

FRAME

ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N-m (kg-m, ft-lb)	REMARKS
Rear axle nut	1	16	95 (9.5, 69)	
Spokes (front/rear)	—	B.C. 3.5	3.8 (0.38, 2.7)	
Swingarm/engine pivot nut	1	14	110 (11.0, 80)	Self-locking
Engine mounting nut (upper/lower)	2	10	55 (5.5, 40)	
Engine bracket nut	2	8	27 (2.7, 20)	
Exhaust pipe band bolt	1	8	22 (2.2, 16)	
Exhaust pipe joint nut	4	8	27 (2.7, 20)	Cap nut
Muffler mounting bolt (front)	1	8	40 (4.0, 29)	
(rear)	1	10	65 (6.5, 47)	With carrier
Rear carrier bolt (front/left)	1	8	45 (4.5, 33)	
(rear)	2	8	27 (2.7, 20)	
Turn signal stay bolt	2	8	27 (2.7, 20)	
Handlebar upper holder	4	8	26 (2.6, 19)	
Brake disc	6	8	40 (4.0, 29)	Apply oil
Front wheel hub cover	3	4	1.5 (0.15, 1.1)	
Front axle	1	16	65 (6.5, 47)	
Axle holder nut	4	6	12 (1.2, 9)	
Fork slider socket bolt	2	8	20 (2.0, 14)	
Fork leg pinch bolt (upper)	4	8	27 (2.7, 20)	
(lower)	4	8	35 (3.5, 25)	
Fork tube cap bolt	2	37	23 (2.3, 17)	
Gearshift pedal bolt	1	6	10 (1.0, 7)	
Steering bearing adjustment nut	1	26	3 (0.3, 2.2)	Tighten the nut with the steering stem pushed up.
Steering stem nut	1	24	100 (10.0, 72)	
Driven sprocket nut	6	10	44 (4.4, 32)	Apply oil
Shock absorber lower mount lock nut	1	14	68 (6.8, 49)	Apply locking agent
Shock absorber spring lock nut	1	50	90 (9.0, 65)	
Shock absorber mounting bolt (upper/lower)	2	10	45 (4.5, 33)	Self-locking
Shock arm-to-swing arm nut	1	12	105 (10.5, 76)	
Shock link-to-shock arm nut	1	10	65 (6.5, 47)	Self-locking
Shock link-to-frame nut	1	10	65 (6.5, 47)	Self-locking
Bleed valve	2	8	5.5 (0.55, 4)	
Caliper bolt	1	8	27 (2.7, 20)	
Brake hose joint	1	10	35 (3.5, 25)	
Brake joint nut	1	10	17 (1.7, 12)	
Caliper bracket bolt	2	8	27 (2.7, 20)	
Brake hose bolt	1	10	35 (3.5, 25)	
Caliper pivot bolt	1	8	23 (2.3, 17)	
Side stand pivot nut	1	10	40 (4.0, 29)	Self-locking
Fuel valve lock nut	1	18	40 (4.0, 29)	
Fuel tank mounting bolt	1	8	27 (2.7, 20)	
Rear step holder bracket	3	8	33 (3.3, 24)	
Right foot peg	1	12	85 (8.5, 61)	
Left foot peg	1	10	65 (6.5, 47)	Apply locking agent

Torque specifications listed above are for the most important tightening points. If a specification is not listed, follow the standards below.

STANDARD TORQUE VALUES

TYPE	TORQUE N-m (kg-m, ft-lb)	TYPE	TORQUE N-m (kg-m, ft-lb)
5 mm bolt and nut	5.3 (0.53, 4)	5 mm screw	4.3 (0.43, 3)
6 mm bolt and nut	10 (1.0, 7)	6 mm screw, 6 mm bolt with small head	9 (0.9, 7)
8 mm bolt and nut	22 (2.2, 16)	6 mm flange bolt and nut	12 (1.2, 9)
10 mm bolt and nut	35 (3.5, 25)	10 mm flange bolt, nut	40 (4.0, 29)
12 mm bolt and nut	55 (5.5, 40)		