

## TIGHTENING TORQUE

### ENGINE

ITEM		N-m	kgf-m	lb-ft
Cylinder head cover bolt		14	1.40	10.0
Spark plug		11	1.10	8.0
Camshaft journal holder bolt		10	1.00	7.0
Cam chain tension adjuster bolt		8	0.80	6.0
Cam chain tension adjuster mounting bolt		10	1.00	7.0
Cam chain guide bolt		10	1.00	7.0
Cam chain tensioner mounting bolt		10	1.00	7.0
Cylinder head bolt [M10]	(Initial)	25	2.50	18.0
	(Final)	42	4.20	30.5
Cylinder head bolt [M6]		10	1.00	7.0
Cylinder head side bolt		14	1.40	10.0
Cylinder nut	[M:6]	10	1.00	7.0
Water drain bolt		13	1.30	9.5
Impeller securing bolt		13	1.30	9.5
Clutch sleeve hub nut		50	5.00	36.0
Clutch spring set bolt		5.5	0.55	4.0
Oil plate bolt		10	1.00	7.0
Oil pressure regulator		27	2.70	19.5
Oil strainer plate bolt		10	1.00	7.0
Primary drive gear bolt		70	7.00	50.5
Generator cover plug		11	1.10	8.0
Valve timing inspection plug		23	2.30	16.5
Generator rotor bolt		120	12.00	87.0
Starter clutch bolt		25	2.50	18.0
Generator stator set bolt		10	1.00	7.0
Signal generator set bolt		5.5	0.55	4.0
Gearshift cam stopper bolt		10	1.00	7.0
Gearshift cam stopper plate bolt		10	1.00	7.0
Gearshift arm stopper bolt		23	2.30	16.5
Oil pressure switch		14	1.40	10.0
Crankcase bolt	[M:6]	11	1.10	8.0
	[M:8]	26	2.60	19.0
Generator cover bolt	[M:6]	10	1.00	7.0
Clutch cover bolt	[M:6]	10	1.00	7.0
Water pump case screw		4.5	0.45	3.3
Oil gallery plug	[M:16]	35	3.50	25.5
	[M:8]	18	1.80	13.0
	[M6]	5.5	0.55	4.0
Oil drain plug		21	2.10	15.0
Piston cooling oil jet bolt		10	1.00	7.0
Oil pump mounting bolt		8	0.80	6.0
Conrod bearing cap bolt	(Initial)	35	3.50	25.5
	(Final)	67	6.70	48.5
Exhaust pipe bolt		23	2.30	16.5
Crankcase bearing retainer screw		8	0.80	6.0
Muffler mounting nut		23	2.30	16.5
Muffler joint nut		23	2.30	16.5
Oil pipe stopper screw		8	0.80	6.0
Engine sprocket nut		145	14.50	105.0
Engine mounting pinch bolt		23	2.30	16.5
Engine mounting bolt/nut	[M:12]	93	9.30	67.5
	[M:10]	55	5.50	40.0

ITEM		N-m	kgf-m	lb-ft
Engine mounting thrust adjuster	[Center]	10	1.00	7.0
	[Rear Lower]	10	1.00	7.0
Engine mounting thrust adjuster lock nut	[Center]	45	4.50	32.5
	[Rear Lower]	45	4.50	32.5
Cooling fan thermo-switch		13	1.30	9.5
Engine coolant temperature switch		10	1.00	7.0

## CHASIS

ITEM		N-m	kgf-m	lb-ft
Steering stem head nut		65	6.50	47.0
Front fork upper clamp bolt		23	2.30	16.5
Front fork lower clamp bolt		23	2.30	16.5
Front fork cap bolt		23	2.30	16.5
Front fork damper rod bolt		30	3.00	21.5
Front axle		65	6.50	47.0
Front axle pinch bolt		23	2.30	16.5
Handlebar clamp bolt		23	2.30	16.5
Handlebar holder nut		45	4.50	32.5
Front brake master cylinder mounting bolt		10	1.00	7.0
Front brake caliper mounting bolt		39	3.90	28.0
Brake hose union bolt		23	2.30	16.5
Clutch holder mounting bolt		10	1.00	7.0
Air bleeder valve		7.5	0.75	5.5
Brake disc bolt (Front and Rear)		23	2.30	16.5
Rear brake caliper mounting bolt		26	2.60	19.0
Rear brake caliper housing bolt		30	3.00	21.5
Rear brake master cylinder mounting bolt		10	1.00	7.0
Rear brake master cylinder rod lock nut		18	1.80	13.0
Front footrest bracket mounting bolt		23	2.30	16.5
Front footrest bolt		39	3.90	28.0
Swingarm pivot shaft		15	1.50	11.0
Swingarm pivot shaft nut		100	10.00	72.5
Swingarm pivot shaft lock nut		90	9.00	65.0
Torque link nut (Front and Rear)		35	3.50	25.5
Rear shock absorber mounting bolt/nut (Upper & Lower)		50	5.00	36.0
Rear cushion lever/rod mounting nut		78	7.80	56.5
Rear axle nut		65	6.50	47.0
Rear sprocket nut		60	6.00	43.5