

## TORQUE VALUES

### ENGINE

Item	Q'ty	Thread Size (mm)	Torque		
			N·m	kg·m	ft·lb
Cylinder head socket bolts	3	8 x 1.25	22–28	2.2–2.8	16–20
Cylinder head cap nuts	4	10 x 1.25	35–40	3.5–4.0	25–29
Cylinder stud bolt	4	10 x 1.25	8–12	0.8–1.2	6–9
Crankcase SH bolt	14	6 x 1.0	8–12	0.8–1.2	6–9
Gearshift return spring pin	1	8 x 1.25	18–25	1.8–2.5	13–18
Output drive gear bearing outer lock nut	1	64 x 1.5	90–110	9.0–11.0	65–80
Output gear case socket bolt	3	8 x 1.25	20–25	2.0–2.5	14–18
Output driven gear bearing holder shockt bolt	3	8 x 1.25	20–25	2.0–2.5	14–18
Output driven gear bearing outer lock nut	1	60 x 1.5	90–110	9.0–11.0	65–80
Output driven gear bearing inner lock nut	1	28 x 1.0	70–80	7.0–8.0	51–58
Kick starter stopper plate socket bolt	2	6 x 1.0	10–14	1.0–1.4	7–10
Flywheel bolt	1	12 x 1.25	100–120	10.0–12.0	72–87
Pulse generator screw	2	5 x 0.8	8–12	0.8–1.2	6–9
Right crankcase cover SH bolt	12	6 x 1.0	8–12	0.8–1.2	6–9
Left crankcase cover SH bolt	11	6 x 1.0	8–12	0.8–1.2	6–9
Oil separator plate SH bolt	2	6 x 1.0	8–12	0.8–1.2	6–9
Clutch lock nut	1	18 x 1.0	100–120	10–12	72–87
Clutch lifter cap bolt	4	6 x 1.0	10–14	1.0–1.4	7–10
Centrifugal clutch lock nut	1	20 x 1.0	110–130	11.0–13.0	80–94
Cylinder base bolt	2	6 x 1.0	8–12	0.8–1.2	6–9
Cam sprocket bolt	2	7 x 1.0	17–23	1.7–2.3	12–17
Cylinder head cover SH bolt	7	6 x 1.0	8–12	0.8–1.2	6–9
Valve adjusting lock nut	2	6 x 0.75	15–18	1.5–1.8	11–13
Cam chain guide holder socket bolt	1	6 x 1.0	8–12	0.8–1.2	6–9
Oil pipe bolt	3	7 x 1.0	8–12	0.8–1.2	6–9
Spark plug	1	12 x 1.25	15–20	1.5–2.0	11–14
Intake pipe band screw	1	5 x 0.8	3–5	0.3–0.5	2–4
Oil filter cover SH bolt	3	6 x 1.0	8–12	0.8–1.2	6–9
Neutral/Reverse switch	2	10 x 1.25	11–15	1.1–1.5	8–11
Starter clutch socket bolt	6	8 x 1.25	18–25	1.8–2.5	13–18
Cam chain tensioner lifter SH bolt	2	6 x 1.0	8–12	0.8–1.2	6–9
Alternator stator SH bolt	3	6 x 1.0	8–12	0.8–1.2	6–9
Breather plate socket bolt	1	6 x 1.0	10–14	1.0–1.4	7–10
Clutch adjusting screw lock nut	1	8 x 1.25	19–25	1.9–2.5	14–18
Drain bolt	1	12 x 1.5	15–25	1.5–2.5	11–18
Cam chain tensioner lifter sealing bolt	1	6 x 1.0	8–12	0.8–1.2	6–9