

**TORQUE VALUES**

• ENGINE

Item	Q'ty	Thread Dia. (mm)	Torque N·m (kg·m, ft·lb)	Remarks
Cylinder head cover cap nuts	8	10	35-45 (3.5-4.5, 25-33)	Include the cam chain cover.
cap nuts	4	8	20-25 (2.0-2.5, 14-18)	
bolts	12	8	20-25 (2.0-2.5, 14-18)	
Oil pipe	3	6	10-14 (1.0-1.4, 7-10)	Apply molybdenum disulfide grease to the threads.
Spark plug sleeves	2	30	10-15 (1.0-1.5, 7-11)	
Cam sprocket bolts	4	6	16-20 (1.6-2.0, 12-14)	Special
Connecting rod bearing cap nuts	4	9	41-45 (4.1-4.5, 30-33)	
Output drive shaft bolt	1	10	35-45 (3.5-4.5, 25-33)	Special
Countershaft bolt	1	10	35-45 (3.5-4.5, 25-33)	Special
Output gear case cap nuts	3	8	21-25 (2.1-2.5, 15-18)	Socket bolt
lock nuts	3	8	21-25 (2.1-2.5, 15-18)	
bolts	4	8	30-40 (3.0-4.0, 22-29)	
Output gear bearing lock nuts				
(Inner)	2	—	70-80 (7.0-8.0, 51-58)	
(Outer)	2	—	90-110 (9.0-11.0, 65-80)	
Center shift fork bolt	1	7	16-20 (1.6-2.0, 12-14)	Apply engine oil to the O-ring
Engine oil drain plug	1	14	30-40 (3.0-4.0, 22-29)	
Engine oil filter	1	20	15-20 (1.5-2.0, 11-14)	
Oil pressure switch	1	—	10-14 (1.0-1.4, 7-10)	Apply 3-BOND® (No. 1211) or its equivalent to the bolt threads.
Primary gear bolt	1	12	80-100 (8.0-10.0, 58-72)	Socket bolts
Clutch center lock nut	1	22	45-55 (4.5-5.5, 33-40)	
Clutch cover bolts	7	6	8-12 (0.8-1.2, 6-9)	Socket bolts
Crankcase	12	8	20-25 (2.0-2.5, 14-18)	
Right crankcase cover	14	6	8-12 (0.8-1.2, 6-9)	Socket bolts
Left crankcase cover	9	6	8-12 (0.8-1.2, 6-9)	Socket bolts
Flywheel bolt	1	12	80-100 (8.0-10.0, 58-72)	Left-hand threads
Starter clutch torx bolts	6	8	18-25 (1.8-2.5, 13-18)	Apply LOCTITE® #200 or its equivalent to the bolt threads.
Neutral switch	1	14	10-14 (1.0-1.4, 7-10)	Apply molybdenum disulfide grease to the threads.
Timing cap	1	45	15-20 (1.5-2.0, 11-14)	

• CHASSIS

Item	Q'ty	Tread Dia. (mm)	Torque N·m (kg·m, ft·lb)	Remarks
Handlebar upper holder	4	8	20-30 (2.0-3.0, 14-22)	
Caliper mounting bolts	4	10	30-40 (3.0-4.0, 22-29)	
Front axle	1	12	55-65 (5.5-6.5, 40-47)	
Axle pinch bolt	1	8	18-28 (1.8-2.8, 13-20)	
Front fork socket bolts	2	8	15-25 (1.5-2.5, 11-18)	
Fork tube caps	2	31	15-30 (1.5-3.0, 11-22)	
Steering bearing adjustment nuts	1	26	14-16 (1.4-1.6, 10-12)	
Steering stem nut	1	24	80-120 (8.0-12.0, 58-87)	
Front fork top pinch bolts	2	7	9-13 (0.9-1.3, 7-9)	
Front fork bottom pinch bolts	2	10	45-55 (4.5-5.5, 33-40)	