

Torque Values

Standard			
Fastener Type	Torque N·m (kg-m, ft-lb)	Fastener Type	Torque N·m (kg-m, ft-lb)
5 mm bolt and nut	5 (0.5, 3.5)	5 mm screw	4 (0.4, 2.9)
6 mm bolt and nut	10 (1.0, 7)	6 mm screw	9 (0.9, 6.5)
8 mm bolt and nut	22 (2.2, 16)	6 mm flange bolt (8 mm head)	9 (0.9, 6.5)
10 mm bolt and nut	35 (3.5, 25)	6 mm flange bolt (10 mm head) and nut	12 (1.2, 9)
12 mm bolt and nut	55 (5.5, 40)	8 mm flange bolt and nut	27 (2.7, 20)
		10 mm flange bolt and nut	40 (4.0, 29)

- Torque specifications listed below are for important fasteners.
Others should be tightened to standard torque values listed above.

Engine				
Item	Q'ty	Thread dia. (mm)	Torque N·m (kg-m, ft-lb)	Remarks
Lubrication system:				
Oil pump mounting bolt	1	6	10 (1.0, 7)	
Fuel system:				
Carburetor mounting bolt	2	6	10 (1.0, 7)	
Left shroud mounting bolt	2	6	10 (1.0, 7)	
Intake manifold mounting bolt	4	6	10 (1.0, 7)	
Air cleaner case mounting bolt	2	6	12 (1.2, 9)	
Cylinder head/cylinder/piston:				
Cylinder head bolt	4	6	10 (1.0, 7)	Apply oil to the threads and flange surface.
Spark plug	1	14	14 (1.4, 10)	
Kickstarter/drive pulley/clutch/ driven pulley:				
Left crankcase rear cover bolt	5	6	10 (1.0, 7)	Apply oil to the threads and seating surface.
Left crankcase front cover bolt	5	6	10 (1.0, 7)	
Drive pulley nut	1	12	60 (6.0, 43)	
Clutch outer nut	1	10	40 (4.0, 29)	
Movable drive face seal bolt	3	4	4.5 (0.45, 3.3)	
Clutch drive plate nut	1	28	55 (5.5, 40)	
Final reduction:				
Transmission cover bolt	5	6	10 (1.0, 7)	
Transmission oil level check bolt	1	8	13 (1.3, 9)	
Crankcase/crankshaft:				
Crankcase bolt	6	6	10 (1.0, 7)	
Charging system/alternator:				
Cooling fan cover bolt	2	6	10 (1.0, 7)	
Cooling fan bolt	4	6	8 (0.8, 5.8)	
Flywheel nut	1	10	40 (4.0, 29)	
Stator bolt	2	6	10 (1.0, 7)	
Pulse generator bolt	2	6	10 (1.0, 7)	
Electric starter:				
Starter motor mounting bolt	2	6	10 (1.0, 7)	