

GENERAL INFORMATION

TORQUE VALUES

STANDARD TORQUE VALUES

Item	Torque N·m (kg-m, ft-lb)	Item	Torque N·m (kg-m, ft-lb)
5 mm bolt and nut	5 (0.5, 3.5)	5 mm screw	4 (0.4, 3)
6 mm bolt and nut	10 (1.0, 7)	6 mm screw	9 (0.9, 7)
8 mm bolt and nut	22 (2.2, 16)	6 mm flange bolt (8 mm head)	9 (0.9, 7)
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.

NOTES:

1. Apply a locking agent to the threads.
2. Apply sealant to the threads.
3. Stake.
4. Apply silicone grease to the sliding surface.

ENGINE

Item	Q'ty	Thread dia (mm)	N-m	Torque kg m	ft-lb	Remarks
Lubrication:						
Oil pump driven sprocket bolt	1	6	15	1.5	11	NOTE 1 NOTE 2
Oil pressure switch	1	—	12	1.2	9	
Oil drain bolt	1	12	35	3.5	25	
Oil filter boss	1	20	18	1.8	13	
Oil filter	1	20	10	1.0	7	
Cylinder head/cylinder/piston:						
Cylinder head cover bolt	8	6	10	1.0	7	
Camshaft holder bolt	16	6	12	1.2	9	
Cylinder head cover breather plate bolt	2	6	12	1.2	9	NOTE 1
Cylinder head special nut	12	8	30	3.0	22	
Cylinder head mounting bolt	2	6	12	1.2	9	
Cylinder mounting bolt	1	6	10	1.0	7	
Cylinder stud bolt	12	8	26	2.6	19	
Spark plug	4	10	11	1.1	8	
Clutch/gearshift linkage:						
Crankshaft hole cap	1	30	7	0.7	5	
Timing hole cap	1	14	10	1.0	7	
Clutch center lock nut	1	20	85	8.5	61	NOTE 3
Gearshift spindle return spring pin	1	8	23	2.3	17	
Crankcase/crankshaft/transmission:						
Connecting rod nut	8	7	24	2.4	17	
Crankcase bolt (8 mm)	12	8	24	2.4	17	
(8 mm x 65)	1	8	27	2.7	20	
(6 mm)	19	6	12	1.2	9	
Sealing bolt (lower crankcase)	1	20	30	3.0	22	
Special bolt (lower crankcase)	1	14	25	2.5	18	NOTE 2 NOTE 2
Neutral switch	1	10	18	1.8	13	
Drive sprocket bolt	1	10	55	5.5	40	
Alternator:						
Flywheel bolt	1	10	85	8.5	61	
Starter clutch:						
Starter clutch bolt	1	10	85	8.5	61	