

Torque Values

Standard Fasteners Type	Torque N • m (kg-m, ft-lb)	Fasteners Type	Torque N • m (kg-m, ft-lb)
5 mm hex bolt and nut	5 (0.5, 3.6)	5 mm screw	4 (0.4, 2.9)
6 mm hex bolt and nut	10 (1.0, 7)	6 mm screw	9 (0.9, 6.5)
8 mm hex bolt and nut	22 (2.2, 16)	6 mm flange bolt (8 mm head)	9 (0.9, 6.5)
10 mm hex bolt and nut	35 (3.5, 25)	6 mm flange bolt (10 mm head)	12 (1.2, 9)
12 mm hex bolt and nut	55 (5.5, 40)	and nut	
		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 sealant to the threads.
 2. Apply a locking agent to the threads.
 3. Apply molybdenum disulfide oil to the threads and flange surface.
 4. Stake.
 5. Apply oil to the threads and flange surface.
 6. Apply clean engine oil to the O-ring.
 7. Apply grease to the threads and flange surface.
 8. UBS bolt.
 9. U-nut.
 10. ALOC bolt.

Engine Item	Q'ty	Thread dia. (mm)	Torque N • m (kg-m, ft-lb)	Remarks
Maintenance:				
Timing hole cap	1	45	18 (1.8, 13)	Note 7
Spark plug	4	12	15 (1.5, 11)	
Lubrication System:				
Oil filter boss	1	20	18 (1.8, 13)	Note 2
Oil filter cartridge	1	20	10 (1.0, 7)	Note 5
Oil drain plug	1	14	30 (3.0, 22)	
Oil pass plate	3	6	12 (1.2, 9)	Note 2
Oil pipe C special bolt	2	6	12 (1.2, 9)	Note 2
Oil pump driven sprocket bolt	1	6	15 (1.5, 11)	Note 2
Oil pump assembly flange bolt	3	6	13 (1.3, 9)	
Oil pressure switch	1	PT 1/8	12 (1.2, 9)	Note 1
Oil pressure switch connector bolt	1	4	2.2 (0.22, 1.6)	
Fuel System:				
Carburetor connecting nut, 6 mm	2	6	10 (1.0, 7)	
5 mm	2	5	5.2 (0.52, 3.8)	
Cooling System:				
Water pump flange bolt	2	6	13 (1.3, 9)	
Water pipe D flange bolt	2	6	13 (1.3, 9)	