

# Torque Values

Standard Fastners type	Torque	Fastners type	Torque
	N · m (kg-m, ft-lb)		N · m (kg-m, ft-l)
5mm hex bolt and nut	5 (0.5, 3.5)	5mm screw	4 (0.4, 3)
6mm bolt and nut	10 (1.0, 7)	6mm screw	9 (0.9, 7)
8mm bolt and nut	22 (2.2, 16)	6mm flange bolt (8mm head)	9 (0.9, 7)
10mm hex bolt and nut	35 (3.5, 25)	6mm flange bolt (10mm head)	12 (1.2, 9)
12mm hex bolt and nut	55 (5.5, 40)	and nut	
		8mm flange bolt and nut	27 (2.7, 20)
		10mm flange bolt and nut	40 (4.0, 29)

- Torque specifications listed below are for important fasteners.
- All 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 seating surface.
  4. Left hand threads.
  5. Stake.
  6. Apply oil to the threads and seating surface.
  7. Apply clean engine oil to the O-ring.
  8. Torque wrench scale reading using a special tool.
  9. Apply grease to the threads and seating surface.
  10. UBS bolt.
  11. Do not apply molybdenum disulfide oil to the threads and seating surface.

Engine Item	Q'ty	Thread dia. (mm)	Torque	Remarks
			N · m (kg-m, ft-lb)	
<b>Lubrication System :</b>				
Oil drain bolt	1	12	38 (3.8, 27)	
Oil filter cartridge	1	20	10 (1.0, 7)	
Oil filter boss	1	20	18 (1.8, 13)	
Oil pump driven sprocket bolt	1	6	15 (1.5, 11)	NOTE 2
Special bolt	1	—	50 (5.0, 36)	
<b>Cooling System :</b>				
Thermosensor	1	—	10 (1.0, 7)	NOTE 1
Fanmotor switch	1	—	10 (1.0, 7)	NOTE 1
<b>Fuel System :</b>				
Fuel valve joint bolt	2	10	25 (2.5, 18)	
<b>Cylinder Head :</b>				
Cylinder head bolt	10	9	48 (4.8, 35)	NOTE 3
Spark plug	4	10	12 (1.2, 9)	
Cylinder head cover bolt	6	6	10 (1.0, 7)	
Camshaft holder bolt	20	6	12 (1.2, 9)	
Cylinder head cover breather plate bolt	2	6	12 (1.2, 9)	NOTE 2
Cylinder head stud bolt	8	8	26 (2.6, 19)	
Cam sprocket bolt	4	7	20 (2.0, 14)	NOTE 2
Cylinder head sealing bolt	2	18	33 (3.3, 24)	NOTE 1
<b>Clutch/Gearshift Linkage :</b>				
Clutch center lock nut	1	20	85 (8.5, 61)	NOTE 5
Gearshift spindle return spring pin	1	8	23 (2.3, 17)	NOTE 2
Shift drum center bolt	1	8	23 (2.3, 17)	NOTE 2
Right crankcase cover bolt	10	6	12 (1.2, 9)	