

TORQUE VALUES

STANDARD			
FASTENER TYPE	TORQUE N-m (kgf-m, lbf-ft)	FASTENER TYPE	TORQUE N-m (kgf-m, lbf-ft)
5 mm bolt and nut	5 (0.5, 3.6)	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, small flange)	10 (1.0, 7)
10 mm bolt and nut	34 (3.5, 25)	6 mm flange bolt (8 mm head, large flange)	12 (1.2, 9)
12 mm bolt and nut	54 (5.5, 40)	6 mm flange bolt (10 mm head) and nut	12 (1.2, 9)
		8 mm flange bolt and nut Engine Frame	23 (2.3, 17)
			26 (2.7, 20)
		10 mm flange bolt and nut	39 (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 locking agent to the threads.
 3. Replace with a new one.
 4. Stake.
 5. Apply oil to the threads and seating surface.
 6. Apply engine oil to the O-ring.
 7. U-nut.
 8. ALOC bolt/screw: replace with a new one.
 9. Apply grease to the threads.

ENGINE				
ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N-m (kgf-m, lbf-ft)	REMARKS
MAINTENANCE:				
Spark plug	2	12	14 (1.4, 10)	
Crankshaft hole cap	1	30	15 (1.5, 11)	NOTE 9
Timing hole cap	1	14	10 (1.0, 7)	NOTE 9
Engine oil filter cartridge	1	20	10 (1.0, 7)	NOTE 5, 6
Engine oil drain bolt	1	12	29 (3.0, 22)	
LUBRICATION SYSTEM:				
Oil pressure switch	1	PT 1/8	12 (1.2, 9)	NOTE 1
Oil pressure switch terminal screw	1	4	2 (0.2, 1.4)	
Oil pump bolt	2	6	12 (1.2, 9)	
Oil filter boss	1	20	18 (1.8, 13)	NOTE 2
FUEL SYSTEM:				
Carburetor insulator band bolt	4	5	1 (0.1, 0.7)	
Vacuum joint	1	5	2 (0.25, 1.8)	
Reed valve cover bolt	4	5	5 (0.52, 3.8)	NOTE 2
ENGINE MOUNTING:				
Drive sprocket bolt	1	10	54 (5.5, 40)	
CYLINDER HEAD/VALVE:				
Cylinder head cover bolt	8	6	10 (1.0, 7)	
Breather plate bolt	4	6	12 (1.2, 9)	NOTE 2
Cam sprocket bolt	4	7	20 (2.0, 14)	NOTE 2
Camshaft holder bolt	16	7	21 (2.1, 15)	NOTE 5
Cylinder head bolt	12	10	53 (5.4, 39)	NOTE 5
Cylinder head sealing bolt	2	12	32 (3.3, 24)	NOTE 2
Intake manifold vacuum port socket bolt	1	5	3 (0.34, 2.5)	