

TIGHTENING TORQUE

Locking devices (e.g.: locking tabs, elastic stop nuts ,self-locking fasteners ,etc.) must be installed or replaced with new ones, where specified. If the efficiency of a locking device is impaired, it must be renewed.

In order to avoid a poor assembling, tighten screws, bolts or nuts in accordance with the following recommended torque value:

Grade	Torque(N·m)					
	M6	M8	M10	M12	M14	M16
4.6	4~5	10~12	20~25	36~45	55~70	90~110
5.6	5~7	12~15	25~32	45~55	70~90	110~140
6.8	7~9	17~23	33~45	58~78	93~124	145~193
8.8	9~12	22~30	45~59	78~104	124~165	193~257
10.9	13~16	30~36	65~78	110~130	180~201	280~330
12.9	16~21	38~51	75~100	131~175	209~278	326~434

CAUTION

Be sure to use the proper tightening torque for the proper strength grade. Always torque screws, bolts and / or nuts in a criss-cross sequence.

As for important tightening torques , please refer to following standards.

Installation location	Specifications (mm)	Torque N.m(kgf.m)
Fastening bolt of engine	M10	70(7.1)
Fastening nut of suspension arm	M10	70(7.1)
Bolt of rear shock absorber	M12	80(8.2)
Bolt of front shock absorber	M10	80(8.2)
Fastening nut of wheel rim	M10	80(8.2)
Nut of wheel hub	M22	300(30.6)
Bolt of rear brake/stop pump (calipers)	M10	80(8.2)
Bolt of brake/stop disc	M8	26(2.7)
Bolt of front brake/stop pump (calipers)	M10	80(8.2)
Lock nut of steering rod	M12	80(8.2)
Lock bolt of steering gearbox	M12	140(14.3)
Bolt of exhaust pipe	M8	30(3.1)
Fastening nut of rear differential	M10	80(8.2)
Fastening nut of front differential	M10	80(8.2)
Bolt of front propeller shaft flange	M8	40(4.1)
Bolt of front propeller shaft flange	M10	80(8.2)
Bolt of rear propeller shaft flange	M10	80(8.2)
Spark plug	M12	20(2.0)
Water temperature sensor	M12	16(1.6)
Oil pressure switch	M10	12(1.2)
Adjusting nut of valve clearance	M6	12(1.2)
Main pulley bolt	M12	100(10.2)
Driven pulley bolt	M10	60(6.1)

1. GENERAL INFORMATION

Magneto flywheel bolt	M16	150(15.3)
Magneto stator bolt	M6	12.5(1.3)
One way bolt	M8	30(3.1)
Engine oil drain plug	M12	20(2.0)
Gearbox oil drain plug	M12	20(2.0)
Decompression valve plug	M22	20(2.0)
Cylinder head bolt	M10	60(6.1)
Cylinder head bolt	M6	12.5(1.3)
Connecting rod bolt	M8	50(5.1)
Timing chain wheel bolt	M8	30(3.1)
Front output shaft flange bolt	M8	30(3.1)
Rear output shaft flange bolt	M10	60(6.1)