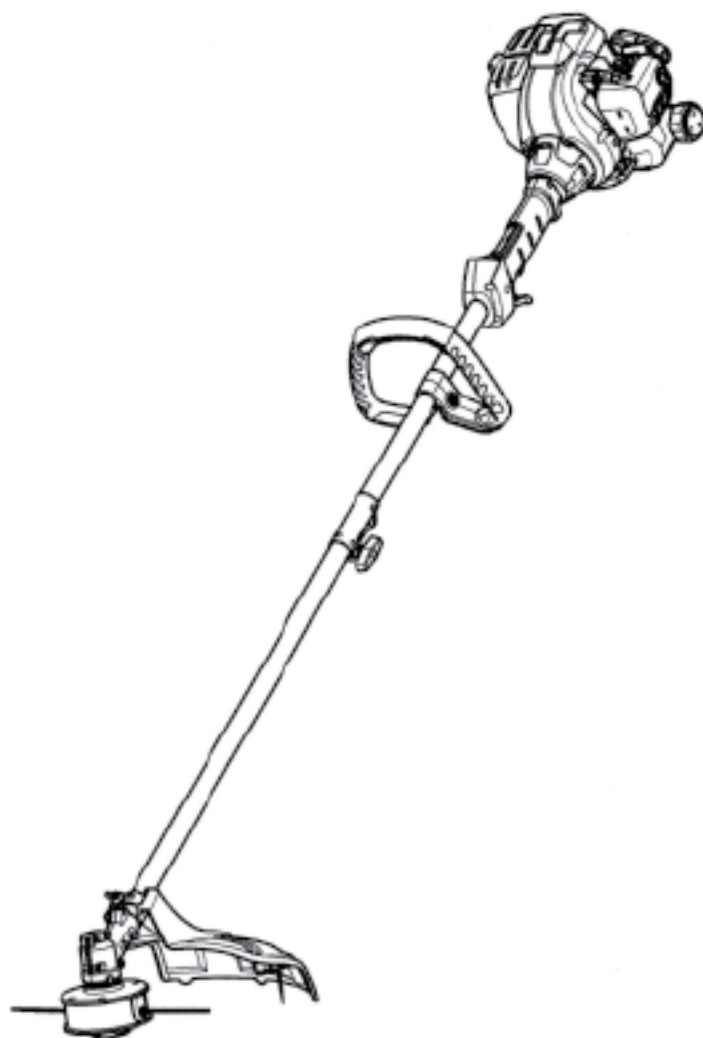




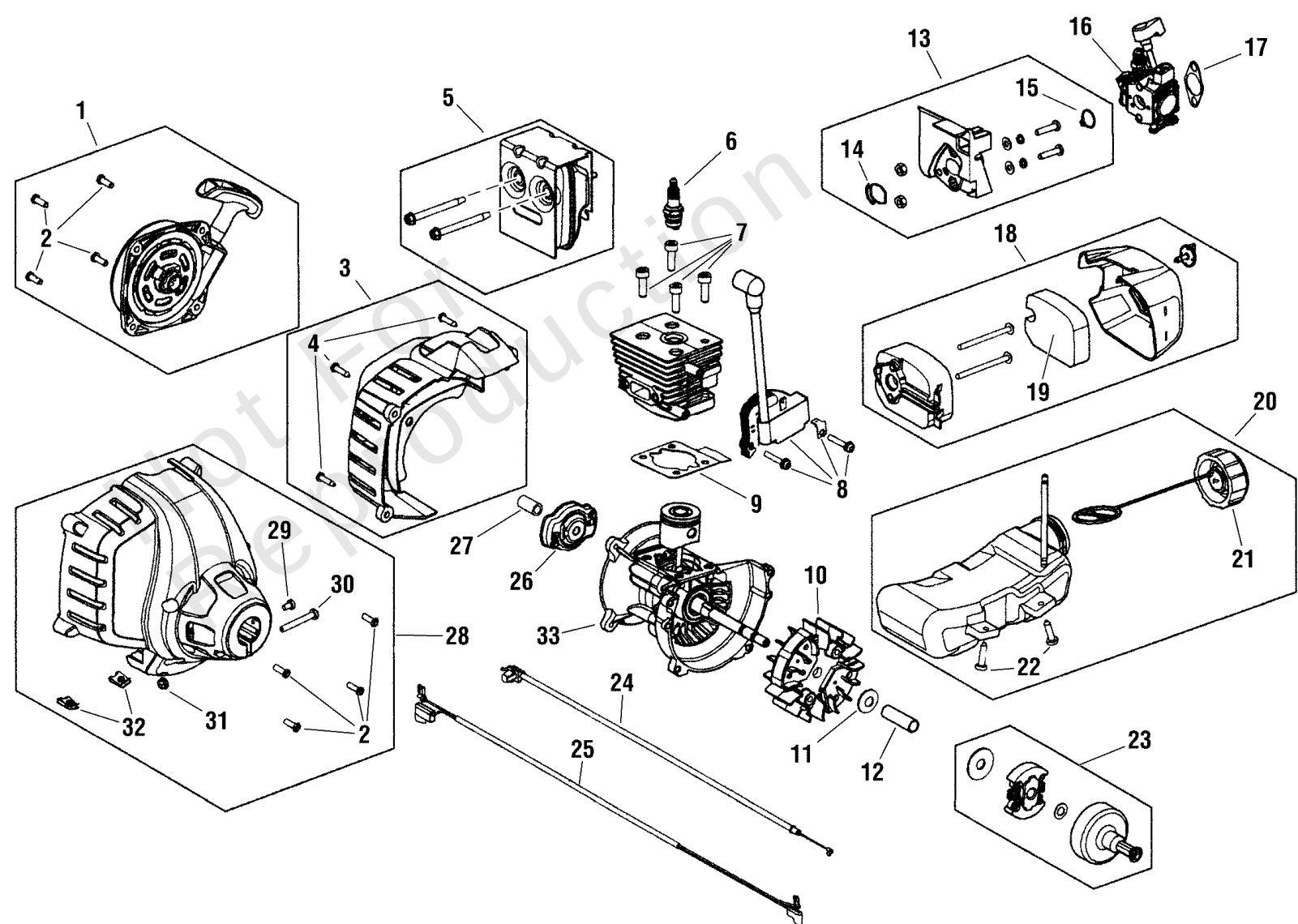
Parts Manual

Mfg. No: 41ADZ24C707
S27SS, 1696842-00, 2-Cycle Straight
Shaft Trimmer



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Not For
Reproduction



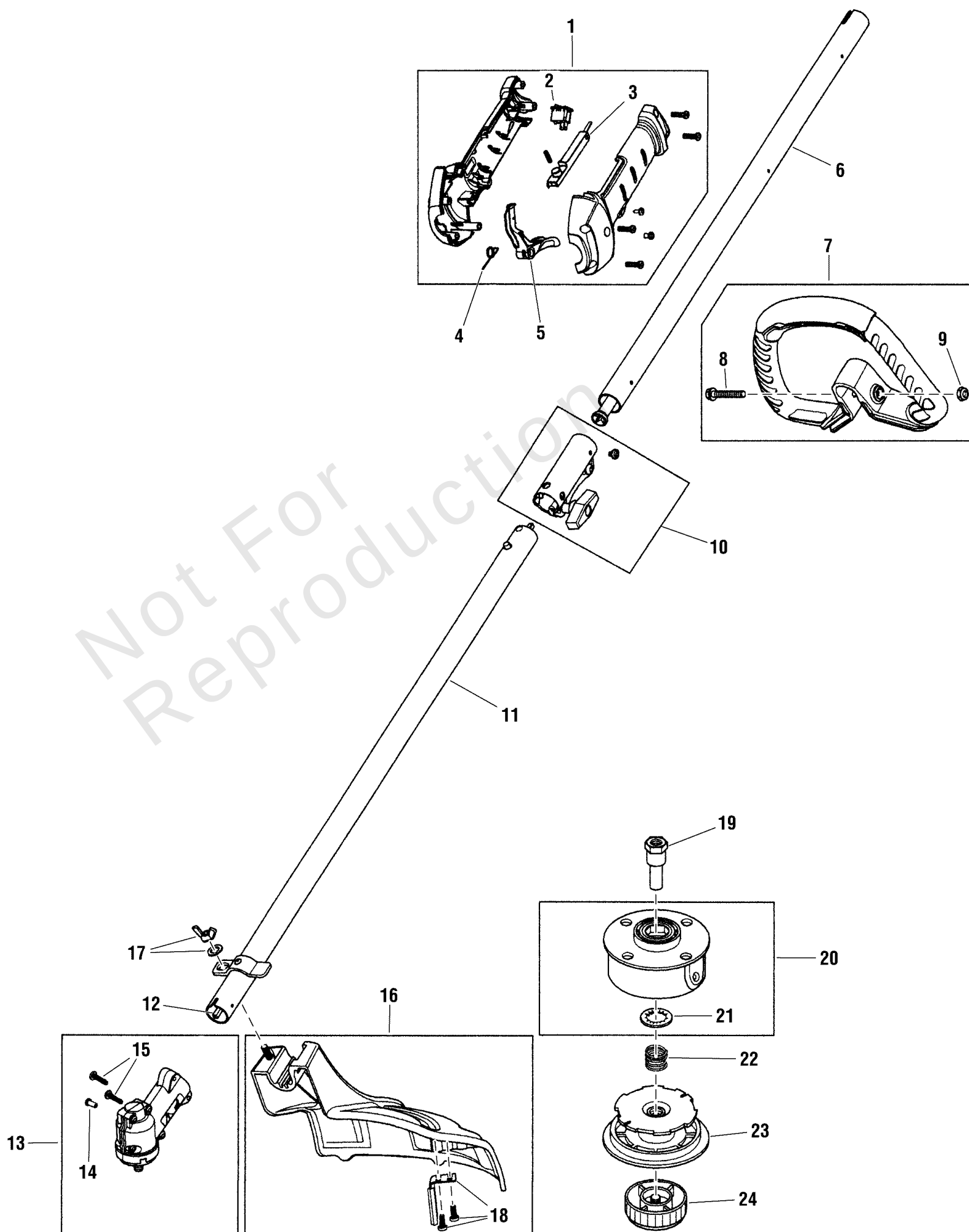
Engine Group

REF NO	PART NO	QTY	DESCRIPTION
1	771522	1	ASSEMBLY, Starter -(Includes 2)
2	771523	4	SCREW, Starter
3	771524	1	COVER, Rear Engine -(Includes 4)
4	771525	3	SCREW, Cover
5	705649	1	Muffler Assembly
6	705647	1	Spark Plug
7	771526	4	BOLT, Cylinder
8	771527	1	ASSEMBLY, Module
9	771528	1	GASKET, Cylinder
10	771529	1	ASSEMBLY, Flywheel
11	771530	1	WASHER
12	771531	1	SPACER
13	705646	1	Insulator Assembly -(Includes 14 & 15)
14	771532	1	O-RING, Insulator
15	771533	1	O-RING, Carburetor
16	771571	1	CARBURETOR
17	705648	1	Carburetor Gasket
18	771572	1	ASSEMBLY, Air Cleaner -(Includes 19)
19	771534	1	FILTER, Air Cleaner
20	771535	1	ASSEMBLY, Fuel Tank -(Includes 20 & 21)
21	771536	1	CAP, Fuel Tank
22	771537	2	SCREW, Fuel Tank
23	771538	1	ASSEMBLY, Clutch
24	771539	1	CABLE, Throttle
25	771540	1	WIRES, Lead
26	771541	1	ASSEMBLY, Pawl
27	771542	1	ADAPTER
28	771543	1	ASSEMBLY, Clutch Cover -(Included 2, 29 - 32)
29	771890	1	SCREW, Anti-Rotation
30	771544	1	SCREW, Clamp
31	771545	1	NUT, Clamp
32	771546	2	NUT, U-Shaped
33	771521	1	ASSEMBLY, Short Block -(Not Shown)(Includes Crankcase, Cylinder, Piston, 5 - 12)

Head, Shaft & Controls Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 41ADZ24C707



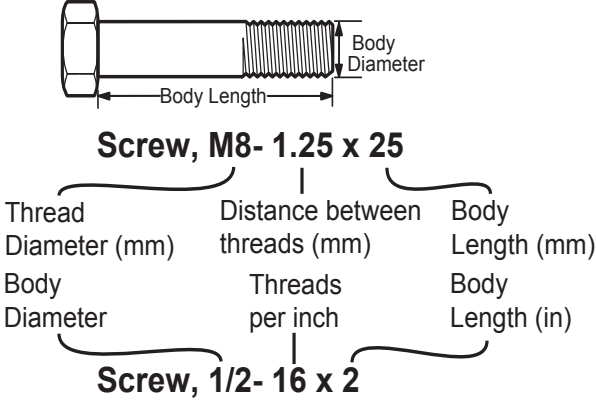
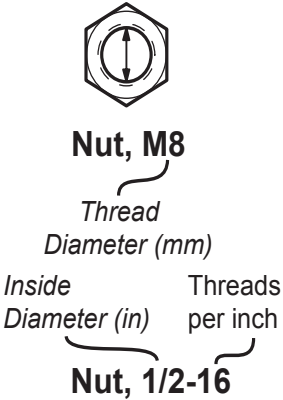
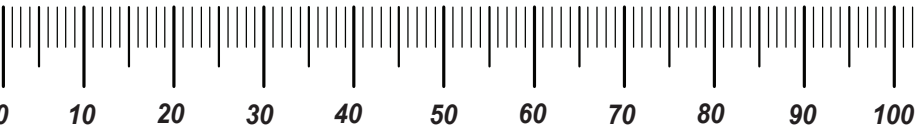
Head, Shaft & Controls Group

REF NO	PART NO	QTY	DESCRIPTION
1	771547	1	ASSEMBLY, Throttle Housing -Includes 2 - 5)
2	771548	1	ASSEMBLY, Tigger Switch
3	771549	1	LOCK-OUT, Throttle
4	771550	1	SPRING, Throttle Trigger
5	771551	1	TRIGGER, Throttle
6	771552	1	ASSEMBLY, Upper Drive Shaft
7	771553	1	ASSEMBLY, D-Handle
8	771554	1	BOLT -(Includes 8 & 9)
9	771555	1	NUT
10	771556	1	COUPLER, Split Boom
11	771557	1	ASSEMBLY, Lower Shaft Housing
12	771558	1	DRIVE SHAFT, Lower Flexible
13	771559	1	ASSEMBLY, Gearbox -(Included 14 & 15)
14	771890	1	SCREW, Anti-Rotation
15	771560	1	HARDWARE, Gearbox Mounting
16	771561	1	ASSEMBLY, Shield -(Includes 17 & 18)
17	771562	1	HARDWARE, Shield Mounting
18	771563	1	ASSEMBLY, Blade -(Not Shown)
19	771564	1	SHAFT, Spool
20	771565	1	ASSEMBLY, Outer Spool -(Includes 21)
21	771566	1	RETAINER
22	771567	1	SPRING
23	771568	1	REEL, Inner
24	771569	1	ASSEMBLY, Bump Head Knob
	771570	1	ASSEMBLY, Bump Head -(Includes 19 - 24)
	771891	1	Assembly, Reel & Line -(Includes 23 & Line)

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

The guides and ruler furnished below are designed to help you select the appropriate hardware.



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

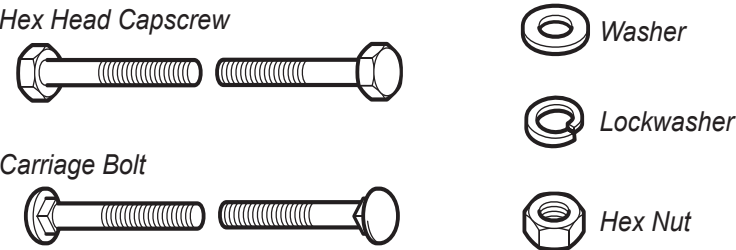
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	 SAE Grade 2		 SAE Grade 5		 SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	29	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types



Wrench & Fastener Size Guide

 1/4" Bolt or Nut Wrench—7/16"	 5/16" Bolt or Nut Wrench—1/2"	 3/8" Bolt or Nut Wrench—9/16"	 7/16" Bolt or Nut Wrench (Bolt)—5/8" Wrench (Nut)—11/16"	 1/2" Bolt or Nut Wrench—3/4"
M6 Bolt or Nut Wrench—10mm	M8 Bolt or Nut Wrench—13mm	M10 Bolt or Nut Wrench—17mm	M12 Bolt or Nut Wrench—19mm	M14 Bolt or Nut Wrench—22mm

