

Parts Manual

Mfg. No: 5600384
800X Snowblower 60" (For Diesel Models)

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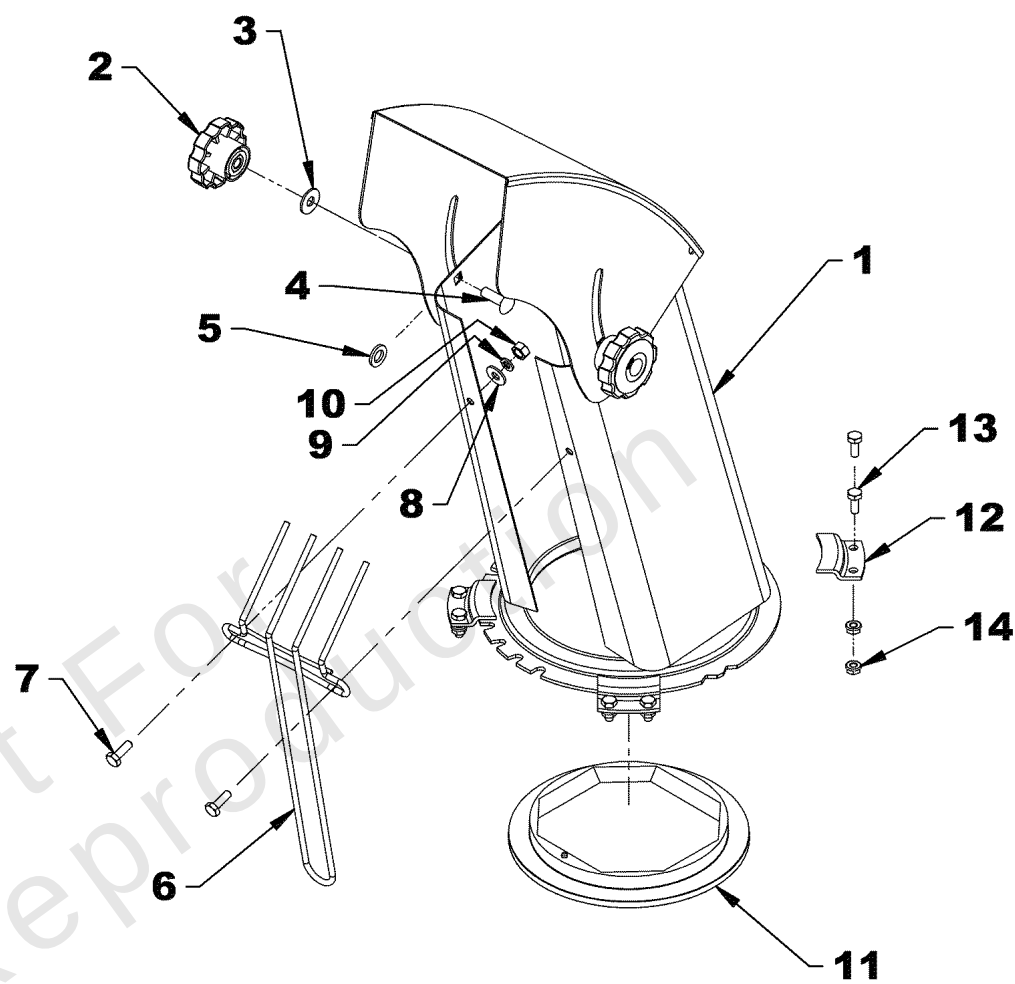
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Chute with Deflector

Note: Unless noted otherwise, use the standard torque specifications Mfg. No: 5600384

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**NOTE: For parts not listed contact the
Parts Department at 1-800-933-6175 x708**

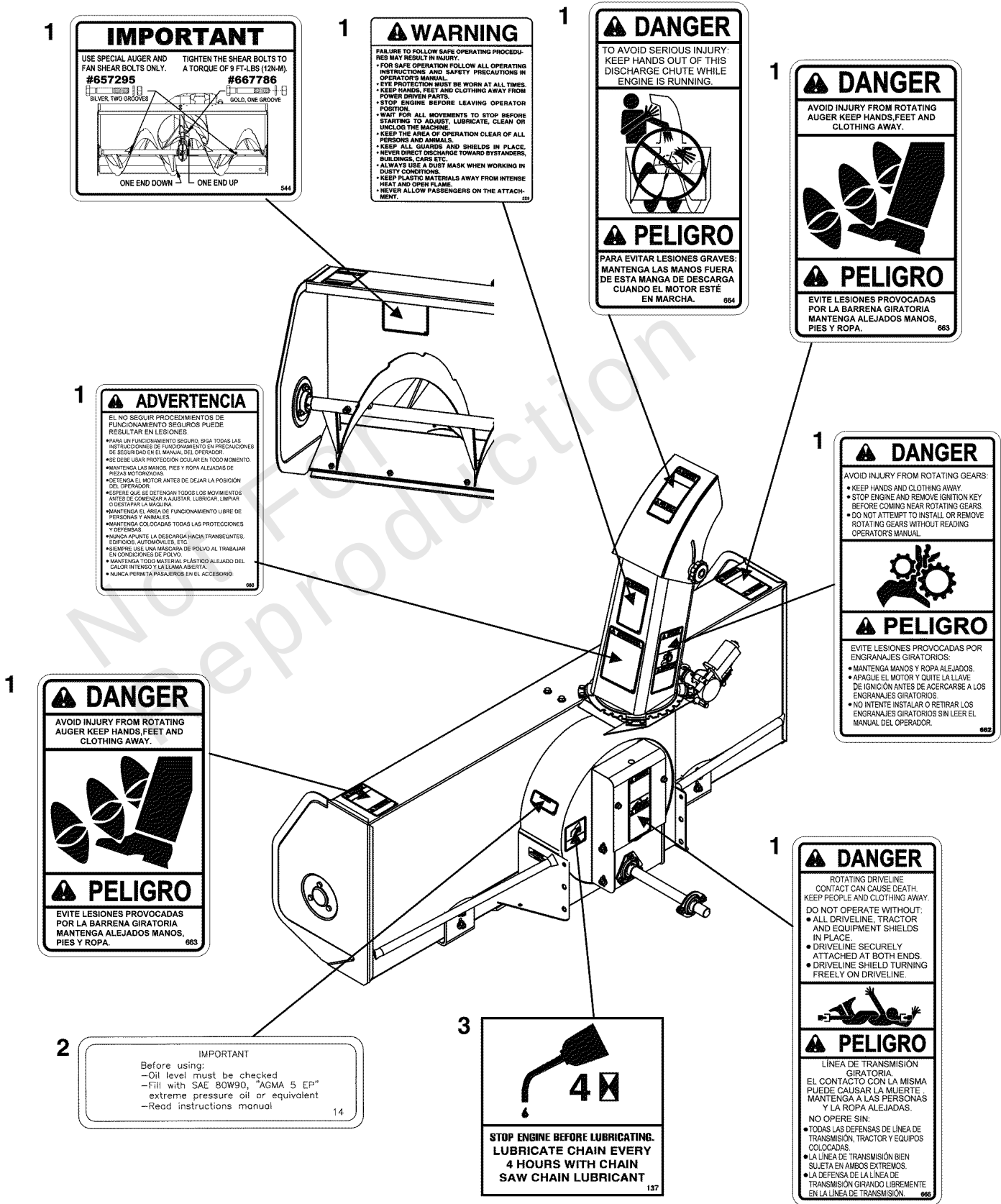


Chute with Deflector

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	Chute assembly inc. decals -669197
2	5657309	2	Knob 5/16"NC -657309
3	-----	2	Nylon flat washer 11/32" dia. -658467
4	-----	2	Carriage bolt 5/16"NC x 1" gr.5 PTD -300003
5	-----	2	Nylon flat washer 7/16" dia. -658468
6	5657308	1	Hand guard -657308
7	-----	2	Hex. bolt 1/4"NC x 3/4" gr.5 PTD -100003
8	-----	2	Flat washer 1/4" (5/16" int.) PTD -1400002
9	-----	2	Lockwasher 1/4" PTD -1200002
10	-----	2	Nut hex. 1/4"NC PTD -900002
11	5657338	1	Rotation bushing -657338
12	5657333	4	Retaining plate -657333
13	-----	6	Hex. bolt 1/4"NC x 5/8" gr.5 PTD -100002
13A	-----	2	Hex. bolt 1/4"NC x 3/4" gr.5 PTD -100003
14	-----	8	Serrated flange nut 1/4" NC PTD -900058

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Decals should be replaced immediately if damaged.

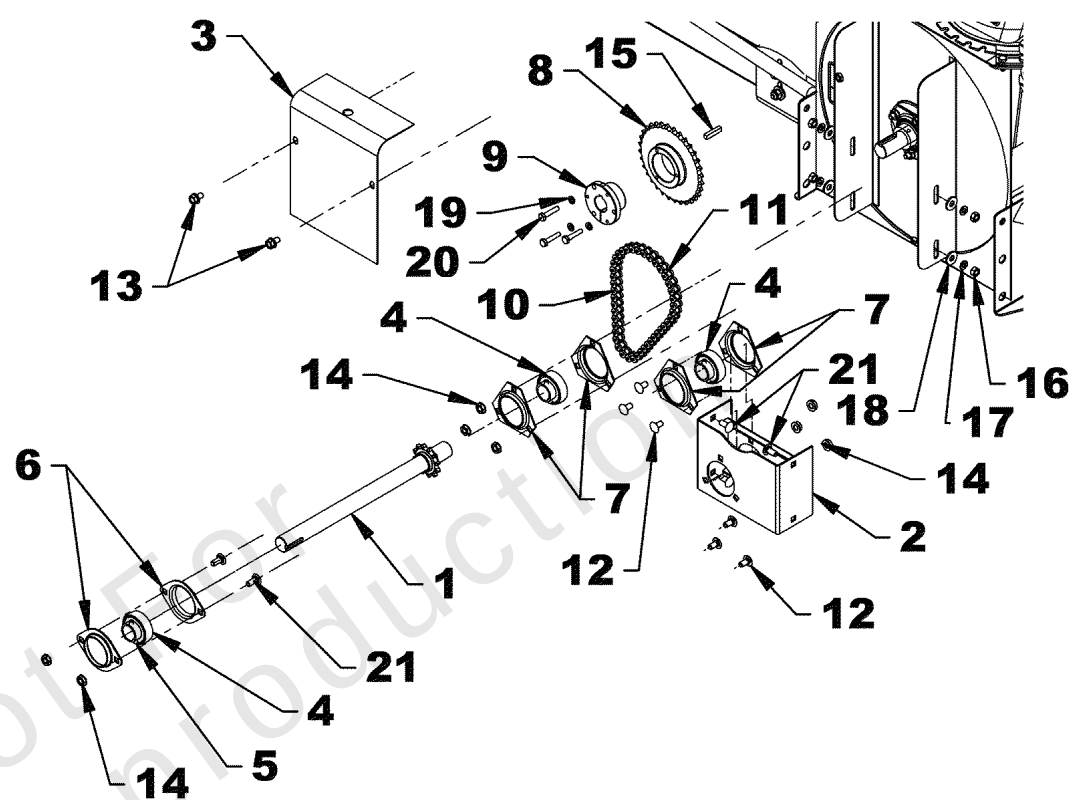
Decal Group

REF NO	PART NO	QTY	DESCRIPTION
1	5600407	1	KIT, DECALS, S800X, SNW THWR -(Contains decals all labelled as number one)
2	-----	1	DECAL, CHECK OIL LEVEL -655683
3	-----	1	DECAL, LUBRICATION INTERVAL -657804

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Drive System

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	Output shaft -669183
2	-----	1	Reduction box -669190
3	-----	1	Reduction box cover -667318
4	5665494	3	Bearing Ø1" w/ setscrew -665494
5	-----	6	Allen setscrew 1/4" NC x 1/4" gr.5 black -500002
6	5654787	2	Flange 2 holes for ø1" bearing , PTD -654787
7	-----	4	Triangular Flange 3 holes for Ø1" bearing PTD -656589
8	5101816X10	1	Sprocket 40B32 tapered inside -3300047
9	5101816X11	1	Pulley Hub SH ø1" w/ bolts (to be replaced by #20) & lockwasher -662992
10	-----	1	Chain #40 x 44 links LL (w/ connecting link) -659258
11	-----	1	Connecting link #40 LL -656178
12	-----	6	Carriage bolt 5/16"NC x 5/8" gr.5 PTD -300001
13	-----	2	Serrated flange bolt 5/16"NC x 1/2" gr.2 PTD -200065
14	-----	8	Serrated flange nut 5/16"NC PTD -900036
15	-----	1	Key 1/4" x 1/4" x 1 1/4" -654643
16	-----	4	Hex. nut 5/16"NC PTD -900002
17	-----	4	Lockwasher 5/16", PTD -1200003
18	-----	4	Flat washer Ø5/16" Int., PTD -1400003
19	-----	3	Lockwasher 1/4", PTD (suppl. with Pulley Hub, #9) -1200002
20	-----	3	Hex. bolt 1/4" NC X 1 1/2" gr.5, PTD -100255
21	-----	6	Carriage bolt 5/16"NC x 3/4" gr.5, PTD -300002

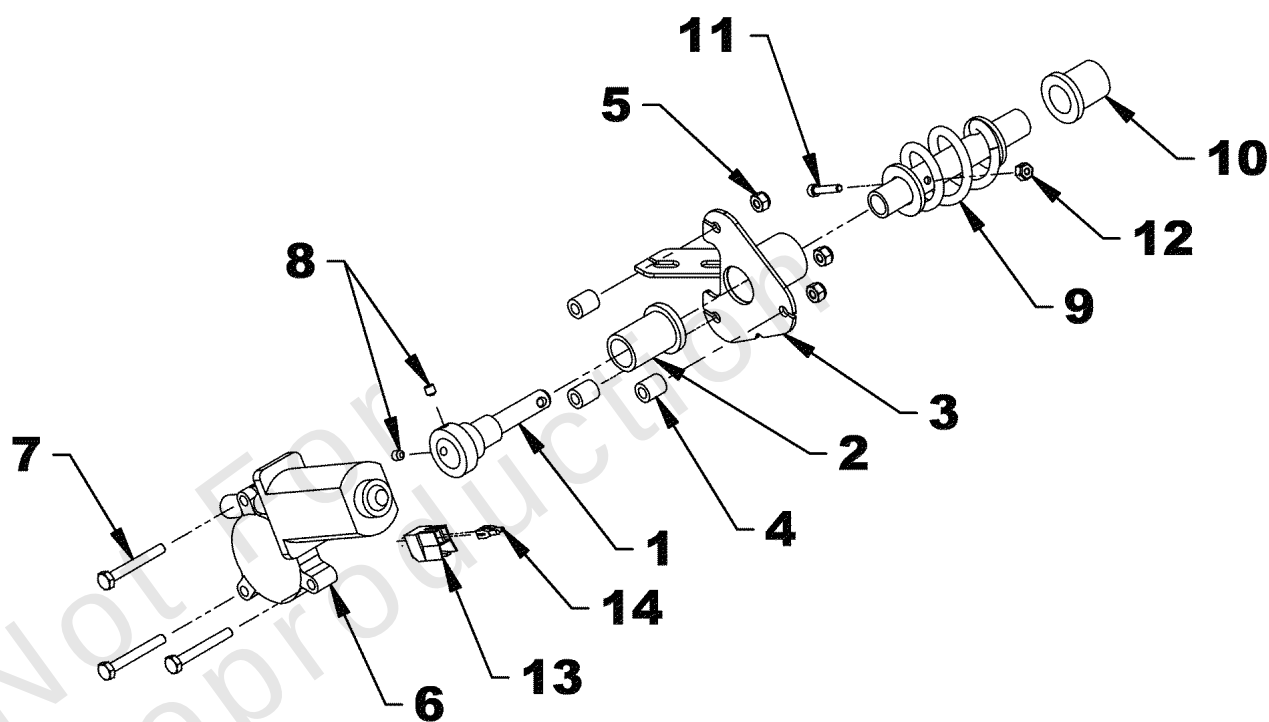
Electric Chute Rotation

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600384

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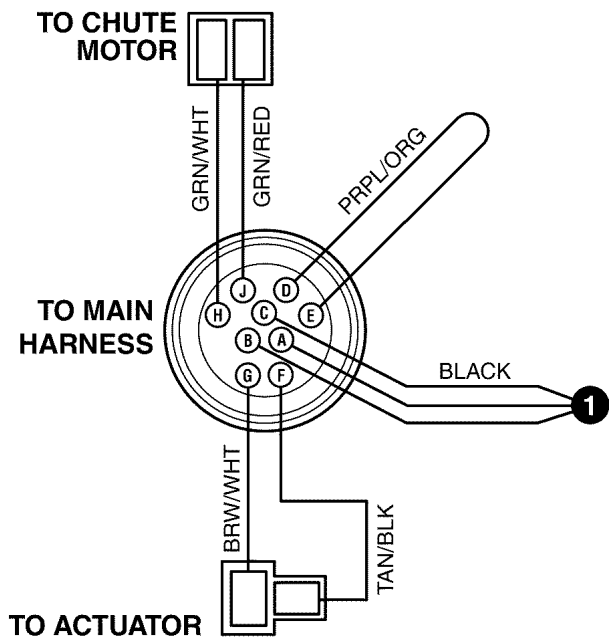
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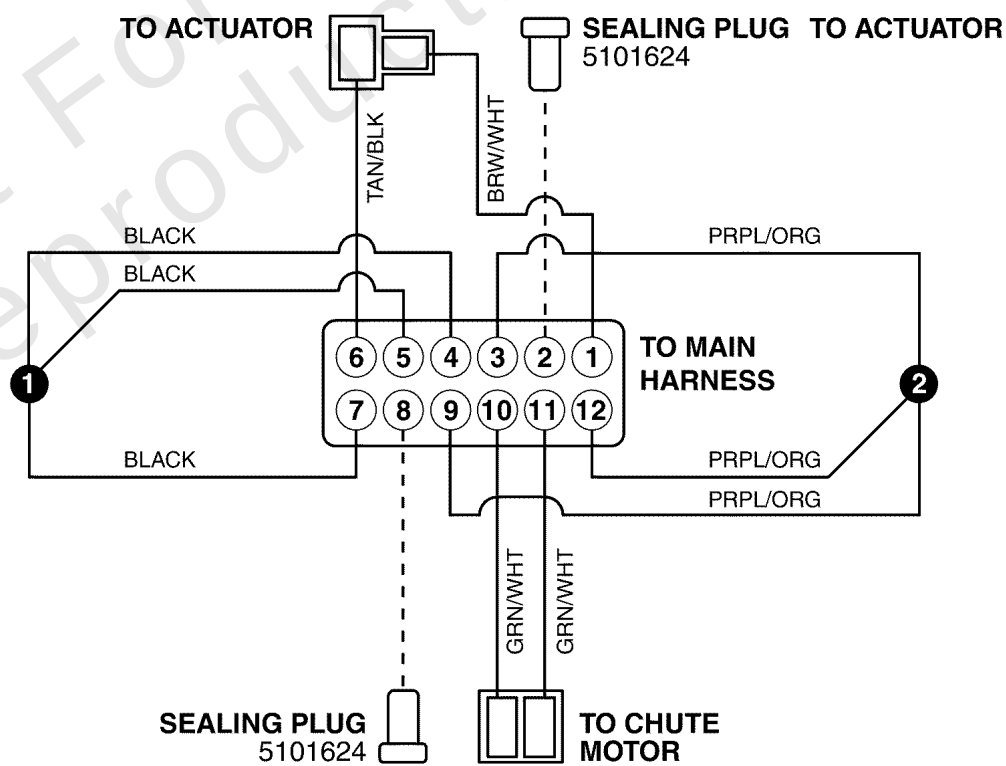
Electric Chute Rotation

REF NO	PART NO	QTY	DESCRIPTION
1	5662459	1	Worm adaptor -662459
2	5657336	1	Plastic bushing 1 11/16" lg. -657336
3	5664828	1	Electric motor support CW -664828
4	5101816X13	3	Spacer ring -666691
5	-----	3	Nylon insert nut 1/4" PTD -1000003
6	5662455	1	Electric rotation motor -662455
7	-----	3	Hex bolt 1/4" NC x 2" gr.5 PTD -100010
8	-----	2	Allen setscrew 1/4" NF x 1/4" -500003
9	5660246	1	Electric rotation worm PTD -660246
10	5657335	1	Plastic bushing 1 5/16" lg. -657335
11	-----	1	Socket head capscrew 10-24 x 1" -800009
12	-----	1	Nylon insert locknut 10-24 x 1" PTD -1000002
13	5662469	1	Female connector -662469
14	5662495	2	Female terminal -662495

SNOW BLOWER WIRE HARNESS (5405740)
(FITS S800X MODELS 2013920028 & BELOW)



SNOW BLOWER WIRE HARNESS (5406338)
(FITS S800X MODELS 2014013334 & ABOVE)



Electrical Schematics

REF NO	PART NO	QTY	DESCRIPTION
5405740	5405740	1	WIRE HARNESS, SNOW THROWER -(S/N: 2013920028 & Below)
5406338	5406338	1	WIRE HARNESS, SNOW THROWER -(S/N: 2014013334 & Above)

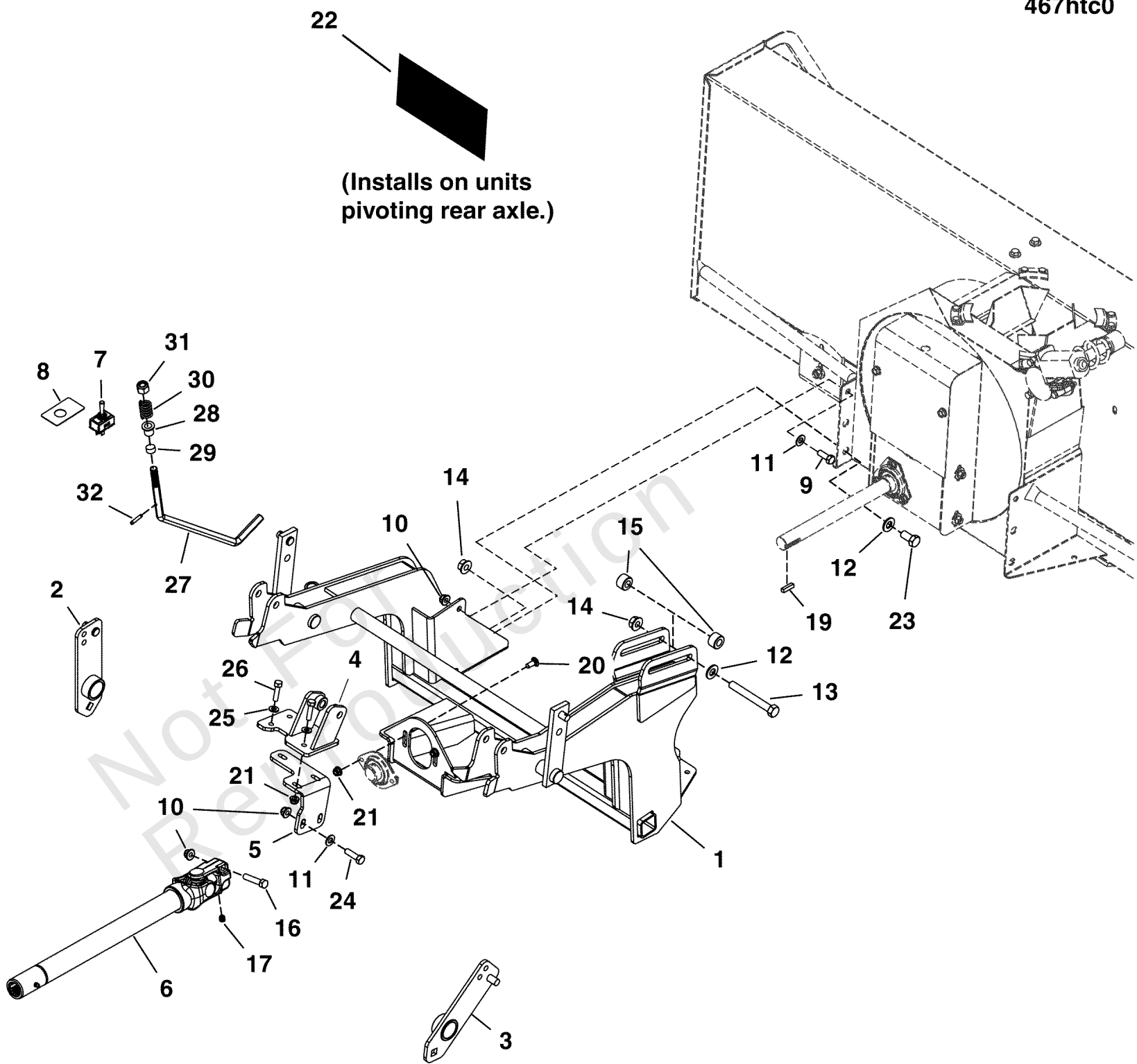
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Hitch Assembly

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600384

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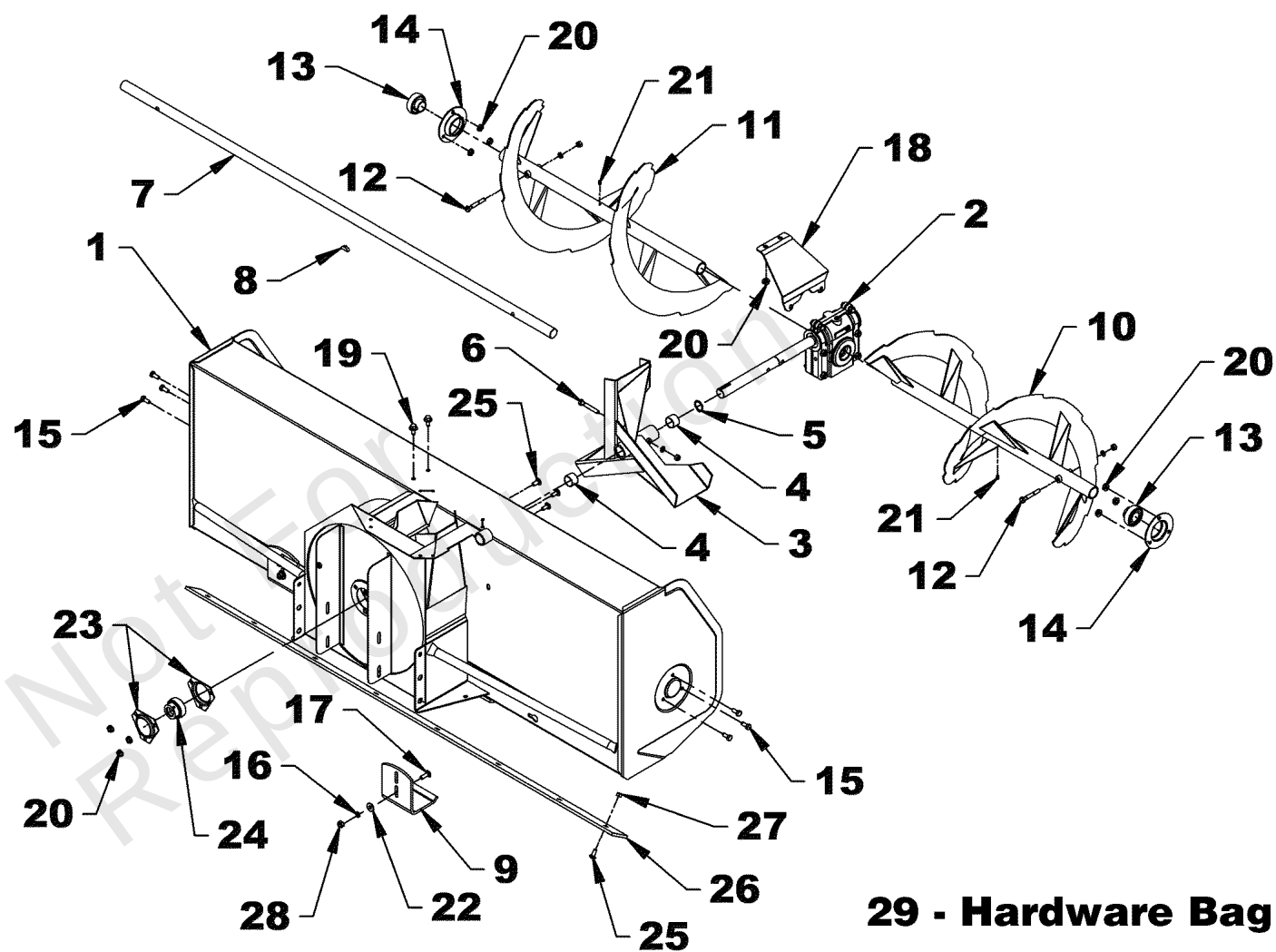


Hitch Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	5404873A	1	WELD, MNT, SNOW THROWER, S800X - BLK
2	5405692A	1	WELD, SPRING PVT, SNOW, LH - BLK
3	5405693A	1	WELD, SPRING PVT, SNOW, RH - BLK
4	5405761A	1	WELD, ACTUATOR MOUNT - BLK
5	5405762A	1	PLATE, ACTUATOR MNT SUPPORT - BLK
6	5105463	1	1/2 DRIVE SHAFT SEALED, SNOW THROWER
7	5021734	1	Switch, Electric Actuator
8	5101769	1	DECAL, CHUTE ROTATION, S800X
9	5025013X8	2	BOLT, 3/8-16 X 1" GD5 CZ
10	5025394	5	NUT, 3/8 - 16 HEX NYLOCK FLANGE
11	5025156	4	WASHER, 3/8 SAE
12	5025158	3	WASHER, 1/2 SAE
13	5025017X32	1	BOLT, 1/2-13 X 4" GD5 CZ
14	5025396	3	NUT, Hex Flange, Nylock, 1/2-13
15	5101161	2	SPACER, .52 X 1.00 X .63, YZ
16	5025013X14	1	BOLT, 3/8-16 X 1-3/4" GD5 CZ
17	5025063X3	1	SET SCREW, 3/8-16 X 3/8
18	5050407X10	1	KEY, 1/4" SQ. X 1-1/4
19	5050407X8	1	KEY, 1/4 SQ X 1
20	5025145X6	2	BOLT, 5/16-18 X 3/4, CARRIAGE, GD5, CZ
21	5025392	5	NUT, 5/16-18 HEX NYLOCK FLANGE NUT
22	1701600	2	REFLECTOR-REAR RED 1.38 X 3.00
23	5025017X10	2	BOLT, 1/2-13 X 1-1/4 GD5 CZ
24	5025013X10	2	BOLT, 3/8-16 X 1-1/4" GD5 CZ
25	5025155	4	WASHER, 5/16" SAE
26	5025011X10	4	BOLT, 5/16-18 X 1-1/4" GD5 YZ
27	5102274	1	KICK STAND, SNOW THROWER, S800X
28	5102306	1	FLANGED BUSHING, 1/2ID X 5/8OD X 3/4"LG
29	5061780	1	BUSHING, .510 X .625 X .500
30	5101079	1	SPRING-COMP, .625 ID X 1.31 LG X .105 WR
31	5025098	1	NUT, Hex, Nylon Lock, 1/2-20
32	2816001	1	PIN-SPRING .188 X 1.00 PLN SAE 1095

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Snowblower Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	-----	1	Housing -669192
2	5101816X1	1	Gearbox ass'y (ccw) -4500037
3	5101816X2	1	Fan including bushings 4300055 -667080
4	5101816X3	2	Bushing (iolite) -4300055
5	-----	1	Outer retaining ring -655087
6	667786	1	Shear bolt 5/16" NC x 2 1/4" w/ lock & nut, gold PTD, gr8 -667786
7	-----	1	Output shaft -668462
8	5655967	1	Woodruff key -655967
9	5101816X9	2	Skid shoe -668464
10	5101816X4	1	Auger - RH -668461
11	5101816X5	1	Auger - LH -668460
12	5657295	2	Shear bolt 5/16" NC x 2 1/4" w/ lock & nut, silver PTD, gr5 -657295
13	5665494	2	Bearing with locking collar -665494
14	5101816X6	2	Flange -657334
15	-----	6	Hex. bolt 5/16" NC x 3/4" gr.5 PTD -100018
16	-----	4	Lockwasher 5/16" PTD -1200003
17	-----	4	Carriage bolt 5/16" x 1" gr.5 PTD -300003
18	-----	1	Gearbox support -657492
19	-----	2	Serrated flange bolt 5/16" NC x 3/4" lg, PTD -200083
20	-----	11	Serrated flange nut 5/16" NC, PTD -900036
21	-----	2	Grease fitting -654106
22	-----	4	Flat washer 5/16" (Æ3/8" int.) PTD -1400003
23	5101816X7	2	Flange -656589
24	5665495	1	Bearing with locking collar -665495
25	-----	11	Carriage bolt 5/16" NC x 3/4" gr.5 PTD -300002
26	5101816X8	1	Cutting edge -668457
27	-----	8	Stover nut 5/16" NC PTD -1100002
28	-----	4	Nylon insert nut 5/16" NC, PTD -1000005
29	-----	1	Hardware bag (not illustrated) -669268

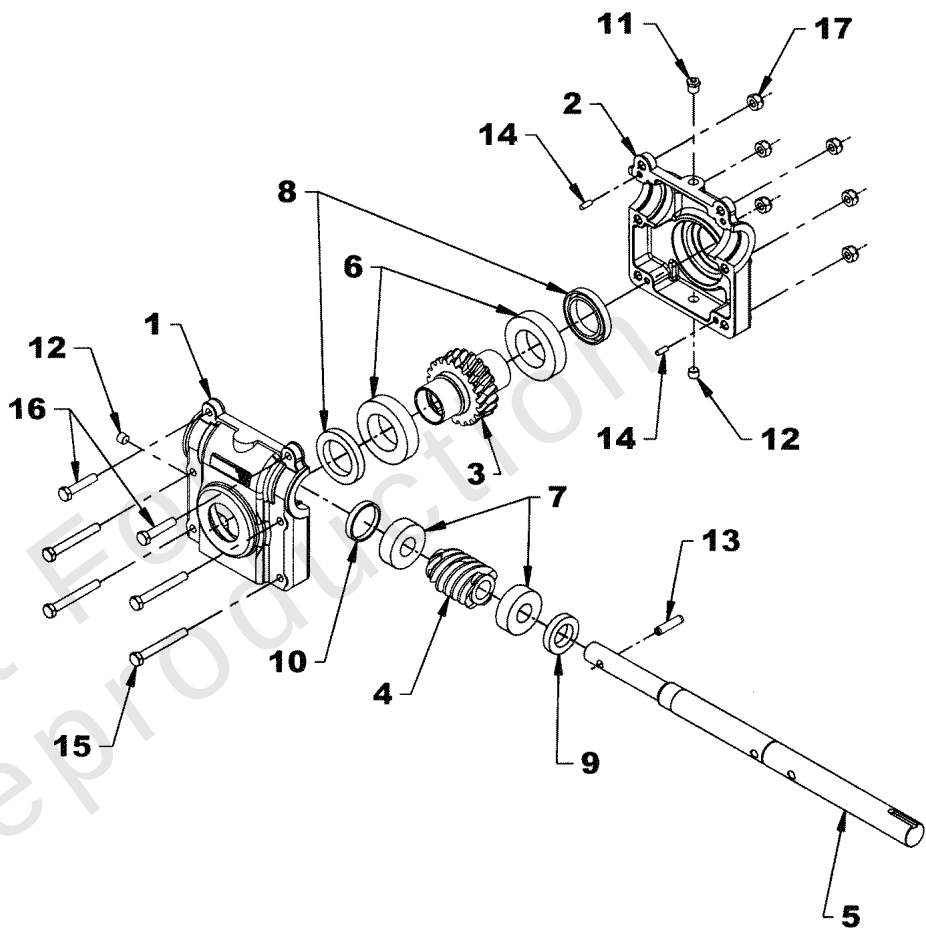
Worm Gearbox - 4500037

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 5600384

467gbx0

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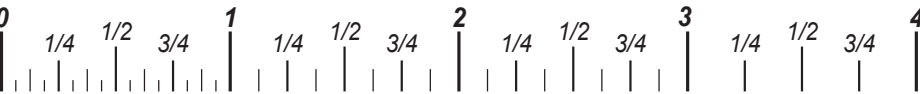
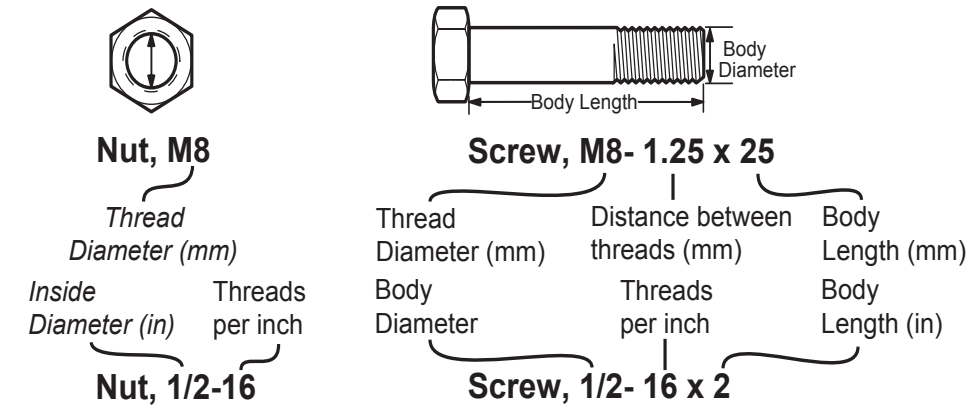
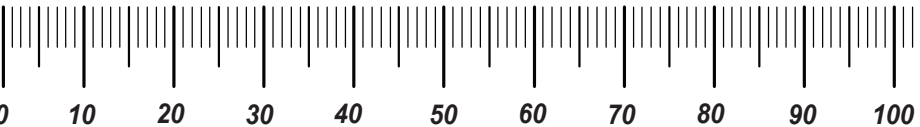
Worm Gearbox - 4500037

REF NO	PART NO	QTY	DESCRIPTION
1A	-----	1	Casing kit (items 1 and 2) -4500021
1	-----	1	Left casing -----
2	-----	1	Right casing -----
2A	-----	1	Worm and gear kit (items 3 and 4) -4500020
3	-----	1	Gear -----
4	-----	1	Worm -----
5	-----	1	Driving shaft -4500036
6	-----	2	Bearing -661147
7	-----	2	Bearing -663234
7A	5665775	1	Seal kit (item 8 and 9) -665775
8	-----	2	Seal -----
9	-----	1	Seal -----
10	-----	1	Cap -661150
11	-----	1	Breather 1/8" NPT, 5 PSI, PTD -654927
12	-----	2	Plug 1/8" NPT, PTD -656090
13	-----	1	Spring pin 5/16" dia. x 1 1/4" lg. -663243
14	-----	2	Dowel pin 3/16" dia. x 1/2" lg. -663245
15	-----	4	Hex. bolt 5/16" NC x 2 1/2" lg., PTD -100026
16	-----	2	Hex. bolt 5/16" NC x 1 1/2" lg., PTD -100021
17	-----	6	Nylon insert locknut 5/16" NC, PTD -1000005

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).

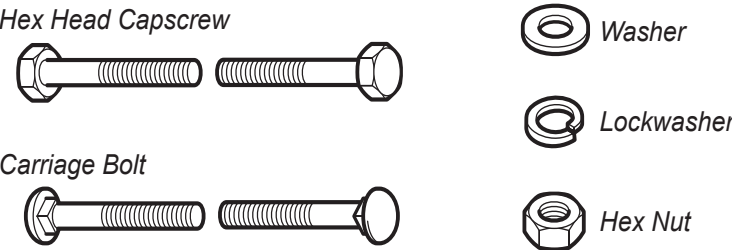
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

