

Parts Manual

Mfg. No: 1691867
38" Turbo Blower

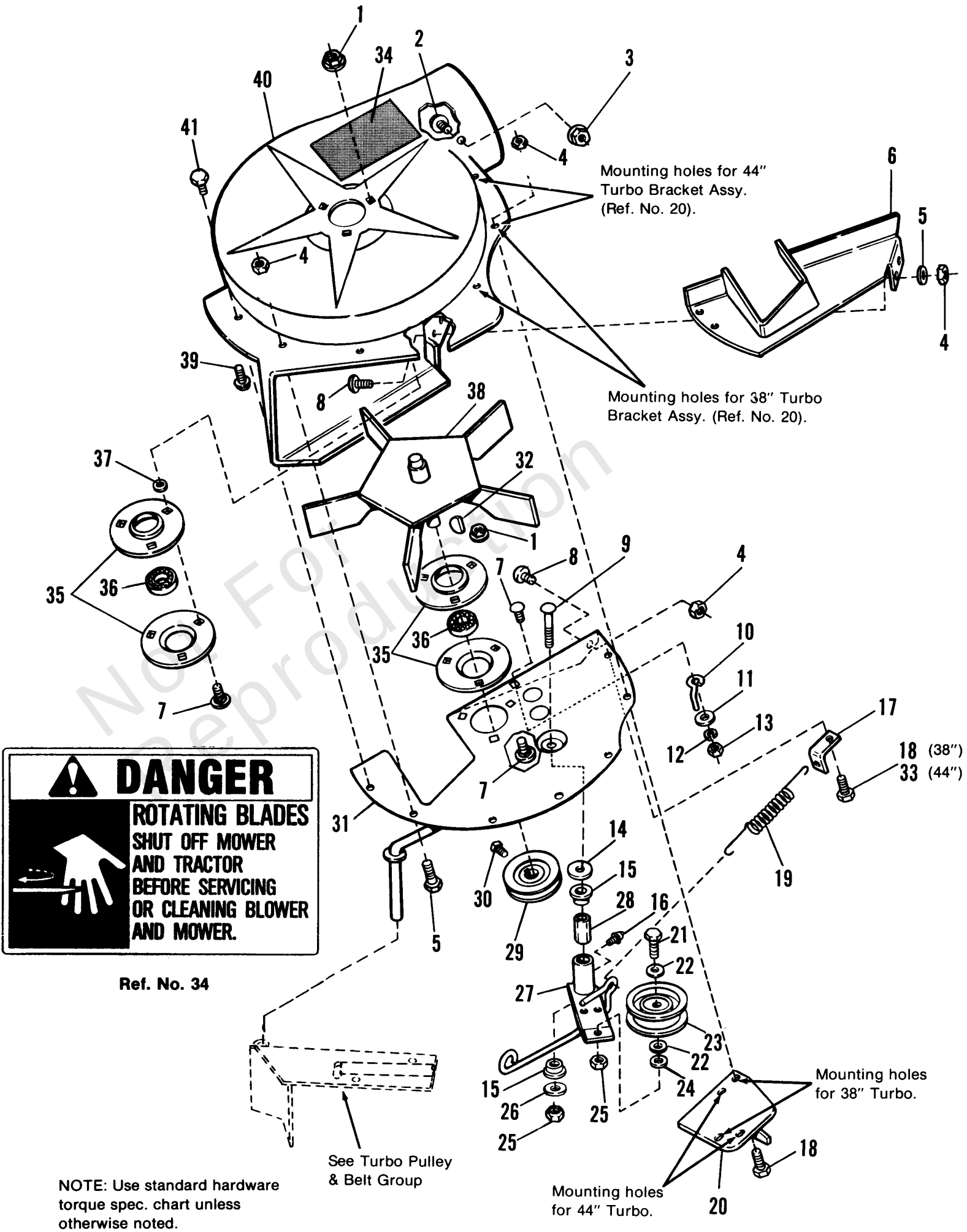
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Not For
Reproduction

38" & 44" Turbo Assy. - Housing Group

Note: Unless noted otherwise, use the standard torque specifications

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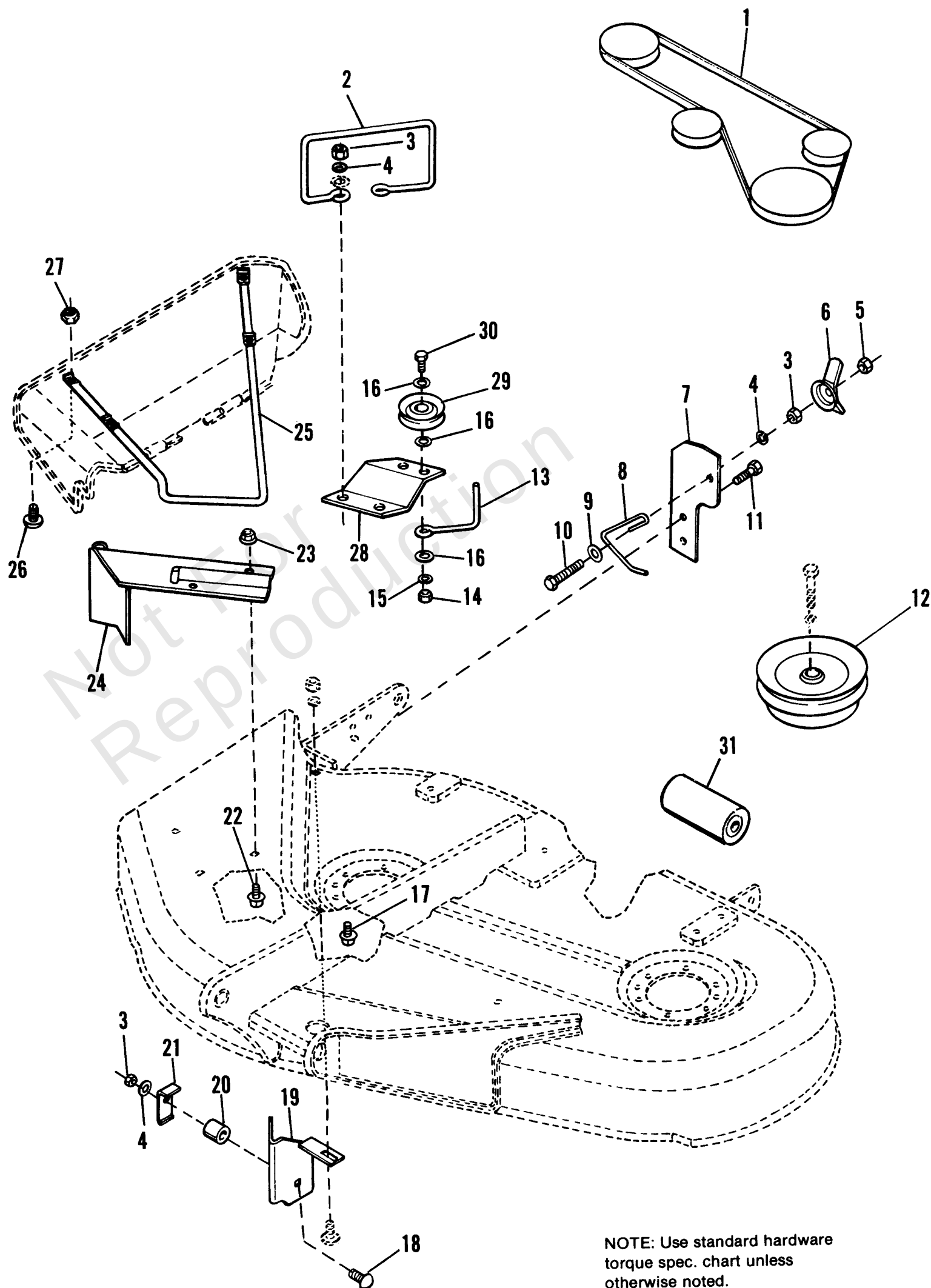
38" & 44" Turbo Assy. - Housing Group

REF NO	PART NO	QTY	DESCRIPTION
1	1935048SM	6	NUT, Flange, Whizlock, 5/16-18
2	1960252SM	1	BOLT-RD HD SH SQ NK 1
3	1920397SM	9	NUT, Hex, Nylock, 1/4-20
4	1930641SM	1	NUT, Hex, Flange Lock, 1/4-20
5	1921959SM	3	CAPSCREW, Hex, 1/4-20 x 5/8 (Qty. 4 on Mfg. No. 1691868, 44")
6	1705267SM	1	PLATE-COVER, BLACK POL
7	1931333SM	9	CARRIAGE BOLT, 5/16-18 x 3/4 (Qty 8 on Mfg. No. 1691868, 44")
8	1960472SM	2	SCREW, Truss Hd., 1/4-18 x 5/8
9	1931355SM	1	CARRIAGE BOLT, 3/8-16 x 2-1/4
10	1678435SM	1	BELT STOP
11	1924874SM	1	WASHER, Flat
12	1917356SM	1	WASHER, Spring Lock, 5/16
13	1917372SM	1	NUT, Hex, 5/16
14	1924361SM	1	WASHER, Flat
15	1676148SM	2	BUSHING-0.628IDX
16	1704314SM	1	LUBE FITTING, .250 DR
17	1668500A	1	BRACKET, Anchor, Spring
18	1923341SM	3	CAPSCREW, Hex Hd., 1/4-20 x 3/4 (Qty. 2 on Mfg. No. 1691868, 44")
19	1716853SM	1	SPRING, Tension
20	1704983ASM	1	BRACKET ASSY., Turbo
21	1920415SM	1	CAPSCREW, Hex Hd., 3/8-16 x 1-1/4
22	1924940SM	2	WASHER, Plain
23	1726348SM	1	IDLER PULLEY ASSY.
24	1933263SM	1	WASHER, Flat
25	1960251SM	2	NUT, Hex, Jam, Center Lock, 3/8-16
26	1924940SM	1	WASHER, Flat
27	1706284SM	1	LEVER ASSY, Turbo (Incl. Ref. Nos. 15 & 16)
28	1676833SM	1	SPACER
29	1706634SM	1	PULLEY, Driven
30	1960619SM	1	SETSCREW, Hex, Socket Hd., 5/16-18 x 5/16
31	1706465ASM	1	PLATE ASSY.
32	2860403SM	1	KEY, Woodruff, Modified
33	1924009SM	1	CAPSCREW, Hex Hd., 1/4-20 x 7/8 (Mfg. No. 1691868 Only)
34	1700259SM	1	DECAL, Danger, Blower
35	1665982ASM	4	BEARING, Retainer
36	2108202SM	2	BEARING, BALL
37	1933988SM	3	PUSH NUT, 3/8
38	1706631ASM	1	FAN ASSY., 5 Blade
39	1960728SM	1	SCREW, Truss Hd., 1/4-18 x 1/4
40	1724441SM	1	FAN HOUSING (Incl. Ref. No. 34)
41	1925003SM	1	CAPSCREW, Hex, Taptite, 1/4-20 x 1/2 Mfg. No. 1691868 Only)

38" Turbo Assy. - Arbor & Deflector Group

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 1691867



NOTE: Use standard hardware torque spec. chart unless otherwise noted.

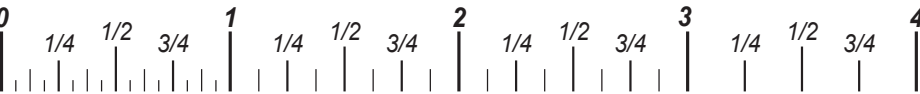
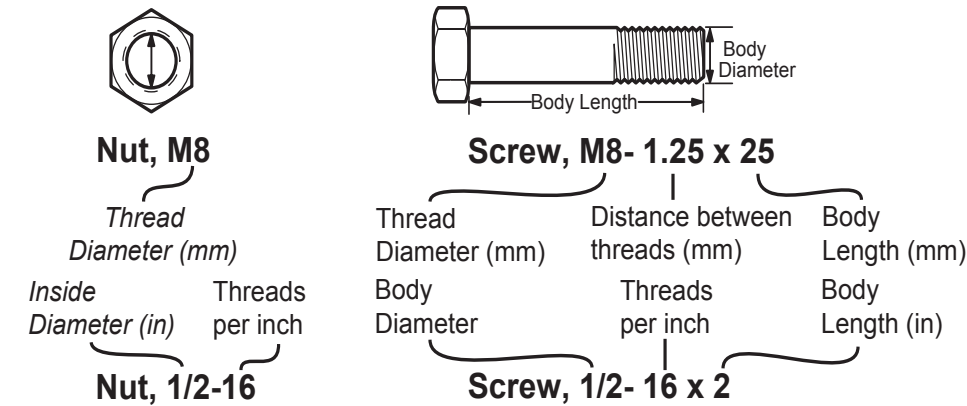
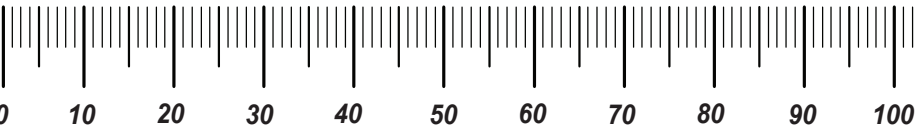
38" Turbo Assy. - Arbor & Deflector Group

REF NO	PART NO	QTY	DESCRIPTION
1	1705141SM	1	BELT
2	1704789SM	1	BELT GUIDE, Turbo
3	1917372SM	4	NUT, Hex, 5/16-18
4	1917356SM	4	LOCKWASHER, 5/16
5	1923362SM	1	NUT, Hex, Center Lock, 5/16-18
6	1679163SM	1	NUT, Wing Assy, 5/16
7	1724370	1	BRACE, 38"
8	1705064SM	1	SPRING LATCH
9	1919381SM	1	WASHER, Flat
10	1960318SM	1	CAPSCREW, Hex Hd, 5/16-18 x 2-1/2
11	1924856SM	2	SCREW, Taptite, 5/16-18 x 1/2
12	1704769ASM	1	PULLEY ASSY., Turbo
13	2172845SM	1	BELT STOP
14	1916950SM	1	NUT, Hex, 3/8-16
15	1916965SM	1	LOCKWASHER, 3/8
16	1924940SM	3	WASHER, Flat, 3/8
17	1930600SM	2	SCREW, Taptite, 5/16-18 x 1-1/2
18	1960223SM	1	BOLT-RD HD SH SQ NK 5
19	1704881ASM	1	BRACKET ASSY., Cut-off
20	1666294SM	1	SPACER
21	1705308ASM	1	BRACKET, "L"
22	1931333SM	2	CARRIAGE BOLT, 5/16-18 x 3/4
23	1931277SM	2	NUT, Hex, Flange, Whizlock, 5/16-18
24	1722546	1	PIVOT ASSY., 38"
25	1718295	1	ROD, Deflector
26	1960404SM	4	SCREW, Truss Hd., #10-24 x 3/4
27	1933896SM	4	NUT, Nylock, #10-24
28	1704768ASM	1	BRACKET, Idler, Turbo
29	1714817SM	1	PULLEY ASSY., Idler
30	1921971SM	1	CAPSCREW, 3/8-16 x 1-1/4
31	1713540SM	1	ROLLER

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).

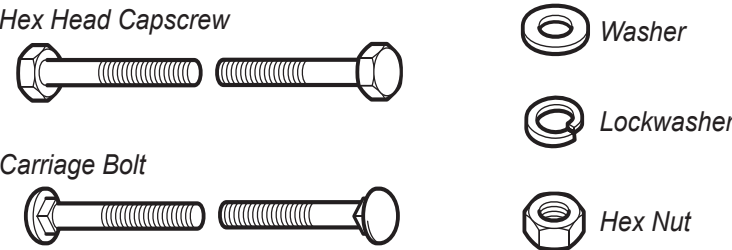
When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (*distance between threads*). The final number is the body length of the bolt or screw,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

