

# ATTACHMENT ILLUSTRATED PARTS LIST



## ATTACHMENT

Mfg. No. Description

1694304 Turbo - 38", 44" & 50" Mower



MANUFACTURING, INC.  
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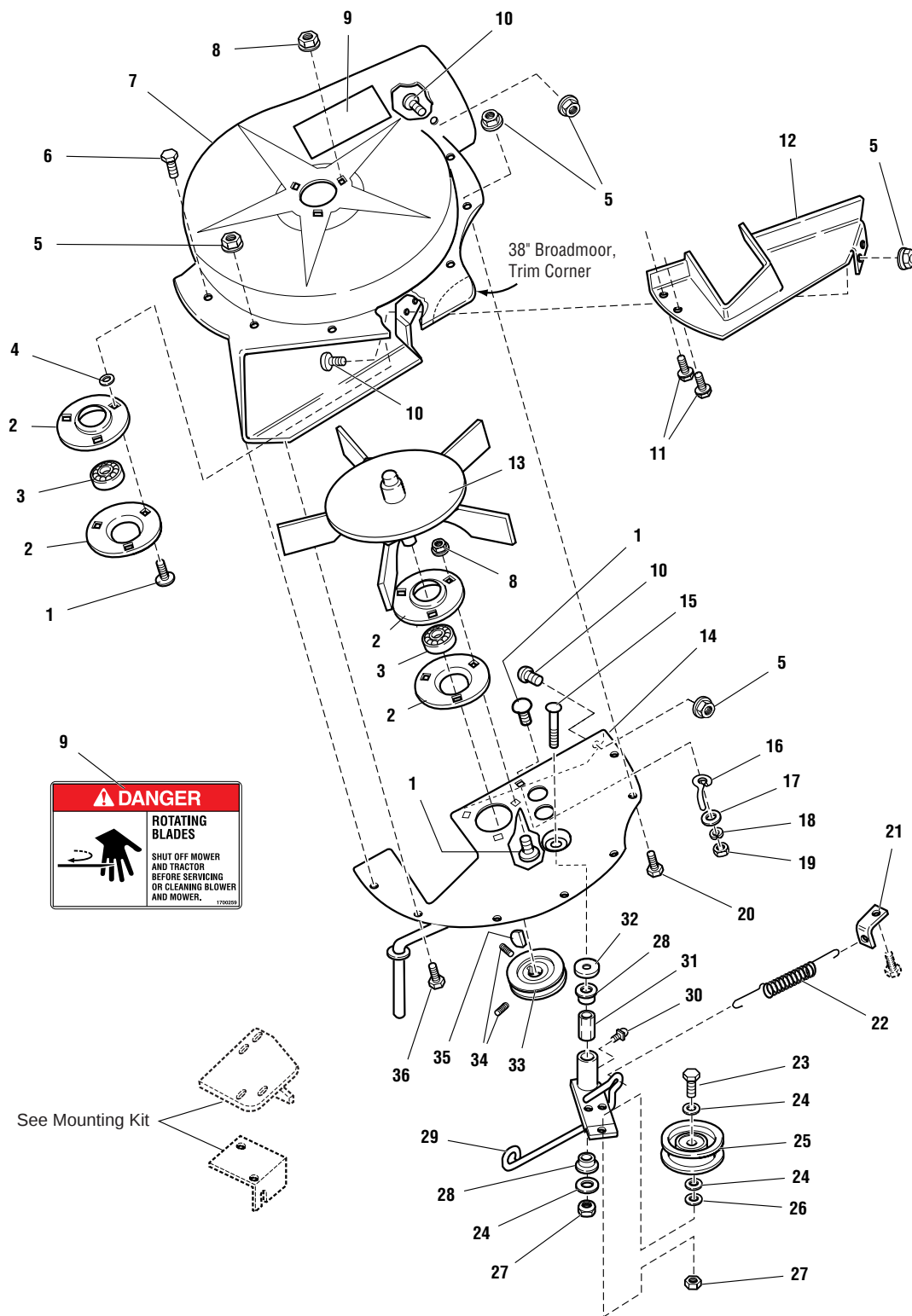
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Rev. 09/2002

TP 400-3544-00-AT-SMA

NOTE: Unless noted otherwise,  
use the standard hardware torque  
specification chart.



The above parts group applies to the following Mfg. Nos.:

1694304 Turbo - 38", 44" & 50" Mower

**Turbo - 38", 44" & 50" Mower**

| REF NO. | PART NO. | QTY. | DESCRIPTION                                        |
|---------|----------|------|----------------------------------------------------|
| 1       | 1931333  | 7    | CARRIAGE BOLT, 5/16-18 x 3/4                       |
| 2       | 1665982  | 4    | RETAINER, Bearing                                  |
| 3       | 108202   | 2    | BEARING                                            |
| 4       | 1933988  | 6    | PUSH NUT, 3/8                                      |
| 5       | 1930641  | 10   | NUT, Hex, Flange Lock, 1/4-20                      |
| 6       | 1925003  | 1    | CAPSCREW, Hex, Taptite, 1/4-20 x 1/2               |
| 7       | 1724441  | 1    | FAN HOUSING (Includes Ref. No. 9)                  |
| 8       | 1927557  | 6    | NUT, Flange, Whizlock, 5/16-18                     |
| 9       | 1700259  | 1    | DECAL, Danger, Blower                              |
| 10      | 1931317  | 4    | CARRIAGE BOLT, 1/4-20 x 3/4                        |
| 11      | 1960256  | 2    | CAPSCREW, Washer Head, Plastite, 1/4-18 x 5/8      |
| 12      | 1705267  | 1    | COVER, Bottom                                      |
| 13      | 1706631  | 1    | FAN ASSEMBLY, 5 Blade                              |
| 14      | 1706465  | 1    | PLATE ASSEMBLY                                     |
| 15      | 1931355  | 1    | CARRIAGE BOLT, 3/8-16 x 2-1/4                      |
| 16      | 1678435  | 1    | BELT STOP                                          |
| 17      | 1924874  | 1    | WASHER, Flat                                       |
| 18      | 1917356  | 1    | WASHER, Spring Lock, 5/16                          |
| 19      | 1917372  | 1    | NUT, Hex, 5/16                                     |
| 20      | 1924009  | 2    | CAPSCREW, Hex Head, 1/4-20 x 7/8                   |
| 21      | 1668500  | 1    | BRACKET, Anchor, Spring                            |
| 22      | 1716853  | 1    | SPRING, Tension                                    |
| 23      | 1920415  | 1    | CAPSCREW, Hex Head, 3/8-16 x 1-1/4                 |
| 24      | 1924940  | 3    | WASHER, Plain                                      |
| 25      | 154534   | 1    | IDLER PULLEY ASSEMBLY                              |
| 26      | 1933263  | 1    | WASHER, Flat                                       |
| 27      | 1960251  | 2    | NUT, Hex, Jam, Center Lock, 3/8-16                 |
| 28      | 1676833  | 2    | SPACER                                             |
| 29      | 1706284  | 1    | LEVER ASSEMBLY, Turbo (Includes Ref. Nos. 30 & 31) |
| 30      | 1704314  | 1    | FITTING, Grease                                    |
| 31      | 1676148  | 2    | BUSHING                                            |
| 32      | 1924361  | 1    | WASHER, Flat                                       |
| 33      | 1706634  | 1    | PULLEY, Driven                                     |
| 34      | 1960619  | 2    | SETSCREW, Hex, Socket Head, 5/16-18 x 5/16         |
| 35      | 960403   | 1    | KEY, Woodruff, Modified                            |
| 36      | 1921959  | 4    | CAPSCREW, Hex Head, 1/4-20 x 5/8                   |

**Footnotes:**

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The above parts group applies to the following Mfg. Nos.:

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# Hardware Identification & Torque Specifications

## Common Hardware Types

Hex Head Capscrew



Washer



Lockwasher

Carriage Bolt



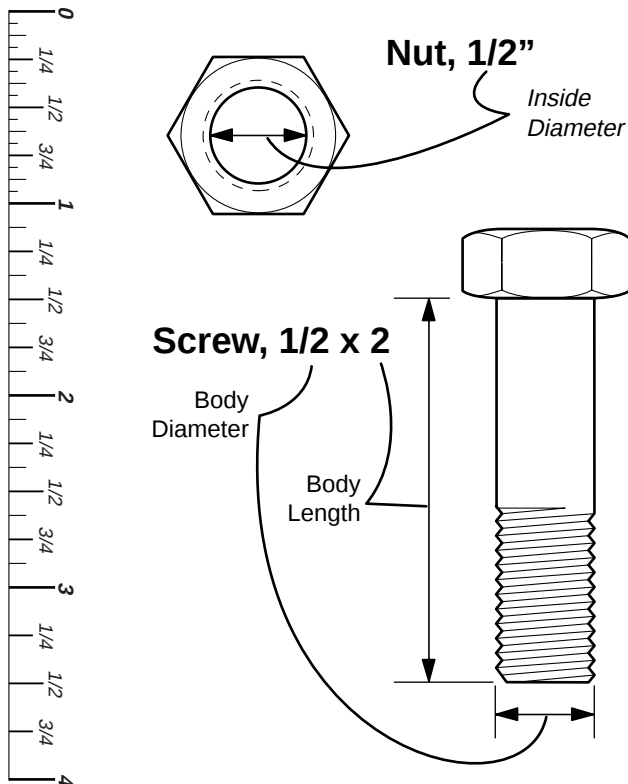
Hex Nut

## Standard Hardware Sizing

When a washer or nut is identified as **1/2"**, this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch; if a second number is present it represents the *threads per inch*

When bolt or capscrew is identified as **1/2 - 16 x 2"**, this means the *Nominal size*, or *body diameter* is 1/2 inch; the second number represents the *threads per inch* (16 in this example, and the final number is the *body length* of the bolt or screw (in this example 2 inches long).

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



## Torque Specification Chart

FOR STANDARD MACHINE HARDWARE (Tolerance  $\pm 20\%$ )

| Hardware Grade | No Marks<br>SAE Grade 2 |       | SAE Grade 5      |       | SAE Grade 8      |         |
|----------------|-------------------------|-------|------------------|-------|------------------|---------|
|                | in/lbs<br>ft/lbs        | Nm.   | in/lbs<br>ft/lbs | Nm.   | in/lbs<br>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  | 27               | 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 |

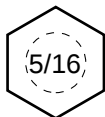
### NOTES

- 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.

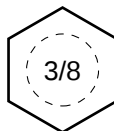
## Wrench & Fastener Size Guide



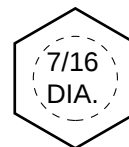
**1/4" Bolt or Nut**  
Wrench—7/16"



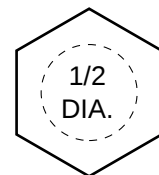
**5/16" Bolt or Nut**  
Wrench—1/2"



**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"