

# Attachment Illustrated Parts List

## Attachment

**Mfg. No. Description**  
7061253 Ninja Recycling Kit, 28" R.E.R

## Briggs & Stratton Power Products Group, L.L.C.

P.O. Box 702  
Milwaukee, WI 53201-0702 USA

BRIGGSandSTRATTON.com

© Copyright 2012 by Briggs & Stratton Corporation  
Milwaukee, WI, USA. All rights reserved

**Manual Part No. 7105819**

Revision -

Rev. Date: 6/21/2012

Not for  
Reproduction

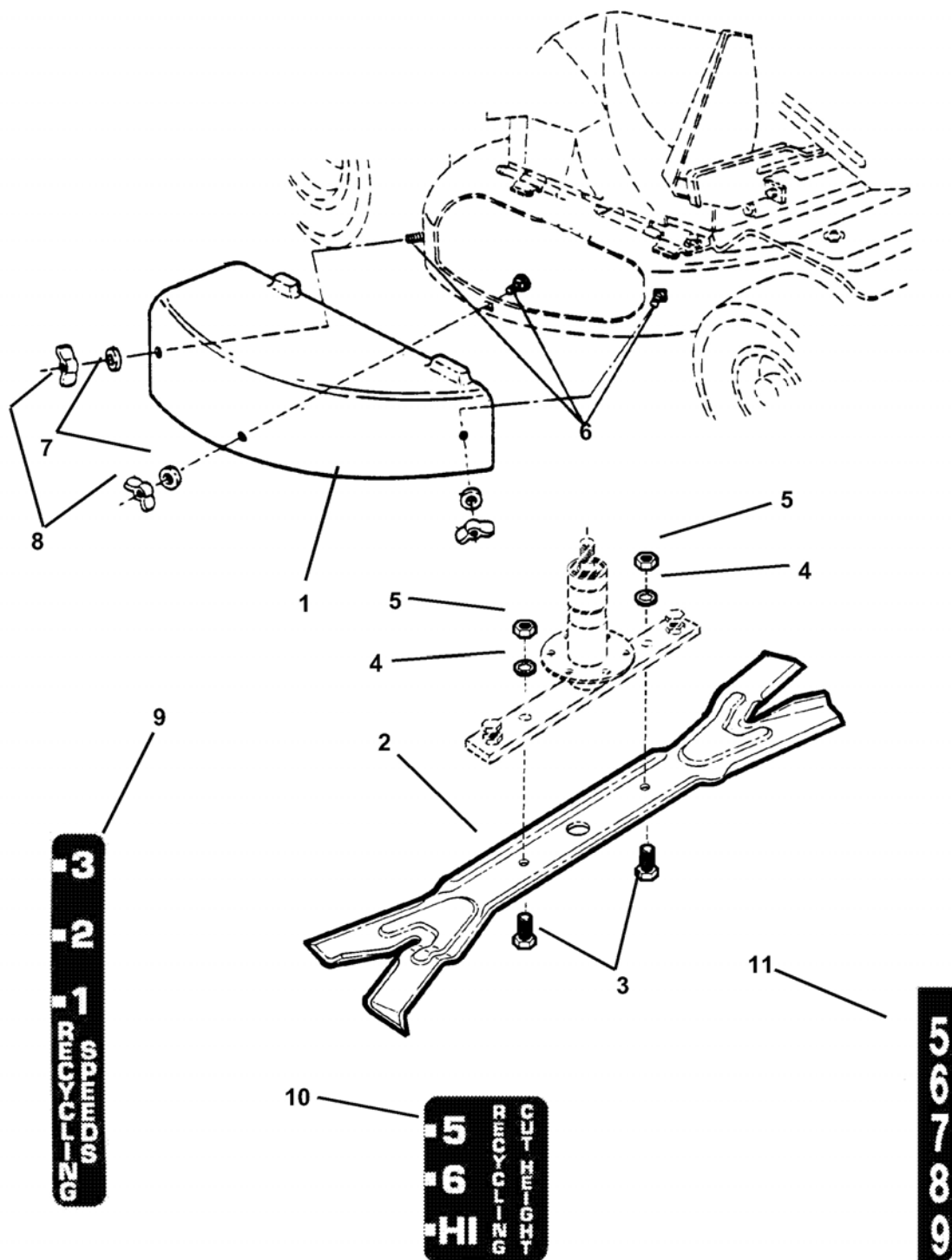
| <b>PRODUCT COMPONENTS</b>               | <b>PAGES</b>             |
|-----------------------------------------|--------------------------|
| 28" Recycling .....                     | 4                        |
| <b>Torque Specification Chart</b> ..... | <b>Inside Back Cover</b> |

Not for  
Reproduction

## 28" Recycling

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

0007



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

7061253 - Ninja Recycling Kit

## 28" Recycling

| REF NO | PART NO.  | QTY. | DESCRIPTION                                                      |
|--------|-----------|------|------------------------------------------------------------------|
| --     | 7061253   | 1    | KIT, Ninja Recycling (28" Models) (Includes Items 1 Thru 11)     |
| 1      | 7016983   | 1    | COVER, Side Chute (28" Models)                                   |
| 2      | 7104083BZ | 1    | BLADE, 28" Ninja (Quad Edge) (Was 7026453)                       |
| 3      | 7090392   | 2    | SCREW, 1/2-20 x 1" Hex Head Cap (Grade 5)                        |
| 4      | 7090509   | 2    | WASHER, 1/2" Internal Tooth Lock                                 |
| 5      | 7090559   | 2    | NUT, 1/2-20 Hex Jam                                              |
| 6      | 7091508   | 3    | BOLT, 5/16-18 x 3/4" Short Neck Carriage (Grade 5) (Was 7090001) |
| 7      | 7090188   | 3    | WASHER, 5/16" Flat                                               |
| 8      | 7091537   | 3    | NUT, 5/16-18 Wing (Was 7090492)                                  |
| 9      | 7017176   | 1    | DECAL, Recycling Ground Speeds                                   |
| 10     | 7017328   | 1    | DECAL, Recycling Height of Cut                                   |
| 11     | 7022325   | 1    | DECAL, Cut Height                                                |

Not for  
Reproduction

## Footnotes

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

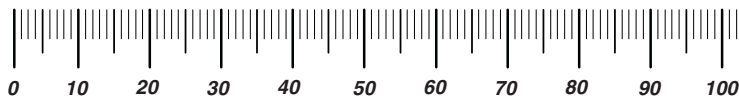
7061253 - Ninja Recycling Kit

Not for  
Reproduction

# Hardware Identification & Torque Specifications

| Torque Specification Chart                                   |                                                                                                |      |                                                                                                |      |                                                                                                 |      |                                                                                                 |      |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------|------|
| FOR STANDARD METRIC MACHINE HARDWARE (Tolerance $\pm 20\%$ ) |                                                                                                |      |                                                                                                |      |                                                                                                 |      |                                                                                                 |      |
| Property Class                                               | <br>Class 5.6 |      | <br>Class 8.8 |      | <br>Class 10.9 |      | <br>Class 12.9 |      |
| Size Of Hardware                                             | in/lbs<br>ft/lbs                                                                               | Nm.  | in/lbs<br>ft/lbs                                                                               | Nm.  | in/lbs<br>ft/lbs                                                                                | Nm.  | in/lbs<br>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 |

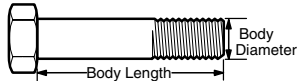
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread  
Diameter (mm)  
Inside Diameter (in)  
Threads per inch

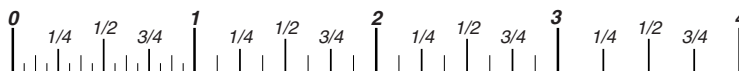
Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm)  
Body Diameter  
Distance between threads (mm)  
Threads per inch  
Body Length (mm)  
Body Length (in)

Screw, 1/2- 16 x 2



## 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**, (**1.25 thread diameter**). The final number is the body length of the bolt or screw, 2 inches (50mm).

| Torque Specification Chart                            |                                                                                                    |       |                                                                                                    |       |                                                                                                    |         |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------|---------|
| FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$ ) |                                                                                                    |       |                                                                                                    |       |                                                                                                    |         |
| Hardware Grade                                        | <br>SAE Grade 2 |       | <br>SAE Grade 5 |       | <br>SAE Grade 8 |         |
| Size Of Hardware                                      | 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  | 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

Hex Head Capscrew



Washer



Lockwasher

Carriage Bolt



Hex Nut

## Wrench & Fastener Size Guide

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

Not for  
Reproduction

**IT IS THE POLICY OF BRIGGS & STRATTON CORP TO IMPROVE ITS PRODUCTS  
WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO  
MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY  
OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS.**

**Briggs & Stratton Power Products Group, L.L.C.**

P.O. Box 702  
Milwaukee, WI 53201-0702 USA

|                       |                       |
|-----------------------|-----------------------|
| BRIGGSandSTRATTON.com | Murray.com            |
| Snapper.com           | AllisChalmersLawn.com |
| SimplicityMFG.com     | AGCOLawn.com          |
| MasseyLawn.com        |                       |