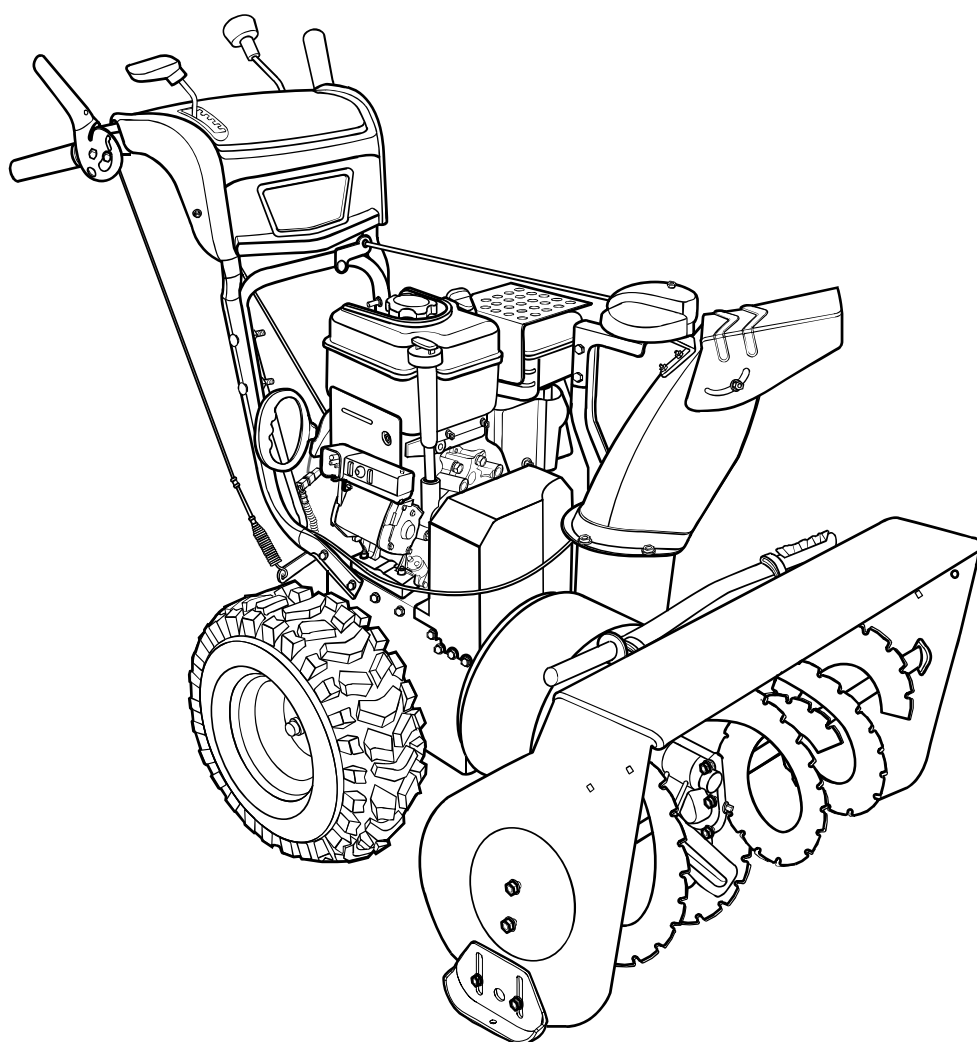




# Parts List

Model  
**1695693**



1739558  
Revision B  
Rev. Date 10/2009

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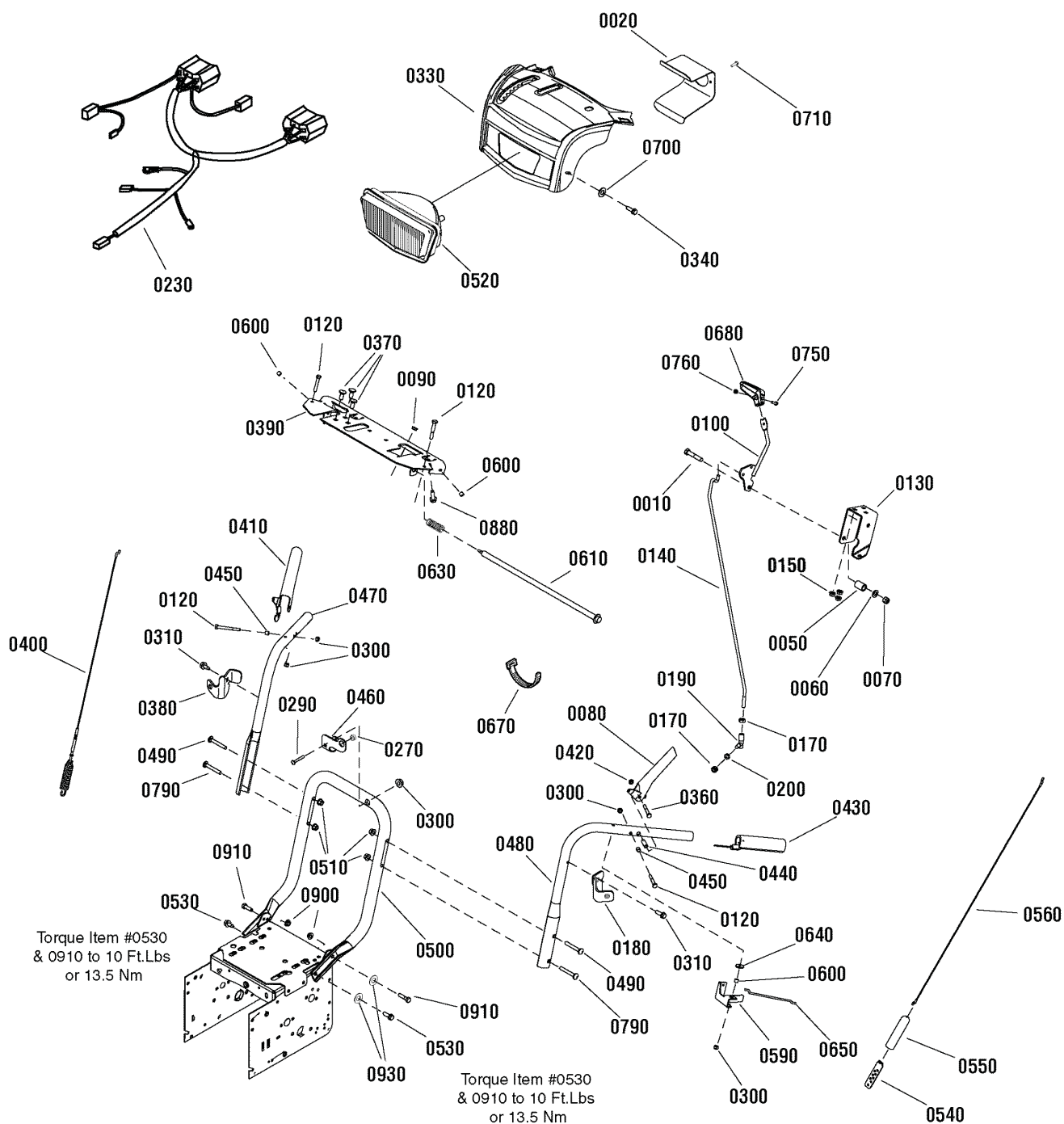
| <b>PRODUCT COMPONENTS</b>               | <b>PAGES</b>             |
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## Handles and Controls Group

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

2988370



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Handles and Controls Group

| REF NO | PART NO.   | QTY. | DESCRIPTION                                    |
|--------|------------|------|------------------------------------------------|
| 0010   | 1923701SM  | 1    | CAPSCREW, Hex Head, 3/8-16 x 2                 |
| 0020   | 1736305AYP | 1    | BRACKET, Light Mount                           |
| 0050   | 50786MA    | 1    | SPRING, 3/4                                    |
| 0060   | 1918266SM  | 1    | WASHER, 3/8                                    |
| 0070   | 1919439SM  | 1    | NUT, Hex Lock, Esna Light, 3/8-16              |
| 0080   | 1737690YP  | 1    | LEVER, Clutch, Left                            |
| 0090   | 1667588SM  | 1    | BUSHING                                        |
| 0100   | 1736836YP  | 1    | SPEED LEVER                                    |
| 0120   | 1921962SM  | 4    | CAPSCREW, Hex Head, 1/4-20 x 1-3/4             |
| 0130   | 1737684YP  | 1    | BRACKET, Controls                              |
| 0140   | 1734354SM  | 1    | ROD, 25 Inch                                   |
| 0150   | 1931277SM  | 3    | NUT, Hex Flange, Whiz Lock, 5/16-18            |
| 0170   | 2820263SM  | 2    | NUT, Hex, 5/16-24                              |
| 0180   | 1736147YP  | 1    | BRACKET, Mounting, Panel, Left                 |
| 0190   | 50782MA    | 1    | BALLJOINT, Steel                               |
| 0200   | 1917356SM  | 1    | LOCKWASHER, Spring, 5/16                       |
| 0230   | 1738286YP  | 1    | WIRE HARNESS, Headlights                       |
| 0270   | 1501874MA  | 1    | BUSHING, Chute Crank                           |
| 0290   | 1931323SM  | 1    | BOLT, Carriage, 1/4-20 x 2 (Grade 5)           |
| 0300   | 1920397SM  | 5    | NUT, Hex Lock, Esna Light, 1/4-20              |
| 0310   | 1927429SM  | 2    | SCREW, Hex Washer Head, Taptite, 1/4-20 x 5/8  |
| 0330   | 1736346YP  | 1    | COVER ASSEMBLY, Panel                          |
| 0340   | 1960556SM  | 2    | SCREW, Pan Head, Torx, 1/4-20 x 3/4            |
| 0360   | 1922837SM  | 2    | CAPSCREW, Hex Head, 1/4-20 x 1-1/2 (Grade 5)   |
| 0370   | 340720MA   | 3    | BOLT, Carriage, 5/16-18 x 3/4                  |
| 0380   | 1736354YP  | 1    | BRACKET, Mounting, Panel, Right                |
| 0390   | 1737685AYP | 1    | SUPPORT, Dash Panel                            |
| 0400   | 1732471SM  | 1    | ASSEMBLY, Cable and Spring, Auger Drive, Right |
| 0410   | 1736323YP  | 1    | LEVER, Clutch, Right                           |
| 0420   | 1923358SM  | 2    | NUT, Hex Centerlock, 1/4-20                    |
| 0430   | 1726317SM  | 2    | GRIP                                           |
| 0440   | 1736542YP  | 2    | SPACER, Stepped                                |
| 0450   | 1678392SM  | 2    | SPACER                                         |
| 0460   | 1735589YP  | 1    | BRACKET, Rod Support                           |
| 0470   | 1734587ASM | 1    | HANDLE, Upper, Right                           |
| 0480   | 1734586ASM | 1    | HANDLE, Upper, Left                            |
| 0490   | 1960273SM  | 2    | BOLT, Carriage, 5/16-18 x 2-1/2 (Grade 5)      |
| 0500   | 1737759AYP | 1    | HANDLE, Lower                                  |
| 0510   | 1960686SM  | 4    | NUT, Hex Flange, Esna, 5/16-18                 |
| 0520   | 1736208YP  | 1    | HEAD LIGHT ASSEMBLY                            |
| 0530   | 1664847SM  | 2    | SCREW, Hex Washer Head, Taptite, 5/16-18 x 3/4 |
| 0540   | 313441MA   | 1    | BRACKET, Cable Adjusting                       |

## Footnotes

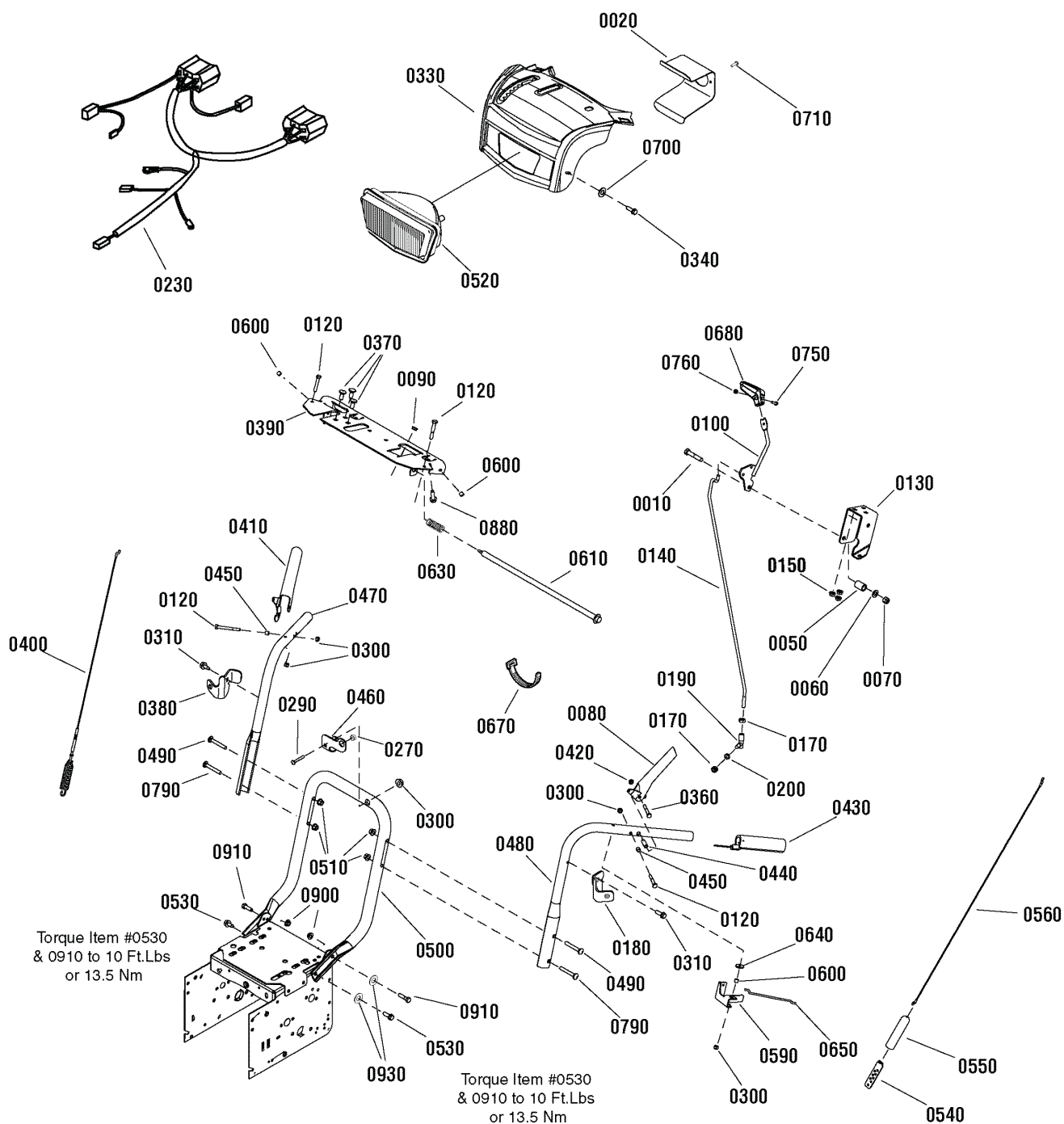
The above parts group applies to the following Mfg. Nos.:

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Handles and Controls Group

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

2988370



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

### ***Handles and Controls Group***

| <b>REF NO</b> | <b>PART NO.</b> | <b>QTY.</b> | <b>DESCRIPTION</b>                        |
|---------------|-----------------|-------------|-------------------------------------------|
| 0550          | 308146MA        | 1           | BOOT, Spring End Cover, 4 Inch            |
| 0560          | 1502113MA       | 1           | CABLE, Front Drive                        |
| 0670          | 1701011SM       | 5           | TIE, Self Locking                         |
| 0590          | 1733505ASM      | 1           | BRACKET, Free Hand Control                |
| 0600          | 1733095SM       | 3           | SPACER, 1/4ID x 3/8OD x 1/8               |
| 0610          | 1733509SM       | 1           | ROD AND SPRING ASSEMBLY                   |
| 0630          | 2108360SM       | 1           | SPRING, Compression                       |
| 0640          | 1960353SM       | 1           | WASHER, 1/4                               |
| 0650          | 1736360YP       | 1           | ROD, HOLDDOWN                             |
| 0670          | 1701011SM       | 5           | TIE, Self Locking                         |
| 0680          | 1733192SM       | 1           | KNOB, Slot Speed                          |
| 0700          | 1921319SM       | 2           | WASHER, 1/4                               |
| 0710          | 316042MA        | 2           | SCREW, Hex Washer Head, #10 x 5/8         |
| 0750          | 1960589SM       | 1           | SCREW, Phillips, #10-24 x 3/4             |
| 0760          | 1933896SM       | 1           | NUT, Hex Lock, 10-24                      |
| 0790          | 1931338SM       | 2           | BOLT, Carriage, 5/16-18 x 1-3/4 (Grade 5) |
| 0880          | 7091081SM       | 2           | SCREW, Self Tap, 1/4-15 x 3/4             |
| 0900          | 1935048SM       | 2           | NUT, Hex Flange, Two Way Lock, 5/16-18    |
| 0910          | 1921333SM       | 2           | CAPSCREW, Hex Head, 5/16-18 x 1 (Grade 5) |
| 0930          | 71071MA         | 2           | WASHER, Flat                              |

### **Footnotes**

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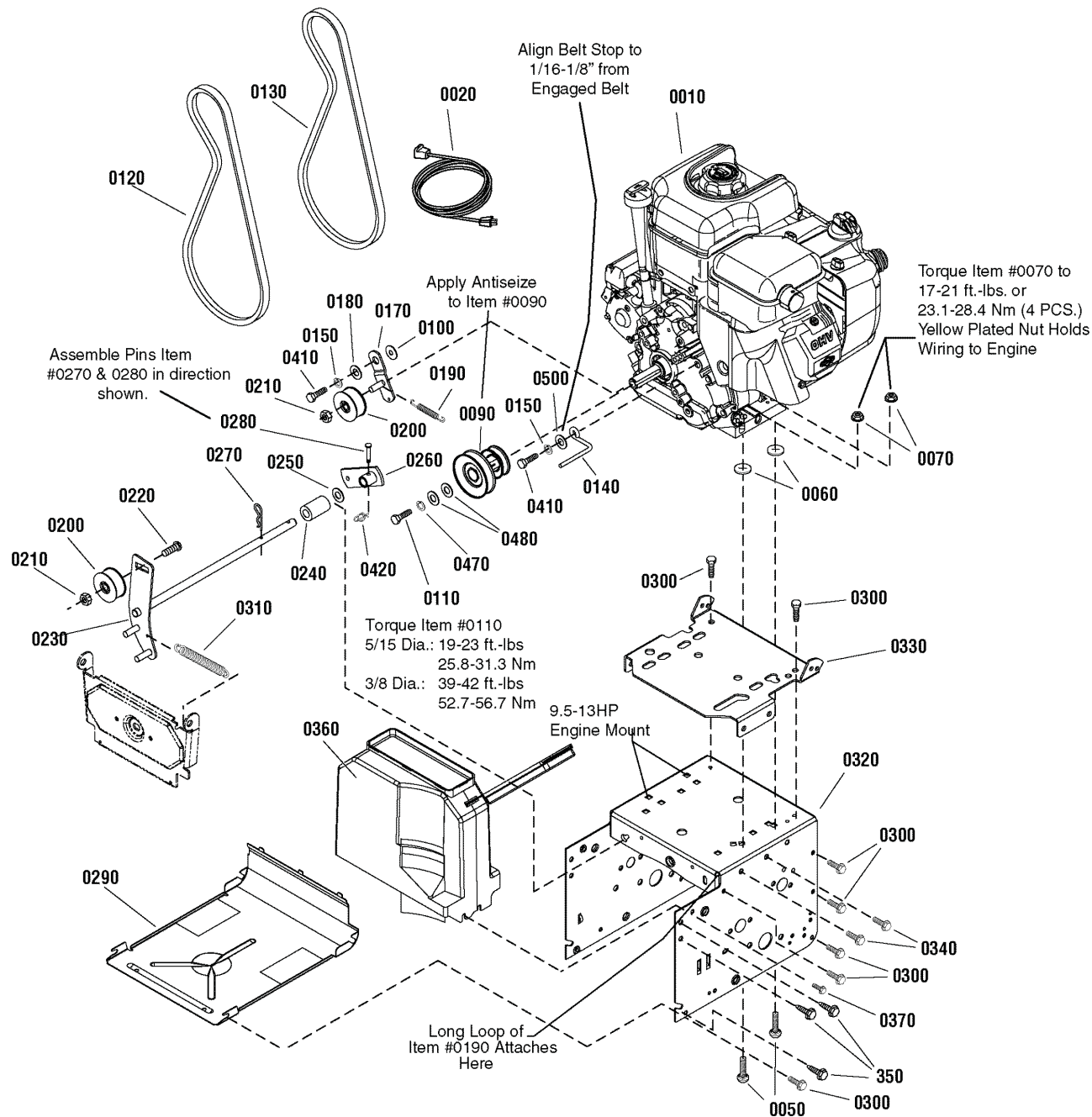
**The above parts group applies to the following Mfg. Nos.:**

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Engine & Frame Group

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

2988374



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Engine & Frame Group

| REF NO | PART NO.       | QTY. | DESCRIPTION                                    |
|--------|----------------|------|------------------------------------------------|
| 0010   | 20M314-0126-E1 | 1    | * ENGINE, 14.5TP 110V 60W                      |
| 0020   | 761332MA       | 1    | CORD, 10FT                                     |
| 0050   | 002X97MA       | 4    | BOLT, Carriage, 5/16-18 x 1-1/2                |
| 0060   | 028X76MA       | 4    | NUT, Push, 1/4 Dia.                            |
| 0070   | 2831277SM      | 1    | NUT, Hex Flange, 5/16-18 Whiz-Lock, SM YEL     |
| 0090   | 1501109MA      | 1    | PULLEY, Engine                                 |
| 0100   | 1919381SM      | 1    | WASHER, 5/16                                   |
| 0110   | 1960428SM      | 1    | CAPSCREW, Hex Head, 3/8-24 x 1-1/4 G8          |
| 0120   | 1733324SM      | 1    | V-BELT, 3L, 33.13                              |
| 0130   | 585416MA       | 1    | BELT, AUGER V 4L                               |
| 0140   | 1733014SM      | 1    | STOP, Belt, 3                                  |
| 0150   | 1917356SM      | 2    | LOCKWASHER, Spring, 5/16                       |
| 0160   | 1921515SM      | 3    | CAPSCREW, Hex-Head, 5/16-24X0.750 G5           |
| 0170   | 1501112YZMA    | 1    | BRACKET, Idler                                 |
| 0180   | 1501065MA      | 1    | BUSHING, Idler Bracket                         |
| 0190   | 53704MA        | 1    | SPRING, External Idler                         |
| 0200   | 1502120MA      | 2    | IDLER, Plastic Ball Bearing                    |
| 0210   | 1960251SM      | 2    | NUT, Hex, Centerlock, 3/8-16                   |
| 0220   | 585781MA       | 1    | BOLT, Carriage, 3/8-16 x 1-1/4 G5              |
| 0230   | 1501226YZMA    | 1    | ASSEMBLY, Auger Idler                          |
| 0240   | 1502041MA      | 1    | SPACER, Auger BRACKET GRAY PLASTIC 1.61L       |
| 0250   | 1960027SM      | 1    | WASHER, 1/2                                    |
| 0260   | 1733451SM      | 1    | ARM-CONTROL 2008 WB SNOW P'MTL YEL             |
| 0270   | 711682MA       | 1    | PIN, Hair 3/8 x 1-5/8                          |
| 0280   | 1736381YP      | 1    | PIN, CLEVIS                                    |
| 0290   | 1740906ASM     | 1    | PANEL, Bottom                                  |
| 0300   | 1927429SM      | 12   | SCREW, Hex-Washer head, Taptite, 1/4-20 X 5/8  |
| 0310   | 165X159MA      | 1    | SPRING, External, Auger, Idler                 |
| 0320   | 1740571BIYP    | 1    | FRAME BOX                                      |
| 0330   | 1733583BIYP    | 1    | PLATE, Engine Mount                            |
| 0340   | 1924856SM      | 4    | SCREW, Hex-Washer head, Taptite, 5/16-18 x 1/2 |
| 0350   | 1664847SM      | 6    | SCREW, Hex-Washer head, Taptite, 5/16-18 x 3/4 |
| 0360   | 1502169MA      | 1    | COVER, BELT                                    |
| 0370   | 26X306MA       | 2    | SCREW, Self-Tapping, 1/4 x 3/4                 |
| 0410   | 910828MA       | 1    | BOLT, Hex, 5/16-24 x 1.00 YZ                   |
| 0420   | 7023590SM      | 1    | PIN, Cotter, Self Locking, 1/4"                |
| 0470   | 1916965SM      | 1    | LOCKWASHER, Spring 3/8                         |
| 0480   | 1922755SM      | 2    | WASHER, Flat, 3/8                              |
| 0500   | 7091528SM      | 1    | WASHER, .375 x .875 x .083 Flat                |

### Footnotes

Note\* See your local Briggs & Stratton distributor for parts and service.

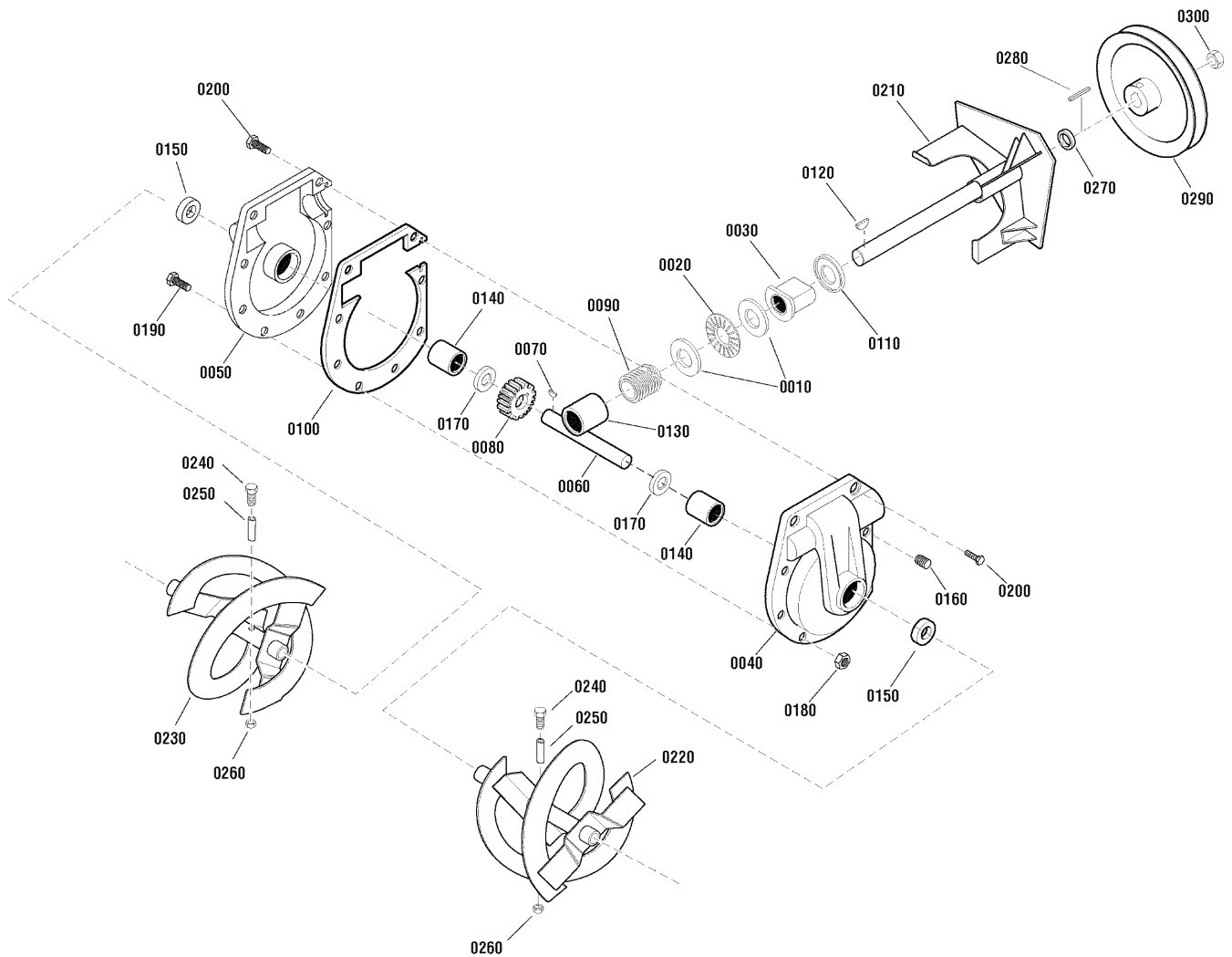
**The above parts group applies to the following Mfg. Nos.:**

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Auger Drive Group

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

2988373



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

### Auger Drive Group

| REF NO | PART NO.    | QTY. | DESCRIPTION                    |
|--------|-------------|------|--------------------------------|
| 0010   | 48275MA     | 2    | WASHER, FLAT                   |
| 0020   | 50684MA     | 1    | BEARING, Roll, 3/4ID x 1-1/4OD |
| 0030   | 583126MA    | 1    | BEARING, FLANGE                |
| 0040   | 895MA       | 1    | CASE, GEAR, LH                 |
| 0050   | 896MA       | 1    | CASE, GEAR, RH                 |
| 0060   | 760528MA    | 1    | SHAFT, AUGER OUTPUT            |
| 0070   | 73905MA     | 1    | KEY, WOODRUFF #91              |
| 0080   | 53730MA     | 1    | WORM GEAR                      |
| 0090   | 53732MA     | 1    | WORMGEAR, 1-3/4OD x 1-9/16     |
| 0100   | 897MA       | 1    | GASKET, GEAR BOX               |
| 0110   | 53737MA     | 1    | RING, QUAD 0.924 ID            |
| 0120   | 50795MA     | 1    | KEY                            |
| 0130   | 53731MA     | 1    | BEARING, SLEEVE                |
| 0140   | 53743MA     | 2    | BEARING, SLEEVE                |
| 0150   | 780151MA    | 2    | SEAL, OIL                      |
| 0160   | 53749MA     | 1    | PLUG, PIPE 0.25-18             |
| 0170   | 53748MA     | 2    | WASHER, FLAT                   |
| 0180   | 71100MA     | 8    | NUT, 5/16-24                   |
| 0190   | 910828MA    | 7    | SCREW, 5/16-24 x 1.00          |
| 0200   | 330434MA    | 1    | SCREW, 5/16-24 x 1.50          |
| 0210   | 1740584AYP  | 1    | WELD, IMPELLER                 |
| 0220   | 1740738BJYP | 1    | AUGER, ASSEMBLY, LH            |
| 0230   | 1740739BJYP | 1    | AUGER, ASSEMBLY, RH            |
| 0240   | 9524MA      | 2    | SCREW, 1/4-20 X 1.75           |
| 0250   | 3943MA      | 2    | SPACER, SLEEVE                 |
| 0260   | 73826MA     | 2    | NUT, Hex 1/4-20                |
| 0270   | 1501158MA   | 1    | SPACER, Friction Pulley        |
| 0280   | 2001022MA   | 1    | KEY, SQUARE 3/16 X 3/4         |
| 0290   | 1737261YP   | 1    | PULLEY ASSEMBLY                |
| 0300   | 15X112MA    | 1    | NUT, .50-20 HEX FLANGE         |

### Footnotes

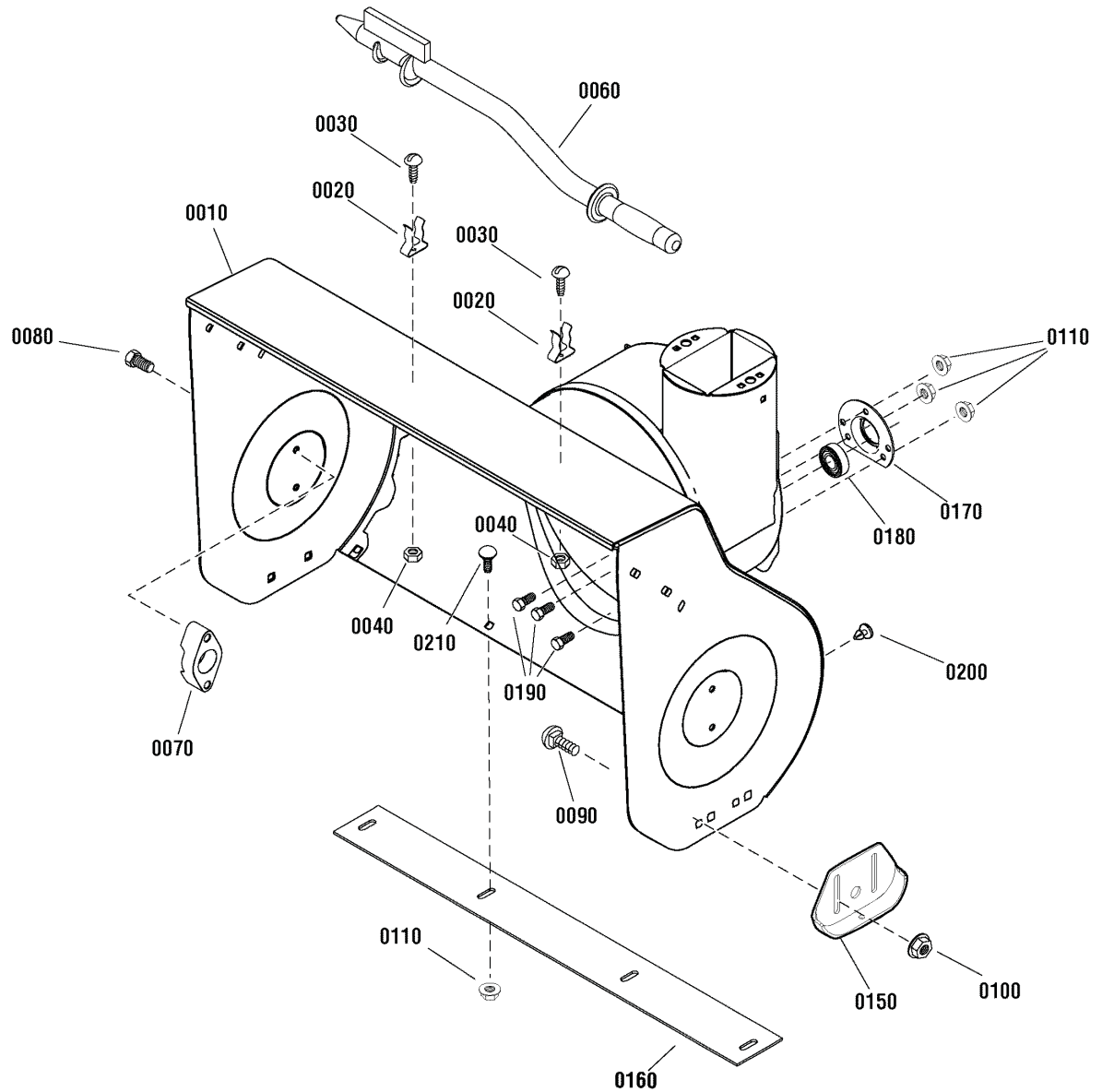
The above parts group applies to the following Mfg. Nos.:

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Auger Housing Assembly

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

2988422



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

### **Auger Housing Assembly**

| REF NO | PART NO.    | QTY. | DESCRIPTION                           |
|--------|-------------|------|---------------------------------------|
| 0010   | 1737925BIYP | 1    | HOUSING, ASSEMBLY                     |
| 0020   | 1736620YP   | 2    | CLAMP, SPRING                         |
| 0030   | 1960569SM   | 2    | SCREW, Truss Head Torx, #10-24 x 3/8  |
| 0040   | 15X146MA    | 2    | NUT, Nylock, 10 x 24                  |
| 0060   | 1736094YP   | 1    | BRUSH, CLEANOUT                       |
| 0070   | 53757MA     | 2    | BEARING, FLANGE                       |
| 0080   | 25X021MA    | 4    | SCREW, TAP 5/16-18 X 0.75             |
| 0090   | 7091547YP   | 4    | BOLT, Carriage, 3/8-16 x 3/4, G5      |
| 0100   | 7091619SM   | 4    | NUT, Hex Flange, 3/8-16               |
| 0110   | 710026MA    | 7    | NUT, 5/16-18 Hex-Flange, SERLK        |
| 0150   | 1737986AYP  | 2    | SKID, Height Adjust                   |
| 0160   | 1740746AYP  | 1    | BLADE, SCRAPER                        |
| 0170   | 582957YZMA  | 1    | RETAINER, Ball Bearing                |
| 0180   | 1705897SM   | 1    | BEARING, Ball, 11/16 x 1-9/16 x 15/32 |
| 0190   | 001X45MA    | 3    | BOLT, Hex, 5/16-18 x 5/8              |
| 0200   | 760040MA    | 2    | PLUG, PANEL                           |
| 0210   | 7090799SM   | 4    | BOLT, Carriage, 5/16-18 x 5/8         |

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### **Footnotes**

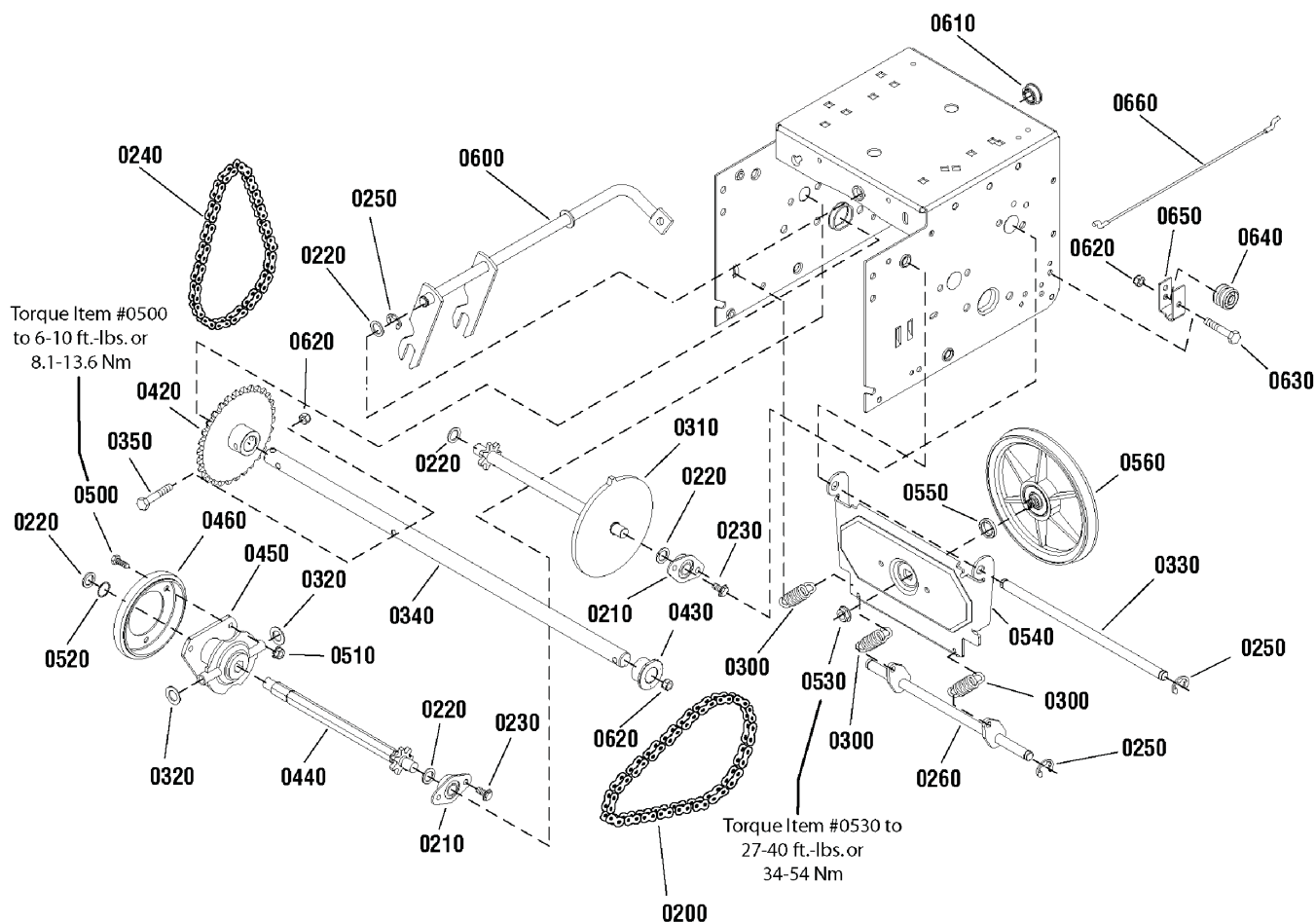
**The above parts group applies to the following Mfg. Nos.:**

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Traction Drive Group

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

2988389



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

### ***Traction Drive Group***

| <b>REF NO</b> | <b>PART NO.</b> | <b>QTY.</b> | <b>DESCRIPTION</b>                            |
|---------------|-----------------|-------------|-----------------------------------------------|
| 0200          | 579851MA        | 1           | CHAIN, Roller                                 |
| 0210          | 334163MA        | 4           | RETAINER & BUSHING ASSEMBLY                   |
| 0220          | 579858MA        | 5           | WASHER                                        |
| 0230          | 1924856SM       | 8           | SCREW, Hex Washer Head Taptite, 5/16-18 x 1/2 |
| 0240          | 579868MA        | 1           | CHAIN, Roller                                 |
| 0250          | 11X30MA         | 5           | RETAINER, Ring 7/16                           |
| 0260          | 1502105YZMA     | 1           | SPRING LINK ASSEMBLY                          |
| 0300          | 1736469YP       | 3           | SPRING, Extension                             |
| 0310          | 1501090MA       | 1           | SPROCKET, Set                                 |
| 0320          | 1960027SM       | 2           | WASHER, 1/2                                   |
| 0330          | 1501092YZMA     | 1           | AXLE, Swing Plate                             |
| 0340          | 1501563MA       | 1           | AXLE, Bushing                                 |
| 0350          | 01X193MA        | 1           | BOLT, Hex 1/4-20 x 1-3/4 G8                   |
| 0420          | 1501089MA       | 1           | SPROCKET, Axle                                |
| 0430          | 1501114MA       | 2           | BEARING, Axle D-Hole                          |
| 0440          | 1501100MA       | 1           | HEX SHAFT & SPROCKET ASSEMBLY                 |
| 0450          | 337029MA        | 1           | HUB, Friction Wheel & Bearing                 |
| 0460          | 1501435MA       | 1           | WHEEL, Friction                               |
| 0500          | 1921959SM       | 3           | CAPSCREW, Hex Head 1/4-20 x 5/8 G5            |
| 0510          | 1928372SM       | 3           | NUT, Hex KEPS 1/4-20                          |
| 0520          | 1733326SM       | 1           | RING, Retaining Extension                     |
| 0530          | 15X114MA        | 1           | NUT, 3/8-24 Flange Lock                       |
| 0540          | 1501057YZMA     | 1           | PLATE, Swinging                               |
| 0550          | 1501158MA       | 1           | SPACER, Friction Pulley                       |
| 0560          | 1501115MA       | 1           | FRICTION PULLEY ASSEMBLY                      |
| 0600          | 1501110YZMA     | 1           | SPEED SELECT ASSEMBLY                         |
| 0610          | 579944MA        | 1           | BEARING, Flange                               |
| 0620          | 1920397SM       | 2           | NUT, Hex Lock ESNA Light 1/4-20               |
| 0630          | 1922837SM       | 1           | CAPSCREW, Hex Head, 1/4-20 x 1-1/2 G5         |
| 0640          | 579860MA        | 1           | SPOOL CABLE, Auger Control                    |
| 0650          | 1501059YZMA     | 1           | BRACKET, Cable Spool                          |
| 0660          | 1501122MA       | 1           | CABLE, Front Drive Lower All                  |

### **Footnotes**

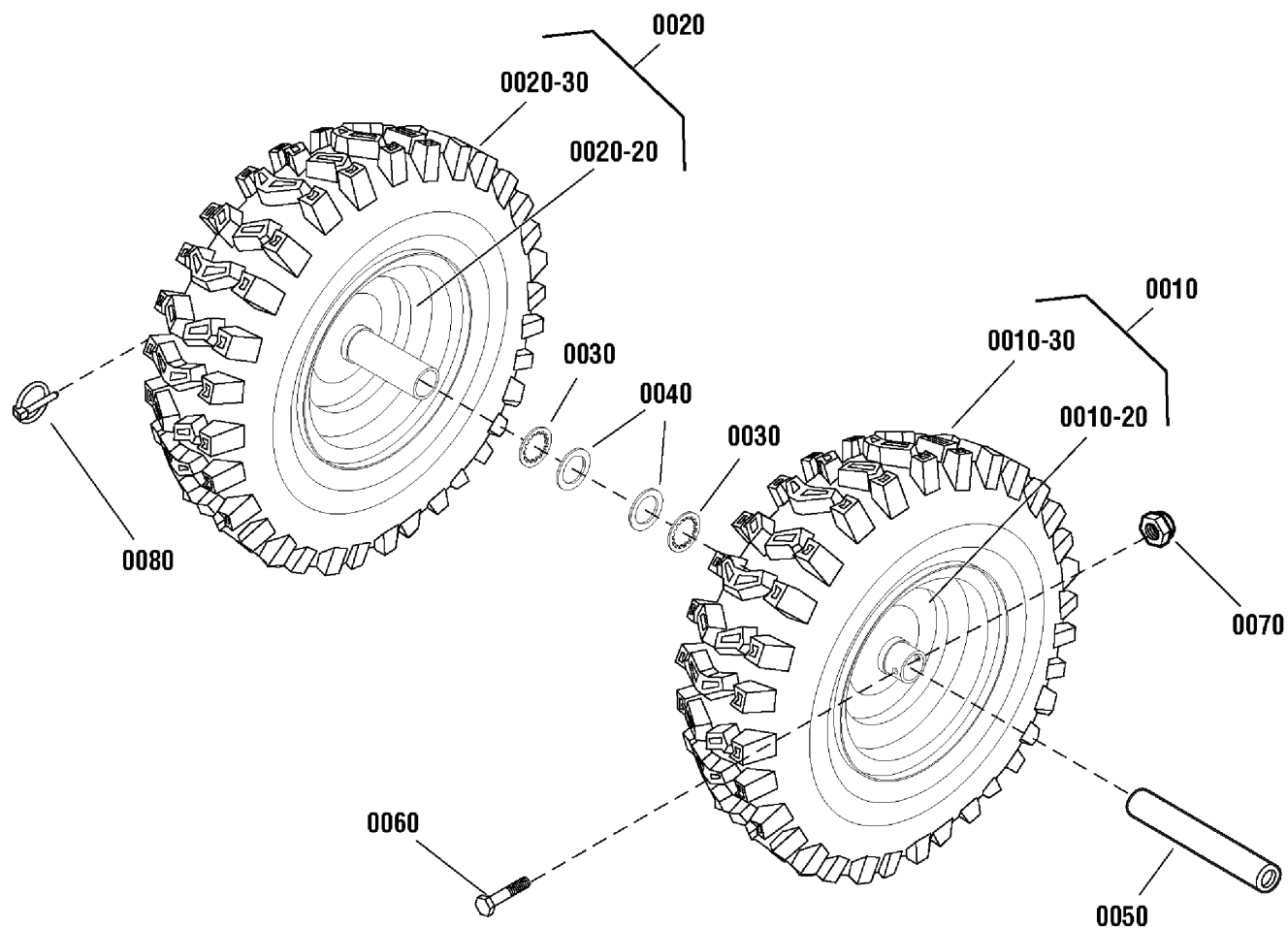
**The above parts group applies to the following Mfg. Nos.:**

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Wheels and Tires Group

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

2988582



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

### ***Wheels and Tires Group***

| <b>REF NO</b> | <b>PART NO.</b> | <b>QTY.</b> | <b>DESCRIPTION</b>                                                                      |
|---------------|-----------------|-------------|-----------------------------------------------------------------------------------------|
| 0010          | 1501839MA       | 1           | WHEEL AND TIRE ASSEMBLY, 16 x 4.8, XTRACM, Left (Includes Ref. Nos. 0010-20 & 0010-30)  |
| 0010-20       | 2172353SM       | 1           | VALVE STEM & CAP                                                                        |
| 0010-30       | 1735666SM       | 1           | TIRE, 4.80-8, X-TRAC TL                                                                 |
| 0020          | 1501838MA       | 1           | WHEEL AND TIRE ASSEMBLY, 16 x 4.8, XTRACM, Right (Includes Ref. Nos. 0020-20 & 0020-30) |
| 0020-20       | 2172353SM       | 1           | VALVE STEM & CAP                                                                        |
| 0020-30       | 1735666SM       | 1           | TIRE, 4.80-8, X-TRAC TL                                                                 |
| 0030          | 1657528SM       | 2           | RING, Retaining                                                                         |
| 0040          | 712120MA        | 2           | WASHER                                                                                  |
| 0050          | 1501138MA       | 2           | BUSHING, Wheel, 5-1/2, 16 Tire                                                          |
| 0060          | 577015MA        | 1           | BOLT, Hex, 1/4-20 x 1-3/4 (Grade 5)                                                     |
| 0070          | 15X145MA        | 1           | NUT, Hex Nylock, 1/4-20                                                                 |
| 0080          | 73842MA         | 1           | PIN, Klik                                                                               |

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### **Footnotes**

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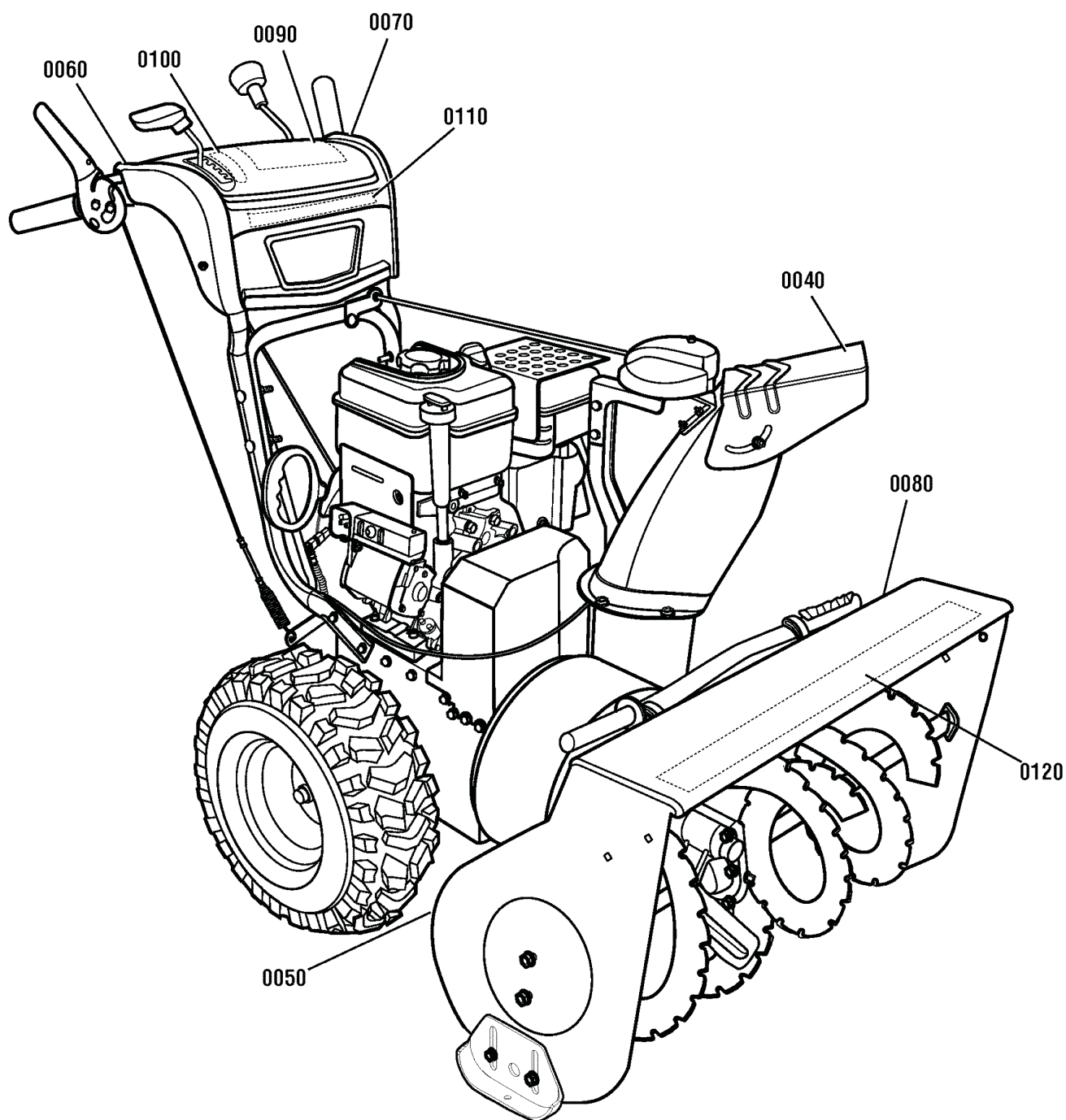
**The above parts group applies to the following Mfg. Nos.:**

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Decals Group

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

2988425



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

**Decals Group**

| REF NO | PART NO.  | QTY. | DESCRIPTION                     |
|--------|-----------|------|---------------------------------|
| 0040   | 1727207SM | 1    | DECAL, Chute Warning, Export    |
| 0050   | 1737867YP | 1    | DECAL, Danger Auger Icons       |
| 0060   | 1737869YP | 1    | DECAL, Auger Control Symbols    |
| 0070   | 1737870YP | 1    | DECAL, Traction Control Symbols |
| 0080   | 304427MA  | 1    | DECAL, Face Head Phones         |
| 0090   | 1737876YP | 1    | DECAL, Controls                 |
| 0100   | 1736616YP | 1    | DECAL, Gear Shift, P8/P9        |
| 0110   | 1736891YP | 1    | DECAL, Dash                     |
| 0120   | 1738177YP | 1    | DECAL, Auger Housing, 29 Inch   |

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**Footnotes**

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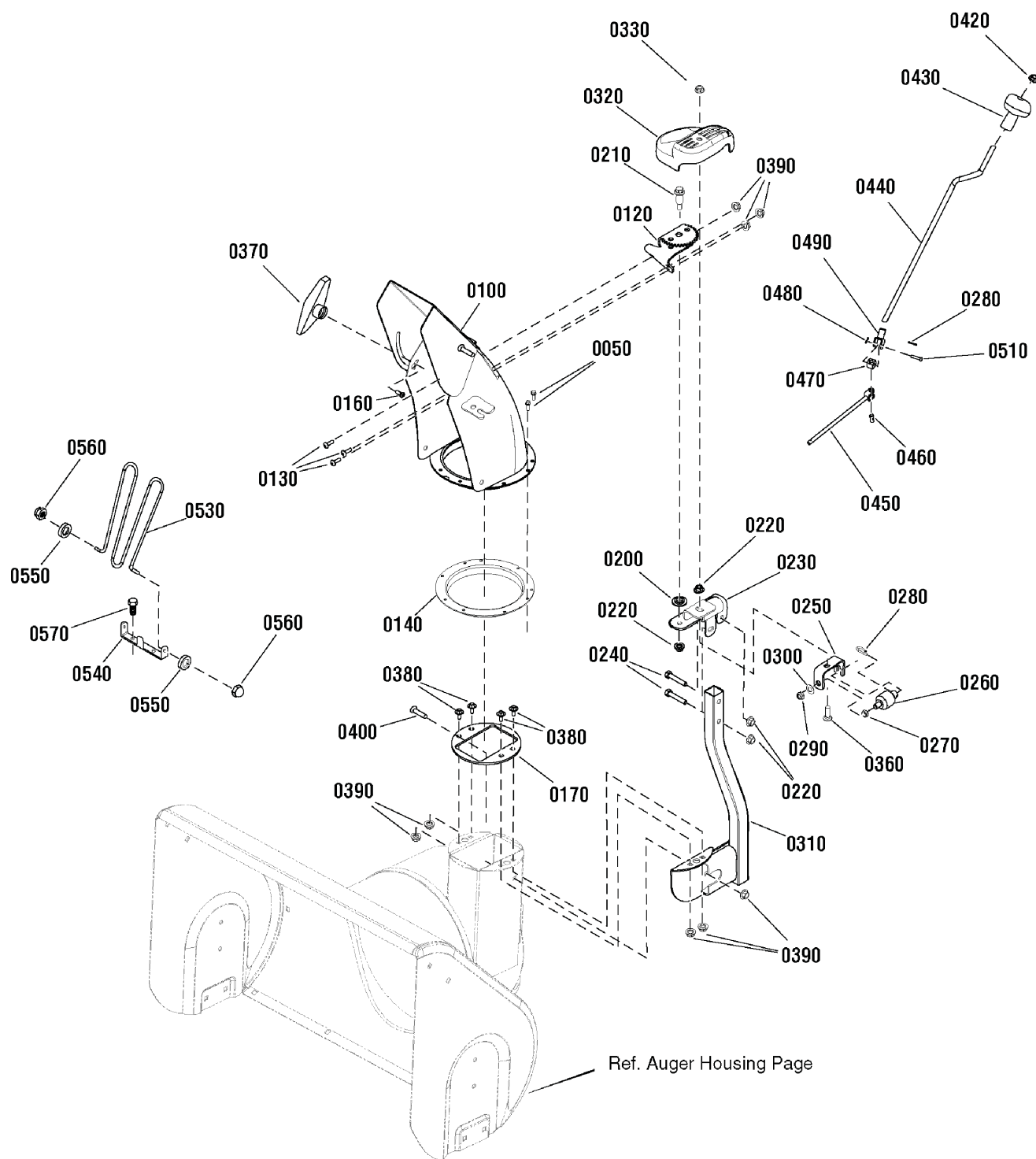
**The above parts group applies to the following Mfg. Nos.:**

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

## Discharge Chute Group

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

2988426



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

1695693 - Murray Ultra 14.5 TP Snowthrower (2009)

### **Discharge Chute Group**

| <b>REF NO</b> | <b>PART NO.</b> | <b>QTY.</b> | <b>DESCRIPTION</b>                            |
|---------------|-----------------|-------------|-----------------------------------------------|
| 0050          | 1925003SM       | 4           | SCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2 |
| 0100          | 1736719YP       | 1           | CHUTE ASSEMBLY                                |
| 0120          | 1736038YP       | 1           | GEAR / CHUTE SUPPORT                          |
| 0130          | 1960715SM       | 3           | SCREW, Truss Head, Torx Drive, 1/4-20 x 3/4   |
| 0140          | 1736444AYP      | 1           | RING, Chute Base                              |
| 0160          | 002X97MA        | 1           | BOLT, Carriage, 5/16-18 x 1-1/2               |
| 0170          | 1735767YP       | 1           | GUIDE, Chute Ring                             |
| 0200          | 1733026SM       | 1           | WASHER, 1/2                                   |
| 0210          | 1732412SM       | 1           | BOLT, Shoulder, 5/16-18 x 5/8 (Grade 5)       |
| 0220          | 1960684SM       | 4           | NUT, Hex Keps, 5/16-18                        |
| 0230          | 1734423ASM      | 1           | SUPPORT, Gear Crank                           |
| 0240          | 1922127SM       | 2           | CAPSCREW, Hex Head, 5/16-18 x 1-3/4 (Grade 5) |
| 0250          | 1734440SM       | 1           | SUPPORT, Worm                                 |
| 0260          | 1734439SM       | 1           | WORM, Chute, Left                             |
| 0270          | 1667588SM       | 1           | BUSHING                                       |
| 0280          | 1501293MA       | 1           | PIN, Hair                                     |
| 0290          | 1960762SM       | 1           | NUT, Hex Lock Jam, Esna Light, 3/8-24         |
| 0300          | 1734542SM       | 1           | WASHER, Cup                                   |
| 0310          | 1736195AYP      | 1           | CHUTE SUPPORT                                 |
| 0320          | 1734442SM       | 1           | COVER, Gear                                   |
| 0330          | 1935048SM       | 1           | NUT, Hex Flange, Two Way Lock, 5/16-18        |
| 0360          | 2X100MA         | 2           | BOLT, Carriage, 5/16-18 x 1                   |
| 0370          | 1501260MA       | 1           | KNOB, Wing                                    |
| 0380          | 691005          | 4           | SCREW, Hex Washer Head                        |
| 0390          | 5025391SM       | 8           | NUT, Hex Nylock Flange, 1/4-20                |
| 0400          | 02X101MA        | 1           | BOLT, Carriage, 1/4-20X0.75                   |
| 0420          | 1960093SM       | 1           | NUT, Push                                     |
| 0430          | 1714084SM       | 1           | KNOB, Spinner                                 |
| 0440          | 1735661YP       | 1           | CRANK, Chute Handle                           |
| 0450          | 1735660YP       | 1           | ROD AND YOKE                                  |
| 0460          | 578060MA        | 1           | PIN, Universal Joint                          |
| 0470          | 578063MA        | 1           | BLOCK, Universal Pivot                        |
| 0480          | 579493MA        | 1           | PIN, Cotter                                   |
| 0490          | 1733611SM       | 1           | YOKE AND TUBE, Chute                          |
| 0510          | 578309MA        | 2           | PIN, Clevis                                   |
| 0530          | 1733475SM       | 1           | GUARD, Chute                                  |
| 0540          | 1737683AYP      | 1           | BRACKET, Chute Guard                          |
| 0550          | 1738174YP       | 2           | GROMMET, Chute Guard                          |
| 0560          | 1960140SM       | 2           | NUT, Push                                     |
| 0570          | 1925003SM       | 2           | SCREW, Hex Washer Head, Taptite, 1/4-20 x 1/2 |

### **Footnotes**

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

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Not for  
Reproduction

# Hardware Identification & Torque Specifications

## Common Hardware Types

Hex Head Capscrew



Washer



Lockwasher

Carriage Bolt



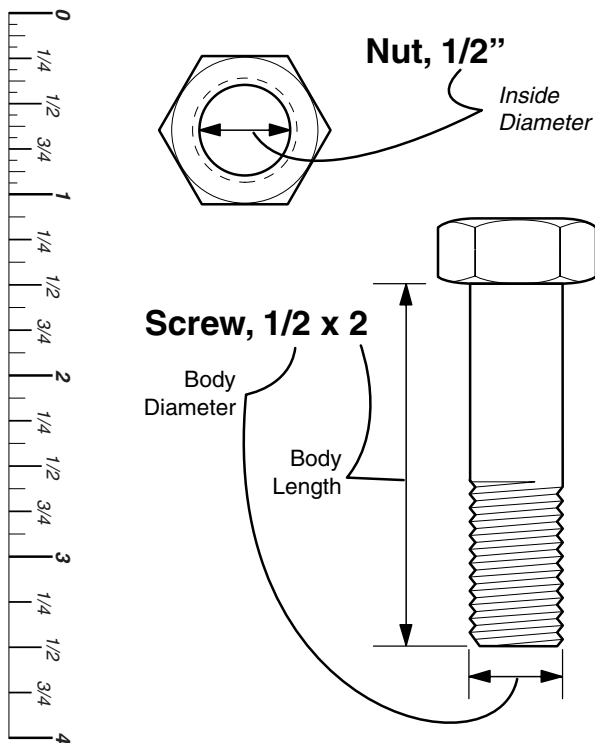
Hex Nut

## 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 |

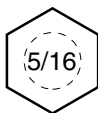
### NOTES

- 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.

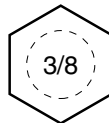
## Wrench & Fastener Size Guide



**1/4" Bolt or Nut**  
Wrench—7/16"



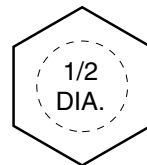
**5/16" Bolt or Nut**  
Wrench—1/2"



**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"

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