# Parts Manual

Mfg. No: 2691612-00

P21850Q, 21" 850, 3IN1 Self-Propelled Variable

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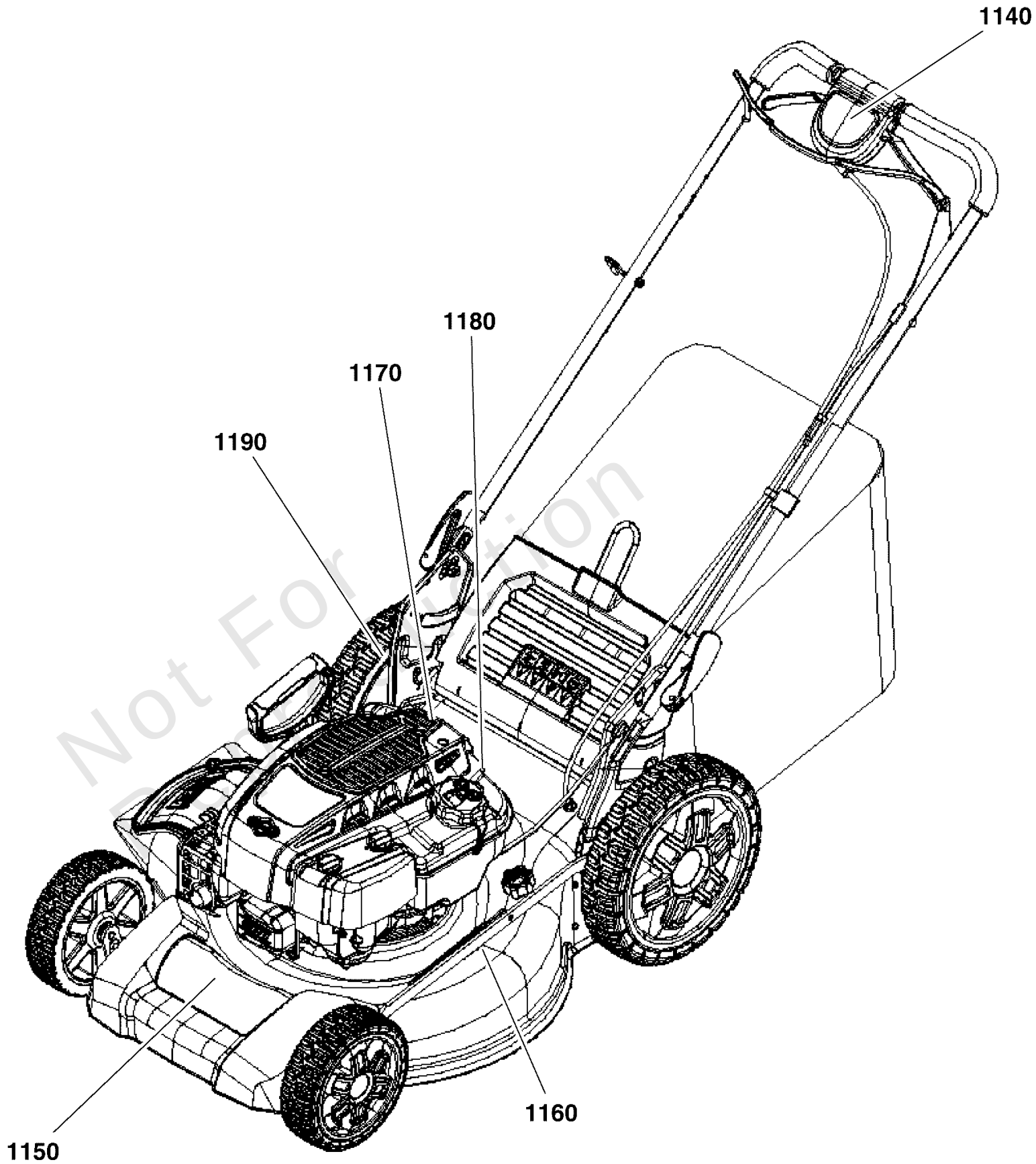


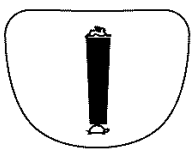

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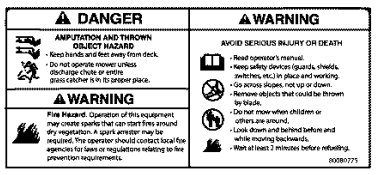


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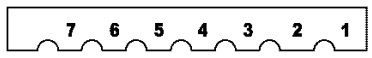


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## *Decals Group*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 1140 | ----- | 1 | DECAL, Speed |
| 1150 | ----- | 1 | DECAL, Snapper |
| 1160 | ----- | 1 | DECAL, Danger, English |
| 1170 | ----- | 1 | DECAL, Danger |
| 1180 | ----- | 1 | DECAL, Warning |
| 1190 | ----- | 1 | DECAL, Height of Cut |

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# *Deck & Engine Group*

Note: Unless noted otherwise, use the standard torque specifications

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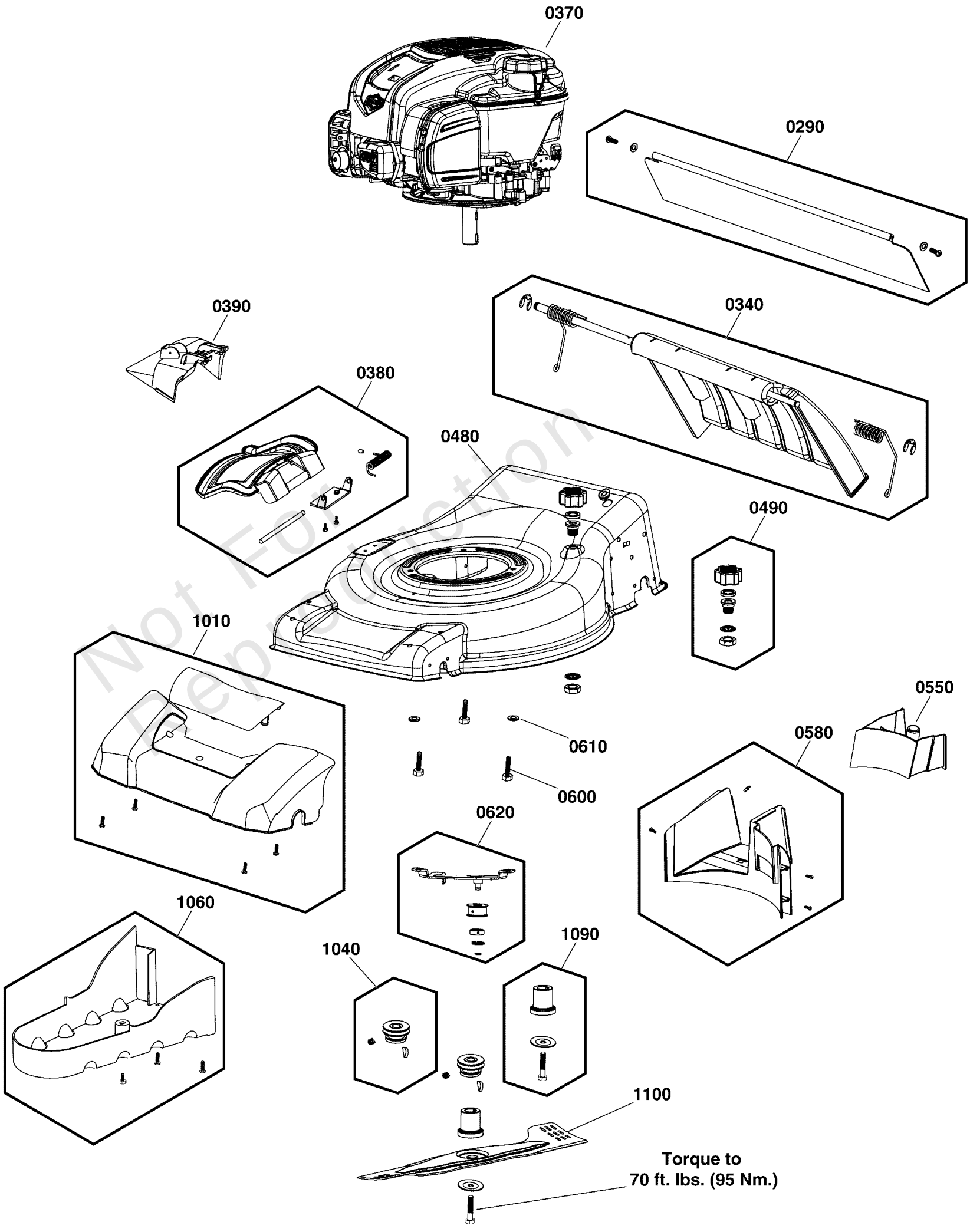


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## *Deck & Engine Group*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 0290 | 84002842 | 1 | COVER, Dust |
| 0340 | 84002851 | 1 | KIT, Deflector, Rear |
| 0370 | 123P02-0080-F1 | 1 | *ENGINE<br>-(Refer to Note: *) |
| 0380 | 84002852 | 1 | KIT, Deflector |
| 0390 | 707312 | 1 | CHUTE, Side Discharge |
| 0480 | ----- | 1 | DECK<br>-(Not a serviceable part.) |
| 0490 | 84002854 | 1 | KIT, Washout Port |
| 0550 | 84002859 | 1 | PLUG, Mulch |
| 0580 | 84002882 | 1 | KIT, Baffle Assembly |
| 0600 | ----- | 3 | SCREW, Engine Mount |
| 0610 | ----- | 2 | WASHER |
| 0620 | 84002899 | 1 | KIT, Idler Traction Drive |
| 1010 | 84002855 | 1 | KIT, Cover, Axle |
| 1040 | 84002899 | 1 | KIT, Idler Traction Drive |
| 1060 | 84003511 | 1 | KIT, Belt Cover |
| 1090 | 84002863 | 1 | KIT, Blade Adapter |
| 1100 | 84002861 | 1 | BLADE, Mower |

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**Footnotes:**

Note:* Refer to your local Briggs & Stratton distributor for parts and service.

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# *Drive Group*

Note: Unless noted otherwise, use the standard torque specifications

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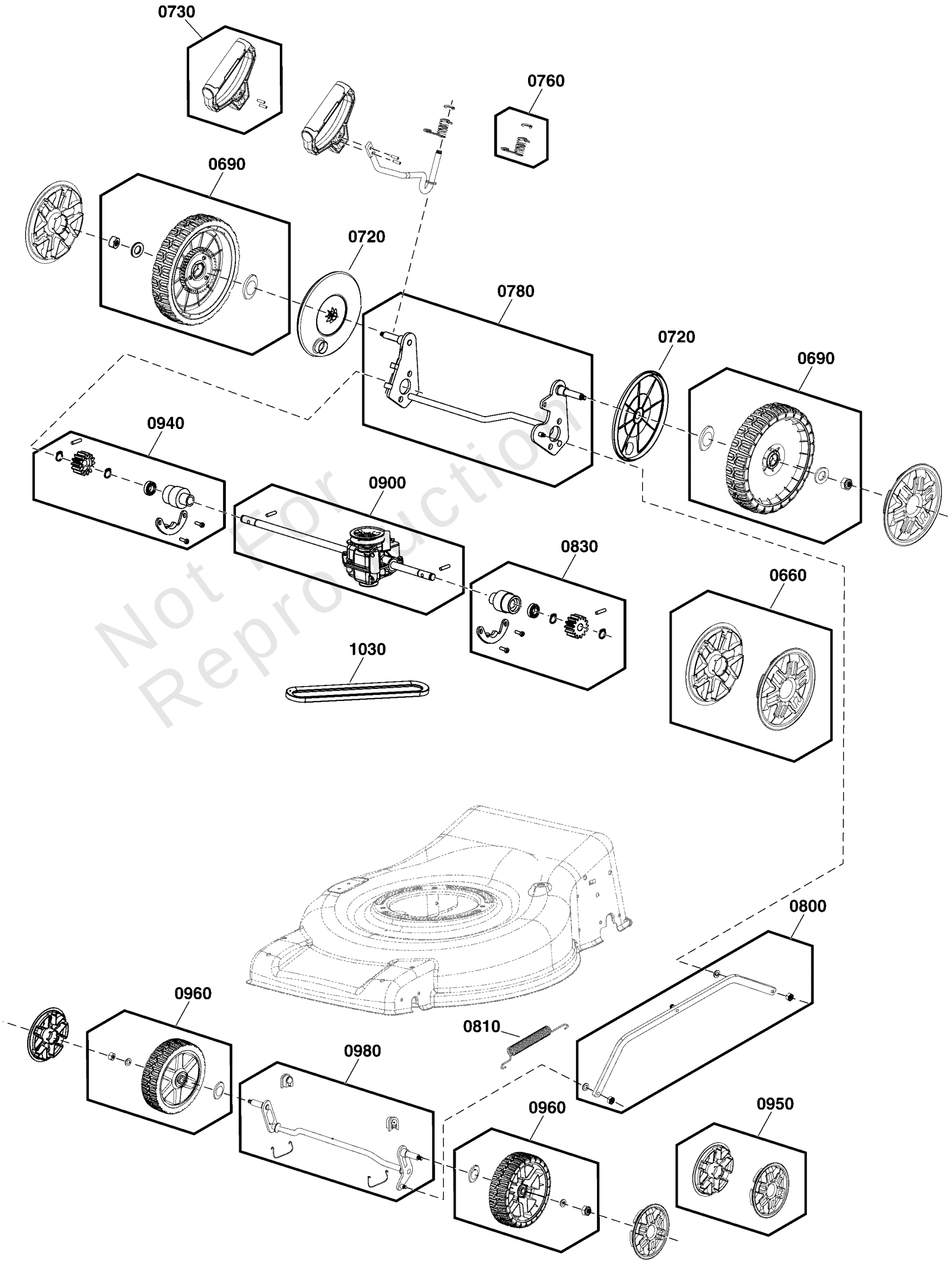


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## *Drive Group*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 0660 | 84002850 | 2 | KIT, Hub Cap -(300mm) |
| 0690 | 84002879 | 2 | KIT, Wheel -(300mm) |
| 0720 | 84002891 | 2 | COVER, Wheel, Dust |
| 0730 | 84002865 | 1 | KIT, Handle |
| 0760 | 84002864 | 1 | KIT, Spring |
| 0780 | 84002901 | 1 | AXLE, Rear |
| 0800 | 84002853 | 1 | KIT, Height Adjust |
| 0810 | 84005144 | 1 | SPRING |
| 0830 | 84002881 | 1 | KIT, Drive Gear, Right |
| 0900 | 84002900 | 1 | KIT, Transmission |
| 0940 | 84002880 | 1 | KIT, Drive Gear, Left |
| 0950 | 84002849 | 2 | KIT, Hub Cap -(200mm) |
| 0960 | 84002847 | 2 | KIT, Wheel -(200mm) |
| 0980 | 84002845 | 1 | KIT, Front Axle |
| 1030 | 84002890 | 1 | V-BELT |

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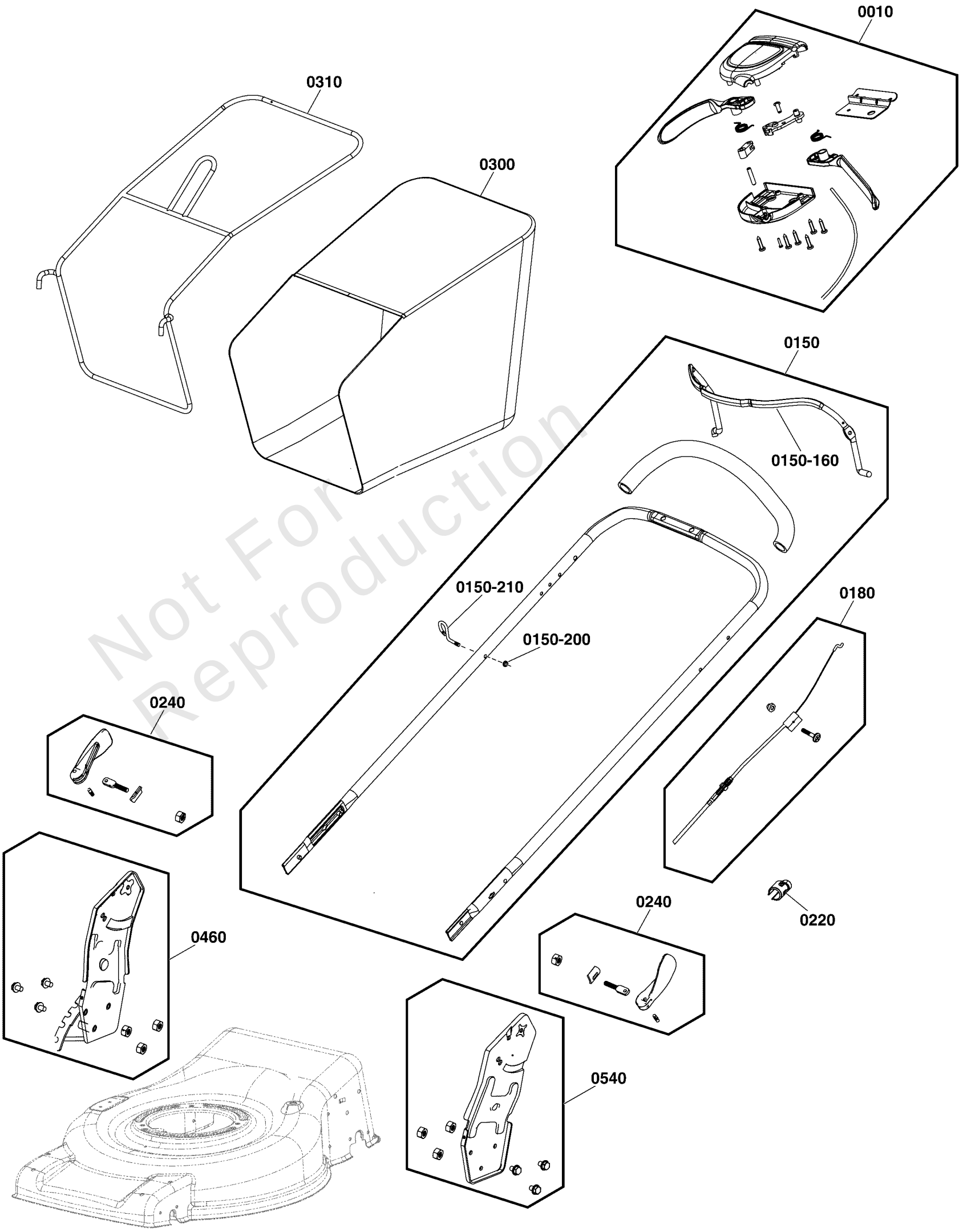


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## *Handles & Controls Group*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 0010 | 84002894 | 1 | KIT, Variable Speed |
| 0150 | 84002896 | 1 | KIT, Handle<br>-(Incl. Ref. Nos. 0150-160, 0150-200, 0150-210) |
| 0150-160 | 84002895 | 1 | BAIL ASSEMBLY |
| 0150-200 | 707196 | 1 | NUT, Self Lock, M6 |
| 0150-210 | 707218 | 1 | GUIDE, Rope |
| 0180 | 84002897 | 1 | KIT, Cable, Engine Stop |
| 0220 | 84002857 | 1 | GUIDE, Cable |
| 0240 | 84002843 | 2 | KIT, Knob, Lever |
| 0300 | 84002876 | 1 | CATCHER, Grass |
| 0310 | 84002858 | 1 | FRAME, Catcher, Grass |
| 0460 | 84002874 | 1 | KIT, Bracket, Right |
| 0540 | 84002875 | 1 | KIT, Bracket, Left |

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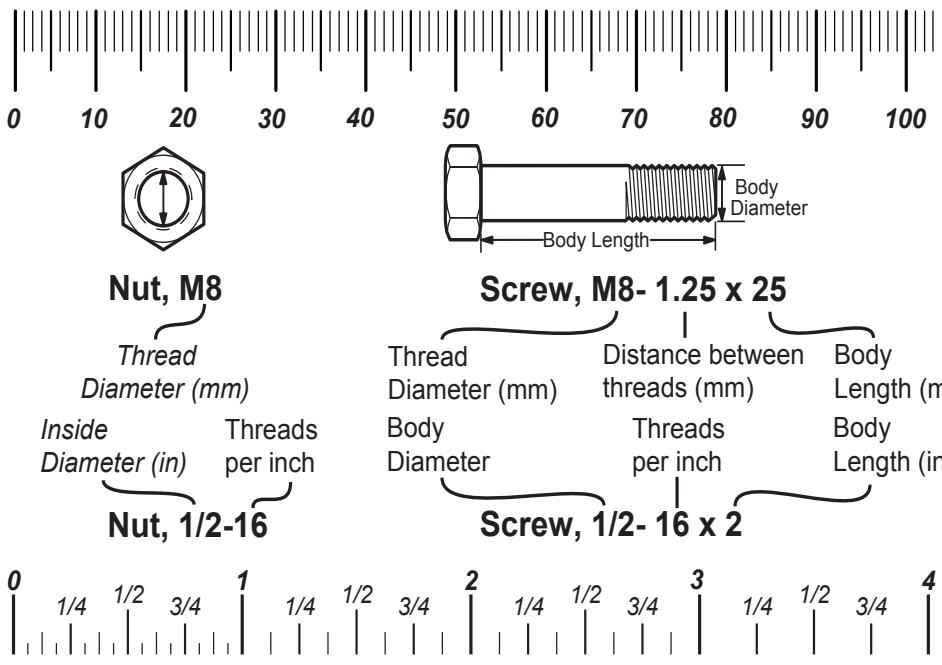
# Hardware Identification & Torque Specifications

## Torque Specification Chart

FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)

| Property Class | 5.6 Class 5.6 | | 8.8 Class 8.8 | | 10.9 Class 10.9 | | 12.9 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

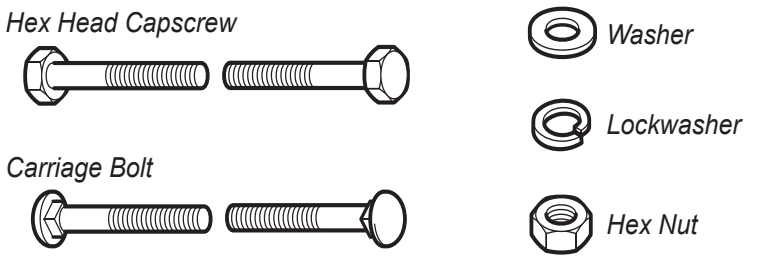
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

| Hardware Grade | No Marks 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**

1. 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.
2. Recommended seating torque values for locknuts:
   a. for prevailing torque locknuts - use 65% of grade 5 torques.
   b. for flange whizlock nuts and screws - use 135% of grade 5 torques.
3. 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—22 mm

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