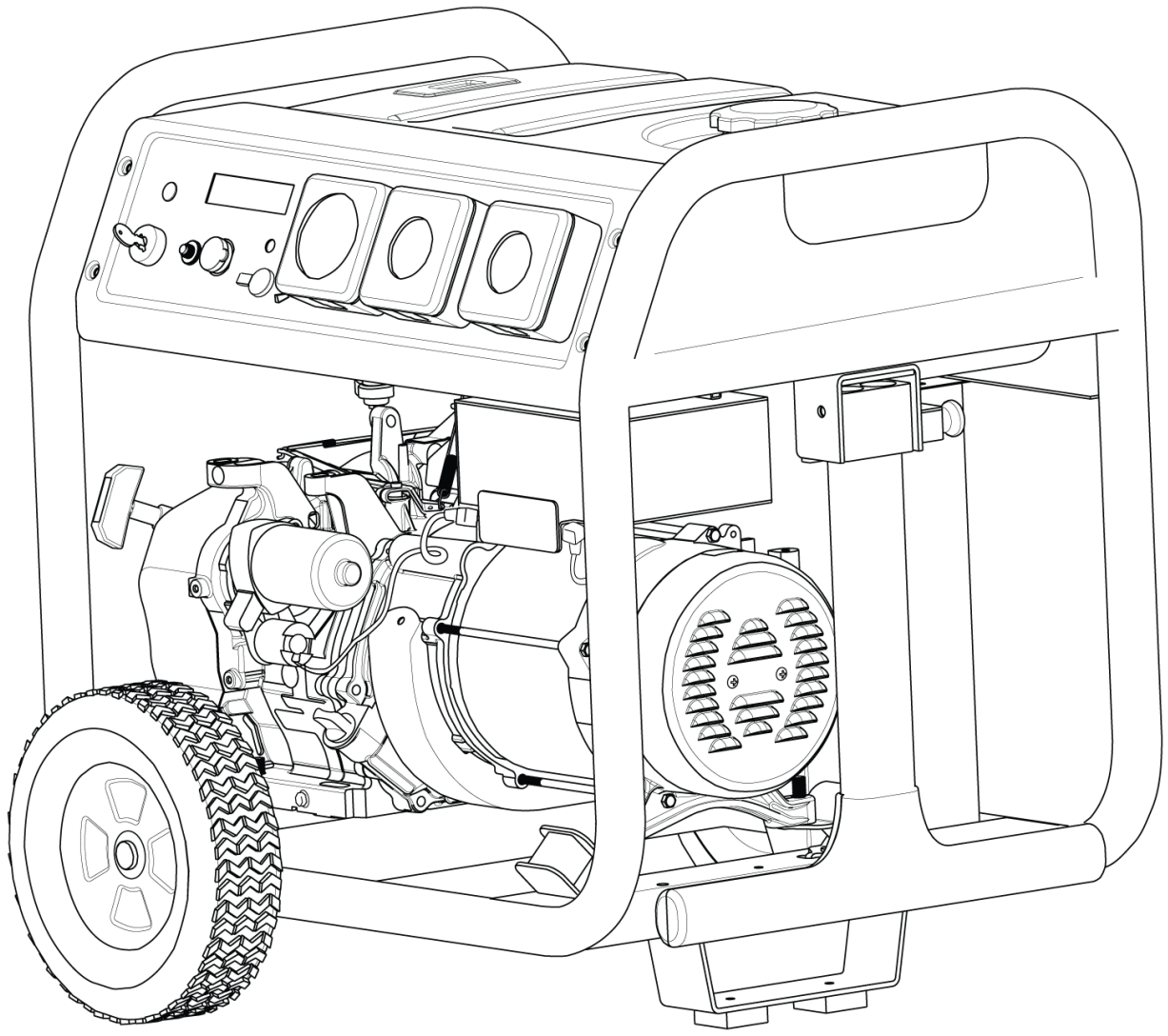
# Parts Manual

Mfg. No: 030620A-00

7,000 Watt, 50Hz Briggs & Stratton (Aus)



PROFESSIONAL QUALITY TOOLS

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17-Oct-2017

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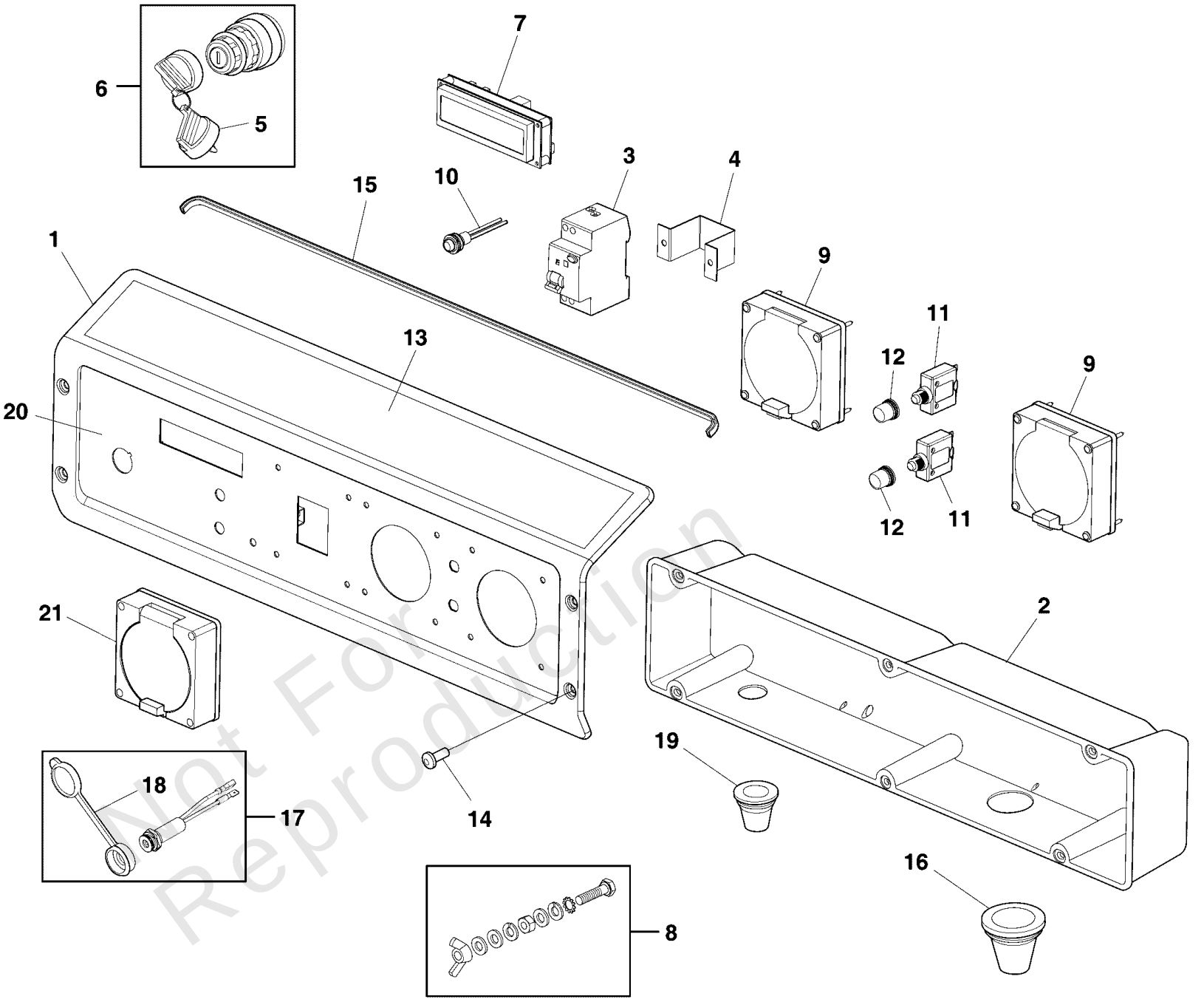
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# *Control Panel (80025240)*

Note: Unless noted otherwise, use the standard torque specifications

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## *Control Panel (80025240)*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 1 | 700293 | | PANEL-CONTROL |
| 2 | 319458GS | | BOX-CONTROL PANEL |
| 3 | 704458 | | BREAKER-CIRCUIT |
| 4 | 700295 | | BRACKET |
| 5 | 705436 | | KEY |
| 6 | 318307GS | | KEY-SWITCH IGNITION |
| 7 | 704457 | | POWER MONITOR |
| 8 | 700302 | | DECAL KIT |
| 9 | 700297 | | OUTLET, 50Hz |
| 10 | 319463GS | | BUTTON-SELECT |
| 11 | 75207DGS | | BREAKER, Circuit |
| 12 | 312636GS | | BOOT, Circuit Breaker |
| 13 | 700298 | | DECAL |
| 14 | 703804 | | SCREW |
| 15 | 319459GS | | TRIM-EDGE |
| 16 | 319529GS | | GROMMET |
| 17 | 704656 | | SOCKET-CHARGER |
| 18 | 312687GS | | BOOT-RUBBER JACK |
| 19 | 319530GS | | GROMMET |
| 20 | 700294 | | DECAL |
| 21 | 700299 | | COVER, RCBO |

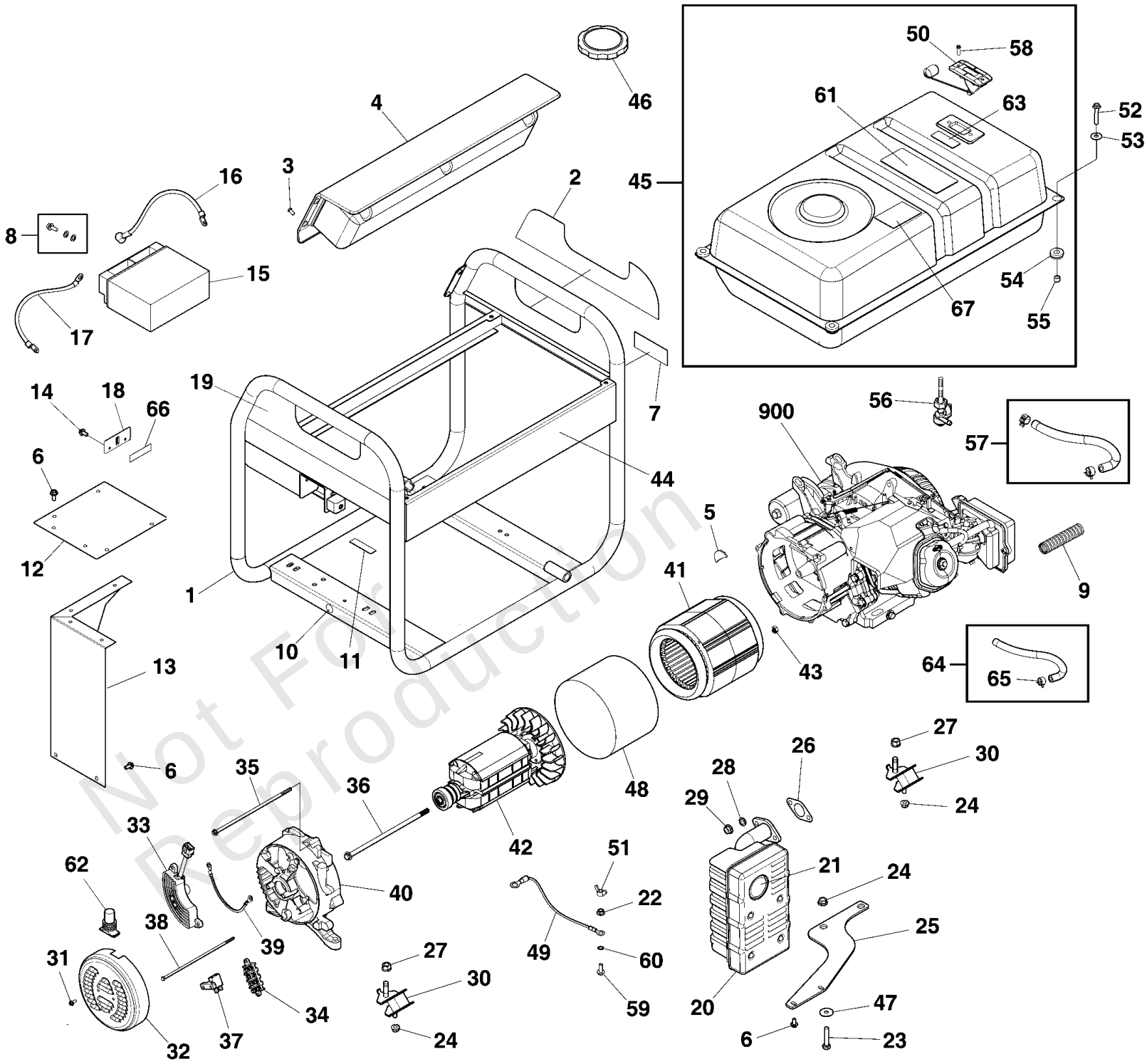
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# *Main Unit (80025239)*

Note: Unless noted otherwise, use the standard torque specifications

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## *Main Unit (80025239)*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 1 | 700303 | | CRADLE<br>-(Refer to Footnote *) |
| 2 | 700442 | | DECAL |
| 3 | 703804 | | SCREW |
| 4 | 700441 | | PANEL-CONTROL |
| 5 | 706376 | | COVER-RUBBER |
| 6 | 706152 | | SCREW, M6 x 12 |
| 7 | 704142 | | DECAL |
| 8 | 315546GS | | KIT, Hardware, Battery Terminal |
| 9 | 706534 | | BELLOWS |
| 10 | 704331 | | DECAL |
| 11 | 706535 | | PAD-RUBBER |
| 12 | 312020GS | | HEATSHIELD |
| 13 | 312019GS | | HEATSHIELD |
| 14 | 209775GS | | BOLT |
| 15 | 316435GS | | BATTERY |
| 16 | 312014GS | | CABLE-BATTRY, RED |
| 17 | 312026GS | | CABLE-BTTRY, BLACK |
| 18 | 311983GS | | PLATE-BATTERY |
| 19 | 700453 | | DECAL |
| 20 | 192569GS | | Muffler |
| 21 | 83083GS | | SCREEN, Spark Arrest |
| 22 | 52857GS | | NUT-M8 FLANGE |
| 23 | 57821GS | | CAPSCREW, Hex Head, M8-1.25 x 40 |
| 24 | 67989GS | | NUT, M8 Flange Serrated |
| 25 | 319457GS | | BRACKET, Muffler |
| 26 | 813085GS | | GASKET |
| 27 | 52859GS | | NUT, Lock |
| 28 | 22237GS | | WASHER, Locking, 3/8 |
| 29 | 45771GS | | NUT, M8 - 1.25 |
| 30 | 319451GS | | MOUNT-VIBRATION |
| 31 | 700308 | | SCREW |
| 32 | 312870GS | | COVER, Rear Bearing |
| 33 | 312871GS | | REGULATOR-VOLTAGE |
| 34 | 312921GS | | BLOCK, Junction |
| 35 | 703909 | | BOLT |
| 36 | 703910 | | BOLT |
| 37 | 312904GS | | BRUSH ASSEMBLY |
| 38 | 703908 | | BOLT |
| 39 | 706150 | | WIRE |
| 40 | 312866GS | | SUPPORT, Bearing |
| 41 | 700307 | | STATOR |
| 42 | 700336 | | ROTOR |
| 43 | 312916GS | | NUT |
| 44 | 700454 | | DECAL |
| 45 | 700306 | | TANK-FUEL |
| 46 | 704655 | | CAP-FUEL |
| 47 | B2495GS | | WSHR, 25.4 X 8.45 X 1.4 |

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**Footnotes:**

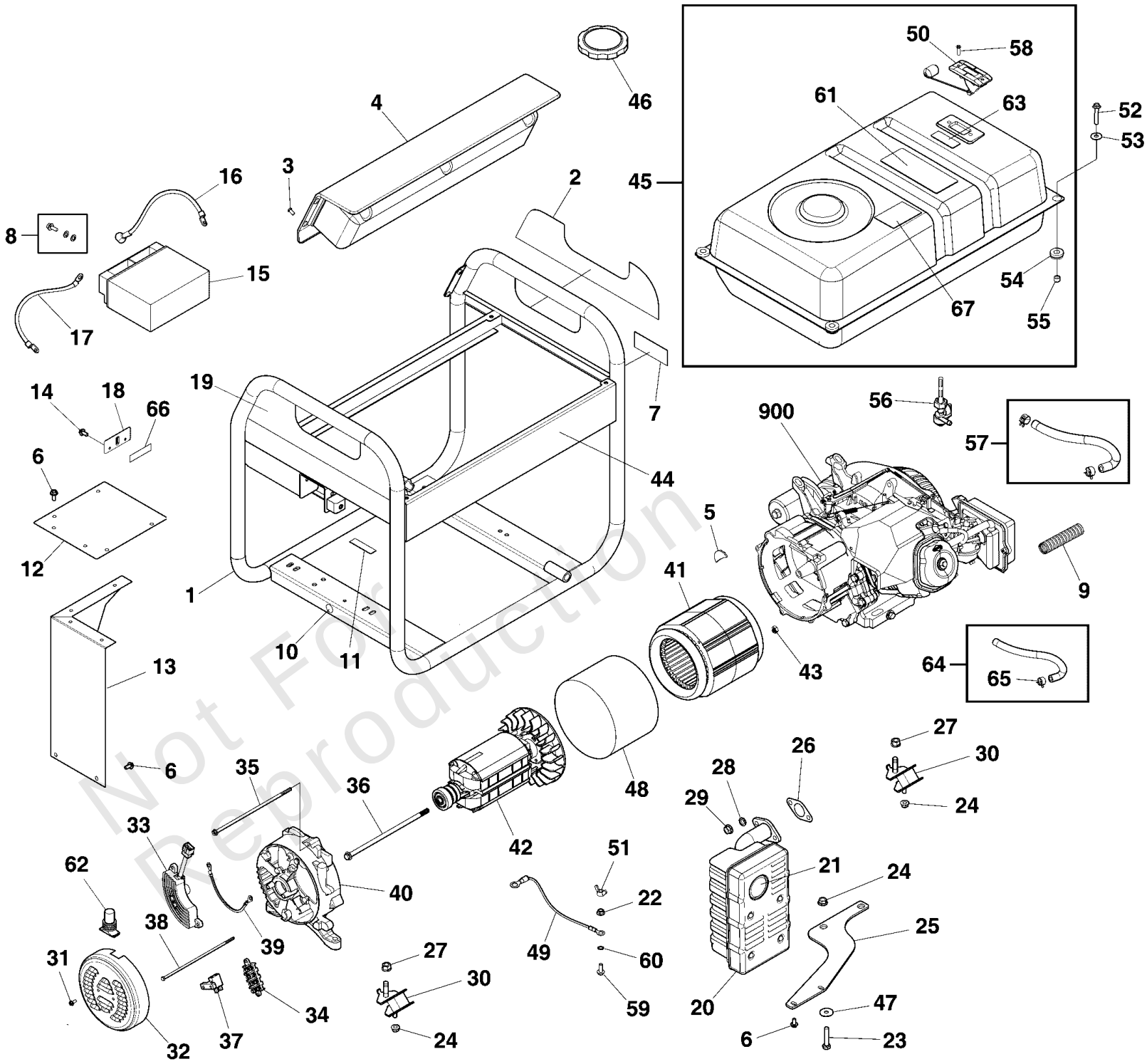
(Note: To verify your specific engine model, please reference the ID Tag located on your engine.) (Refer to your local Briggs & Stratton distributor for parts and service.)
(Includes Items 7, 10 & 44

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# *Main Unit (80025239)*

Note: Unless noted otherwise, use the standard torque specifications

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## *Main Unit (80025239)*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 48 | 703911 | | BAND-STATOR |
| 49 | 706165 | | WIRE |
| 50 | 704183 | | GAUGE-FUEL |
| 51 | 87680GS | | NUT, M6 - 1.0 Wing |
| 52 | 703805 | | SCREW |
| 53 | 312005GS | | WASHER |
| 54 | 189134GS | | GROMMET, Rubber |
| 55 | 189137GS | | SPACER |
| 56 | 209417GS | | VALVE, Fuel |
| 57 | 791745 | | Hose-Vacuum |
| 58 | 314440GS | | SCREW |
| 59 | 706166 | | SCREW |
| 60 | 26850GS | | WASHER |
| 61 | 700481 | | DECAL |
| 62 | 207879GS | | BOOT, Rubber |
| 63 | 703264 | | DECAL |
| 64 | 315017GS | | HOSE, Vapor (cut to fit) |
| 65 | 314955GS | | CLAMP |
| 66 | 706377 | | PAD-RUBBER |
| 67 | 704388 | | DECAL |
| 900 | 25T235-0332-H1 | | Engine<br>-(Refer To Footnote *) |
| -- | 316742GS | | FUSE<br>-(Part Not Illustrated) |
| -- | 705927 | | CHARGER, 120VAC, 12VDC Output, .75A, 2.5mm Round Plug<br>-(Part Not Illustrated) |

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**Footnotes:**

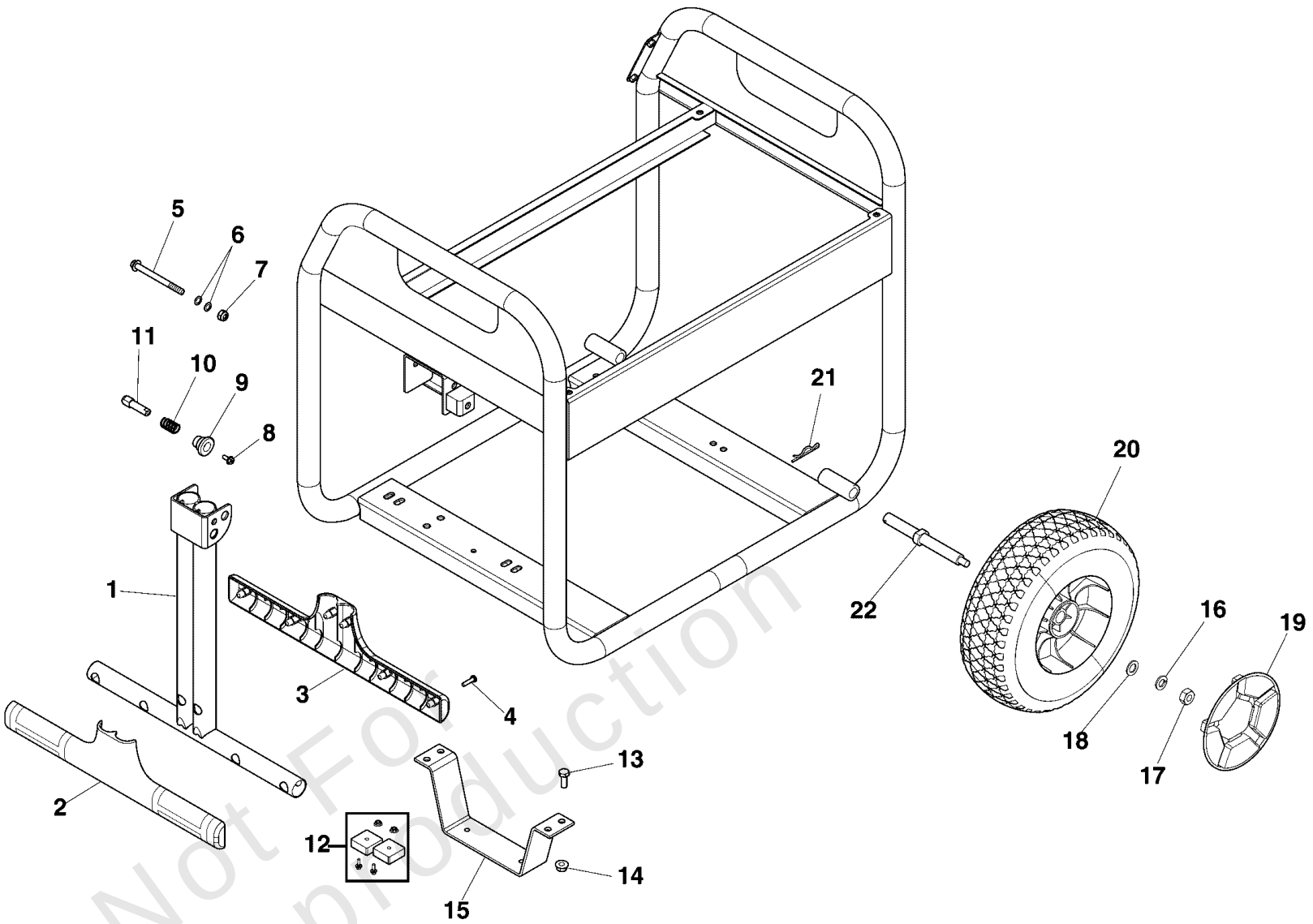
(Note: To verify your specific engine model, please reference the ID Tag located on your engine.) (Refer to your local Briggs & Stratton distributor for parts and service.)
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# *Wheel Kit (80025040)*

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## *Wheel Kit (80025040)*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| 1 | 319396GS | | HANDLE |
| 2 | 311998GS | | GRIP-HANDLE |
| 3 | 312000GS | | GRIP-HANDLE |
| 4 | 75477GS | | PPHMS, M5 - 0.8 x 20 |
| 5 | 318677GS | | BOLT |
| 6 | 96716 | | Nylon Step Washer |
| 7 | 49820GS | | NUT, Nylok, M8 - 1.25 |
| 8 | 207825GS | | BOLT-M5-6 x 16 |
| 9 | 319453GS | | KNOB |
| 10 | 319452GS | | SPRING |
| 11 | 319454GS | | PIN |
| 12 | 319285GS | | MOUNT-VIBRATION |
| 13 | 67989 | | NUT, M8 Flange Locking Hex M8 - 1.25 Serrated |
| 14 | | | BOLT-M8 x 16 |
| 15 | 707688 | | SUPPORT-LEG |
| 16 | 46526GS | | WSHR, M10, LOCK |
| 17 | 45772GS | | NUT, M10-1.5 |
| 18 | 94856GS | | WASHER-M10 FLAT |
| 19 | 312022GS | | HUBCAP |
| 20 | 312021GS | | WHEEL |
| 21 | 316510GS | | PIN-HAIR |
| 22 | 312023GS | | AXLE |

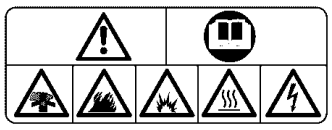
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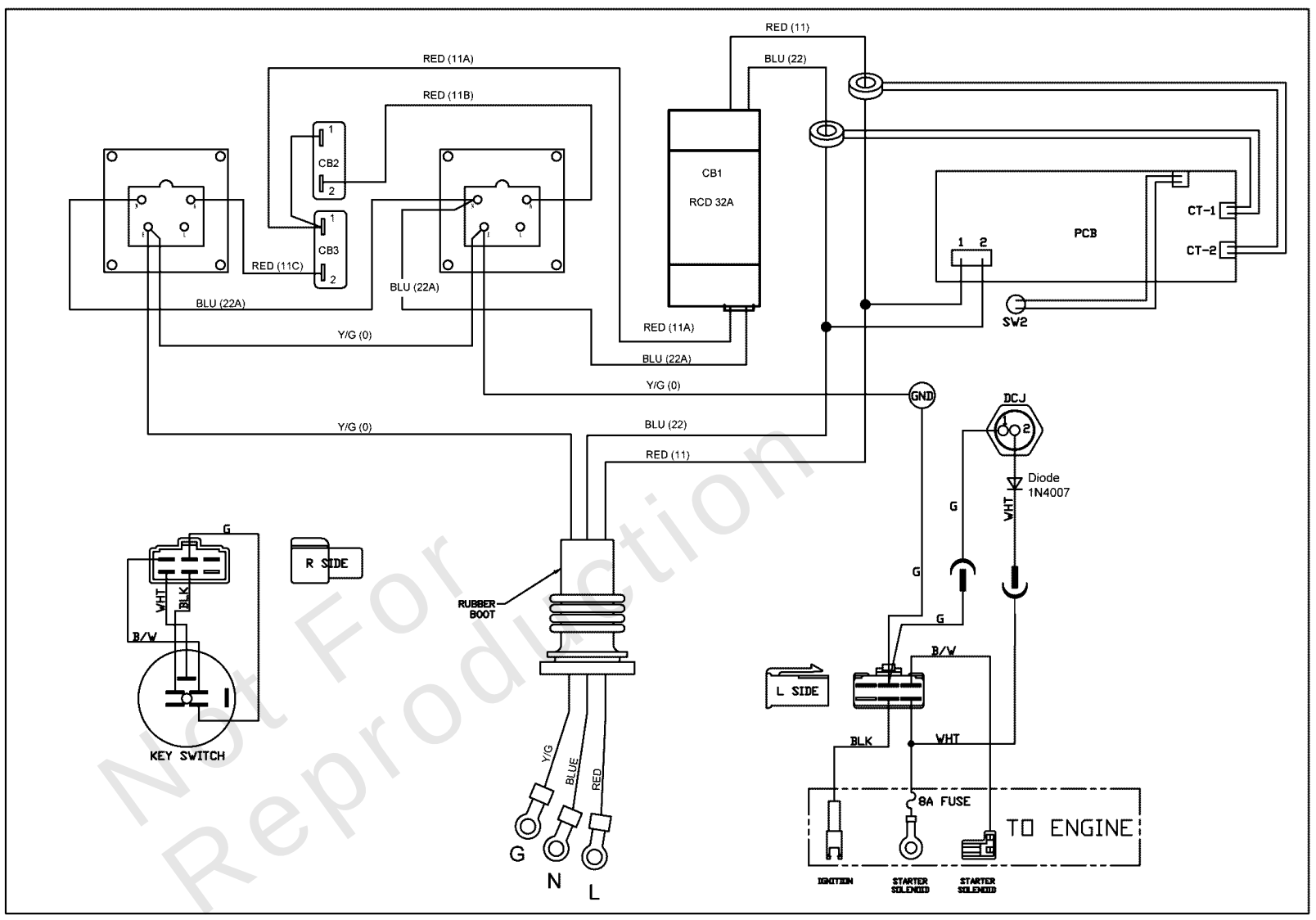
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# *Wiring Diagram (80025238WD)*

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 030620A-00






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| | | |
|---|---|---|
| | | 红色 |
| | | 黑色 |
| | | 白色 |
| G/Y | | 绿/黄色 |
| B/W | BLACK/WHITE | 黑/白色 |
| G | | 绿色 |

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## *Wiring Diagram (80025238WD)*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| -- | | | Wiring Diagram Only |

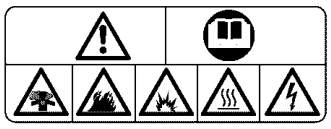
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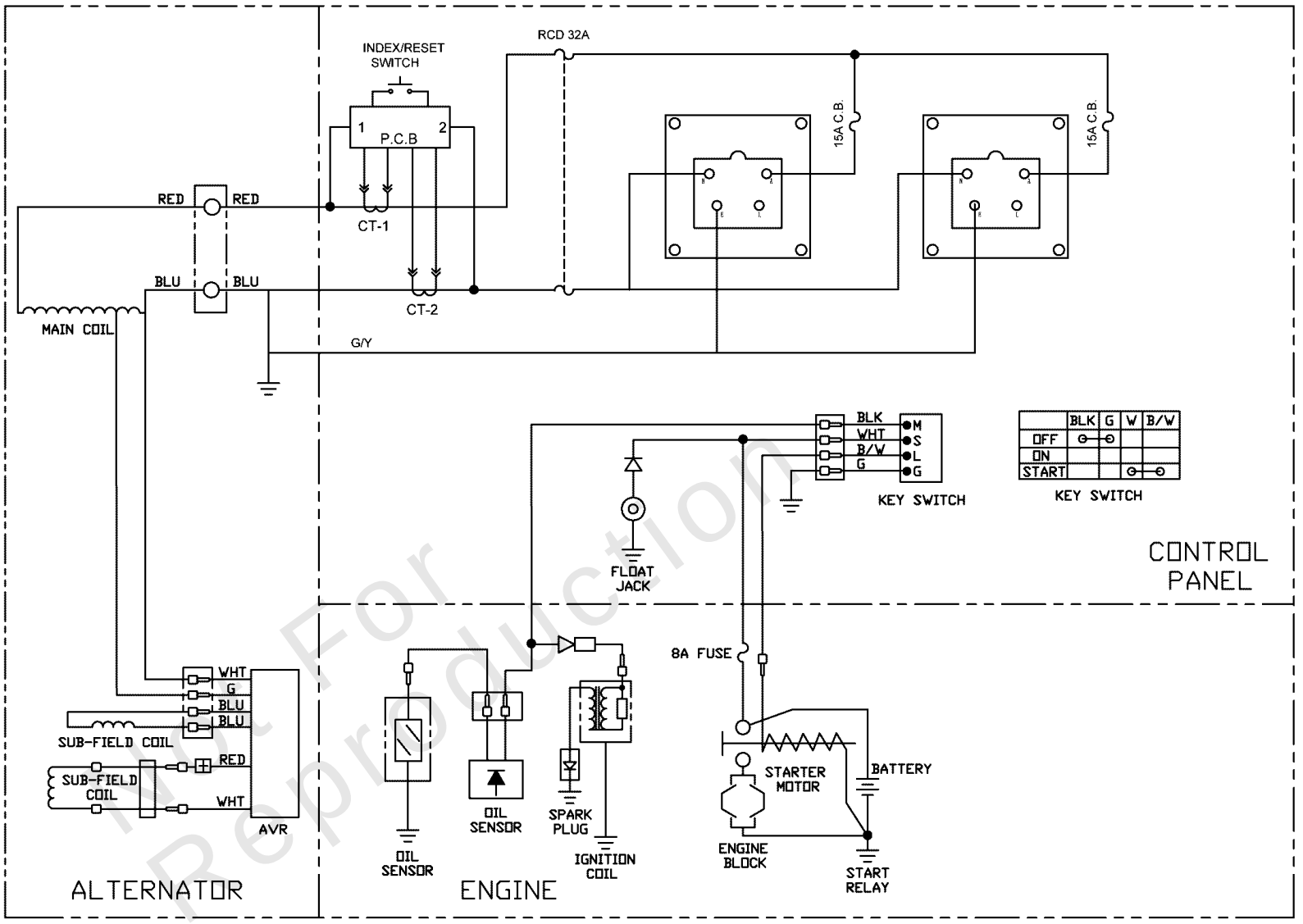
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# *Wiring Diagram (80025238WS)*

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 030620A-00






| | | |
|---|---|---|
| | | 红色 |
| | | 黑色 |
| | | 白色 |
| G/Y | | 绿/黄色 |
| B/W | BLACK/WHITE | 黑/白色 |
| G | | 绿色 |

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## *Wiring Diagram (80025238WS)*

| REF NO | PART NO | QTY | DESCRIPTION |
|---|---|---|---|
| -- | | | Wiring Diagram Only |

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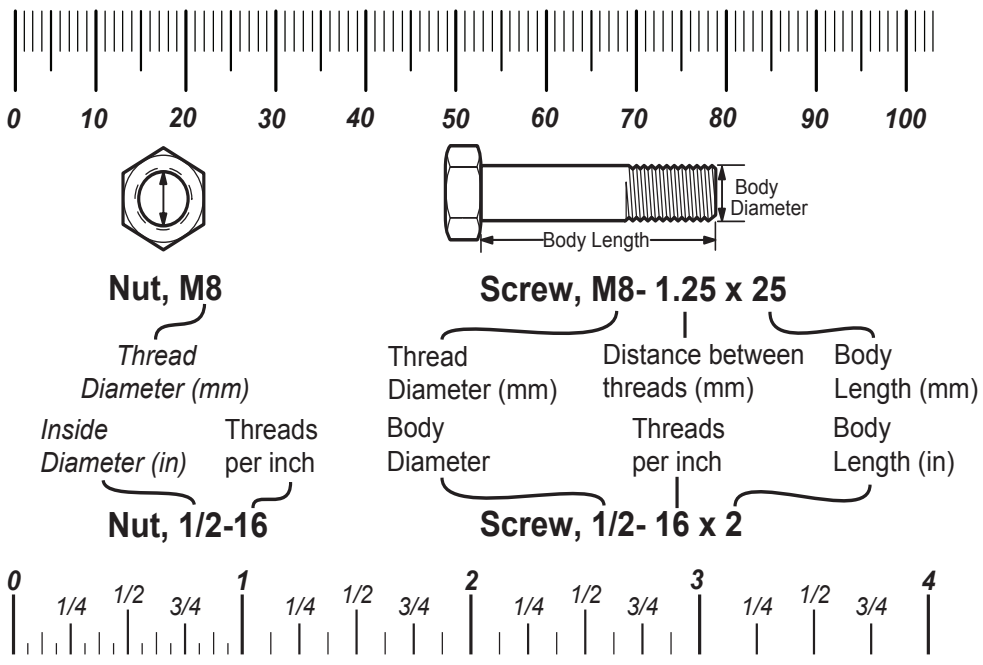
# Hardware Identification & Torque Specifications

## 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

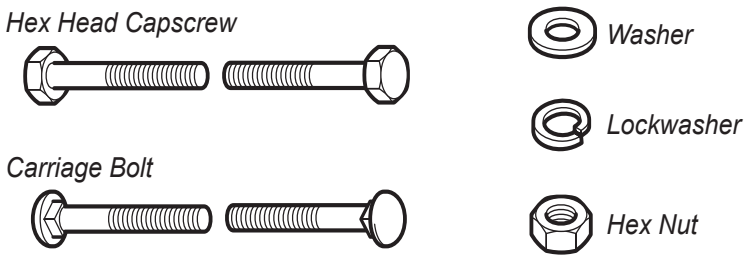
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)

| 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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