



Parts Manual

Mfg. No: 030640-00
5,500 Watt Briggs & Stratton

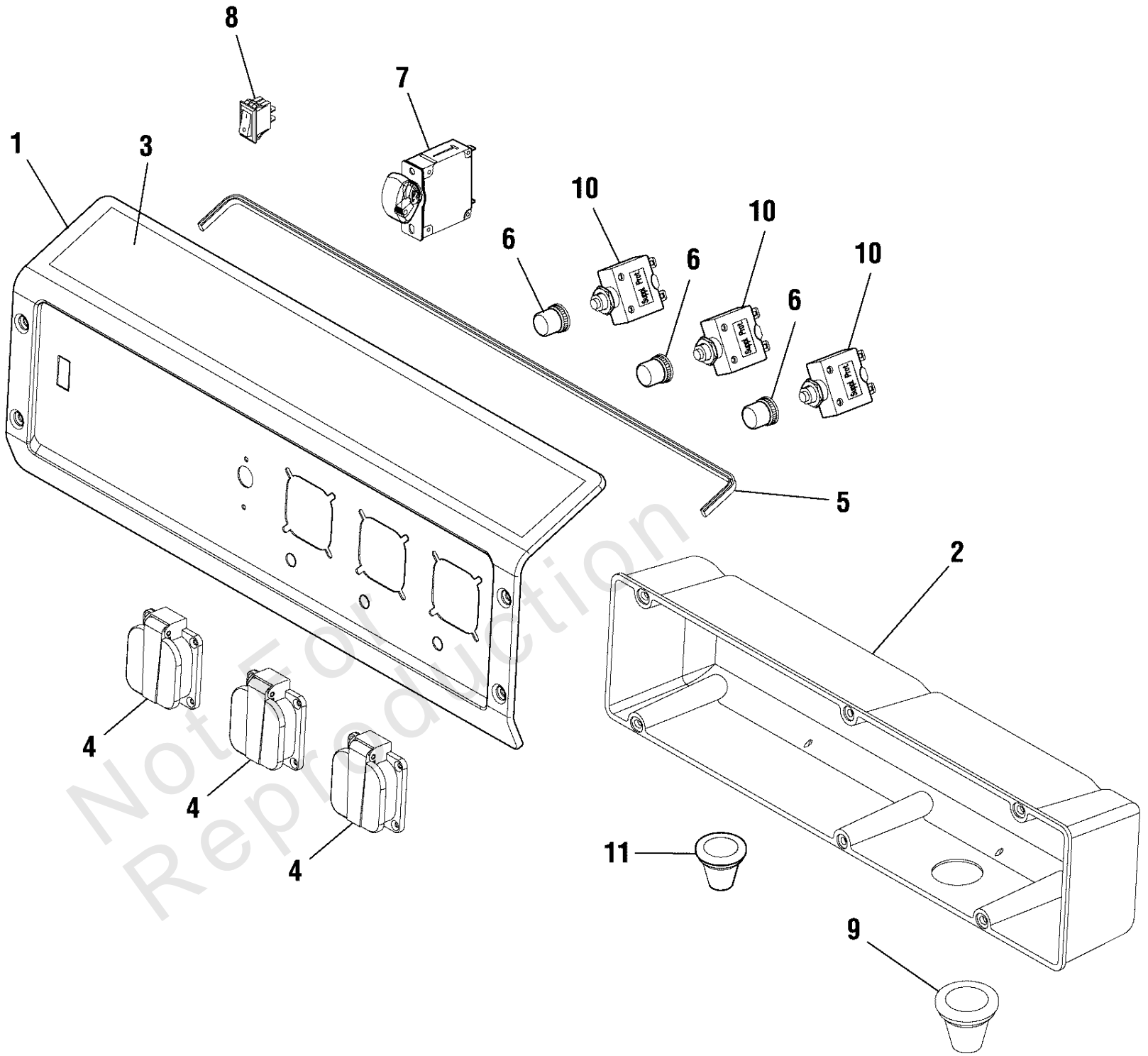
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Control Panel (80011032)

Note: Unless noted otherwise, use the standard torque specifications

Mfg. No: 030640-00



Control Panel (80011032)

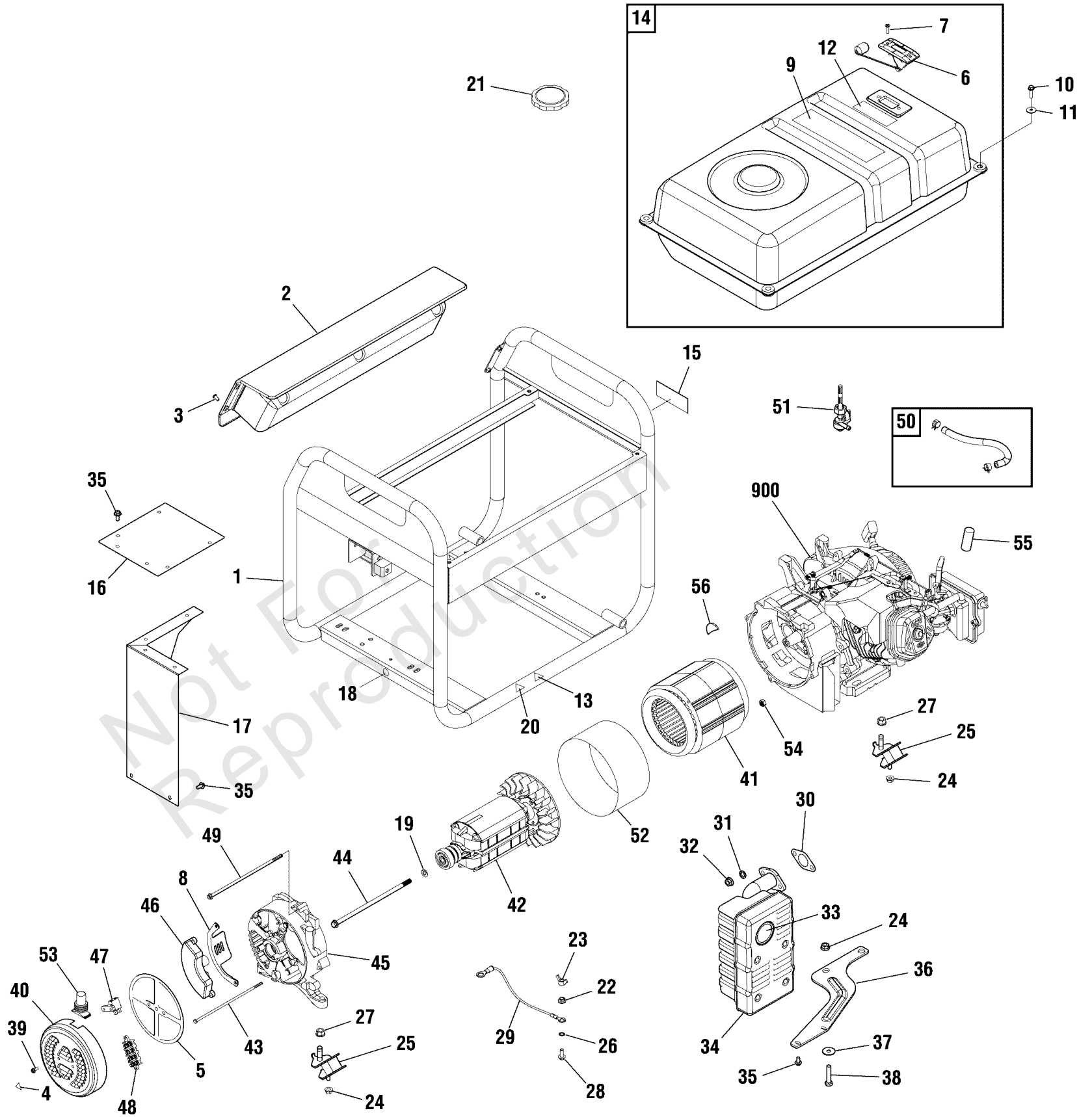
REF NO	PART NO	QTY	DESCRIPTION
1	706479		PANEL-CONTROL
2	319458GS		BOX-CONTROL PANEL
3	704332		DECAL
4	706409		SOCKET
5	319459GS		TRIM-EDGE
6	312636GS		BOOT-CIRCUIT BREAKER
7	706478		BREAKER-CIRCUIT
8	319525GS		SWITCH-ON/OFF
9	319529GS		GROMMET
10	706404		BREAKER-CIRCUIT
11	319530GS		GROMMET

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Main Unit (80011031)

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Main Unit (80011031)

REF NO	PART NO	QTY	DESCRIPTION
1	706476		CRADLE
2	706443		PANEL-CONTROL
3	703804		SCREW
4	315636GS		DECAL
5	706398		GUARD-SCREEN
6	704183		GAUGE-FUEL
7	314440GS		SCREW
8	706397		SHIELD
9	315637GS		DECAL
10	703805		SCREW
11	312005GS		WASHER
12	703264		DECAL
13	315635GS		DECAL
14	706442		TANK-FUEL
15	704330		DECAL
16	319456GS		HEATSHIELD
17	319455GS		HEATSHIELD
18	704331		DECAL
19	207826GS		WASHER
20	315634GS		DECAL
21	704655		CAP-FUEL
22	-----		* NUT, Flange Lock, M6
23	87680GS		NUT
24	-----		* NUT, Flange Lock, M8
25	319451GS		MOUNT-VIBRATION
26	-----		* WASHER, Shakeproof, EXT, M6
27	-----		* NUT, Flange Lock, M10
28	-----		* SCREW, Flange, M6 x 16
29	706165		WIRE
30	813085GS		GASKET
31	-----		* WASHER, Lock, M8
32	-----		* NUT, Hex, M8 1.25
33	83083GS		SCREEN
34	192569GS		MUFFLER
35	706152		BOLT
36	319457GS		BRACKET-MUFFLER
37	-----		* WASHER, Flat, M8
38	57821GS		HHCS-M8-1.25 x 40
39	207824GS		SCREW
40	313364GS		END COVER
41	706439		STATOR
42	706440		ROTOR
43	312640GS		BOLT
44	704235		BOLT
45	207838GS		CARRIER-BEARING
46	706394		VOLTAGE REGULATOR
47	207827GS		BRUSH ASSY
48	316945GS		TERMINAL BLOCK

Footnotes:

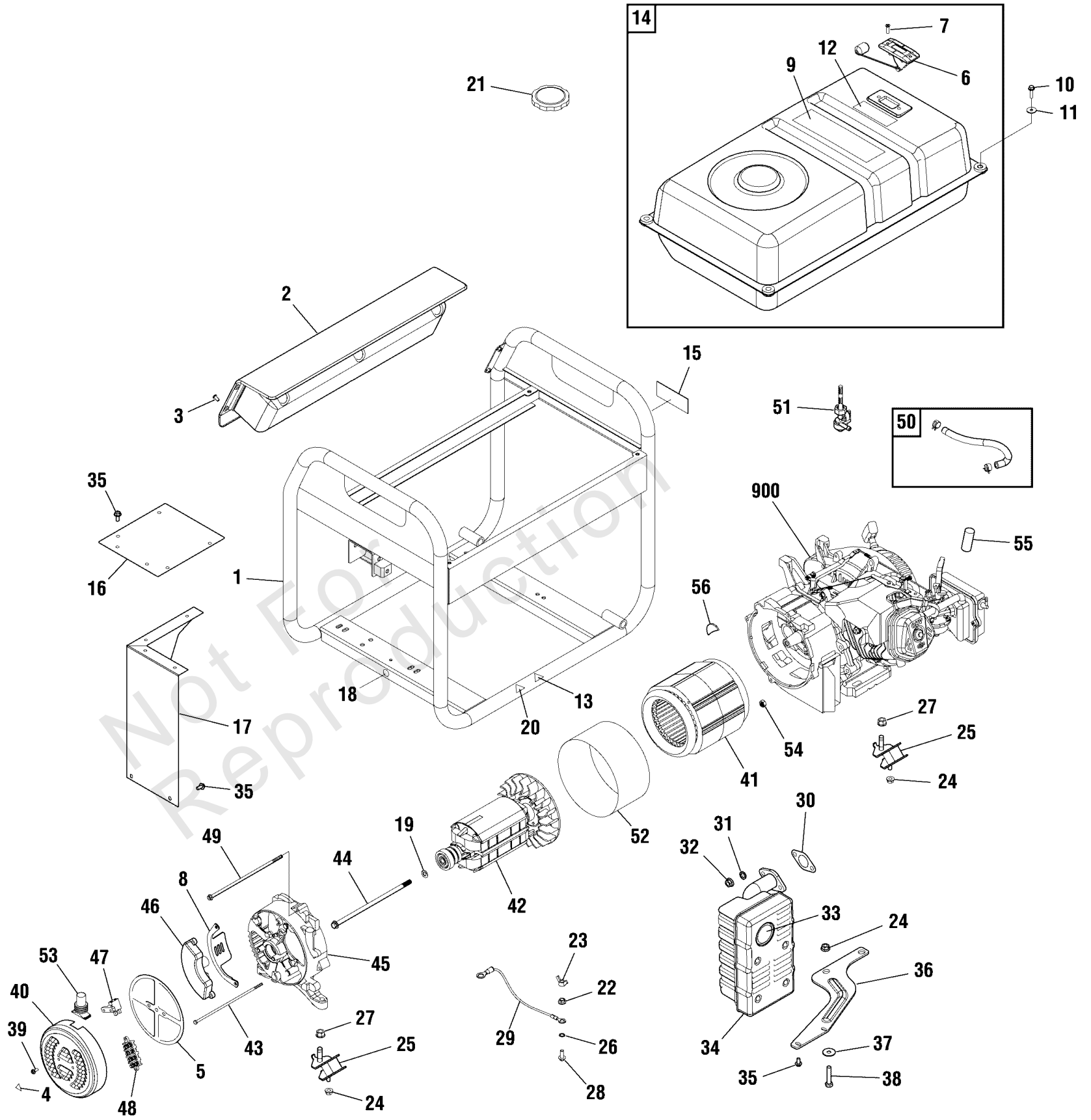
** Contact Engine Manufacturer for parts & service.

* Items without part numbers are common fasteners, available at local hardware stores.

Main Unit (80011031)

Note: Unless noted otherwise, use the standard torque specifications

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Main Unit (80011031)

REF NO	PART NO	QTY	DESCRIPTION
49	312638GS		BOLT
50	791745		LINE, Fuel
51	209417GS		VALVE-FUEL
52	706168		BOND
53	207879GS		BOOT
54	207878GS		NUT
55	706441		CAP
56	706376		COVER-RUBBER
900	-----		** ENGINE
--	316768GS		OIL BOTTLE (Qty 2 Required) -(Not Illustrated)

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Footnotes:

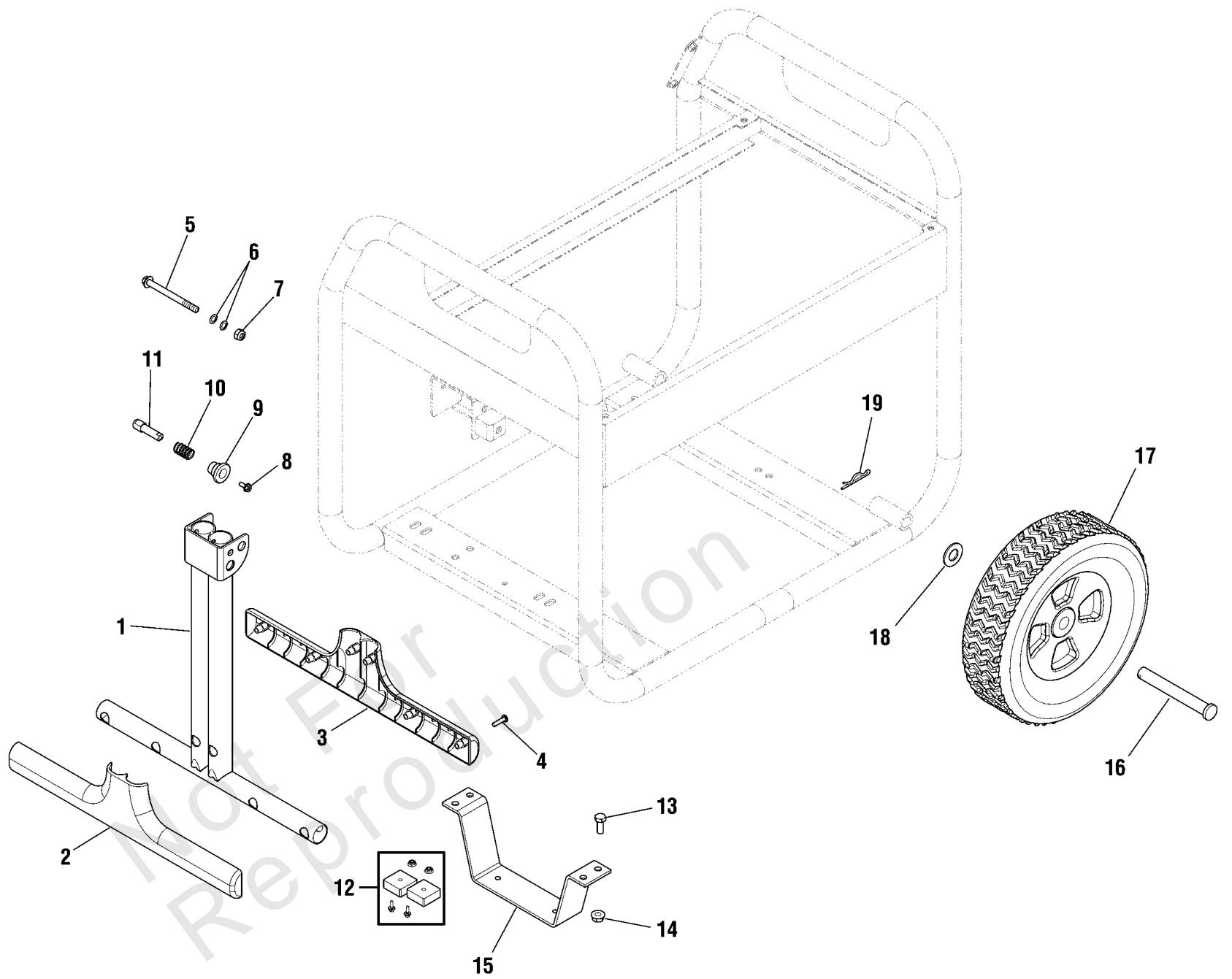
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Wheel Group (80011036)

Note: Unless noted otherwise, use the standard torque specifications

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Wheel Group (80011036)

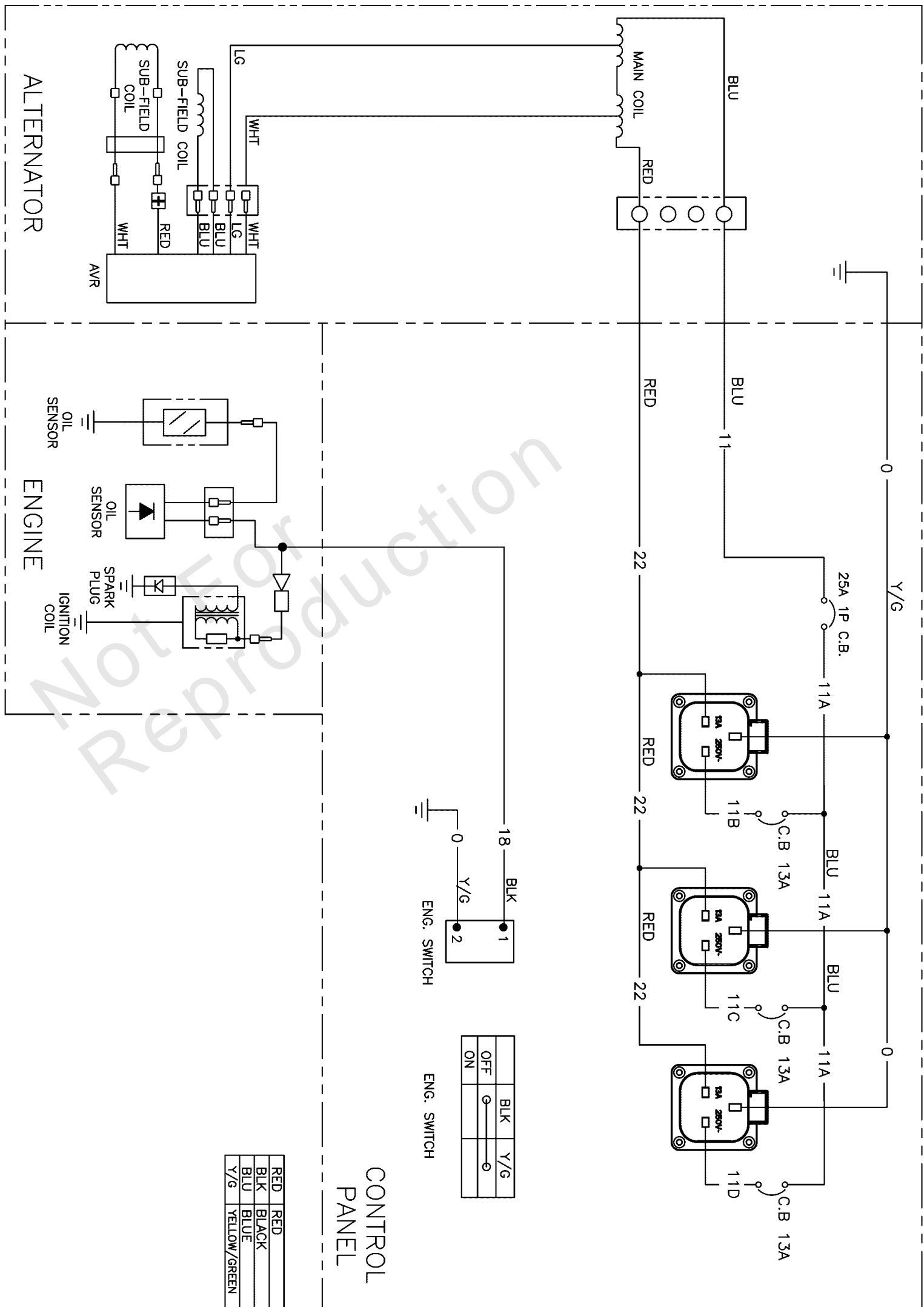
REF NO	PART NO	QTY	DESCRIPTION
1	706477		HANDLE
2	319360GS		GRIP-HANDLE
3	319361GS		GRIP-HANDLE
4	75477GS		SCREW
5	312974GS		BOLT
6	187104GS		WASHER
7	49820GS		NUT
8	207825GS		BOLT
9	319453GS		KNOB
10	319452GS		SPRING
11	319454GS		PIN
12	319285GS		MOUNT-VIBRATION
13	706348		BOLT
14	67989GS		NUT
15	704198		SUPPORT-LEG
16	703813		AXLE
17	704145		WHEEL
18	22247GS		WASHER
19	316510GS		PIN-HAIR

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Wiring Diagram (80011030)

Note: Unless noted otherwise, use the standard torque specifications

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Wiring Diagram (80011030)

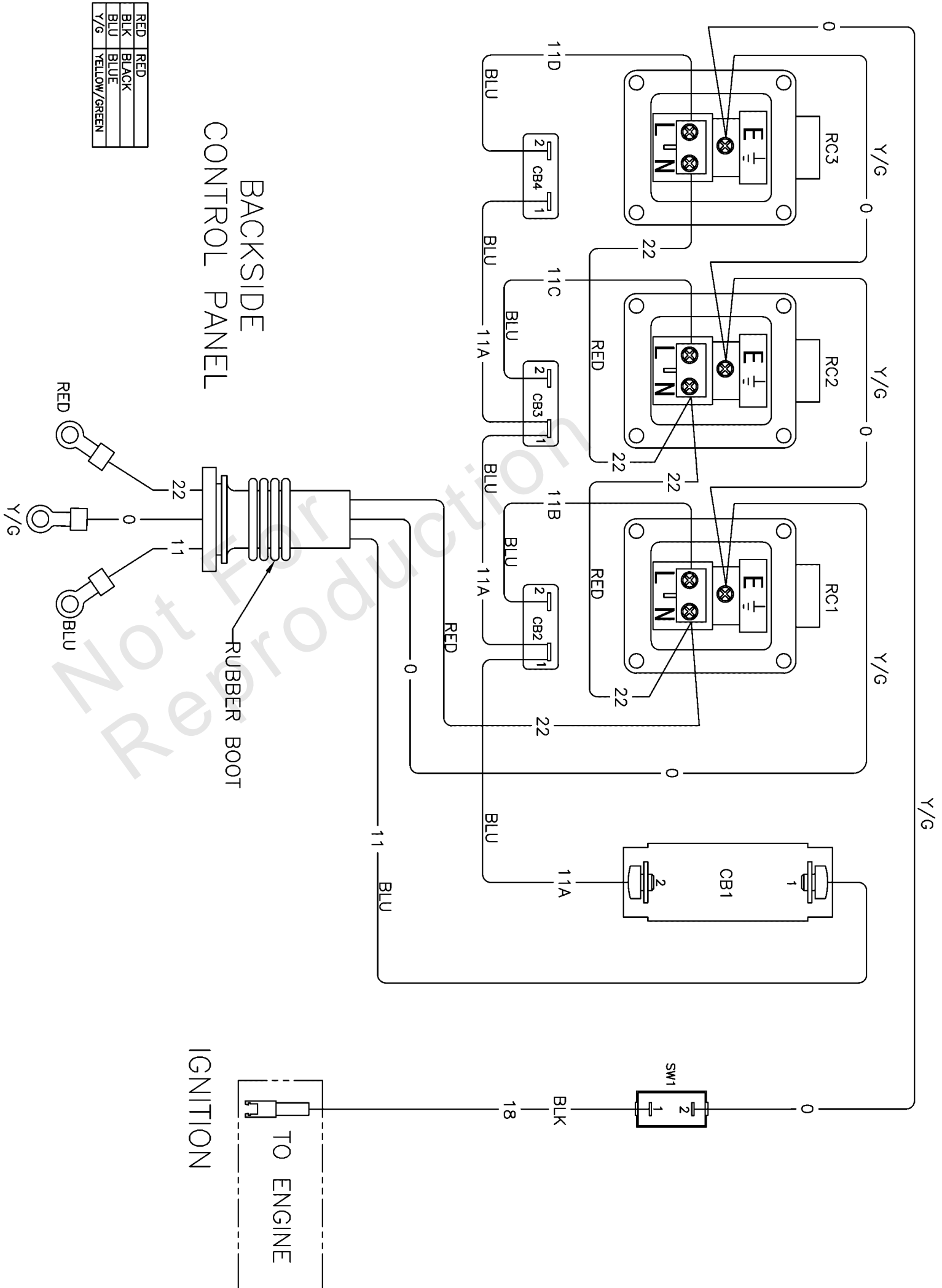
REF NO	PART NO	QTY	DESCRIPTION
--	-----		Wiring Diagram Only
--	-----		WARNING - Generator Voltage Could Cause Electrical Shock or Burn Resulting in Death Or Serious Injury. To Avoid Electrical Shock Or Burn Hazard, Please Refer Service To Qualified Personnel.

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Wiring Schematic (80011030)

Note: Unless noted otherwise, use the standard torque specifications

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Wiring Schematic (80011030)

REF NO	PART NO	QTY	DESCRIPTION
--	-----		Wiring Schematic Only
--	-----		WARNING - Generator Voltage Could Cause Electrical Shock or Burn Resulting in Death Or Serious Injury. To Avoid Electrical Shock Or Burn Hazard, Please Refer Service To Qualified Personnel.

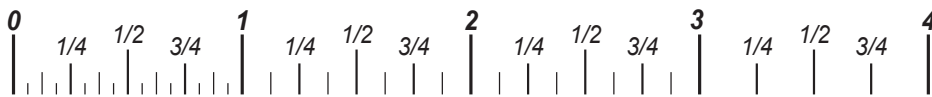
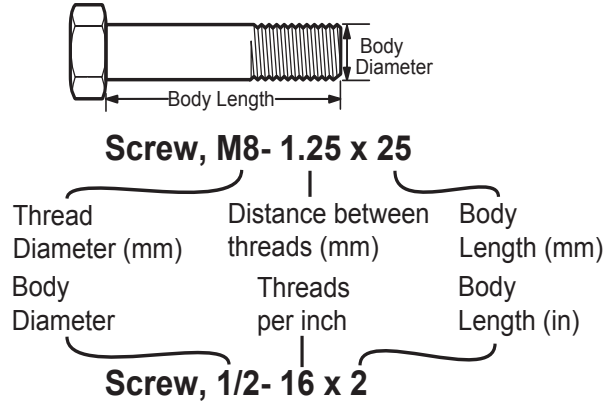
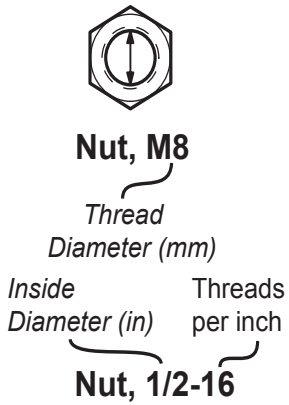
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Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance ± 20%)								
Property Class	5.6		8.8		10.9		12.9	
	Class 5.6		Class 8.8		Class 10.9		Class 12.9	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs		ft/lbs	
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

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance ± 20%)						
Hardware Grade	No Marks		SAE Grade 5		SAE Grade 8	
	SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs	Nm.	in/lbs	Nm.	in/lbs	Nm.
	ft/lbs		ft/lbs		ft/lbs	
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

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



Standard Hardware Sizing

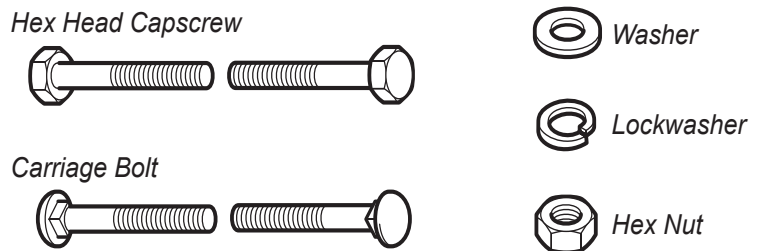
When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

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).

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



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—22mm

