



Parts Manual

Mfg. No: 030235-2
5,500 Watt Briggs & Stratton

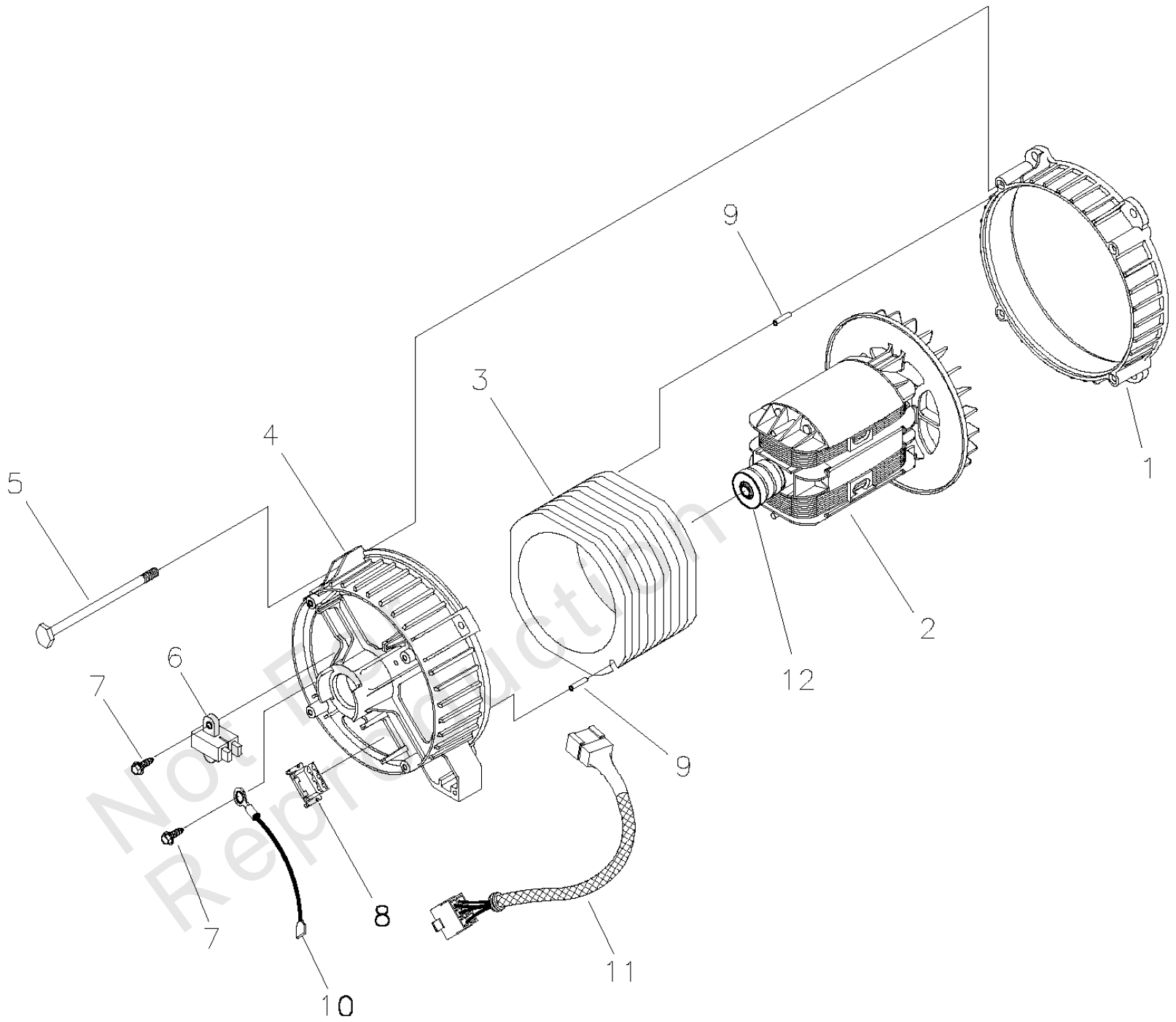
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Not For
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Alternator (197102)

Note: Unless noted otherwise, use the standard torque specifications

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Alternator (197102)

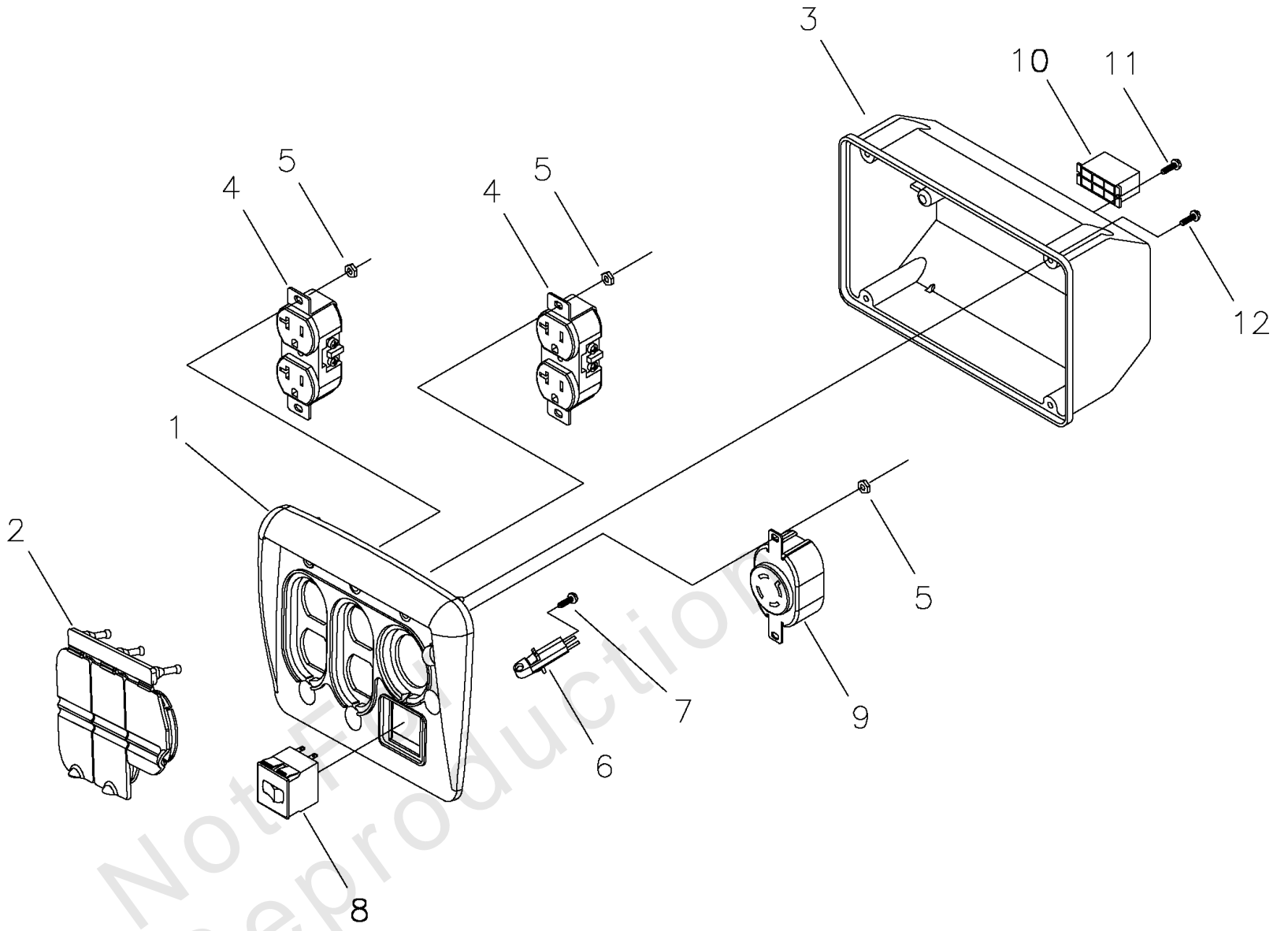
REF NO	PART NO	QTY	DESCRIPTION
1	186059GS		ADAPTER, Mounting,Alternator
2	191043GS		ROTOR
3	191042AGS		STATOR
4	186060GS		RBC, with O-Ring (p/n 189197GS)
5	86308CGS		HHCS, M6 - 1.0 x 130 SEMS
6	91825GS		ASSY, Holder, Rectifier/Brush
7	66849GS		TAPTITE, M5 - 0.8 x 16
8	22694GS		RECEPTACLE, 6 pin
9	81917GS		PIN, Roll, 4mm x 10
10	193428AGS		ASSY,Wire, Ground
11	194274GS		HARNESS,Wire, Power
12	65791GS		BEARING
--	189197GS		O-Ring

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Control Panel (197642)

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Control Panel (197642)

REF NO	PART NO	QTY	DESCRIPTION
1	197471GS		PANEL, Control
2	197472GS		COVER, Outlet Flip
3	188890GS		COVER, Back Panel
4	197731GS		OUTLET, 120V, 15/20A Duplex
5	189165GS		NUT, 5/32 Pal
6	197729GS		MODULE, Led
7	197958GS		SCREW, 3 x 6, Tapping
8	191479DGS		BREAKER, Circuit, 20A
--	191481GS		BOOT, Breaker Circuit -(not shown)
9	43437GS		OUTLET, 120/240V, 30A
10	22694GS		HOUSING, Receptacle, 6 Pin
11	82308GS		SCREW, 3 x 18, Tapping
12	192241GS		SCREW, 3.5 x 14, Tapping

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Main Unit (197441)

REF NO	PART NO	QTY	DESCRIPTION
1	198163GS		Assy., Cradle -(Includes #20 & 31)
2	194150GS		Kit, Vibration, Mount, 45°
3	67989GS		Nut, M8 Flange Serrated
4	190220GS		Housing, Engine Adapter
5	~NSP		Assy., Alternator -See Alternator
6	-		Nut, Hex M8 - 1.25 -(Purchase locally)
7	195398GS		TPHMS, M8 - 1.25 x 35
8	96796GS		Washer, M8 Flat
9	-		Washer, Lock 5/16 - M8 -(Purchase locally)
10	-		SBHCS, 3/8-16 x 1.0 -(Purchase locally)
11	47480GS		HHCS, 5/16-24 x 7
12	-		HHCS, M8 - 1.25 x 25 -(Purchase locally)
13	198165GS		Kit, Handle
14	189009GS		Bracket, Muffler
15	695398		GASKET, Exhaust
16	-		HHCS, M6 - 1.0 x 12 w/LW -(Purchase locally)
17	189008GS		Muffler
18	201522GS		SHCS, 5/16 - 18 x 7/8"
19	83083GS		Screen, Spark Arrest
20	B4986GS		Decal, Ground, Green
21	194153GS		Kit, Vibration Mount
22	86494GS		Screw, Wing M6 - 1.0 x 16
23	B2153GS		Screw, 12 - 14 x 7/8, Self Drill
24	197424GS		Shield, Heat
25	191190GS		Cap
26	74908GS		Screw, M5-0.8 x 10, Taptite
31	196830GS		Decal, Exhaust Warning
34	195422GS		Cover, RBC, Plastic w/Cap
35	791745		Kit, Fuel Hose, w/Clamps -(Cut To Fit)
37	56893GS		Crimptite, 10-24 x 1/2
40	199433GS		Kit, Fuel Tank Hardware w/U-Clips
	199284GS		U-Clips -(Optional Accessory)
41	192980GS		Kit, Valve, Fuel Tank
44	193668GS		Assy., Tank, Fuel -(Includes #41, 50, 51, 52, 53 & 55)
45	B4363GS		Cap, Fuel Gauge
48	195373GS		Wire, Ground
50	188333GS		Decal, Gas Fill
51	194799GS		Decal, Danger
52	189235GS		Decal, Start Instructions
53	202997GS		Decal, Warning, CO
55	197798GS		Decal, Shut-Off, Fuel
58	197641GS		Assy., Control Panel
59	-		Nut, Palnut, 3/16" -(Purchase locally)

Main Unit (197441)

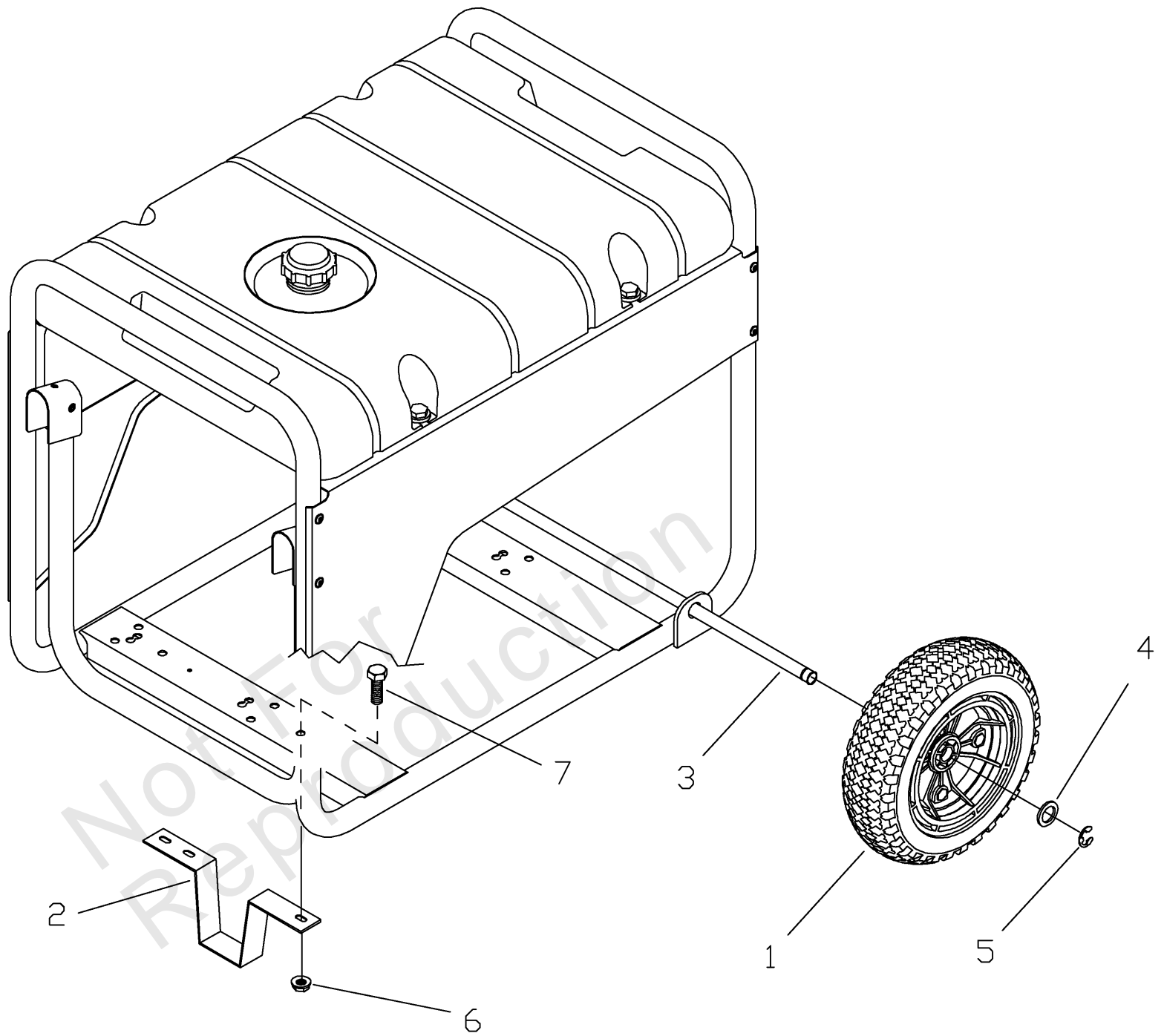
REF NO	PART NO	QTY	DESCRIPTION
900	-		Engine -Contact Engine Manufacturer
	200907GS		Manual, Operator's -Parts Not Illustrated
	BB3061GS		Bottle, Oil -Parts Not Illustrated
	197474GS		Cordset, Storm -Parts Not Illustrated
	198166GS		Kit, Decals -Parts Not Illustrated

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Wheel Kit (197317)

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Wheel Kit (197317)

REF NO	PART NO	QTY	DESCRIPTION
1	196517GS		Wheel
2	B1764GS		Support, Wheel Kit
3	191267HGS		Axle
4	-		Washer, 5/8" -(Purchase locally)
5	191265GS		E-Ring
6	67989GS		Nut, M8 - Flange Serrated
7	-		HHCS, M8 - 1.25 x 16 -(Purchase locally)
--	197594GS		Subkit, Hardware -Parts Not Illustrated

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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.



Nut, M8

Thread Diameter (mm)

Inside Diameter (in) Threads per inch

Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm) Distance between threads (mm) Body Length (mm)

Body Diameter Threads per inch 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*, (*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

Hex Head Capscrew



Washer



Carriage Bolt



Hex Nut

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

