



Illustrated Parts List Portable Generator



This generator is rated in accordance with CSA (Canadian Standards Association) standard C22.2 No. 100-94 (motor and generators).

Questions? Help is just a moment away!

Preguntas? La ayuda es justa un momento lejos!

Call: Portable Generator Helpline

Llame: Línea Directa del Generador portátil - 1-800-732-2989 M-F 8-5 CST

Model / Modelo

Mfg. No.	Description / Descripción
030526-00	1600 Watt Briggs & Stratton Inverter Generator
030526-01	1600 Watt Briggs & Stratton Inverter Generator

Manual Part No. 315944

Revision B

Rev. Date: 9/26/2013

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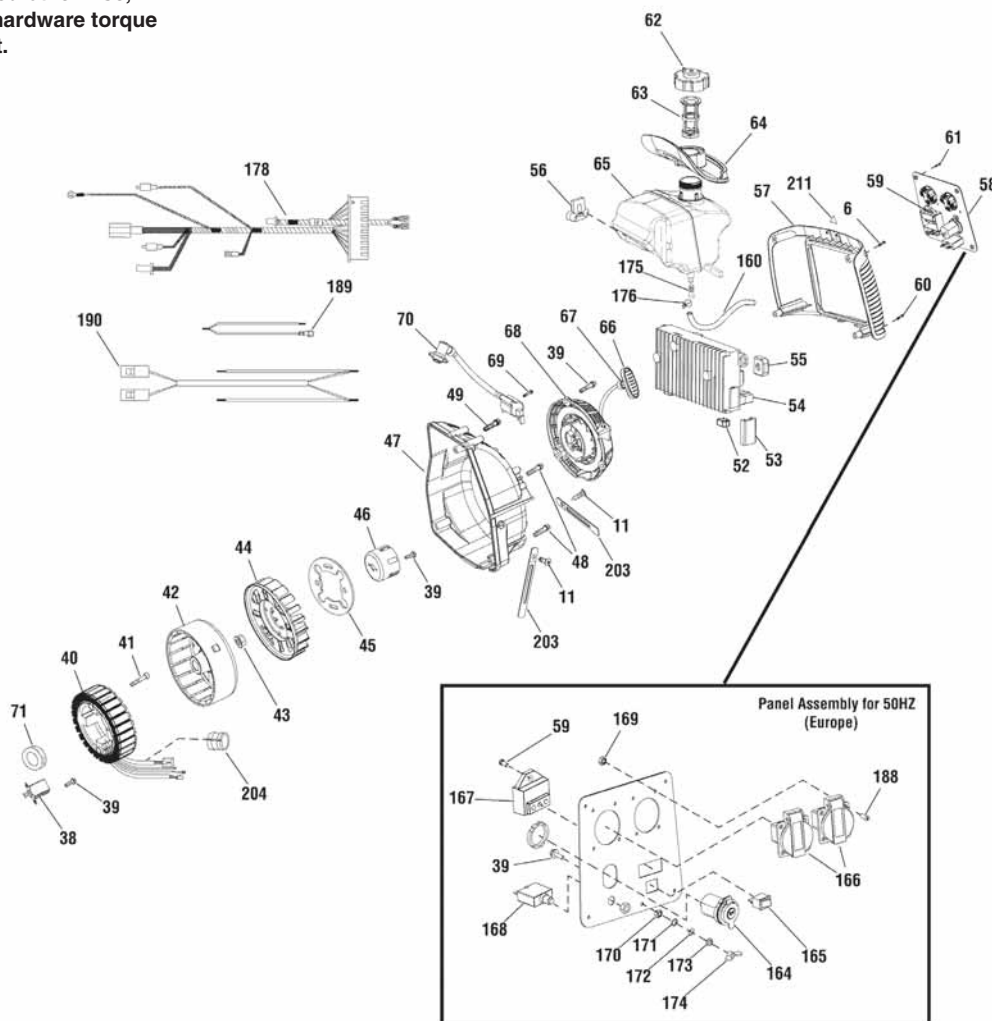
PRODUCT COMPONENTS	PAGES
Alternator & Control Panel	4
Enclosure	6
Engine	9
Torque Specification Chart	Inside Back Cover

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Alternator & Control Panel

315811alt

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



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
6	311379GS	SCREW	55	----	* MOUNT, Vibration
11	----	* BOLT	56	----	* MOUNT, Vibration
38	311399GS	TRIGGER, Ignition	57	314529GS	COVER, Panel
39	311400GS	SCREW	58	315822GS	PANEL, Control
40	314525GS	STATOR	59	----	* SCREW
41	311402GS	SCREW	60	----	* SCREW
42	314526GS	ROTOR	61	----	* SCREW
43	311404GS	NUT	62	311411GS	CAP, Fuel
44	314701GS	FAN	63	311412GS	FILTER, Filler Neck
45	----	* TERMINAL	64	----	* PAD, Fuel Tank
46	311406GS	CUP, Flywheel	65	311413GS	TANK, Fuel
47	----	* COVER, Fan	66	311414GS	INSERT, Grip
48	----	* BOLT	67	----	* GRIP
49	----	* BOLT	68	311415GS	STARTER, Rewind
52	----	* MOUNT, Vibration			
53	----	* MOUNT, Vibration			
54	314528GS	INVERTER			

Footnotes

* Not a serviceable part.

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

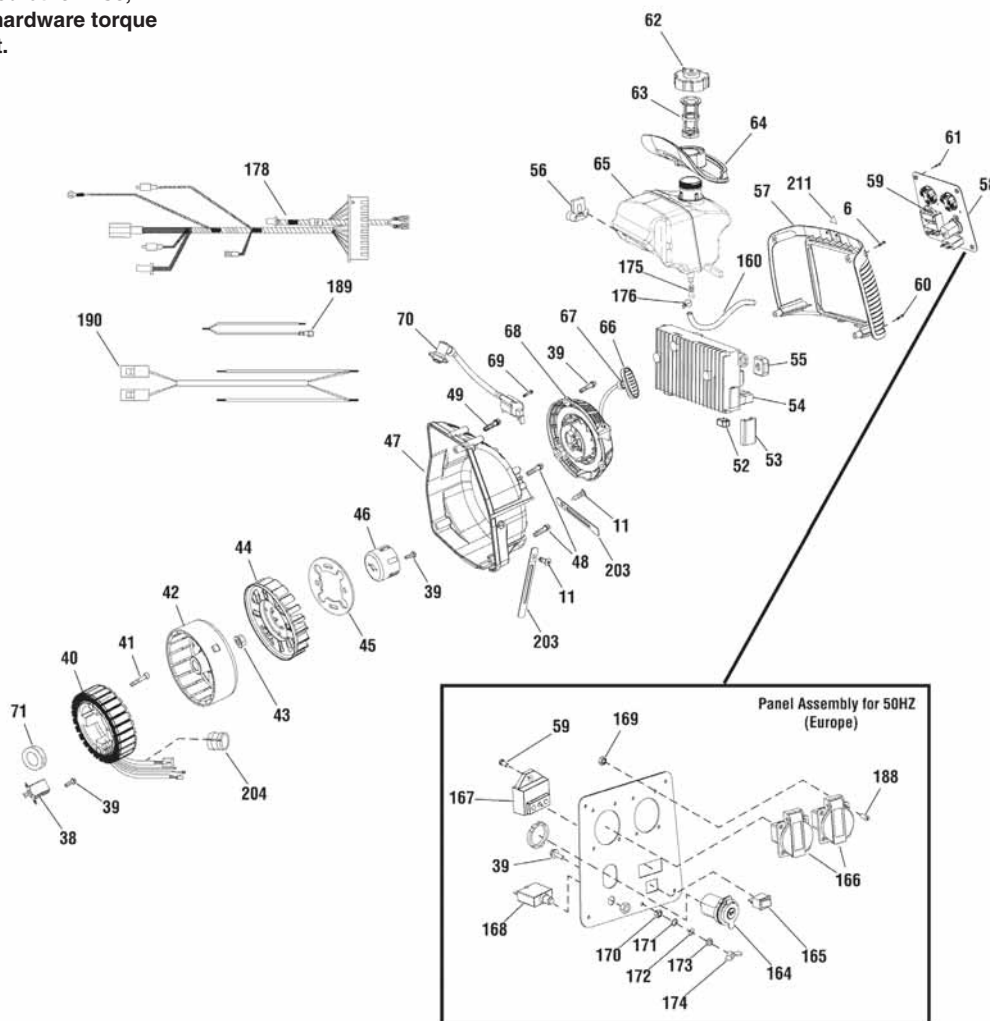
030526-00 - 1600 Watt Briggs & Stratton Inverter Generator

030526-01 - 1600 Watt Briggs & Stratton Inverter Generator

Alternator & Control Panel

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REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
69	----	* SCREW	178	314533GS	HARNESS, Wiring
70	317436GS	COIL, Ignition	188	----	* SCREW
71	----	* SEAL, Oil	189	314534GS	WIRE
160	317443GS	HOSE, Fuel	190	315829GS	HARNESS, Wiring
164	314531GS	OUTLET, 12VDC	203	----	* BRACKET
165	311442GS	SWITCH	204	----	* COVER, Rubber
166	315823GS	OUTLET	211	315636GS	DECAL
167	311443GS	LIGHT, Indicator	--	187876GS	CABLE, Battery Charge (Not Illustrated)
168	311444GS	BREAKER, Circuit	--	703574	KIT, Tool (Not Illustrated)
169	----	* NUT	--	311559GS	JET, Main, High Altitude, 5000 ft. (Optional Accessory)
170	----	* NUT			
171	----	* WASHER			
172	----	* WASHER			
173	----	* WASHER			
174	----	* NUT			
175	----	* FILTER, Fuel Tank			
176	----	* CLAMP			

Footnotes

* Not a serviceable part.

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

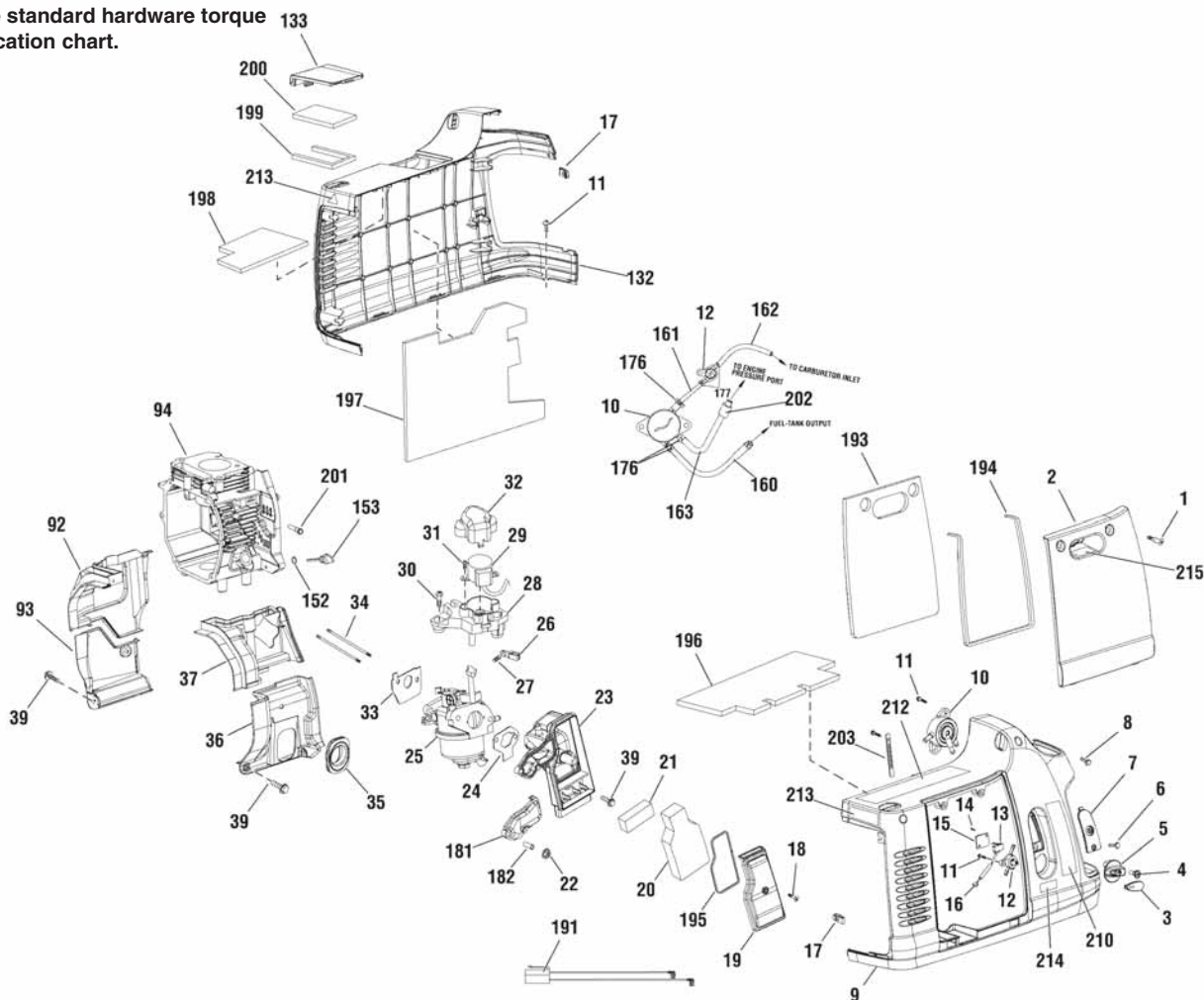
030526-00 - 1600 Watt Briggs & Stratton Inverter Generator

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Enclosure

315811enc

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specification chart.



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
1	311375GS	BOLT	19	311387GS	COVER, Air Cleaner
2	311376GS	PANEL, Access	20	311388GS	FILTER, A/C Foam
3	311377GS	COVER, Knob	21	311389GS	FILTER, A/C Foam
4	----	* BOLT	22	----	* NUT
5	311378GS	KNOB	23	311390GS	BASE, Air Cleaner
6	311379GS	SCREW	24	311391GS	GASKET, Air Cleaner
7	311380GS	PLATE, Trim	25	311392GS	CARBURATOR
9	311382GS	COVER, Side	26	311393GS	ROD, Throttle
10	311383GS	PUMP, Fuel	27	----	* SPRING
11	----	* SCREW	28	311394GS	BRACKET
12	311384GS	VALVE, Fuel	29	311395GS	MOTOR, Stepper
13	311385GS	SWITCH, ON/OFF	30	----	* BOLT
14	----	* BOLT	31	----	* BOLT
15	----	* COVER, Switch	32	311396GS	COVER
16	----	* CONNECTION	33	311397GS	GASKET
17	----	* NUT	34	311398GS	STUD
18	311386GS	BOLT			

Footnotes

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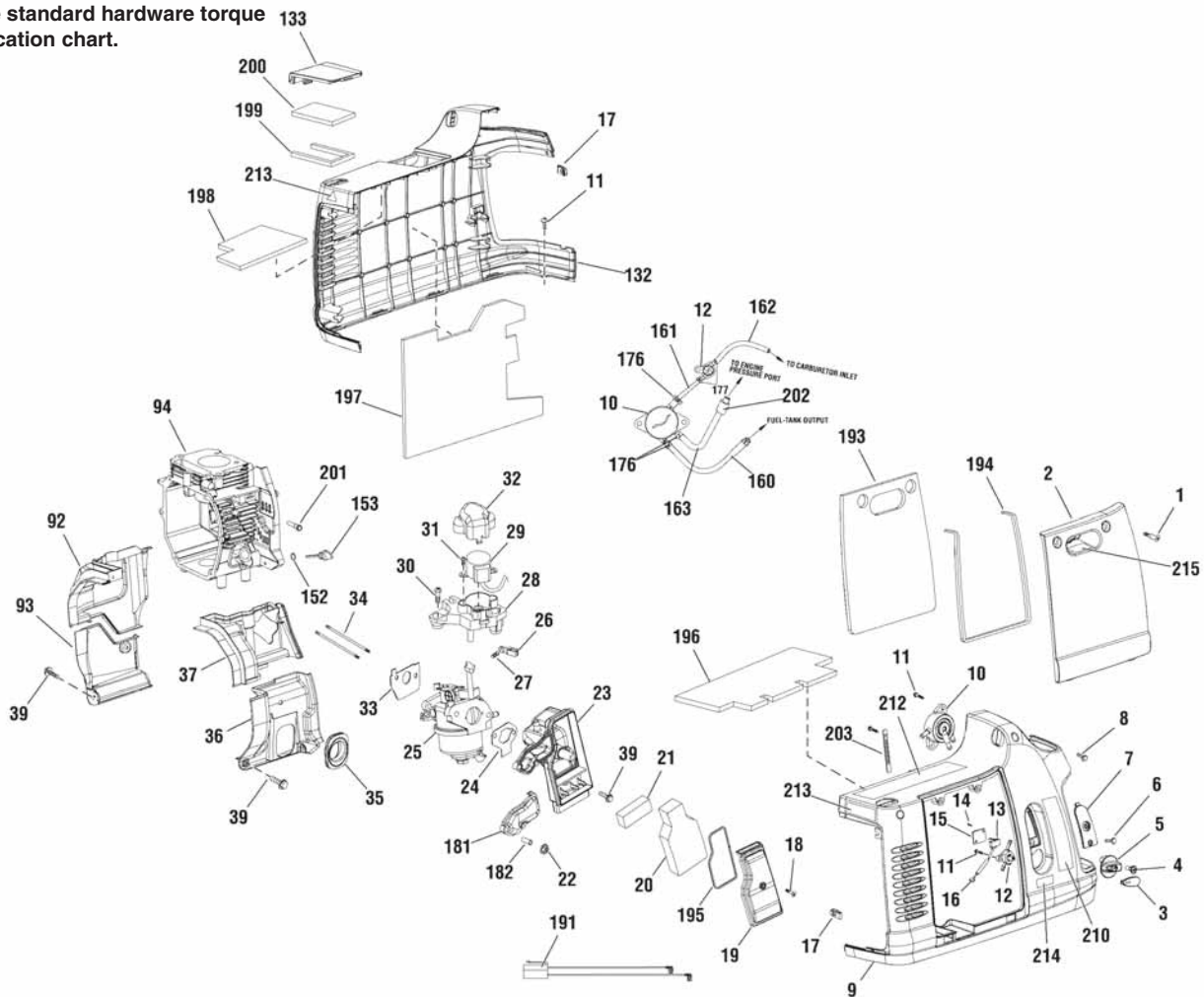
030526-00 - 1600 Watt Briggs & Stratton Inverter Generator

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Enclosure

315811enc

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specification chart.



REF. PART NO.	DESCRIPTION	REF. PART NO.	DESCRIPTION
35	* SEAL, Rubber	181	312861GS COVER, Air Cleaner
36	* DEFLECTOR	182	* SLEEVE
37	* DEFLECTOR	191	314479GS WIRE
39	311400GS SCREW	193	* FOAM
92	* DEFLECTOR	194	* SEAL
93	* DEFLECTOR	195	* SEAL
94	* CRANKCASE	196	* FOAM
132	311429GS COVER, Side	197	* FOAM
133	311430GS COVER, Spark Plug	198	* FOAM
152	311433GS O-RING	199	* SEAL
153	311434GS DIPSTICK	200	* FOAM
160	317443GS HOSE, Fuel	201	* CYLINDER, Breather Tube
161	317444GS HOSE, Fuel	202	* TUBE
162	317752GS HOSE, Fuel	203	* BRACKET
163	311440GS HOSE, Vacuum	210	315638GS DECAL
176	* CLAMP	212	315637GS DECAL
177	* CLAMP	213	315634GS DECAL

Footnotes

* Not a serviceable part.

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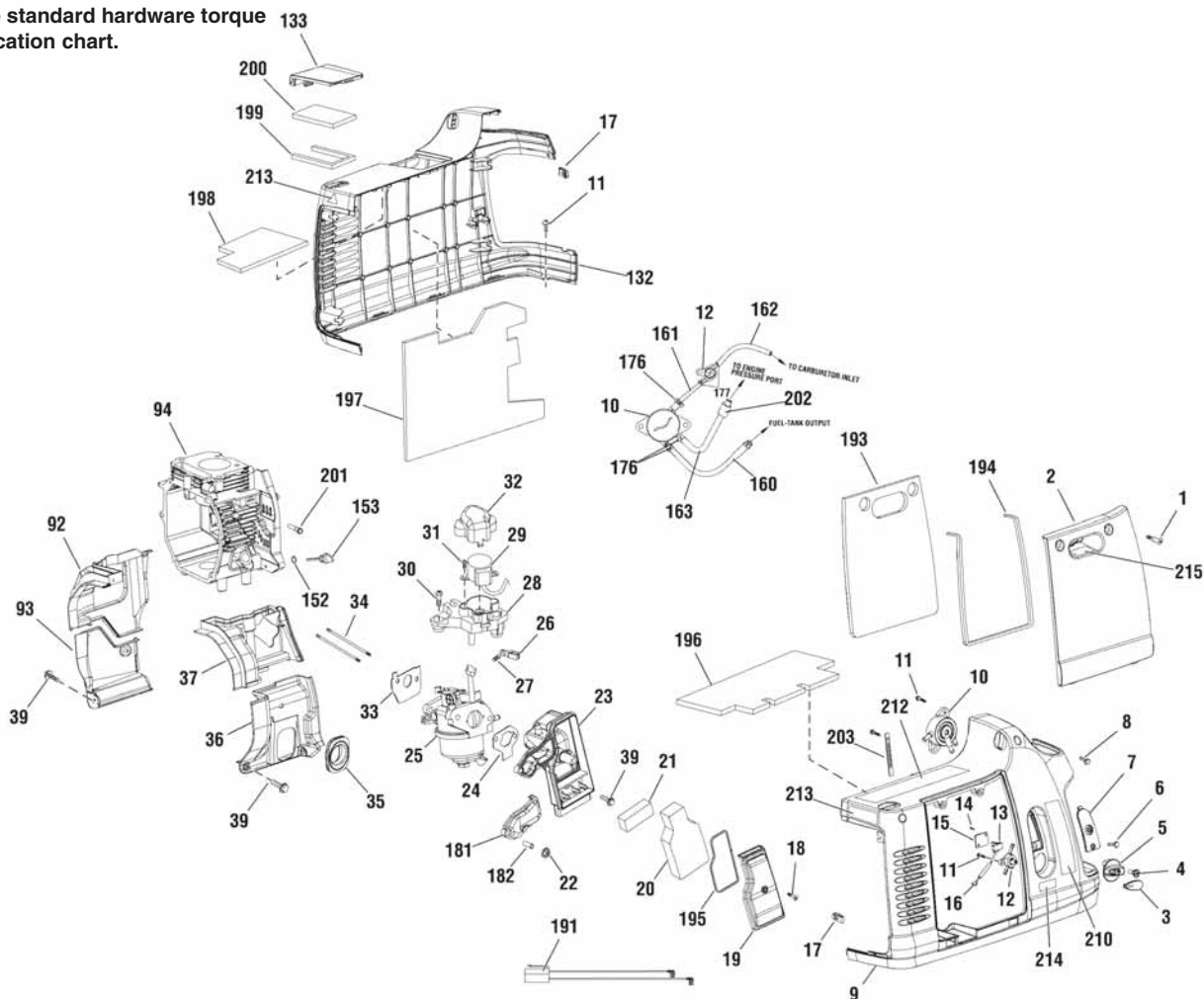
030526-00 - 1600 Watt Briggs & Stratton Inverter Generator

030526-01 - 1600 Watt Briggs & Stratton Inverter Generator

Enclosure

315811enc

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



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
214	311025GS	DECAL			
215	315639GS	DECAL			

Footnotes

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

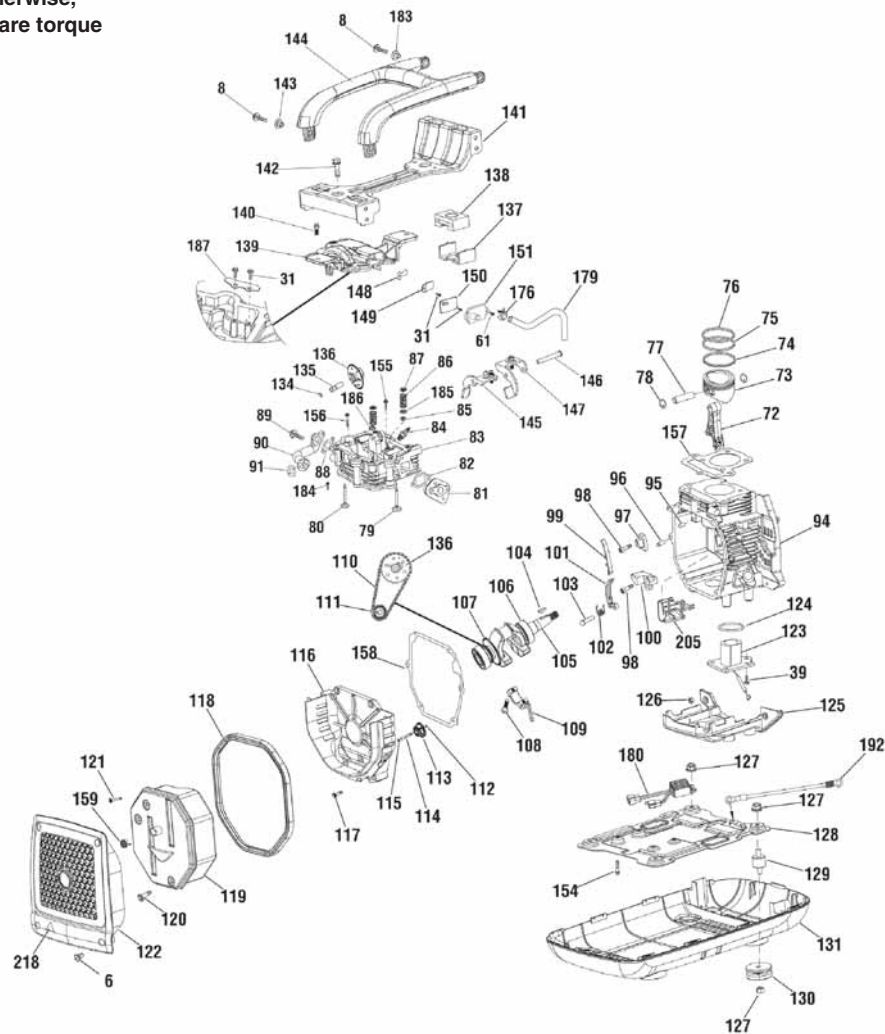
030526-00 - 1600 Watt Briggs & Stratton Inverter Generator

030526-01 - 1600 Watt Briggs & Stratton Inverter Generator

Engine

315811eng

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



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
6	311379GS	SCREW	84	311419GS	SPARKPLUG
8	311381GS	BOLT	85	----	* SEAL, Valve Oil
31	----	* BOLT	86	----	* SPRING
39	311400GS	SCREW	87	----	* SEAT, Valve
61	----	* SCREW	88	311420GS	GASKET
72	----	* ROD	89	----	* BOLT
73	----	* PISTON	90	----	* MUFFLER
74	----	* RING	91	311421GS	GASKET, Exhaust
75	----	* RING	94	----	* CRANKCASE
76	----	* RING	95	----	* PIN
77	----	* PIN	96	----	* PIN
78	----	* RETAINER, Pin	97	----	* BLOCK
79	----	* VALVE, Intake	98	----	* SCREW
80	----	* VALVE, Exhaust	99	----	* BRACKET
81	311417GS	INSULATOR	100	----	* BRACKET
82	311418GS	GASKET, Intake	101	----	* ARM, Tension
83	----	* CYLINDER HEAD			

Footnotes

* Not a serviceable part.

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

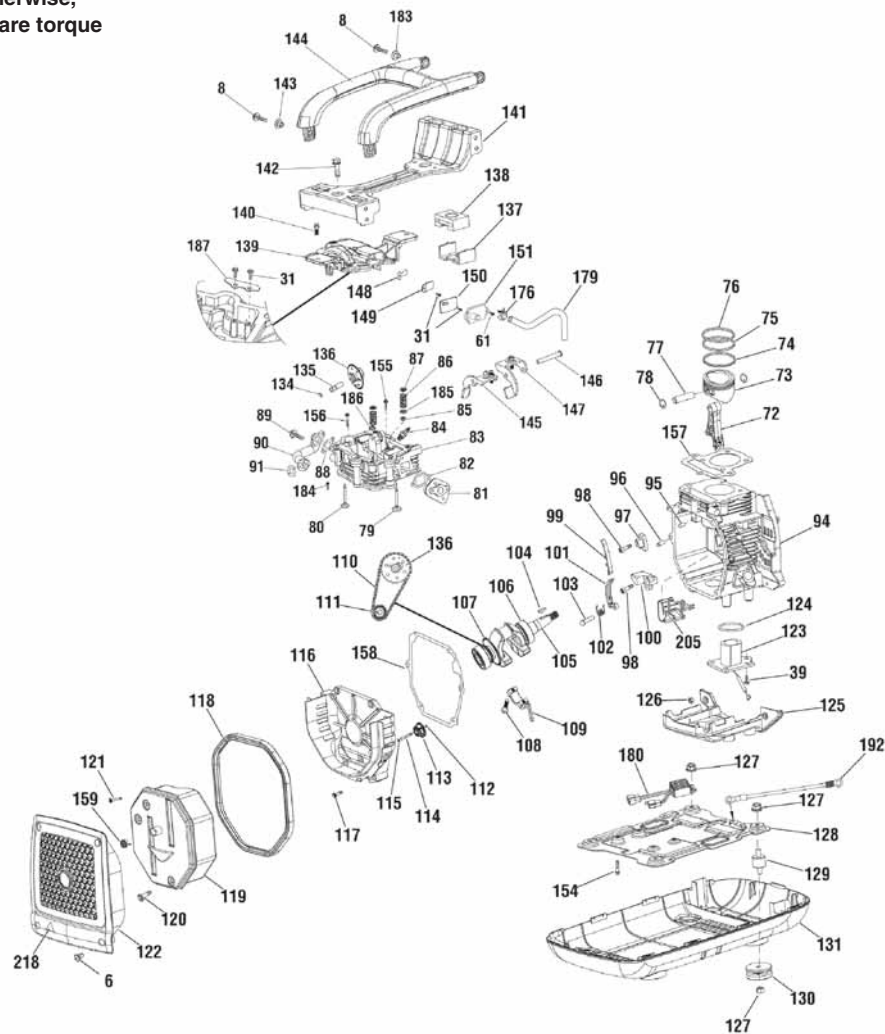
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030526-01 - 1600 Watt Briggs & Stratton Inverter Generator

Engine

315811eng

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



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
102	----	* SPRING	119	----	* MUFFLER
103	----	* PIN	120	----	* BOLT
104	----	* KEY	121	----	* BOLT
105	----	* CRANKSHAFT	122	311422GS	GUARD, Muffler
106	----	* BEARING	123	311423GS	SENSOR, Oil
107	----	* GEAR	124	314482GS	O-RING
108	----	* BOLT	125	----	* COVER
109	----	* COVER	126	----	* NUT
110	----	* CHAIN	127	----	* NUT
111	----	* WHEEL, Chain	128	311425GS	BASE
112	----	* SPRING	129	311426GS	MOUNT, Vibration
113	----	* WHEEL, Oil	130	311427GS	MOUNT, Vibration
114	----	* SHAFT	131	311428GS	COVER
115	----	* SHIM	134	----	* O-RING
116	----	* COVER, Crankcase	135	----	* SHAFT
117	----	* BOLT	136	----	* CAM ASSEMBLY
118	----	* BLOCK, Rubber	137	----	* BRACKET

Footnotes

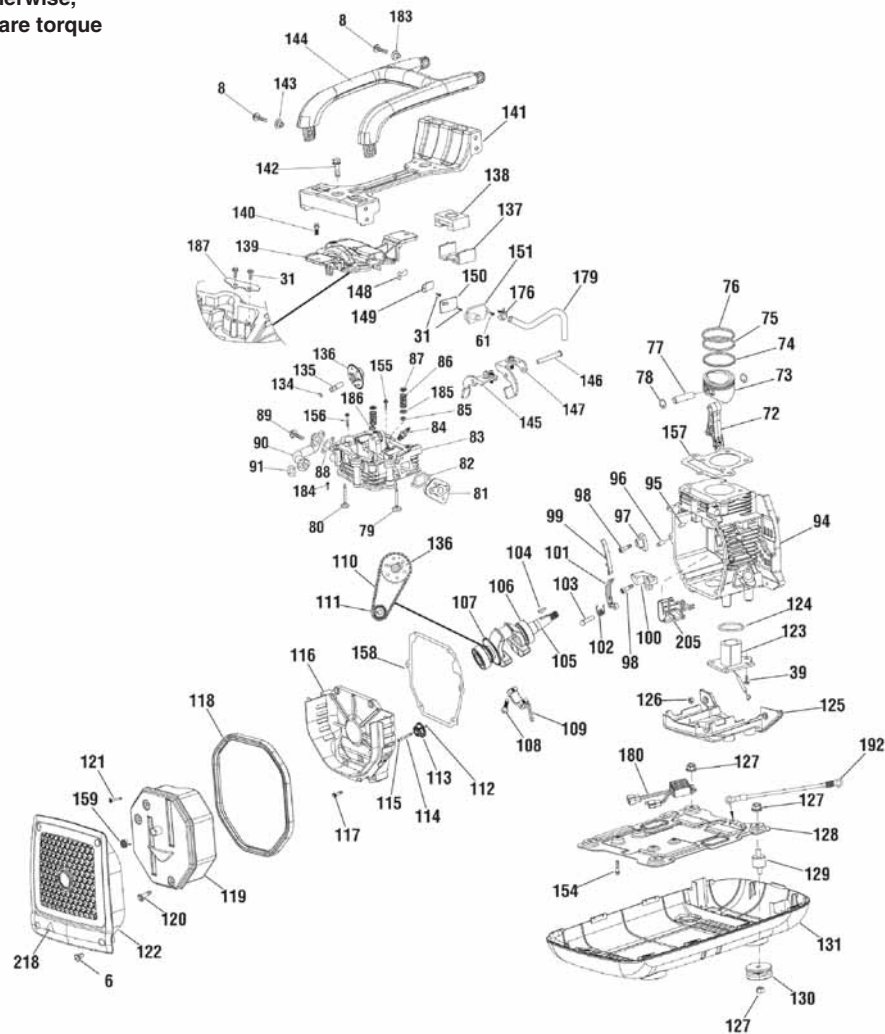
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NOTE: Unless noted otherwise,
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specification chart.



REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
138	----	* MOUNT, Vibration	157	----	* GASKET
139	314786GS	COVER, Cylinder	158	311435GS	GASKET, Crankcase
140	----	* BOLT	159	315584GS	ARRESTOR, Spark
141	----	* BRACKET	176	----	* CLAMP
142	----	* BOLT	179	311446GS	TUBE, Breather
143	311431GS	BUSHING	180	311407GS	REGULATOR, Voltage
144	311432GS	HANDLE	183	314478GS	BUSHING
145	----	* ARM, Exhaust Valve	184	----	* BOLT
146	----	* PIN	185	----	* SEAT
147	----	* ARM, Intake Valve	186	----	* SEAT
148	314747GS	VALVE	187	----	* PLATE
149	314748GS	BOARD, Valve	192	314483GS	WIRE, Ground
150	----	* BOARD, Valve	205	----	* BREATHER
151	----	* BOARD, Valve	218	315635GS	DECAL
154	----	* BOLT			
155	----	* BOLT			
156	----	* BOLT			

Footnotes

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Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance $\pm 20\%$)								
Property Class	 Class 5.6		 Class 8.8		 Class 10.9		 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

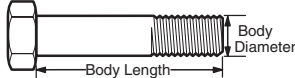
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread
Diameter (mm)
Inside Diameter (in)
Threads per inch

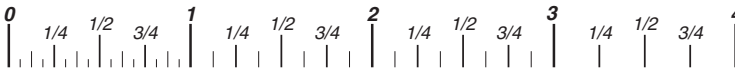
Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm)
Body Diameter
Distance between threads (mm)
Threads per inch
Body Length (mm)
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*, (1.25 thread diameter). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)						
Hardware Grade	 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

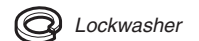
- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock 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



Lockwasher

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



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