

Product Parts Guide



BNG3800iAEFIC INVERTER GENERATOR | SERIAL NUMBER

S/N #

MODEL
INFO

BNPRODUCTS.COM



GENERATOR PARTS GUIDE

This manual lists service replacement parts for the generator set model as listed on this document. Information in this publication represents data available at the time of print. BN Products-USA™, a division of Benner-Nawman, Inc., reserves the right to change this publication and the products represented, without notice and without any obligation or liability, real or implied.



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Customer Service Information

BN Products-USA™ **Customer Service**

Toll-Free (800) 992-3833 mail@bnproducts.com
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Replacement parts can be purchased from BN Products-USA™ by calling our customer service at 1-800-992-3833, M-F 8:00am-4:30pm MST. Parts and accessories that wear down over the course of normal use are **not** covered by the limited manufacturer warranty.

Product Part Numbers

Part Numbers contained within this Guide are unique to BN Products-USA™. Such part numbers are not universal identifiers that can to be directly referenced by non-OEM, third-party, or after-market parts suppliers.

Modules: Parts Listings & Drawings

1 - Crankcase

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102873	Crankcase	1	7	102875	Lower wind deflector	1
2	102803	Dipstick assembly	1	8	102238	Crimping board	1
3	102233	Locating pin 8×12	2	9	102170	Bolt M6×12	2
4	102234	Crankcase gasket	1	10	102239	Oil seal 25×41.25×6	1
5	102806	Bearing 6205	1	11	102240	Bolt M6×25	7
6	102874	Crankcase cover	1	12	102804	Temperature Sensor	1

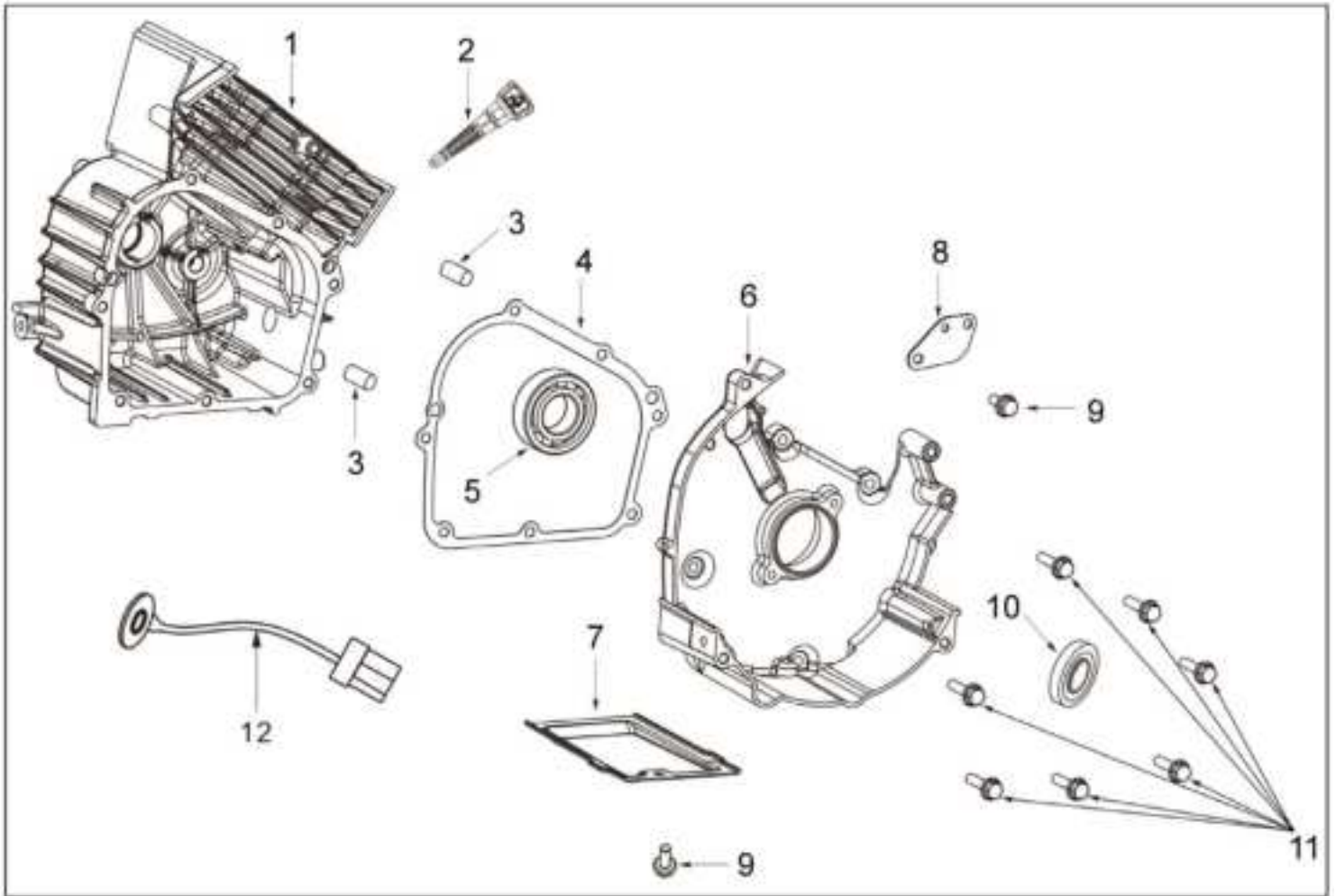


Figure 1 - Crankcase

2 - Cylinder Head Cover

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102191	Bolt M6×18	4	10	102180	PISTON ROD CLIP	1
2	102172	Cylinder head cover	1	11	102876	Cylinder head	1
3	102173	Oil screen 45×25×12.5	1	12	102877	STUD BOLT M6X102	2
4	102174	Gasket Seal	1	13	102878	Gasket,Cylinder head	1
5	102175	Breather valve cover plate	1	14	102184	PIN 10X14	2
6	102176	Cross head screw 4×8	4	15	102879	Exhaust port gasket	1
7	102177	Cylinder head cover pad	1	16	102880	Limit plate gasket	2
8	102811	Bolt M8×60	4	17	102187	AIR DEFLECTOR	1
9	102179	Spark plug	1				

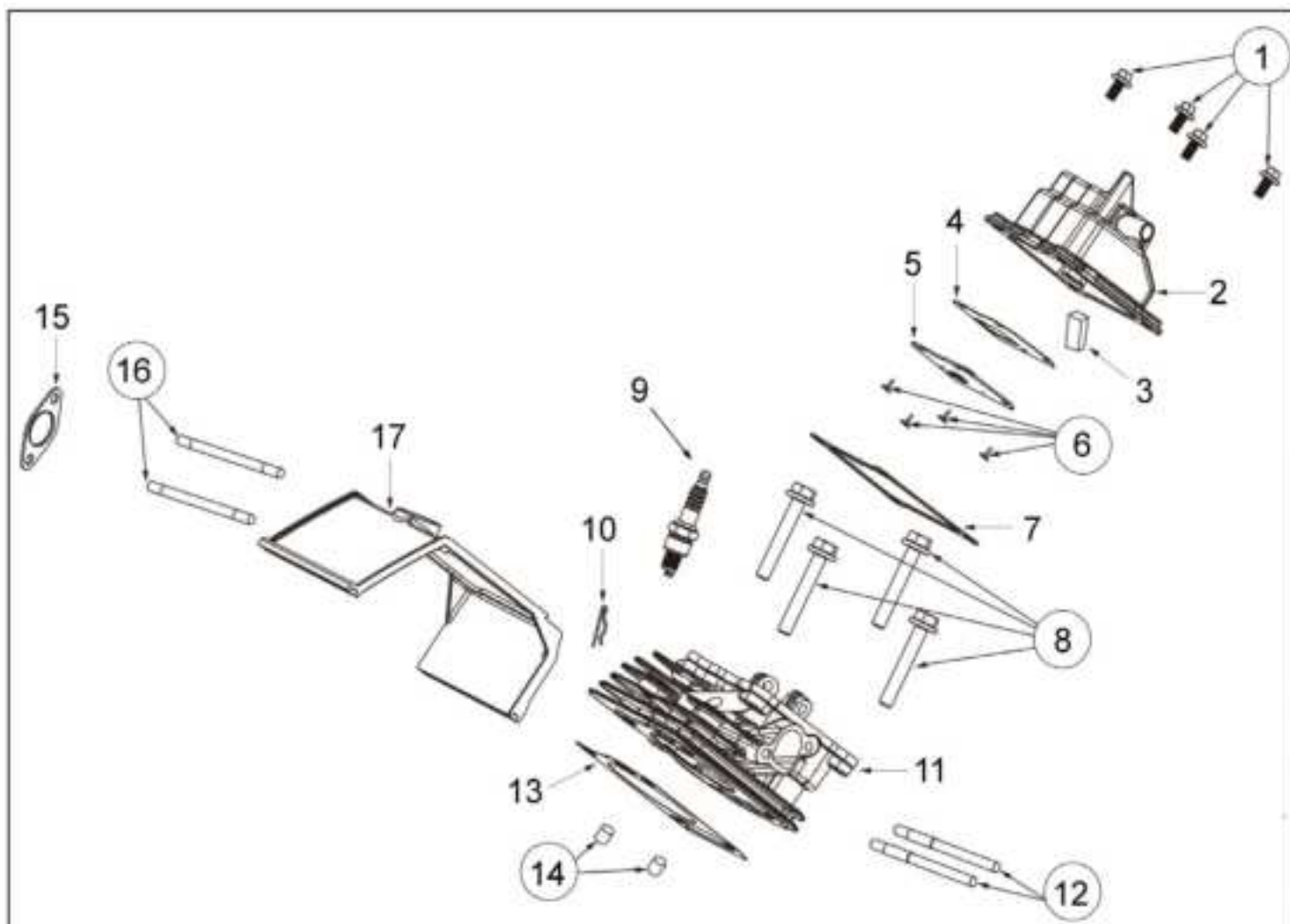


Figure 2 - Cylinder Head Cover

3 - Rotor and Stator

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102881	Motor stator	1	5	102168	Impeller	1
2	102816	Bolt	2	6	102169	Starting sleeve	1
3	102882	Motor rotor	1	7	102170	BOLT M6X12	2
4	102167	Locking Nut	1				

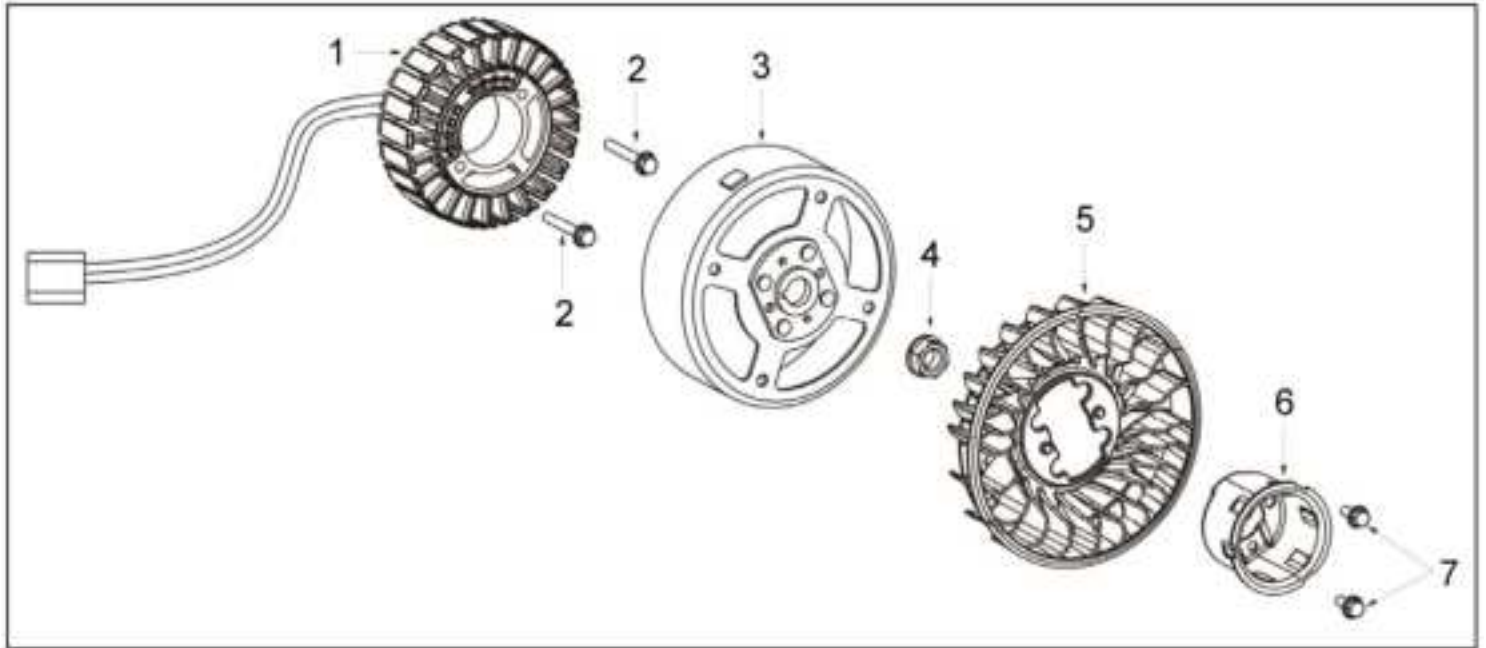


Figure 3 - Rotor and Stator

4 - Recoil Starter

#	Part Number	Description	Qty
1	102883	Air Shroud Assembly	1
2	102820	Starting handle	1
3	102821	Handle cover plate	1
4	102191	BOLT M6X18	7
5	102822	Pulling plate	1
6	102884	Crimping board	1

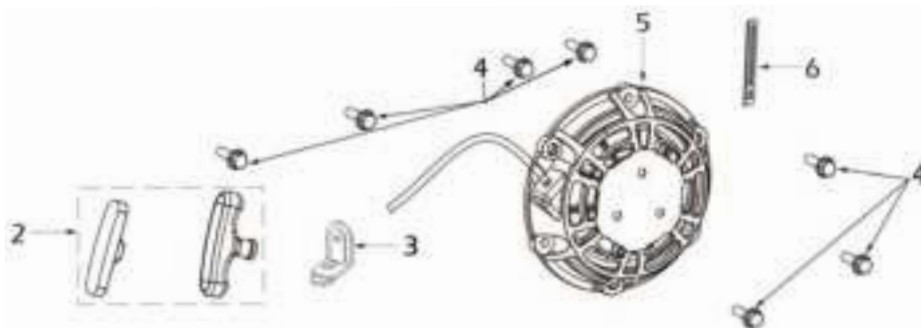
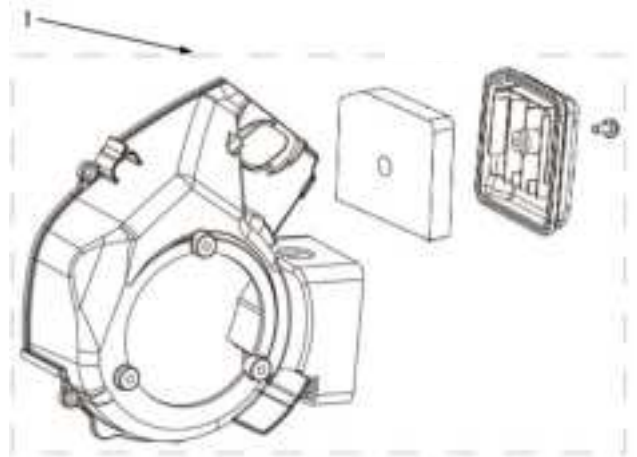


Figure 4 - Recoil Starter

5 - Ignition Coil

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102885	Bolt	1	4	102224	Oil Alarm Sensor	1
2	102222	Ignition coil	1	5	102225	Bolt	2
3	102886	Trigger coil assembly	1	6	102170	Bolt	2

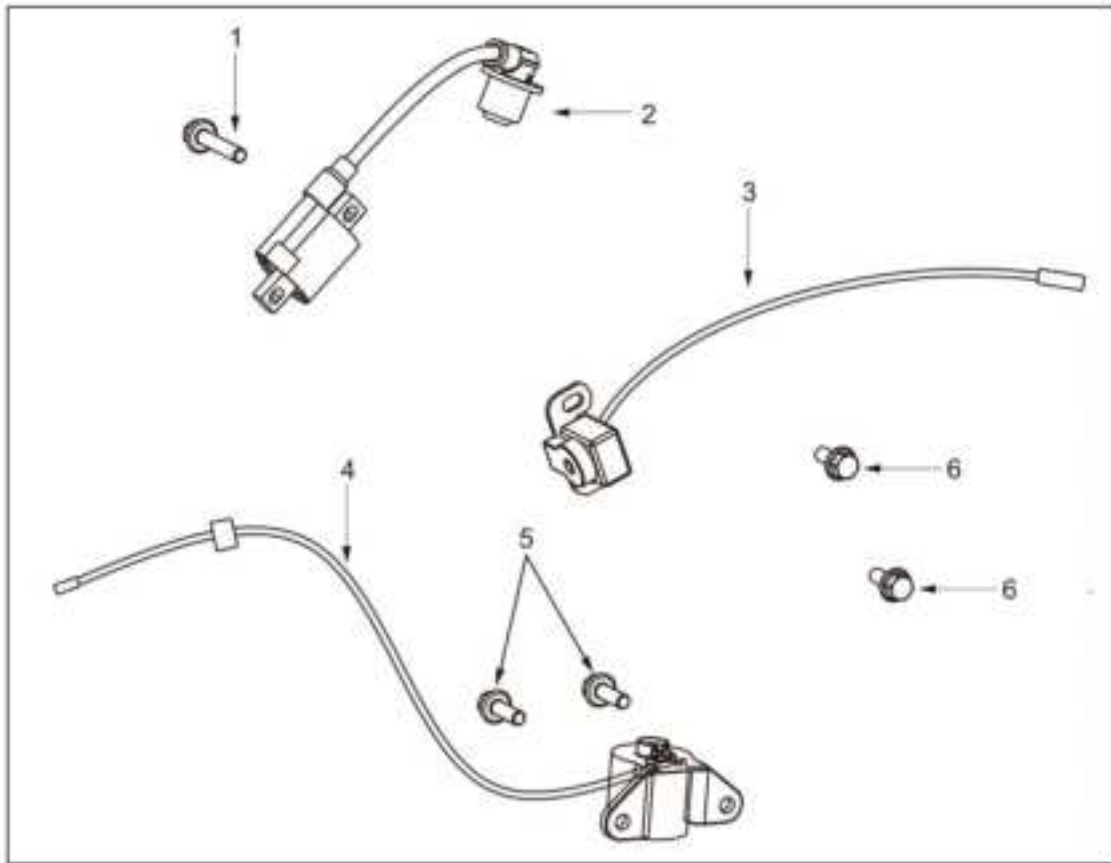


Figure 5 - Ignition Coil

6 - Camshaft Parts

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102194	Bolt M6 X 10	1	9	102208	Exhaust valve	1
2	102826	Rocker shaft stop	1	10	102209	Intake valve	1
3	102827	Rocker pin	2	11	102210	Tappet	2
4	102887	Rocker arm assembly	2	12	102211	Wear resistant gasket	1
5	102198	Valve spring seat	2	13	102888	Camshaft components	1
6	102828	Valve spring	2	14	102213	Valve clamp lock	4
7	102206	Oil baffle	1	15	102830	Oil baffle (exhaust valve)	1
8	102207	PUSH ROD	2	See Figure 6, Next Page			

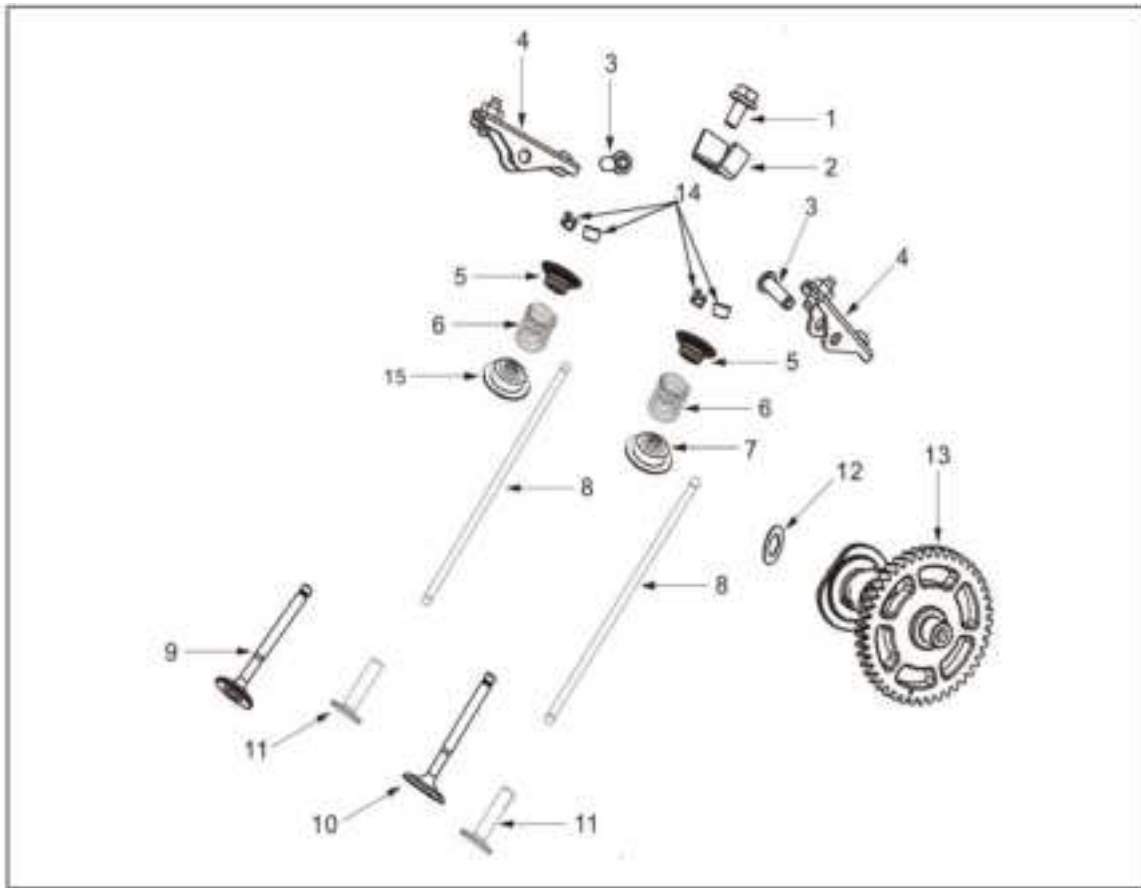


Figure 6 - Camshaft Parts

7 - Piston, Crankshaft

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102892	PISTON RING Assembly	1	5	102894	Connecting rod	1
2	102838	Piston pin circlip	2	6	102219	WASHER 36X25.3X.5	1
3	102893	Piston	1	7	102895	Crankshaft	1
4	102217	Piston pin	1				

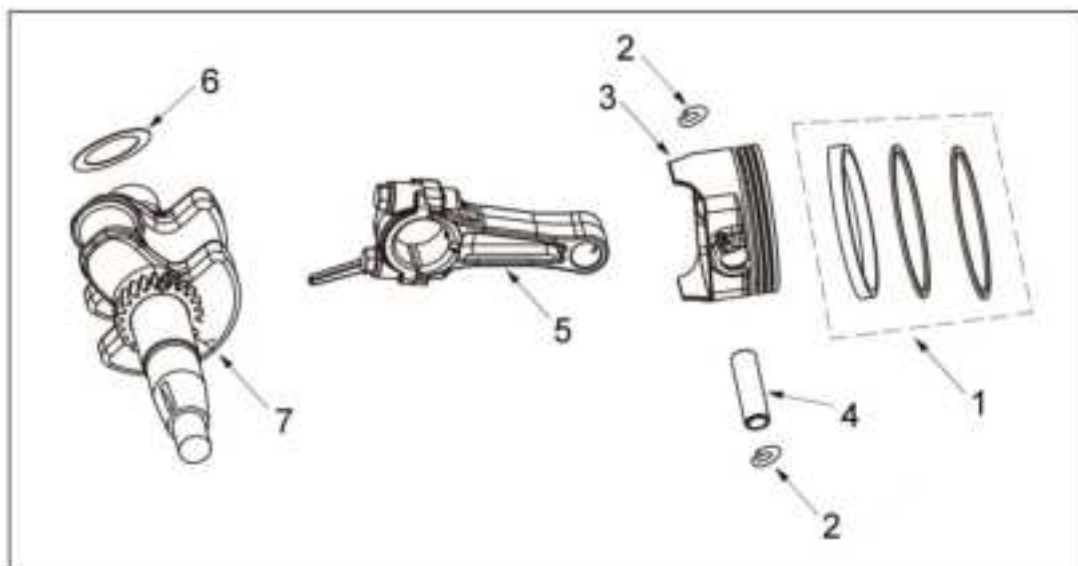


Figure 7 - Piston, Crankshaft

8 - Muffler Parts

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102896	Muffler cover (front)	1	5	102103	NUT M6	2
2	102191	BOLT M6X18	3	6	102898	Muffler cover (rear)	1
3	102897	Muffler components	1	7	102230	SCREW 4.2X16	5
4	102228	BOLT M6X40	1				

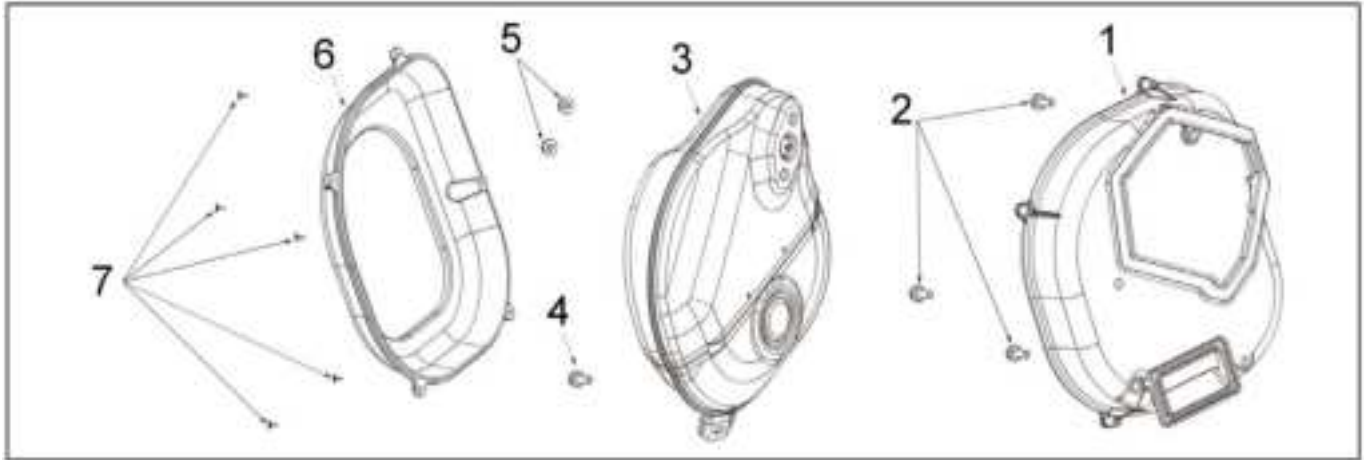


Figure 8 - Muffler Parts

9 - Muffler Shield

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102903	Muffler shield	1	8	102904	Muffler sealant sleeve	1
2	102117	SCREW 5X16	8	9	102119	Plumb ring	4

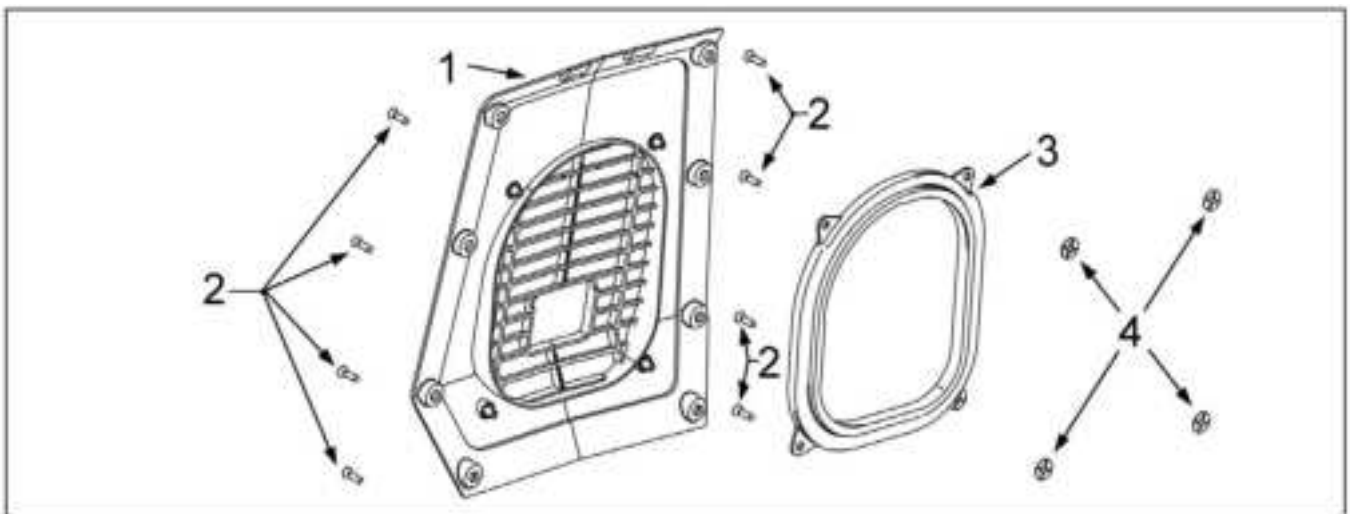


Figure 9 - Muffler Shield

10 - Generator Base and Inverter

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102905	Base plate	1	12	102117	SCREW 5X16	1
2	102906	Supporting seat	2	13	102103	NUT M6	4
3	102841	Shock pad	4	14	102909	Wheel	2
4	102240	BOLT M6X25	1	15	102910	WHEEL PIN	2
5	102127	Nut	4	16	102180	PISTON ROD CLIP	2
6	102147	Nut	6	17	102911	Lithium battery	1
7	102907	Inverter	1	18	102912	BATTERY BOX	1
8	102908	Ground wire	1	19	102816	BOLT M6X35	1
9	102150	INVERTER BRACKET A	1	20	102913	Nut	1
10	102151	INVERTER BRACKET B	1	21	102914	Battery strap	1
11	102102	BOLT M6X12	3				

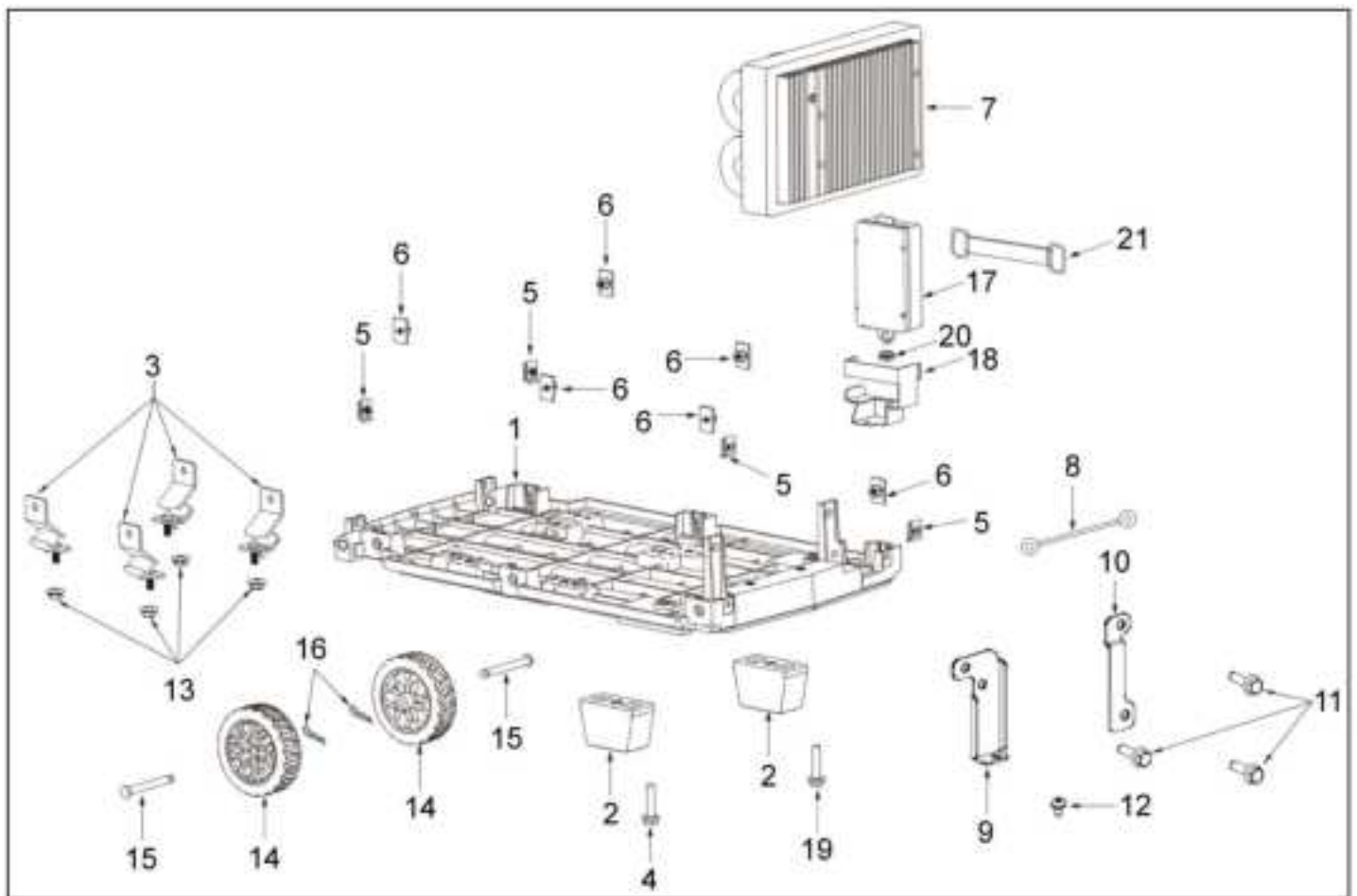
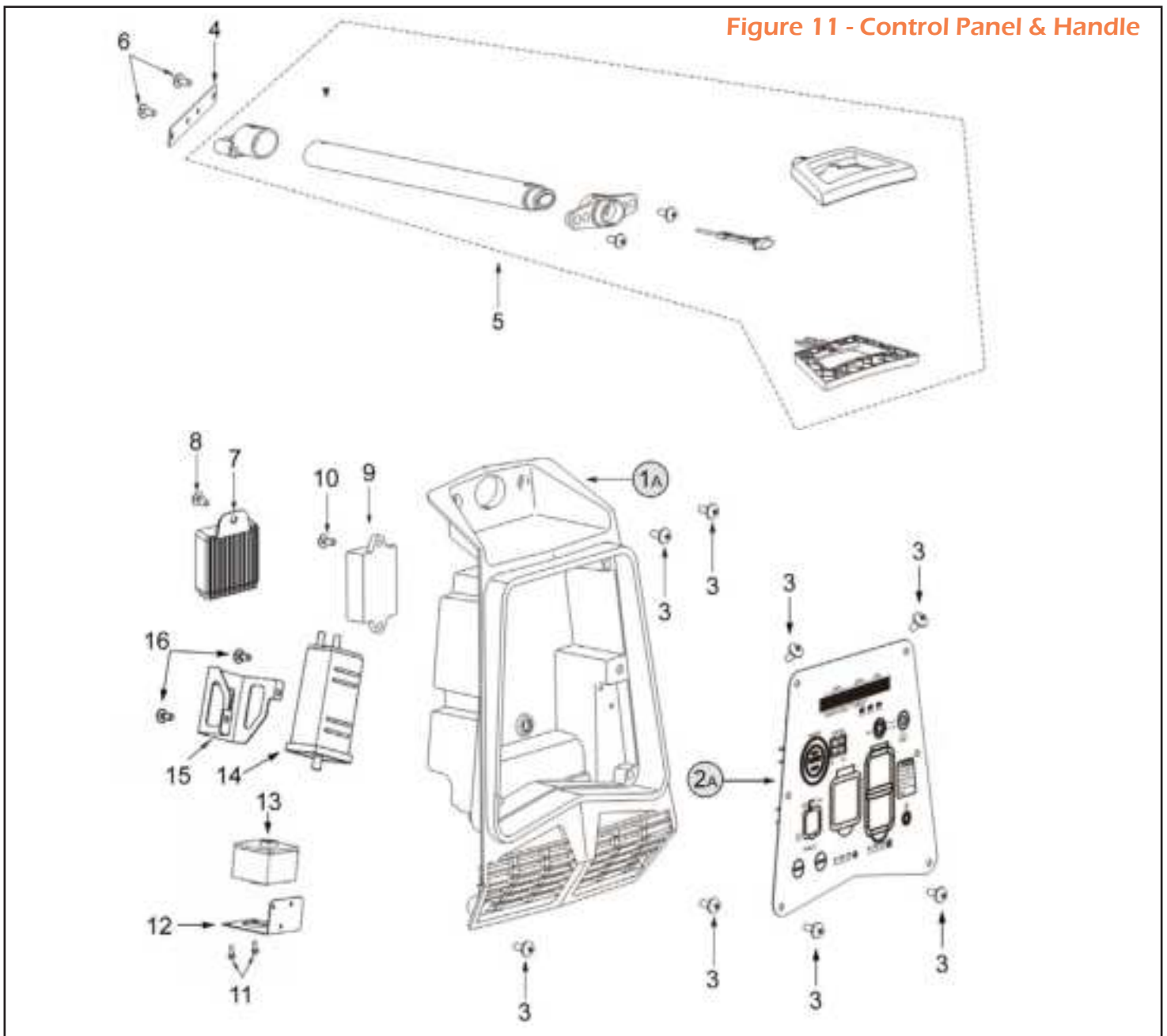


Figure 10 - Generator Base and Inverter

11 - Control Panel & Handle

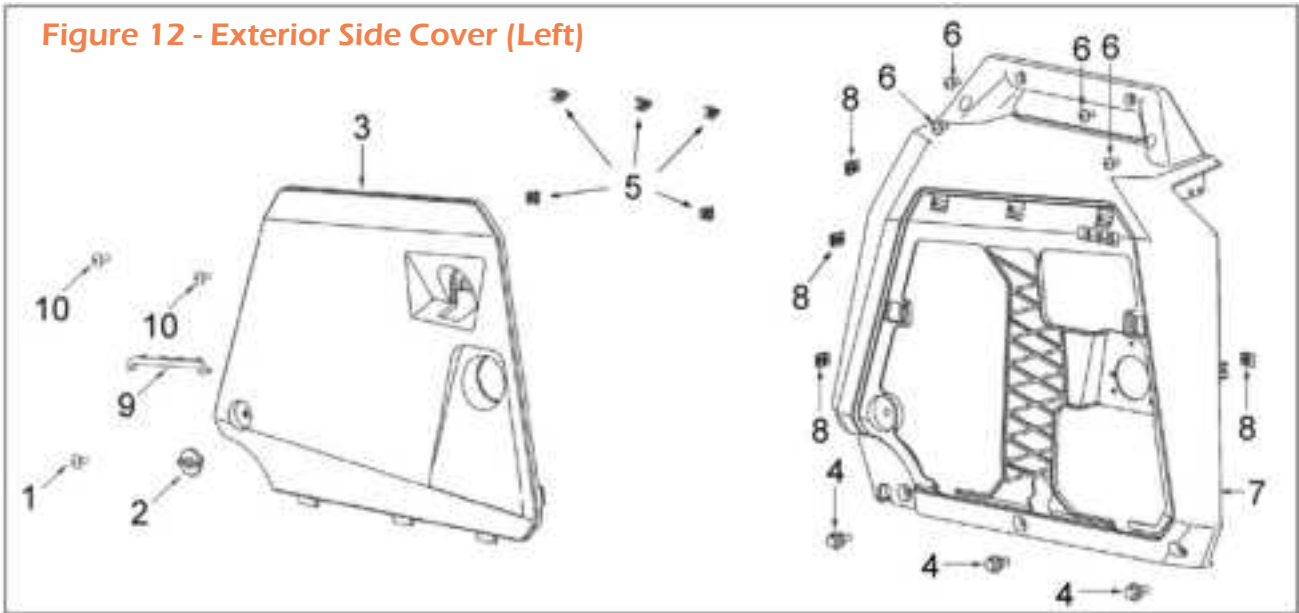
#	Part Number	Description	Qty	#	Part Number	Description	Qty
1A	102937	Control (Front) Panel Assembly	1	9	102918	One-click start module	1
2A				10	102917	BOLT M5X14	2
3	102117	SCREW 5X16	8	11	102856	BOLT M5X25	2
4	102915	PULL HANDLE MOUNT PLATE	1	12	102919	CO alarm bracket	1
5	102916	PULL HANDLE ASSEMBLY	1	13	102920	CO alarm	1
6	102120	SCREW 5X10	2	14	102921	Carbon tank	1
7	102854	Voltage regulating rectifier	1	15	102922	Carbon tank support	1
8	102917	BOLT M5X14	1	16	102120	SCREW 5X10	2



12 - Exterior Side Cover (Left)

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102858	Screw	3	6	102117	SCREW 5X16	4
2	102923	Rotary knob	1	7	102925	Left shell	1
3	102924	LEFT PANEL	1	8	102127	Nut	4
4	102862	Bolt	3	9	102857	Handle trim	1
5	102861	PANEL CLIP	5	10	102858	Screw	3

Figure 12 - Exterior Side Cover (Left)



13 - Exterior Side Cover (Right)

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102926	Right shell	1	6	102133	Anti loss rubber strip	1
2	102923	Rotary knob	1	7	102861	PANEL CLIP	5
3	102127	Nut	4	8	102862	Bolt	3
4	102131	sheath	1	9	102928	RIGHT PANEL	1
5	102927	Spark-plug outer cover	1				

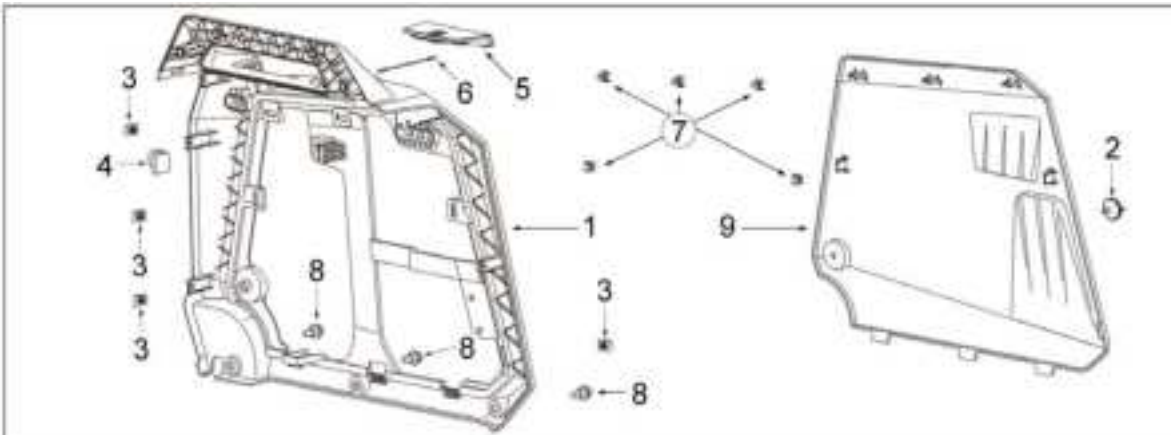


Figure 13 -
Exterior Side
Cover (Right)

14 - Fuel Tank

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102929	Fuel Tank w/ Sediment Cup	1	7	102836	RIBBON TUBING CLAMP M10	2
2	102935	FUEL EVAP COLLECTION PIPE	1	8	102932	Oil tube	1
3	102930	FUEL NECK SHEATH	1	9	102933	SHEATH 10X50	1
4	102107	Tank cap	1	10	102870	FERRULE 8MM	2
5	102108	Sheath	3	11	102934	RUBBER SLEEVE FOR OIL TANK	1
6	102931	Oil pump	1				

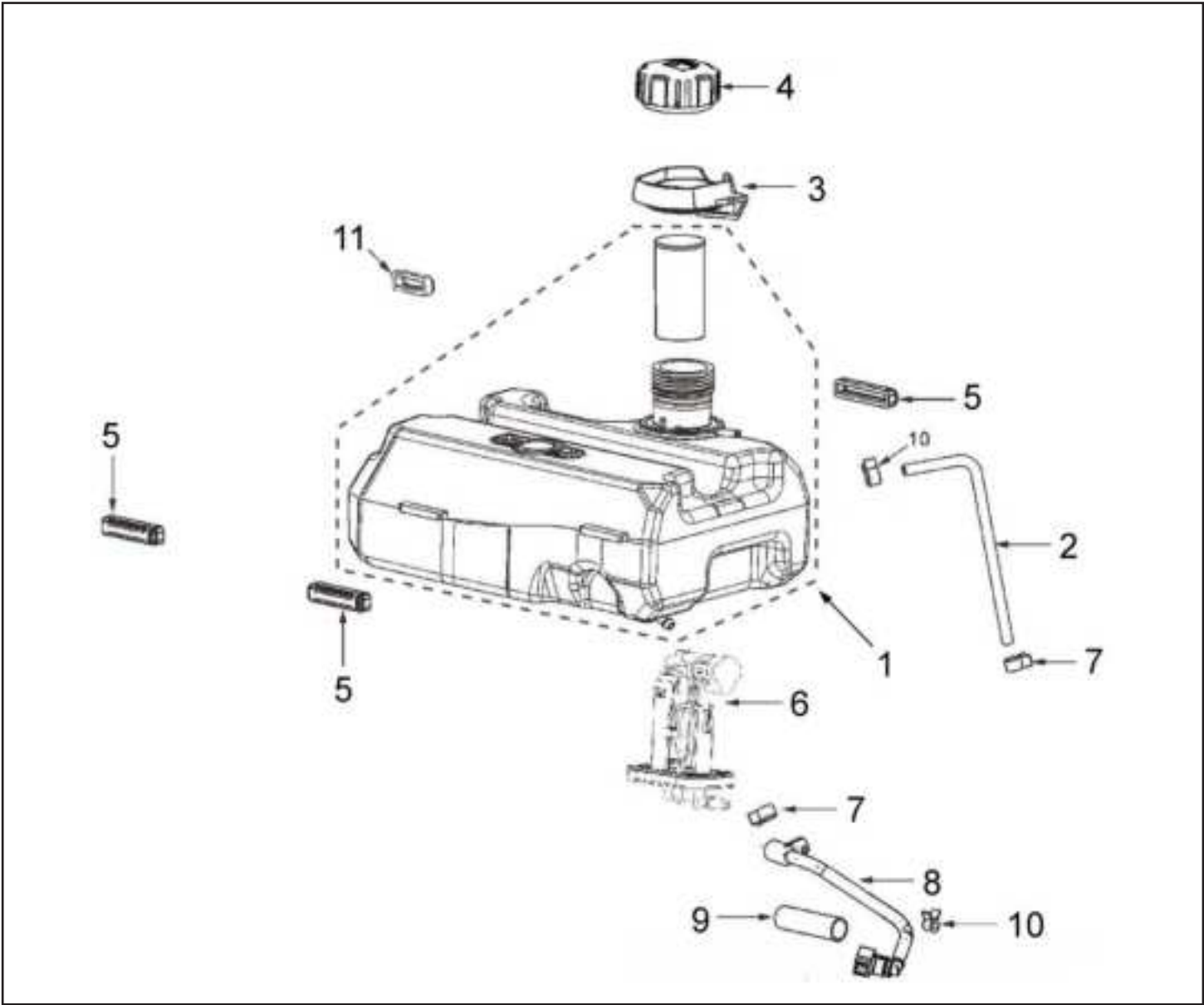


Figure 14 - Fuel Tank

15 - Fuel Injection Parts

#	Part Number	Description	Qty	#	Part Number	Description	Qty
1	102241	Cross head mount screw	2	6	102890	THROTTLE BODY GASKET	1
2	102938	Wiring harness	1	7	102891	THROTTLE BODY	1
3	102243	VENT PIPE	1	8	102835	Intake elbow	1
4	102832	Air inlet gasket	1	9	102103	NUT M6	2
5	102889	THROTTLE BODY BLOCK	1				

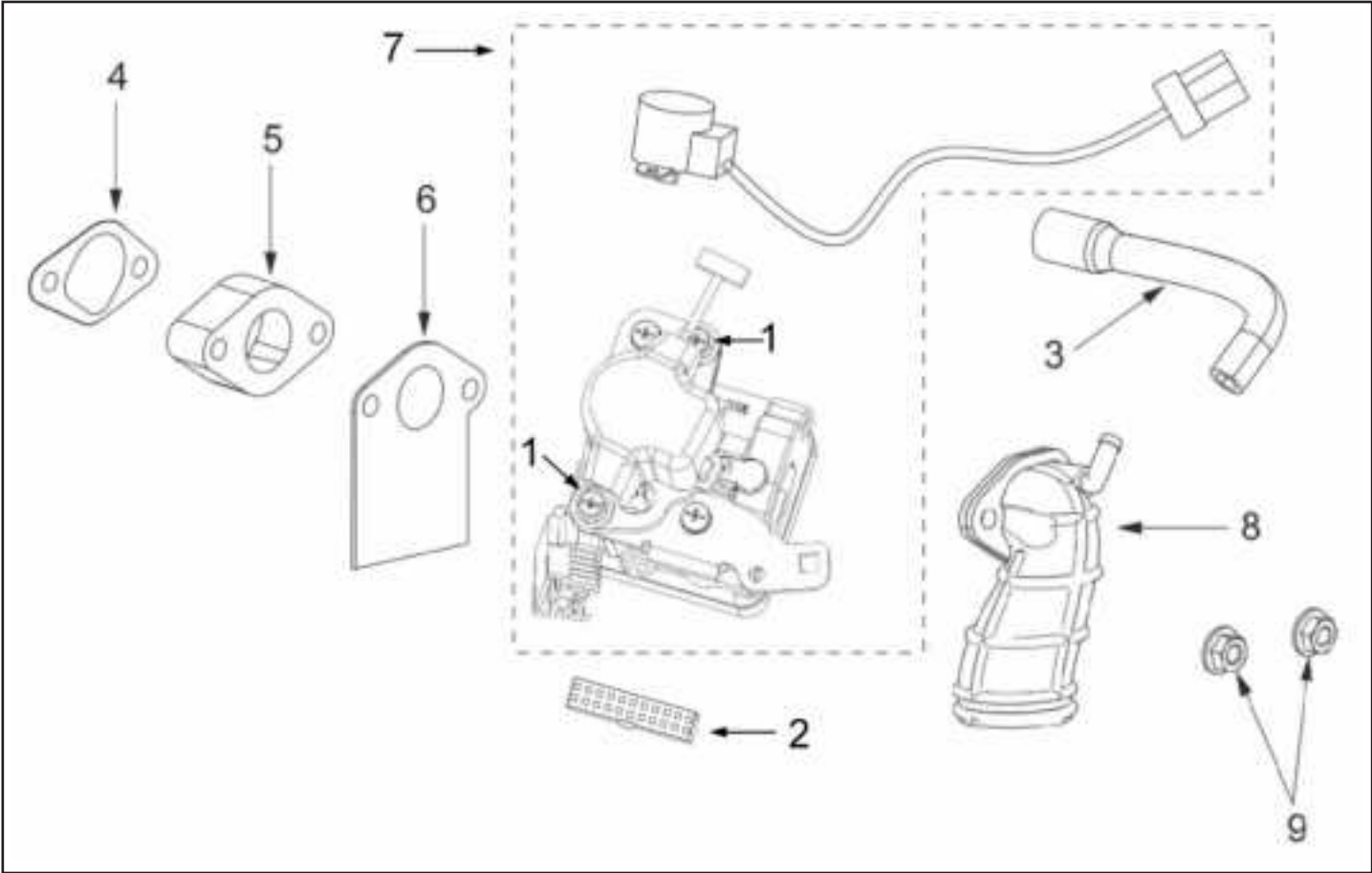
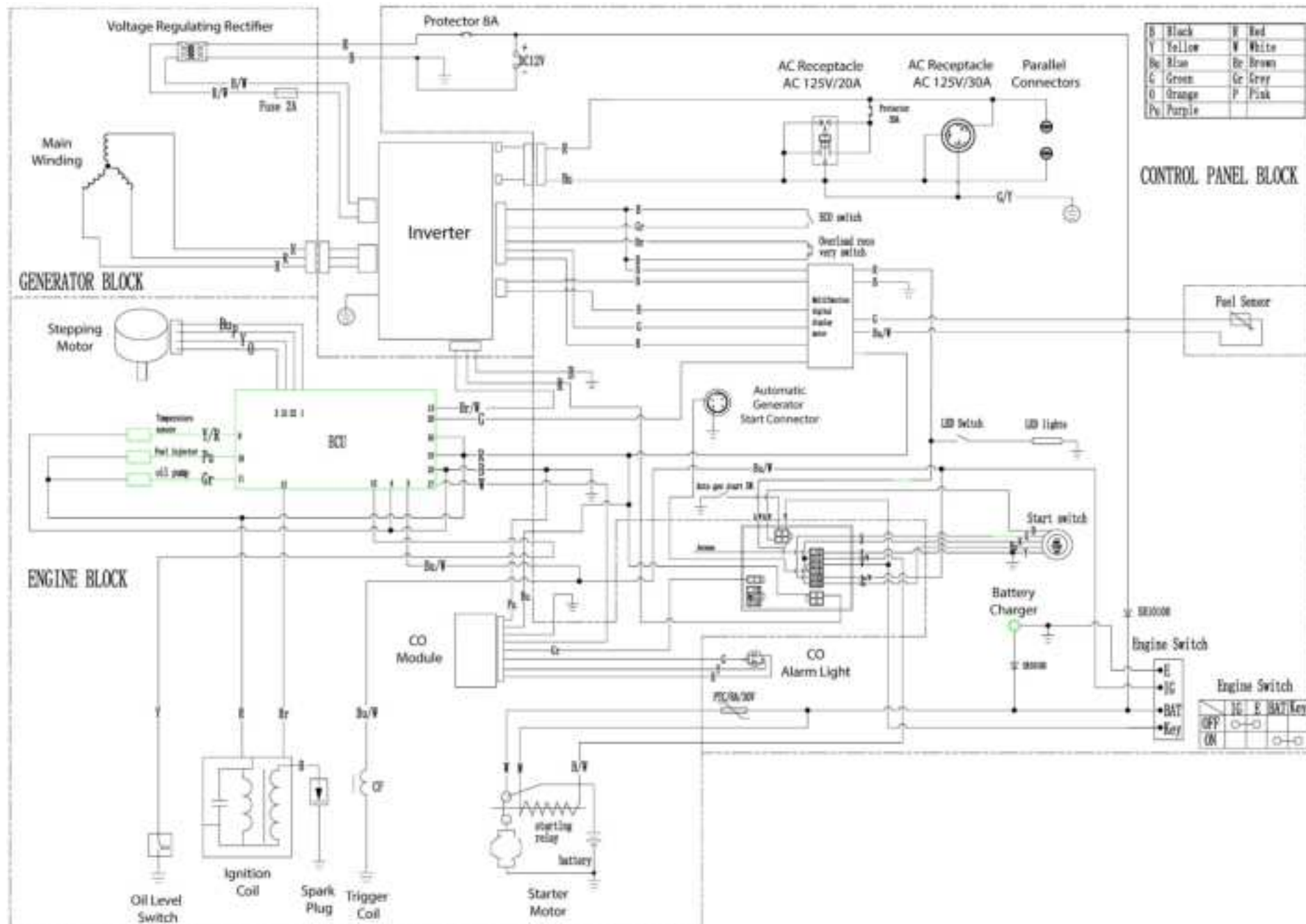


Figure 15 - Fuel Injection Parts

Electrical Diagram: BNG3800iAEFIC



[illegible]

Power (Max)	4600 Watts
Power (Rated)	3800 Watts
Engine Displacement	159 cc
Rated Speed	4850 RPM
Cooling	Air-Cooled
Voltage & Frequency	120V 60Hz single-phase
Outlets & Receptacles	(1) 120V GFCI (20A) NEMA 5-20R
	(1) 120V (30A)
	(1) DC 12V
Parallel Connection	Yes
Auto Start/Stop Interface	Two-Wire start-stop integration supported; interface cable included
Portability Features	Wheel Kit
	Telescoping/Retractable Handle
Runtime	9 Hours (25% Load)
Fuel Requirements	87 or greater octane; LESS THAN 10% ethanol
Fuel Capacity	1.5 Gallons (5.8 L)
Engine Oil Weight/Type	SAE 10W/30
Oil Capacity	0.12 G (0.45 L)
Dimensions	[LxWxH] 21.2" x 12.2" x 19.9"
Unit Weight	58.5 lbs. (27 kg)
EPA/CARB Certified	Yes
Safety	CO Shutoff / Electronic Device-safe
Fire Protection	Spark Arrestor Included
Sound Level	62.0 dBA @ 23' (7m)
Starter Type	Electric / Remote / Recoil



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