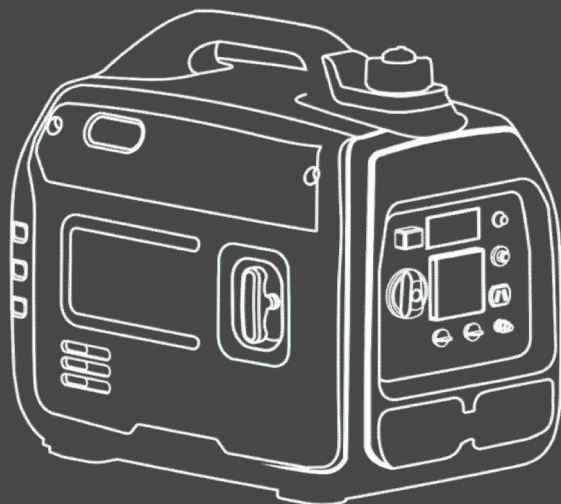




BNG2800iE

Inverter Generator

Inverter - Engine Parts Guide



2800
RUNNING WATTS

3000
MAX WATTS

BNG2800iE

Parts Breakdown | Schematic | Specifications

The BNG2800iE is a 3000 Watt (Max) / 2800 Watt (Rated), gasoline-powered inverter generator that is a great addition to our line of BN Products USA™ generators.

The compact design and enclosed case make this unit a convenient and lightweight power plant, that quietly produces stable power for your job site or recreational needs.



BN Products-USA™

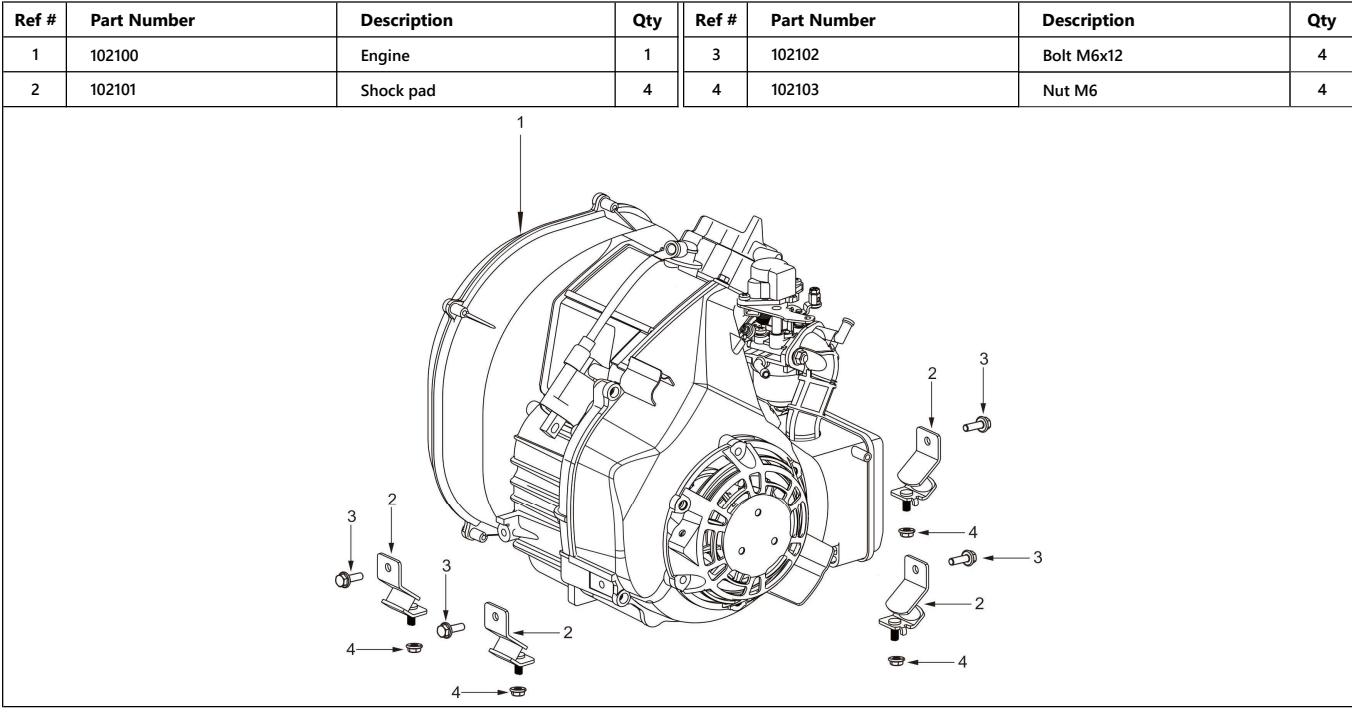
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Table of Contents	Page
Engine Mount	Figure 1 - 3
Fuel Tank	Figure 2 - 3
Muffler Shield	Figure 3 - 4
Left Shell Housing	Figure 4 - 4
Right Shell Housing	Figure 5 - 5
Inverter & Base Plate	Figure 6 - 5
Control Panel Assembly	Figure 7 - 6
Engine: Rotor/Stator	Figure 8 - 6
Engine: Head Sub-Assembly/Cylinder	Figure 9 - 7
Engine: Starter Pulley	Figure 10 - 8
Engine: Intake & Exhaust Valves	Figure 11 - 8
Engine: Crankshaft Assembly	Figure 12 - 9
Engine: Ignition Coil	Figure 13 - 9
Engine: Muffler	Figure 14 - 10
Engine: Crankcase	Figure 15 - 10
Engine: Carburetor	Figure 16 - 11
BNG2800iE Wiring Diagram (<i>Electrical Schematic</i>)	Figure 17 - 11
Technical Specifications	Figure 18 - 12

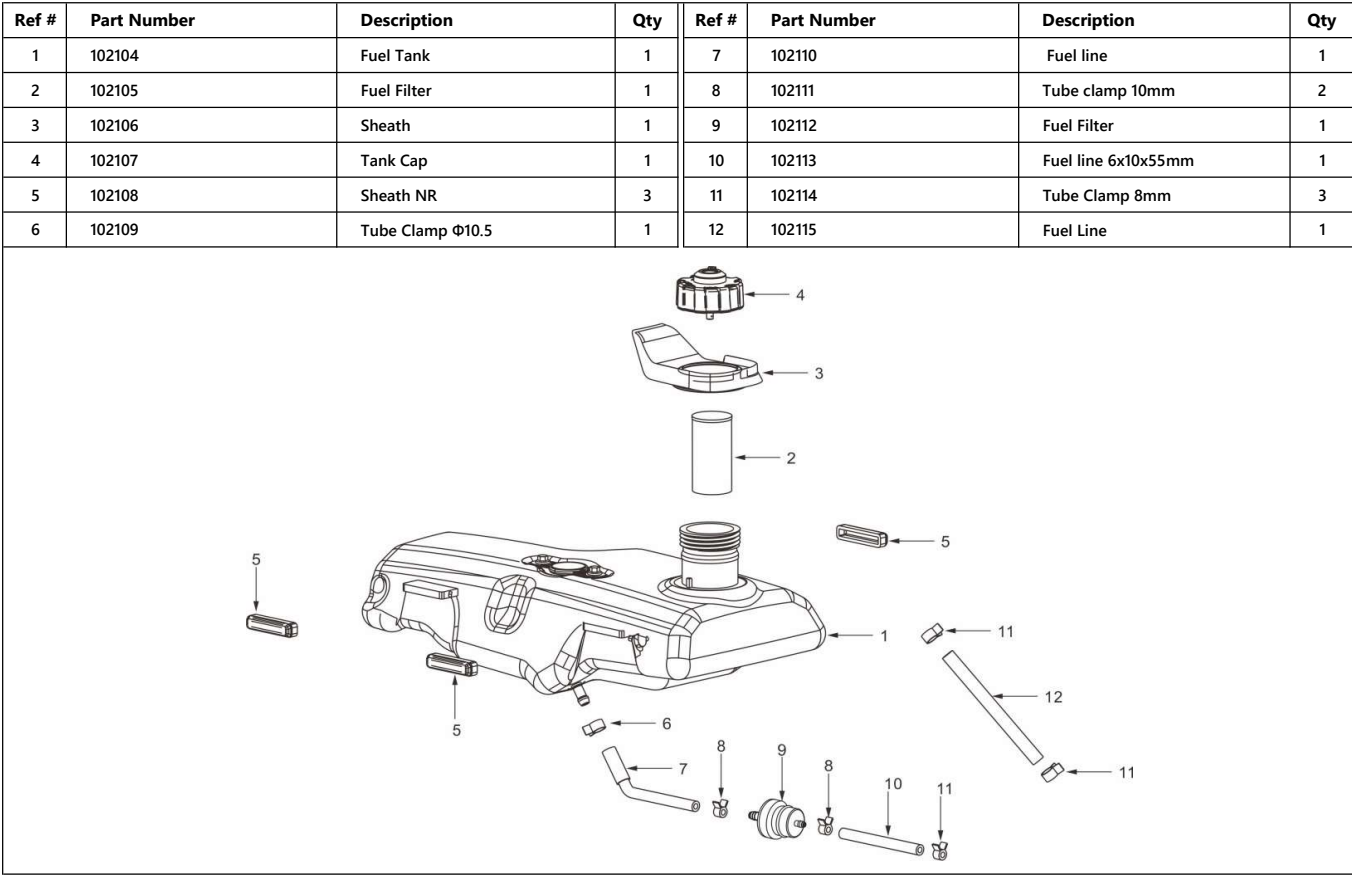
Engine Mount

Figure 1 - Engine Mount



Fuel Tank

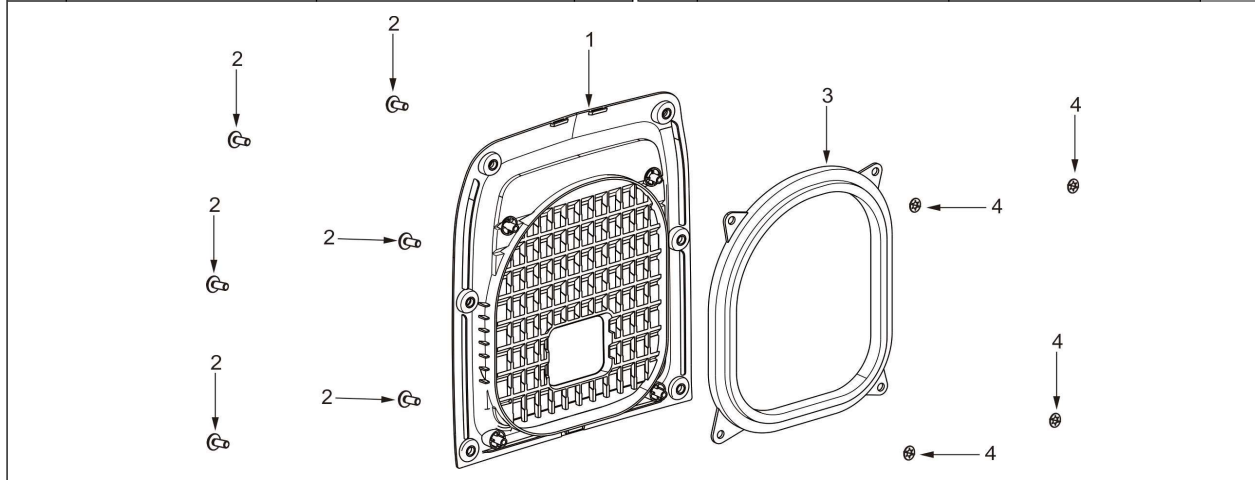
Figure 2 - Fuel Tank



Muffler Shield

Figure 3 - Muffler Shield

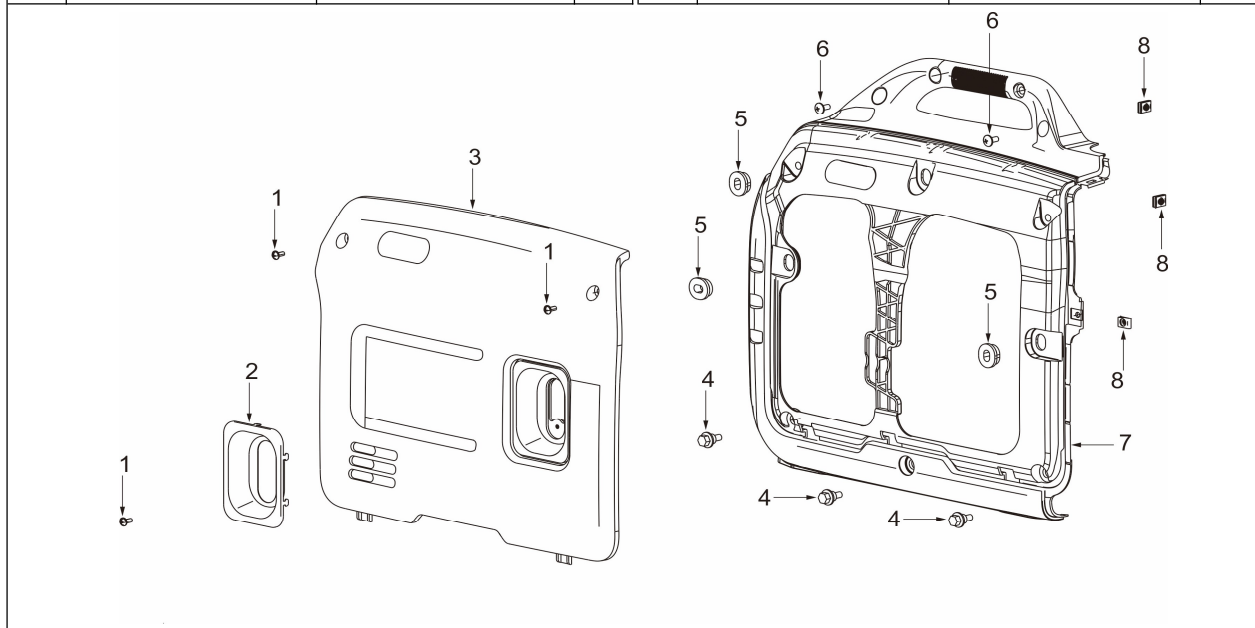
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102116	Muffler shield	1	3	102118	Muffler sealant sleeve	1
2	102117	Screw 5x16	6	4	102119	Plum Ring	4



Left Housing

Figure 4 - Left Housing

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102120	Screw 5x10	3	5	102124	Sheath	3
2	102121	Handle trim panel	1	6	102125	Screw 5x16	2
3	102122	Ornament shell	1	7	102126	Left shell	1
4	102123	Step bolts M6x16.5	3	8	102127	Nut M5	3



Right Housing

Figure 5 - Right Housing

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102128	Right shell	1	9	102136	Right exterior cover	1
2	102129	Cross recessed pan head screw 5x16	2	10	102137	Screw 5x10	2
3	102130	Nut M5	3	11	102138	Maintenance cover latch	2
4	102131	Sheath	1	12	102139	Screw 4x12	2
5	102132	Spark-plug outer cover	1	13	102140	Oil maintenance cover	1
6	102133	Anti loss rubber strip	1	14	102141	Air filter maintenance cover	1
7	102134	Sheath	3	15	102142	Maintenance cover handle	2
8	102135	Step bolts M6x16.5	3				

Inverter & Base Plate

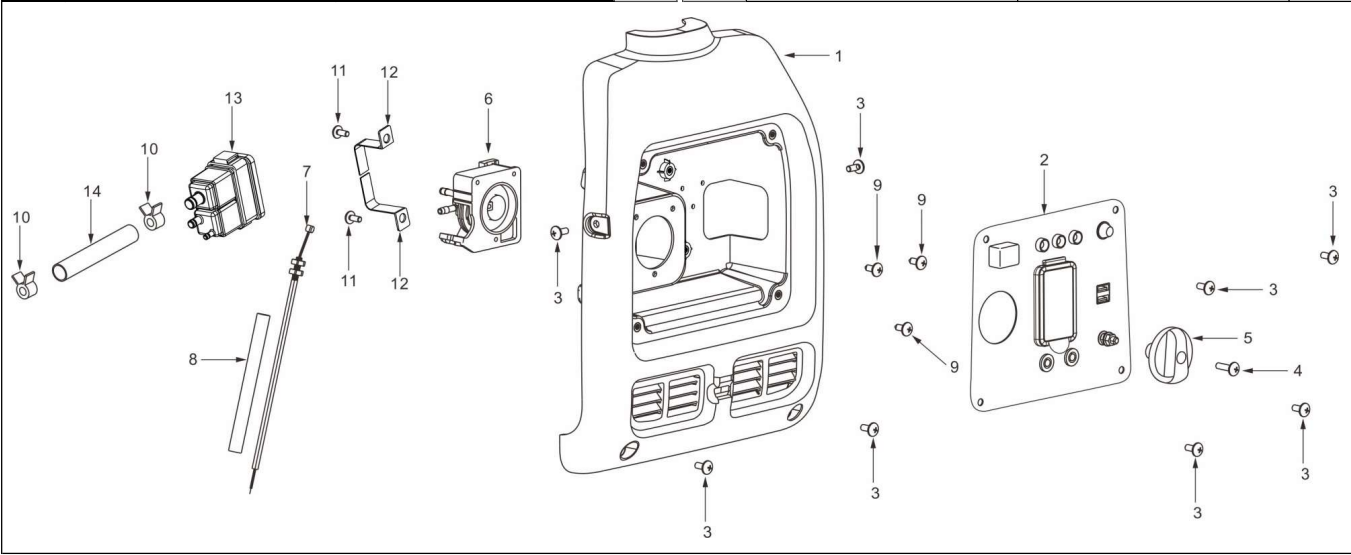
Figure 6 - Inverter & Base Plate

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102143	Base plate	1	8	102149	Ground wire	1
2	102144	Shock absorber (rear)	2	9	102150	INVERTER BRACKET A	1
3	102145	Shock absorber (front)	2	10	102151	INVERTER BRACKET B	1
4	102146	Bolt M6x18	4	11	102170	Bolt M6x12	4
5	102127	Nut M5	4	12	102117	Cross pan head screw 5x16	1
6	102147	Nut M6x20	6	13	102152	Shim 6x13x2	1
7	102148	Inverter	1				

Control Panel Assembly

Figure 7 - Control Panel Assembly

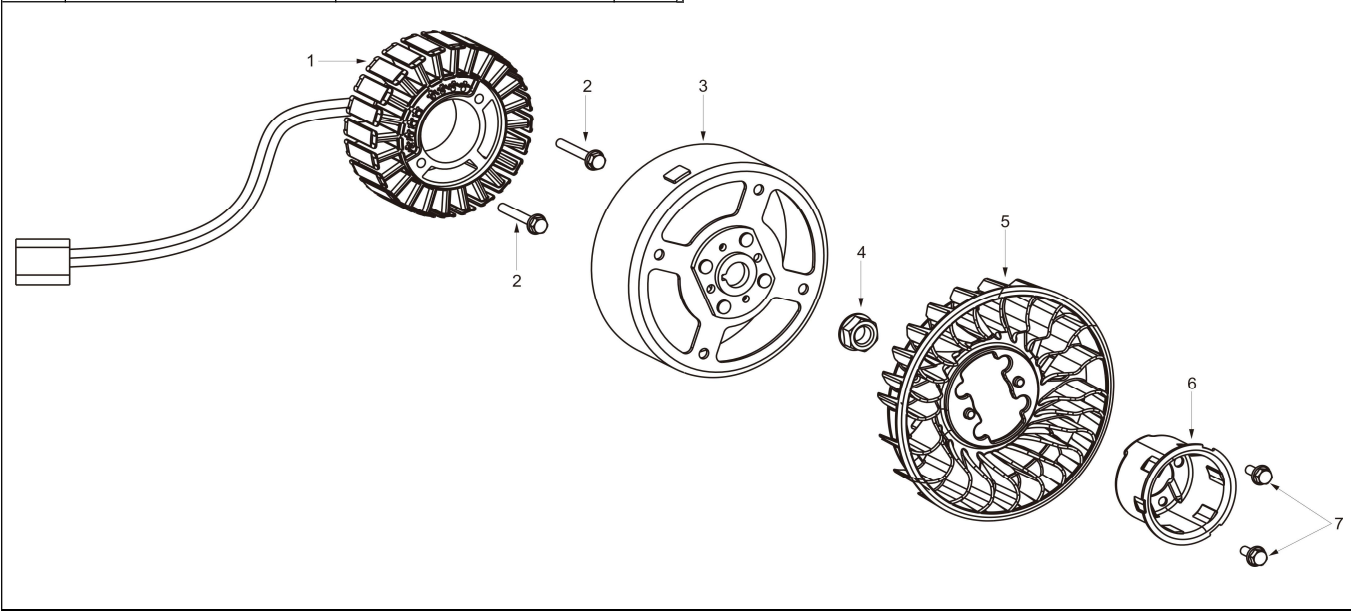
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102153	Front shell panel	1	8	102159	Sheath 6x320	1
2	102154	Control panel plate	1	9	102160	Cross countersunk head tapping screw 4.2x12	3
3	102117	Cross recessed pan head screw 5x16	8	10	102111	Tube Clamp/Ferrule 10mm	2
4	102155	Screw M4x14	1	11	102170	Bolt M6x12	2
5	102156	Three in one switch dial	1	12	102161	Carbon canister bracket	2
6	102157	Three in one control switch	1	13	102162	Carbon canister	1
7	102158	Cable guide	1	14	102163	Fuel vent tube	1



Engine: Rotor/Stator

Figure 8 - Engine: Rotor/Stator

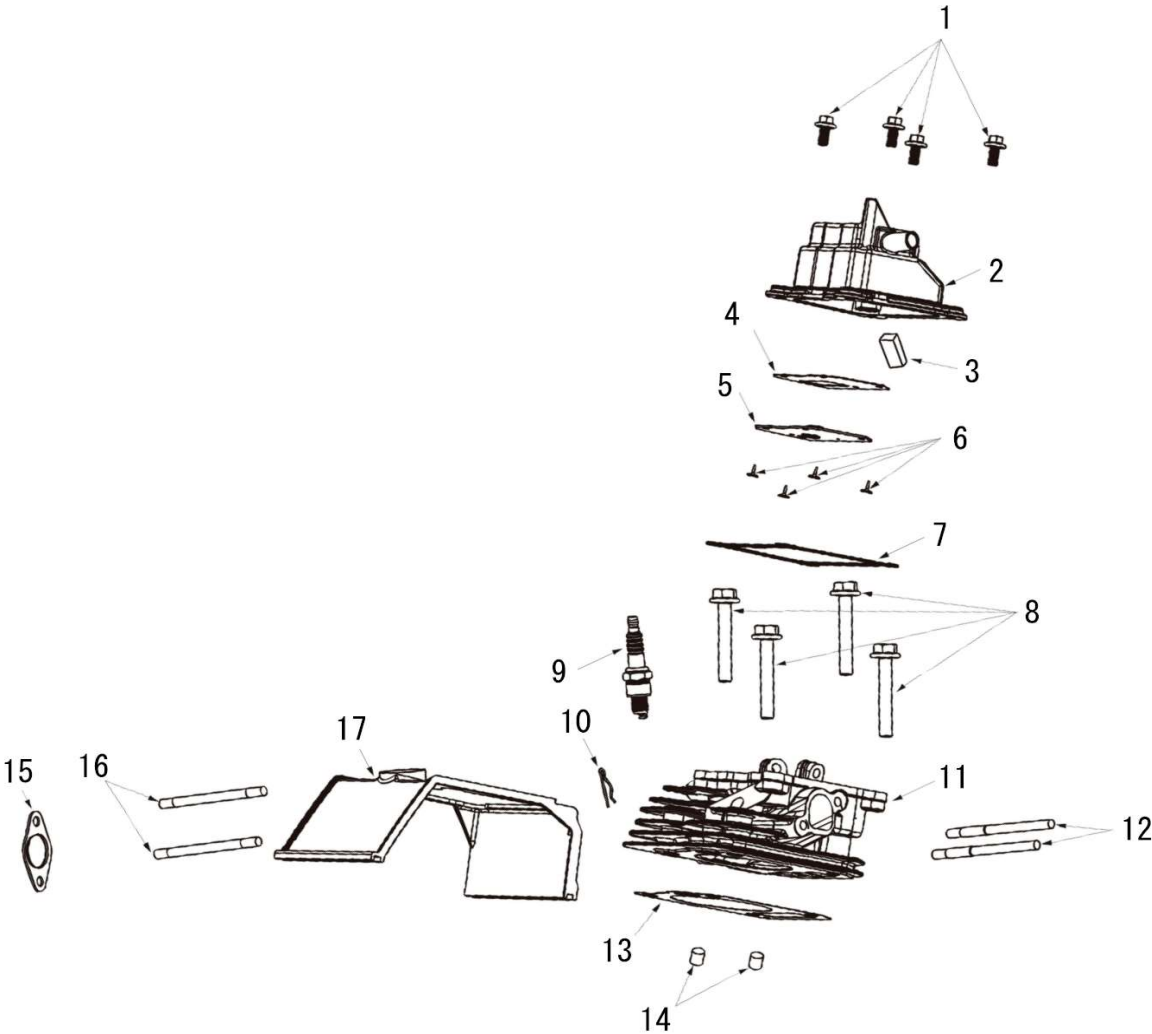
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102164	Motor stator	1	5	102168	Impeller	1
2	102165	Bolt M6x45	2	6	102169	Starter mount	1
3	102166	Rotor	1	7	102170	Bolt M6x12	2
4	102167	Stator	1				



Engine: Head Sub-Assembly/Cylinder

Figure 9 - Head Sub-Assembly/Cylinder

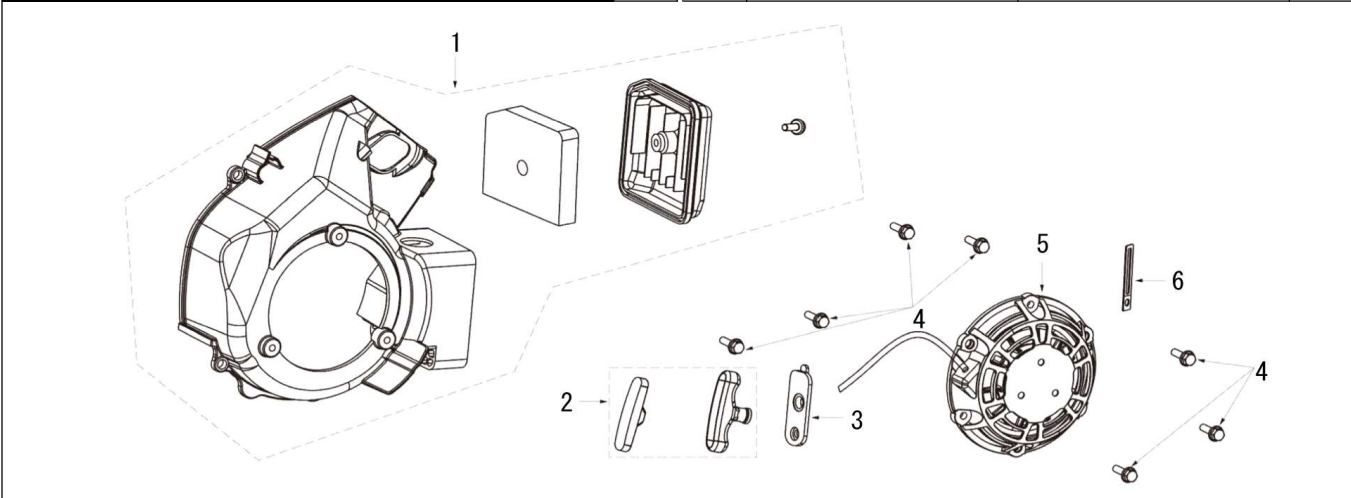
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102171	Bolt M6x18	4	10	102180	Piston Rod Rod Clip	1
2	102172	Cover subassembly,Cylinder	1	11	102181	Cylinder head	1
3	102173	Oil screen 45x25x12.5	1	12	102182	Stud bolt 9x60	2
4	102174	Breather gasket	1	13	102183	Cylinder head gasket	1
5	102175	Breather valve cover plate	1	14	102184	Pin	2
6	102176	Cross head screw 4x8	4	15	102185	Exhaust gasket	1
7	102177	Cylinder head cover	1	16	102186	Bolt M6x78	2
8	102178	Bolt M8x60	4	17	102187	Air deflector	1
9	102179	Spark plug	1				



Engine: Starter Pulley

Figure 10 - Starter Pulley

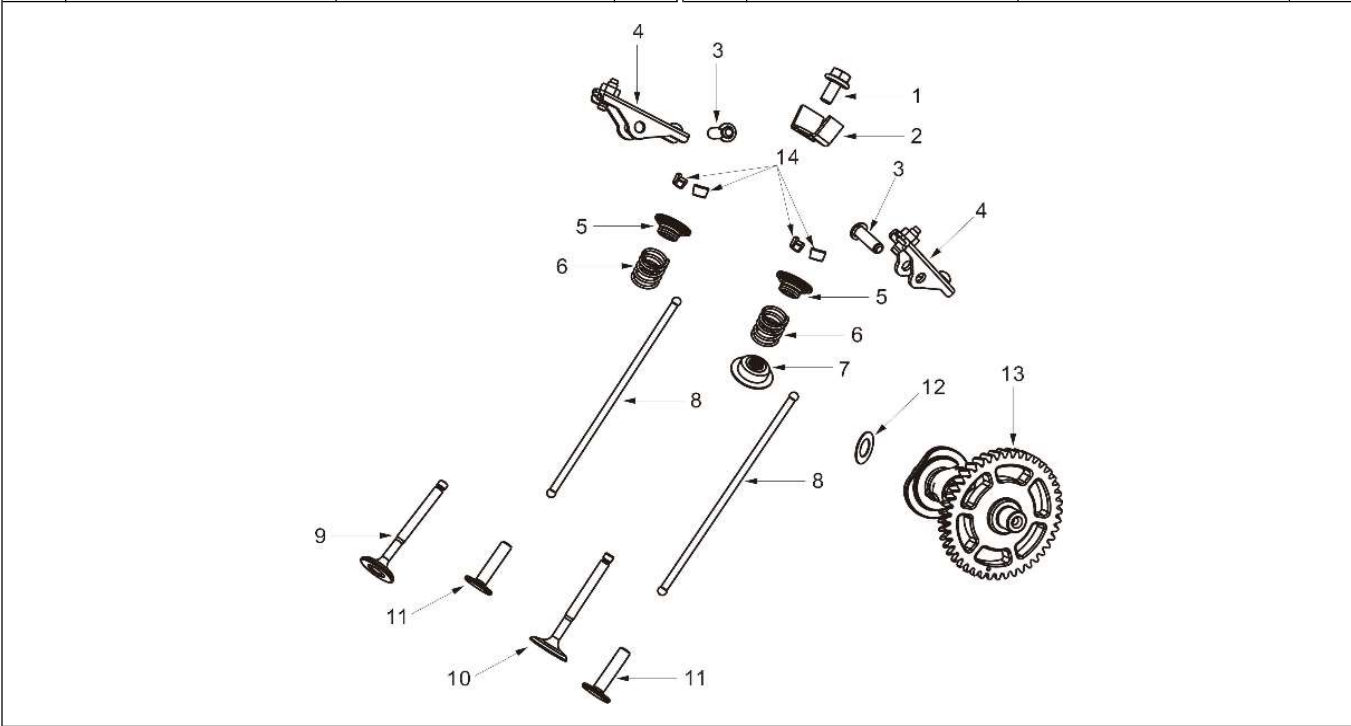
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102188	Air filter/cover	1	4	102191	Bolt M6x18	7
2	102189	Starting handle	1	5	102192	Pulley cover	1
3	102190	Handle cover plate	1	6	102193	Crimping board	1



Engine: Intake & Exhaust Valves

Figure 11 - Intake & Exhaust Valves

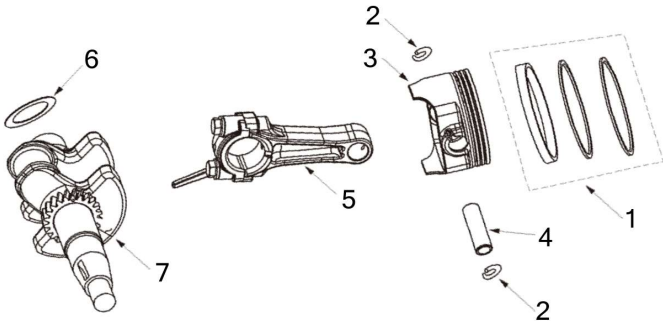
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102194	Bolt M6x10	1	8	102207	Push rod	2
2	102195	Rocker shaft stop	1	9	102208	Exhaust valve	1
3	102196	Rocker pin	2	10	102209	Intake valve	1
4	102197	Rocker arm assembly	2	11	102210	Tappet	2
5	102198	Intake and exhaust valve spring seat	2	12	102211	Wear resistant gasket	1
6	102199	Valve spring	2	13	102212	Camshaft components	1
7	102206	Oil baffle	1	14	102213	Valve clamp lock	4



Engine: Crankshaft Assembly

Figure 12 - Crankshaft Assembly

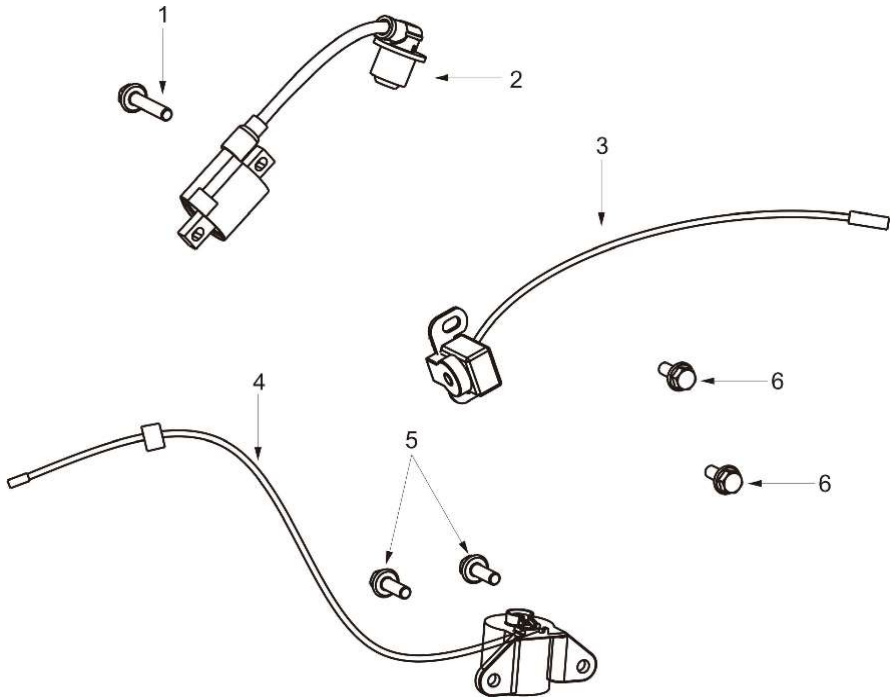
Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102214	Piston ring	1	5	102218	Connecting rod assembly	1
2	102215	Piston pin clip	2	6	102219	Washer 36 x 25.3 x 0.5	1
3	102216	Piston	1	7	102220	Crankshaft assembly	1
4	102217	Piston pin	1				



Engine: Ignition Coil

Figure 13 - Ignition Coil

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102221	Bolt	1	4	102224	Oil alarm sensor	1
2	102222	Ignition coil	1	5	102225	Bolt	2
3	102223	Trigger coil assembly	1	6	102170	Bolt	2



Engine: Muffler

Figure 14 - Muffler

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102226	Muffler cover (front)	1	5	102103	Lock Nut M6	2
2	102191	Bolt M6x18	3	6	102229	Muffler cover (rear)	1
3	102227	Muffler components	1	7	102230	Self tapping screw 4.2x16	5
4	102228	Bolt M6x40	1				

Engine: Crankcase

Figure 15 - Crankcase

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102231	Crankcase	1	7	102237	Lower air deflector	1
2	102232	Dipstick	1	8	102238	Crimping board	1
3	102233	Dowel pin 8x12	2	9	102170	Bolt M6x12	2
4	102234	Crankcase gasket	1	10	102239	Oil seal 25x41.25x6	1
5	102235	Bearing	1	11	102240	Bolt M6x25	7
6	102236	Crankcase cover	1				

Engine: Carburetor

Figure 16 - Carburetor

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	102241	Cross head screw 3x6	2	8	102248	Throttle shaft	1
2	102242	Stepper motor	1	9	102103	Lock Nut M6	2
3	102243	Exhaust pipe	1	10	102111	Tube Clamp 10mm	2
4	102244	Air intake gasket	1	11	102249	Fuel line tube	2
5	102245	Carburetor block	1	12	102112	Fuel filter	1
6	102246	Carburetor gasket	1	13	102250	Silicone protective sleeve	1
7	102247	Carburetor assembly	1	14	102251	Ribbon tube clamp 8.5mm	1

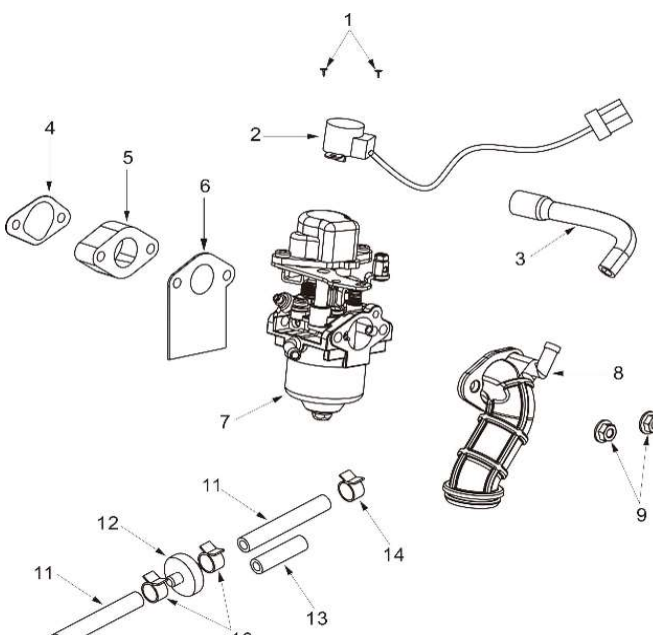
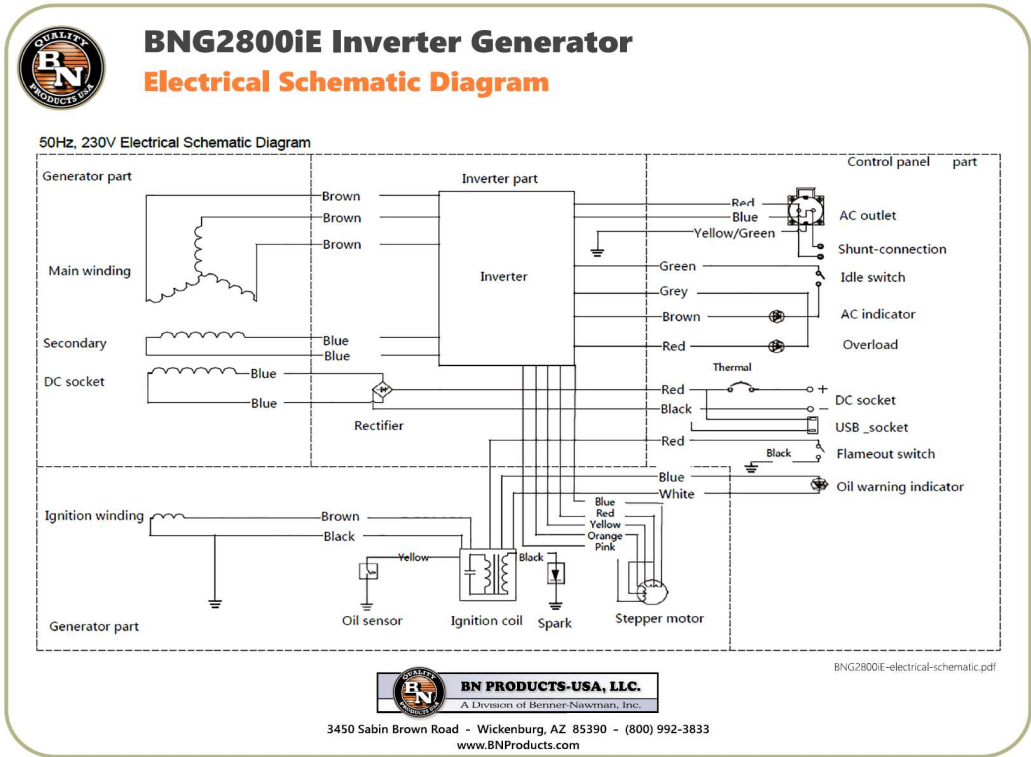


Figure 17 - Electrical Schematic



BNG2800iE Technical Specifications

Power (Max)	3000 Watts
Power (Rated)	2800 Watts
Voltage & Frequency	120V 60Hz single-phase
Outlets & Receptacles	(1) Duplex GFCI (20A) NEMA 5-20R (1) 3-Prong Twist Lock (23A) NEMA L5-30R
Runtime	5 Hours (100% Load) / 9+ Hours (50% Load)
Fuel Capacity	1 Gallon (3.8 L)
Dimensions	[LxWxH] 19" x 11.4" x 17" (48.26 x 29.96 x 43.18 cm)
Unit Weight	47 lbs. (21.32 kg)
EPA Certified	Yes
CARB Certified	Yes
Sound Level	58.0 dBA @ 23' (7m)

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