



BN Products USA™ Customer Service (800) 992-3833

BNG5500iE

5000 Watt-rated Gasoline Inverter Generator

Parts Guide

Parts Breakdown

Schematic

Specifications



BNG5500iE
BN PRODUCTS-USA, LLC.

INVERTER GENERATOR
5500 STARTING WATTS / **5000** RUNNING WATTS



The new BNG5500iE Inverter Generator is a portable, quiet, enclosed-frame Inverter Generator, producing a top output of 5500 Watts (5000-Watts rated).

This unit features a retractable handle, and a plus-sized wheel kit for easy portability on job sites or recreational/RV use, and includes a remote starter.



BN Products-USA™

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Parts Breakdown | BNG5500iE Inverter Generator

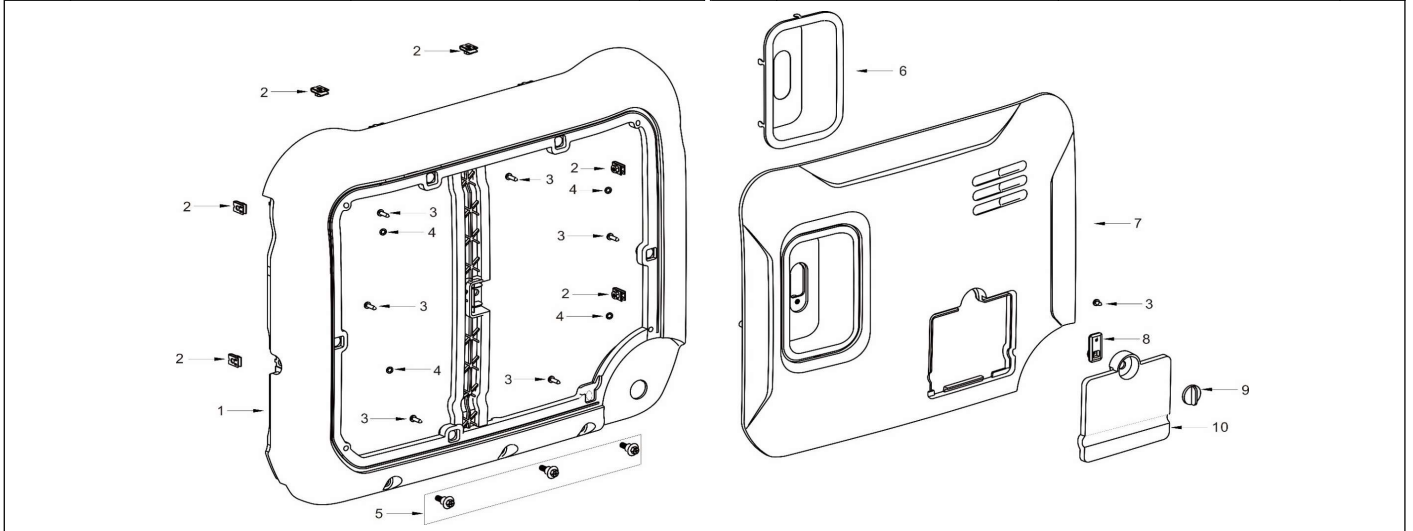
Inverter Generator Spare Parts List

Right Housing

(See Figure 1)

Figure 1 - Right Housing

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	2222.528.001V.00.00	Right shell panel	1	6	7495.528.001V.00.00	Handle cover	1
2	6178.05000.01.04	Nut M5	6	7	5596.528.0010.P4.00	Right side housing panel	1
3	0845.42013.00.01	Self tapping screw M4 2x13	7	8	6542.528.001V.00.00	Maintenance panel latch	1
4	5598.467.001V.00.00	Plum hold retaining ring	4	9	6378.528.001V.00.00	Maintenance panel knob	1
5	4789.467.001V.00.00	Bolt M6X16.5	3	10	1142.528.0010.P4.00	Oil maintenance panel	1

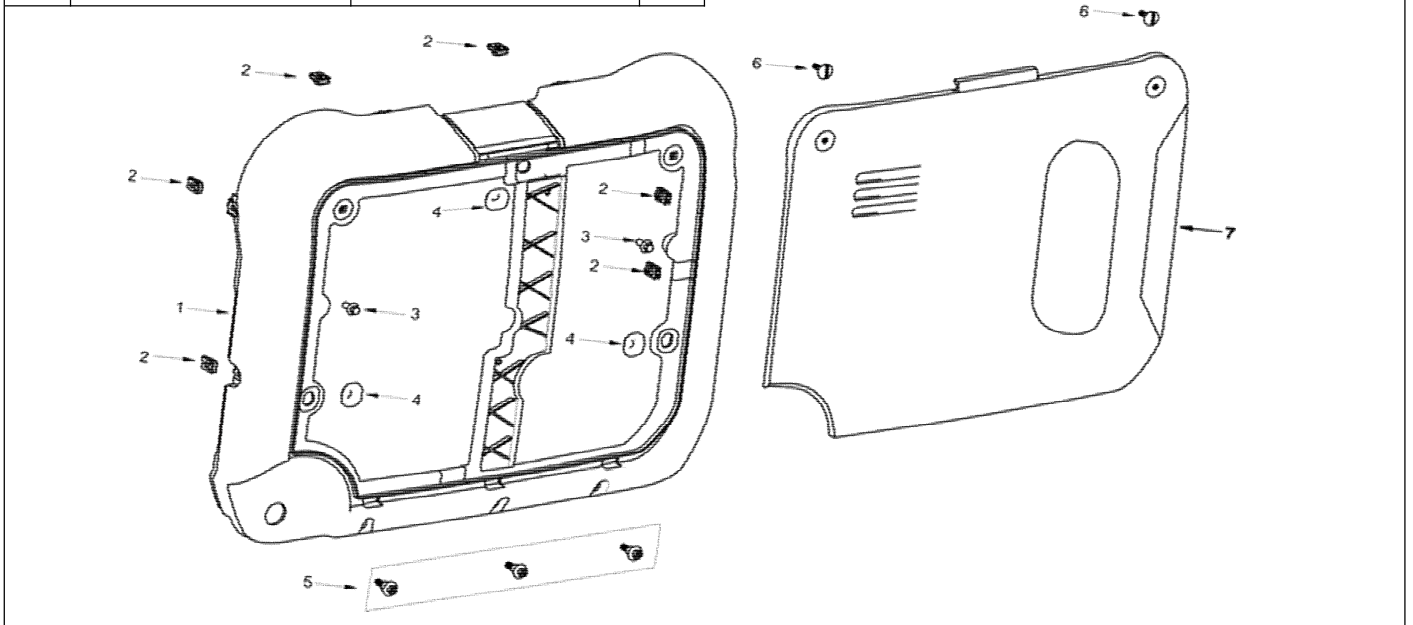


Left Housing

(See Figure 2)

Figure 2 - Left Housing

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	2220.528.001V.00.00	Left shell panel	1	5	4789.467.001V.00.00	Bolt M6x16.5	3
2	6178.05000.01.04	Nut M5	6	6	5424.528.001V.00.00	Slotted half round head screw	2
3	5787.06012.00.01	Bolt M6x12	2	7	5596.528.0020.P4.00	Left side housing panel	1
4	5522.467.002V.00.00	Oil tank support pad	3				



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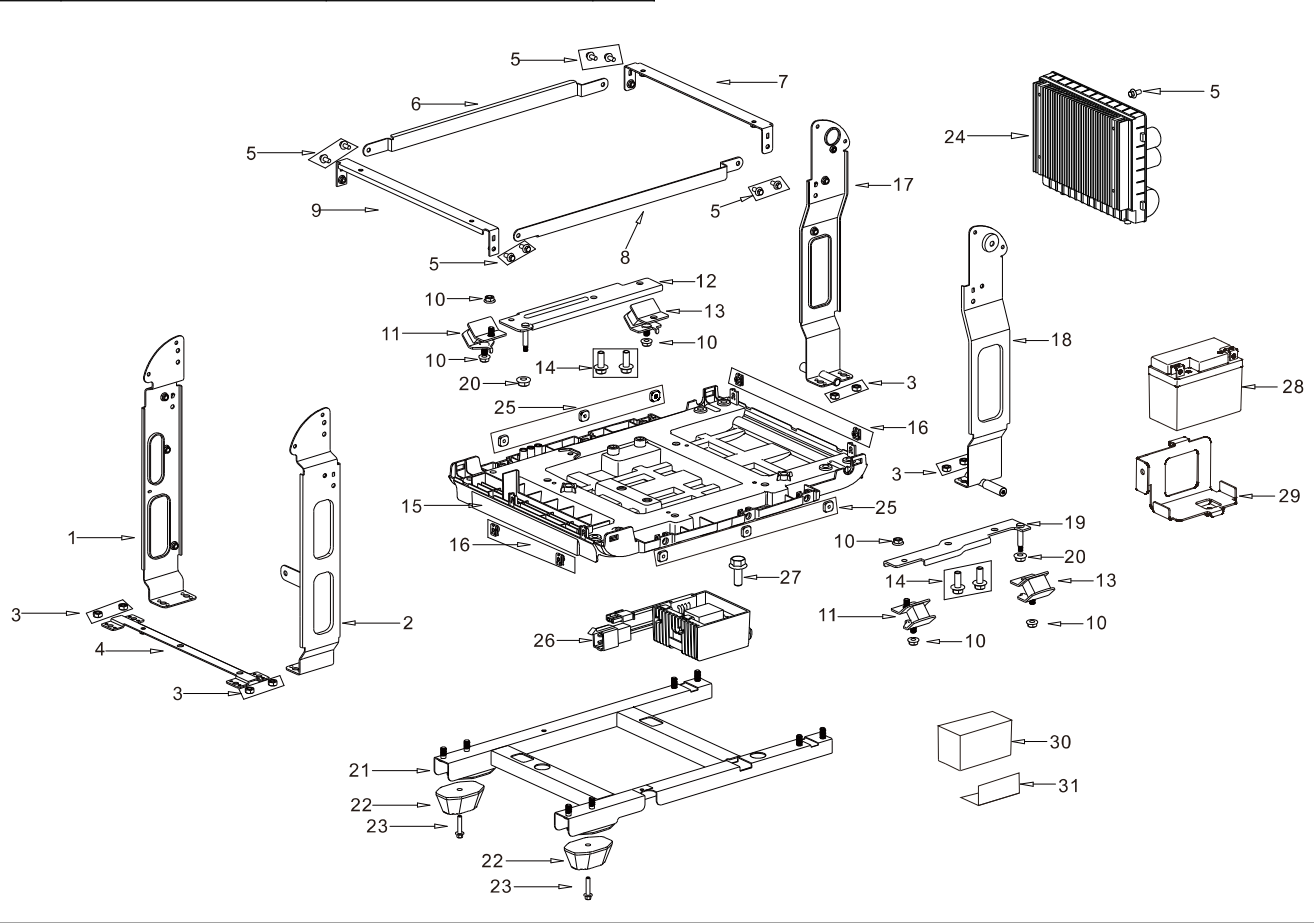
Inverter Generator Spare Parts List

Frame

(See Figure 3)

Figure 3 - Frame

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	4863.528.0011.00.00	Left bracket 1	1	17	4863.528.002V.00.00	Left bracket 2	1
2	4863.528.0031.00.00	Right bracket 1	1	18	4863.528.004V.00.00	Right bracket 2	1
3	6170.08000.00.07	Nut M8	8	19	3340.528.002V.00.00	Fixed base plate 2	1
4	9727.528.001V.00.00	Front cross bar	1	20	6177.06000.00.01	Nut M6	2
5	5787.06012.00.01	Bolt M6x12	9	21	6353.528.0011.00.00	Frame bottom bracket	1
6	2999.528.001V.00.00	Left rail	1	22	3350.528.001V.00.00	Shock absorber seat	2
7	7174.528.002V.00.00	Fuel tank rear bracket	1	23	5787.06025.00.01	Bolt M6x25	2
8	2999.528.002V.00.00	Right rail	1	24	2470.528.0110.00.00	Inverter	1
9	7174.528.001V.00.00	Fuel tank front bracket	1	25	5926.467.001V.00.00	Square nut M6	6
10	6177.08000.00.01	Nut M8	6	26	6854.528.0021.00.00	Voltage regulating rectifier	1
11	3360.487.001V.00.00	Damping pad	2	27	5787.06016.00.01	Bolt M6x16	1
12	3340.528.001V.00.00	Fixed base plate 1	1	28	2461.188.001V.00.00	Battery	1
13	3360.528.001V.00.00	Damping pad	2	29	4885.528.001V.00.00	Battery holder	1
14	5787.10025.05.01	Bolt M10x25	4	30	4440.528.0010.00.00	Canister	1
15	3340.528.0031.00.00	Frame floor	1	31	4441.528.0020.D7.00	Carbon tank bracket	1
16	6178.05000.01.04	Clip nut M5	4				



Parts Breakdown | BNG5500iE Inverter Generator

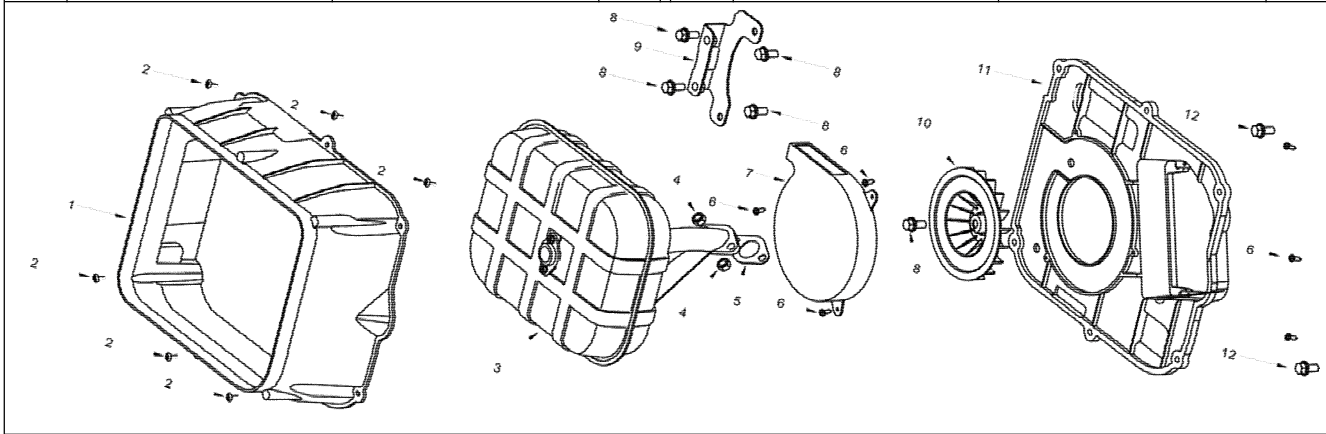
Inverter Generator Spare Parts List

Muffler Assembly

(See Figure 4)

Figure 4 - Muffler Assembly

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	2402.528.001V.00.00	Muffler cover	1	7	2030.528.0011.63.12	Fan hood	1
2	5787.05016.00.01	Bolt M5X16	6	8	5787.08016.00.01	Bolt M8x16	5
3	2400.528.001V.00.00	Muffler assembly	1	9	1689.528.001V.00.00	Muffler mounting bracket	1
4	6170.08000.00.01	Hexagon nut M8	2	10	2030.F80.001V.00.00	Fan	1
5	3100.188.004V.00.00	Muffler gasket	1	11	9757.528.001V.00.00	The muffler housing base	1
6	0845.42013.00.07	Self tapping screw M4 2x13	6	12	5787.06016.00.01	Bolt M6x16	2

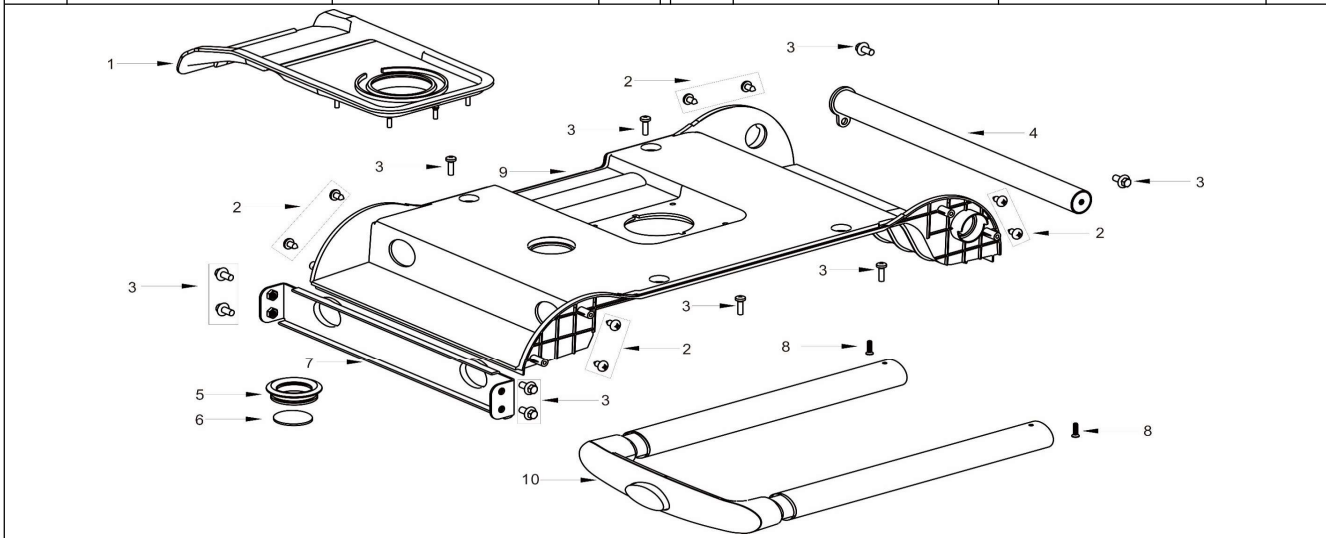


Handle & Upper Shell

(See Figure 5)

Figure 5 - Handle & Upper Shell

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	3200.528.001V.00.03	Oil fill bracket	1	6	8787.528.001V.00.00	Oil level window lens	1
2	0845.42016.00.07	Self tapping screw M4 2x16	8	7	9577.528.001V.00.00	Pull handle support frame	1
3	5787.06012.00.01	Bolt M6x12	10	8	0845.35095.00.07	Self tapping screw M3 5x9.5	2
4	3330.528.0010.00.00	Handrail	1	9	9674.528.001V.00.00	Upper shell	1
5	9988.528.001V.00.00	Oil level window rubber seal	1	10	9874.528.0040.00.00	Pull handle assembly	1



Parts Breakdown | BNG5500iE Inverter Generator

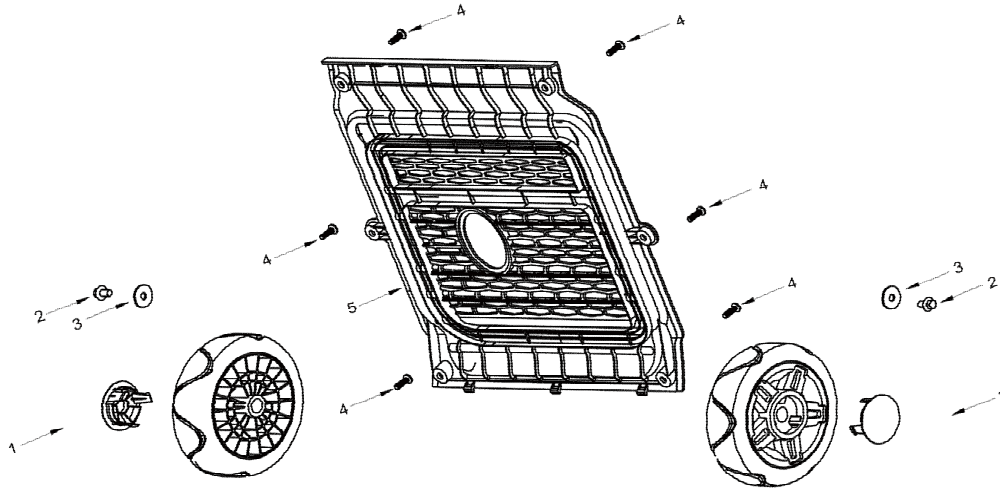
Inverter Generator Spare Parts List

Tail Cover

(See Figure 6)

Figure 6 - Tail Cover

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	7390.528.001V.00.00	Front wheel	2	4	0818.05016.00.07	Cross large pan head screw M5x6	6
2	5787.06012.00.01	Bolt M6x12	2	5	2435.528.0011.00.00	Muffler side cover	1
3	4100.460.R001V.20.00	Flat washer 6x25x1.5	2				

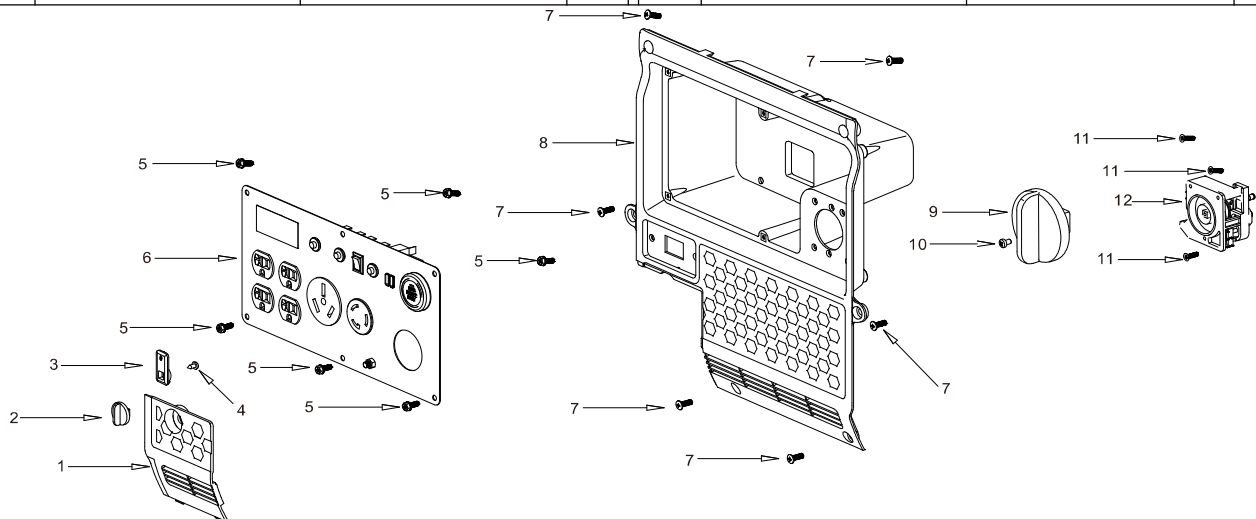


Control Panel

(See Figure 7)

Figure 7 - Control Panel

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	8748.528.001V.00.00	Battery door	1	7	0818.05016.00.07	Cross large pan head screw 5x16	6
2	6378.528.001V.00.00	Battery door latch	1	8	6655.528.0011V.00.00	Panel seat	1
3	6542.528.001V.00.00	Stop block	1	9	2141.467.001V.P4.00	Three-in-one switch dial	1
4	0845.42010.00.07	Self tapping screw M4 2x10	1	10	0818.04014.00.01	Cross pan head screw 4x14	1
5	0818.05010.00.07	Cross pan head screw 5x10	6	11	0819.04212.00.01	Self tapping screw M4 2x12	3
6	3370.528.0460.00.99	Control panel front plate	1	12	2140.464.001V.00.00	Three-in-one switch	1



Parts Breakdown | BNG5500iE Inverter Generator

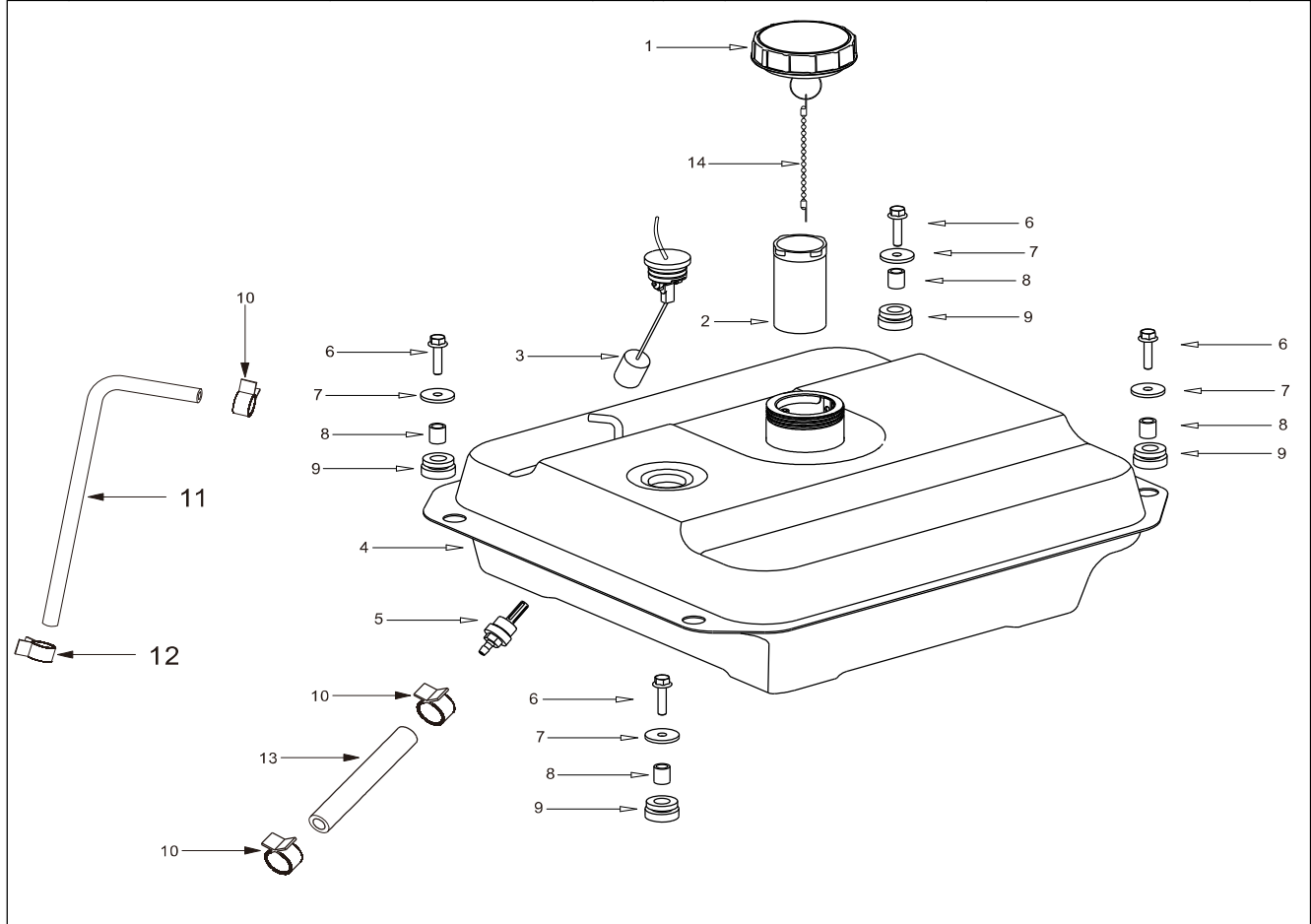
Inverter Generator Spare Parts List

Fuel Tank

(See Figure 8)

Figure 8 - Fuel Tank

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	3200.487.C011.04.01	Fuel tank cap	1	8	3213.460.001V.00.00	Tank bushing	4
2	3200.168.075V.00.05	Fuel filter screen	1	9	3217.460.001V.00.00	Fuel tank mounting pad	4
3	3200.528.0010.00.06	Fuel level sensor	1	10	2360.458.R002V.00.00	Ferrule	3
4	3200.528.C010.D7.00	Fuel Tank	1	11	2330.528.C080.00.00	Fuel evaporation collection tube	1
5	3206.168.R001V.00.00	Fuel tank outlet nozzle	1	12	2360.458.R007V.00.00	Ferrule	1
6	5787.06025.00.01	Bolt M6x25	4	13	2330.528.C050.00.21	Fuel line	1
7	4100.460.R001V.20.00	Flat washer 6x25x1.5	4	14	3200.487.004V.00.02	Fuel cap chain	1



Parts Breakdown | BNG5500iE Inverter Generator

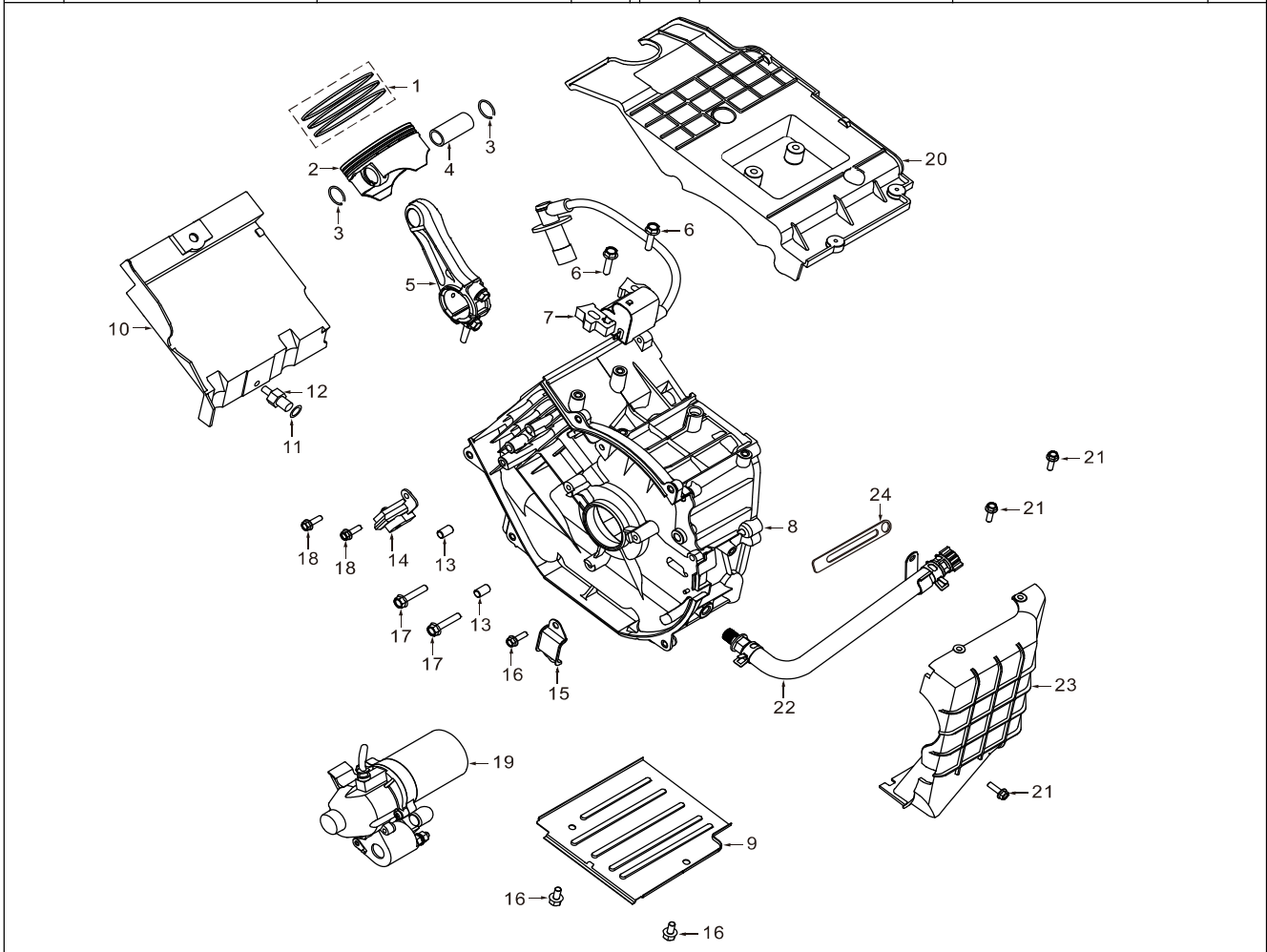
Inverter Generator Spare Parts List

Engine: Crankcase

(See Figure 9)

Figure 9 - Crankcase

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	0210.180.X01V.00.00	Piston ring assembly	1	13	3170.168.R001V.00.00	Set pin	2
2	0200.F80.001V.00.00	Piston	1	14	1521.F80.001V.00.00	Trigger	1
3	0230.168.001V.00.00	Piston pin clip	2	15	2090.F80.001V.00.00	Crimping board	1
4	0220.F80.001V.00.00	Piston pin	1	16	5787.06014.00.01	Bolt M6x14	3
5	0190.F80.001V.00.00	Connecting rod assembly	1	17	5789.06028.00.01	Bolt M6x28	2
6	5787.06025.00.01	Bolt M6x25	2	18	5789.05016.00.07	Bolt M5x16	2
7	2100.F80.001V.00.00	Ignition Coil	1	19	2070.F80.A040.00.00	Starter	1
8	1000.F80.0011.00.00	Crankcase body	1	20	8654.F80.0011.00.00	Crankcase cover	1
9	3340.F80.001V.00.00	Engine floor	1	21	5787.06018.00.01	Bolt M6x18	3
10	6985.F80.0020.00.00	Cylinder head cover	1	22	2330.F80.001V.00.00	Oil drain pipe	1
11	1260.168.R001V.66.00	Oil drain gasket	2	23	2783.F80.0020.00.00	Starter motor cover	1
12	1250.F80.0011.00.20	Oil plug M10x1.25x15	2	24	1220.528.R0010.00.00	Tension disc	1



Parts Breakdown | BNG5500iE Inverter Generator

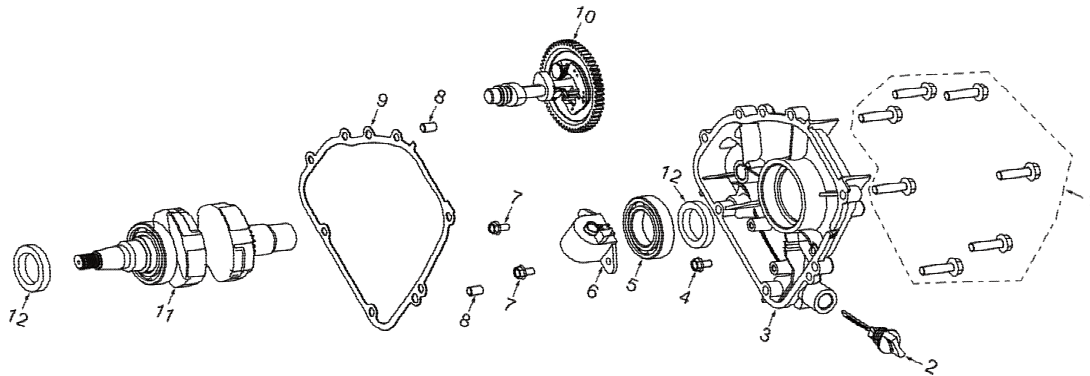
Inverter Generator Spare Parts List

Engine: Crankcase Cover

(See Figure 10)

Figure 10 - Crankcase Cover

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	5787.08035.00.01	Bolt M8x35	7	7	5787.06014.00.01	Bolt M6x14	2
2	1230.F80.001V.00.00	Oil gauge	1	8	3170.168.R001V.00.00	Set pin	2
3	1010.F80.0031.00.00	Crankcase cover	1	9	3040.F80.0011.00.00	Crankcase Gasket	1
4	5789.06010.00.01	Bolt M6x10	1	10	1040.F80.0010.60.00	Camshaft assembly	1
5	0270.173.005V.00.00	Ball bearing	1	11	0180.F80.0030.61.00	Crankshaft assembly	1
6	1020.164.0011.00.00	Oil level alarm sensor	1	12	3150.173.001V.00.00	Oil seal	2

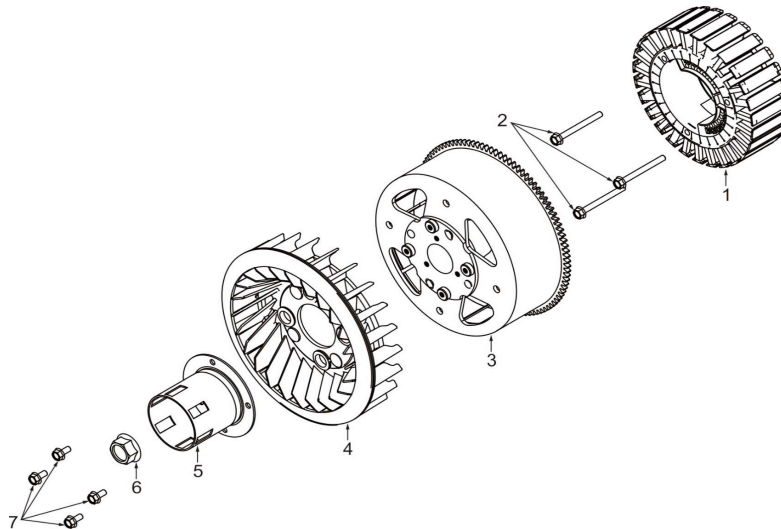


Engine: Rotor Assembly

(See Figure 11)

Figure 11 - Rotor Assembly

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	4000.528.0030.00.02	Stator	1	5	2020.F80.002V.00.00	Starting sleeve	1
2	5787.06065.00.01	Bolt M6x65	3	6	6177.14000.06.01	Nut M14x1.5	1
3	4000.528.001V.00.01	Rotor	1	7	5787.06014.00.01	Bolt M6x14	4
4	2030.528.0010.63.11	Flywheel fan	1				



Parts Breakdown | BNG5500iE Inverter Generator

Inverter Generator Spare Parts List

Engine: Cylinder Head

(See Figure 11)

Figure 11 - Cylinder Head

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	5787.06025.00.01	Bolt M6x25	4	10	2160.168.006V.00.00	Spark plug	1
2	0001.F80.001V.00.01	Cylinder head cover	1	11	0900.06102.00.01	Bolt M6x102	2
3	2370.F80.001V.00.00	Exhaust pipe	1	12	R0900.08032.00.01	Bolt M8x32	2
4	7061.F80.001V.00.00	Breather valve plate assembly	1	13	0010.F80.001V.00.00	Cylinder head	1
5	7061.F80.002V.00.00	Breather valve pad	1	14	3170.188.002V.00.00	Set pin	2
6	5789.05010.00.07	Bolt M5x10	1	15	3020.F80.0020.00.00	Gasket, Cylinder head	1
7	3000.F80.001V.00.00	Cylinder head cover pad	1	16	5787.06018.00.01	Bolt M6x18	2
8	2190.F80.0012.00.00	Cylinder guide hood	1	17	2781.F80.0011.00.00	Cylinder head cover	1
9	5787.10075.05.10	Bolt M10x1.25x75	4	18	7080.165.001V.00.00	Fuel filter	1

Engine: Starter

(See Figure 12)

Figure 12 - Starter

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	2000.F80.0011.00.01	Starter hood	1	5	2000.T70.0020.00.02	Pull plate	1
2	5787.06018.00.01	Bolt M6x18	5	6	5787.06014.00.01	Bolt M6x14	4
3	2000.T70.001V.00.03	Starter handle	1	7	1220.528.R0020.00.00	Tension disc	1
4	2186.T48.001V.00.00	Handle cover	1	8	7495.528.0020.00.00	Cord housing trim	1

Parts Breakdown | BNG5500iE Inverter Generator

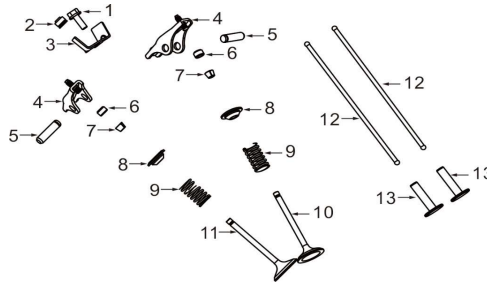
Inverter Generator Spare Parts List

Engine: Intake & Exhaust Valves

(See Figure 13)

Figure 13 - Intake & Exhaust Valves

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	5787.06014.00.01	Bolt M6x14	1	8	0060.165.0020.00.00	Valve spring seat	2
2	0085.165.001V.00.00	Oil seal - Intake valve	1	9	0040.F80.001V.00.00	Valve spring	2
3	0107.F70.020V.00.00	Rocker shaft stop	1	10	0030.F80.001V.00.00	Exhaust valve	1
4	0100.F80.001V.00.00	Rocker assembly	2	11	0020.F80.001V.00.00	Intake valve	1
5	0105.K92.001V.00.00	Rocker shaft	2	12	0160.F80.001V.00.00	Push rod	2
6	0090.168.001V.00.00	Valve top cap	2	13	1030.F68.001V.00.00	Tappet	2
7	1120.165.0020.00.00	Valve lock clip	2				

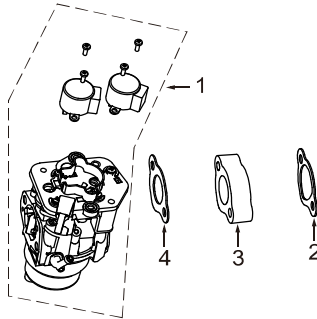


Engine: Carburetor

(See Figure 14)

Figure 14 - Carburetor

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	2260.F80.0031.00.00	Carburetor assembly	1	3	2300.F80.001V.00.00	Carburetor block	1
2	3060.F80.001V.00.00	Inlet port gasket	1	4	3080.F80.001V.00.00	Carburetor gasket	1

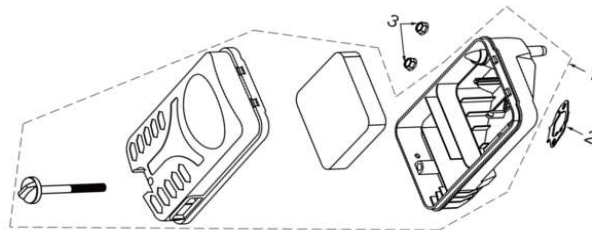


Engine: Air Filter

(See Figure 15)

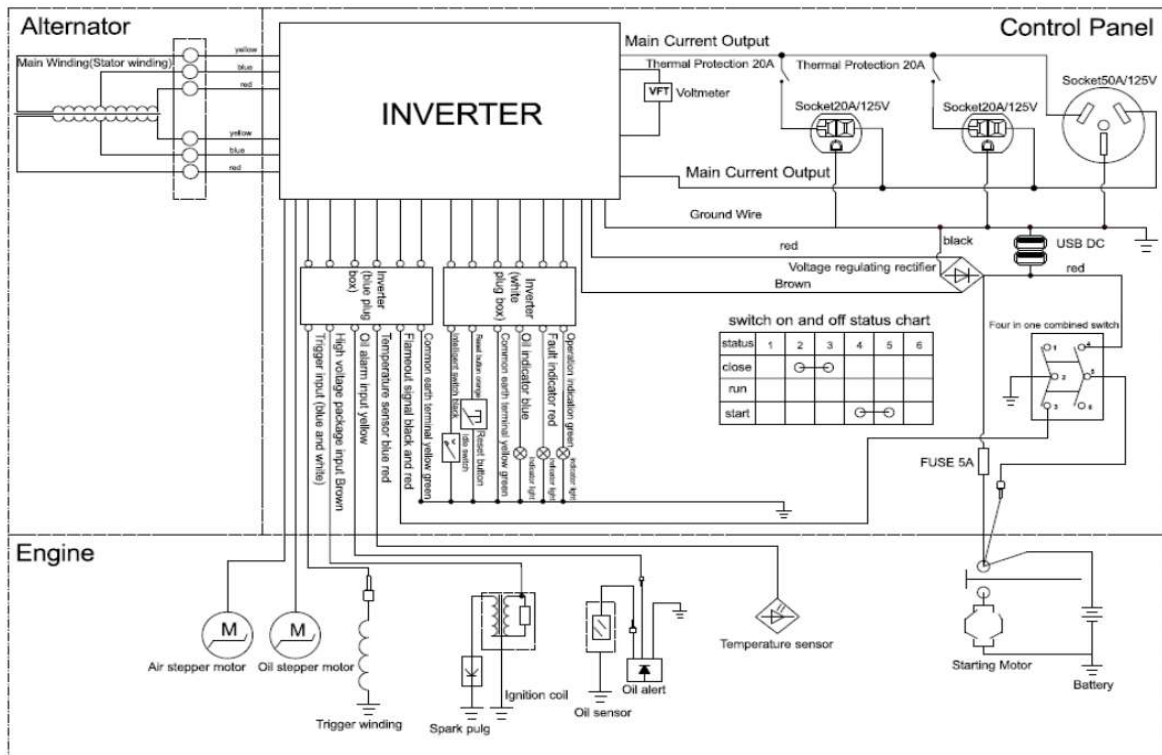
Figure 15 - Air Filter

Ref #	Part Number	Description	Qty	Ref #	Part Number	Description	Qty
1	2280.F80.0020.00.00	Air Filter assembly	1	3	6177.06000.00.01	Nut M6	2
2	3095.168.001V.00.00	Air Filter gasket	1				



Parts Guide | BNG5500iE Wiring Diagram

(Figure 16)



BNG5500iE-Electrical-Diagram-Rev-7-2022

Parts Guide | BNG5500iE Specifications

(Figure 17)

BNG5500iE Portable Inverter Generator (Gasoline)	
Frequency	60Hz
Power Rated / Power Max	5.0kW / 5.5kW
Rated Voltage (AVR)	120V/240V Single Phase
Fuel Tank Capacity	3.6 Gallons (13.6L)
Oil Capacity	0.84 Quarts
Outlets	(1) 120V (20A) GFCI Duplex
	(1) 120V/240V (30A) NEMA L14-30R
	(1) USB 1.0/2.0 Type A; 1 - USB 3.0/3.1 Type C
Run Time at 50% Load (Hrs/tank)	8.5+ hours
Run Times at 100%	4+ hours
Electronic Display	Digital Smart LCD
Certifications	EPA - CARB - CE - EU5
Unit Dimensions	24" X 18.5" X 21" (610mm x 470mm x 535mm)
Unit Weight	114.6 lbs (52 Kgs)
Sound Level	62.0 dB(A) @ 7m (23 ft.)
Engine	8.8 Hp DK180F/P
Wheel Kit	Included

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