



BN PRODUCTS-USA, LLC.

Quality Construction Tools

3600 Watt Inverter Generator

BNG4000iD Spare Parts Guide



The BNG4000iD is an open-frame, gasoline-powered inverter generator. This model features a wireless remote starter key fob, as well as pull starting. This lightweight unit produces a stable, maximum 4000W (3600W rated) output, and includes (1) GFCI-protected Duplex 120V / 20A outlet, (1) 3-prong twist-lock 30A outlet, and (1) 12V 8.3A receptacle. Standard safety features such as Automatic Shut-off, Low Oil Indicator, and covered receptacles are included.

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Rev 11/8/2021

Parts Breakdown | BNG4000iD Inverter Generator

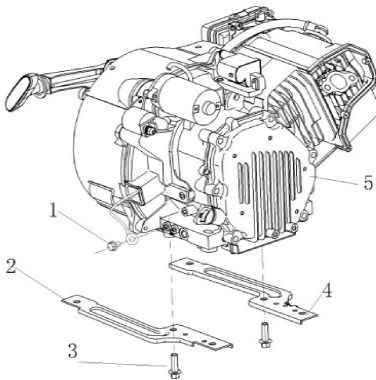
Inverter Generator Spare Parts List

Engine Parts

(See Figure 1)

Figure 1 - Engine

Ref #	Part Number	Description	Qty
1	91101-0612-00100	Hex Flange Bolt	1
2	41102-G220020-H0200	Engine Mounting Bracket (L)	1
3	91101-0820-00100	Hex Flange Bolt	1
4	41102-G220010-H0200	Engine Mounting Bracket (R)	1
5	H225iD	H225iD Engine	1

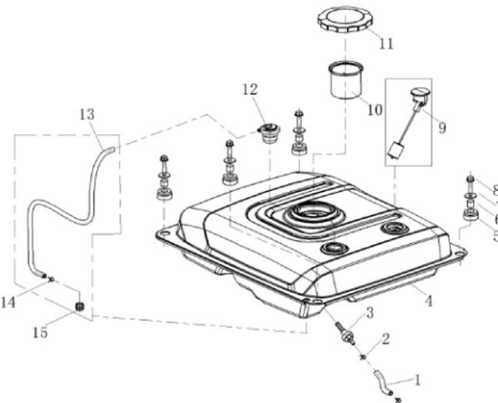


Fuel Tank Parts

(See Figure 2)

Figure 2 - Fuel Tank

Ref #	Part Number	Description	Qty
1	25130-G170010-00010	Oil tube	1
2	95206-G290020-00000	Collar	3
3	25180-E010010-00000	Oil Outlet Nozzle Assembly	1
4	25140-G170010-C0100	Fuel Tank Assembly	1
5	25101-G020010-00000	Oil Tank Damping Pad	4
6	25103-G020010-00000	Bushing	4
7	93120-G050010-00000	Tank Gasket	4
8	91101-0625-00100	Hex Flange Bolt	4
9	25210-G220010-00000	Oil Dipstick Assembly	1
10	25190-G030010-00000	Fuel Filter Screen	1
11	25110-G030010-H0200	Tank Cap	1
12	25550-G240010-00000	Dump Valve	1
13	25501-G170010-00010	Fuel/Vapor Line	1
14	95206-G290010-00000	Tube Collar	1
15	25133-E010010-00000	Tube Sleeve	1

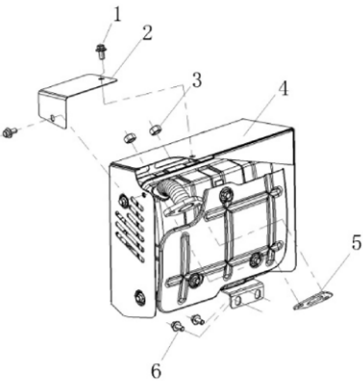


Muffler Parts

(See Figure 3)

Figure 3 - Muffler

Ref #	Part Number	Description	Qty
1	91101-0608-00200	Hex Flange Bolt	2
2	23018-G170010-H0200	Muffler Shroud	1
3	92101-0800-00100	Hex Nut - Type 1	2
4	23100-G170010-00000	Muffler Assembly	1
5	23001-E010010-00000	Exhaust Gasket	1
6	91101-0612-00100	Hex Flange Bolt	2



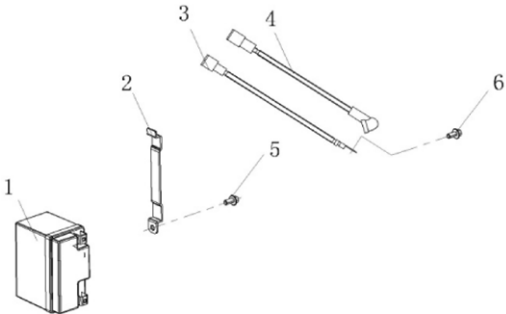
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Battery Pack - Parts

(See Figure 4)

Figure 4 - Battery Pack

Ref #	Part Number	Description	Qty
1	35110-G220010-00000	Battery Assembly	1
2	41315-G170010-H0200	Battery Pressplate	1
3	35130-G120020-00000	Positive Wiring Assembly	1
4	35140-G120020-00000	Negative Wiring Assembly	1
5	91101-0612-00100	Hex Flange Bolt	1
6	91101-0612-00100	Hex Flange Bolt	1

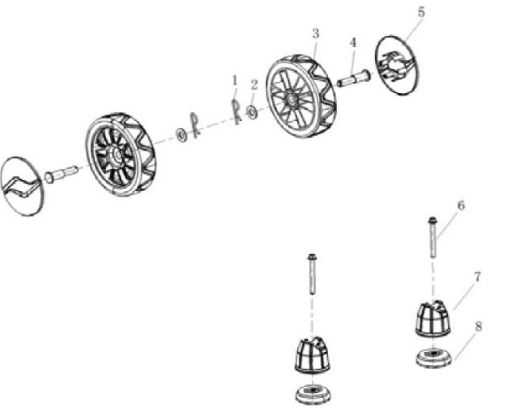


Wheel & Axle Parts

(See Figure 5)

Figure 5 - Wheel & Axle

Ref #	Part Number	Description	Qty
1	93301-G030010-00000	R-Pin	2
2	93104-1428-00100	Flat Gasket - Class C	2
3	44220-G170010-C0100	Wheel Assembly	2
4	44110-G170010-00000	Axle Assembly	2
5	41402-G170010-C0100	Hubcap (Decorative)	2
6	91101-0880-00100	Hex Flange Bolt	2
7	41103-G170010-00000	Frame Damping Bracket	2
8	41130-G170010-00000	Frame Damping Seat	2

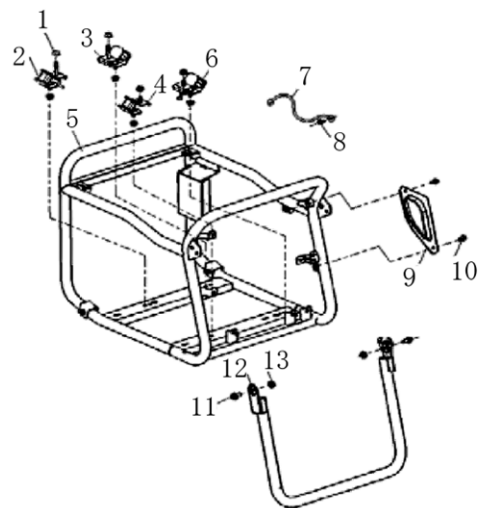


Frame & Handle Parts

(See Figure 6)

Figure 6 - Frame & Handle

Ref #	Part Number	Description	Qty
1	92201-0800-00100	Hex Flange Nuts	8
2	41110-G170020-00000	Left Damping Pad Assembly 1	1
3	41120-G170020-00000	Right Damping Pad Assembly 1	1
4	41110-G170010-00000	Left Damping Pad Assembly 2	1
5	41210-G170020-H0200	Frame Assembly	1
6	41120-G170010-00000	Right Damping Pad Assembly 2	1
7	36168-G170010-00000	Cable	1
8	91101-0612-00100	Hex Flange Bolt	1
9	41432-G170010-C0100	Decorative Board - Handle	1
10	91101-0612-00100	Hex Flange Bolt	2
11	91101-0812-00100	Hex Flange Bolt	2
12	44410-G170020-H0200	Handle Tube Assembly	1
13	92110-0800-00100	Nylon Hex Lock Nut	2



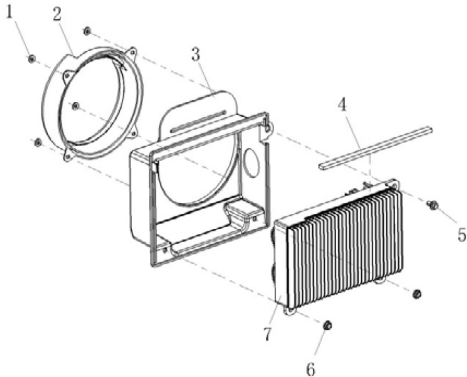
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Inverter Assembly Parts

(See Figure 7)

Ref #	Part Number	Description	Qty
1	93208-G290010-00000	Bearing Clamp Ring	1
2	41422-G170020-00000	Fastener Sleeve	1
3	26220-G170010-00000	Lower Shield Assembly	1
4	23158-G220010-00000	Silencing Pad	1
5	91101-0616-00100	Hex Flange Bolt	1
6	92201-0600-00100	Hex Flange Nuts	2
7	36300-G170010-00000	Inverter Assembly	1

Figure 7 - Inverter Assembly

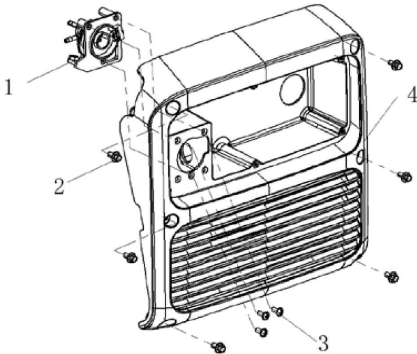


Control Panel Frame

(See Figure 8)

Ref #	Part Number	Description	Qty
1	31430-G170010-00000	Starting Switch Assembly	1
2	91101-0616-00100	Hex Flange Bolt	1
3	91210-4216-00100	Cross Tapping Screw	1
4	36103-G170010-H0400	Panel Base Assembly	1
5	91101-0612-00100	Hex Flange Bolt	1
6	91202-0510-00200	Cross Recessed Pan Head Screw	1

Figure 8 - Control Panel Frame Parts

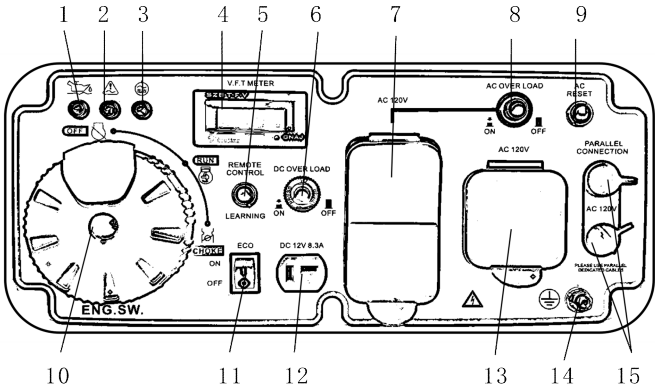


Control Panel Components

(See Figure 9)

Figure 9 - Control Panel Assembly

Ref #	Description	Qty	Ref #	Description	Qty
1	Engine Oil Indicator	1	9	AC Reset	1
2	Overload Indicator	1	10	Multi-function Dial Control	1
3	AC Indicator	1	11	ECO Switch	1
4	VFT Meter	1	12	DC Outlet 12V	1
5	Remote Control Indicator	1	13	AC 3-Prong Twist Lock Outlet 120V	1
6	DC Reset	1	14	Ground Terminal	1
7	Duplex AC Outlet 120V	1	15	Parallel Connection Socket (pair)	1
8	AC Overload Button	1			



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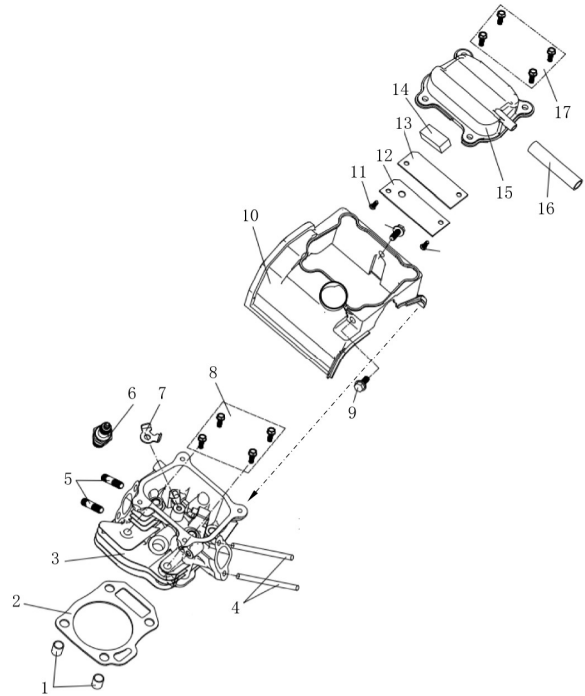
H225iD Engine Spare Parts List (BNG4000iD)

Cylinder Head

(See Figure 10)

Figure 10 - Cylinder Head

Ref #	Part Number	Description	Qty
1	93307-1016-00000	Pin , Dowel	2
2	11131-E030020-00000	Cylinder Head Sealing Pad Combination	1
3	11140-E200020-00000	Cylinder Head Combination	1
4	91707-E200010-00000	Air Intake Double-headed Bolts	2
5	91708-E010010-00000	Exhaust Double Headed Bolt	2
6	31110-E010010-00000	Sparkplug	1
7	17301-E200010-00000	Rocker Shaft Baffle	1
8	91718-E010010-00000	Bolt, Cylinder Head	4
9	91101-0616-00100	Bolt , Flange , 6×16	2
10	26235-E200010-00000	Cylinder Head Cowl	1
11	91101-0510-00100	Bolt , Flange	2
12	11431-E200010-00000	Breath Cover Plate	1
13	11432-E200010-00000	Air Groove Cover Plate Gasket	1
14	19211-E200010-00000	The Oil Filter	1
15	11410-E200010-00000	Cover Comp Head	1
16	22004-E200010-00000	Waste Trachea	1
17	91101-0620-00100	Bolt , Flange , 6×20	4

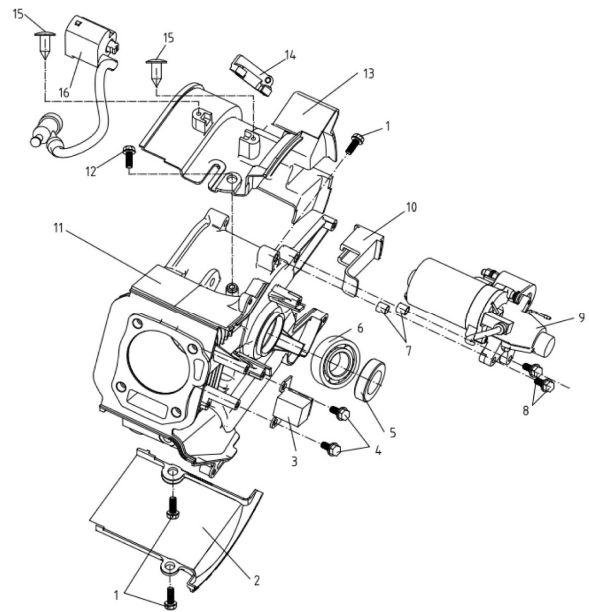


Starter Motor & Crankcase

(See Figure 11)

Figure 11 - Starter Motor & Crankcase

Ref #	Part Number	Description	Qty
1	91101-0610-00100	Bolt , Flange , 6×10	3
2	26232-E200010-00000	Air Deflector, Box	1
3	31340-E180010-00000	Trigger Combination	1
4	91101-0612-00100	Bolt , Flange , 6×12	2
5	90001-E010010-00000	Oil Seal	1
6	94100-6205-P5301	Bearing, Radial Ball	1
7	93307-0810-00000	Pin , Dowel	2
8	91101-0625-00100	Bolt , Flange , 6×25	2
9	31500-E060010-00000	Starter Motor	1
10	13006-E200010-00000	Motor Outlet Baffle	1
11	13310-E200010-00000	Crankshaft Box Body Combination	1
12	91101-0610-00100	Bolt , Flange , 6×10	1
13	26231-E200010-00000	Air Deflector, Box	1
14	13008-E140010-00000	Installation Bracket For Igniter	1
15	91206-4813-00100	Tapping Screw	2
16	31300-E200010-00000	Firewire Ring Parts	1



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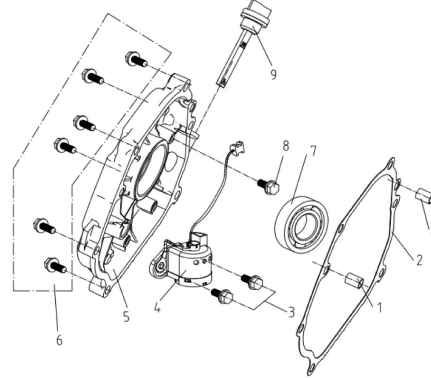
H225iD Engine Spare Parts List (BNG4000iD)

Crankcase Cover

(See Figure 12)

Figure 12 - Crankcase Cover

Ref #	Part Number	Description	Qty
1	93307-0814-00000	Pin, Dowel	2
2	13001-E200010-00000	Crankcase Sealing Pad	1
3	91101-0616-0010	Bolt, Flange 6×16	2
4	31080-E200010-00000	Oil Sensor	1
5	13410-E200010-00000	Crankcase Cover	1
6	91101-0832-00100	Bolt, Flange 8×32	6
7	94100-6205-P5301	Bearing, Radlal Ball	1
8	91101-0610-0010	Bolt, Flange 6×10	1
9	19010-E200010-C0100	Oil Ruler Combination	1

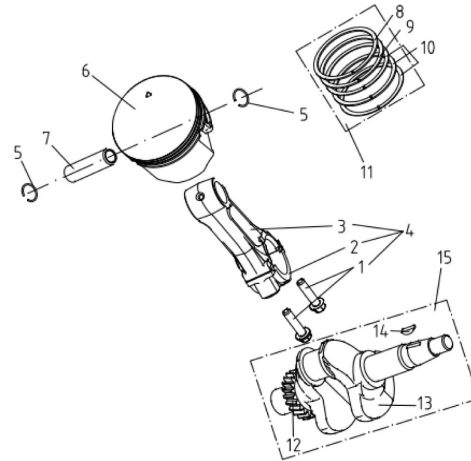


Crankshaft, Piston & Connecting Rod

(See Figure 13)

Figure 13 - Crankshaft, Piston & Connecting Rod

Ref #	Part Number	Description	Qty
1	91710-E010010	Connecting Rod Bolt	2
2	15012-E010010-00000	Connecting Rod Cap	1
3	15011-E010010-00000	Connecting Rod	1
4	15010-E010010-00000	Connecting Rod Assembly	1
5	15122-E010010-00000	Piston Pin Clip	2
6	15100-E140020-00010	Piston	1
7	15121-E010010-00000	Wrist Pin	1
8	15201-E140010	Top Ring	1
9	15202-E140010	Compression Ring	1
10	15210-E140010	Oil Ring Assembly	1
11	15100-E140020-00010	Piston Ring	1
12	15313-E200010	Timing Gear	1
13	15311-E200010-00000	Crankshaft	1
14	93404-E010010-00000	Key	1
15	15310-E200010-00000	Crankshaft Parts Assembly	1

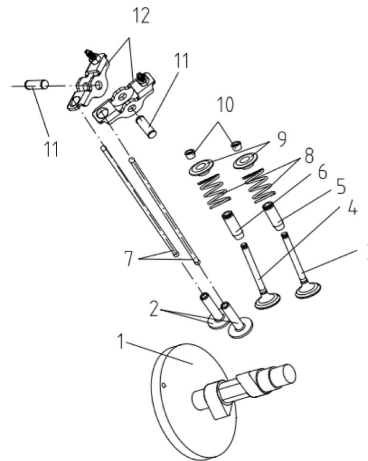


Valve & Camshaft Assembly

(See Figure 14)

Figure 14 - Valve & Camshaft Assembly

Ref #	Part Number	Description	Qty
1	17211-E140010-00000	Camshaft Assembly	1
2	17021-E020010-00000	Valve Lifter (Tappet)	2
3	11122-E200010-00000	Exhaust Valve	1
4	11121-E200010-00000	Valve Intake	1
5	11145-E200010	Intake Valve Guide	1
6	11146-E200010	Exhaust Duct	1
7	17010-E200010-00000	Push Rod	2
8	11102-E010010-00000	Valve Spring	2
9	11106-E200010-00000	Valve Seat	2
10	11108-E200010-00000	Valve Key	4
11	17341-E200010-00000	Rocker Arm Shaft	2
12	17310-E200010-00000	Rocker Arm Assembly	2



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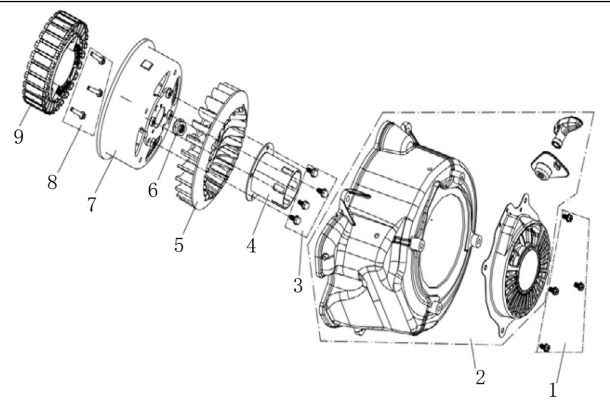
H225iD Engine Spare Parts List (BNG4000iD)

Pull Start Assembly

(See Figure 15)

Figure 15 - Pull Start Assembly

Ref #	Part Number	Description	Qty
1	91101-0614-00100	Bolt , Flange 6×14	4
2	28100-E200010-D0300	Manual Start Pull Plate Assembly	1
3	91101-0616-00100	Bolt , Flange 6×16	4
4	28001-E200010-00000	Starter Cup	1
5	26201-E200010-00000	Vane Wheel	1
6	92403-E010010-00000	Flywheel Nut	1
7	33330-G160010-00000	Rotor	1
8	91718-E180010-00000	Cylinder Head Bolt	3
9	33310-G300010-00000	Stator	1

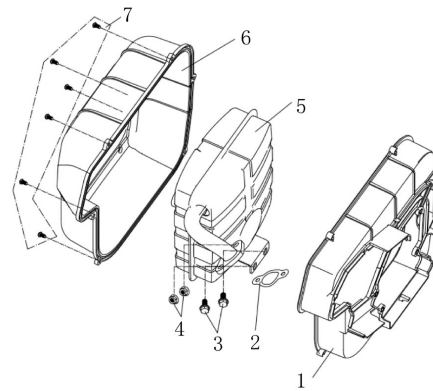


Muffler Assembly

(See Figure 16)

Figure 16 - Muffler Assembly

Ref #	Part Number	Description	Qty
1	26001-E200010-00000	Muffler Front Shield	1
2	23001-E010020-00000	Exhaust Sealing Pad	
3	91101-0612-00100	Bolt , Flange , 6×12	
4	92101-0800-00100	Hex Nut	
5	23100-G300010-00000	Muffler Assembly	
6	26002-E200010-00000	Muffler Rear Shield	
7	91206-3513-00100	Muffler Bolt	

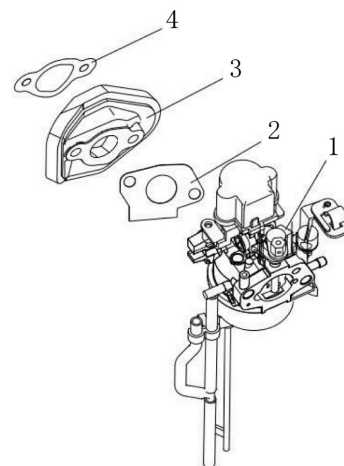


Carburetor

(See Figure 17)

Figure 17 - Carburetor

Ref #	Part Number	Description	Qty
1	25300-E200010-00010	Carburetor	1
2	22007-E010010-00000	Carburetor Insulator Sealing Pad	1
3	22006-E200010-00000	Carburetor Spacer	1
4	22002-E010010-00000	Air Intake Sealing Pad	1



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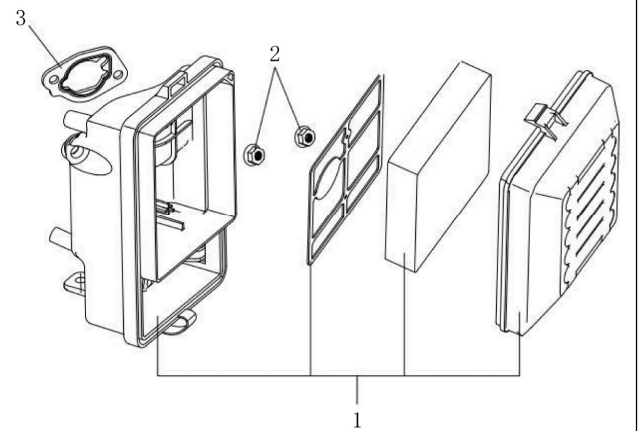
H225iD Engine Spare Parts List (BNG4000iD)

Air Cleaner

(See Figure 18)

Figure 18 -Air Cleaner

Ref #	Part Number	Description	Qty
1	22100-E200010-H0100	Air Cleaner	1
2	92201-0600-00100	Hex Nut	2
3	22001-E010030-00000	Air Filter Gasket	1



	Item	BNG4000iD	
Gasoline engine	Engine type	Single head.4-stroke.Air cooling. OHV 25°	
	Displacement(cc)	223	
	Ignition system	C.D.I	
	Starting type	Recoil start	Electric start
	Fuel tank capacity	3.3 Gallons	
	Engine oil	0.55 Quart	
Generator set	Rated frequency (Hz)	60Hz	
	Phase	Single	
	Rated voltage (V)	120V	
	Rated output power(kW)	3.5 kW	
	Max. output power(kW)	4.0kW	
	DC	12V/8.3A	
	Length(mm)	23.5"	
	Width(mm)	11.25"	
	Height(mm)	20"	