

# REPAIR SHEET

BRAND

**RYOBI**

DESCRIPTION

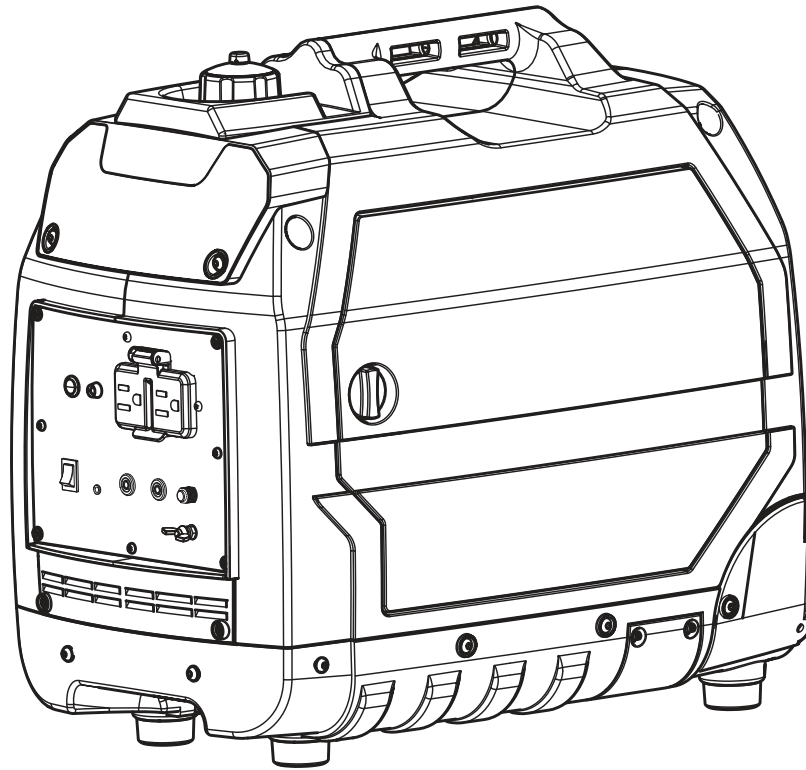
**Digital Invertor Generator**

MODEL NO.

**RYi2022VNM**

MFG. NO.

**095930358**



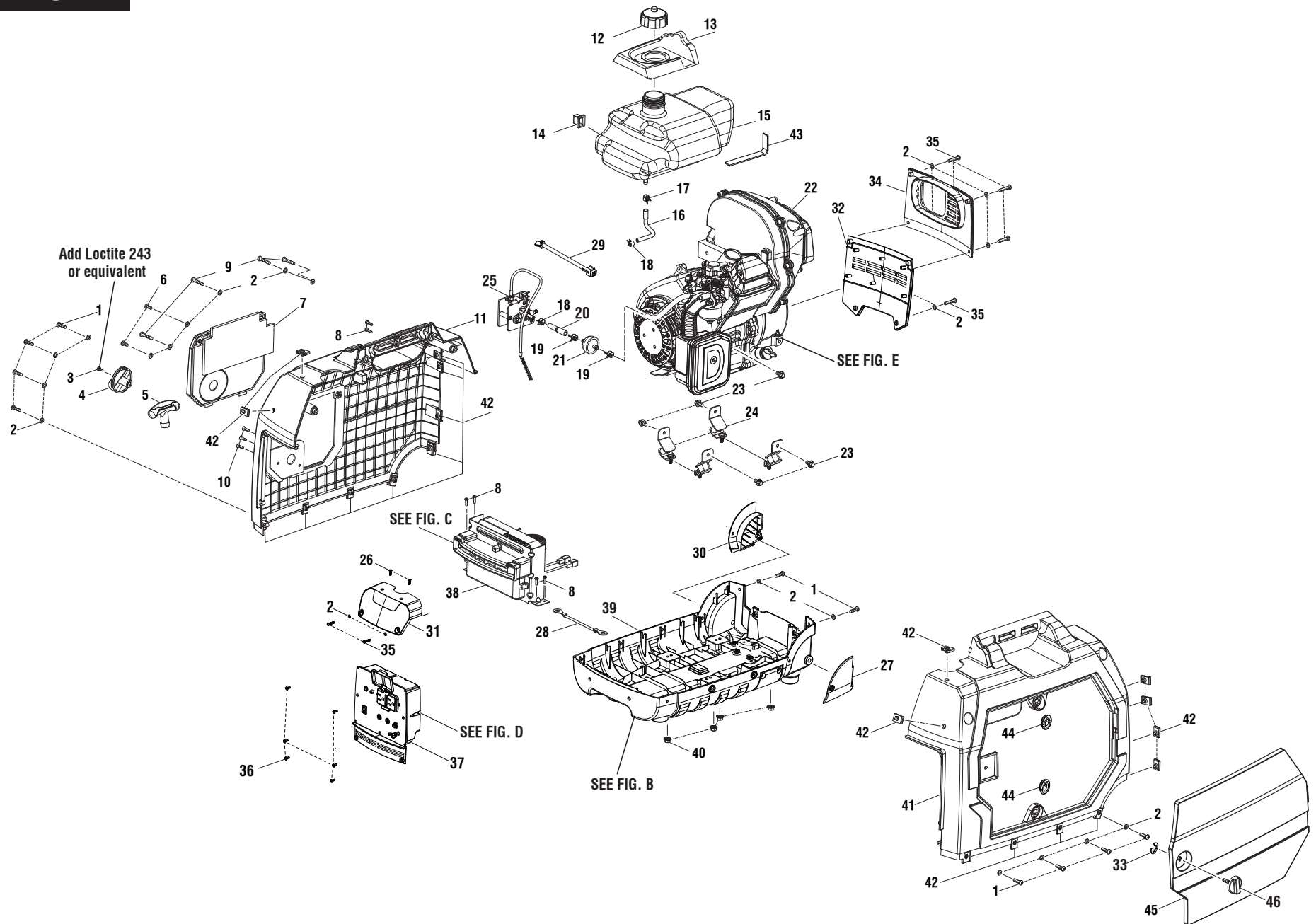
**TTI OUTDOOR POWER EQUIPMENT, INC.**

P.O. Box 1288, Anderson, SC 29622 ■ 1-800-525-2579 ■ [www.ryobitools.com](http://www.ryobitools.com)

998000818

4-5-22 (Rev:02)

*The model number and manufacturing location will be found on a label attached to the product. Always mention this information in all communications regarding this product and when ordering parts.*



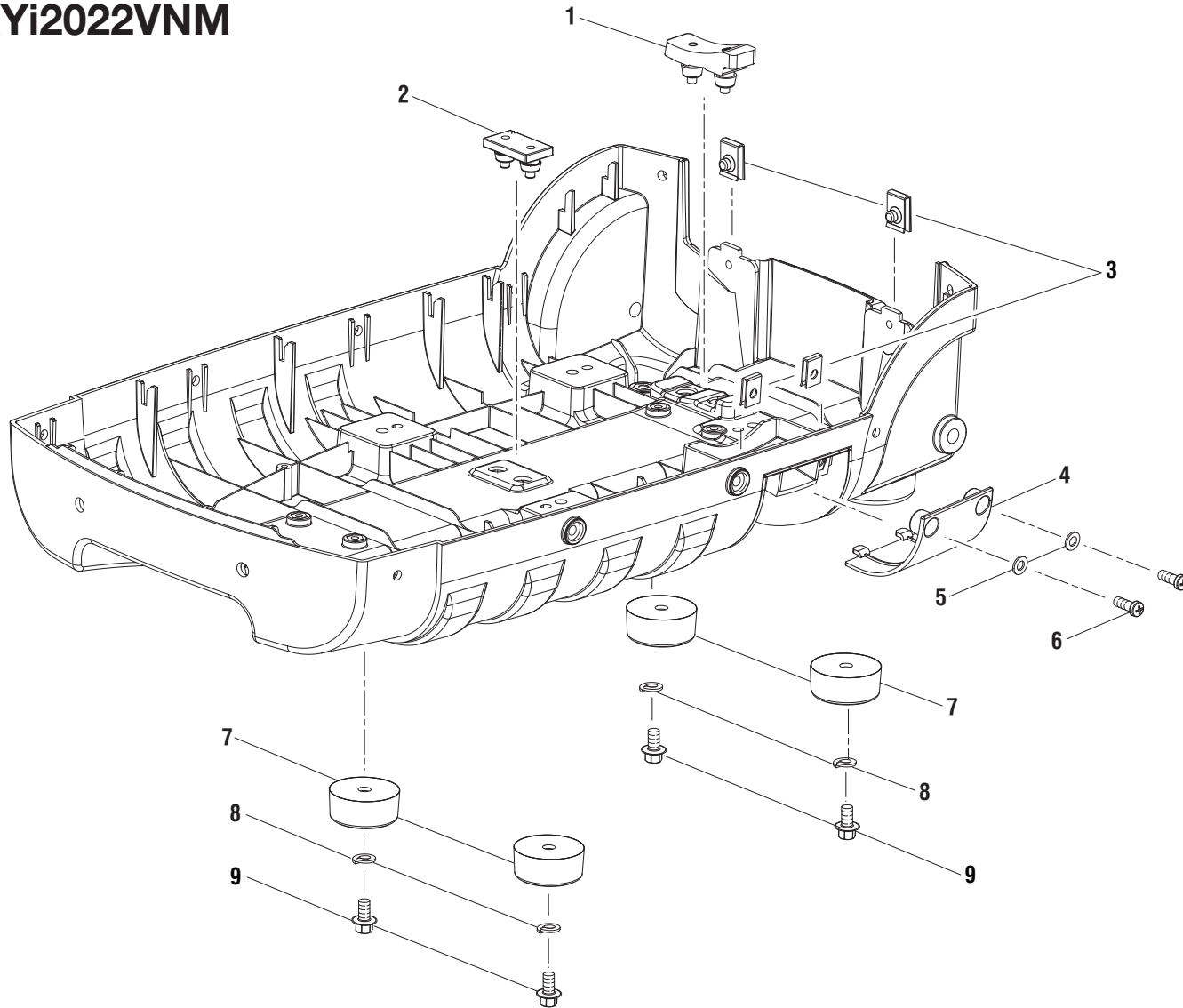


**RYi2022VNM**

**PARTS LIST – FIGURE A**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	660764010	Screw (M5 x 20 mm, Button Soc. Hd.)	10
2	638128014	Washer (M5.3)	24
3	661346001	Screw (M4 x 10 mm)	1
4	525361008	Control Knob	1
5	524015004	Recoil Handle	1
6	660764007	Screw (M5 x 12 mm, Button Soc. Hd.)	2
7	525297005	Starter Cover Assembly	1
8	660345015	Screw (M4 x 12 mm, T15 Torx Hd.)	6
9	660345018	Screw (M5 x 30 mm, Phillips Hd.)	4
10	661864012	Screw (M4 x 16 mm, Flat Hd.)	3
11	524001021	Left Housing Assembly w/Labels (Inc. Key No. 42)	1
12	519709007	Vented Fuel Cap	1
13	570818005	Overspill Guard	1
14	570356010	Fuel Tank Support	1
15	310711196	Fuel System Assembly (Inc. Key Nos. 14 & 16-18)	1
16	570358170	Fuel Hose (6 mm & 4.5 mm)	1
17	678815015	Clamp (10 mm)	1
18	678409008	Fuel Hose Clamp (3/8 in.)	2
19	678815010	Fuel Hose Clamp (9.5 mm)	2
20	570358171	Fuel Hose (4.5 mm & 6 mm)	1
21	308733008	Fuel Filter	1
22	<b>NOTE A</b>	Engine (See Figure E)	1
23	660975004	Bolt (M6 x 12 mm, Hex Hd.)	5
24	679940011	Engine Isolator (45 Degree)	4
25	310437021	Engine Start/Stop Mechanism Assembly	1

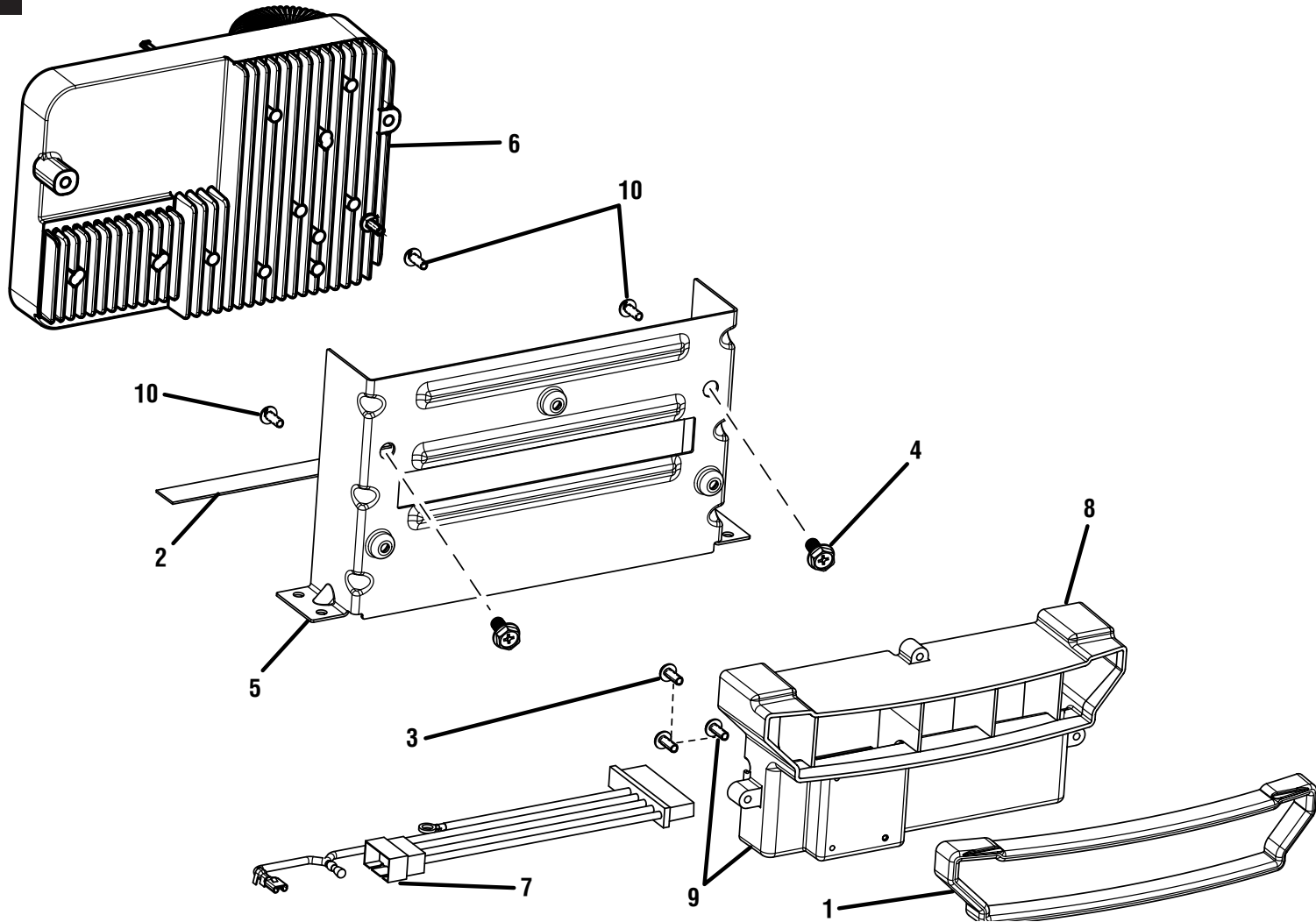
KEY NO.	PART NO.	DESCRIPTION	QTY.
26	660764012	Screw (M5 x 16 mm, Flat Hd.)	2
27	525297015	Wheel Cap (Left)	1
28	290404012	Ground Wire	1
29	290514016	Engine Wire Harness	1
30	525297014	Wheel Cap (Right)	1
31	525297013	Front Housing Cover	2
32	524012019	Lower Exhaust Panel	1
33	638623008	E-Clip Lock Washer	1
34	524012044	Upper Exhaust Panel Assembly (Inc. Key No. 35)	1
35	660764011	Screw (M5 x 25 mm, Button Soc. Hd.)	8
36	660345009	Screw w/Washer (M4 x 10 mm, T20 Torx Hd.)	6
37	<b>See Fig. D</b>	Control Panel	1
38	290991064	Inverter Module Assembly (See Figure C)	1
39	525361022	Bottom Base Assembly w/Labels (Inc. Key Nos. 1-2, 27 & 30; See Figure B)	1
40	678774019	Lock Nut (M6)	4
41	524001020	Right Housing Assembly (Inc. Key No. 42)	1
42	678900014	U-Clip (M5)	20
43	560878004	Rubber Pad	1
44	570766011	Grommet	2
45	523430013	Maintenance Cover Assembly w/Labels (Inc. Key No. 42)	1
	<b>Not Shown:</b>		
	120694001	Accessory Kit	
	995000816	Operator's Manual	
	995000817	Quick Reference Guide	



PARTS LIST – FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	570712008	Engine Support Isolator (Back)	1
2	570712007	Engine Support Isolator (Front)	1
3	678900014	U-Clip (M5)	4
4	519813034	Oil Drain Door	1
5	638128014	Washer (M5.3)	2

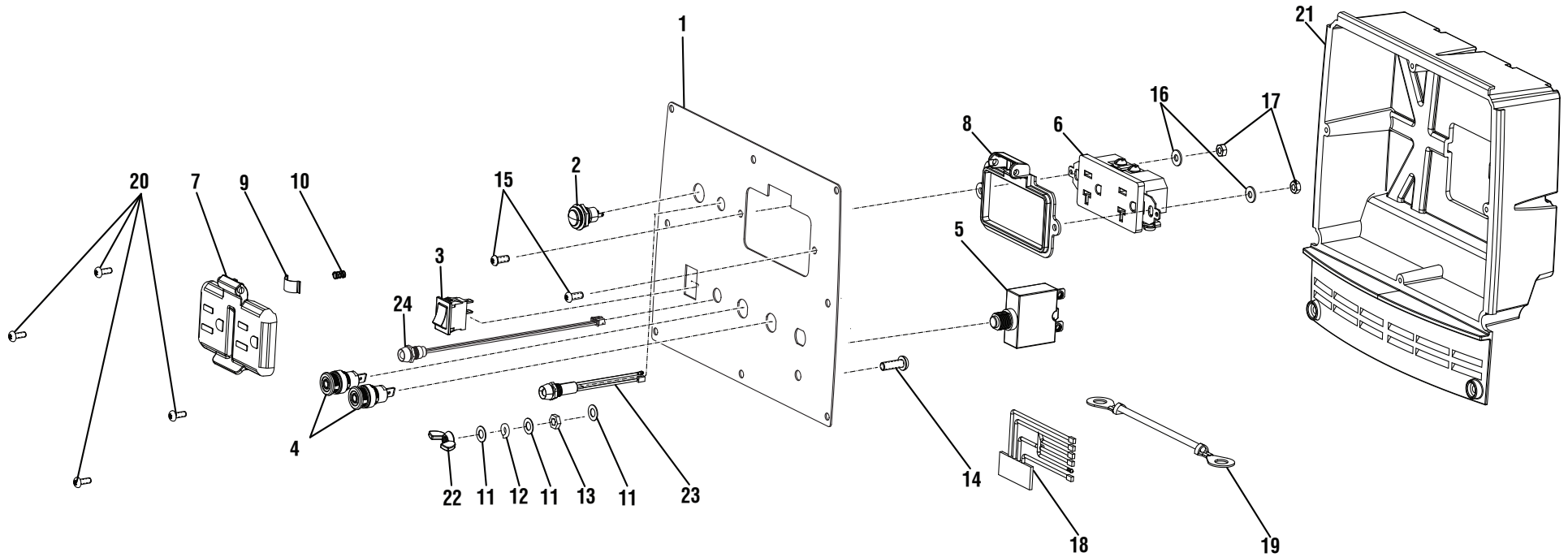
KEY NO.	PART NO.	DESCRIPTION	QTY.
6	660342013	Screw (M5 x 12 mm, Pan Hd.)	2
7	561454006	Isolator Foot	4
8	678012001	Lock Washer	4
9	660975004	Bolt (M6 x 12 mm, Hex Hd.)	4



**PARTS LIST – FIGURE C**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	570818008	Edge Trim Rubber	1
2	570630006	Rubber Pad	1
3	660836001	Screw (M3 X 8 mm)	3
4	660975004	Bolt (M6 x 12mm, Hex Hd.)	2
5	638494027	Inverter Module Bracket	1

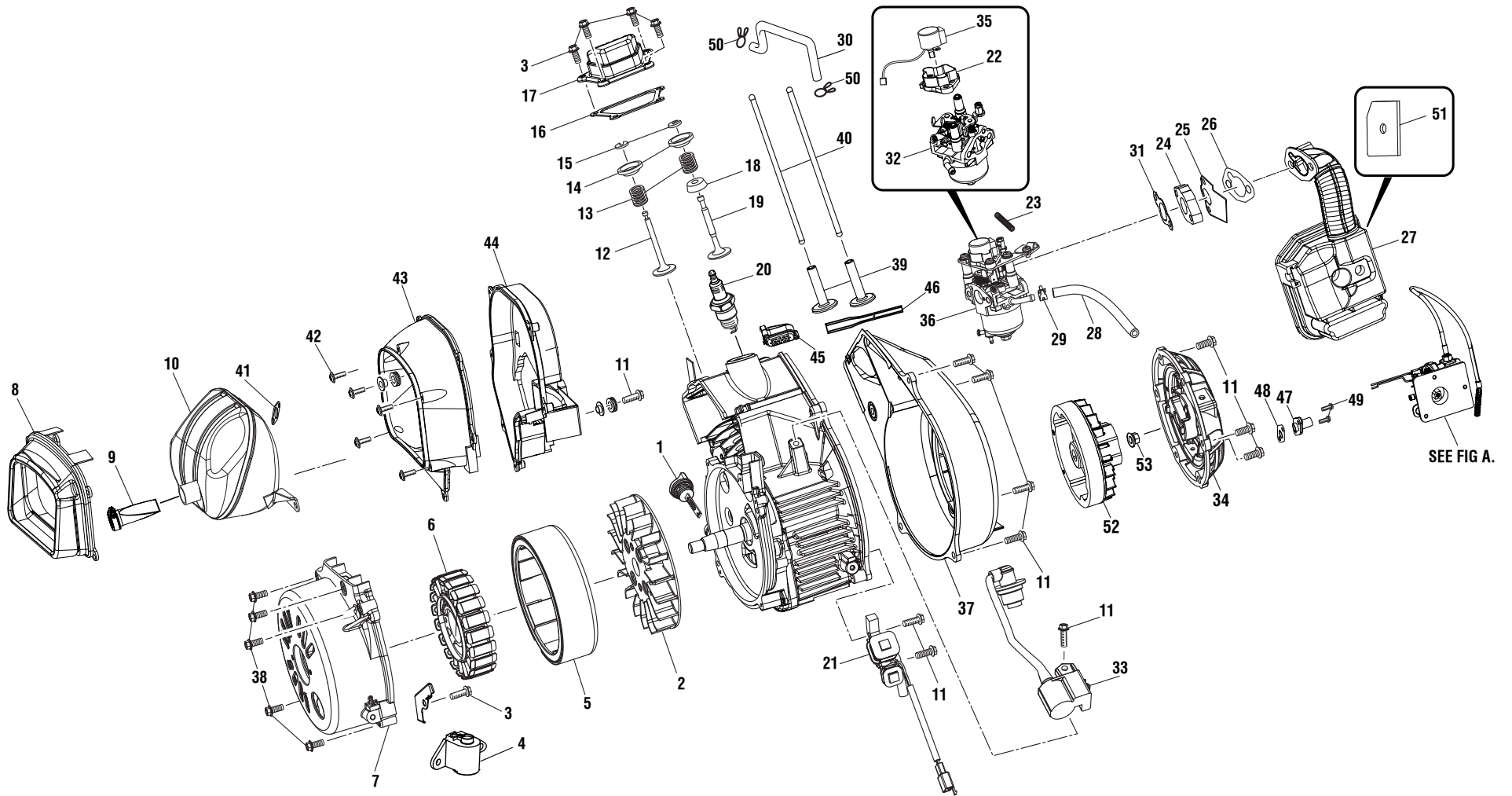
KEY NO.	PART NO.	DESCRIPTION	QTY.
6	290991064	Inverter Module	1
7	290514030	CO Module Wire Harness	1
8	525297012	Baffle for CO Module	1
9	525297018	Baffle Assembly (Inc. Key Nos. 3 & 8)	1
10	660345009	Screw w/Washer (M4 x 10 mm, T20 Torx Hd.)	3



**PARTS LIST – FIGURE D**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	638496058	Front Cover	1
2	760945005	Reset Button	1
3	760504016	Auto Idle Switch	1
4	870932002	Connector (Black)	2
5	780350007	Circuit Breaker (20A)	1
6	290400017	120 Volt Duplex Receptacle (20 Amp)	1
7	570412014	Receptacle Cover (Front)	1
8	570412015	Receptacle Cover	1
9	570412012	Clip	1
10	679449001	Compression Spring	1
11	638623005	Flat Washer (OD10 x ID5.3 x 0.5t)	3
12	678343003	Lock Washer (OD9 x ID5 x 1.3t)	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
13	678016008	Hex Nut (M5)	1
14	660976002	Bolt (M5 x 16 mm, Pan Hd.)	1
15	660345025	Bolt (M4 x 10 mm, T15 Torx Hd.)	2
16	690969002	Washer (OD10 x 4.2 x 1t)	2
17	661514002	Hex Nut (M4)	2
18	290514015	Internal Wire Assembly	1
19	290404011	Ground Wire	1
20	660901004	Screw (M6-20 x 0.38 mm, T15 Torx Pan HD.)	4
21	519707020	Electrical Panel Housing	1
22	678016009	Wing Nut (M5)	1
23	270290022	Indicator (Red LED 3.3V-4mA)	1
24	291789002	CO Indicator	1



SEE FIG A.

*Not all parts shown on the exploded view are available. Some parts are shown to identify position and location of parts that are available.*



**RYi2022VNM**

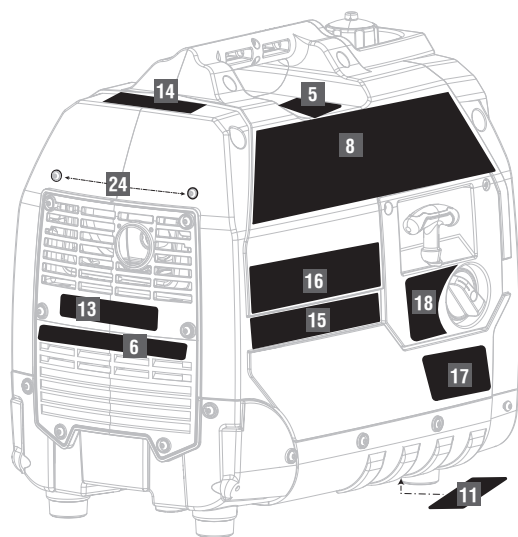
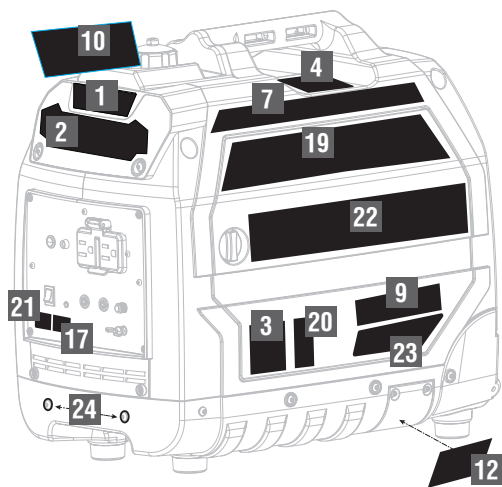
**PARTS LIST – FIGURE E**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	310302005	Oil Dipstick	1
2	310757003	Fan	1
3	91325	Bolt (M6 x 12 mm)	5
4	205101	Low Oil Sensor	1
5	310771053	Rotor	1
6	310772054	Stator	1
7	678289012	Alternator Cover	1
8	570766021	Muffler Heat Shield	1
9	638147015	Spark Arrestor	1
10	308990062	Muffler	1
11	91329	Bolt (M6 x 16 mm)	11
12	205901	Exhaust Valve	1
13	206001	Valve Spring	2
14	201801	Plate	2
15	200801	Valve Lock Clamp	2
16	96006	Gasket (Over Head Cover)	1
17	201101	Over Head Cover	1
18	201802	Inlet Valve Spring Seat	1
19	201701	Inlet Valve	1
20	97101	* Spark Plug	1
21	760504020	RPM Sensor	1
22	524021005	Governor Motor Housing	1
23	679449002	Compression Spring	1
24	202301	Thermal Insulation Seat (Carburator)	1
25	96121	Paper Gasket	1
26	96009	Air Box Gasket	2
27	518248005	Air Filter Assembly	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
28	570358172	Fuel Hose (6 mm)	1
29	678409003	Fuel Line Clamp (7/16 in.)	1
30	95664	Breather	1
31	96260	Gasket (Connection Block)	1
32	308054140	Carburetor	1
33	850202005	Ignition Coil	1
34	636996002	Engine Recoil	1
35	230404002	Stepper Motor	1
36	308054139	Carburetor Assembly (Inc. Key Nos. 22, 32 & 35)	1
37	204705	Engine Cover	1
38	91334	Bolt (M6 x 30 mm)	5
39	206101	Lifter Valve	2
40	201901	Pushing Rod	2
41	96008	Gasket (Muffler)	1
42	D92108	Screw	5
43	524012049	Muffler Cover 1	1
44	524012050	Muffler Cover 2	1
45	247904	Fill Valve Assembly	1
46	209917	Breather Pipe	1
47	229908	Ring Flange	1
48	209918	Seal Ring	1
49	91322	Bolt (M5 x 12 mm)	2
50	94407	Breather Tube Clip	2
51	D5291	80cc Foam Air Filter	1
52	200401	Flywheel	1
53	T90014	Flywheel Nut	1

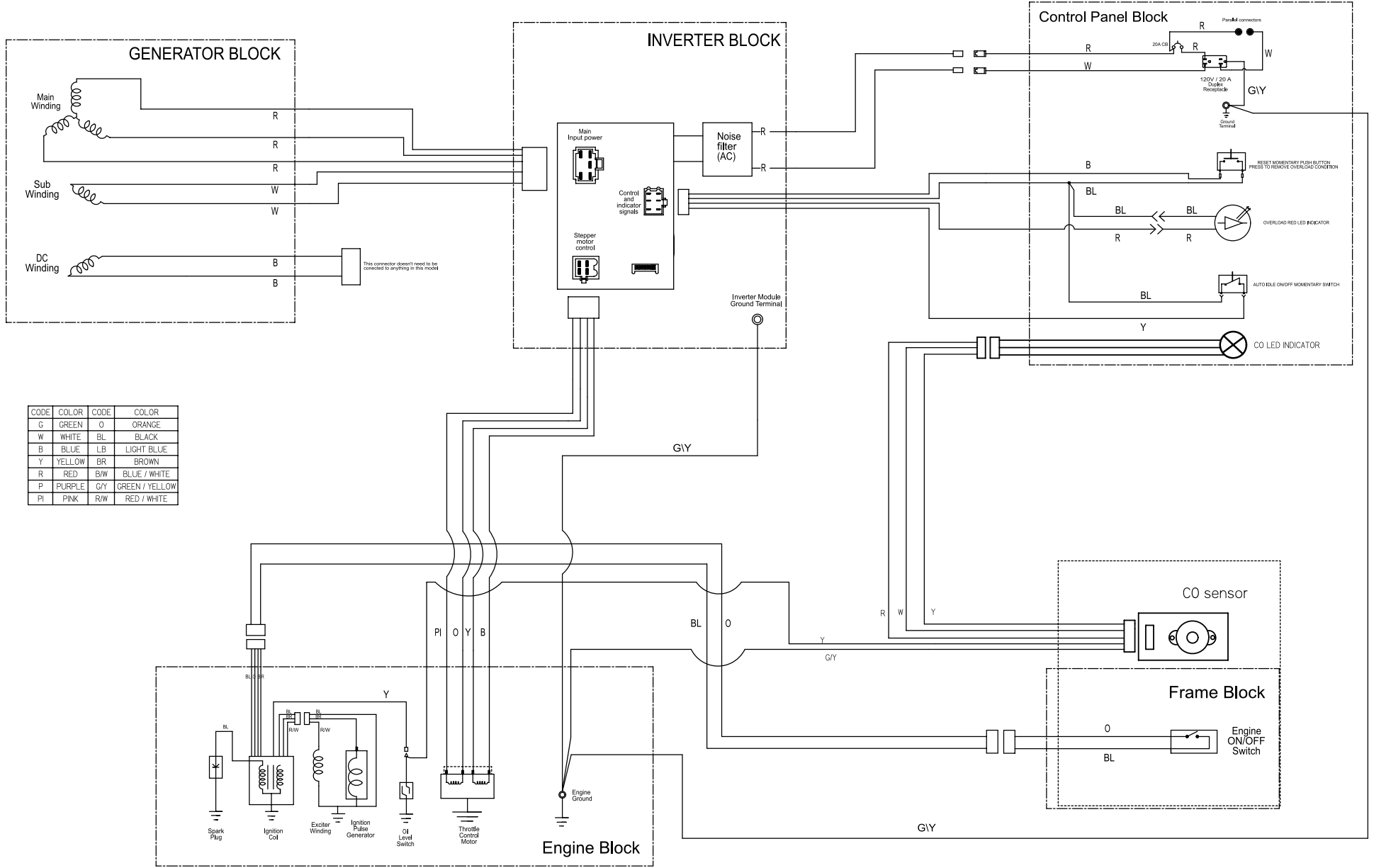
*\* STANDARD HARDWARE ITEM – MAY BE PURCHASED LOCALLY*





### PARTS LIST – LABELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	940705434	Easy Start Label	1
2	940705431	Logo Label	1
3	940782004	Fuel Stabilizer Label	1
4	940515017	CPSC Label	1
5	940654323	Danger Label	1
6	940513035	Ground Warning Label (EN/FR)	1
7	940974020	Fire Distance Label	1
8	940779280	Performance Label (Maintenance Door)	1
9	941486008	Inquiries Label	1
10	940971087	Notice Hangtag	1
11	941214001	Upright Storage Warning Label	1
12	940911003	Maintenance Label	1
13	940947035	Combustion Label	1
14	941209001	Exhaust Direction Label	1
15	940617178	Start Label	1
16	940705433	Easy Start Label	1
17	940595010	CO Detect/Easy Start Logo Label	1
18	940647139	Choke Label	1
19	940779285	Performance Label	1
20	940947037	Do Not Tamper Label	1
21	940779249	LED Light Legend Label	1
22	941207011	CO Automatic Shut Down Label	1
23	940708028	Lubricant Label	1
24	940779252	Screw Hole Label	4



### WIRING DIAGRAM