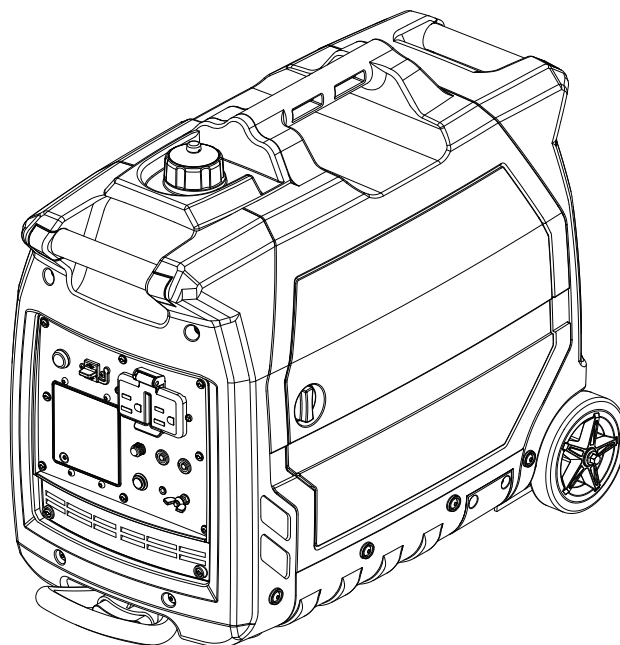


REPLACEMENT PARTS LIST

BRAND RYOBI		DESCRIPTION Digital Bluetooth® Inverter Generator
MODEL NO. RYi2322VNM	MFG. NO. 095930352	



TECHTRONIC INDUSTRIES POWER EQUIPMENT

P.O. Box 1288, Anderson, SC 29622 ■ 1-800-525-2579 ■ www.ryobitools.com

995000605
9-28-20 (Rev:01)

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.

RYOBI

RT12022VNM

FIGURE A

This exploded view diagram illustrates the assembly of the Ryobi RT12022VNM trimmer. The central component is the engine (26), which is connected to the fuel tank (29) and the trimmer head (32). The fuel tank is secured with a cap (30) and a bracket (42). The trimmer head is attached to the engine via a shaft (27) and a nut (28). The engine is mounted on a frame (1) which includes a handle (3) and a trigger (40). The frame is secured with various screws (3, 10, 15, 20, 25, 30, 35, 40) and washers (7, 12, 17, 22, 27, 32, 37, 42). The trimmer head is also secured with screws (3, 10, 15, 20, 25, 30, 35, 40) and washers (7, 12, 17, 22, 27, 32, 37, 42). The diagram includes several callouts for specific components and assembly instructions:

- Add Loctite 243 or equivalent** (multiple locations)
- SEE FIG. B** (multiple locations)
- SEE FIG. C**
- SEE FIG. D**
- SEE FIG. E**

The diagram shows the following components and their assembly order:

- Engine (26)
- Fuel tank (29)
- Trim head (32)
- Frame (1)
- Handle (3)
- Trigger (40)
- Washers (7, 12, 17, 22, 27, 32, 37, 42)
- Screws (3, 10, 15, 20, 25, 30, 35, 40)



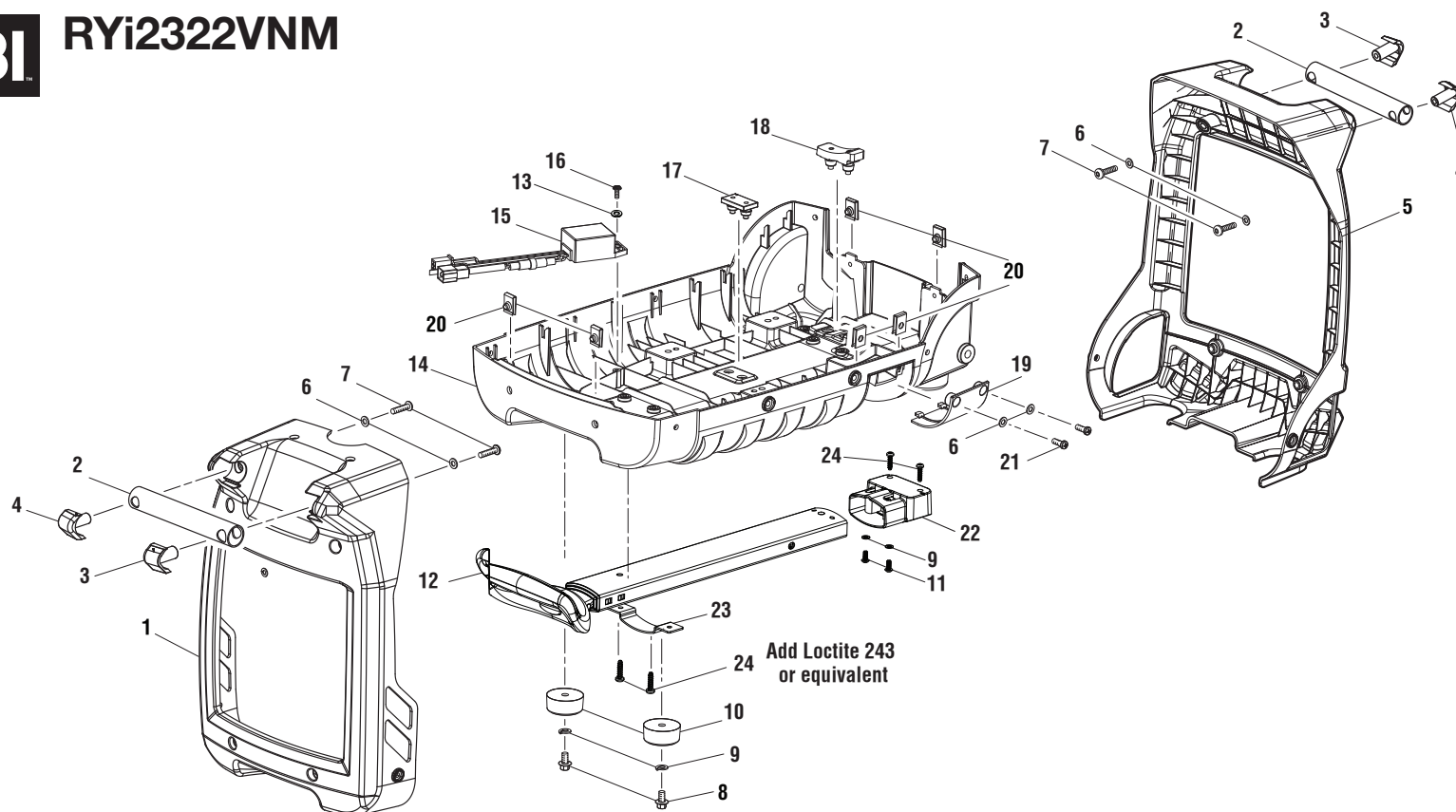
RYi2322VNM

PARTS LIST — FIGURE A

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	638704005	Internal Tooth Strip Retainers	6
2	660764010	Screw (M5 x 20 mm, Button Hd.)	10
3	638128014	Washer (ID5.3 x OD10 x 1t)	28
4	310223008	Wheel	2
5	620599031	Axle	1
6	678012001	Lock Washer	2
7	660975004	Bolt (M6 x 12 mm, Hex Hd.)	7
8	678774019	Lock Nut (M6)	4
9	660345009	Screw w/Washer (M4 x 10 mm, T20 Torx Hd.)	6
10	660764011	Screw (M5 x 25 mm, Button Hd.)	12
11	660764012	Screw (M5 x 16 mm, Pan Hd.)	2
12	290404012	Ground Wire	1
13	660345015	Screw (M4 x 12 mm, T15 Torx Hd.)	6
14	661864012	Screw (M4 x 16 mm, Flat Hd.)	3
15	678900014	U-Clip (M5)	20
16	525361008	Control Knob	1
17	661346001	Screw (M4 x 10 mm)	1
18	660764007	Screw (M5 x 12 mm, Button Soc. Hd.)	2
19	660345018	Screw (M5 x 30 mm, T25 Torx Pan Hd.)	4
20	524001011	Left Housing Assembly (Inc. Key No. 15)	1
21	310437021	Engine Start/Stop Mechanism Assembly (Inc. One of Key 22 and Key 23)	1
22	678409008	Fuel Hose Clamp (3/8 in.)	2
23	570358171	Fuel Hose (4.5 mm and 6 mm)	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
24	678815010	Fuel Hose Clamp (9.5 mm)	2
25	525297006	Starter Cover Assembly	1
26	310711202	Fuel System Assembly (Inc. Key Nos. 27-28)	1
27	678815015	Clamp (10 mm)	1
28	570358170	Fuel Hose (6 mm and 4.5 mm)	1
29	570356010	Fuel Tank Support	1
30	519709007	Vented Fuel Cap	1
31	570818005	Overspill Guard	1
32	524012042	Upper Exhaust Panel Assembly (Inc. Key No. 3)	1
33	524012012	Lower Exhaust Panel Assembly (Inc. Key No. 1)	1
34	679940011	Engine Isolator (45 Degree)	4
35	524003011	Right Housing Assembly (Inc. Key No. 15)	1
36	523430011	Maintenance Cover Assembly (Inc. Key Nos. 37-38)	1
37	638623008	E-Clip (5 mm Shaft)	1
38	525361009	Lock Knob	1
39	308733008	Fuel Filter	1
40	524015004	Recoil Handle	1
41	570766011	Grommet	2
42	560878004	Rubber Pad	1
	Not Shown:		
	120694001	Accessory Kit	
	995000603	Operator's Manual	
	995000604	Quick Reference Guide	

FIGURE B

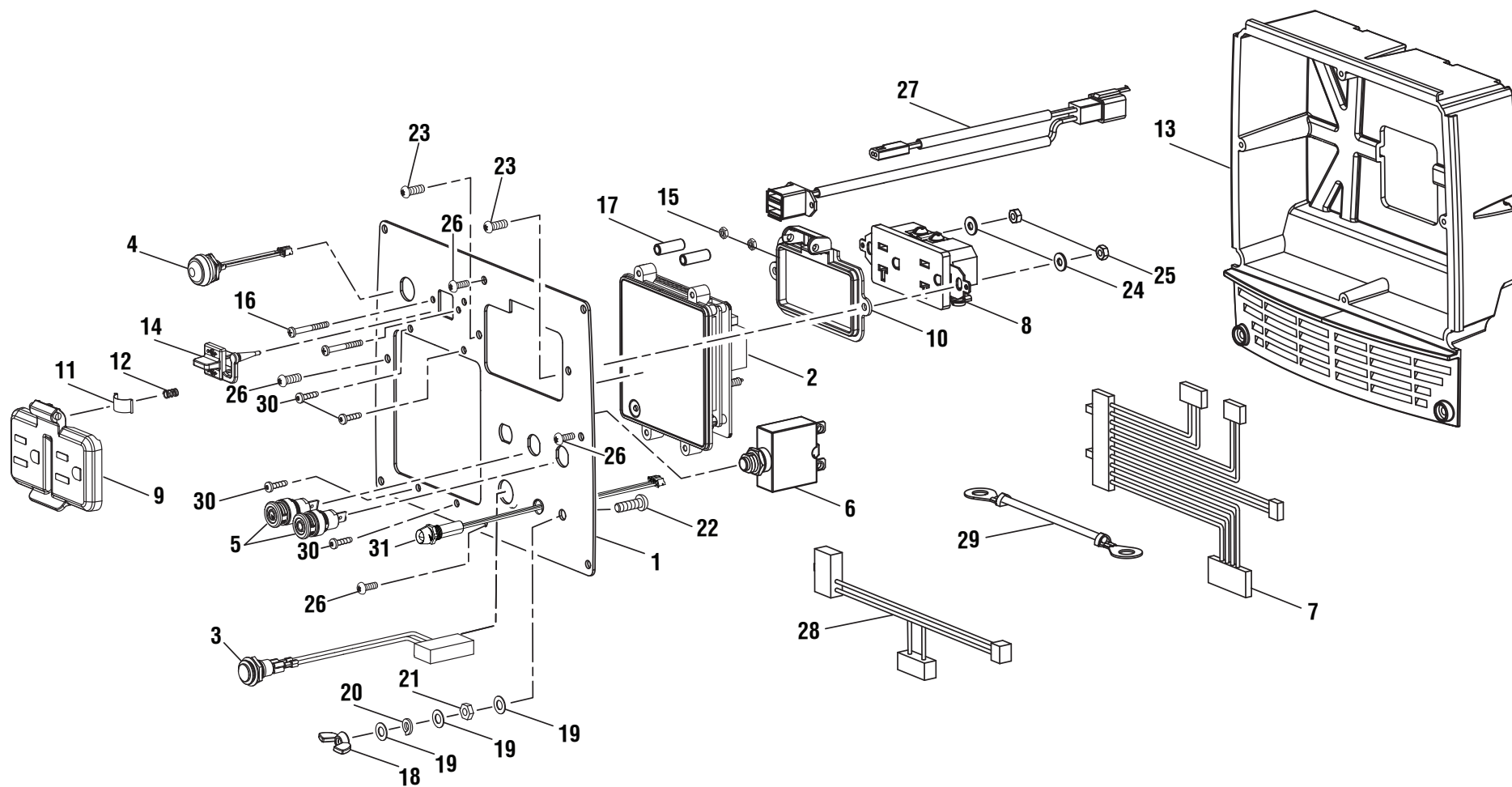


PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	518728006	Front Cover	1
2	638701035	Handle Tube	2
3	525361010	Handle Cap (Right)	2
4	525361011	Handle Cap (Left)	2
5	524012036	Rear Panel	1
6	638128014	Washer (ID5.3 x OD10 x 1t)	6
7	660764010	Screw (M5 x 20 mm, Button Hd.)	4
8	660975004	Bolt (M6 x 12 mm)	2
9	678012001	Lock Washer	4
10	561454006	Isolator Foot	2
11	660764007	Screw (M5 x 16 mm, Pan Hd.)	2
12	308790085	Handle Assembly	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
13	638128014	Washer (ID5.3 x OD10 x 1t)	1
14	525296022	Bottom Base	1
15	290433009	Regulator (AC to DC)	1
16	T662028001	Screw (M4 x 16 mm)	1
17	570712007	Engine Support Isolator (Front)	1
18	570712008	Engine Support Isolator (Back)	1
19	519813032	Oil Drain Door	1
20	678900014	U-Clip (M5)	6
21	660342013	Screw (M5 x 12 mm, Pan Hd.)	2
22	524021008	Handle Bracket (Plastic)	1
23	639138011	Metal Bracket	1
24	661403016	Screw (M4 x 15 mm)	4

FIGURE C

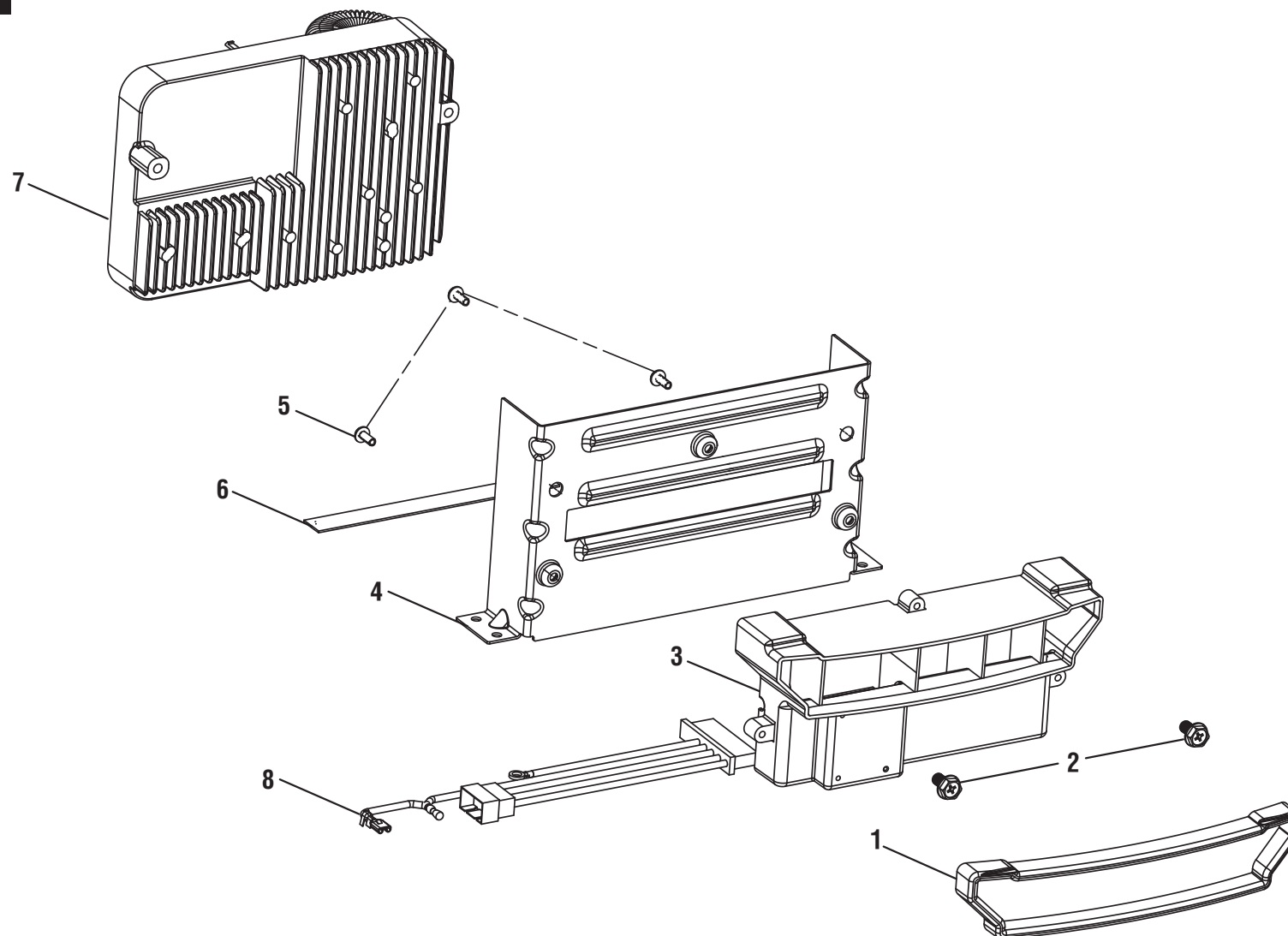


**RYi2322VNM****PARTS LIST — FIGURE C**

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	638700057	Faceplate	1
2	290432025	GENControl™ Display Assembly	1
3	760945003	Overload Reset Button	1
4	760945004	Auto Idle Button	1
5	870932002	Connector (Black)	2
6	780350007	Circuit Breaker (20A)	1
7	290514014	Wire Harness (GENControl™ Display)	1
8	290400017	120 Volt Duplex Receptacle (20 Amp)	1
9	570412014	Movable Outlet Cover	1
10	570412015	Fixed Outlet Cover	1
11	570412012	Clip	1
12	679449001	Compression Spring	1
13	519707019	Electrical Panel Housing	1
14	563684002	Dual USB Cover	1
15	673288001	Nut (M3)	2
16	662111001	Screw (M3)	2

KEY NO.	PART NO.	DESCRIPTION	QTY.
17	662112001	Spacer (17.2 mm)	2
18	678016009	Wing Nut (M5)	1
19	638623005	Washer (ID5.3 x OD10 x 0.5t)	3
20	678343003	Lock Washer (ID5 x OD9 x 1.3t)	1
21	678016008	Hex Nut (M5)	1
22	660976002	Bolt (M5 x 16 mm, Pan Hd.)	1
23	660345025	Screw (M4 x 10 mm, T15 Torx Drive Hd.)	2
24	690969002	Flat Washer (ID4.2 x OD10)	2
25	661514002	Hex Nut (M4)	2
26	660901004	Screw (#6-20 x 3/8 in., T15 Torx Pan Hd.)	4
27	290435037	Regulator Wire Harness w/ USB Ports	1
28	290514013	Internal Wire Assembly	1
29	290404011	Ground Wire	1
30	660975016	Screw (M3.1 x 10 mm, T15 Torx Pan Hd.)	4
31	291789002	CO Indicator	1

FIGURE D

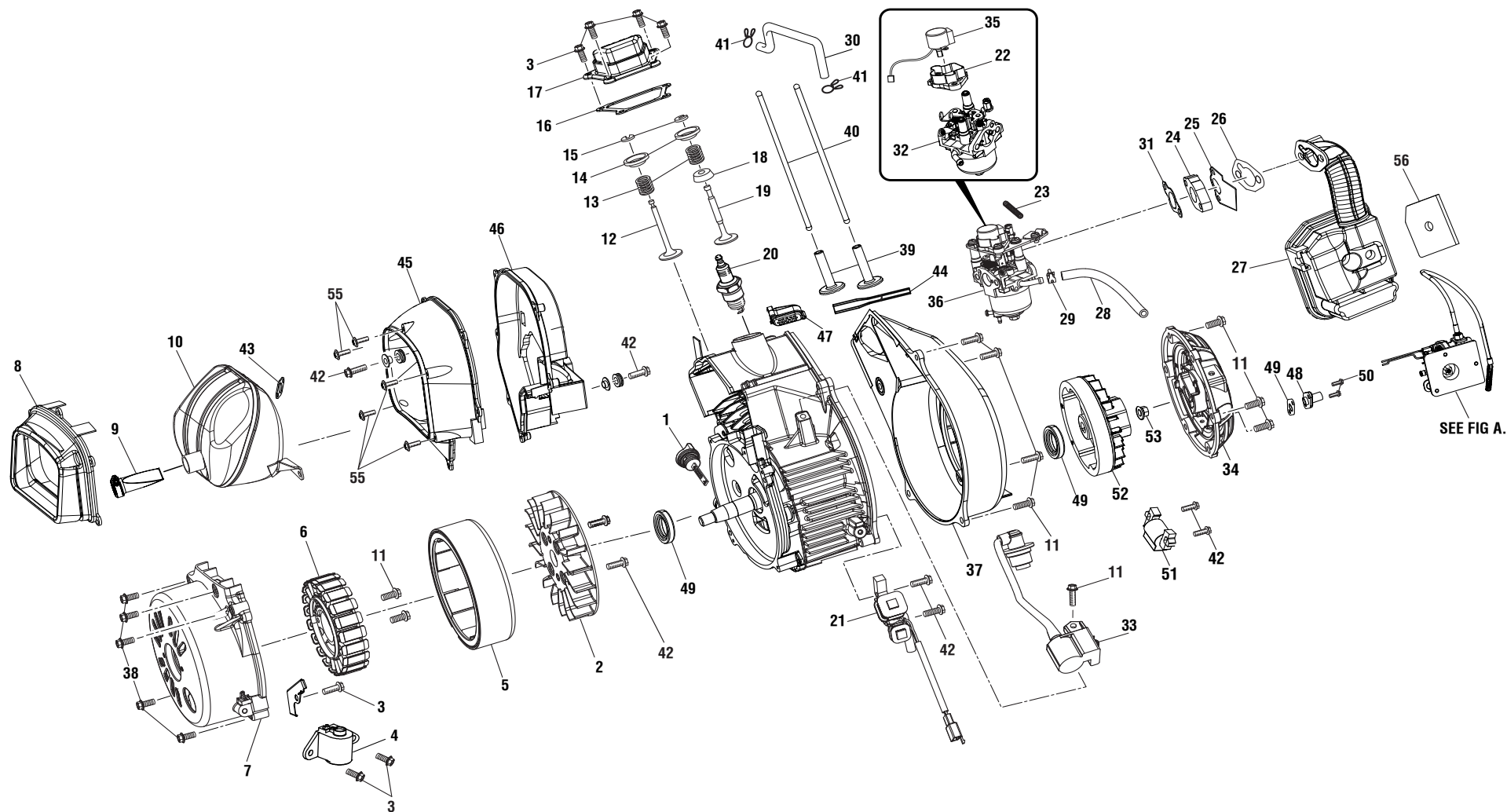


PARTS LIST – FIGURE D

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	570818008	Rubber Trim	1
2	660975004	Bolt (M6 x 12 mm, Hex Hd.)	2
3	525297018	Baffle (Engine Intake)	1
4	638494027	Bracket	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
5	660345009	Screw w/Washer (M4 x 10 mm, T20 Torx Hd.)	3
6	570630006	Rubber Pad	1
7	290991049	Inverter Module	1
8	290514030	CO Module Wire Harness	1

FIGURE E



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

**RYi2322VNM****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)	7
4	205101	Low Oil Sensor	1
5	310771053	Rotor	1
6	310772054	Stator	1
7	678289012	Alternator Cover	1
8	638497046	Muffler Heat Shield	1
9	638147015	Spark Screen	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 (Overhead Cover)	1
17	201101	Overhead 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	1
27	518248005	Air Filter Assembly (Inc. 1 each of Key Nos. 11 & 42)	1
28	570358172	Fuel Hose (6 mm)	1
29	678409003	Fuel Line Clamp (7/16 in.)	1

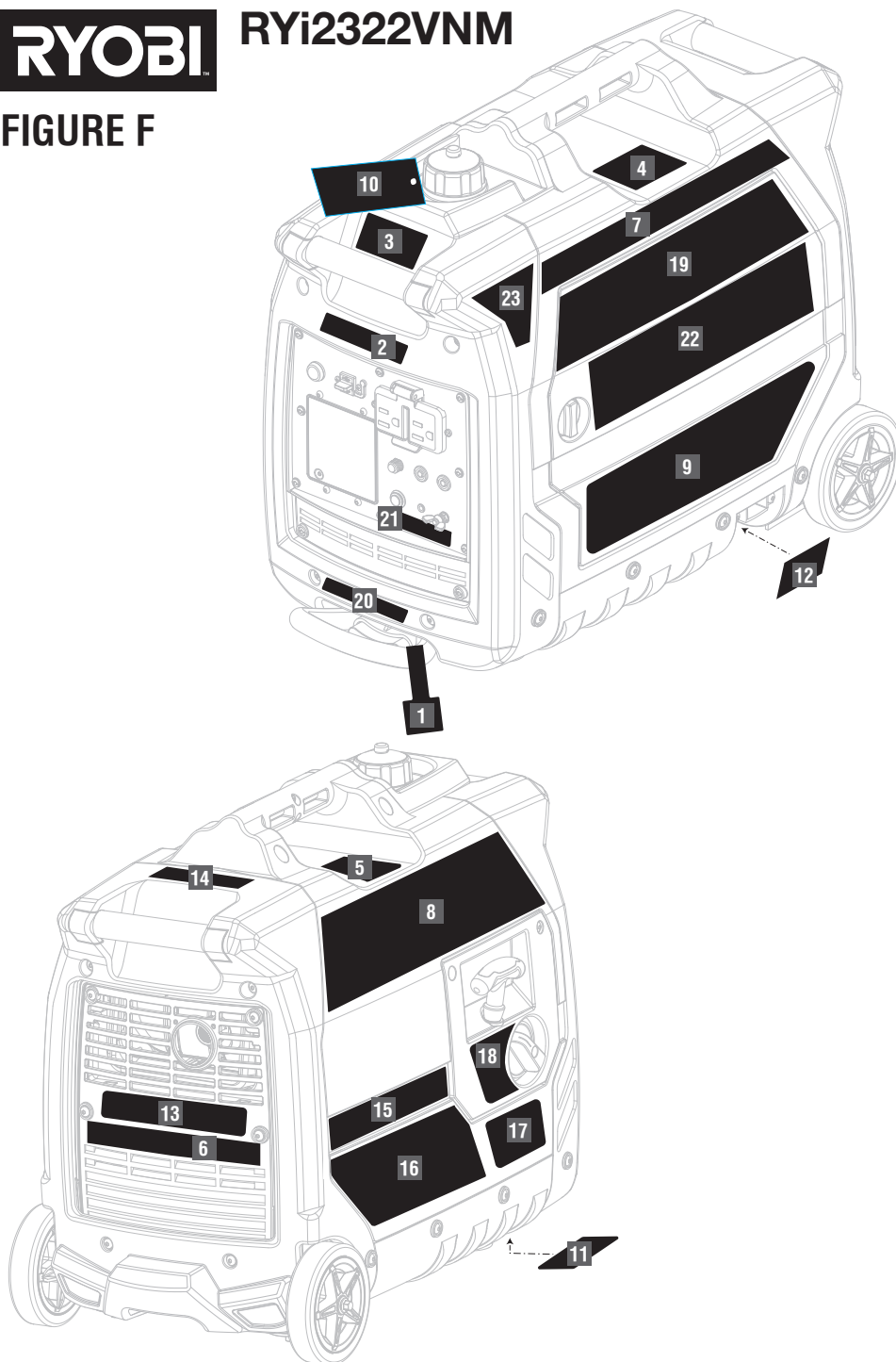
KEY NO.	PART NO.	DESCRIPTION	QTY.
30	209917	Breather Pipe	1
31	96008	Gasket (Connection Block)	1
32	308054140	Carburetor	1
33	850202005	Ignition Coil	1
34	636996002	Engine Recoil	1
35	230404002	Stepper Motor	1
36	308054139	Carburetor Assembly (Inc. Key Nos. 22, 32 and 35)	1
37	204705	Engine Cover	1
38	91334	Bolt (M6 x 30 mm)	5
39	206101	Lifter Valve	2
40	201901	Pushing Rod	2
41	94407	Clip	2
42	91330	Bolt (M6 x 20 mm)	9
43	96260	Gasket (Connection Block)	1
44	95664	Breather Hose	1
45	202503	Muffler Cover 1	1
46	202506	Muffler Cover 2	1
47	247904	Fill Valve Assembly	1
48	229908	Ring Flange	1
49	209918	Oil Ring	1
50	91322	Bolt (M5 x 12 mm)	2
51	97502	Magneto Ignition	1
52	200401	Flywheel	1
53	T90014	Flywheel Nut	1
54	93501	Oil Seal	2
55	D92108	Screw	5
56	D5291	Air Filter	1

* STANDARD HARDWARE ITEM – MAY BE PURCHASED LOCALLY



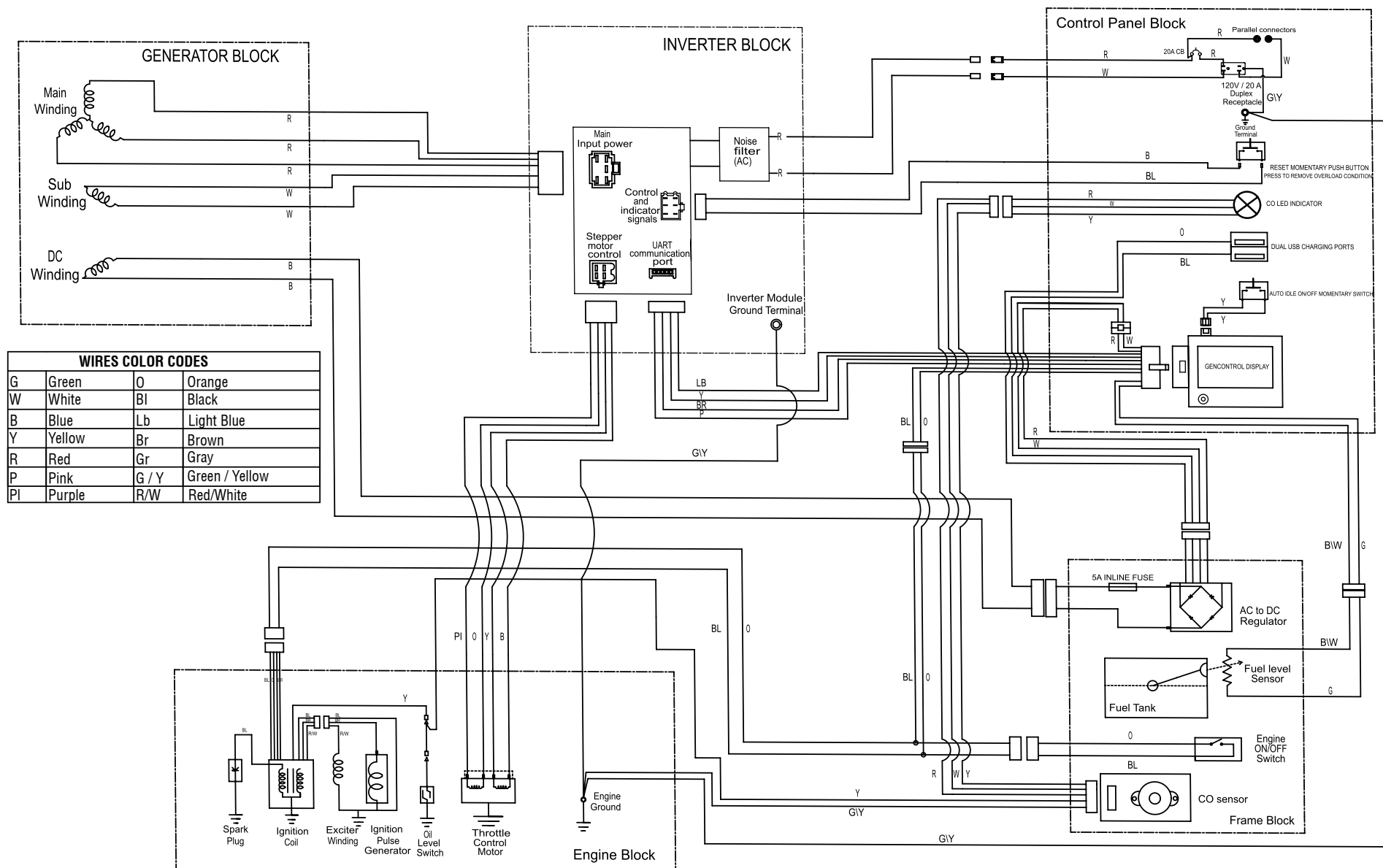
RYi2322VNM

FIGURE F



PARTS LIST — FIGURE F

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	940758016	Handle Release Label	1
2	940705362	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	940779186	Performance Label (Maintenance Door)	1
9	940779257	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	941008041	Gen Control/Bluetooth Label	1
17	940705462	Co Detect/Easy Start Logo Label	1
18	940647139	Choke Label	1
19	940779184	Performance Label	1
20	940310006	FCC ID Label	1
21	940779249	LED Light Legend Label	1
22	941207011	CO Automatic Shut Down Label	1
23	940947031	Do Not Tamper Warning Label	1



WIRING DIAGRAM