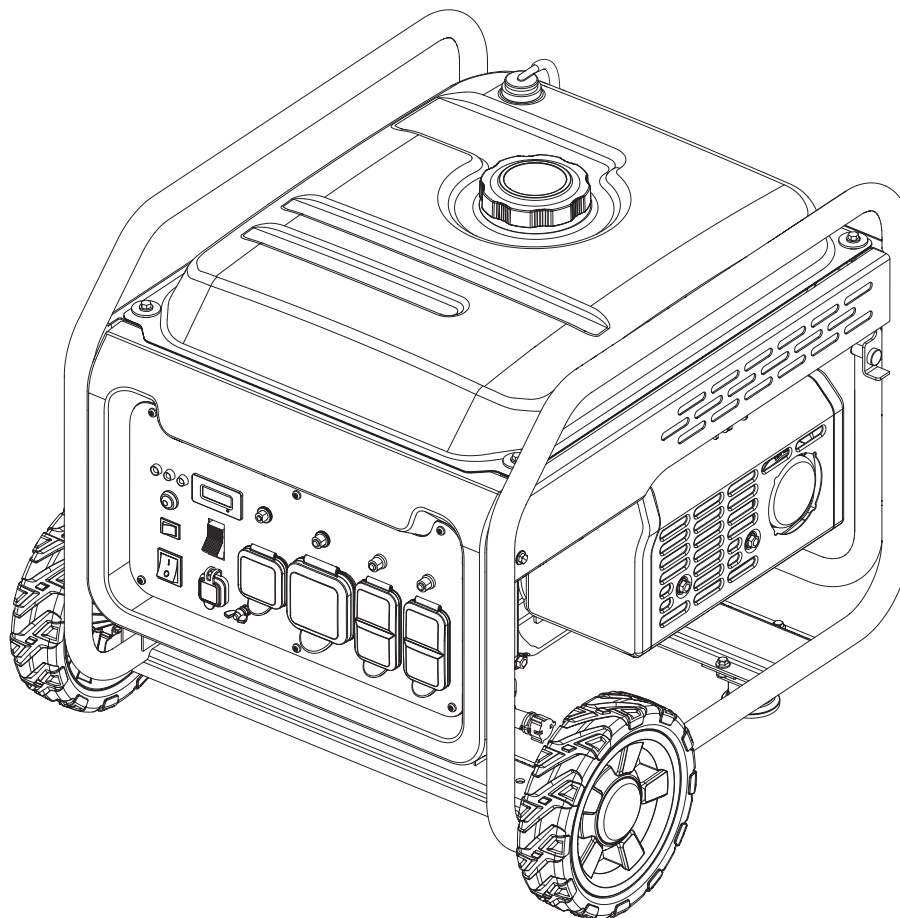


REPAIR SHEET

BRAND RYOBI		DESCRIPTION INVERTER GENERATOR
MODEL NO. RYi6522VNM	MFG. NO. 099930792	



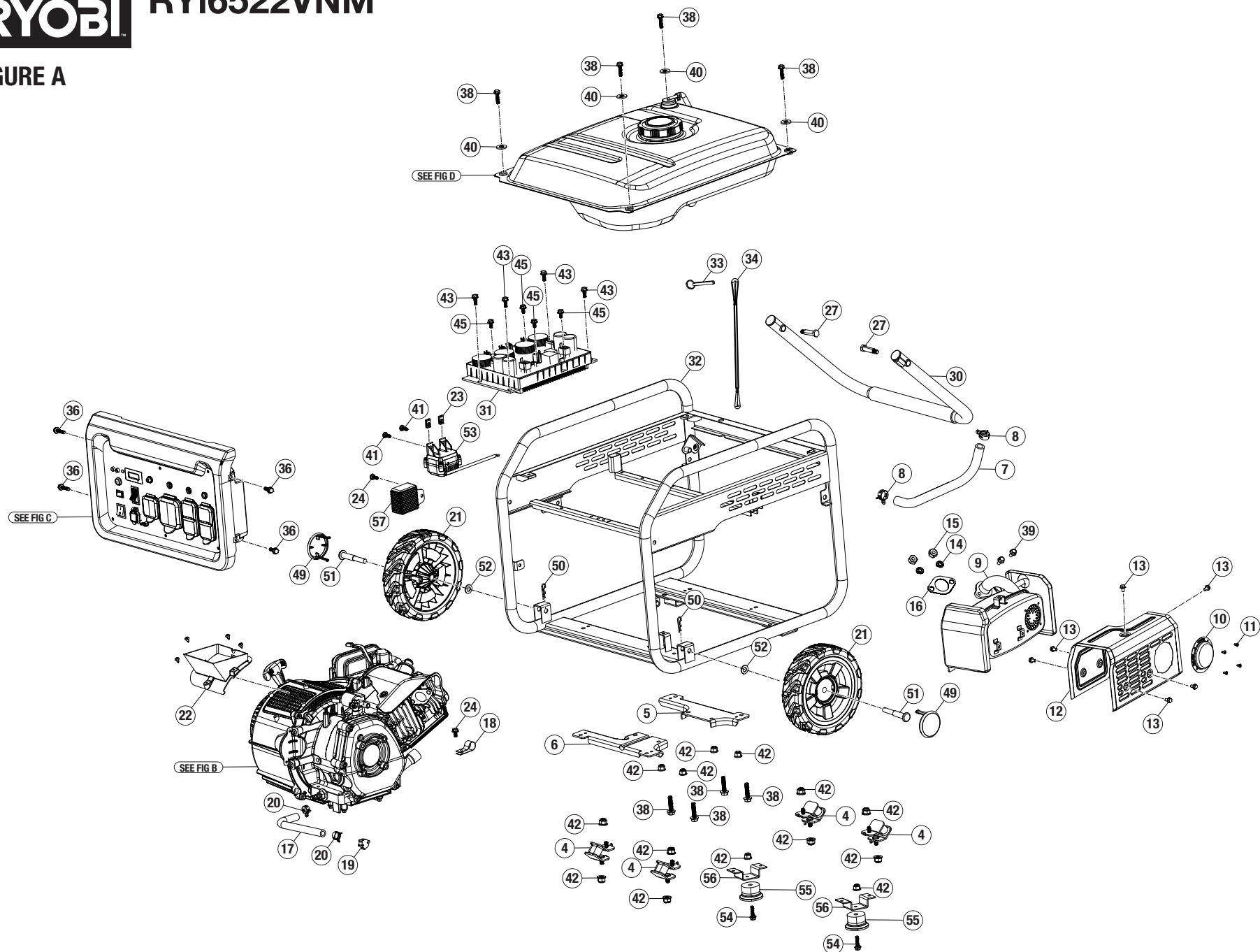
TECHTRONIC INDUSTRIES POWER EQUIPMENT

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

998000284
6-2-25 (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.

FIGURE A





RYi6522VNM

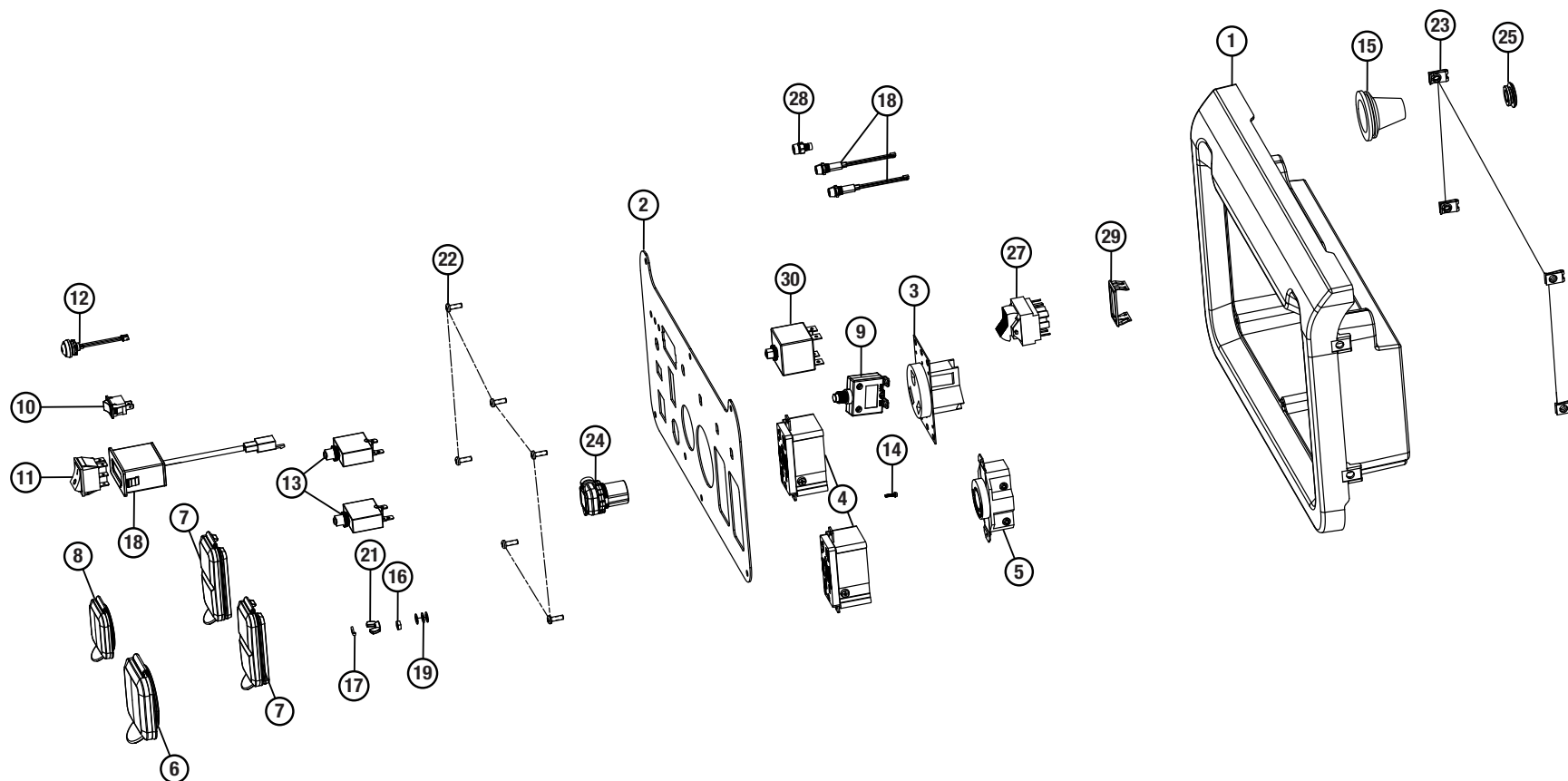
PARTS LIST — FIGURE A

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	See Fig B	Inverter Engine Assembly	1
2	See Fig C	Electrical Panel Housing Assembly	1
3	See Fig D	Fuel Tank Assembly	1
4	679940015	Isolator	4
5	638496073	Engine Bottom Plate (Left)	1
6	638496074	Engine Bottom Plate (Right)	1
7	570358227	Pair Valve Hose	1
8	678408021	Hose Clamp (ID 20 mm)	2
9	309322063	Muffler assembly	1
10	638497117	Spark arrestor	1
11	660624001	Screw (#8-32 x 0.3125 in., Pan Hd.)	4
12	638497118	Heat Shield	1
13	660972011	Bolt (M6 x 10 mm)	6
14	673155001	Lock Washer (M8 x 2.5 mm)	2
15	678355001	Nut (M8)	2
16	678728009	Inline Exhaust Gasket	1
17	570358228	Oil Drain Hose	1
18	519729003	Clamp	1
19	519813041	Oil Drain Hose Cap	1
20	678408022	Hose Clamp	2
21	317161010	Wheel Assembly	2
22	309591392	Fan Shroud Duct	1
23	678824004	U-Clip	2
24	662979001	Bolt (M6 x 12 mm, Flange Hex Hd.)	4
25	638387002	Washer (1/4 in.,)	8
26	660901003	Screw (1/4-20 x 1 in., T30 Torx Hd.)	4
27	678522027	Handle Pivot Bolt	2
28	638128002	Washer (5/16 in.)	4
29	678259003	Lock Nut (5/16-18)	2
30	308581127	Handle Assembly (Inc. Key No. 33)	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
31	290991055	Inverter Module	1
32	308581128	Frame Assembly	1
33	310712002	Release Pin	1
34	310715001	Lanyard	1
35	662979001	Bolt (M6 x 12 mm, Flange Hex Hd.)	4
36	662979002	Bolt (M6 x 25 mm, Flange Hex Hd.)	4
37	660962010	Bolt (M6 x 35 mm, Flange Hex Hd.)	2
38	662979004	Bolt (M8 x 35 mm, Flange Hex Hd.)	8
39	663371001	Bolt (M8 x 16 mm, Flange Hex Hd.)	2
40	638128002	Washer (ID.37 x OD .89 x .1t)	4
41	660764013	Bolt (M6 x 16 mm, T30 Torx Pan Hd.)	2
42	678774002	Lock Nut (M8 x 1.25 mm)	12
43	662979005	Bolt (M6 x 16 mm, Flange Hex Hd.)	8
44	638704001	Star Washer	3
45	660962018	Screw (M4 x 12 mm, Pan Hd.)	4
46	662979001	Bolt (M6 x 12 mm, Flange Hex Hd.)	4
47	693001001	Spring Washer	6
48	660973019	Bolt (M8 x 40 mm, Hex Hd.)	1
49	542861001	Wheel Cap	2
50	678146004	Hitch Pin	2
51	620599056	Stepped Wheel Axle	2
52	638422004	Washer	2
53	290432083	CO Detector Assembly	1
54	660962024	Handle Shoulder Bolt (M8)	2
55	570554022	Rubber Foot	2
56	638494046	Frame Foot Bracket	2
57	290443005	DC Regulator	!
	Not Shown:		
	999000300	Operator's Manual	
	999000301	Quick Reference Guide	

Note A: Techtronic Industries Power Equipment, Inc., Will not provide complete engines as replacement parts. Engines are covered through the engine manufacturer's warranty. Consult the accompanying engine manual or contact our service department for assistance.

FIGURE B





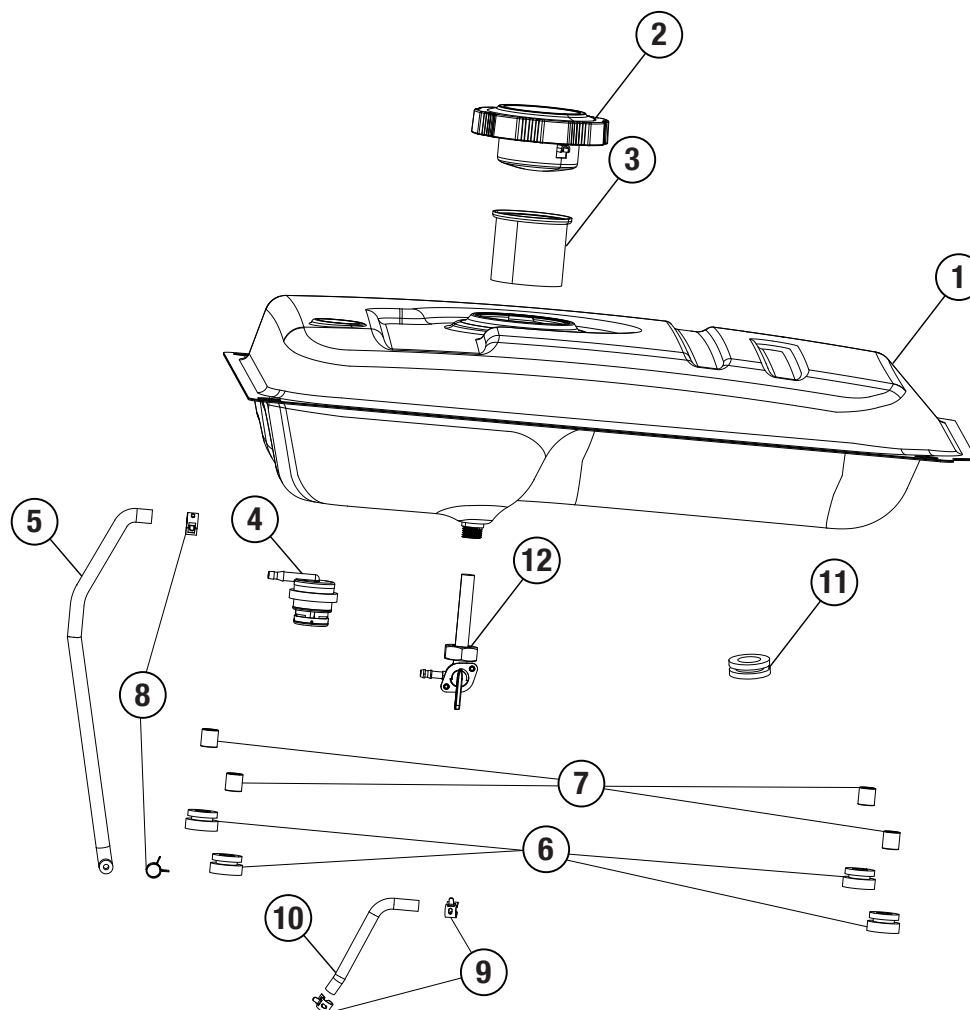
RYi6522VNM

PARTS LIST — FIGURE B

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	519815023	Electrical Panel Housing	1
2	638496072	Control Panel	1
3	290400009	Receptacle (120v 30a RV)	1
4	290400023	GFCI Self Test- No Feed Through (120v)	2
5	290401004	Twist Lock Tall (120/240 Volt 30amp)	1
6	570412013	Outlet Cover	1
7	570412008	Receptacle Rain Cover (120v)	2
8	570412007	Receptacle Rain Cover (240v)	1
9	780350015	Circuit Breaker 30 Amp	1
10	760504016	Rocker Switch - Auto Idle	1
11	270290025	Engine Start-Stop Switch	1
12	760945004	Momentary Pushbutton Switch - Auto Idle	1
13	780350001	Circuit Breaker 20 Amp 1 Pole	2
14	660976002	Bolt (M5 x 16, Pan Hd)	1
15	570766019	Rubber Grommet	1
16	678016008	Nut (M5)	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
17	678343003	Split Lock Washer (OD9 x ID5 x 1.3t)	1
18	270290022	Indicator	2
19	638623005	Washer (OD5.3 x ID10 x 0.5t)	3
20	290492005	Digital Meter 4-1	1
21	678016009	Wing Nut (M5)	1
22	660899002	Screw (#8-18 x 0.5 in)	6
23	678824004	U-Clip (M6)	4
24	270290037	LED Indicator	1
25	570766010	Grommet	1
26	290443005	DC Regulator	1
27	270290038	Voltage Switch	1
28	290400037	USB Outlet and Cover	1
29	570412018	Voltage Switch Trim Piece	1
30	780350018	Dual Pole Breaker	1

FIGURE C

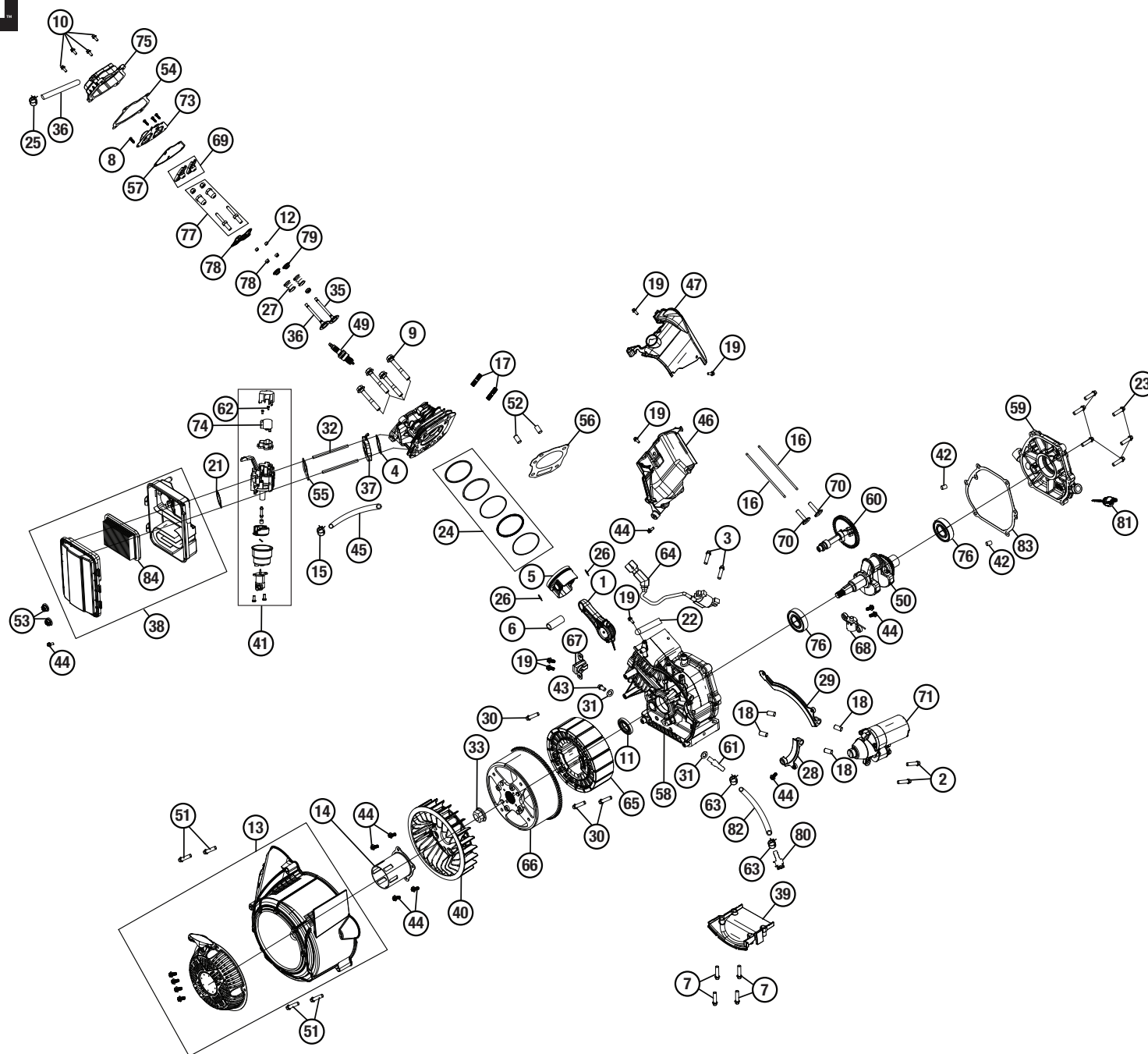


PARTS LIST — FIGURE C

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	310711089	Fuel Tank	1
2	310720044	Fuel Cap Assembly	1
3	678981009	Fuel Tank Mesh Filter	1
4	310854006	Rollover Valve	1
5	570358229	Vapor Hose	1
6	519832010	Fuel Tank Isolator	4

KEY NO.	PART NO.	DESCRIPTION	QTY.
7	518528004	Fuel Tank Insert	4
8	678409003	Fuel Line Clamp (7/16 in)	2
9	678408005	Fuel Line Clamp (3/8 in)	2
10	570358230	Fuel Hose	1
11	570358091	Fuel Hose Protector	1
12	678670009	On-Tank Fuel Valve	1

FIGURE E





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PARTS LIST — FIGURE E

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	401501	Connecting Rod Assembly	1
2	91350	Bolt (M8 x 45 mm)	2
3	91333	Bolt (M6 x 28 mm)	2
4	96235	Intake Packing	1
5	491201	Piston	1
6	245502	Piston Pin	1
7	91335	Bolt (M6 x 35 mm)	4
8	92360	Screw (M4 x 10 mm)	4
9	91452	Bolt (M10 x 70 mm)	4
10	91330	Bolt (M6 x 20 mm)	4
11	93509	Oil Seal	1
12	241804	Rotator	2
13	404715-010A	Recoil Starter Assembly	1
14	404501	Starter Pulley	1
15	94403	Fuel Line Clip	1
16	401901	Push Rod	2
17	91007	Air Outlet Stud Bolt (M8 x 38 mm)	2
18	240905	Pin Dowel	4
19	91325	Bolt (M6 x 12 mm)	6
20	241806	Valve Seal	1
21	94324	Carburetor Spacer	1
22	599601	Metal Clamp	1
23	91347	Bolt (M8 x 30 mm)	6
24	491601	Piston Scraper Ring Set	1
25	94436	Fuel Line Clip	1
26	241301	Piston Clip	2
27	406001	Valve Spring	2
28	400902	Side Guard Crankcase (Right)	1
29	409901	Side Guard Crankcase (Top)	1
30	91400	Bolt (M6 x 60 mm)	3

KEY NO.	PART NO.	DESCRIPTION	QTY.
31	94007	Drain Plug Washer	2
32	92282	Air Inlet Stud Bolt (M6 x 125 mm)	2
33	90003	Nut (M14)	1
34	401702	In Valve	1
35	405902	Valve Exhaust	1
36	95674	Breather Tube	1
37	402302	Carburetor Insulator	1
38	400001	Air Cleaner Assembly	1
39	400501	Wind-Lead-Cover	1
40	404602	Recoil Starter Fan	1
41	402808	Carburetor Assembly	1
42	240901	Casecover Dowel Pin	2
43	91816	Drain Plug	1
44	91329	Bolt (M6 x 16 mm)	9
45	95409L	Fuel Line	1
46	400503	Cylinder Head Lower Guard	1
47	400502	Cylinder Head Above Guard	1
48	401003	Cylinder Head	1
49	97108	Spark Plug	1
50	400002	Crankshaft Assembly	1
51	91339	Bolt (M6 x 50 mm)	4
52	400901	Dowel Pin	2
53	90016	Nut M6	2
54	96225	Headcover Packing	1
55	96224	Carburetor Packing	1
56	96279	Cylinder Head Gasket	1
57	96226	Cylinder Head Internal Cover Seal Washer	1
58	400003	Crankcase	1
59	400104	Crankcase Cover Assembly	1
60	402002	Camshaft Assembly	1

⚠ WARNING: To avoid possible personal injury or equipment damage, a registered electrician or an authorized service representative should perform installation and all service. Under no circumstances should an unqualified person attempt to wire into a utility circuit.



RYi6522VNM

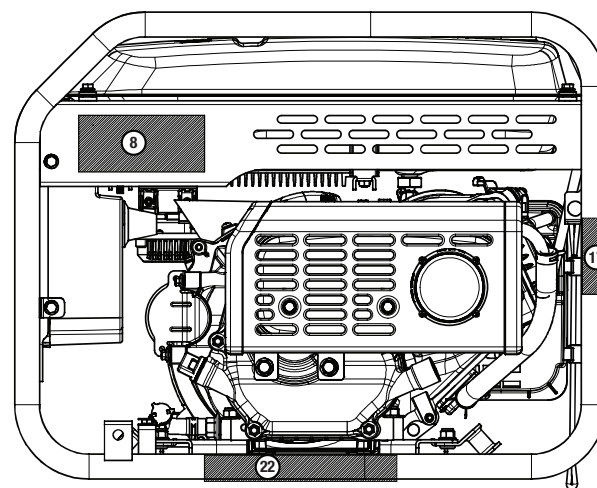
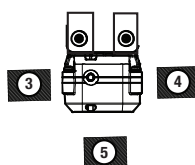
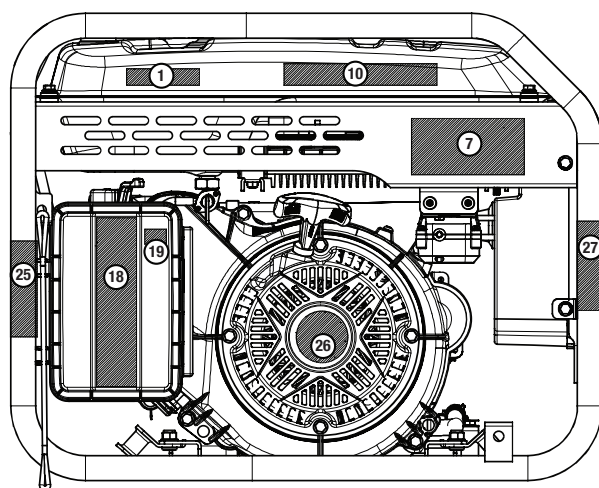
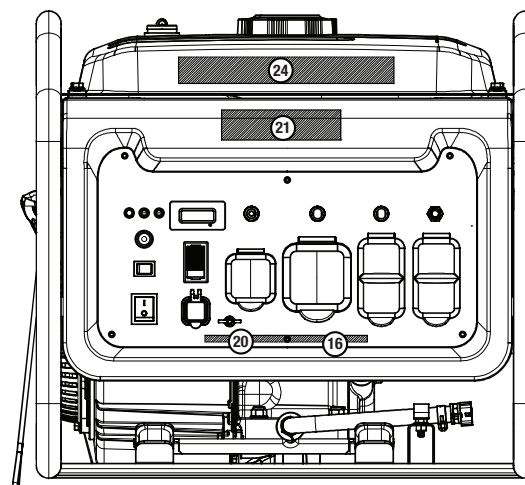
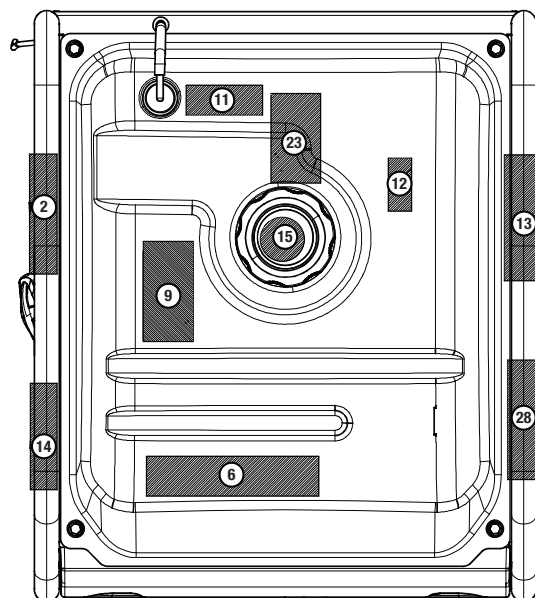
PARTS LIST — FIGURE E (cont.)

KEY NO.	PART NO.	DESCRIPTION	QTY.
61	409905	Sealing Bolt	1
62	92239	Bolt (M3 x 8 mm)	2
63	449916	Clamp	2
64	507176	Ignition Coil	1
65	507080	Rotor	1
66	507081	Stator	1
67	507177	Trigger	1
68	245106	Oil Level Switch Assembly	1
69	402101	Rocker Assembly	2
70	406101	Valve Lifter	2
71	97475	Starting Motor Assembly	1
72	402201	Push Rod Guide Plate	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
73	401102	Cylinder Head Internal Cover	1
74	507153	Stepper Motor	1
75	401101	Cylinder Head Cover	1
76	93013	Ball Bearing	2
77	91818	Adjuster Rocker Arm	2
78	400801	Valve Lock Clamp	4
79	401801	Valve Spring Retainer	2
80	449917	Drain Plug Assembly	1
81	245601-138	Dipstick	1
82	449913	Oil Outlet Pipe	1
83	96222	Cascover Packing	1
84	2373	Foam Air Filter	1

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RYOBI RYi6522VNM



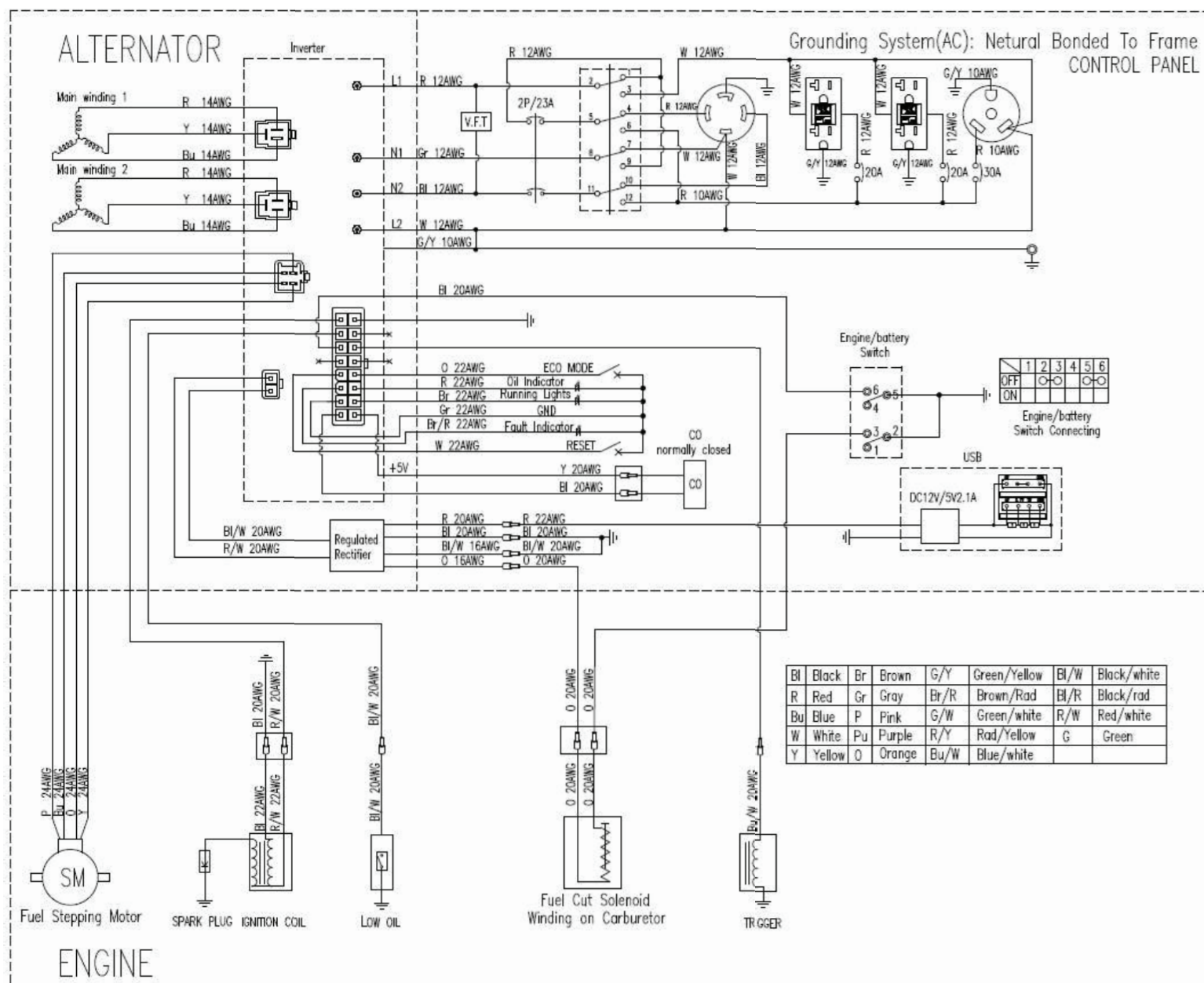


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PARTS LIST — LABELS

KEY NO.	PART NO.	DESCRIPTION	QTY.
1	941486008	Inquiries Label	1
2	940947025	Combustion Label	1
3	941207013	Do Not Tamper Label (EN)	1
4	941207014	Do Not Tamper Label (SP)	1
5	941207016	CO LED Warning Label	1
6	940515016	CPSC Label (EN)	1
7	940779720	CO Detect Label	1
8	940779714	Danger Label	1
9	940779715	CO Warning Label (EN/FR)	1
10	940779716	CO Warning Label (SP)	1
11	940872003	E85 Label	1
12	941209003	Exhaust Direction Label	1
13	940974089	Fire Distance Label	1
14	940974007	Fire Danger Label	1

KEY NO.	PART NO.	DESCRIPTION	QTY.
15	940872022	Remove Cap Fuel Stabilizer Label (EN)	1
16	940779717	Ground Warning Label	1
17	940779718	Hot Surface Label	2
18	940779719	Choke Start Instructions Label	1
19	940779725	Run Restart Label	1
20	940779723	Pure Sine Wave Label	1
21	940779726	Logo Label	1
22	940708019	Lubricant Label	1
23	940971087	Notice Hangtag Label	1
24	940779722	Performance Label	1
25	940514001	Label-Locking Pin	1
26	940779724	Recoil Label	1
27	941207019	Do Not Tamper Label (EN/FR)	1
28	940872027	Fuel Stabilizer Label (FR/SP)	1



WIRING DIAGRAM