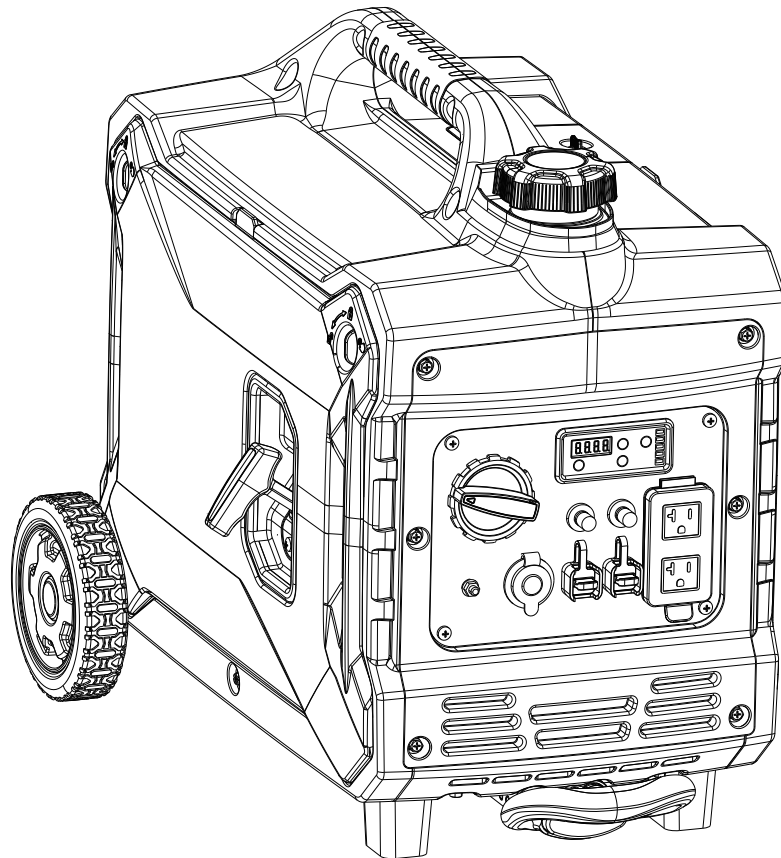




Champion Power Equipment, Inc., Santa Fe Springs, CA USA

MODEL #100571



PARTS INFORMATION

3500W PORTABLE INVERTER GENERATOR

SERIAL NUMBER RANGE: ALL



To order replacement parts please visit:
shop.championpowerequipment.com
or call **1-877-338-0999**.

TABLE OF CONTENTS

Inverter Generator Diagram..... 3

Inverter Generator Parts List 4

Engine Diagram 6

Engine Parts List 7

Cylinder Head Diagram..... 9

Cylinder Head Parts List 10

Carburetor Diagram 11

Carburetor Parts List 12

Wheel Kit Diagram 13

Wheel Kit Parts List 14

Fuel Tank Diagram 15

Fuel Tank Parts List..... 16

Control Panel Diagram 17

Control Panel Parts List 18

Wiring Diagram 19

INVERTER GENERATOR DIAGRAM

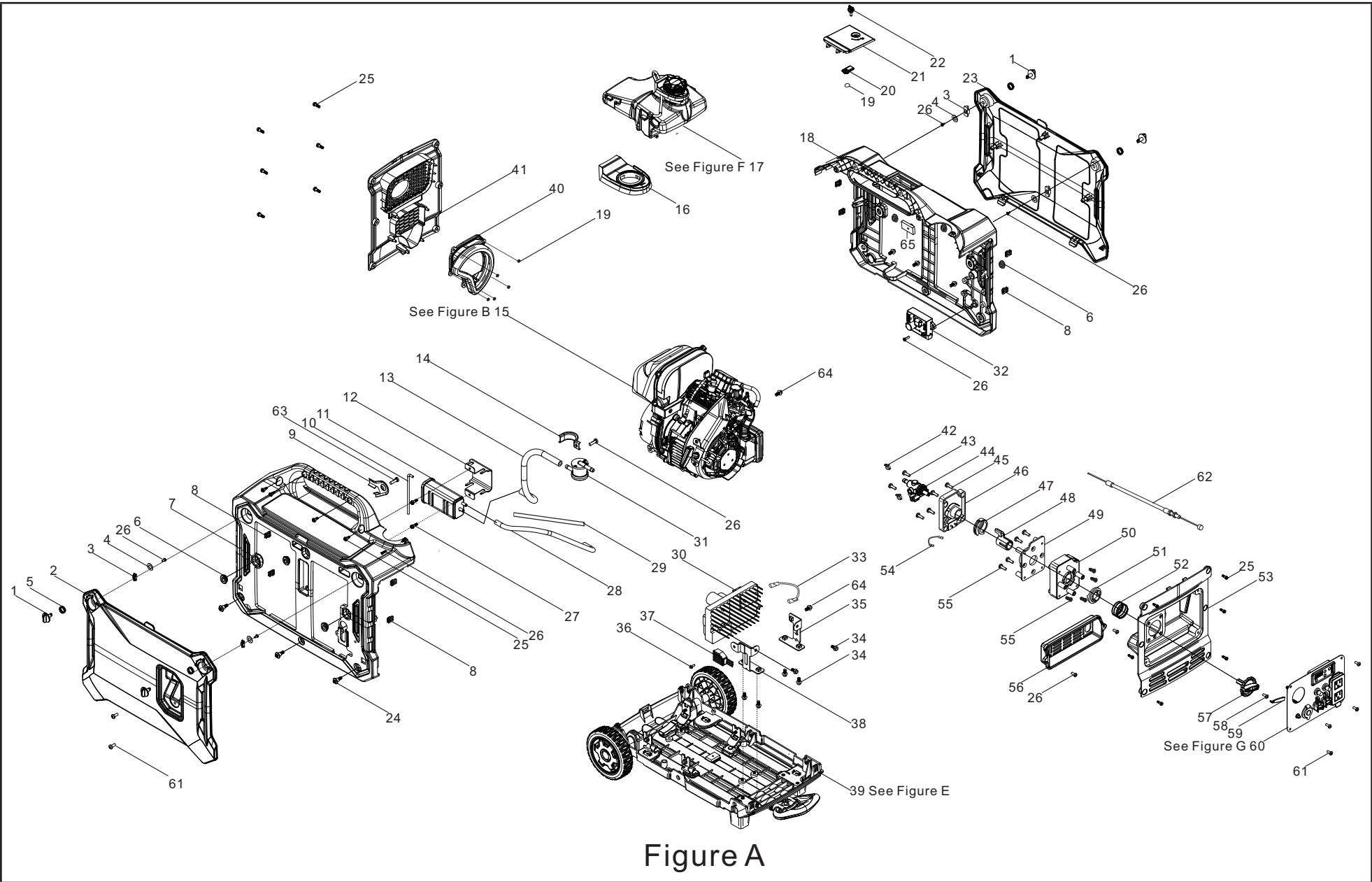


Figure A

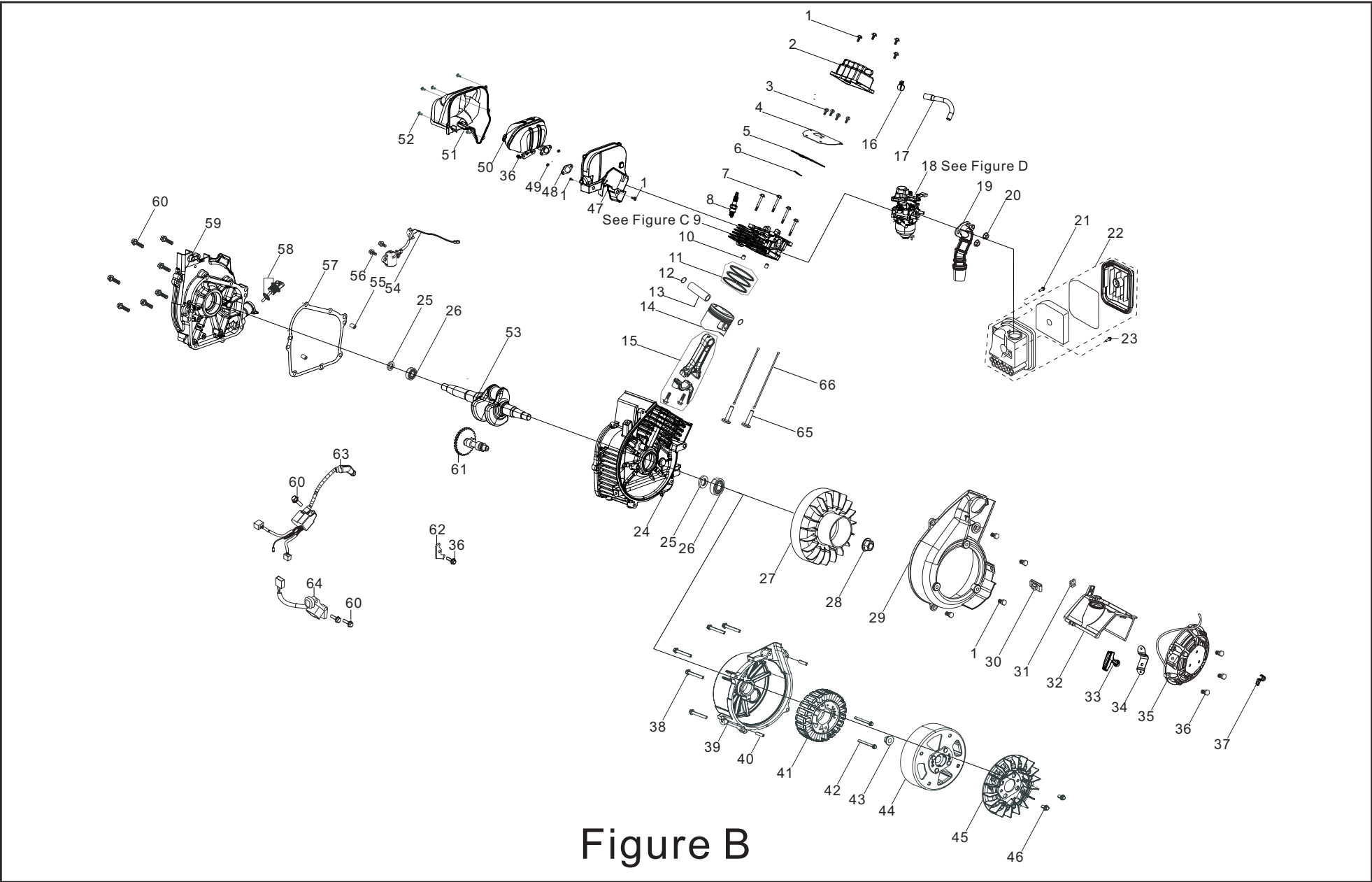
INVERTER GENERATOR PARTS LIST

#	Part Number	Description	Qty.
1	35643-YFB0110-Q2A0	Knob, Switch Dial, Engine	4
2	80092HYFB0110-L4A0	Cover Board, Left	1
3	24329-YFB0110-Q200	Block	4
4	90408-0400-E301	Flat washer	4
5	16527-YFB0110-0000	Spring, Stopper Adjusting	4
6	16601-Y2V0210-0000	Vibration Mount, Fuel Tank	6
7	80091HYFB0110-Q200	Shell, Left	1
8	17199-YB00110-00A0	Clip Nut, M5 White Zinc	8
9	30079-YFB0210-00A0	Pressing Plate 1	1
10	16804-YEN0210-0000	Connection Tube, Ø4.5 x Ø8.5 x 415	1
11	16800-Z310111-00A0	Carbon Canister, 150cc	1
12	51124-YEN0110-0000	Mounting Bracket, White Zinc	1
13	16804-YFB0110-00A0	Connection Tube, Ø4.5 x Ø8.5 x 212	1
14	30079-YFB0110-09A0	Pressing Plate, White Zinc	1
15	R120MVI00FGB-CMP02	Engine, R120-VI, See Figure B	1
16	16641-Y2V0110-0000	Rubber Sleeve, Filling Fuel Hole	1
17	96003-ZSS0Q10-0000	Fuel Tank Assembly - See Figure F	1
18	80095HYFB0110-Q200	Shell, Right	1
19	37073-Y2V0110-00A0	Clip, Spring	6
20	24329-Y9T0120-Q201	Block 2	1
21	80102HYFB0110-Q200	Side Access Panel, Service	1
22	80105-YB00110-Q201	Knob, Side Access Panel, Service	1
23	80096HYFB0110-L4A0	Cover Board, Right	1
24	90208-YB00110-0000	Hexagonal Step Bolt, M6 x 20, Black Zinc	6
25	90208-YB00410-0000	Hexagonal Step Bolt, M5 x 16, Black Zinc	16
26	90124-Y9T0310-00A0	Self Tapping Screw, PT4.2x13	10
27	90134-YB00110-0000	Bolt, M5 x 12, Black Zinc	2
28	16805-YEN0110-0000	Connection Tube, Air Cleaner	1
29	30431-YBW0310-0000	Rubber Sleeve	1
30	30043-YFB0110-0000	Inverter, 120V, 60Hz	1

#	Part Number	Description	Qty.
31	15150-YFB0110-00A0	One Way Valve	1
32	35720-YJR0110-0000	CO Alarm	1
33	30009-YDZ0310-0000	Grounding Wire	1
34	90001-0612-01A0	Hexagon Flange Bolt, M6 x 12, White Zinc	6
35	30081-YDZ0410-01A0	Bracket, Inverter, Right, White Zinc	1
36	90001-0616-01A0	Hexagon Flange Bolt, M6 x 16, White Zinc	1
37	30060-YHV0110-0000	Rectifier	1
38	30081-YDZ0310-01A0	Bracket, Inverter, Left, White Zinc	1
39	96003-ZSS0U10-0000	wheel kit - See Figure E	1
40	53202-Y2V0110-0000	Rubber Sleeve, Connector	1
41	18002HYFB0110-Q200	Louver, Muffler	1
42	90685-D085-0EA0	Clamp, Ø8.5 x 0.6 x 8, Army Green Zinc	2
43	90255-0410-51A0	Screw & Washer Assembly, M4 x 10, White Zinc	2
44	16750-YJ10110-0000	Switch, Fuel	1
45	90107-0413-03A0	Self tapping screw, ST4.2x13, Black Zinc	4
46	50132HYHX0110-0000	Bracket, Switch	1
47	16144-YHX0110-0000	Stop block, Choke Pull	1
48	16144-YHX0210-0000	Stop block, Choke Pull	1
49	16265-YHX0110-Q200	Support Plate	1
50	35021-YHX0110-0000	Control Enclosure	1
51	16265-YHX0210-Q200	Support Plate	1
52	28224-YHX0110-00A0	Compression Spring	1
53	35680HYFB0110-0000	Seat, Panel	1
54	35191-YFB0110-0000	Wiring Harness, Microswitch	1
55	90129-0416-01A0	Self Tapping Tcrew, White Zinc	8
56	19313-YFB0110-Q2A0	Wind Deflector, Seat Panel	1
57	35643-YFB0210-Q2A0	Knob, Switch Dial, Engine	1
58	90103-0416-51A0	Screw, M4 x 16 White Zinc	1
59	82007-YJ70110-L400	Decorative Cover, Knob	1

#	Part Number	Description	Qty.
60	35610-YFB0110-H700	Control Panel Assembly - See Figure G	1
61	90255-0512-53A0	Screw & Washer Assembly,M5 x 12, Black Zinc	6
62	16080-YFB0110-0000	Choke Handle Subassembly	1
63	90104-0525-59A1	Screw, M5 x 16 White Zinc	1
64	90001-0610-01A0	Hexagon Flange Bolt, M6 x 10, White Zinc	2
65	50033-YEN0110-0000	Cushion Rubber	1

ENGINE DIAGRAM



ENGINE PARTS LIST

#	Part Number	Description	Qty.
1	90007-0616-A1A0	Hexagon Flange Bolt, M6 x 16, White Zinc	10
2	12410-Z2X0110-0B00	Cylinder Head Cover Subassembly	1
3	90103-0308-51A0	Cross Recess Pan Head Screw, M3x8, White Zinc	4
4	11332-Z2X0110-0000	Gasket, Breather Groove Cover	1
5	12004-Z2X0110-0000	Cylinder Head Cover Gasket	1
6	11320-Z2X0110-0000	Piece Assembly, Breather	1
7	12003-Z020110-00A0	Cylinder Head Bolt, M8 x 65, White Zinc	4
8	30010-Z350210-00A0	Spark Plug, F6RTC	1
9	96003-ZSS0010-0000	Cylinder Head - See Figure C	1
10	90502-1014-00A0	Pin, Ø10 x 14	2
11	13200-Z2X0110-0000	Piston Ring Assembly	1
12	13122-Z350110-00A0	Piston Pin Clip	2
13	13121-Z250110-00A0	Piston Pin	1
14	13111-Z2X0110-0000	Piston	1
15	13010-Z2X0110-0000	Connecting Rod	1
16	90685-Z120110-0100	Clamp, Ø14	1
17	17004-Z2X0110-00A0	Tube, Breather	1
18	96003-ZSS0P10-0000	Carburetor-See Figure D	1
19	17110-Z800110-00A0	Inlet Pipe Assembly, Air Cleaner	1
20	90305-0600-31A0	Hexagon Flange Nut, M6, White Zinc	2
21	90001-0625-01A0	Hexagon Flange Bolt, M6 x 25, White Zinc	1
22	17100-Z2X0110-0000	Air Cleaner	1
23	90007-0520-A1A0	Hexagon Flange Bolt, M5 x 20	1
24	11310-Z2X0110-0000	Crankcase Subassembly	1
25	90682-Z800110-00A0	Oil Seal, Ø20 x Ø35 x 5	1
26	90547-0204-00	Bearing	1
27	13510-Z2X0110-0000	Flywheel Subassembly	1
28	13501-Z510110-00A0	Flywheel Nut, M12 x 1.25, White Zinc	1
29	28110-Z2X0111-0000	Shroud	1

#	Part Number	Description	Qty.
30	17199-Y2V0110-00A0	Clip Nut, M5	1
31	90804-Z800210-0000	Stop Block	1
32	12014-Z2X0110-0000	Guide plate, Cylinder Head	1
33	28210-YEB0110-L400	Handle, Starter Rope	1
34	28004-YHX0110-Q200	Guide Plate Assembly, Starter Rope	1
35	28200-Z800210-Q200	Recoil Starter Assembly	1
36	90007-0612-A1A0	Hexagon Flange Bolt 2, M6 x 12, White Zinc	5
37	90684-Z030120-0000	Clamp	1
38	90001-0630-01A0	Hexagon Flange Bolt, M6 x 30, White Zinc	5
39	30024-YEN0110-0000	Shroud, Motor	1
40	90502-0814-00A0	Pin, Ø8 x 14	2
41	30120-YFB0110-00A0	Stator Component, Ø120 x 31	1
42	90001-0645-01A0	Hexagon Flange Bolt, M6 x 45, White Zinc	2
43	90306-1200-31A0	Hexagon Flange Nut, M12, White Zinc	1
44	30110-YFB0110-00A0	Rotor Component	1
45	19352-Y2V0110-Q2A0	Engine Fan	1
46	90001-0610-01A0	Hexagon Flange Bolt, M6 x 10, White Zinc	2
47	18013HZ2X0110-0000	Muffler cover	1
48	18001-Z2X0110-0000	Exhaust Outlet Gasket	1
49	90303-0600-31A0	Hexagon Nut, M6, White Zinc	2
50	18100-YEN0111-00A0	Muffler Assembly	1
51	18109-Z2X0110-0000	Heat Shield	1
52	90107-4816-01A0	Cross Recessed Pan Head Tapping Screws	5
53	13300-Z2X0110-0000	Crankshaft Assembly	1
54	37060-Z800211-0000	Engine oil Sensor, W/O Nut	1
55	90502-0812-00A0	Pin, Ø8 x 12	2
56	90007-0612-A1A0	Hexagon Flange Bolt 2, M6 x 12, White Zinc	2
57	11001-Z2X0210-00A0	Crankcase Gasket	1
58	15010-Z800131-Q200	Oil Dipstick Subassembly	1
59	11411-Z2X0110-0000	Crankcase Cover	1

#	Part Number	Description	Qty.
60	90007-0620-A1A0	Hexagon Flange Bolt, M6 x 20, White Zinc	10
61	14200-Z2X0110-0000	Camshaft Assembly	1
62	54066-Z800110-00A0	Wiring plate, Engine oil Sensor	1
63	30700-Z2X0210-0000	Igniter	1
64	30400-Z2X0210-0000	Ignition Coil	1
65	14081-Z2X0110-0000	Valve Tappet	2
66	14071-Z2X0110-0000	Valve Lifter	2

CYLINDER HEAD DIAGRAM

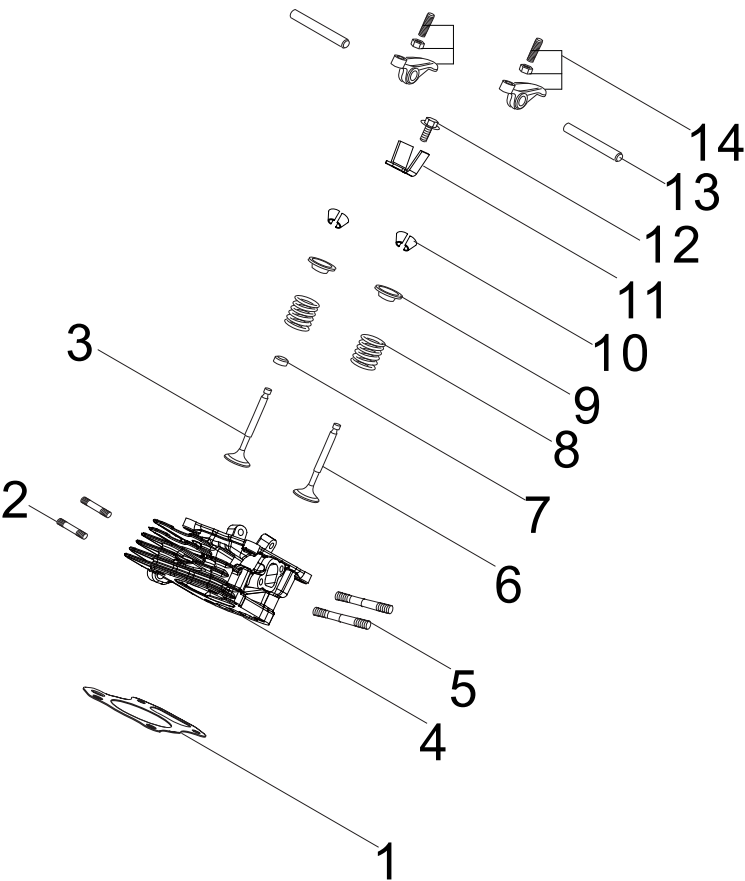


Figure C

CYLINDER HEAD PARTS LIST

#	Part Number	Description	Qty.
1	12131-Z2X0110-0000	Cylinder Head Gasket	1
2	90204-Z800210-00A0	Stud, M6 x 25, White Zinc	2
3	12121-Z1F0110-0000	Exhaust Valve	1
4	12140-Z2X0110-0000	Cylinder Head	1
5	90204-Z800110-00A0	Stud, M6 x 88, White Zinc	2
6	12111-Z1F0110-0000	Intake Valve	1
7	12101-Z1F0110-0000	Seal Guide	1
8	12103-Z1F0110-00A0	Valve Spring	2
8	12112-Z810210-00A0	Valve Spring Retainer	2
9	12109-Z810110-00A0	Valve Lock Clamp	4
10	12419-Z2X0110-0000	Pin Plate, Cylinder Head Cove	1
11	90001-0510-01A0	Hexagon Flange Bolt, M5 x 10, White Zinc	1
12	14318-Z1F0110-0000	Valve Rocker Shaft Subassembly	2
13	14310-Z2X0110-0000	Valve Rocker Subassembly	2

CARBURETOR DIAGRAM

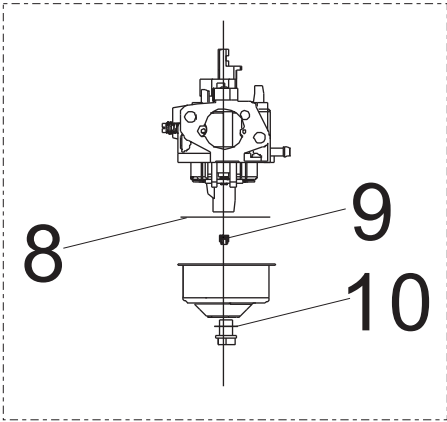
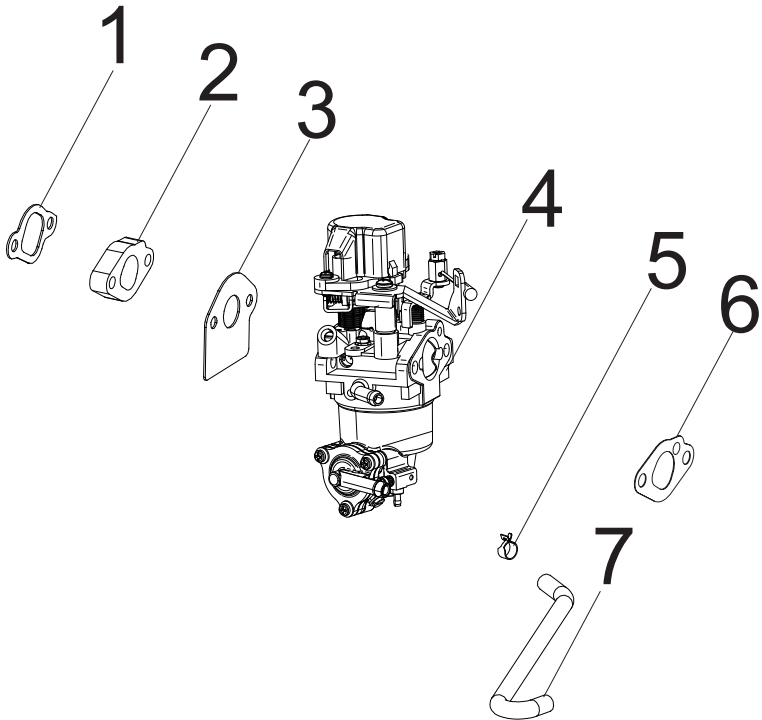
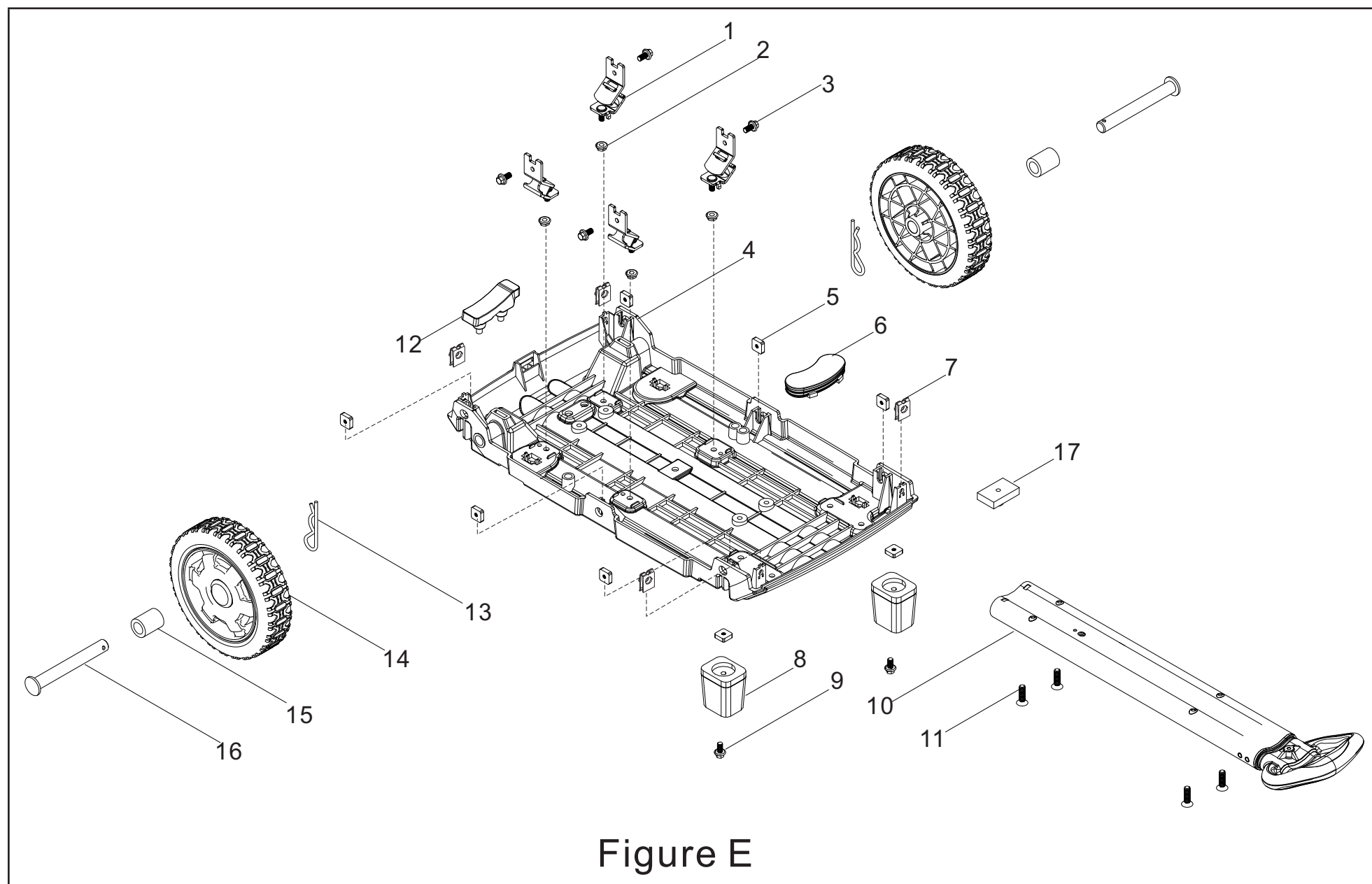


Figure D

CARBURETOR PARTS LIST

#	Part Number	Description	Qty.
1	16002-Z2X0110-0000	Carburetor Insulator Gasket	1
2	16003-Z2X0110-0000	Carburetor Insulator Plate	1
3	16001-Z800110-00A0	Carburetor Gasket	1
4	16100-Z2X0210-00A0	Carburetor Assembly	1
5	90685-D095-0EA0	Clamp	1
6	17001-Z800110-00A0	Air Cleaner Gasket	1
7	90686HY2V0110-00M0	Fuel Tube, Ø4.5 x Ø8.5 x 234.5	1
8	16112-Z800210-00A0	Seal Ring, Float	1
9	16161-Z151310-00A6	Main Jet (74#), Standard	1
	16161-Z151110-00A2	Main Jet (71#), Altitude 3000-6000 Feet	/
	16161-Z150810-00A3	Main Jet (68#), Altitude 6000-8000 Feet	/
10	90681-Z800110-00A0	Seal Ring	1

WHEEL KIT DIAGRAM



WHEEL KIT PARTS LIST

#	Part Number	Description	Qty.
1	51005HYEN0110-0000	Vibration Mount 1, Frame	4
2	90305-0600-31A0	Hexagon Flange Nut, M6, White Zinc	4
3	90001-0612-01A0	Hexagon Flange Bolt, M6 x 12, White Zinc	4
4	51143HYFB0110-Q200	Plate, Bottom	1
5	90326-Y2V0110-00A0	Nut, M6, White Zinc	8
6	90722-YFB0110-0000	Plug 1, End	1
7	17199-YB00110-00A0	Clip Nut, M5 White Zinc	4
8	51014HYFB0110-0000	Support Leg	2
9	90001-0640-01A0	Hexagon Flange Bolt, M6 x 40, White Zinc	2
10	54110-YEN0110-00A0	Handle Assembly	1
11	90104-0516-51A0	Screw, M6 x 16, White Zinc	4
12	50035-Y2V0110-0000	Bracket, Cushion Rubber	1
13	93124-U070210-0000	Pin Clamp	2
14	44110-YFB0110-L400	Front Wheel	2
15	44023-YFB0110-0000	Casing, Axle	2
16	44020-YFB0110-0300	Axle, Wheel	2
17	50033-YEN0110-0000	Cushion Rubber	1

FUEL TANK DIAGRAM

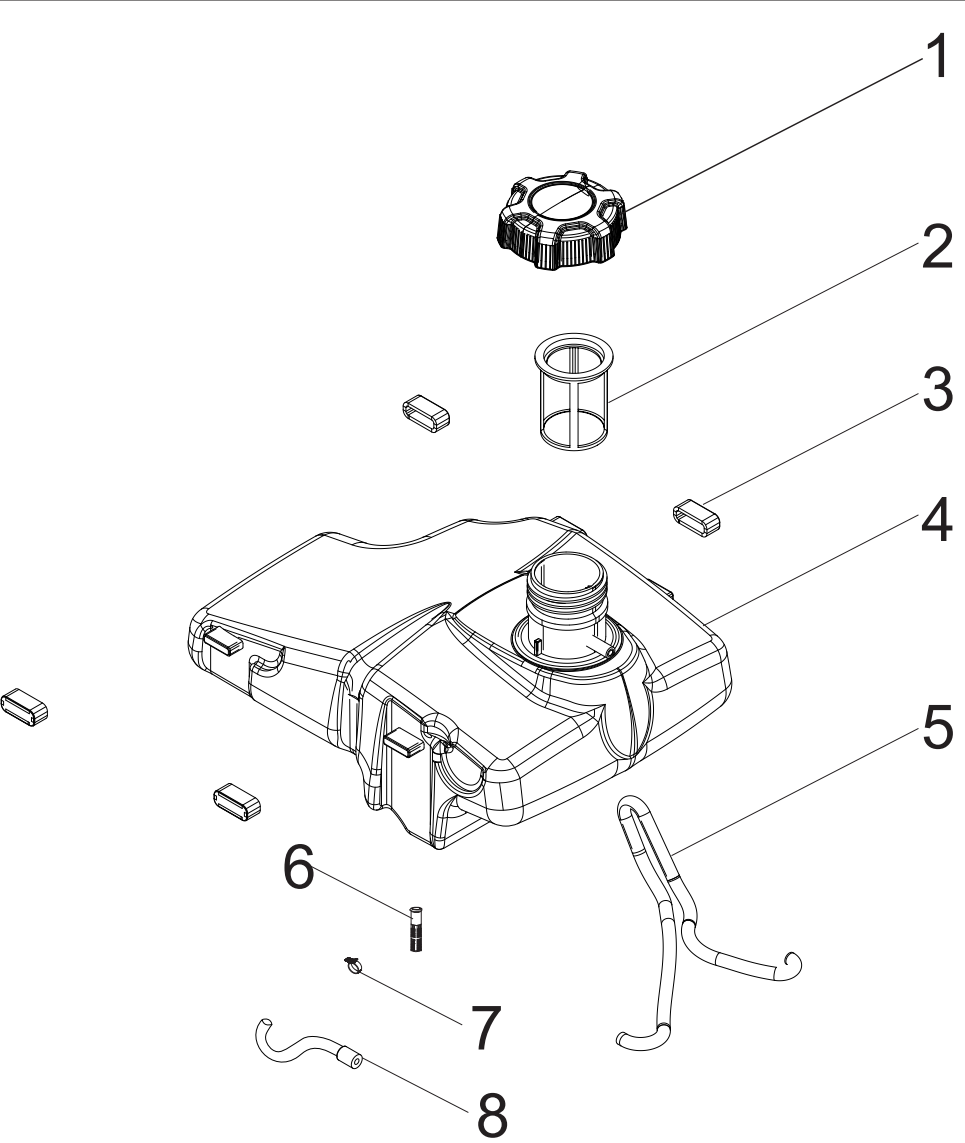


Figure F

FUEL TANK PARTS LIST

#	Part Number	Description	Qty.
1	16730-YFB0210-Q2A0	Fuel Tank Cap	1
2	16652-YFB0110-00A0	Fuel Filter	1
3	90683-Y2V0110-0000	Bushing	4
4	16620-YEN0111-Q2A0	Fuel Tank	1
5	16804-YFB0210-00a0	Connection Tube, Ø4.5 x Ø8.5 x 415	1
6	16514-YFB0110-00A0	Filter Element, Fuel Tank	1
7	90685-D105-0EA0	Clamp, Ø10.7 x 8 x 0.6	1
8	90686-YFB0110-00A0	Fuel Tube	1

CONTROL PANEL DIAGRAM

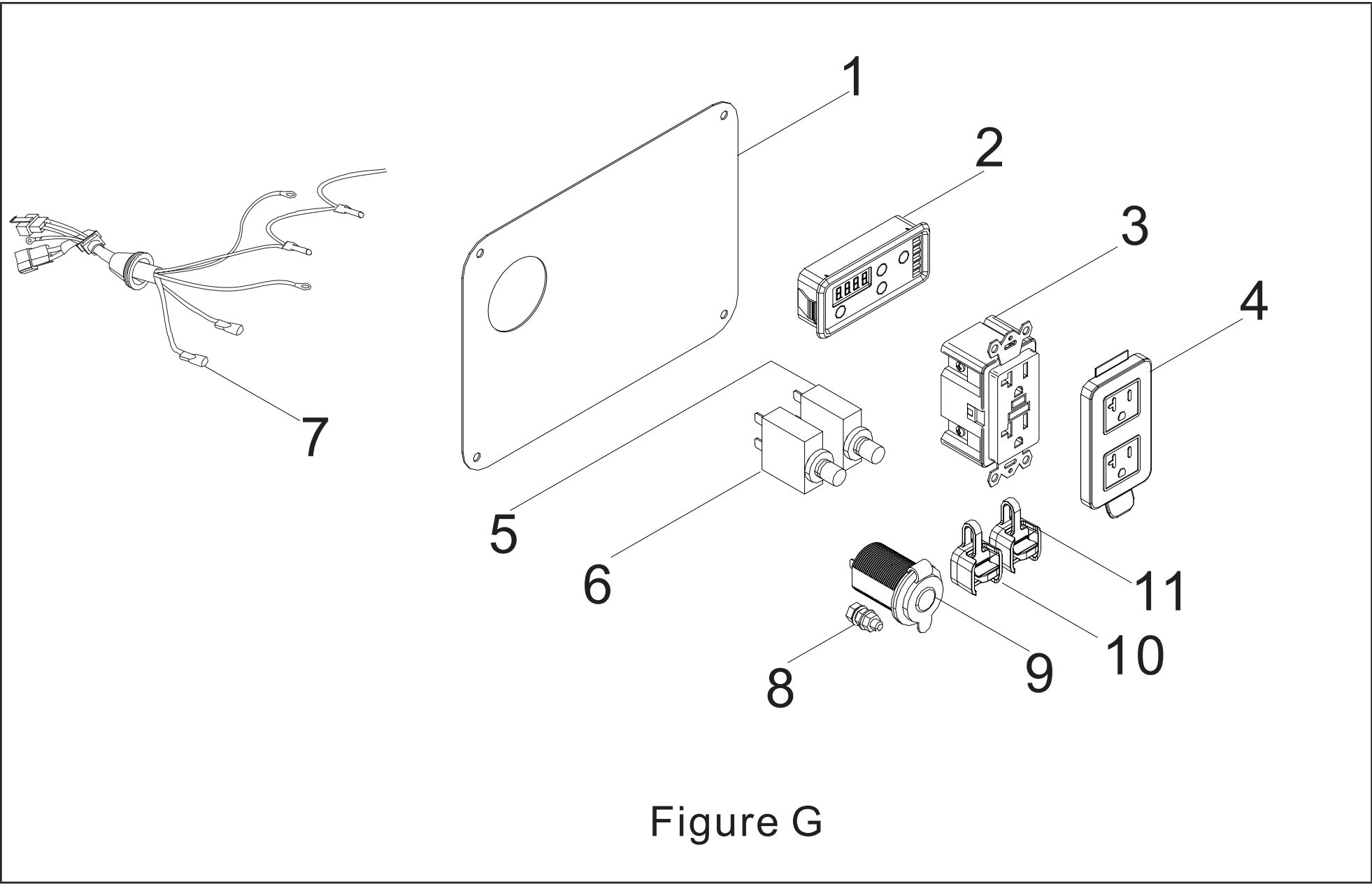


Figure G

CONTROL PANEL PARTS LIST

#	Part Number	Description	Qty.
1	35650-YFB0110-H200	Control Panel	1
2	35632-YFB0110-0000	Intelliguage, INT5CINV	1
3	35614-Y730110-0000	5-20R Duplex Receptacle, 20A, 125V	1
4	35654-YGK0910-0000	Receptacle Cover	1
5	31234-YBE0210-0000	Circuit Breaker, Push Button	1
6	31234-YBE0110-0000	Circuit Breaker, Push Button	1
7	35660HYFB0110-0000	Wire harness, Control Panel	1
8	35629-Y090110-0000	Grounding Terminal	1
9	35619-Y110110-0000	Automotive Receptacle, 12V DC	1
10	35614-YH30310-0000	Wireless Parallel, Receptacle, 50A, 1000V, Red Cover	1
11	35614-YH30410-0000	Wireless Parallel, Receptacle, 50A, 1000V, Black Cover	1

WIRING DIAGRAM

R2500iSP-C(100571)

THIS CIRCUIT DIAGRAM IS ONLY FOR REFERENCE, IF ANY CHANGE, THERE WILL BE WITHOUT NOTICE.

