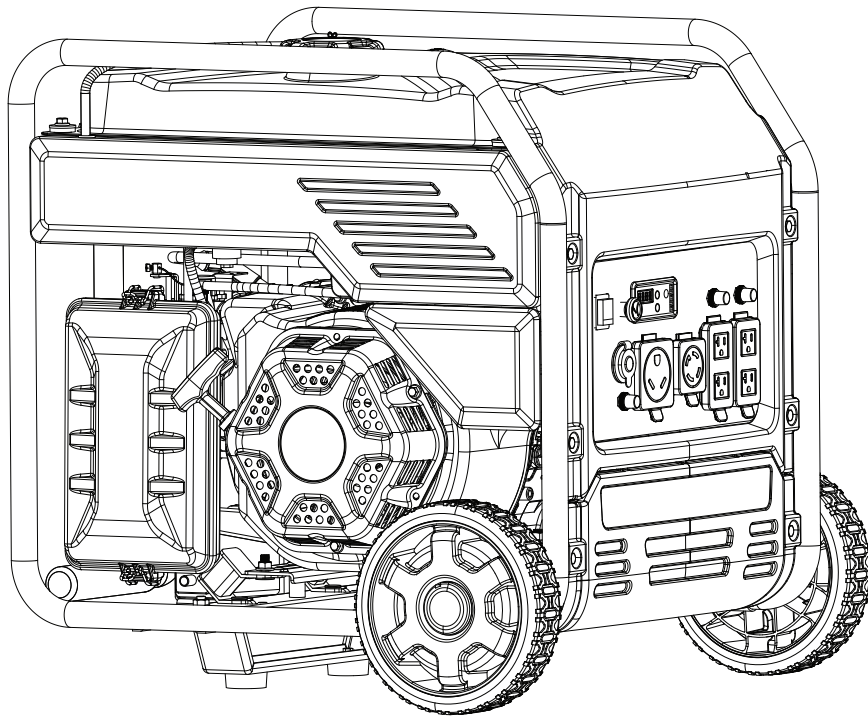




Champion Power Equipment, Inc.

**MODEL #201066**



## **PARTS INFORMATION**

**6500W OPEN FRAME INVERTER**

**SERIAL NUMBER RANGE: ALL**



To order replacement parts please visit:  
**[shop.championpowerequipment.com](http://shop.championpowerequipment.com)**  
or call **1-877-338-0999**.

**TABLE OF CONTENTS**

**Inverter Generator Parts Diagram..... 3**

**Inverter Generator Parts List ..... 4**

**Engine Parts Diagram ..... 5**

**Engine Parts List ..... 6**

**Cylinder Head Diagram ..... 8**

**Cylinder Head Parts List ..... 9**

**Carburetor Diagram ..... 10**

**Carburetor Parts List ..... 11**

**Fuel Tank Diagram ..... 12**

**Fuel Tank Parts List..... 13**

**Outlet Panel Diagram ..... 14**

**Outlet Panel Parts List ..... 15**

**Wheel Kit Diagram ..... 16**

**Wheel Kit Parts List ..... 17**

**Wiring Diagram ..... 18**

INVERTER GENERATOR PARTS DIAGRAM

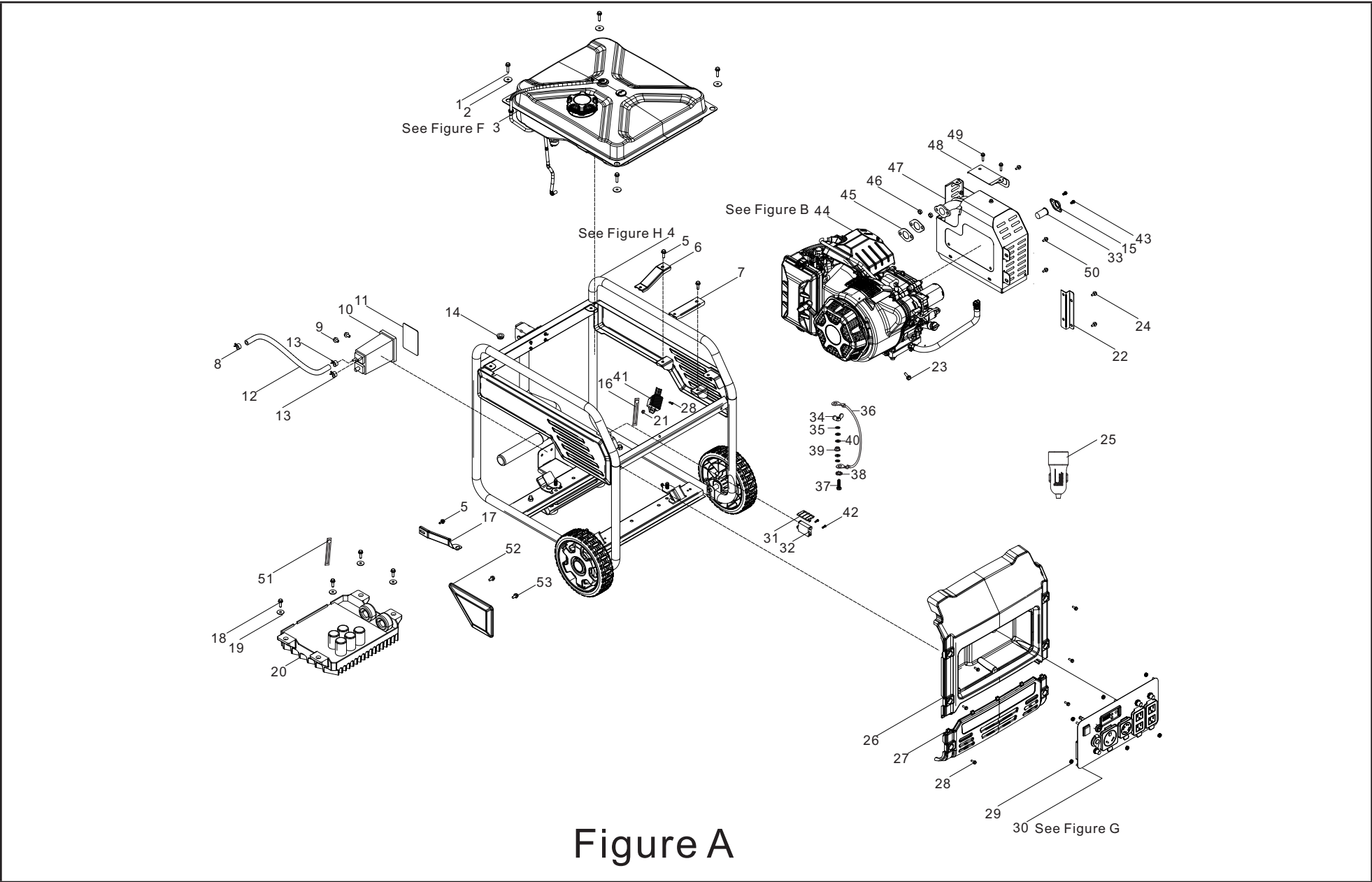


Figure A

## INVERTER GENERATOR PARTS LIST

| #  | Part Number        | Description                                         | Qty. |
|----|--------------------|-----------------------------------------------------|------|
| 1  | 90007-0625-A305    | Hexagon Flange Bolt, M6 x 25, Black Zinc            | 4    |
| 2  | 90408-Y020110-0300 | Flat Washer, Black Zinc, 6.2×25×2                   | 4    |
| 3  | 96003-ZSS3510-0000 | Fuel Tank Assembly - See Figure F                   | 1    |
| 4  | 96003-ZSS3610-0000 | Frame Assembly - See Figure H                       | 1    |
| 5  | 90001-0612-0305    | Hexagon Flange Bolt, M6 x 12, Black Zinc            | 3    |
| 6  | 30081HYA40210-H700 | Mounting Bracket 2, Invertor                        | 1    |
| 7  | 30081HYA40110-H700 | Mounting Bracket 1, Invertor                        | 1    |
| 8  | 90685-D095-0EA0    | Clamp, Ø9.5 x 0.8 x 8                               | 1    |
| 9  | 90001-0608-0305    | Hexagon Flange Bolt, M6 x 8, Black Zinc             | 2    |
| 10 | 16801-YEC0210-0000 | Carbon Canister, 320 cc                             | 1    |
| 11 | 93097-Y9X0110-0000 | Insulator Plate                                     | 1    |
| 12 | 16805-YEC0110-00A0 | Connection Tube, Air Cleaner, Ø4.5 x Ø8.5 x 180     | 1    |
| 13 | 90685-D080-0EA0    | Clamp, Ø8 x Ø0.6 x 7                                | 2    |
| 14 | 90698-Y1Z0110-0001 | Protective Rubber Sleeve                            | 1    |
| 15 | 18213-Z800310-0000 | Shield, Spark Arrestor                              | 1    |
| 16 | 90684-Z010310-0001 | Clip, 130 mm                                        | 1    |
| 17 | 17003-Z0C0111-0900 | Air Cleaner Support                                 | 1    |
| 18 | 90007-0620-A1A0    | Hexagon Flange Bolt, M6 x 20, White Zinc            | 4    |
| 19 | 90408-Y990510-00A0 | Flat Washer, Black Zinc, Ø22 × Ø6.3 × 2, White Zinc | 4    |
| 20 | 30043-YHT0110-0000 | Invertor, 4.8/5.28kW_120V/240V_60Hz                 | 1    |
| 21 | 90305-0600-3301    | Hexagon Flange Nut, M6 x 1.25, Black Zinc           | 1    |
| 22 | 18030-YA40110-H700 | Muffler Bracket                                     | 1    |
| 23 | 90001-0610-01A1    | Hexagon Flange Bolt, M6 x 10, White Zinc            | 1    |
| 24 | 90005-0816-03      | Hexagon Bolt, M8 x 16, Black Zinc                   | 2    |
| 25 | 35613-YBE0210-0000 | 12VDC USB Adapter                                   | 1    |
| 26 | 35680-YHT0210-Q200 | Control Panel Housing                               | 1    |
| 27 | 82007-YHT0110-Q200 | Decorated Cover                                     | 1    |
| 28 | 90001-0616-0301    | Hexagon Flange Bolt, M6 x 16, Black Zinc            | 7    |

| #  | Part Number        | Description                              | Qty. |
|----|--------------------|------------------------------------------|------|
| 29 | 90305-0500-3301    | Hexagon Flange Nut, M5, Black Zinc       | 6    |
| 30 | 35610-YHT0110-H700 | Control Panel Assembly - See Figure G    | 1    |
| 31 | 30351-YHD0110-0000 | Cover, CO Alarm                          | 1    |
| 32 | 35720-YHD0110-0000 | CO Alarm                                 | 1    |
| 33 | 18250-Y9X0110-0000 | Spark Arrestor                           | 1    |
| 34 | 90312-0600-0301    | Wing Nut, M6, Black Zinc                 | 1    |
| 35 | 90403-0600-0305    | Spring Washer, Black Zinc                | 2    |
| 36 | 30009-Y910110-0001 | Grounding Wire                           | 1    |
| 37 | 90001-0625-0305    | Hexagon Flange Bolt, M6 x 25, Black Zinc | 1    |
| 38 | 90415-0600-Z301    | Lock Washer, Toothed, Black Zinc         | 1    |
| 39 | 90303-0600-3305    | Nut, M6, Black Zinc                      | 1    |
| 40 | 90408-0600-E305    | Flat Washer, Black Zinc, Black Zinc      | 3    |
| 41 | 30060-YB30210-0000 | Rectifier                                | 1    |
| 42 | 90103-0512-53A0    | Screw, M5 x 16, White Zinc               | 2    |
| 43 | 90005-0510-01      | Hexagon Flange Bolt, M5 x 10, White Zinc | 2    |
| 44 | R300MI000F0G-CMP00 | Engine - See Figure B                    | 1    |
| 45 | 18001-Z080110-00A0 | Exhaust Outlet Gasket                    | 2    |
| 46 | 90303-0800-3305    | Nut, M8, Black Zinc                      | 2    |
| 47 | 18100-Y9X0310-H7A0 | Muffler Assembly                         | 1    |
| 48 | 18013-Y9X0120-H7A0 | Muffler Shield                           | 1    |
| 49 | 90022-0612-0305    | Hexagon Flange Bolt, M6 x 12, Black Zinc | 3    |
| 50 | 90001-0816-0305    | Hexagon Flange Bolt, M8 x 16, Black Zinc | 2    |
| 51 | 90684-Z030120-0001 | Clip, 100 mm                             | 1    |
| 52 | 51025-YHT0310-H7A0 | Decorative Cover, CO Moduel              | 1    |
| 53 | 90007-0512-A301    | Hexagon Flange Bolt, M5 x 12, Black Zinc | 2    |

ENGINE PARTS DIAGRAM

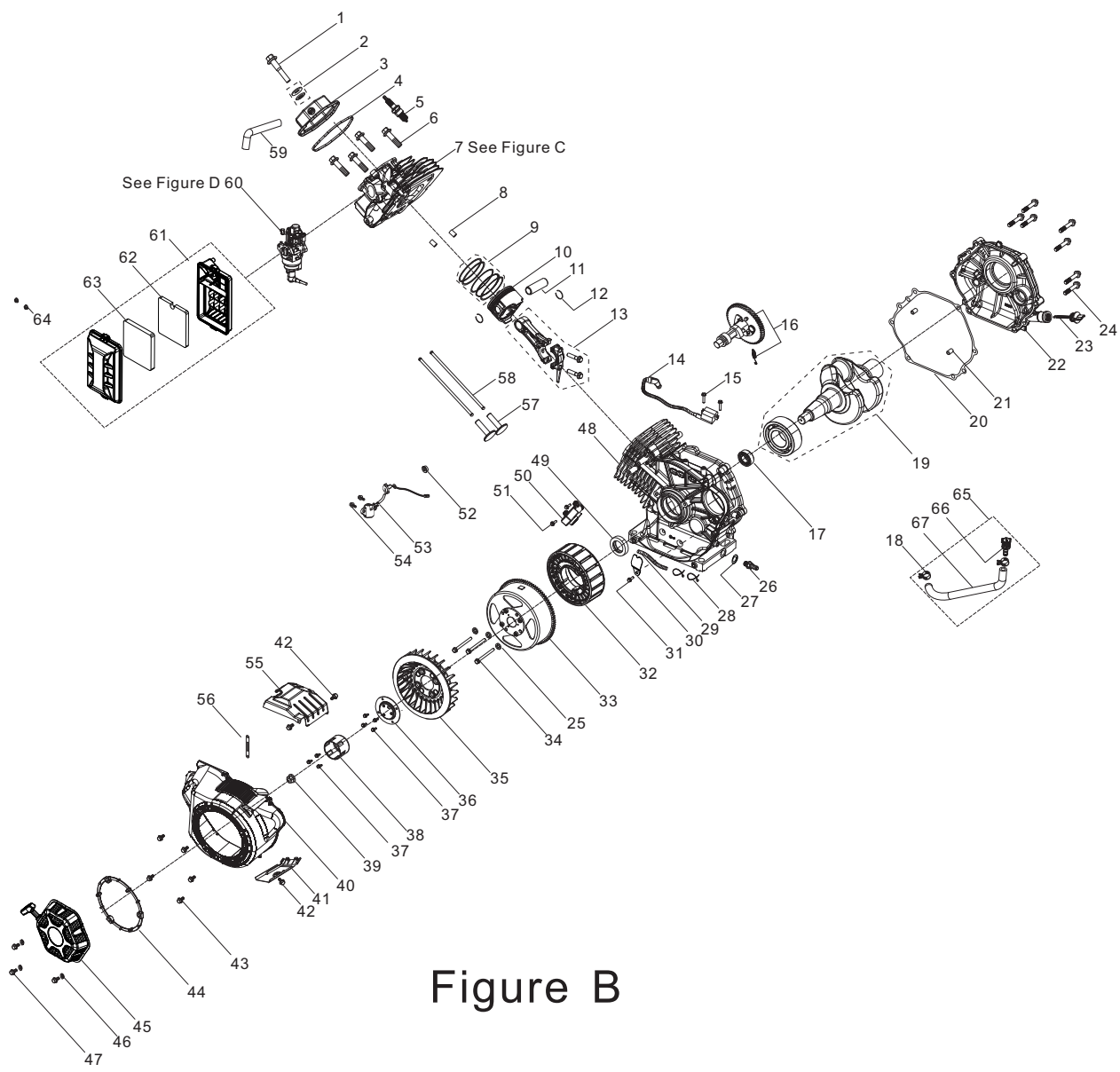


Figure B

## ENGINE PARTS LIST

| #  | Part Number        | Description                                          | Qty. |
|----|--------------------|------------------------------------------------------|------|
| 1  | 12032-Z080110-0101 | Cylinder Head Cover Bolt Subassembly, White Zinc     | 1    |
| 2  | 12034-Z080110-0091 | Cylinder Head Cover Gasket Subassembly, White Zinc   | 1    |
| 3  | 12410-Z580110-0100 | Cylinder Head Cover Subassembly, Octagon, White Zinc | 1    |
| 4  | 12004-Z580110-00A9 | Cylinder Head Cover Gasket                           | 1    |
| 5  | 30010-Z010110-00A0 | Spark Plug, F6RTC                                    | 1    |
| 6  | 12003-Z080110-0001 | Cylinder Head Bolt, M10 x 80, White Zinc             | 4    |
| 7  | 96003-ZSS3310-0000 | Cylinder Head Assembly                               | 1    |
| 8  | 90502-1220-00A0    | Pin, Ø12 x 20                                        | 2    |
| 9  | 13200-Z730110-00A9 | Piston Rings Set                                     | 1    |
| 10 | 13111-Z730120-00A9 | Piston                                               | 1    |
| 11 | 13121-Z730110-00A0 | Piston Pin, Ø20 x Ø14.75 x 62                        | 1    |
| 12 | 13122-Z730110-00A9 | Piston Pin Clip                                      | 2    |
| 13 | 13010-Z730120-00A9 | Connecting Rod                                       | 1    |
| 14 | 30400-Z980210-0000 | Ignition Coil                                        | 1    |
| 15 | 90001-0520-0102    | Hexagon Flange Bolt, M5 x 20, White Zinc             | 2    |
| 16 | 14200-Z730120-00A9 | Camshaft Assembly                                    | 1    |
| 17 | 90547-0206-00TM    | Bearing, 6206                                        | 1    |
| 18 | 90685-Z120210-0000 | Clamp                                                | 2    |
| 19 | 13300-Z0C0110-RBTM | Crankshaft Assembly                                  | 1    |
| 20 | 11001-Z580120-00A0 | Crankcase Gasket                                     | 1    |
| 21 | 90502-0912-00A0    | Pin, Ø8 x 12                                         | 2    |
| 22 | 11411-Z0C0110-0BA1 | Crankcase Cover Assembly                             | 1    |
| 23 | 15010-Z080131-L4A0 | Oil Dipstick Subassembly                             | 1    |
| 24 | 90001-0835-0102    | Hexagon Flange Bolt, M8 x 35, White Zinc             | 7    |
| 25 | 90408-0600-E1A0    | Flat Washer, Ø6                                      | 3    |
| 26 | 90689-Z120110-00A0 | Connector, Fuel Tube                                 | 1    |
| 27 | 90412-Z080110-00A0 | Flat Washer                                          | 1    |

| #  | Part Number        | Description                              | Qty. |
|----|--------------------|------------------------------------------|------|
| 28 | 90727-Y130210-00A0 | Cable Ties, 3 x 150                      | 2    |
| 29 | 90697-YA40110-0000 | Corrugated Pipe, Ø17 x 30                | 1    |
| 30 | 30002-Z980111-00A0 | Magneto Wiring Clamp                     | 1    |
| 31 | 90001-0510-01A0    | Hexagon Flange Bolt, M5 x 10, White Zinc | 1    |
| 32 | 30120-YHT0110-0000 | Stator Component, Ø179 x 53              | 1    |
| 33 | 30110-YHT0110-00A0 | Rotor Component, Ø179 x 53               | 1    |
| 34 | 90102-0660-06A0    | Hexagon Socket Bolt, M6 x 60             | 3    |
| 35 | 19352-Z980110-00A0 | Cooling Fan, Engine                      | 1    |
| 36 | 28020-Z150120-0000 | Starter Pulley Base                      | 1    |
| 37 | 90001-0612-0101    | Hexagon Flange Bolt, M6 x 12, White Zinc | 7    |
| 38 | 28002-Z980110-0000 | Starter Pulley, White Zinc               | 1    |
| 39 | 13501-Z080110-00A0 | Flywheel Nut, M16 x 1.5, White Zinc      | 1    |
| 40 | 28110-Z0C0110-L400 | Shroud                                   | 1    |
| 41 | 19304-Z080110-0006 | Cylinder Body Shroud, White Zinc         | 1    |
| 42 | 90001-0612-0101    | Hexagon Flange Bolt, M6 x 12, White Zinc | 3    |
| 43 | 90001-0612-03      | Hexagon Flange Bolt, M6 x 20, Black Zinc | 5    |
| 44 | 28261-Z980110-0000 | Circlip, Rope                            | 1    |
| 45 | 28200-Z590110-H700 | Recoil Starter Assembly                  | 1    |
| 46 | 90408-0600-E3      | Flat Washer                              | 3    |
| 47 | 90001-0620-03      | Hexagon Flange Bolt, M6 x 20, White Zinc | 3    |
| 48 | 11310-Z0C0310-0B09 | Crankcase Subassembly                    | 1    |
| 49 | 90682-Z080110-00A0 | Oil Seal                                 | 1    |
| 50 | 30130-Z980210-0000 | Trigger Assembly                         | 1    |
| 51 | 90001-0516-01A0    | Hexagon Flange Bolt, M5 x 16, White Zinc | 2    |
| 52 | 90305-Z010210-0101 | Hexagon Flange Nut, M10 x 15, White Zinc | 1    |
| 53 | 37060-Z080410-0000 | Oil Sensor                               | 1    |
| 54 | 90001-0616-01A0    | Hexagon Flange Bolt, M6 x 16, White Zinc | 2    |
| 55 | 19305-Z0C0120-0001 | Cylinder Body Shroud 2                   | 1    |
| 56 | 90684-Z030120-00A0 | Clip, 100 mm                             | 1    |
| 57 | 14081-Z580110-00A0 | Valve Lifter                             | 2    |

| #  | Part Number        | Description                        | Qty. |
|----|--------------------|------------------------------------|------|
| 58 | 14070-Z730110-00A0 | Valve Rod                          | 2    |
| 59 | 17004-Z080320-0001 | Breather Tube, Ø10.5 x Ø15 x 115   | 1    |
| 60 | 96003-ZSS3410-0000 | Carburetor Assembly                | 1    |
| 61 | 17100-Z980110-00A0 | Air Cleaner                        | 1    |
| 62 | 17151-Z0D0310-0000 | Element 1, Air Cleaner             | 1    |
| 63 | 17151-Z0D0210-0000 | Element 2, Air Cleaner             | 1    |
| 64 | 90305-0600-3101    | Hexagon Flange Nut, M6, White Zinc | 2    |
| 65 | 11011HZ980110-L4A0 | Oil Drain Hose Assembly            | 1    |
| 66 | 15031-Z980110-0000 | Oil Plug                           | 1    |
| 67 | 11011-Z980210-0000 | Oil Drain Hose                     | 1    |

CYLINDER HEAD DIAGRAM

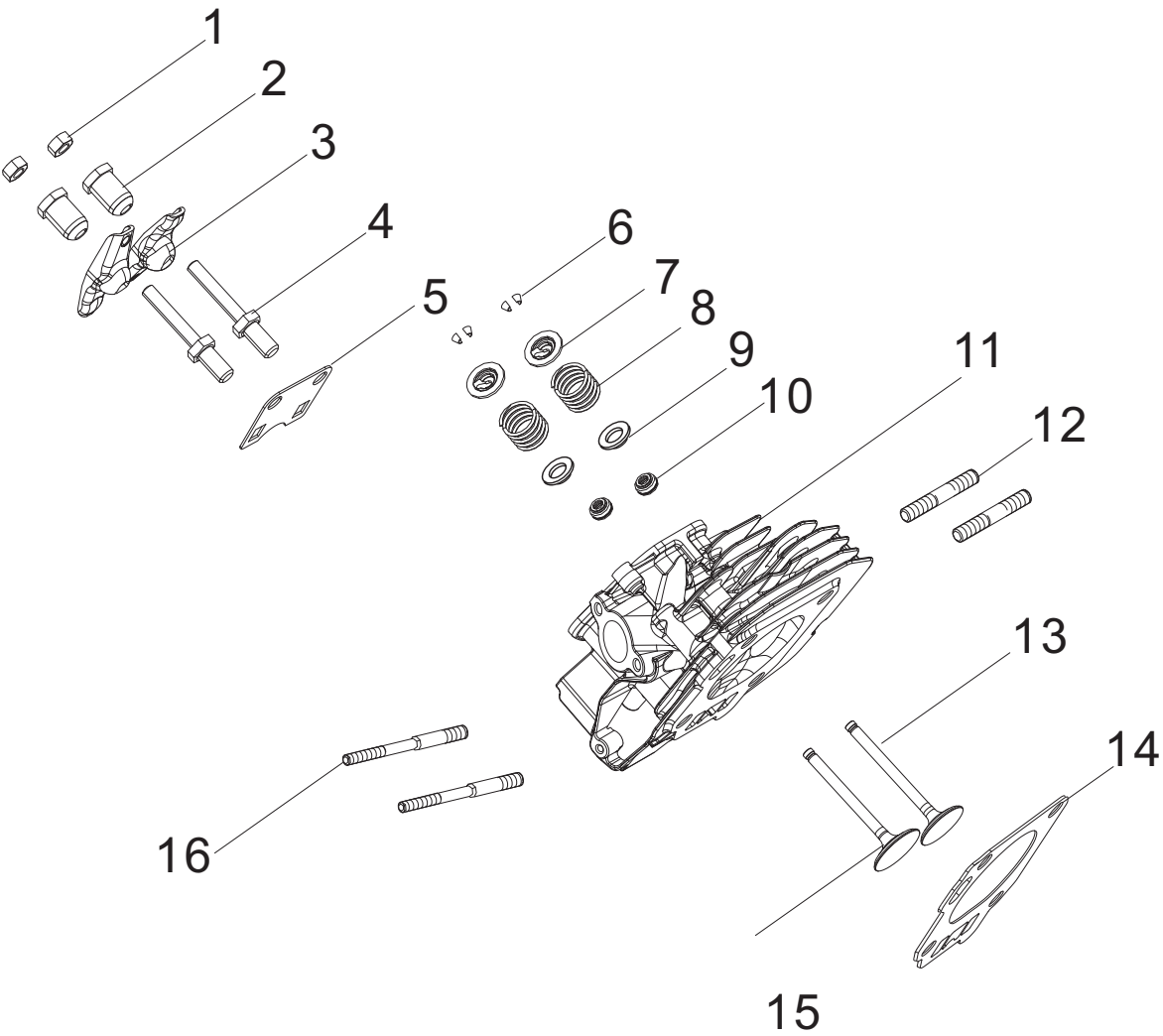


Figure C



## CYLINDER HEAD PARTS LIST

| #  | Part Number        | Description                         | Qty. |
|----|--------------------|-------------------------------------|------|
| 1  | 14312-Z010110-00A0 | Valve Lock Nut                      | 2    |
| 2  | 14314-Z010110-00A0 | Valve Adjusting Nut                 | 2    |
| 3  | 14311-Z080110-00A0 | Valve Rocker                        | 2    |
| 4  | 14313-Z010110-00A0 | Valve Adjusting Bolt                | 2    |
| 5  | 14090-Z080110-00A0 | Guide Plate Subassembly, White Zinc | 1    |
| 6  | 12109-Z730110-00A0 | Rotator, Valve                      | 4    |
| 7  | 12112-Z730110-00A0 | Valve Spring Retainer, Inlet Valve  | 2    |
| 8  | 12103-Z730110-00A9 | Valve Spring                        | 2    |
| 9  | 12105-Z080110-00A0 | Valve Spring Seat                   | 2    |
| 10 | 12101-Z020110-00A0 | Seal Guide                          | 2    |
| 11 | 12140-Z0C0210-0BA0 | Cylinder Head                       | 1    |
| 12 | 90203-Z010110-03A0 | Stud, M8 x 34, Black Zinc           | 2    |
| 13 | 12121-Z730110-0000 | Exhaust valve                       | 1    |
| 14 | 12131-Z730210-00A0 | Cylinder Head Gasket                | 1    |
| 15 | 12111-Z730110-0000 | Inlet Valve                         | 1    |
| 16 | 90204-Z0C0210-0300 | Stud, M6/8 x 130, Black Zinc        | 2    |

CARBURETOR DIAGRAM

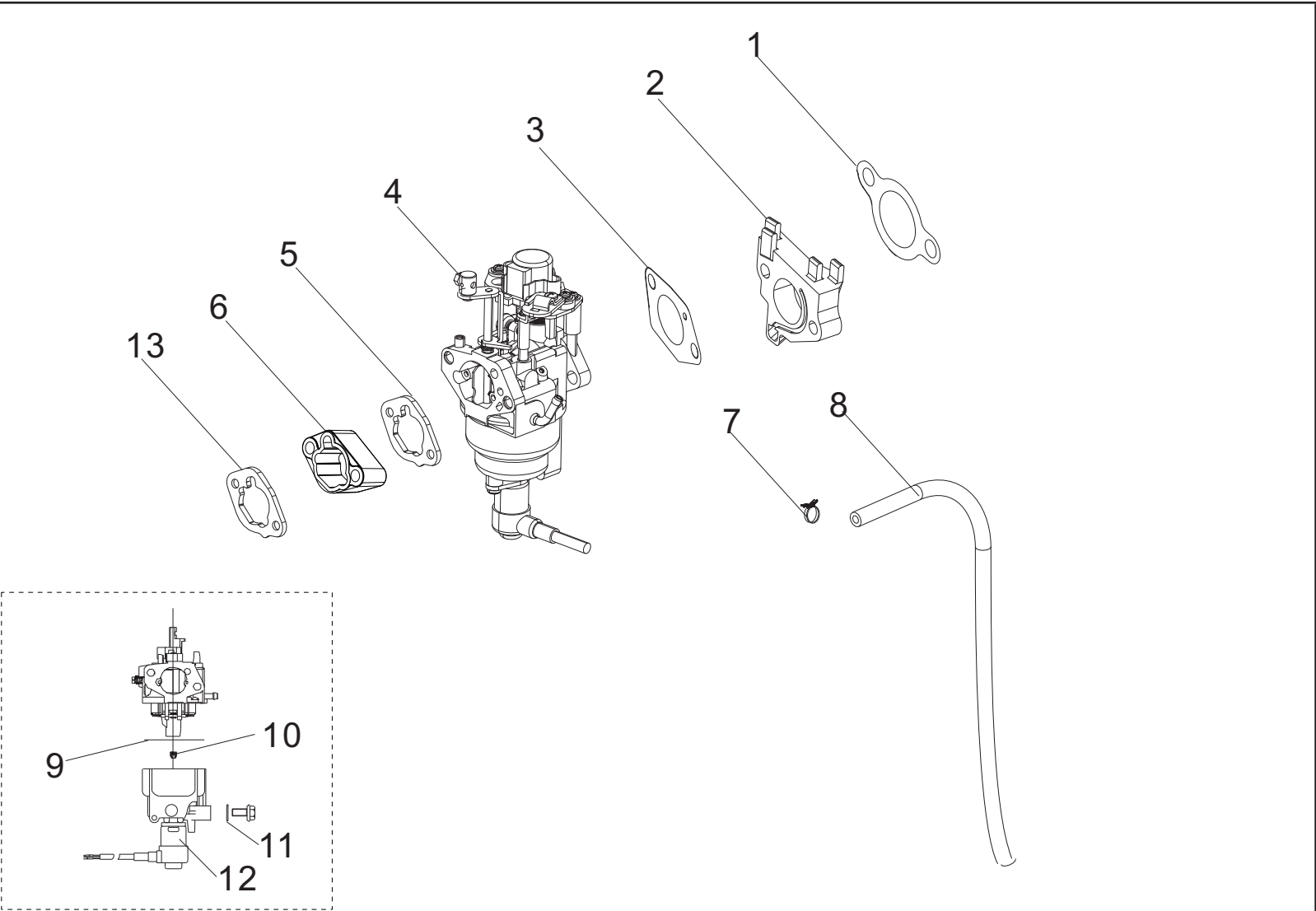


Figure D

## CARBURETOR PARTS LIST

| #  | Part Number        | Description                             | Qty. |
|----|--------------------|-----------------------------------------|------|
| 1  | 17002-Z080110-00A0 | Inlet Gasket                            | 1    |
| 2  | 16003-Z0C0310-00A0 | Carburetor Insulator Plate              | 1    |
| 3  | 16001-Z080110-00A0 | Carburetor Gasket                       | 1    |
| 4  | 16100-Z0C0510-00M1 | Carburetor Assembly                     | 1    |
| 5  | 17001-Z080110-00A0 | Air Cleaner Gasket                      | 1    |
| 6  | 17112HZ0C0110-0000 | Connection Tube, Air Cleaner            | 1    |
| 7  | 90685-D080-0EA0    | Clamp, Ø8 x 06 x 7                      | 1    |
| 8  | 90686-Z080610-00M2 | Fuel Tube, Ø4.5 x Ø8.5 x 160            | 1    |
| 9  | 16112-Z0C0110-00A0 | Float Seal Ring                         | 1    |
| 10 | 16161-Z153710-00A0 | Main Jet (96#)                          | 1    |
|    | 16161-Z153510-00A1 | Main Jet (94#), Altitude 3000-6000 Feet | 1    |
|    | 16161-Z153310-00A1 | Main Jet (92#), Altitude 6000-8000 Feet | 1    |
| 11 | 90681-Z010510-00A0 | Seal Ring                               | 1    |
| 12 | 16108-Z0C0120-00A0 | Magnetic Valve                          | 1    |
| 13 | 17001-Z520210-00A0 | Air Cleaner Gasket                      | 1    |

FUEL TANK DIAGRAM

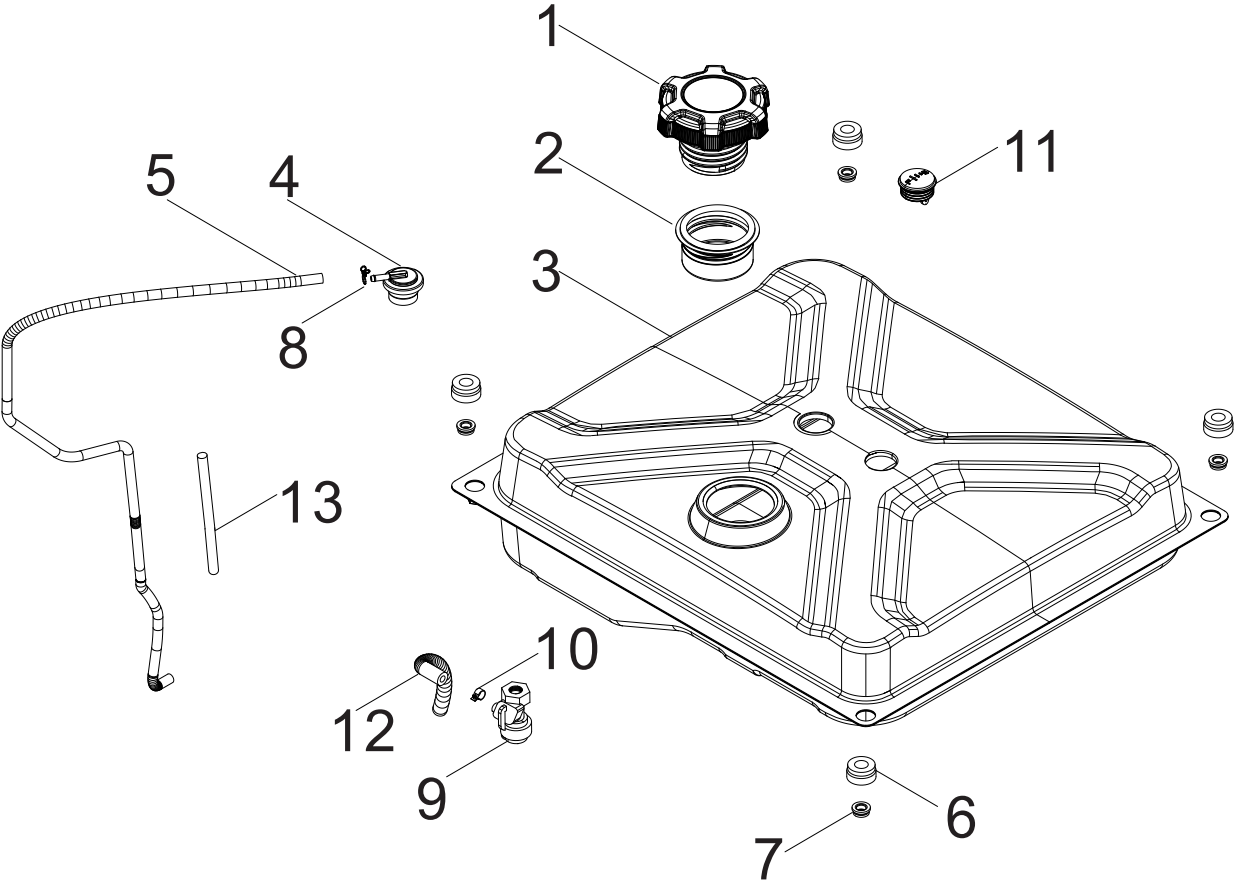
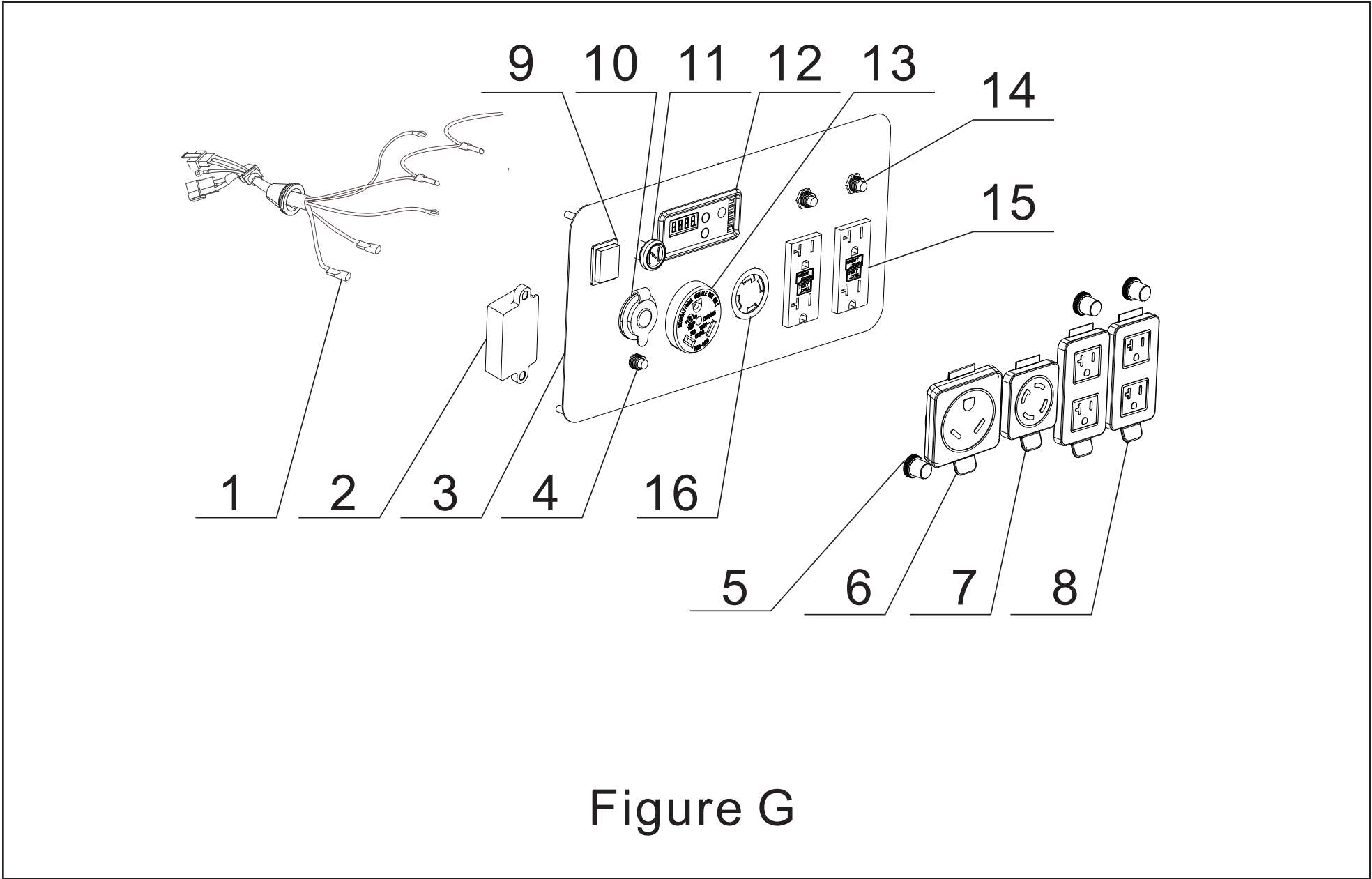


Figure F

## FUEL TANK PARTS LIST

| #  | Part Number        | Description                        | Qty. |
|----|--------------------|------------------------------------|------|
| 1  | 16730-YGM0110-00A0 | Fuel Tank Cap                      | 1    |
| 2  | 16652-YGM0110-00A1 | Fuel Filter                        | 1    |
| 3  | 16620-YHT0110-L4A0 | Fuel Tank, 16.4L                   | 1    |
| 4  | 15150-YGK0110-00A0 | One Way Valve                      | 1    |
| 5  | 16804-YGM0210-0000 | Connection Tube, Ø4.5 x Ø8.5 x 810 | 1    |
| 6  | 16601-Y020120-0001 | Fuel Tank Rubber Sleeve            | 1    |
| 7  | 90683-Y020110-0005 | Bushing, White Zinc                | 1    |
| 8  | 90740-Z010610-00A1 | Clamp, Ø9                          | 1    |
| 9  | 16750-Y020211-0001 | Fuel Valve Assembly                | 1    |
| 10 | 90685-D080-0EA0    | Clamp, Ø8 x Ø0.6 x 7               | 4    |
| 11 | 37200-YHT0110-00A0 | Fuel Gauge                         | 4    |
| 12 | 30431-Y9X0210-0001 | Rubber Sleeve, Ø9.5 x Ø11 x 80     | 1    |
| 13 | 30431-Y9X0110-0001 | Rubber Sleeve, Ø9.5 x Ø11 x 300    | 1    |

OUTLET PANEL DIAGRAM



## OUTLET PANEL PARTS LIST

| #  | Part Number        | Description                                  | Qty. |
|----|--------------------|----------------------------------------------|------|
| 1  | 35660-YHT0110-0000 | Wire Harness, Control Panel                  | 1    |
| 2  | 30700-YB30110-0000 | Ignitor                                      | 1    |
| 3  | 35650-YHT0110-H700 | Control Panel                                | 1    |
| 4  | 31234-YBE0110-0000 | 8Amp Circuit Breaker, Push Button, 125/250V  | 1    |
| 5  | 35654-YGK0110-0000 | Receptacle Cover, Circuit Breaker            | 3    |
| 6  | 35654-YGK0710-0000 | Receptacle Cover, TT-30R                     | 1    |
| 7  | 35654-YGK0610-0000 | Receptacle Cover, L14-30R                    | 1    |
| 8  | 35654-YGK0910-0000 | Receptacle Cover, 5-20R GFCI                 | 2    |
| 9  | 35160-Y450110-0000 | Switch Assembly                              | 1    |
| 10 | 35619-Y110110-0000 | Automotive Receptacle, 12V DC                | 1    |
| 11 | 16080-YB30110-0000 | Choke Cable Assembly                         | 1    |
| 12 | 35632-YJR0210-0000 | Intelligauge, INT5CINV                       | 1    |
| 13 | 35614-Y2D0110-0000 | TT-30R Receptacle, 30A, 125V                 | 1    |
| 14 | 31234-YBE0210-0000 | 20Amp Circuit Breaker, Push Button, 125/250V | 2    |
| 15 | 35614-Y9X0110-0000 | 5-20R GFCI, Receptacle, 20A/125V             | 2    |
| 16 | 35614-Y090110-0000 | L14-30R Receptacle, 125V/250V/30A            | 1    |

WHEEL KIT DIAGRAM

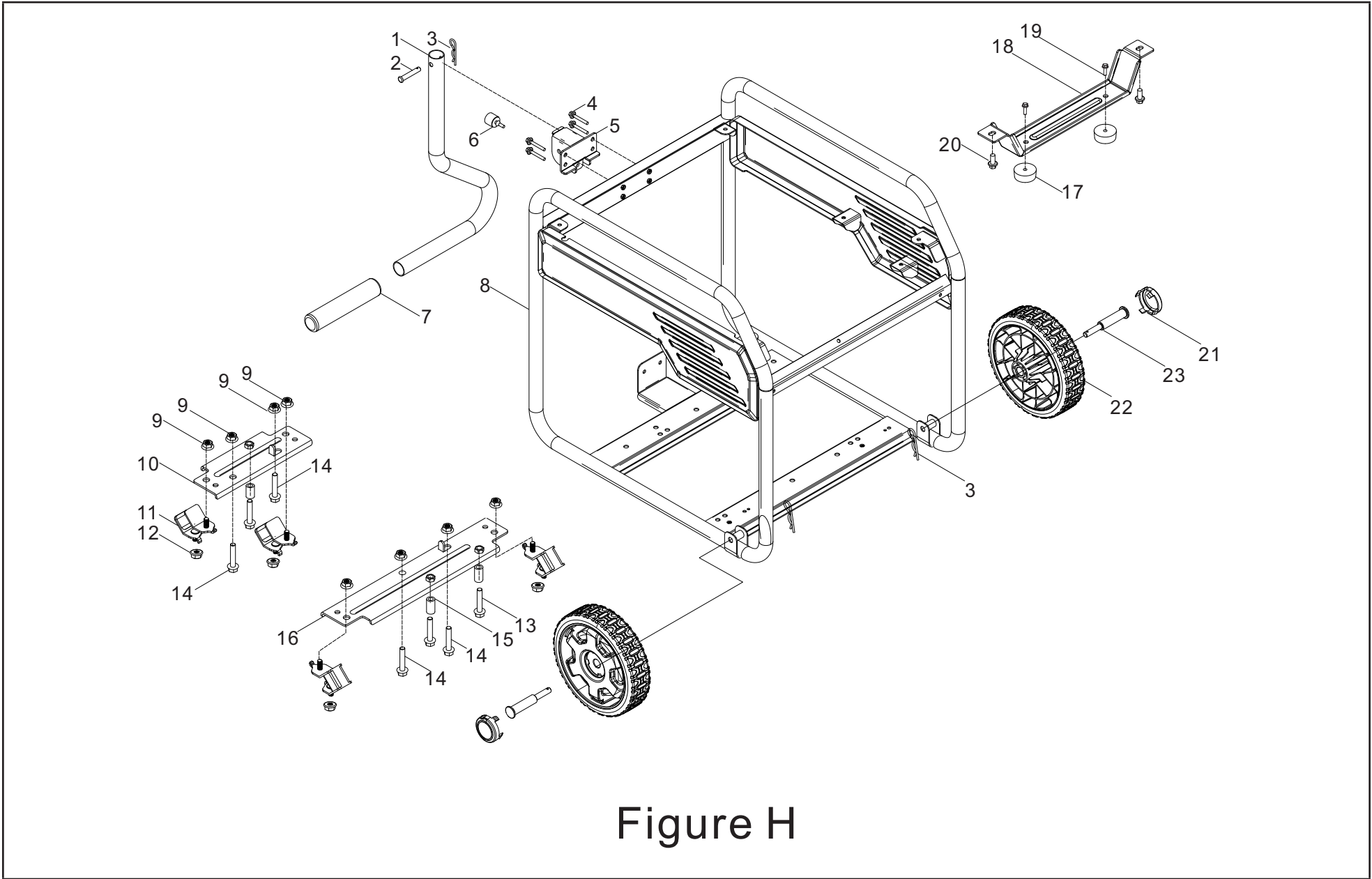


Figure H



## WHEEL KIT PARTS LIST

| #  | Part Number        | Description                                      | Qty. |
|----|--------------------|--------------------------------------------------|------|
| 1  | 54110-YHT0110-H7A0 | Handle, Ø28 x 1.2                                | 1    |
| 2  | 90504-Y9X0110-0305 | Pin Shaft, Black Zinc                            | 1    |
| 3  | 90583-YGK0110-03A0 | R Pin, Ø2 x 38, Black Zinc                       | 3    |
| 4  | 90001-0630-0305    | Hexagon Flange Bolt, M6 x 30, Black Zinc         | 4    |
| 5  | 54113HYHT0110-H7A0 | Handle Tube Connecting Seat                      | 1    |
| 6  | 51008-Y2D0210-0000 | Shock Absorption Pole                            | 1    |
| 7  | 54101-Y990110-0001 | Handle Sheath                                    | 1    |
| 8  | 51100-YHT0110-H7A0 | Frame Assembly, Ø25 x 1.2_580 x 485 x 510        | 1    |
| 9  | 90306-1000-3105    | Hexagon Flange Nut, M10 x 1.25, White Zinc       | 8    |
| 10 | 51002-YHT0210-H700 | Dead Plate 1, Engine                             | 1    |
| 11 | 51005HY9X0110-0000 | Vibration Mount, Frame                           | 4    |
| 12 | 90305-0800-3105    | Hexagon Flange Nut, M8, White Zinc               | 4    |
| 13 | 90001-0840-0301    | Hexagon Flange Bolt, M8 x 40, Black Zinc         | 3    |
| 14 | 90002-1040-01A0    | Hexagon Flange Bolt, M10 x 1.25 x 40, White Zinc | 4    |
| 15 | 90683-YHT0110-L200 | Bushing, Ø15 x 27, White Zinc                    | 3    |
| 16 | 51002-YHT0110-H700 | Dead Plate 1, Engine                             | 1    |
| 17 | 51014-YGM0110-0000 | Vibration Mount, Support Leg,                    | 2    |
| 18 | 51016-Y9X0110-H7A1 | Support Leg                                      | 1    |
| 19 | 90001-0610-0301    | Hexagon Flange Bolt, M6 x 10, Black Zinc         | 2    |
| 20 | 90001-0816-0305    | Hexagon Flange Bolt, M8 x 16, Black Zinc         | 2    |
| 21 | 44001-V580110-L401 | Cover, Hub Decorated, PMS 109C                   | 2    |
| 22 | 44110-V580110-L400 | 8in. Wheel, Yellow                               | 2    |
| 23 | 44020-YJE0110-0300 | Roll Pin, Ø16 x 58.5, Black Zinc                 | 2    |

