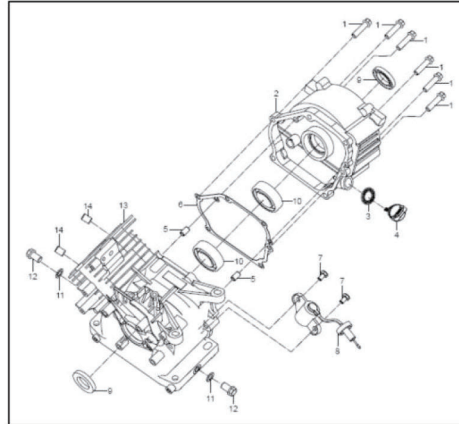


# PARTS DIAGRAM

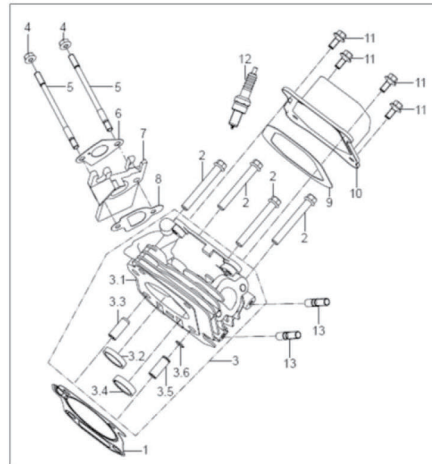
## CRANKCASE ASSEMBLY

| NO. | PART NO.         | DESCRIPTION                                   | QTY |
|-----|------------------|-----------------------------------------------|-----|
| 1   | GB/T16674.1-2004 | Bolt M8x30                                    | 6   |
| 2   | QJ168QDJ.01-01B  | Cover, Crankcase                              | 1   |
| 3   | JF142F.8-5       | Oil Seal, Dipstick                            | 1   |
| 4   | QJ168QDJ .01-04  | Dipstick                                      | 1   |
| 5   | 157.3-8          | Guide Dowel $\phi 8 \times 14$                | 2   |
| 6   | QJ168QDJ .01-02  | Gasket, Crankcase                             | 1   |
| 7   | GB/T16674.1-2004 | Bolt M6x12                                    | 2   |
| 8   | QJ168FJH-3.01.02 | Oil level sensor components                   | 1   |
| 9   | QJ168QDJ.01.01   | Oil Seal $\phi 25 \times \phi 41.25 \times 6$ | 2   |
| 10  | GB/T276-94       | Bearing 6205/P53                              | 2   |
| 11  | QJ166QDK.01-07   | Washer, Drain Plug                            | 2   |
| 12  | QJ166QDK.01-06   | Drain Plug                                    | 2   |
| 13  | JF170FLH.01.01   | Crankcase Body                                | 1   |
| 14  | 157.4-6          | Guide Dowel $\phi 10 \times 14$               | 2   |



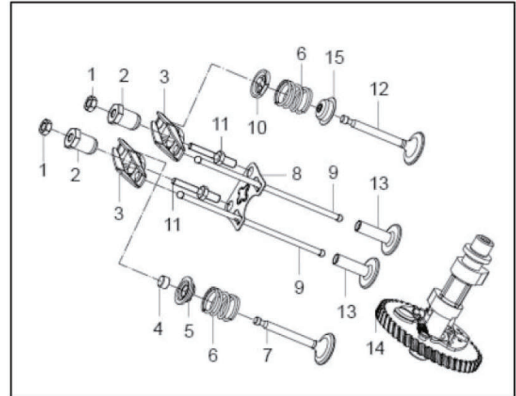
## CYLINDER HEAD

| NO. | PART NO.            | DESCRIPTION                 | QTY |
|-----|---------------------|-----------------------------|-----|
| 1   | JF170FLH.02-01      | Gasket, Cylinder Head       | 1   |
| 2   | GB/T16674.1-2004    | Bolt, Cylinder Head M8x60   | 4   |
| 3   | QJ168QDL.02.01B     | Cylinder Head Assembly      | 1   |
| 3.1 | QJ168QDL.02.01B -01 | Cylinder Head               | 1   |
| 3.2 | QJ168QDJ.02.01B-05  | Ring, Intake Valve          | 1   |
| 3.3 | QJ168QDJ.02.01-06   | Canal, Intake Valve         | 1   |
| 3.4 | QJ168QDJ.02.01B-02  | Ring, Exhaust Valve         | 1   |
| 3.5 | QJ168QDJ.02.01-03   | Canal, Exhaust Valve        | 1   |
| 3.6 | QJ168QDJ.02.01-04   | Washer, Stop                | 1   |
| 4   | GB/T6177.1-2000     | Nut M6                      | 2   |
| 5   | JF152FFH.02-06      | Double End Stud             | 2   |
| 6   | QJ168QDJ.02-05      | Gasket, Intake 1            | 1   |
| 7   | QJ168QDJ.02-02      | Spacer, Heat Insulating     | 1   |
| 8   | QJ168QDJ.02-04      | Gasket, Intake 2            | 1   |
| 9   | QJ168QDJ.02-06      | Gasket, Cylinder Head Cover | 1   |
| 10  | JF168FJH-15.02.01B  | Cylinder Head Cover         | 1   |
| 11  | GB/T5789-1986       | Bolt M6x14                  | 4   |
| 12  | QJ1E50FMG.1.2       | Spark Plug                  | 1   |
| 13  | QJ168QDJ.02-07      | Double End Stud             | 2   |



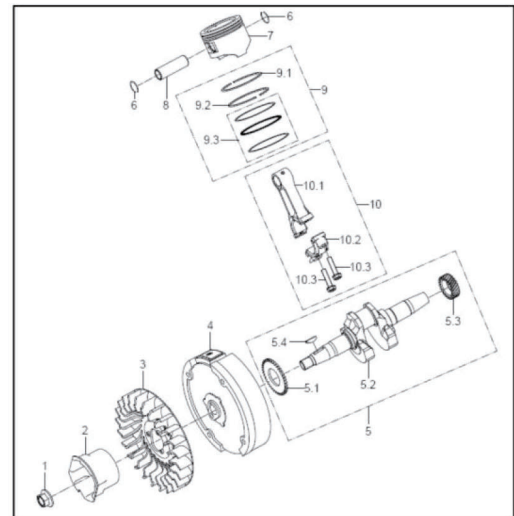
## VALVE ASSEMBLY

| NO. | PART NO.        | DESCRIPTION                          | QTY |
|-----|-----------------|--------------------------------------|-----|
| 1   | QJ166QDK.03-11  | Nut, Valve Clearance Adjustment      | 2   |
| 2   | QJ182QDP.03-07  | Buttonhead, Arm                      | 2   |
| 3   | QJ168QDJ.03-09  | Arm                                  | 2   |
| 4   | QJ168QDJ.03-02  | Cap, Exhaust Rod                     | 1   |
| 5   | QJ168QDJ.03-10  | Upper Retainer, Exhaust Valve Spring | 1   |
| 6   | QJ168QDJ.03-07  | Spring, Valve                        | 2   |
| 7   | QJ168QDJ.03-05B | Valve, Exhaust                       | 1   |
| 8   | QJ168QDJ.03.04  | Guide Plate, Connecting Stud         | 1   |
| 9   | QJ168QDJ.03.02  | Rod, Connecting                      | 2   |
| 10  | QJ168QDJ.03-08  | Upper Retainer, Intake Valve Spring  | 1   |
| 11  | QJ182QDP.03-04  | Adjusting Stud, Valve Clearance      | 2   |
| 12  | QJ168QDJ.03-06B | Valve, Intake                        | 1   |
| 13  | QJ168QDL.03-01  | Stud, Connecting                     | 2   |
| 14  | JF170FLH.03.01C | Camshaft                             | 1   |



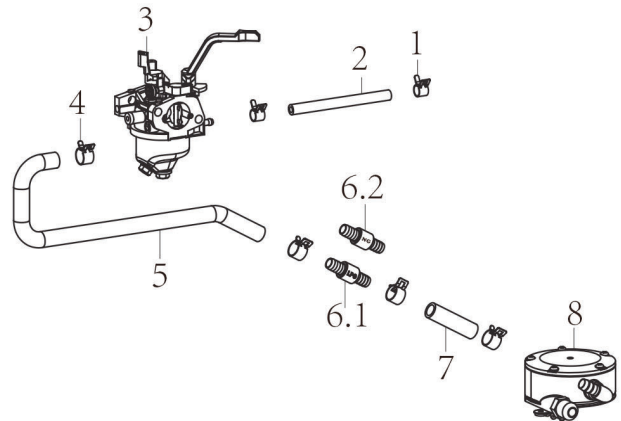
## CRANKSHAFT ASSEMBLY

| NO.  | PART NO.           | DESCRIPTION             | QTY |
|------|--------------------|-------------------------|-----|
| 1    | QJ168QDJ.04-06     | Nut, Clamp              | 1   |
| 2    | QJ168QDJ.04-10     | Start-Up Ratchet Gear   | 1   |
| 3    | QJ168QDJ.04-11     | Fan Wheel               | 1   |
| 4    | QJ168QDJ.04.03     | Fly Wheel               | 1   |
| 5    | JF170FLH.04.02     | Crankshaft              | 1   |
| 5.1  | QJ168QDJ.04-09     | Drive Gear              | 1   |
| 5.2  | JF170FLH.04.02-01  | Crankshaft              | 1   |
| 5.3  | QJ168QDJ.04-08     | Crankshaft Timing Gear  | 1   |
| 5.4  | QJ182QDP.04-03     | Key                     | 1   |
| 6    | QJ168QDJ.04-05     | Circlip, Piston Pin     | 2   |
| 7    | JF170FLH.04-01B    | Piston                  | 1   |
| 8    | QJ168QDJ.04-04     | Pin, Piston             | 1   |
| 9    | JF170FLH.04.01B    | Piston Ring Assembly    | 1   |
| 9.1  | JF170FLH.04-02B    | Ring, First             | 1   |
| 9.2  | JF170FLH.04-03B    | Ring, Second            | 1   |
| 9.3  | JF170FLH.04.01.01B | Oil Ring                | 1   |
| 10   | QJ168QDJ.04.02     | Connecting Rod Assembly | 1   |
| 10.1 | QJ168QDJ.04.02-01  | Connecting Rod Body     | 1   |
| 10.2 | QJ168QDJ.04.02-02  | Connecting Rod Cover    | 1   |
| 10.3 | QJ166QDK.05.02-03  | Connecting Rod Bolt     | 2   |



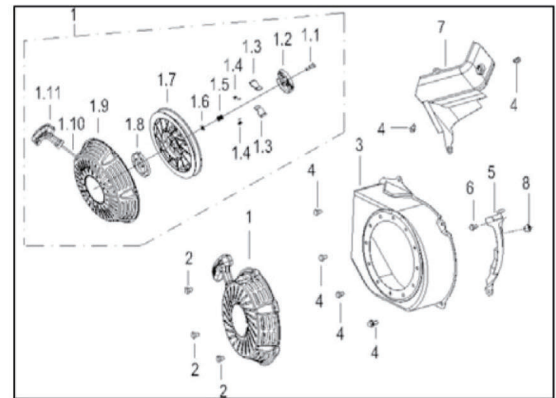
## CARBURETOR

| No. | Part number      | Description        | Qty |
|-----|------------------|--------------------|-----|
| 1   | GG-φ9            | clasp,9            | 2   |
| 2   | YG 5×9-EPA/CARB  | fuel hose          | 1   |
| 3   | 170F07-01TRI     | carburetor         | 1   |
| 4   | GG-φ13           | clasp,13           | 4   |
| 5   | GEN4000TRI09-03  | gas hose 1         | 1   |
| 6.1 | GEN4000TRI09-02L | LPG adapter        | 1   |
| 6.2 | GENTRI9K09-02N   | NG adapter         | 1   |
| 7   | YG-9×14×140      | gas hose 2         | 1   |
| 8   | GEN4000TRI09-01  | pressure regulator | 1   |



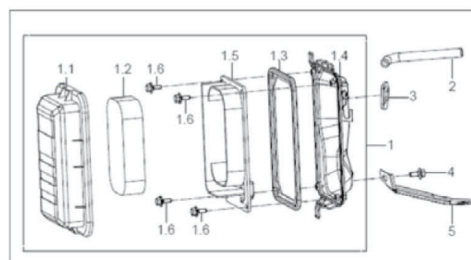
## PLATE VENTILATION HOOD COMPONENTS

| NO.  | PART NO.             | DESCRIPTION             | QTY |
|------|----------------------|-------------------------|-----|
| 1    | JF168FJH-M.06.01D    | Starter Assembly        | 1   |
| 1.1  | JF168FLH-M.06.01-06  | Screw                   | 1   |
| 1.2  | JF168FLH-M.06.01-08  | Guide Pan               | 1   |
| 1.3  | JF168FLH-M.06.01-07  | Ratchet                 | 2   |
| 1.4  | JF168FLH-M.06.01-05  | Return Spring           | 2   |
| 1.5  | JF168FLH-M.06.01-04  | Spring                  | 1   |
| 1.6  | JF168FLH-M.06.01-03  | Gasket                  | 1   |
| 1.7  | JF168FLH-M.06.01-02  | Spool                   | 1   |
| 1.8  | JF168FLH-M.06.01-01  | Wind Spring             | 1   |
| 1.9  | JF168FLH-M.06.01.01  | Starter Cover           | 1   |
| 1.10 | QJ168QDJ.06-08       | Starter Rope            | 1   |
| 1.11 | JF168FJH.06.01.02C   | Handle, Recoil Starter  | 1   |
| 2    | GB/T5789-1986        | Bolt M6x8               | 3   |
| 3    | QJ168QDJ.06.02.02B   | Engine Side Cover Assy. | 1   |
| 4    | GB/T5789-1986        | Bolt M6x10              | 6   |
| 5    | QJ168QDJ.06.02.01    | Shield 1                | 1   |
| 6    | GB/T5789-1986        | Bolt M6x20              | 1   |
| 7    | QJ168QDJ.06.02-01    | Shield 2                | 1   |
| 8    | QJ168QDJ.06.02.01-03 | Stem                    | 1   |



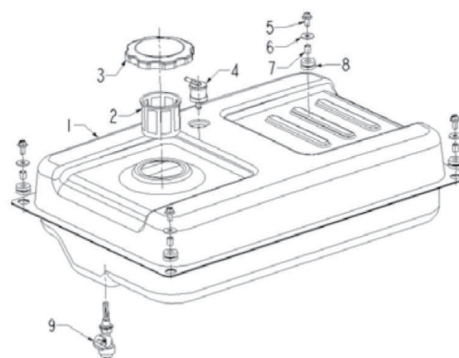
## AIR CLEANER

| NO. | PART NO.            | DESCRIPTION         | QTY |
|-----|---------------------|---------------------|-----|
| 1   | JF168FJH-15.04B.01  | Air Filter Assembly | 1   |
| 1.1 | JF168FJH-15.04-01   | Air Filter Cover    | 1   |
| 1.2 | QJ168FJH-3.05.01-02 | Air Cleaner Element | 1   |
| 1.3 | QJ168FJH-3.05.01-04 | Seal Spacer         | 1   |
| 1.4 | QJ168FJH-3.05.01.01 | Air Cleaner Case    | 1   |
| 1.5 | QJ168FJH-3.05.01-03 | Support Plate       | 1   |
| 1.6 | GB/T9074.11         | Bolt Assembly M5x14 | 4   |
| 2   | QJ168FJH-3.05-01    | Breather Tube       | 1   |
| 3   | QJ168QDJ.07.03      | Spacer              | 1   |
| 4   | GB/T16674.1-2004    | Bolt M6x12          | 1   |
| 5   | QJ168FJH-3.05-02    | Air Filter Bracket  | 1   |



## GAS TANK ASSEMBLY

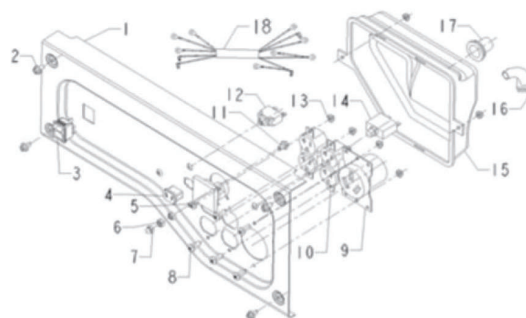
| NO. | PART NO.       | DESCRIPTION            | QTY |
|-----|----------------|------------------------|-----|
| 1   | KE3500D.01.01A | Fuel Tank Comp         | 1   |
| 2   | QJ950.13-02    | Filtering Net          | 1   |
| 3   | QJ6000.01.04   | Sump Cover Subassembly | 1   |
| 4   | QJ2900.08.02A  | Overflow Valve         | 1   |
| 5   | GB/T5789-1986  | Bolt M6x20             | 4   |
| 6   | GB/T96-2002    | Washer $\phi 6$        | 4   |
| 7   | QJ2600.01-02   | Fuel Tank Rubber Hose  | 4   |
| 8   | QJ2600.01-01   | Fuel Tank Rubber       | 4   |
| 9   | QJ2600.01.02   | Fuel Petcock           | 1   |





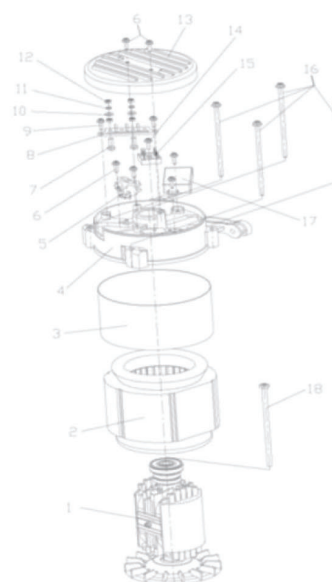
## PANEL

| NO. | PART NO.         | DESCRIPTION            | QTY |
|-----|------------------|------------------------|-----|
| 1   | FG3000.02.01C    | Panel                  | 1   |
| 2   | GB/T5789-1986    | Bolt M6x10             | 4   |
| 3   | QJ1200.02.04     | Engine Switch          | 1   |
| 4   | GFH3000L.02.04   | V- Socket              | 1   |
| 5   | QJ2600.02.05B    | Voltmeter              | 1   |
| 6   | GB/T6170-2000    | Nut M6                 | 2   |
| 7   | GB/T923-1988     | Nut M6                 | 1   |
| 8   | GB/T818-2000     | Screw M4x12            | 6   |
| 9   | KE4500E.02.03B   | RV-Socket              | 1   |
| 10  | QJ3200.01.04     | Socket of USA Standard | 2   |
| 11  | GB/T5789-1986    | Bolt M6x16             | 1   |
| 12  | QJ6500.02.05     | DC Protector 8A        | 1   |
| 13  | GB/T6177.1-2000  | Nut M4                 | 8   |
| 14  | QJ2900.01.04     | AC Protector 20A       | 1   |
| 15  | KE3500D.02-01    | Bottom Shell           | 1   |
| 16  | QJ6000.02-02     | Jacket                 | 1   |
| 17  | QJ1200.02-02A    | Sheath                 | 1   |
| 18  | FG3000NCX.02.02C | Cable                  | 1   |



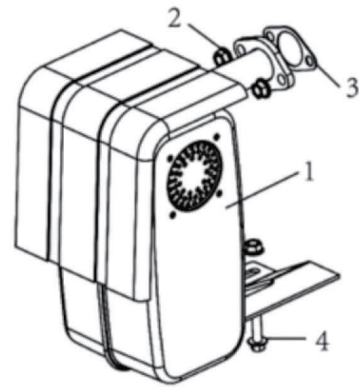
## GENERATOR

| NO | PART NO        | DESCRIPTION            | QTY |
|----|----------------|------------------------|-----|
| 1  | QJ3200.03.02   | Rotor Assy             | 1   |
| 2  | QJ3200.03.01   | Stator Assy            | 1   |
| 3  | QJ3200.01-01A  | Alternator Cover       | 1   |
| 4  | QJ2500.03-01   | Motor Casing (End Cap) | 1   |
| 5  | QJ2300.03.03   | Brush Module           | 1   |
| 6  | GB/T5789-1986  | Bolt M5x8              | 3   |
| 7  | GB/T5781-2000  | Bolt M5x20             | 2   |
| 8  | QJ6000.03-03   | Connecting Block       | 1   |
| 9  | GB/T5789-1986  | Bolt M5x12             | 4   |
| 10 | GB/T6170 -2000 | Spring Washer $\phi$ 5 | 4   |
| 11 | GB/T93-1987    | Plate Washer $\phi$ 5  | 4   |
| 12 | GB/T6170 -2000 | Nut M5                 | 4   |
| 13 | QJ2500.03-02   | Right Side Cover       | 1   |
| 14 | GB/T5789-1986  | Bolt M5x17             | 2   |
| 15 | QJ2500.03-04   | Rectifier KB2506       | 1   |
| 16 | GB16674 M6×155 | bolt                   | 4   |
| 17 | AVR-3KW        | avr                    | 1   |
| 18 | GB16674 M8×225 | bolt                   | 1   |



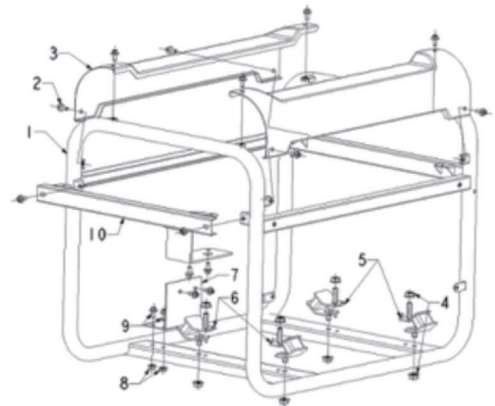
## MUFFLER

| NO | PART NO.         | DESCRIPTION    | QTY |
|----|------------------|----------------|-----|
| 1  | QJ3500. 05. 01C  | Muffler(CARB ) | 1   |
| 2  | GB/T6177. 1-2000 | NUT M8         | 3   |
| 3  | QJ2500. 05-01    | Muffler Gasket | 1   |
| 4  | GB/T5789-1986    | BOLT M8x35     | 1   |



## FRAME

| NO. | PART NO.         | DESCRIPTION                           | QTY |
|-----|------------------|---------------------------------------|-----|
| 1   | KE3500D. 06. 01E | Frame Welding Components              | 1   |
| 2   | GB/T5789-1986    | Bolt M6x12                            | 14  |
| 3   | KE3500D. 06-01   | Fuel Tank Protecting Plate            | 2   |
| 4   | GB/T6177. 1-2000 | Nut M8                                | 8   |
| 5   | QJ2500. 06. 03   | Right Shockproof Mounting Feet        | 2   |
| 6   | QJ2600. 08. 02   | Left & Right Shockproof Mounting Feet | 2   |
| 7   | QJ3200. 04-01    | Regulator Mounting Bracket            | 1   |
| 8   | GB/T6177. 1-2000 | Nut M6                                | 2   |
| 9   | GB/T5789-1986    | Bolt M6x12                            | 2   |
| 10  | KE3500D. 04. 02A | Rail Welded Components                | 1   |



# WIRING DIAGRAM

generator

control box

