APG3005

ALL-POWER

Owner's Manual

8000 WATT GENERATOR

PREFACE

Thank you for purchasing products from All-Power America. We appreciate your business. The following manual is only a guide to assist you and is not a complete or comprehensive manual of all aspects of maintaining and repairing your generator. The equipment you have purchased is a complex piece of machinery. We recommend that that you consult with a dealer if you have doubts or concerns as to your experience or ability to properly maintain or repair your equipment. You will save time and the inconvenience of having to go back to the store if you choose to write or call us concerning missing parts, service questions, operating advice, and/or assembly questions. Our gasoline generators have some of the following features:

- Lightweight construction
- Air cooled
- Four-stroke gasoline internal combustion engine
- Recoil starter
- Electric starter
- Large fuel tank
- Automatic voltage stabilizer
- Circuit protector
- AC and DC outputs
- Low oil level sensor

The air-cooled gasoline generators are widely used when electrical power is scarce. Our generators provide a portable mobile solution in supplying power for field operations during project construction.

This manual will explain how to operate and service your generator set.

If you have any questions or suggestions about this manual, please contact your local dealer or us directly. ***Consumers should notice that this manual might differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well.***

8000 Watt Generator

Table of Contents

WARNING! READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. ALL POWER AMERICA WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

Owner's Manual

Safety Guidelines - Definitions

This manual contains important information that you need to know and understand in order to protect YOUR SAFETY and to PREVENT EQUIPMENT PROBLEMS. The following symbols help you recognize this information. Please read the manual and pay attention to these sections.

WARNING! WARNINGS INDICATE A CERTAINTY OR STRONG POSSIBILITY OF PERSONAL INJURY OR DEATH IF INSTRUCTIONS ARE NOT FOLLOWED.

CAUTION: CAUTIONS INDICATE A POSSIBILITY OF EQUIPMENT DAMAGE IF INSTRUCTIONS ARE NOT FOLLOWED.

Note: Notes give helpful information.

WARNING! IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. WHEN USING AIR TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY.

Save These Important Safety Instructions!

Read and understand all of these safety instructions. Be sure to retain them for future use.

General Precautions

WARNING! FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SEVERE INJURY OR DEATH.

CAUTION: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN ALSO RESULT IN DAMAGE TO THE TOOL AND/OR THE ITEM YOU ARE WORKING ON.

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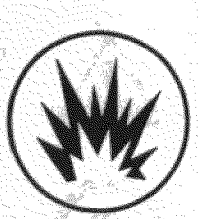
Carbon Monoxide

When this tool is running, ensure that the area is well ventilated. Never run the engine in an enclosed area. Run the engine in an open area or with an exhaust evacuation system in an enclosed area.

WARNING! THE EXHAUST CONTAINS POISONOUS CARBON MONOXIDE GAS THAT CAN CAUSE LOSS OF CONSCIOUSNESS AND MAY LEAD TO DEATH.

Gasoline and Oil



This product requires oil and fuel. Attempting to start the engine without oil will ruin the engine and void the warranty. Work in well ventilated area. Keep cigarettes, flames or sparks away from the work area or where gasoline is stored.

WARNING! GASOLINE IS EXTREMELY FLAMMAB. E AND IS EXPLOSIVE UNDER CERTAIN CONDITIONS. KEEP OUT OF REACH OF CHILDREN.

- Gasoline fuel and fumes are flammable and potentially explosive. Use proper fuel storage and handling procedures. Always have multiple ABC class fire extinguishers nearby.
- Keep the generator and surrounding area clean at all times.
- Fuel or oil spills must be cleaned up immediately. Dispose of fluids and cleaning materials as per any local, state, or federal codes and regulations. Store oily rags in a covered metal container.
- Never store fuel or other flammable materials near the generator.
- Do not smoke, or allow sparks, flames or other sources of ignition around the engine and fuel tank. Fuel vapors are explosive.
- Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing. These events could ignite fumes or vapors.
- Do not refill the fuel tank while the engine is running or while the engine is still hot. Do not operate the generator with known leaks in the fuel system.
- Use only engine manufacturer recommended fuel and oil.

General Precautions (cont'd)

Gasoline and Oil (cont'd)

- Excessive buildup of unburned fuel gases in the exhaust system can create a potentially explosive condition. This buildup can occur after repeated failed start attempts, valve testing, or hot engine shutdown. If this occurs, open exhaust system drain plugs, if equipped, and allow the gases to dissipate before attempting to restart the generator.

Hot Components

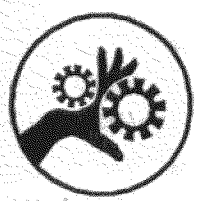
WARNING! ENGINE AND EXHAUST SYSTEM PARTS BECOME VERY HOT AND REMAIN HOT FOR SOME TIME AFTER THE ENGINE IS RUN. WEAR INSULATED GLOVES OR WAIT UNTIL THE ENGINE AND EXHAUST SYSTEM HAVE COOLED BEFORE HANDLING THESE PARTS.

Power Output

This generator is not designed to power sensitive electronic equipment (including computers and medical devices) without the addition of an approved line conditioner, which is sold separately.

CAUTION: ATTEMPTING TO POWER SENSITIVE ELECTRONIC EQUIPMENT WITHOUT THE USE OF AN APPROVED LINE CONDITIONER MAY CAUSE DAMAGE TO THE EQUIPMENT. ALL POWER AMERICA IS NOT RESPONSIBLE FOR ANY DIRECT ORINDIRECT DAMAGE CAUSED BY FAILURE TOUSE AN APPROVED LINE CONDITIONER.

Work Area



- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Generators create sparks which may ignite the dust or fumes.
- Keep bystanders, children, and visitors away while operating a generator. Provide barriers or shields as needed.

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Electrical Safety

- Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs.
- Grounding provides a low-resistance path to carry electricity away from the user inthe event of an electrical malfunction.
- Double insulated tools are equipped with a polarized plug where one blade is wider than the other. This plug fits in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three-wire grounded power cord and grounded power supply system.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose generator to rain or wet conditions. Water entering a generator will increase the risk of electric shock.
- Do not abuse the power cord. Keep power cords away from heat, oil, sharp edges, or moving parts. Replace damaged power cords immediately. Damaged power cords increase the risk of electric shock.
- When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W". These extension cords are rated for outdoor use, and reduce the risk of electric shock.
- All connections and conduits from the generator to the load must only be installed by trained and licensed electricians, and in compliance with all relevant local, state, and federal electrical codes and standards, and other regulations where applicable.
- The generator must be earth-grounded for fixed installations in accordance with all relevant electrical codes and standards before operation.
- Do not attempt to connect or disconnect load connections while standing in water, or on wet or soggy ground.
- Do not touch electrically energized parts of the generator and interconnecting cables or conductors with any part of the body, or with any non-insulated conductive object.

General Precautions (cont'd)

Electrical Safety (cont'd)

- Before servicing equipment powered by the generator, disconnect the equipment from its power input.
- Keep all electrical equipment clean and dry. Replace any wiring where the insulation is cracked, cut abraded or otherwise degraded. Replace terminals that are worn, discolored, or corroded. Keep terminals clean and tight.
- Insulate all connections and disconnected wires.
- Guard against electric shock. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures.

Personal Safety

- Stay alert. Watch what you are doing, and use common sense when operating a generator. Do not use generator while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating generators may result in serious personal injury.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- Avoid accidental starting. Make sure the power switch is in its "OFF" position, and disconnect the spark plug wWire when not in use.
- Remove adjusting keys or wrenches before turning the generator on. A wrench or a key that is left attached to a rotating part of the generator may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times.
- Use safety equipment. Always wear eye protection. Wear ANSI approved safety impact eye goggles. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- Do not force the generator. Use the correct generator for your application. The correct generator will do the job better and safer at the rate for which it is designed.
- Do not use the generator if the power switch does not turn it on or off. Any generator that cannot be controlled with the power switch is dangerous and must be replaced.

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General Precautions (cont'd)

Generator Use and Care

- Make sure the power switch is in its "OFF" position and disconnect the spark plug wire before making any adjustment, changing accessories, or storing the generator. Such preventive safety measures reduce the risk of starting the generator accidentally.
- Store idle generators out of reach of children and other untrained persons. Generators are dangerous in the hands of untrained users.
- Maintain generators with care. Do not use damaged generator. Tag damaged generators "Do not use" until repaired.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the generator's operation. If damaged, have the generator serviced before using. Many accidents are caused by poorly maintained generators.
- Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one generator may become hazardous when used on another generator.

Servicing

- Maintain labels and name plates on the generator and engine. These carry important information. If unreadable or missing, contact All Power America immediately for a replacement.
- Generator service must be performed only qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a generator, use only identical replacement parts. Follow all appropriate instructions in this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

Heart Pacemakers

WARNING! PEOPLE WITH PACEMAKERS SHOULD CONSULT THEIR PHYSICIAN(S) BEFORE USING THIS PRODUCT. ELECTROMAGNETIC FIELDS IN CLOSE PROXIMITY TO A HEART PACEMAKER COULD CAUSE INTERFERENCE TO OR FAILURE OF THE PACEMAKER.

General Precautions (cont'd)

Installation

- Ensure installation meets all applicable safety, and local and national electrical codes. Have installation performed by a qualified, licensed electrician and building contractor.
- All electrical work, including the earth-ground connection, should be completed by a licensed electrician.
- Any separate fuel storage or generator supply facility must be built or installed in full compliance with all relevant local, state, and federal regulations.
- It is recommended to use the generator only in well ventilated outdoor areas. A running gasoline engine will generate carbon monoxide, a colorless, odorless gas that, if inhaled, can cause serious injury or death. If the generator is installed indoors, exhaust fumes must be piped out of the building using leak-free, heat resistant piping. Pipes and silencer should not use any flammable materials, nor should they be installed near the same. Generator exhaust fumes must be within legal limits and installation must always meet local building codes.
- If the generator is installed outdoors, it must be weatherproofed and should be soundproofed. It should not be run outdoors without protection to the generator and wiring conduit.
- The generator's weight is very heavy. Two or more people should assist when moving or lifting this product without using the wheels. Never lift the Generator using the engine or alternator lifting lugs. Connect lifting equipment to the frame of the generator.
- Before lifting the generator, ensure the lift rigging and supporting structure are in good condition, and are rated to lift such a load.
- Keep all personnel away from the suspended generator during relocating.
- The supporting floor/ground surface should be level, and strong enough to safely hold the weight of the generator. If the floor/grounded surface is not level, strong cross members should be placed under the full length of the generator frame at its low side.
- For trailer installation, the generator should be mounted on the center point of the trailer, over the wheels. The trailer must be capable of supporting the weight of the generator and all contents (tools, etc.)
- Install sound-and weather-proofing only when it is not raining or snowing to avoid trapping moisture within the generator's area.

General Precautions (cont'd)

Mechanical

- Always make sure the power switch is in its "OFF" position. Disconnect the spark plug wire, and allow the engine to completely cool before carrying out maintenance.
- Check for damaged parts. Before using the generator, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts, any broken parts or mounting fixtures, and any other condition that may affect proper operation technician.
- The generator is designed with guards for protection from moving parts. In any case, care must still be taken to protect personnel and equipment from other mechanical hazards when working around the generator.
- Do not operate the generator with safety guards removed. While the Generator is running, do not attempt to reach around the safety guard for maintenance or any other reason.
- Keep hands, arms, long hair, loose clothing, and jewelry away from moving parts. Be aware that when engine parts are moving fast they cannot be seen clearly.
- Keep access doors on enclosures closed and locked when access is not required.
- When working on or around the generator always wear protective clothing including ANSI approved safety gloves, safety eye goggles, and safety hat.
- Do not alter or adjust any part of the generator that is assembled and supplied by the manufacturer.
- Always follow and complete scheduled engine and generator maintenance.

Chemicals

- Avoid contact with hot fuel, oil, exhaust fumes, and hot solid surfaces.
- Avoid body contact with fuels, oils, and lubricants used in the generator. If swallowed, seek medical treatment immediately. Do not induce vomiting if fuel is swallowed. For skin contact, immediately wash with soap and water. For eye contact, immediately flush eyes with clean water and seek medical attention.

General Precautions (cont'd)

Noise

Prolonged exposure to noise levels above 85 dB is hazardous to hearing. Always wear ANSI approved ear protection when operating or working around the Generator when it is running.

Extension Cord

If an extension cord (not included) is used, make sure to use only UL approved cords having the correct gauge and length according to the following table:

Nameplate Amps (@ full load)	Cord Lengths			
	0'-50'	50'-100'	100'-150'	150'-200'
0 - 5	16	16	12	12
5.1 - 8	16	14	10	-
8.1 - 12	14	12	-	-
12.1 - 15	12	10	-	-
15 - 20	10	10	-	-

Assembly

Wheel and Handle Assembly

Confirm that the following sub-assembly components are included:

- 1 Wheel Axle
- 2 Heavy Duty Wheels
- 4 Large washers
- 2 Cotter Pins
- 1 Front Stand-off Support V-Leg
- 2 Support V-Leg Mounting Screws
- 1 Handle
- 1 Handle Mounting Bracket
- 1 Mounting Bracket Back Plate
- 3 Hinge Bolt Mounting Nuts
- 3 Three inch Mounting Bolts

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Assembly (cont'd)

Wheel Assembly

Perform the following tasks to install the heavy duty wheels onto the generator assembly:

1. Insert axle through brackets located on frame at bottom of generator.
2. Center axle in frame and place each wheel over each end of the axle then insert axle end into the hole in the center of the wheel hub.
3. Place each large washer over the axle ends and insert axle through center of washer until washer is fully seated against wheel hub.
4. Insert straight side of cotter pin into hole at end of the axle rod and thread the cotter pin through the hole until pin snaps into place.
5. Repeat using the second cotter pin on the opposite end of the axle to secure the opposite wheel to the axle assembly.

V- Leg Support Assembly

Perform the following tasks to install the V-leg support bracket:

1. Place V- leg support with mounting holes aligned with the mounting holes in the bottom of the frame.
2. Insert one mounting bolt completely through each mounting hole.
3. Twist mounting screws to catch the threads in the frame mounted fasteners and tighten until support leg is secure.

Handle Assembly

Perform the following tasks to install the handle onto the generator frame:

1. Place handle mounting bracket, with handle holes mount holes configured downward, onto side of generator frame facing away from generator assembly handle mount holes.
2. Align the bracket mounting holes with the frame mounting holes.
3. Insert one three inch mounting bolt all of the way through each mounting hole of the mounting bracket and frame.
4. Align mounting plate holes with the bolt ends protruding from inside frame and insert into mounting holes until the mounting plate is seated.
5. Twist the mounting nuts onto each bolt and tighten securely.
6. Align handle mounting holes with mounting holes in mounting bracket.
7. Insert three inch mounting bolt completely through handle and bracket.
8. Install a mounting nut onto bolt and tighten, making sure handle can swivel.

Specifications

AC electrical

Current output	120-240VAC @ 50/25A, 60Hz 12V DC @ 8.3A
Continuous/rated wattage	6,500
Peak wattage	8,000
Outlets	Two 1 20V 20A outlets, one 120V 30A twist lock outlet one 120V/240V 30A twist lock outlet one 12V DC outlet 8.3A

Gasoline engine

Horsepower	13 HP
Type	4-cycle OHV air-cooled recoil start and electric start
Displacement	389cc
Oil capacity	1.16 quart (1.1 liter)
EPA approved	yes

Fuel

Type	unleaded gasoline
Capacity	7.74 gallons (25 liters)
Running time	7 hours (approx.)
Fuel gauge	included

Weight

Approximate weight	224.4 lbs

Noise Level

Operating noise level dB	76 dB (approx.)

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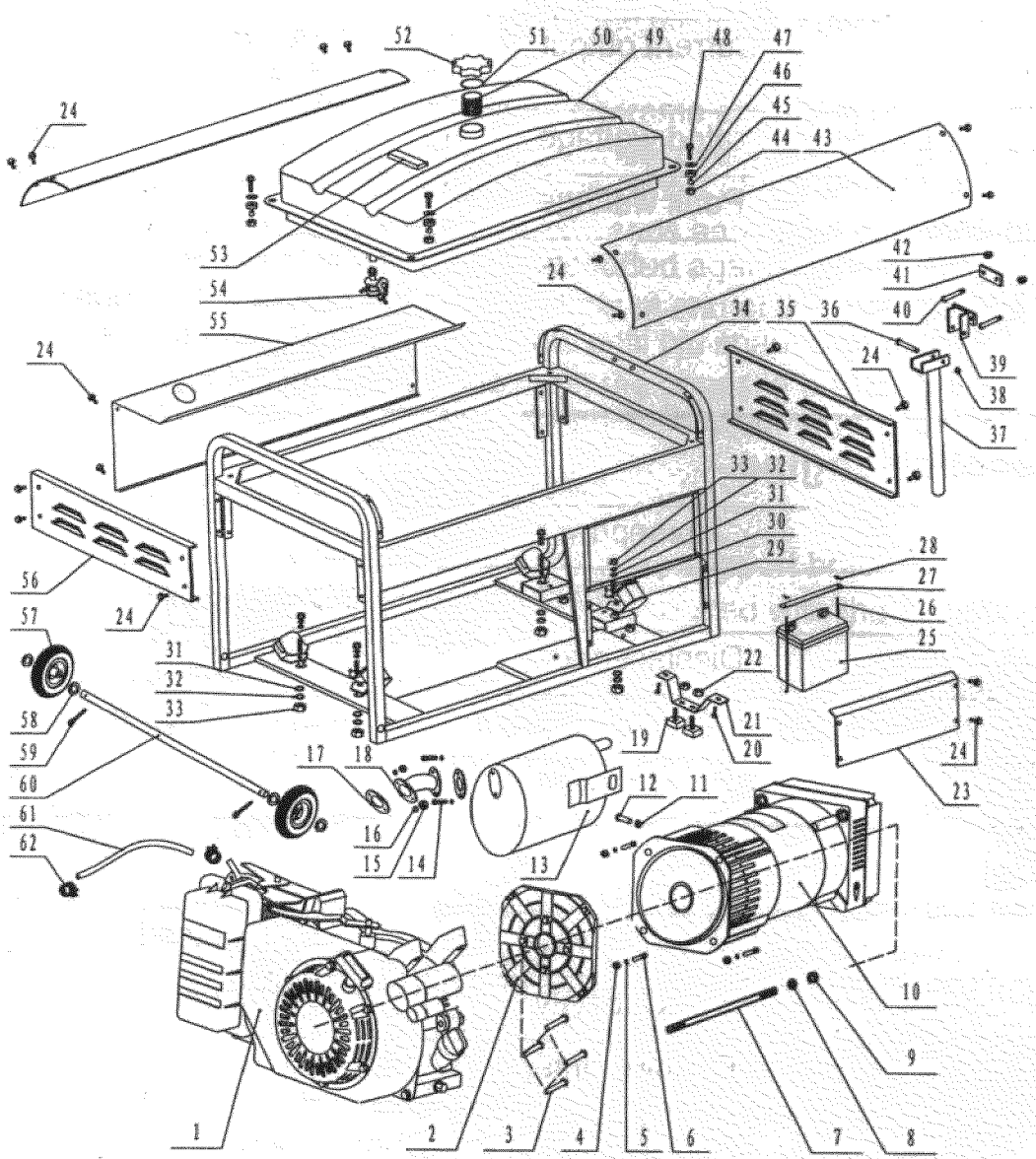
General Parts Listing (Fig.A)



This list is provided for reference purposes only. All repairs and part replacement should be performed by a qualified technician. Some parts may not be available as single replacements.

General Parts Listing (cont'd)

NO.	Item	Q'Y
01	ENGINE	1
02	FLANGE	1
03	SCREW M8*25	4
04	M8 NUT	4
05	SPRING WASHER ϕ8.2	4
06	SCREW M8*30	4
07	SCREW	1
08	WASHER	1
09	M8 NUT	1
10	GENERATOR	1
11	M6 NUT	1
12	SCREW M6*20	1
13	MUFFLER	1
14	SCREW M8*35	2
15	M8 NUT	2
16	SPRING WASHER ϕ8.2	4
17	MUFFLER GASKET	2
18	MUFFLER CONNECT PIPE	1
19	RUBBER MAT	2
20	SCREW M8*16	2
21	BOTTOM	1
22	Nut M8	2
23	Front cover	1
24	SCREW M5*8	24
25	Battery	1
26	Tie down hooks	2
27	Battery tie down	1
28	NUT M6	2
29	ISOLATOR	4
30	SCREW M10*40	4
31	WASHER ϕ11	12

NO.	Item	Q'Y
32	SPRING WASHER ϕ10.2	8
33	NUT M10	8
34	FRAME	1
35	Right cover	1
36	SCREW M8*55	1
37	HAND HANDLE	1
38	M8 NUT	1
39	HAND HANDLE PIECE	1
40	SCREW M8*60	2
41	MAT SLICE	1
42	M8 NUT	2
43	Top cover	2
44	NUT M6	4
45	BUSH	4
46	RUBBER GASKET	4
47	WASHER ϕ6.6	4
48	SCREW M6*18	4
49	FUEL TANK	1
50	FILTER NET	1
51	RUBBER GASKET	1
52	FUEL TANK CAP	1
53	FUEL GAUGE	1
54	FUEL COCK	1
55	Back cover	1
56	Left cover	1
57	Wheel	2
58	Flat washer	4
59	Split pin	2
60	AXLE	1
61	FUEL TUBE	1
62	CLAMP	2

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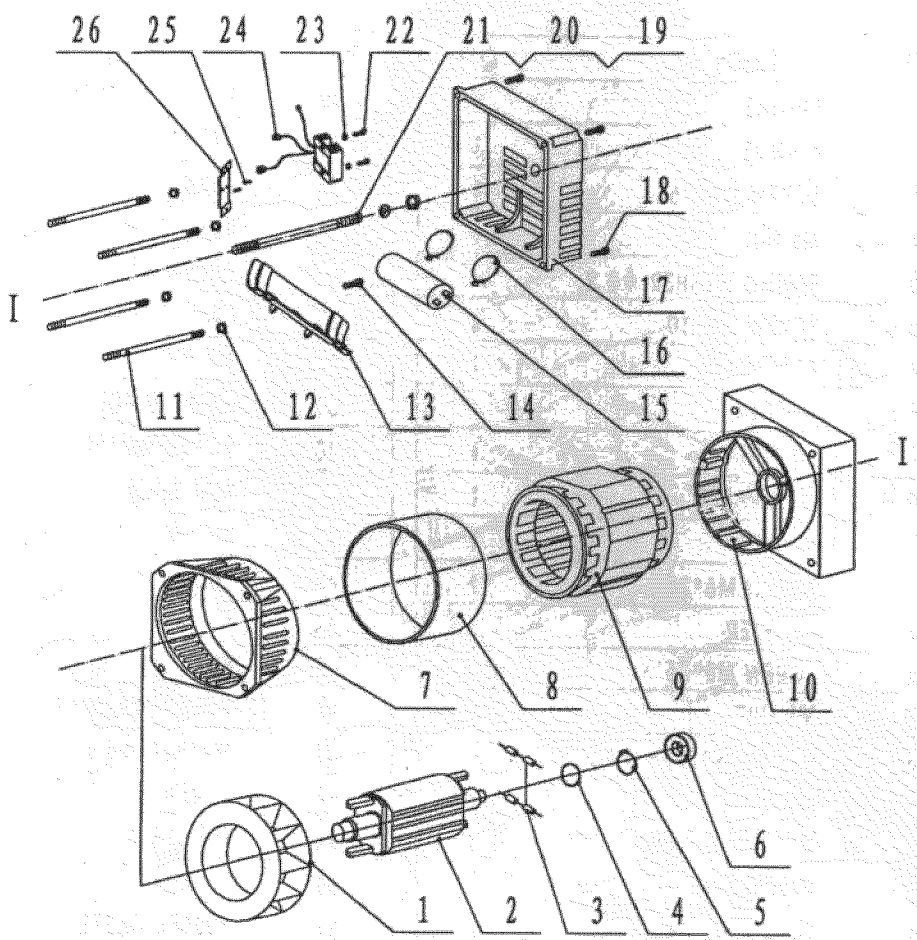
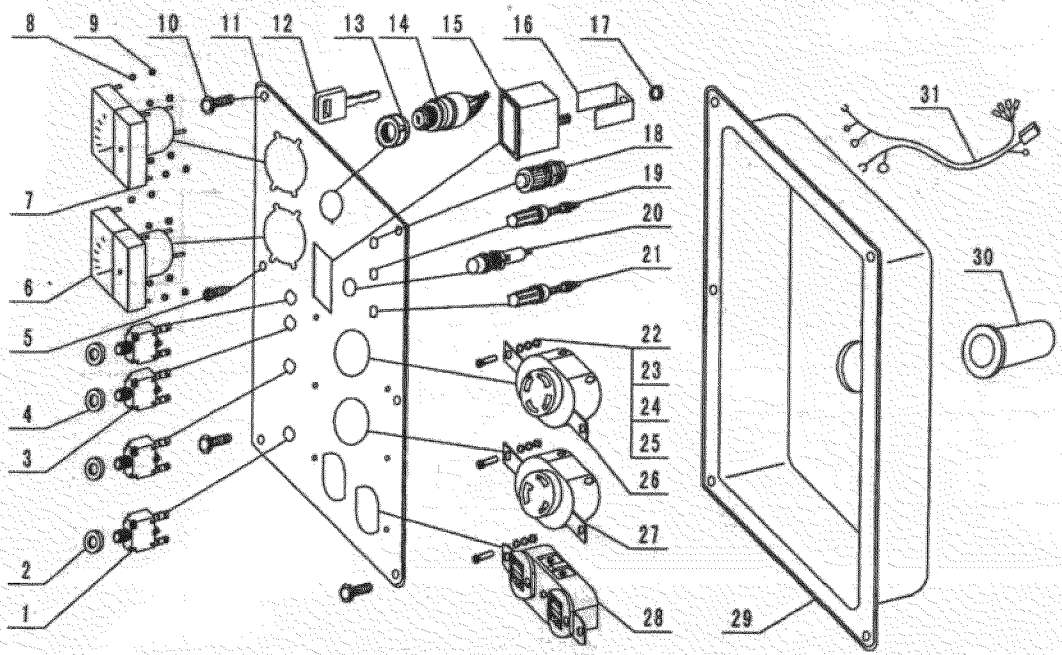
Generator Parts Listing (Fig. B)



NO.	NAME	QTY	NO.	NAME	QTY
01	COOLING FAN	1	14	BOLT M5	1
02	ROTOR	1	15	CAPACITOR	1
03	DIODE	4	16	CAPACITOR FASTENER	2
04	Φ32 WASHER	1	17	ALTENATOR COVER	1
05	Φ32 CLAMP	1	18	BOLT M5	4
06	BEARING	1	19	SCREW M8	1
07	DRIVE END BRACKET	1	20	WASHER	1
08	ENCLOSING BAND	1	21	NUT M8	1
09	STATOR	1	22	SCREW M6	2
10	ALTERNATOR BACK COVER	1	23	WASHER Φ7	2
11	BOLT	4	24	REGULATOR	1
12	M8 NUT	8	25	SCREW M5	2
13	CAPACITOR SHELF	1	26	REGULATOR SHELF	1

Panel Parts Listing (Fig. C)



NO.	NAME	Q'Y
01	Circuit breaker 20A	2
02	Large nut	2
03	Circuit breaker 25A	2
04	Large nut	2
05	Bolt	2
06	AMPmeter	1
07	Woltmeter	1
08	Spring washer ϕ3.2	8
09	M3 NUT	8
10	Electric panel bolt	4
11	Electric panel	1
12	Key	1
13	Large nut	1
14	Starter switch	1
15	Hour meter	1
16	Hour meter bracket	1

NO.	NAME	Q'Y
17	Hour meter nut	1
18	Grounded bolt	1
19	Negative DC port	1
20	DC Fuse	1
21	Positive DC port	1
22	Nut M4	6
23	Spring washer ϕ4.2	6
24	Washer	6
25	Bolt M4	6
26	4 prong socket	1
27	3 prong socket	1
28	Double socket	1
29	Electrical box	1
30	Outlet trap	1
31	Wiring harness	1

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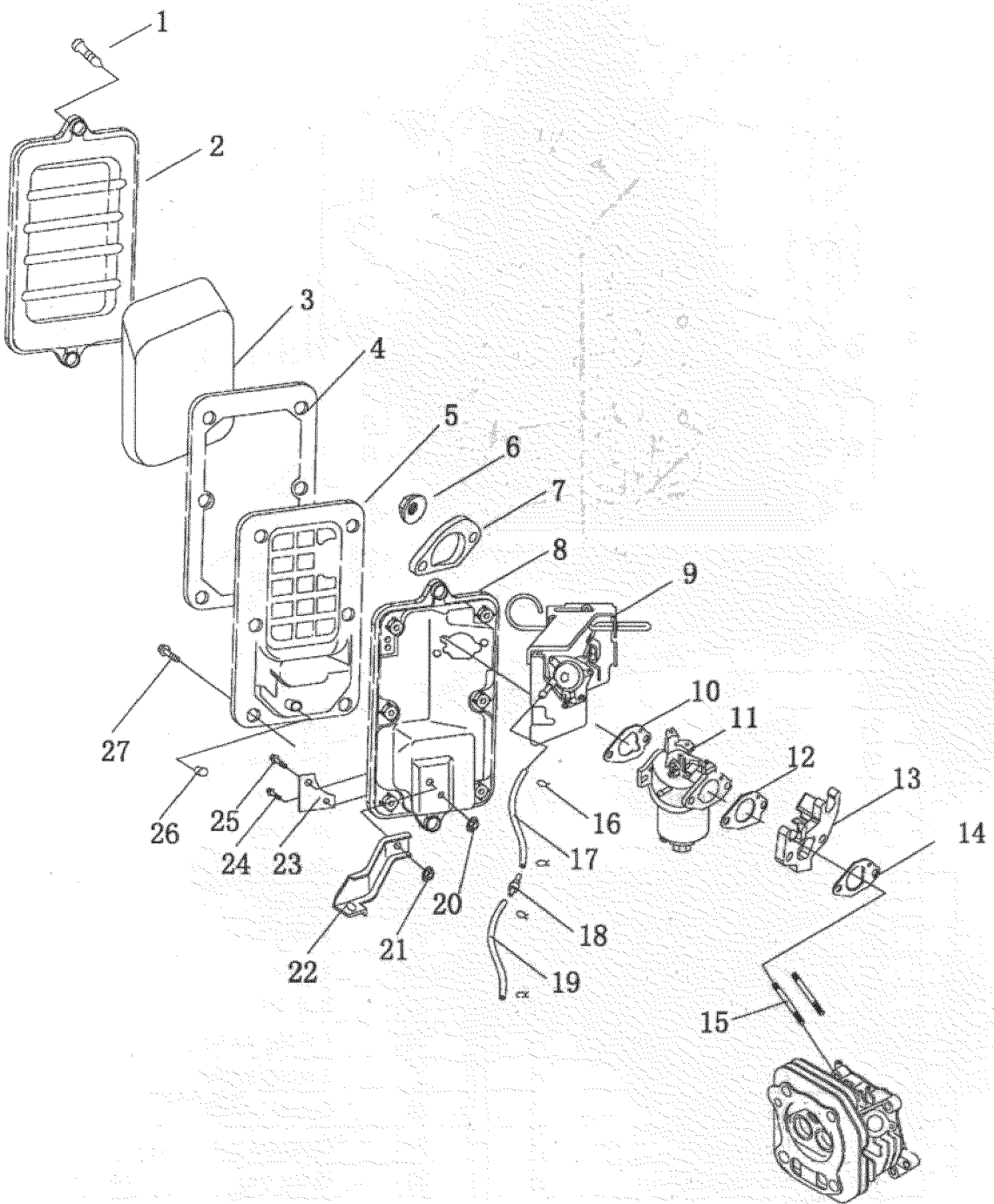
Engine Parts Listing (Fig. D)



Engine Parts Listing (Fig. D cont'd)

Number	Part Description	Qty.
1	M5 x 20A knurl head screw	2
2	Air filter cover	1
3	Washer	1
4	Air filter	1
5	Element fitting plate	1
6	M6 flange	2
7	Plate	1
8	Air filter case	1
9	Choke air valve	1
10	Gasket	1
11	Carburetor	1
12	Gasket	1
13	Gasket	1
14	Gasket	1
15	Stud	2
16	Air pipe clip	4
17	Air pipe A	1
18	Unilateral valve	1
19	Air pipe B	1
20	M5 flanged nut	1
21	M6 flanged nut	1
22	Bracket	1
23	Gasket	1
24	M5 x 15 pan head screw	1
25	M6 x 15 pan head screw	1
26	Air filter	1
27	M5 x 15 pan head screw	6

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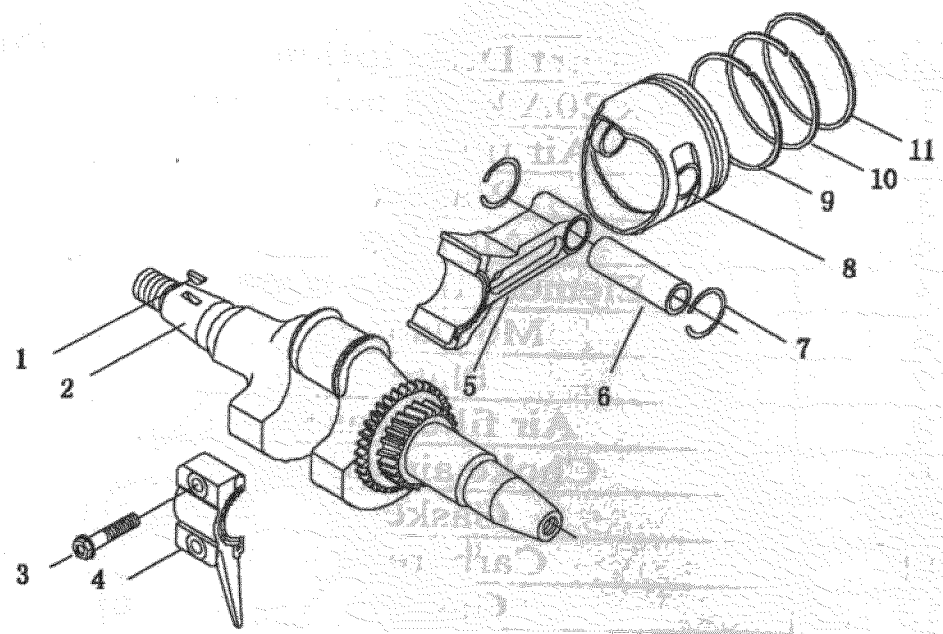
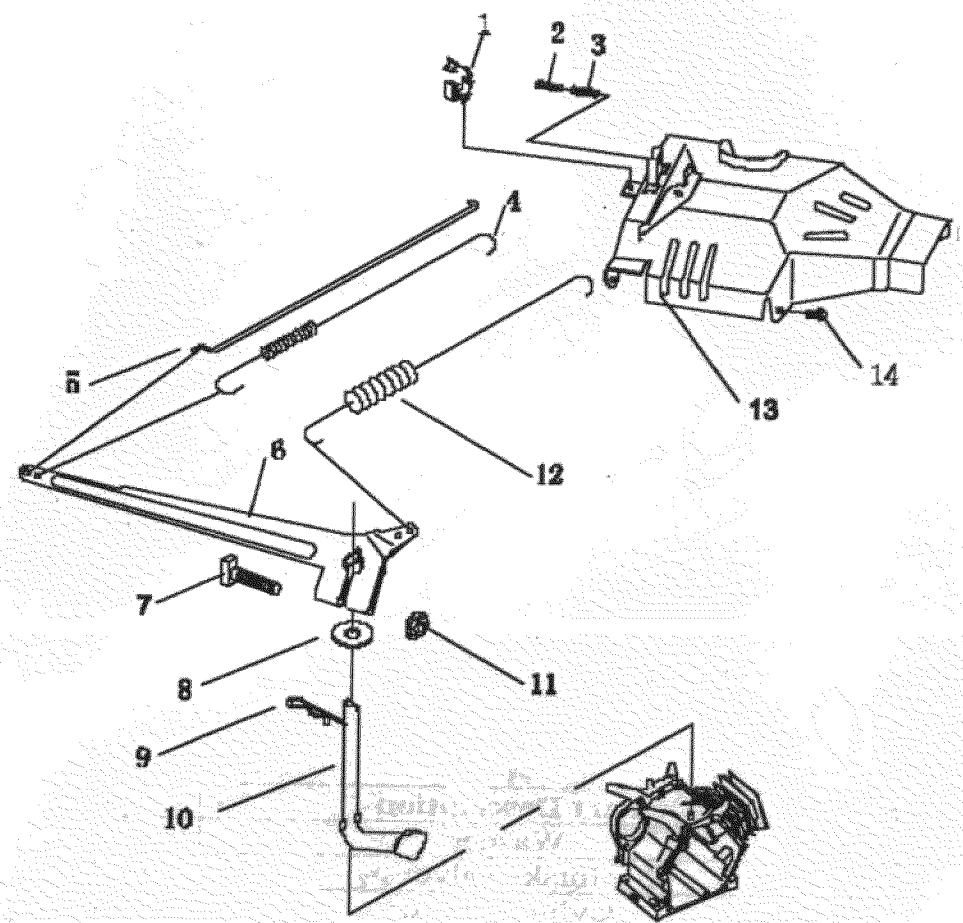
Engine Parts Listing (Fig. E)



Number	Part Description	Qty.
1	Key 4 x 13	1
2	Crank	1
3	Flanged bolt	2
4	Connecting rod cap	1
5	Connecting rod	1
6	Piston pin	1
7	Piston pin circlip	2
8	Piston	1
9	Oil ring	1
10	2nd compression ring	1
11	1st compression ring	1

Engine Parts Listing (Fig.F)



Number	Part Description	Qty.
1	Clamp	1
2	M5 x 35 pan head screw	1
3	Spring	1
4	Spring	1
5	Link rod	1
6	Governor arm	1
7	M6 square head bolt	1
8	Plain washer	1
9	Clip	1
10	Governor shaft	1
11	M6 flanged nut	1
12	Spring	1
13	Wind guide	1
14	M6 x 12 flanged bolt	3

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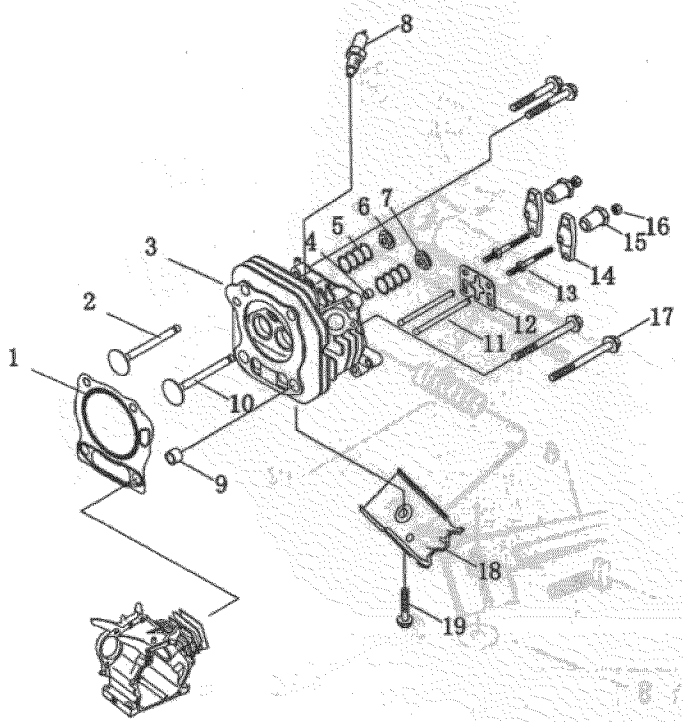
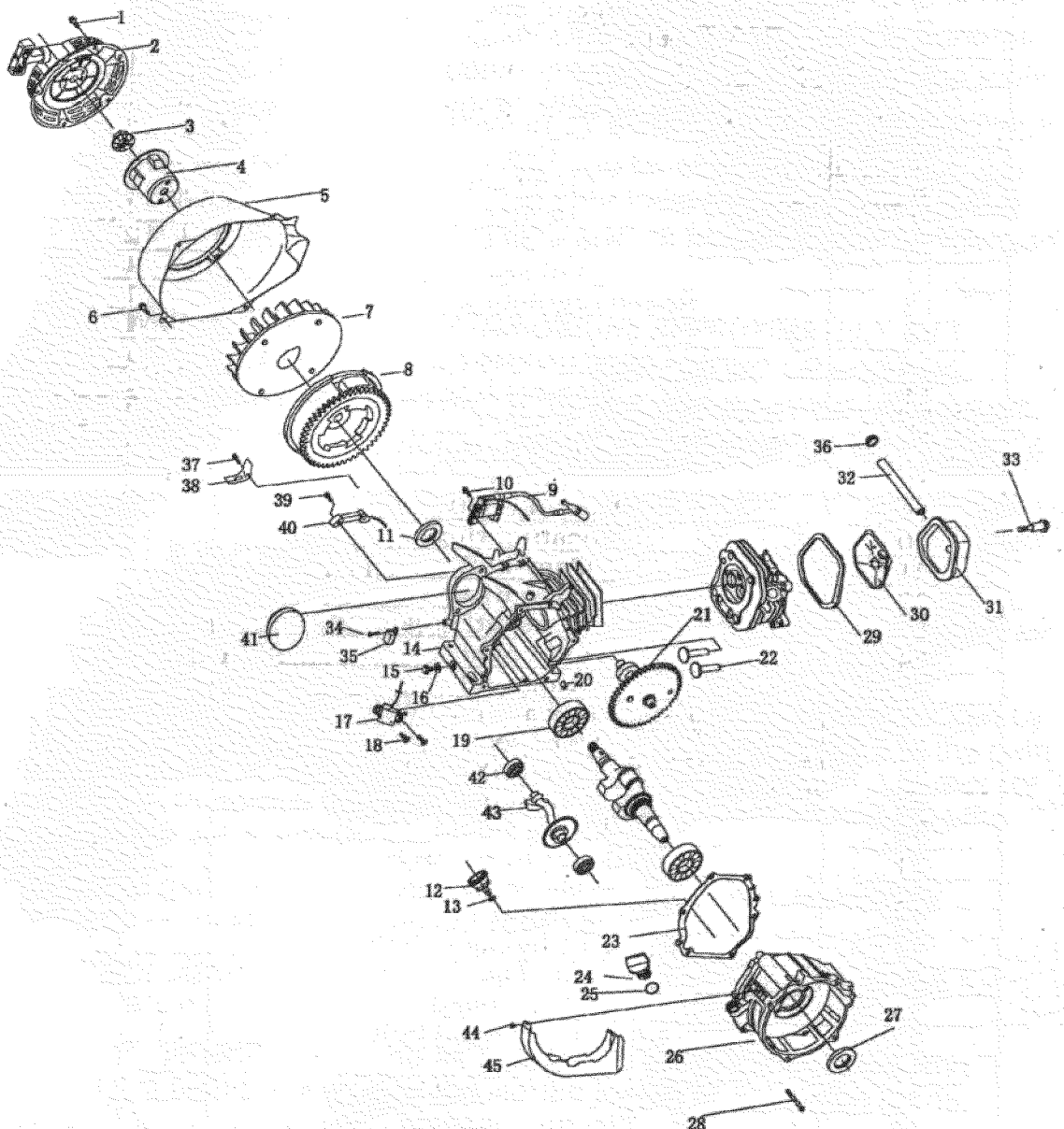
Engine Parts Listing (Fig G)



Number	Part Description	Qty.
1	Washer	1
2	Intake valve	1
3	Cylinder head	1
4	Exhaust valve bushing	1
5	Valve spring	2
6	Intake valve retainer	1
7	Exhaust valve retainer	1
8	Spark plug	1
9	Locating ring	2
10	Exhaust valve	1
11	Push rod	2
12	Push rod guide	1
13	Rocker screw	2
14	Valve rocker arm	2
15	Adjuster	2
16	M6 x 0.75 nut	2
17	M10 x 1.25 x 80-8.8 flanged bolt	4
18	Wind guide	1
19	M6 x 12 flanged bolt	1

Engine Parts Listing (Fig. H)



8000 Watt Generator

Engine Parts Listing (Fig.H)

Number	Part Description	Qty.
1	M6 x 12 flanged bolt	3
2	Recoil starter	1
3	M14 x 1.5 flanged nut	1
4	Starter pulley	1
5	Wind leader	1
6	M6 x 12 flanged bolt	4
7	Fan	1
8	Flywheel	1
9	Igniter	1
10	M6 x 30 bolt	2
11	Oil seal	1
12	Speed regulating wheel	1
13	Washer	1
14	Crankcase	1
15	Flanged bolt	1
16	Washer	1
17	Oil Alert	1
18	M6 x12 flanged bolt	2
19	Bearing 6202	2
20	Locating ring	2
21	Camshaft	1
22	Valve lifter	2
23	Gasket	1
24	Oil cover	1
25	Ring seal	1
26	Crankcase cover	1
27	Oil seal	1
28	Flanged M8 x 40	6
29	Gasket	1
30	Inside shield	1
31	Cylinder head cover	1
32	Gas pipe	1
33	Bolt	4
34	M6 x 12 hexagon bolt	1
35	II DA	1
36	Rubber band	1
37	M6 x 12 flanged bolt	1
38	Board	1
39	M6 x 25 flanged bolt	2
40	Electric magneto	1
41	Starting motor hole cover	1
42	Cylinder head cover	2
43	Balancer shaft	1
44	M6 x 12 flanged bolt	3
45	Wind guide	1

Installation

Note: Prior to powering tools and equipment, make sure the generator's rated voltage, wattage, and amperage capacity 120-240VAC @ 50/25 AMPs) is adequate to supply all electrical loads that the unit will power. If powering exceeds the generator's capacity, it may be necessary to group one or more of the tools and/or equipment for connection to a separate generator.

Electrical and other permits may be required for the installation of emergency power systems. Investigate your local building and electrical codes before installing this unit. Installation must be completed by licensed contractors.

WARNING! THE GENERATOR WEIGHS APPROXIMATELY 224.4 POUNDS. USE CARE AND THE PROPER LIFTING OR HOISTING EQUIPMENT WHEN MOVING IT TO THE INSTALLATION LOCATION. ALWAYS CONNECT HOIST LINES TO THE FRAME OF THE GENERATOR.

General Location

- Make sure to locate and install the generator outdoors where cooling air is readily available.
- Install the generator so that the air inlets and outlets are not blocked by obstructions such as bushes, trees, or snow drifts. Locating it in the path of heavy winds or snowdrifts may require the placement of a barrier for protection. In normal weather conditions, the air vent should face the prevailing wind direction.
- Install the generator on a concrete slab or other area where rain drainage or flood waters can not reach it.
- Generator placement should allow four feet of access to all sides for maintenance.
- Place the generator as close as possible to the electrical tools and equipment being powered to reduce the length of extension cords.
- If the generator in located indoors the engine exhaust must be ventilated to the outdoors using leak-proof, heat resistant flexible metal, flex tubing.

Installation (cont'd)

Support and Mounting

Mount the generator on a concrete slab capable of supporting the weight of the generator. The slab must extend on all sides beyond the frame by at least one foot. Contact a cement contractor for slab specifications if necessary. Attach the frame to the concrete slab using 3/8" diameter expansion anchor bolts (not supplied).

Grounding

Note: It is recommended that only a trained and licensed electrician perform this procedure.

Connect a #6 AWG grounding wire (not included) from the ground connector on the generator to a grounding rod (not included) that has been driven at least 24 inches deep into the earth. The grounding rod must be an earth-driven copper or brass rod (electrode) which can adequately ground the generator.

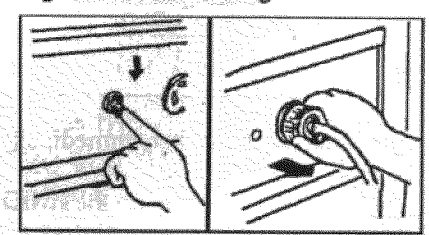
Operation

Recoil Starter

CAUTION! NEVER start or stop the unit with electrical loads connected AND with the connected devices turned ON.

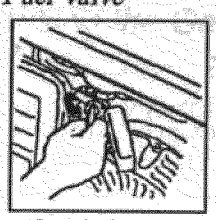
STARTING THE ENGINE
Before starting the engine, verify that the engine oil is full, gasoline is full, and air Filter is in place. Also, disconnect any load from the AC receptacle, and turn the AC circuit breaker OFF (Figure 1).

Figure 1. Disconnecting electrical devices



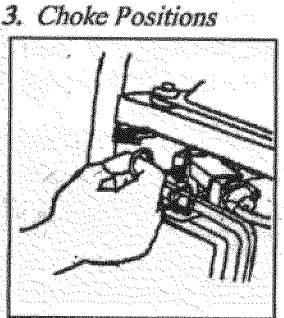
- Turn the fuel valve to the "On" position (Figure 2).

Figure 2. Fuel Valve



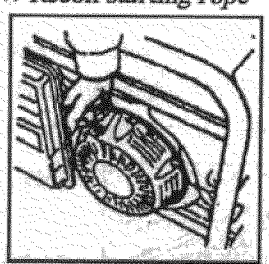
- Place the choke lever in the "CHOKE" position (Figure 3.).

Figure 3. Choke Positions



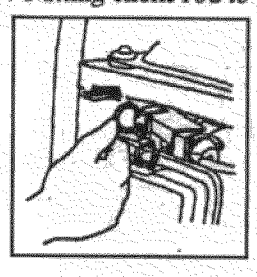
- Pull the recoil starter grip lightly until resistance is felt, then pull hard. Warning: Do not allow the starter grip to snap back against the engine. Return it gently (Figure 4.).

Figure 4. Recoil starting rope



Push the choke rod to the "OPEN" position a short distance at a time over several seconds as the engine warms up (Figure 5).

Figure 5. Putting choke rod to "OPEN"



8000 Watt Generator

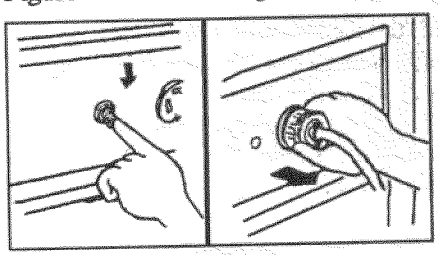
Operation (cont'd)

ELECTRIC STARTER

STARTING THE ENGINE

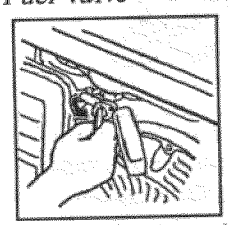
Before starting the engine, verify that the engine oil is full, gasoline is full, and air Filter is in place. Also, disconnect any load from the AC receptacle, and turn the AC circuit breaker OFF (Figure 1).

Figure 1. Disconnecting electrical devices



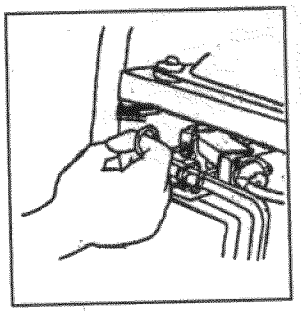
- Turn the fuel valve to the "On" position (Figure 2).

Figure 2. Fuel Valve



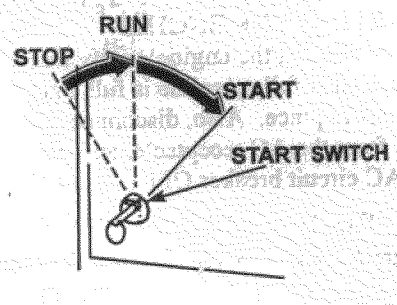
- Place the choke lever in the "CHOKE" position (Figure 3.).

Figure 3. Choke Positions



- Turn the key starting the engine (Figure.4).

- Slowly turn the key to the start position, once the engine fires up, release the key immediately

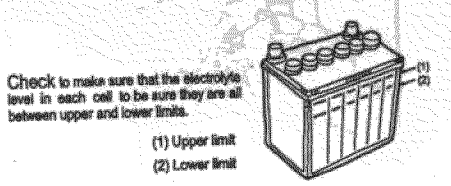


CAUTION:

- Take your hand off the switch immediately after theengine starts.
- If the engine fails to start,elease the switch, wait a few seconds, then try again. Each attempt should be as short as possible to preserve the battery. Do not crark the engine more than 10 seconds on any one attempt.

Batteries contain electrolyte fluid or battery acid. Batteries emit hydrogen gases as battery is being charged. The slightest spark will iginte hydrogen and cause and explosion.

Note: The customer is reponsible for purchasing a battery for the unit. The battery capacity at 28Ah~36Ah.



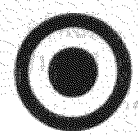
Operation (cont'd)

Powering 120 Volt AC Tools And Equipment:

1 Prior to powering tools and equipment, make sure the generator's rated voltage, and amperage capacity (120-240VAC @ 50/25 AMPs) is adequate to supply all electrical loads that the unit will power. If powering exceeds the generator's capacity, it may be necessary to group one or more of the tools and/or equipment for connection to a separate generator.

CAUTION: ATTEMPTING TO POWER SENSITIVE ELECTRONIC EQUIPMENT WITHOUT THE USE OF AN APPROVED LINE CONDITIONER MAY CAUSE DAMAGE TO THE EQUIPMENT. ALL POWER AMERICA IS NOT RESPONSIBLE FOR ANY DIRECT OR INDIRECT DAMAGE CAUSED BY FAILURE TO USE AN APPROVED LINE CONDITIONER.

2 Once the generator is running, simply connect the power cords of 110/120 volt AC powered tools and equipment into the 110/120 volt AC dual outlets.



Note: The Generator features an AC Non-Fuse Circuit Breaker to protect the AC circuit in case of an overload. Should an overload occur, the Breaker will "trip" to its "OFF" position, causing the Generator to automatically shut down. In this case, refer to Step #1 above in this section. Then, reset the circuitry system by turning the Circuit Breaker to its "ON" position. Restart the Generator and continue powering the remaining tools and equipment.

3 When finished using the generator, turn the start switch to its " STOP " position. Turn the fuel valve to its "OFF" position.

4 Disconnect all electrical powered tools and equipment from the generator's 110/120 volt AC duel outlets.

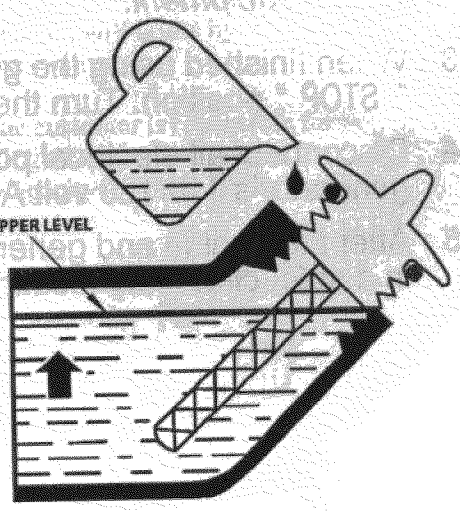
5 After the engine and generator have completely cooled, store generator in a safe, clean, dry location (if not already installed).

8000 Watt Generator

Inspection, Cleaning, and Maintenance

WARNING! ALWAYS MAKE SURE THE ENGINE POWER SWITCH (2) IS IN ITS "OFF" POSITION. DISCONNECT THE SPARK PLUG WIRE FROM THE ENGINE. AND ALLOW SUFFICIENT TIME FOR THE ENGINE AND GENERATOR TO COMPLETELY COOL BEFORE PERFORMING ANY INSPECTIONS, MAINTENANCE, OR CLEANING.

- Before each use, inspect the generator. Check for:
  - Loose screws
  - Misaligned or binding moving parts
  - Cracked or broken parts
  - Damaged electrical wiring
  - Any other condition that may affect safe operation.
- If an engine problem occurs, have it checked by a qualified service technical before further use. Do not use damaged equipment.
- Before each use, make sure the engine's oil and gas levels are adequate. If necessary, fill the crankcase until the oil level is even with the oil hill hole and/or fill the fuel tank.
- Before each use, remove all debris with a soft brush, rag, or vacuum.
- Lubricate all moving parts using a premium quality, lightweight machine oil.
- Every 20 hours of use, drain the old engine oil and replace with approximately ¾ (1.1) quart of a high quality SAE 10W-30 grade engine oil.
- Every 300 hours of use, have a qualified, certified technician perform thorough maintenance on the generator and engine.
- For long term storage, either drain fuel into a suitable container or add a fuel preservative/stabilizer (not included) to prevent fuel breakdown.



Compliance

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC 20460

2005 Model Year Certificate of Conformity

- **Manufacturer:** Ningde CUE Electrical and Machinery CO.,LTD.
- **Certificate Number:** CUE -NRSI-05-02
- **Effective Date:** 3/10/2005
- **Date Issued:** 3/10/2005

Merrylin Zaw-Mon, Director, Certification and Compliance Division, Office of Transportation and Air Quality.

Pursuant to Section 213 of Clean Air Act (42 U.S.C. section 7547) and 40 CFR 90, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued for the following small non-road engine family, more fully described in the documentation required by 40 CFR 90 and produced in the stated model year.

This certificate of conformity covers only those new small non-road engines which conform in all material respects to the design specifications described in the documentation required by 40 CFR 90 and which are produced during the model year stated on this certificate. This certificate of conformity does not cover small non-road engines imported prior to the effective date of the certificate.

This certificate of conformity is conditional upon compliance of said manufacturer with the averaging, banking, and trading provisions of 40 CFR Part 90, Subpart C both during and after model year production. Failure to comply with these provisions may render this certificate void ab initio. The HC + NOX family emission limit (FEL) is: g/k W-hr.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 90.126 and 90.506 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR 90. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR 90.

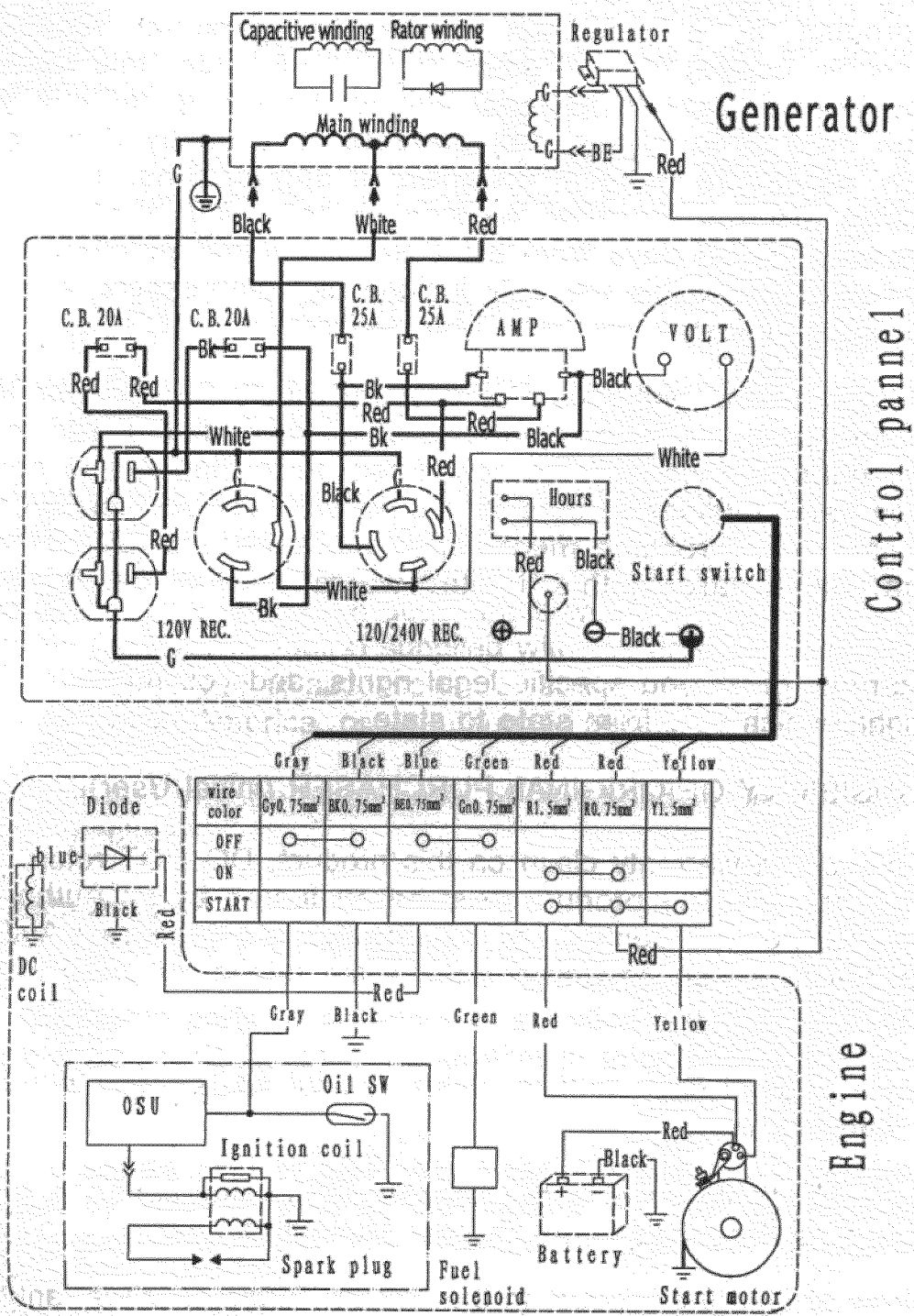
This certificate does not cover small non-road engines sold, offered for sale , or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.

8000 Watt Generator

TROUBLESHOOTING

Problem	Cause	Solution
Problem will not start or runs rough when started	1. Engine switch set to "OFF". 2. Fuel valve is in the"Off "position. 3. Dirty air cleaner. 4. Out of gasoline. 5. Bad gasoline. 6. Loose or disconnected spark plug wire. 7. Bad spark plug. 8. Water in gasoline. 9. Overchoking. 10. Low oil level. 11. Excessive rich fuel mixture. 12. Intake valve stuck open or closed. 13. No compression.	1. Set switch to "On". 2. Turn fuel valve to the "On". 3. Clean or replace air cleaner. 4. Fill fuel tank. 5. Drain gas tank and fill with fresh fuel. 6. Connect wire to spark plug. 7. Replace spark plug. 8. Drain gas tank: fill with fresh fuel. 9. Set choke to Run position. 10. Fill crankcase to proper level. 11. Contact your local service dealer. 12. Contact your local service dealer. 13. Contact your local service dealer.
Engine running but AC output	1. Circuit breaker open. 2. Defective cord or poor. 3. Connected device is faulty. 4. The capacitor or the diode is damaged.	1. Reset circuit breaker. 2. Check and repair. 3. Connect a good condition device. 4. Change the capacitor or diode.
Engine runs good but gets bogged Down when loads are connected.	1. Electrical short in connected. 2. Generator is overloaded. 3. Engine speed too low. 4. Generator circuit shorted.	1. Disconnect shorted electrical load. 2. Refer to "connecting electrical loads and electrical capacity". 3. Contact your local service department. 4.Contact your local service department.
Engine lacks power.	1. Load is too high. 2. Dirty air filter. 3. Engine needs to be serviced.	1. See " connecting electrical loads and electrical capacity". 2. Replace air filter. 3. Contact your local service dealer.
Engine shuts down during operation.	1. Out of gasoline. 2. Problem with engine.	1. Fill fuel tank. 2. Contact your local service dealer.
Engine hunts or falters.	1. Choke is opened too soon. 2. Carburetor is running too rich or too lean.	1. Move choke to halfway position till engine runs smoothly. 2. Contact your local service dealer.

WIRING DIAGRAM



8000 Watt Generator

Limited warranty

All-Power America warrants to the original purchaser who uses the product in a consumer application (personal, residential or household usage) that all products covered under this warranty are free from defects in material and workmanship for one year from the date of purchase. All products covered by this limited warranty which are used in commercial applications(i.e. Income producing) are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. Products covered under this warranty include air compressors, air tools, service parts, pressure washers, and generators.

All-Power America will repair or replace, at All-Power America's sole option, products or components which have failed with in the warranty period.Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replace ment parts. all decisions of All-Power America with regard to this limited warranty shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (initial User):

- To process a warranty claim on this product, DO NOT return item to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center contact the retailer or place of purchase.
- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.

Limited warranty (cont'd)

- Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center that provides on-site service calls for service call arrangements.

- If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact All-power America.

THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, used as rental equipment, or floor or display models.

- Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owners Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by All-Power America, or unauthorized repair ofr alterations.

- Repair and transportation costs of merchandise determined not to be defective.

- Costs associated with assembly, required oil, adjustments or other installation and start-up costs.

- Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.

- Merchandise sold by All-Power America which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer' s warranty, if any, will apply.

Limited warranty (cont'd)

- ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECTS, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY. Some states do not allow the exclusion, so it may not apply to you.

- IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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