

Homelite®

3500 WATT ELECTRIC GENERATOR

OWNERS MANUAL

IMPORTANT: READ AND UNDERSTAND ALL OPERATING INSTRUCTIONS AND WARNING LABELS THOROUGHLY BEFORE STARTING THIS GENERATOR.

This product is not to be returned to retailer. For service, parts and warranty information, call toll free 1-866-260-8280

REV. A

Homelite®

Generator Warranty

Congratulations on your purchase of a Homelite Generator

It is warranted to be free of manufacturing defects in the material of workmanship for a period of 1 year from the date of purchase. During the warranty period Homelite will at its option, repair, provide replacement parts or replace your Homelite generator at no charge. This warranty does not cover normal wear items or damage caused by neglect or misuse of the product.

Engine Warranty – 1 year
Electrical component Warranty - 1 year

Warranty is void if:

Generator is bent or broken due to abuse or accidents
Proper maintenance is not performed on the engine as outlined in the owners manual.
Generator shows signs of erosion, corrosion, or signs of normal wear and tear.
If the product is used as rental equipment.

Homelite or its affiliates is not liable for any damage claim or liability claim person or otherwise resulting from the operation of this product in any way.

Should you experience a problem or need to return your generator for repair, please call our customer service department TOLL FREE at 1-866-260-8280 between the hours of 7am and 5pm Monday thru Friday PST and Saturday 8am to 4pm PST. During DST hours change to MT. You will be instructed how to proceed.

A COPY OF THE SALES RECEIPT IS REQUIRED.

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SAFETY POINTS

WARNING

CARBON MONOXIDE HAZARD

Fumes can be harmful or fatal.

You CAN NOT see or smell this gas.

Do not operate generators indoors

Do not operate generators in garage or carport

Do not operate generators near open doors or windows

WARNING

To avoid Electrical shock, do not operate in a wet environment

Keep flammables at least 4 feet away

Do not smoke while adding fuel

Do not overfill gas tank causing fuel to spill

Turn engine off before refueling

WARNING

To avoid Electrical shock, make sure generator is grounded

Parts and Subassemblies

Fuel level gauge

Gas cap

Voltage switch

On Off Switch

Circuit Breaker

AC Outlet Terminals

Ground Terminal

Oil drain plug screw

Front View

Oil dip stick plug

Choke Lever

Fuel Valve

Air Filter box

Engine Label

Starter pull cord

Side View

Choke lever

Carburetor

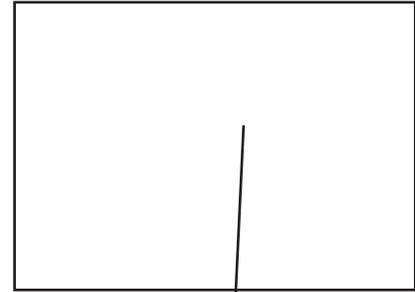
Carburetor drain screw

Rear View

Before Each Operation

Caution: Checking and filling oil and gas must be carried out on level ground with the engine turned off

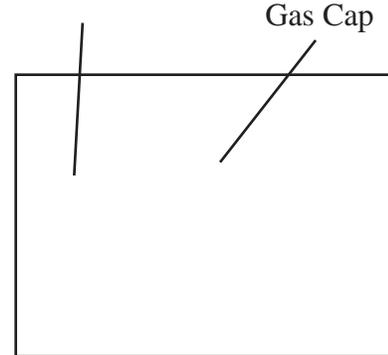
1. Check oil level: If oil is low on dip stick, add oil up to the edge of the fill hole. After checking oil, make sure oil dip stick cap has been re-installed and tightened. Recommended Oil: SAE10W-30



Dip Stick

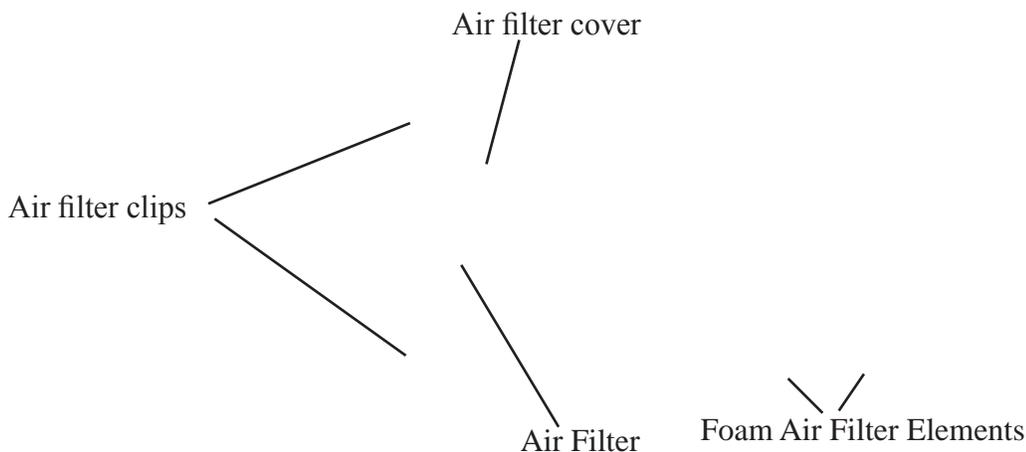
Gasoline sight gauge

2. Check Fuel level: Check Gasoline level by looking at sight gauge located on top of tank. If gasoline is low, remove gas cap and add gasoline up to the bottom of the filler neck.



WARNING: DO NOT OVERFILL GAS TANK ALLOWING GASOLINE TO SPILL

3. Check Air Filter: Remove air filter foam elements by unlatching clips on top and bottom of air filter housing. Check the foam filter elements making sure they are clean and intact. If air filter elements need cleaning, follow the instructions on page 11.



Starting the Generator

1. Remove (unplug) all loads from the AC outlet Terminals.

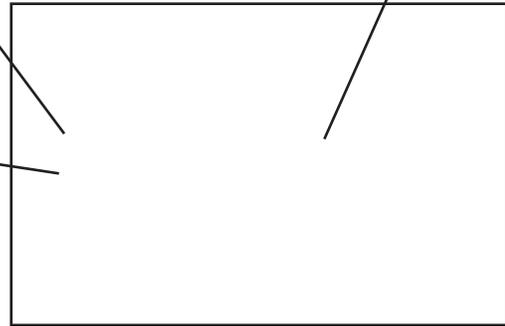
AC Circuit Breaker

AC Outlet Terminals

2. Turn the AC circuit breaker to the "OFF" position

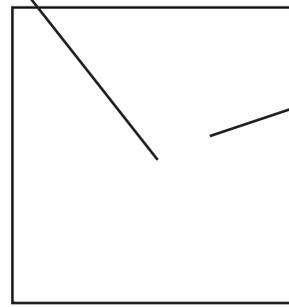
ON

OFF



3. Turn the fuel valve to the "ON" Position.

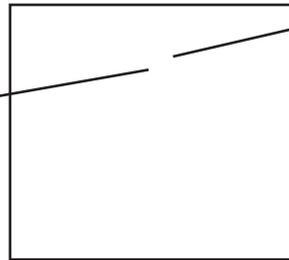
Fuel Valve



4. Turn the Choke lever to the "CLOSED" position.

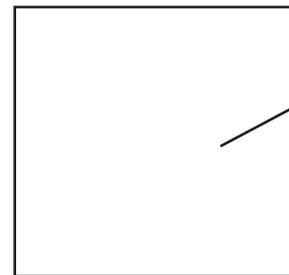
Choke
← CLOS ED OPEN →

Choke Lever



5. Turn the engine switch to "ON".

On/Off Switch



Start Pull Handle

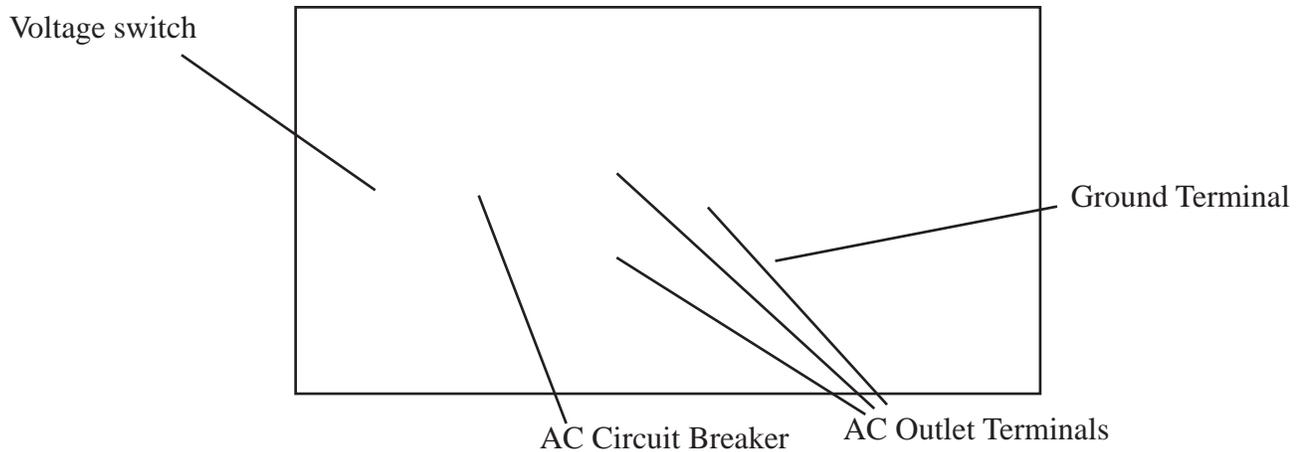
6. Gently pull the starting pull handle until some resistance is felt and then pull it abruptly.

7. Once engine has warmed up, turn the choke lever to the "OPEN" position.

Usage of Generator

USE OF AC

- 1: Ground generator by attaching ground wire to ground terminal. The other end of the ground wire should be attached to a grounded object or attached to a grounded metal spike.
- 2: Start the engine using “Starting Generator” procedure on previous page .
3. Connect needed devices to the AC Outlet Terminals.



4. Turn voltage switch to 120V or 240V depending on needed voltage.
5. Turn AC Circuit breaker to “ON” position.
Note: Overcurrent will automatically turn off the AC breaker. When breaker is tripped to “OFF” position, reduce load and re-start a few minutes latter.

To keep generator in optimal condition mechanically and electrically, the following points shall be observed

1. The total power of electric load shall not exceed the rated power of the generator
2. If generator is to be wired for house power supply, wiring shall be carried out by an electrician. Check to make sure all wiring is correct. Wrong wiring will cause damage to the generator and even a fire.
3. Ground generator before use.

Wattage Reference Guide

TOOL OR APPLIANCE	RUNNING (RATED) WATTS	ADDITIONAL STARTING WATTS	TOOL OR APPLIANCE	RUNNING (RATED) WATTS	ADDITIONAL STARTING WATTS
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HOME

ESSENTIALS:

Light Bulb - 60 Watt	60	0
Light Bulb - 70 Watt	75	0
Refrigerator / Freezer	700	2200
Sump Pump - 1/3 HP	800	1300
Sump Pump - 1/2 HP	1050	2200
Water Well Pump - 1/3 HP	1000	2000
Electric Water Heater	4000	0

HEATING/COOLING

Space heater	1800	0
Humidifier - 13 gallon	175	0
Furnace Fan - 1/2 HP	800	2350
Furnace Fan - 1/3 HP	700	1400
Window AC 10,000 BTU	1200	1800
Window AC 12,000 BTU	3250	3950
Central AC 10,000 BTU	1500	3000
Central AC 24,000 BTU	3800	4950
Central AC 40,000 BTU	6000	6700
Heat Pump	4700	4500

LAUNDRY ROOM

Iron	1200	0
Washing Machine	1150	2250

Clothes Dryer - Electric	5400	1350
Clothes Dryer - Gas	700	1800

KITCHEN

Microwave Oven 625W	625	0
Microwave Oven 1000W	1000	0
Coffee Maker	1000	0
Electric Stove 8" Element	2100	0
Dishwasher Hot/Dry	1500	1500
Food Processor	400	0
Toaster Oven	1200	0
Toaster	850	0
Electric Can Opener	168	0

FAMILY ROOM

VCR	100	0
Stereo Receiver	450	0
Color TV 27"	500	0
X-box, Game Qube., Play Station 40		0

OTHER

Security System	500	0
1/2HP Garage Door Opener	875	2350
Curling Iron	1500	0
Hair Dryer 1250W	1250	0

WORK

DIY/JOBSITE:

Quartz Hal. Work Light 300W	300	0
Quartz Hal. Work Light 500W	500	0
Quartz Hal. Work Light 1000W	1000	0
Airless Sprayer 1/3 HP	600	1200
Reciprocating Saw	960	0
Electric Drill 3/8", 4.0 amp	440	600
Electric Drill 1/2" 5.4 amp	600	900
Hammer Drill	1000	3000
Circular Saw 7 1/4"	1400	2300
Miter Saw 10"	1800	1800

Planer/Joiner 6"	1800	1800
Table Saw/Radial Arm 10"	2000	2000
Belt Sander	1200	2400
Air Compressor 1/4 HP	975	1600
Air Compressor 1 HP	1600	4500

OFFICE EQUIPMENT

Personal Comp. 17" Monitor	800	0
Fax Machine	65	0
Laser Printer	950	0
Ink Jet Printer	80	0
Copy Machine	1800	0

PLAY

TAILGATING/CAMPING

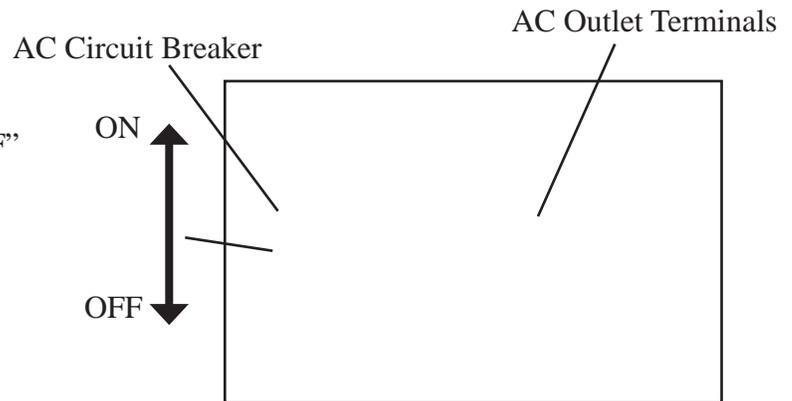
Electric Grill	1650	0
AM/FM Radio	100	0
CD/DVD Player	100	0
Box Fan 20"	200	0

Color TV 13"	150	0
Outdoor light String	250	0
Cell Phone Battery Charger	25	0
Inflator Pump	50	150

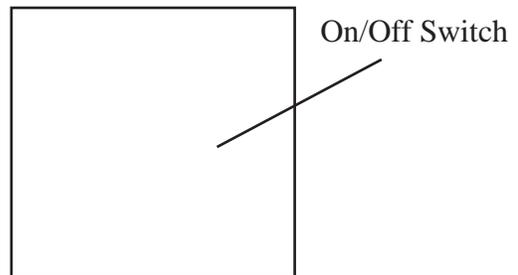
NOTE: Wattages listed are only approximates. Check your electrical device for actual wattage.

Stopping the Generator

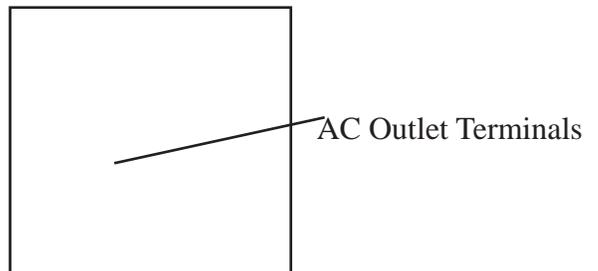
1.. Turn the AC circuit breaker to the “OFF” position



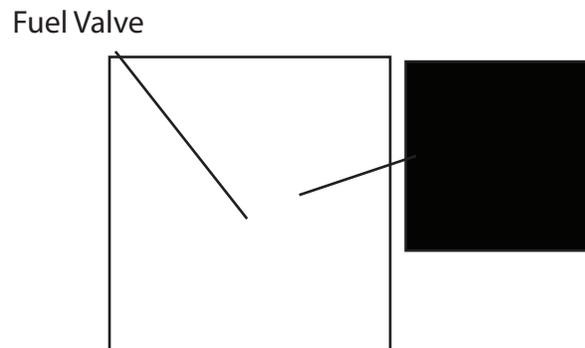
5. Turn the generator switch to “OFF”.



5. Remove Loads from outlet terminals.



3. Turn the fuel valve to the “OFF” Position.

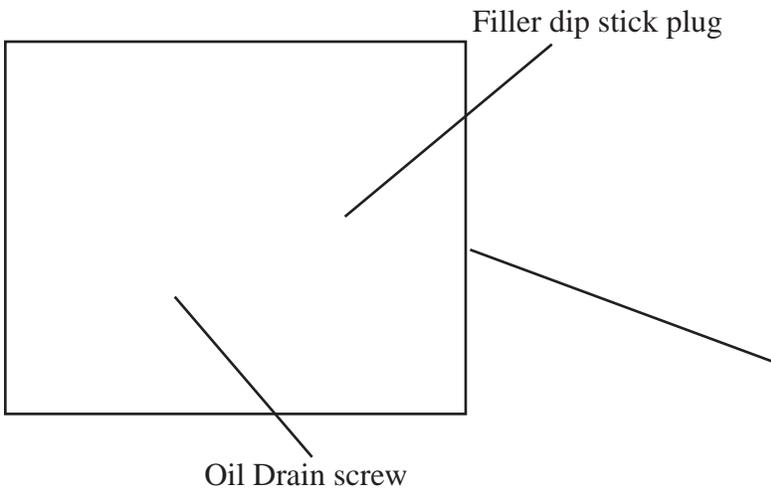


NOTE: When an emergency stop of the engine is needed, turn the generator switch to “OFF” position

Maintenance

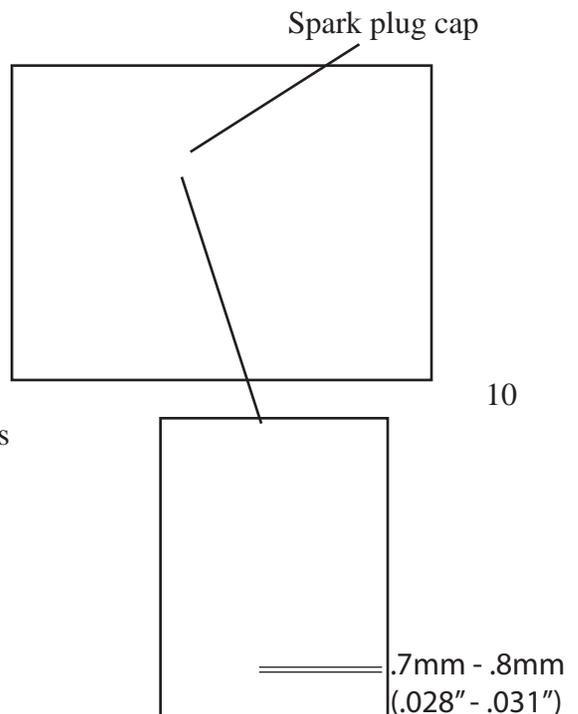
OIL CHANGE

1. Loosen and remove the filler dip stick plug
2. Loosen and remove the drain screw located at the bottom of the engine.
3. Allow the oil to drain in a appropriate container.
4. Reattach the drain screw and tighten .



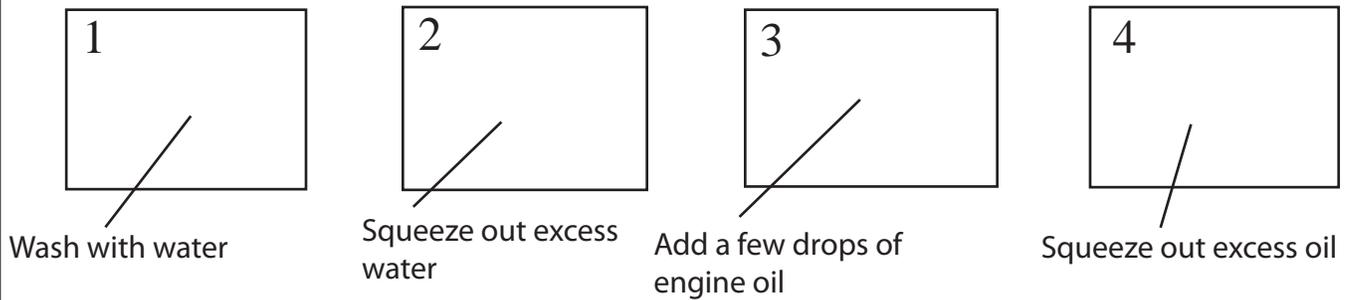
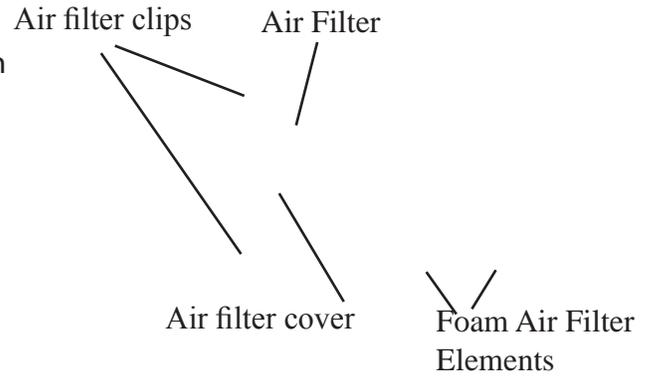
CHECK-UP OF SPARK PLUG

1. Remove spark plug cap and remove spark plug using wrench provided
2. Clean spark plug or replace it if it is corroded or there is too much deposit on it.
3. Regulate the gap of the spark plug to .7mm - .8mm (.028"-.031").
3. The spark plug of the designated type should be used.
The applicable type of spark plug: Meiya - F7RTC
Champion- RN9YC, NGK - BPR5ES



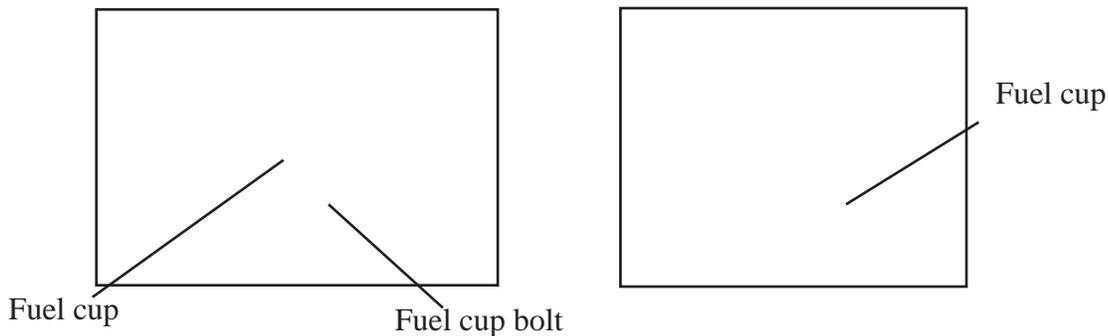
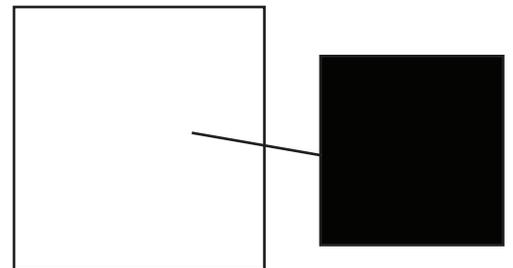
CLEANING OF AIR FILTER

1. Undo air filter clips and remove foam elements.
2. Wash foam elements gently in water or a mild non flammable solvent
3. Squeeze water out of foam and let dry.
4. Apply a few drops of oil .
5. Squeeze out excess oil from foam.
6. Reinstall foam elements in air filter.



FUEL CUP CLEANING

1. Turn Fuel valve to "OFF" position.
2. Unscrew fuel cup bolt located on bottom of Carburetor.
3. Remove fuel cup and clean with a clean rag and solvent.
4. Reinstall fuel cup and tighten bolt.



Items of Maintenance	MAINTENANCE SCHEDULE				
	Each Use	1st Month or 20 hours	Every 3 Months or 50 hours	Every 6 Months or 100 hours	Every Year or 300 hours
Engine Oil- Check	X				
* Engine Oil - Change		X		X	
Air Filter-Check	X				
* Air Filter-Clean			X		
* Air Filter- Change					X
* Carburetor Sediment cup - Clean				X	
Spark Plug- Check - Adjust				X	
Spark plug - Replace					X
Idle Speed - Check, Adjust					X
** Valve Clearance - Check, Adjust					X
Fuel Tank and Filter- Clean				X	
Fuel Tube - Chcek					X

"*" means: This item of maintenance should be carried out at a service center. It may be also done by the user with reference to this manual provided special tools and authorized spare parts are used. The user must also be capable of completing the procedure.

"**" means: This item should only be carried out by an authorized service center.

Notes:

1. Maintenance should be conducted more frequently when Generator is used in dusty areas.
2. When Generator has exceeded the maximum figures specified in the table, maintenance should be still cycled according to the intervals of time or hours stated herein.

TROUBLESHOOTING

Engine will not Start

1. Fuel Valve OFF	Move Fuel valve lever to ON.
2. Choke OPEN	Move Chock Lever to CLOSED
3. Out of fuel	Refuel
4. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline	Drain fuel and carburetor. Refuel with fresh gasoline
5. Spark plug faulty, fouled, or improperly gapped	Remove and inspect spark plug. Clean, gap, or replace
6. Spark plug wet with fuel (flooded engine)	Remove and inspect spark plug. Dry and reinstall spark plug.
7. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Take the engine to a qualified mechanic. Replace or repair faulty components as necessary

Engine Lacks Power

1. Filter element(s) clogged	Check air filter Clean or replace.
2. Bad fuel; engine stored without treating or draining gasoline, or refueled with bad gasoline.	Drain fuel tank and carburetor. Refuel with fresh gasoline.
3. Fuel filter clogged, carburetor malfunction, ignition malfunction, valves stuck, etc.	Take engine to a qualified mechanic. Replace or repair faulty components as necessary.

There is no voltage

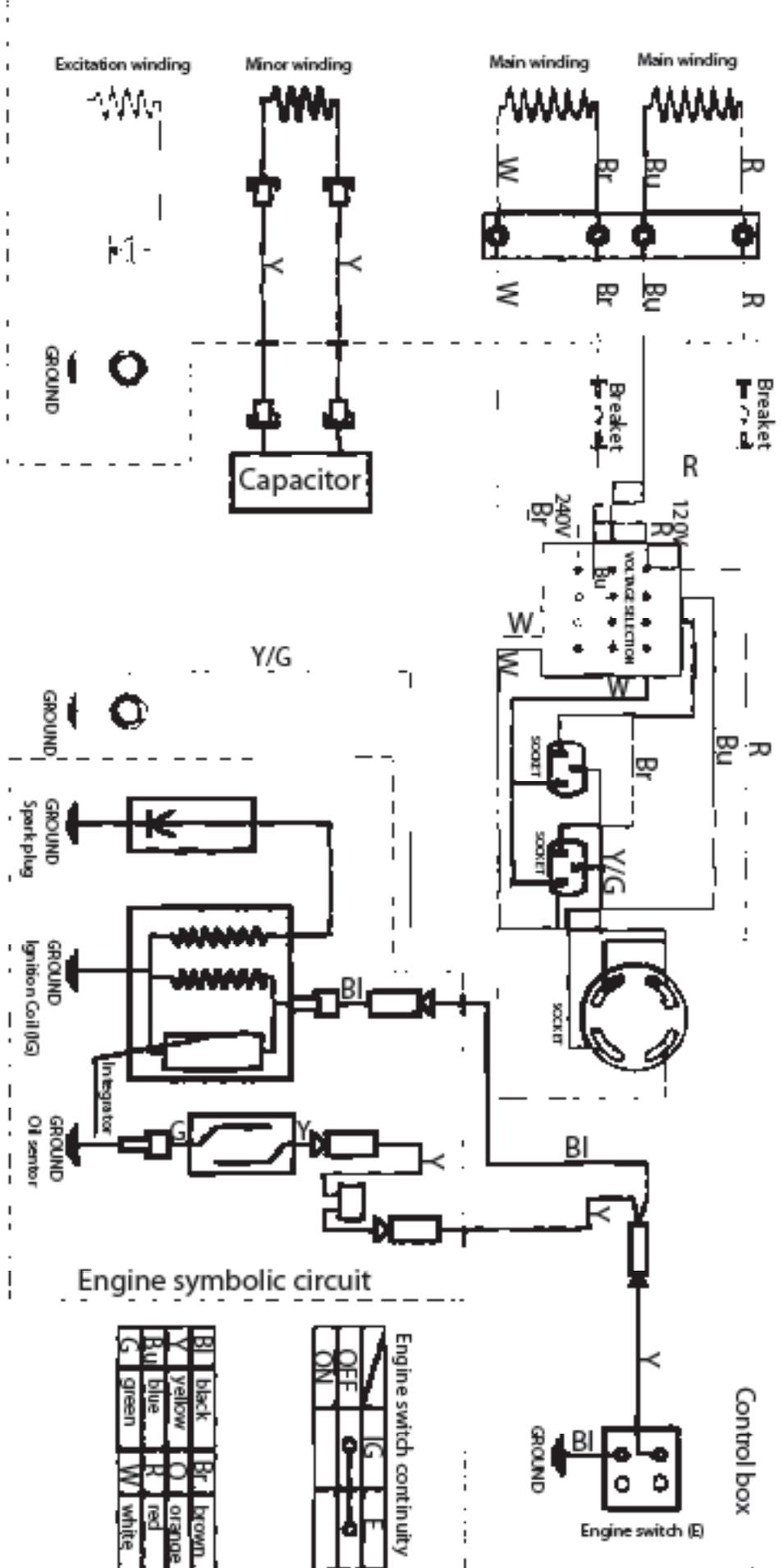
1. Circuit breaker is turned to "OFF" Position	Turn circuit breaker to "ON" position
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Technical Data

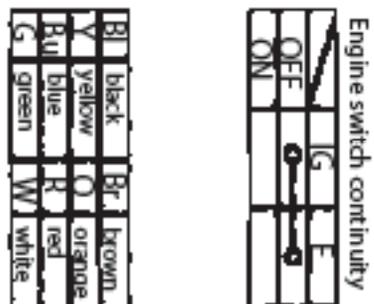
Item \ Type	3500W
Voltage	120/240
Rated Amperage (Amps)	25/12.5
Rated Output (Watts)	3000
Max Output (Watts)	3500
Rated Frequency (HZ)	60
Power Factor	1.0
Engine Model	168F-2
Bore X Stroke (mm)	66 x 54mm
Compression ratio	8.5:1
Starting system	Recoil
Ignition system	T.C.I
Autonomy (h) Tank capacity (L/ gal)	8h/15L (8h/3.96gal.)
Oil Capacity (L /Qt)	0.6L (.634Qt)
Engine Type	OHV25 Deg. Tilt single cylinder, forced air cooling, 4 stroke
N.W/G.W (kg/lbs.)	47kg/49kg (104lbs./108lbs.)
Package Dimensions (mm/inches)	615 x 455 x 505mm (24.21 x 17.91 x 19.88 inches)
Standard Features	Brushless generator, engine oil warning system

CIRCUIT DRAWING

Generator symbolic circuit



Engine symbolic circuit



Homelite®

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