



DO THE JOB RIGHT.

Item #30579

PORTABLE GENERATORS

INSTRUCTIONS FOR #30117 & #30118



30118



30117

EASTWOOD GAS POWERED GENERATORS are specifically designed to deliver reliable power while delivering maximum efficiency and ease of use. The included space-saving folding handle and wheels provide handling convenience and a heavy-duty commercial engine allows for a trouble-free, long life. **EASTWOOD GAS POWERED GENERATORS** are CARB/EPA certified so they are 50-state compliant and are very fuel efficient for longer run times. The electric generator on the **EASTWOOD GAS POWERED GENERATORS** use only pure copper-wound heads to provide a very reliable generator that will run at full load for extended periods of time without overheating.



SPECIFICATIONS

Model		#30118	#30117
Generator	Type	Single-Phase With Brush	Single-Phase With Brush
	Voltage Regulator Type	AVR	AVR
	Frequency (Hz)	60	60
	Rated AC Voltage (V)	120V/240V	120V
	Running AC Output (Watts)	7200	2800
	Peak AC Output (Watts)	7500	3000
Engine	Type	4-Stroke, OHV, Air-Cooled	4-Stroke, OHV, Air-Cooled
	Displacement (cc)	420	208
	Compression Ratio	8:0:1	8.5:1
	Max. Output (HP/RPM)	15/3600	7/3600
	Fuel	Unleaded Gasoline	Unleaded Gasoline
	Fuel Tank Capacity (Gallon/Liters)	6.6/25	4/15
	Continuous Operating (Hours per Tank)	9	11
	Oil Capacity (quarts/liters)	1.16/1.1	0.63/0.6
	Operating Noise Level (7m)dB(A)	73	68
Electric Start	Battery Requirement (not included)	12 Volt, 18 AH (Interstate DCM0018 or equivalent)	N/A
	Fuse Requirement (included)	5 Amp Automotive Blade Type	N/A
Includes	(1) Generator (1) Wheels and Attaching Hardware (1) Rear Legs (1) Handle Lock Knob (1) Oil (1) Spark Plug Socket (1) Battery Tray and Hardware (1) 12 Volt, 5 amp Blade Fuse (1) Ignition Keys	(1) Generator (1) Wheels and Attaching Hardware (1) Rear Legs (1) Handle Lock Knob (1) Oil (1) Spark Plug Socket Hardware (1) 12 Volt, 5 amp Blade Fuse (1) Ignition Keys	

SAFETY INFORMATION



READ AND UNDERSTAND INSTRUCTIONS COMPLETELY!

Thoroughly read and understand this instruction manual before using. Save manual for future reference.



CARBON MONOXIDE POISONING HAZARD!

This generator burns gasoline which produces dangerous levels of Carbon Monoxide gas. Carbon Monoxide is a colorless, odorless gas which can quickly cause dizziness, unconsciousness and death.

- Using a generator indoors **WILL KILL YOU IN MINUTES**. Exhaust contains carbon monoxide, a poisonous gas you cannot see or smell.
- **NEVER** use in the home, or in partly enclosed areas such as garages. **ONLY** use outdoors and far from open windows, doors, vents and in an area that will not accumulate deadly exhaust gas.
- Always disconnect the spark plug wire and place the wire where it cannot contact the spark plug to prevent accidental starting when setting up, transporting, adjusting or making repairs to the generator.



DANGER



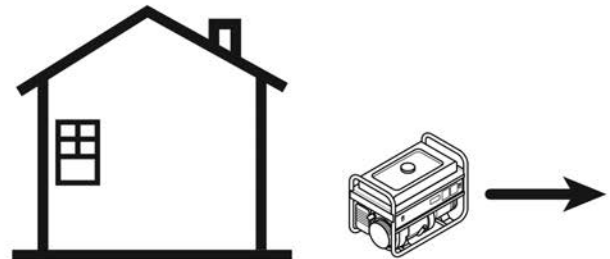
Using a Generator Indoors CAN KILL YOU IN MINUTES!

Generator exhaust contains carbon monoxide.

This is a poison you cannot see or smell.



NEVER use inside a home or garage, **EVEN IF** doors and windows are open.



Only use **OUTSIDE** and far away from windows, doors, and vents.



FIRE AND EXPLOSION HAZARD!

This generator runs on gasoline which emits highly explosive vapors. The generation of electricity and electrical connections can produce sparks.

- Never store generator with fuel in tank where gasoline vapors might reach an open flame, spark or pilot light (as on a furnace, water heater or clothes dryer). FIRE or EXPLOSION may result.
- Be sure all fuel connections are leak free and fuel cap is kept tightly closed
- Before refueling, turn generator OFF and allow to cool several minutes before removing fuel cap.
- If fuel is spilled in vicinity of generator, remove all traces before starting.
- Fill Tank to Proper Level, Do Not Overfill. Vibration and expansion can cause leakage.
- Operate Generator on level surfaces only.
- Do Not Smoke in vicinity of generator or gasoline container.



ELECTRIC SHOCK HAZARD!

- Keep Generator Dry.
- **Do Not** place generator in a wet area, on wet grass or near standing water.
- **Do Not** stand on wet grass, or near standing water when operating Generator.
- **Do Not** expose Generator to rain or allow to become wet. If emergency operation during storm conditions becomes necessary, the use of well secured, **open sided**, minimum 8' high, canopy-like structure is acceptable. **Do Not** remain under canopy with generator running. Be sure hands are dry before touching generator, cords or connected appliances.
- If using Generator for emergency backup power, the Generator **MUST BE** isolated from electrical utility power grid. Failure to do so could cause electrocution of utility workers or neighbors. Consult a licensed electrician to install specialized switching equipment when connecting to house wiring.
- Plug appliances directly into Generator outlet panel or use a heavy-duty, "W-A" or "W" outdoor-rated extension cord rated to accept the total load (in watts or amps) equal to or exceeding the total of all power demands of appliances in use. All cords must have ground connections.
- When using Generator, allow engine to reach operating temperature and output to stabilize before connecting to a load.
- Keep all appliances OFF before connecting to Generator then turn them ON with Generator running.
- Before performing any maintenance on the generator, disconnect its battery cables to prevent accidental start up. Disconnect the cable from the battery terminal indicated by a NEGATIVE, NEG or (-) first. Reconnect that cable last.
- The National Electric Code requires the frame and external electrically conductive parts of the generator be properly connected to an approved earth ground. Local electrical codes may also require proper grounding of the generator. Consult with a local electrician for grounding requirements in the area.
- **Do Not** use worn, bare, frayed or otherwise damaged electrical cord sets with generator.



BURN HAZARD!

- **Do Not** touch muffler, exhaust components or adjacent areas.
- **Do Not** touch cylinder head or adjacent areas.
- Maintain at least 4 feet of open area around generator for proper cooling.
- Keep at least 6 feet from any combustible materials, shrubs, wooden structures, vinyl siding, furniture etc.
- Keep children and pets away from the operating Generator.

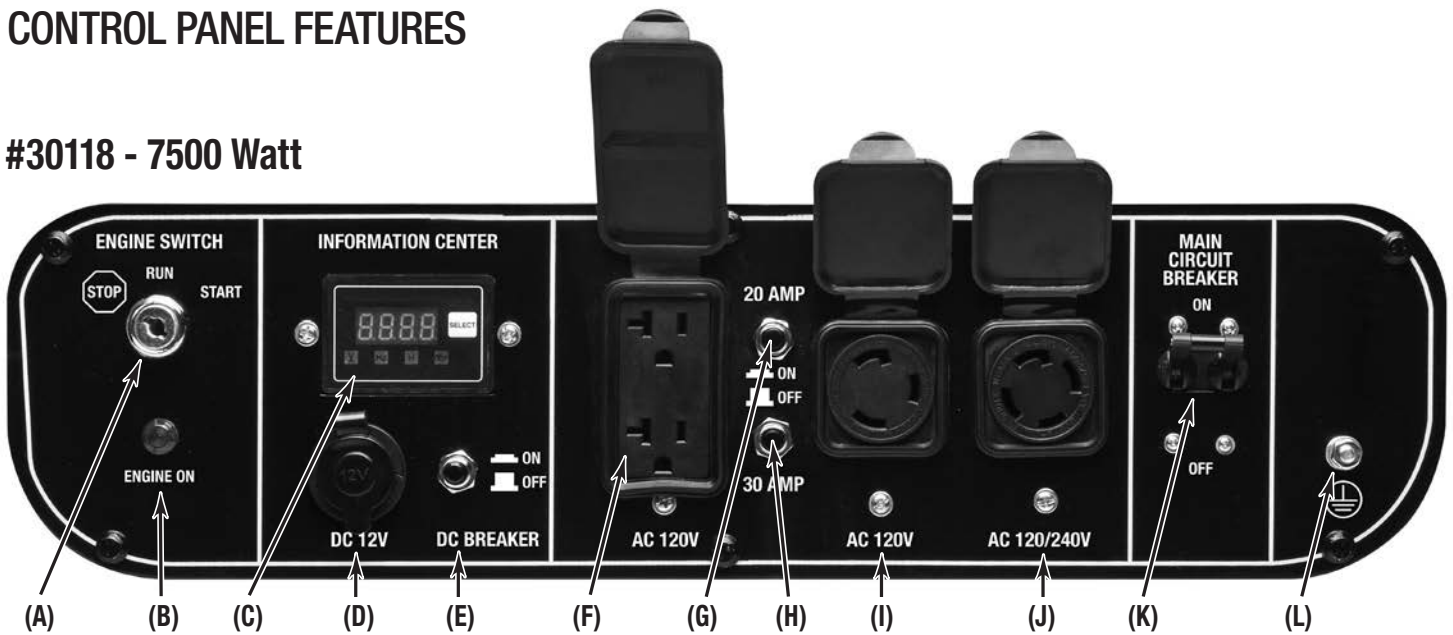


CAUTION!

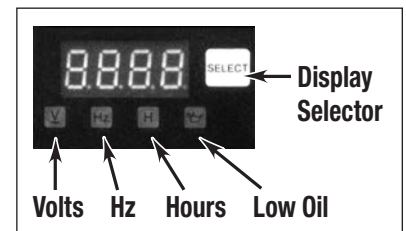
- Operate Generator on a secure, stable and dry surface. Dry, level concrete is preferred.
- Do Not place on a table, platform or on any potentially unstable surface.
- Never leave the Generator unattended while running.
- The RPM level and phasing is set at the factory to produce 60 Hz. Never tamper with the governor or throttle assembly or damage to electronic devices may occur.

CONTROL PANEL FEATURES

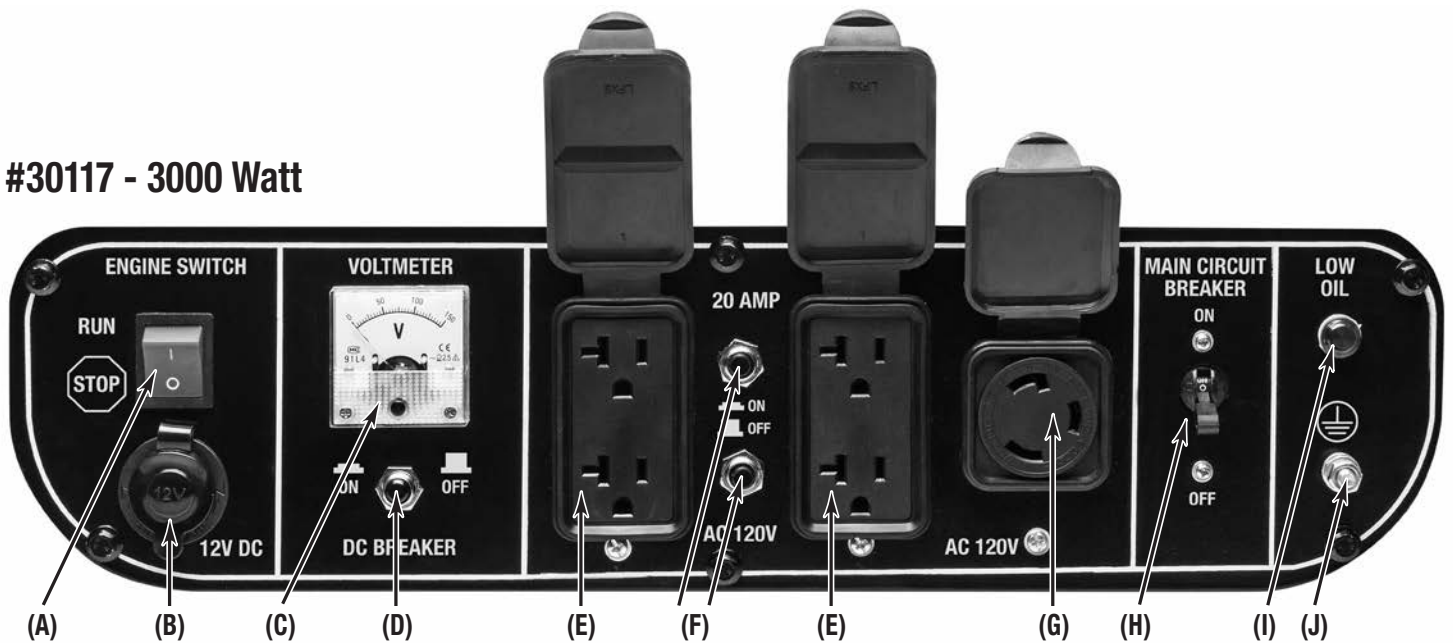
#30118 - 7500 Watt



- (A) Engine Ignition/Run Switch
- (B) Engine On Light
- (C) Information Center
- (D) 12V DC Power Outlet
- (E) 12V DC Circuit Breaker
- (F) 5-20R 120V Receptacle
- (G) 20A Circuit Breaker
- (H) L5-30R 120V Circuit Breaker
- (I) L5-30R 120V Twist Lock Receptacle
- (J) L14-30R 120/240 V Twist Lock Receptacle
- (K) Main Circuit Breaker
- (L) Ground Post



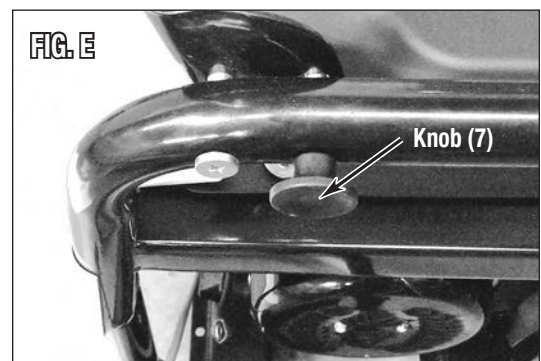
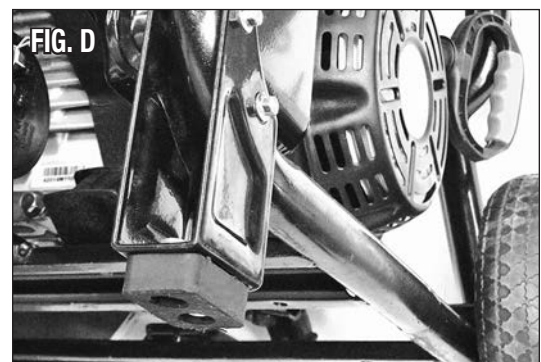
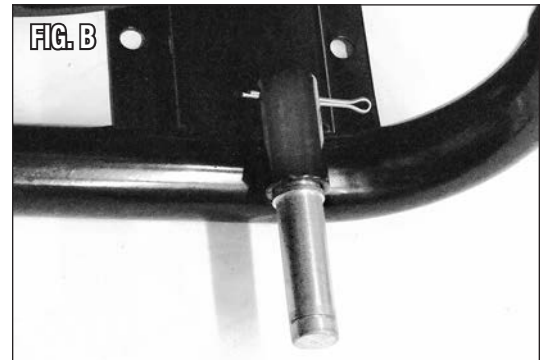
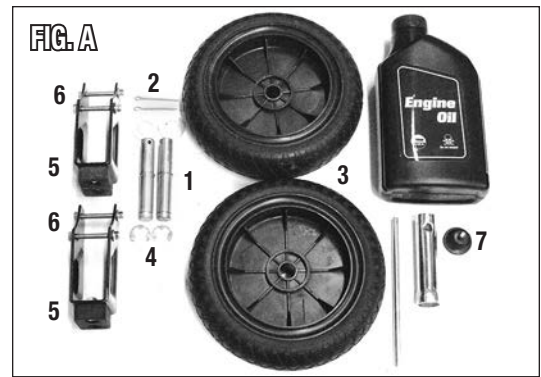
#30117 - 3000 Watt



- (A) Engine Ignition/Run Switch
- (B) 12V DC Outlet
- (C) Voltage Meter
- (D) 12V DC Circuit Breaker
- (E) 5-20R 120V Receptacle
- (F) 20A Circuit Breakers
- (G) L5-30R 120V AC Twist Lock Receptacle
- (H) Main Circuit Breaker
- (I) Low Oil Warning Lamp
- (J) Ground Post

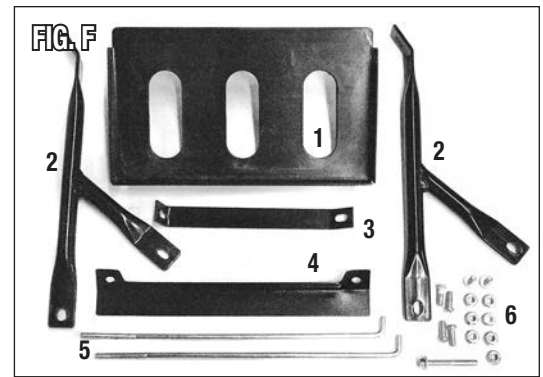
GENERATOR ASSEMBLY & SET-UP

1. Set the Generator on a clean, level & dry floor surface and remove the entire carton and all packaging materials.
2. Check for any external damage and/or missing parts.
3. Install Wheels (**Fig A**).
 - Raise the Front of the Generator Frame approx. 4" and support it securely.
 - Insert a Stub Axle (**Item 1**) through an Axle Tube with the end containing the drilled hole inward (**Fig B**).
 - Align the horizontal hole in the Axle Tube with the hole in the Stub Axle and slide a Cotter Pin (**Item 2**) through.
 - Bend the legs of the Cotter Pin apart to retain it in place.
 - Place a Wheel (**Item 3**) on the exposed end of the Stub Axle with the offset protrusion facing inward.
 - Slide a Washer, followed by a Snap Ring (**Item 4**) over the groove near the end of the Stub Axle (**Fig C**).
 - NOTE:** Pliers may be helpful in seating the Snap Ring.
 - Repeat above procedure for opposite side.
4. Attach Front Legs (**Fig A**).
 - Raise the Rear of the Generator Frame approx. 4" and support it securely.
 - Place a Front Leg (**Item 5**) with curved edge inward and rubber foot downward over bend in lower Generator Frame (**Fig D**).
 - Insert two 6mm x 1.75" long screws (**Item 6**) through the holes in the Leg and Generator Frame. Tighten with a 10mm wrench on nut and 8mm wrench on screw head.
 - Repeat above procedure for opposite side.
5. Handle
 - Rotate handle to the up position then place the 4mm threaded portion of the Handle Retaining Knob (**Item 7**) into hole on right upper side of Generator Frame at Handle base (**Fig E**). Thread into the spring-loaded, retractable button and tighten Knob securely.



6. Battery Tray assembly (#30118 ONLY) (Fig F)

- Attach Angle Bracket (3) to weld-nut on underside of Battery Tray (1) with a 4mm screw (**Fig G**) **NOTE:** Orient angle toward flanged side of Battery Tray.
- Attach inverted “Y” Bracket (2) to the Battery tray (two tabs on “Y” must be placed on outside of Battery Tray side flanges) with 4mm screws and nuts with the short leg of the “Y” toward the flanged edge of the tray (**Fig G**). **NOTE:** Place screw heads inward to avoid possible battery case contact.
- Attach opposite side “Y” bracket.



7. Battery Tray attachment to Frame (#30118 ONLY)

- Attach tabs of “Y” Brackets (2) to threaded holes in upper rail of Generator Frame with two 4mm screws (**Fig H**).
- Attach tab of Angle Bracket to through hole in lower rail of Generator Frame with two 4mm x 1.75” long screws and nuts (**Fig G**).



8. Add Battery (#30118 ONLY)

- Place Battery (Interstate # DCM0018 or equivalent, not included) in Battery Tray with Positive Terminal to the left.
- Place the Battery Hold-down Bracket over the upper front edge of the Battery case. **NOTE:** The angled flats of the Hold-down with holes must be angled toward the outer edge of the Battery Tray.
- Place a “J” Bolt hook into hole of Battery Tray and the upper threaded end through the corresponding hole in the angled flat of the Battery Hold-down Bracket and secure with a 4mm nut (**Fig I**).
- Repeat “J” Bolt assembly for opposite side.

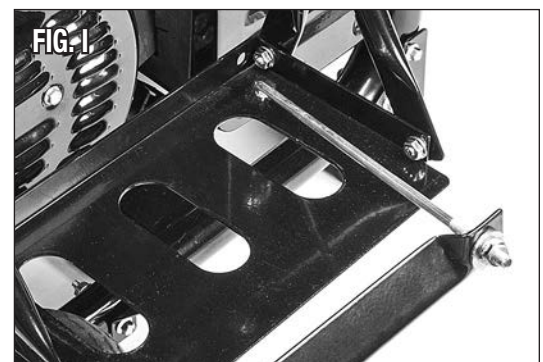


9. Attach Battery Cables (#30118 ONLY)

- Attach Positive Battery Cable (Red +) first then attach Negative Cable (Black -) and secure to battery terminals.

10. Install Fuse (#30118 ONLY)

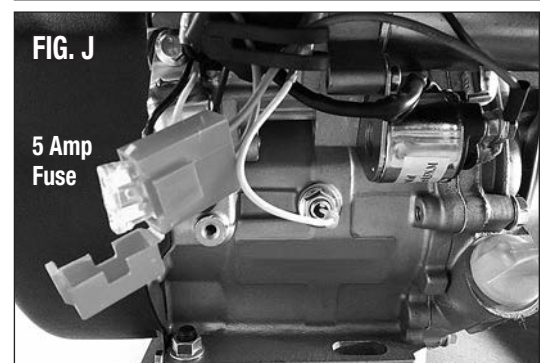
- Place 5-Amp Blade Fuse (Included) into Fuse Holder and close tightly (**Fig J**). **NOTE:** If you are not using the Electric Starter feature and are not installing the Battery, **Do Not** install the Fuse.



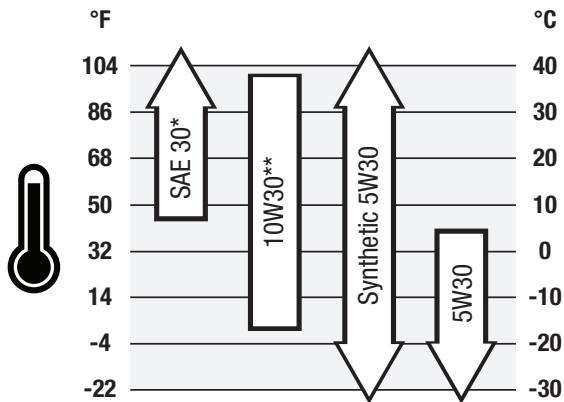
11. Move generator to a dry, level, firm, OUTDOOR ONLY area away from any doors, windows or building ventilation.

12. Ground Cable (Required by many local electrical codes, check for your specific area)

- Connect a 6 Ga. copper ground wire (not included) to the Ground Terminal lug located on the lower right of the Control Panel (“M” on # 30118 Panel, “J” on #30117 Panel).
- Attach the opposite end of the ground wire to a copper or brass grounding rod (not included) driven at least 24” into the earth.



- 13 Add 10W30 Oil (included) - Remove the Yellow Oil Fill Plug/Dipstick from the lower front of the engine (under Control Panel) (**Fig K**) and fill oil to the full level marking on the oil dipstick. When adding oil or when changing oil in the generator, always use a good quality automotive grade motor oil meeting and labeled with SG, SF/CC. CD requirements. See chart below for alternate viscosities while operating in lower or higher temperatures. Refer to specific generator model specifications for engine oil capacities. **DO NOT OVERFILL.**

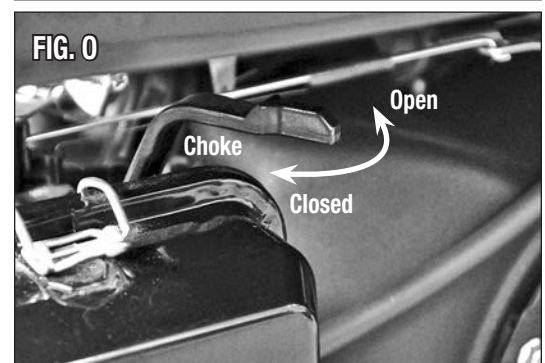
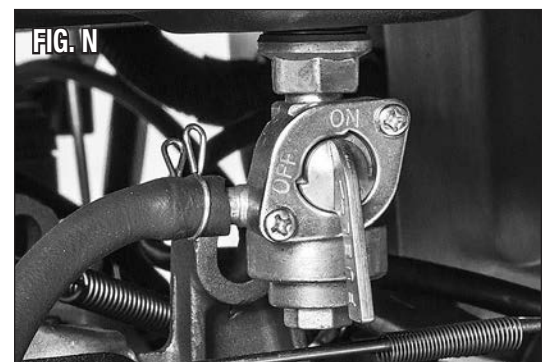
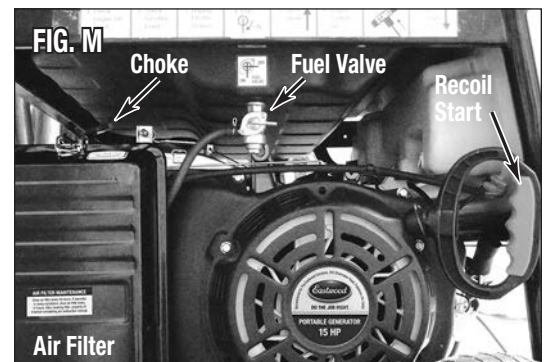


* Below 40°F (4°C) the use of SAE 30 will result in hard starting.
 ** Above 80°F (27°C) the use of 10W30 may cause increased oil consumption. Check oil level more frequently.

14. Check oil level by first wiping the dipstick free of oil, inserting it fully into oil then pulling it out and reading the oil level on it. It should be equal to the upper cross-hatching mark of the dipstick (**Fig L**).
15. Add Gasoline - Remove Fuel Cap located on top of Generator unit and fill tank with fresh, good quality 87 octane gasoline or until Fuel Gauge reads FULL. **DO NOT OVERFILL.**
NOTE: Always use fresh fuel. Never use fuel that is stale or of unknown age as it may cause poor running or prevent starting of engine. Avoid getting rain or moisture in fuel tank as it may cause poor running or prevent starting of engine. Do not use fuel with greater than 10% ethanol or reduced engine performance and damage can occur.
DANGER! EXPLOSION AND FIRE HAZARD!
 This generator runs on gasoline which emits highly explosive vapors. The generation of electricity and electrical connections can produce sparks.
- Be sure all fuel connections are leak free and fuel cap is kept tightly closed.
 - Before refueling, turn generator **OFF** and allow cooling several minutes before removing fuel cap.
 - If fuel is spilled in vicinity of generator, remove all traces before starting.
 - **FILL TANK TO PROPER LEVEL, DO NOT OVERFILL.** Vibration and expansion can cause leakage.
 - Operate Generator on level surfaces only.
 - **Do Not Smoke** in vicinity of generator or **gasoline container.**
16. Replace Fuel Cap and tighten firmly by hand.

STARTING THE GENERATOR

1. Move generator to a dry, level, firm, **OUTDOOR ONLY** area away from any doors, windows or building ventilation. Make sure there is at least 4' of clear space around the generator for proper cooling.
2. Do not connect any cords or electrical loads until after engine is running for several minutes and is stabilized. **Never** attempt to start and engine with appliances plugged in and switched on!
3. Fuel Valve (**Fig M**) - Turn the Fuel Valve lever located to the rear of the generator between the Fuel Tank and Carburetor to the "ON" position (**Fig N**). Be sure to always turn this valve to the "OFF" position after shutting off engine.
4. Choke - Move the Choke lever located to the rear of the generator on the Carburetor to the "CLOSED" position (**Fig O**). **NOTE:** With a warm engine being restarted after refueling, it may not necessary to close the Choke before starting.



5. Recoil Start

#30117 ONLY

- Engine Switch - Turn the Engine Switch located on the left side of the Control Panel to the “RUN” position (**Fig P**).

#30118 ONLY

- Remove 5 Amp Fuse (if previously installed) (**Fig Q**) if no battery is connected to Generator.
- Key Start Switch - Turn the Ignition Key Switch located on the left side of the Control Panel to the “RUN” position (**Fig R**).
- Pull the Starter Handgrip located on the left side of the generator (**Fig S**) lightly until some resistance is felt then let it gently return to the seated position. Grip securely and pull firmly in one smooth, rapid motion. **NOTE:** On a cold engine, several pull cycles may be required for starting.

6. Electric Start #30118 ONLY

Turn the Ignition Key to the “START” position to engage electric starter and release to “RUN” when engine starts. **NOTE:** Do not operate electric starter for periods longer than 5 seconds at a time or starter motor overheating could occur.

7. Choke Opening – Allow the engine to reach operating temperature and during the 1st minute or so of running, gradually open the Choke to the full open position (**Fig T**).

NOTE: If the engine falters or runs rough, the choke is being opened too quickly. Partially close until the engine running smooths out.

DANGER! CARBON MONOXIDE POISONING HAZARD!

As the engine runs, it produces dangerous levels of Carbon Monoxide gas. Carbon Monoxide is a colorless, odorless gas which can quickly cause dizziness, unconsciousness and death.

- Never run the generator in an enclosed or partially enclosed area! This includes all garages, porches, patios, sheds, basements, vehicles, trailers, tents etc. even with all doors and windows open!
- Only run outdoors and keep away from open windows, doors, ventilation openings or anywhere that exhaust can migrate indoors.

8. Stop Engine –

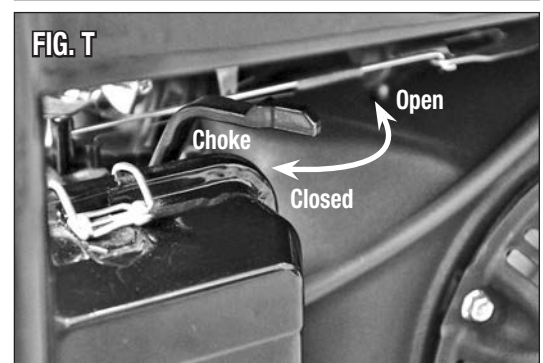
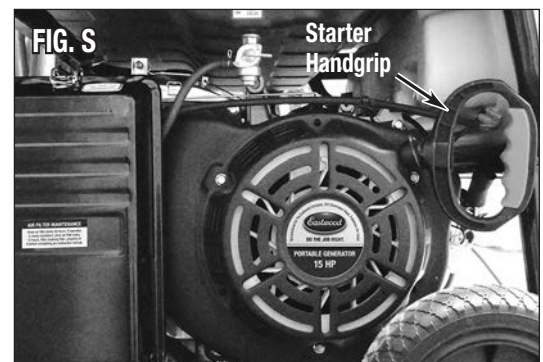
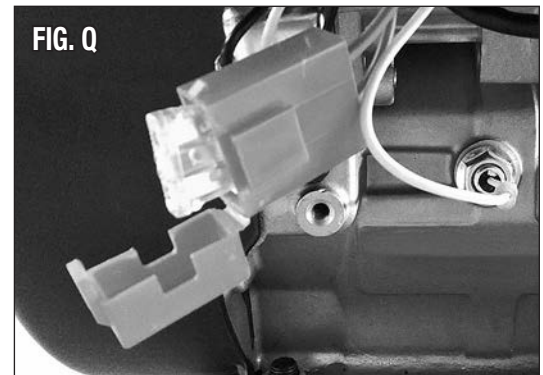
#30117 ONLY

- Engine Switch - Turn the Engine Switch located on the left side of the Control Panel to the “STOP” position (**Fig P**).

#30118 ONLY

- Key Start Switch - Turn the Ignition Key Switch located on the left side of the Control Panel to the “STOP” position (**Fig R**).

DO NOT close choke to shut off engine.



CONNECTING TO ELECTRICAL LOAD

1. With engine at operating temperature and at a stabilized speed, add the electrical load by plugging into the appropriate 120Volt AC or 220Volt AC generator outlets located on the Front Panel.
2. Keep all appliances turned OFF before connecting to Generator then turn them ON with Generator running.
3. Be sure the Circuit Breaker is in the "ON" position.
NOTE: The engine will speed up and become louder as an electrical load is applied. This is normal and the internal voltage regulator and governor are functioning as intended.

DANGER! ELECTRICAL HAZARD! SHOCK HAZARD!

- **Keep Generator Dry.**
- **Do Not** place generator in a wet area, on wet grass or near standing water.
- **Do Not** stand on wet grass, or near standing water when operating Generator.
- **Do Not** expose Generator to rain or allow to become wet. If emergency operation during storm conditions becomes necessary, the use of well secured, open sided, minimum 8' high, canopy-like structure is acceptable. **Do Not** remain under canopy with generator running. Be sure hands are dry before touching generator, cords or connected appliances.
- If using Generator for emergency backup power, the Generator **MUST BE** isolated from electrical utility power grid. Failure to do so could cause electrocution of utility workers or neighbors. Consult a licensed electrician to install specialized switching equipment when connecting to house wiring.
- Plug appliances directly into Generator outlet panel or use a heavy-duty, "W-A" or "W" outdoor-rated extension cord rated to accept the total load (in watts or amps) equal to or exceeding the total of all power demands of appliances in use. All cords must have ground connections.

ELECTRICAL LOADING

The following chart is provided as a guide to average power requirements in Watts for some of the most common electrical demand items that may be used when operating your Eastwood gasoline powered generator.

Select the items to be powered, add the column "Surge Watts" and make sure the total DOES NOT exceed the capacity of the generator.

For absolute certainty, check the label on your individual appliances for actual power requirements.

Appliance/Tool	Running Watts	Surge Watts (Starting)
100 Watt Light Bulb	100	100
1/3 HP Sump Pump	800	1200
18 cu. ft. Refrigerator/Freezer	800	1600
1/3 HP Well Water Pump	1000	2000
Fluorescent Lamp, 40 Watt	40	40
Space Heater	1500	1500
1/2 HP Garage Door Opener	480	520
40 Gallon Hot Water Heater	4000	4000
Microwave Oven, 1000 Watt	1000	1000
Electric Range (each burner)	1500	1500
Coffee Maker	1500	1500
Window Air Conditioner, 10,000 BTU	1200	1800
Home Furnace & Blower	800	1300
Personal Computer	800	800
46" TV, LED	500	500
1/2 HP Drill	1000	1000
7-1/4" Circular Saw	1500	1500
10" Table Saw	2000	2000

EXTENSION CORDS

Use only "W-A" or "W" designated outdoor-rated extension cords of maximum length & wire gauge requirements to meet load demands. Refer to chart at right.

NOTE: Using undersized wire gauge and/or excessive cord lengths will cause poor appliance performance or possible damage and may trip generator breaker. Add and calculate total amperage requirements needed for appliances to be used. Do Not exceed total allowable amperage for generator and extension cords.

Cord Lengths / Required Wire Gauge				
Total Amp Demand	0' to 50'	50' to 100'	100' to 150'	150' to 200'
0 – 5	16 ga.	16 ga.	12 ga.	12 ga.
5.1 – 8	16 ga.	14 ga.	10 ga.	N/A
8.1 – 12	14 ga.	12 ga.	N/A	N/A
12.1 – 15	12 ga.	10 ga.	N/A	N/A
15 – 20	10 ga.	10 ga.	N/A	N/A

REFUELING THE GENERATOR

CAUTION: Before refueling, turn generator **OFF** and allow several minutes cooling before removing fuel cap. **NEVER** attempt to refuel a running engine!

- Turn off all connected appliances.
- Switch Main Breaker to the “OFF” Position.
- Turn Engine Switch to the “OFF” Position. **NOTE: Never shut down engine by closing choke.**
- Remove Fuel Cap located on top of Generator unit and fill tank with fresh, good quality 87 octane gasoline or until Fuel Gauge reads FULL.

DO NOT OVERFILL.

NOTE: Always use fresh fuel. Never use fuel that is stale or of unknown age as it may cause poor running or prevent starting of engine. Avoid getting rain or moisture in fuel tank as it may cause poor running or prevent starting of engine. If fuel is spilled in vicinity of generator, remove all traces before starting.

- Replace Fuel Cap and tighten firmly by hand.

SHUTTING DOWN THE GENERATOR

- Turn off all connected appliances.
- Switch Main Breaker to the “OFF” Position.
- Turn Engine Switch to the “OFF” Position. **NOTE: Never shut down engine by closing choke.**

PREPARING FOR STORAGE AFTER USE

1. Close Fuel Valve and start the Generator to clear out any remaining fuel from the carburetor and engine.
2. Drain Gasoline – With the Fuel Valve “Open” (**Fig U**), place a suitable container capable of receiving the amount of gasoline in the tank under the Carburetor then with a 10mm wrench, remove Drain Plug on underside of Carburetor Fuel Bowl (**Fig V**).

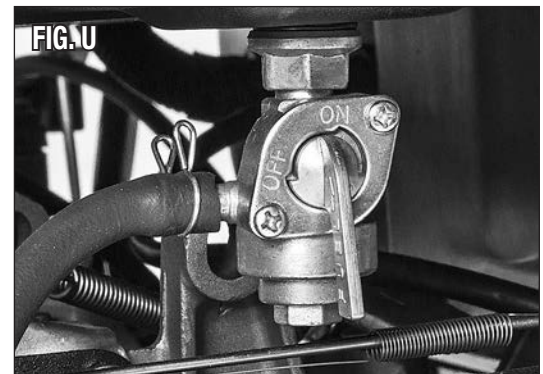
NOTE: Do not lose the sealing washer under Drain Plug head.

- Replace Drain Plug and tighten firmly but not over tight.
- Close Fuel Valve.

NOTE: Fuel removal is very important and any remaining fuel can quickly degrade and absorb atmospheric moisture causing gum and debris to develop in the carburetor, lines and tank which will prevent engine starting at future usage times.

The use of fuel stabilizer products are not recommended for storage periods lasting more than several months as lost volatility of gasoline may affect future Generator starting and performance.

3. If the Generator was used for an extended time or heavily loaded, check the Oil Level and add or change as necessary (refer to “Maintenance” section for procedure).
4. If the Generator was used for an extended time or in a dirty, dusty or wet environment, check the Air Filter and replace if necessary (refer to “Maintenance” section for procedure)
5. Set Choke to the “Closed” position to help prevent atmospheric moisture from entering engine.
6. After Generator is completely cooled, move it to a clean, dry location and cover with a suitable cover. **NOTE:** A small barbecue grill cover will work well.
7. **#30118 Only** – Disconnect Battery Terminals for short-term storage. Remove battery for long-term and storage in sub-freezing temperatures.



MAINTENANCE

CAUTION: ALLOW ENGINE TO COOL BEFORE SERVICING OR SEVERE BURNS COULD OCCUR.

CHECKING ENGINE OIL LEVEL

1. Locate and remove Oil Fill/Dipstick from the lower front of the engine (under Control Panel).
2. Wipe clean and reinstall seating the Dipstick fully. Remove again and read level (**Fig W**). The cross-hatched area should be covered with clean oil. If level is low, add small amounts of good quality, automotive grade motor oil meeting and labeled with SG, SF/CC, CD requirements (see chart on page 8). Check as required until level reads full. DO NOT OVERFILL.

CHANGING ENGINE OIL

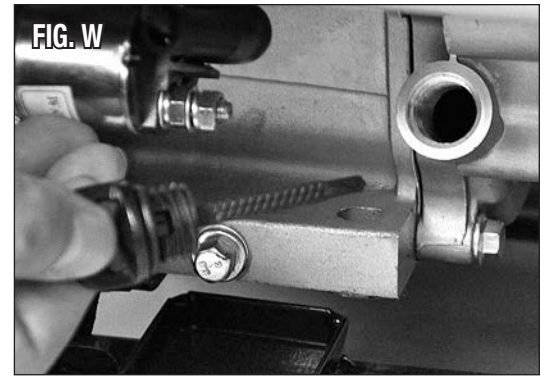
1. Using a suitable container, place it under the Oil Drain Plug from the lower front of the engine (under Control Panel). Remove Drain Plug with a 12mm wrench and allow it to drain fully into the container. **NOTE:** Tilting the Generator forward slightly will help any remaining oil to drain.
2. Replace Drain Plug, tighten firmly but do not overtighten.
3. Fill with a good quality, automotive grade motor oil meeting and labeled with SG, SF/CC, CD requirements (see chart on page 8). Check as required until level reads full. DO NOT OVERFILL.

AIR FILTER

1. Locate the Air Filter on the left side of the Generator (**Fig X**).
2. Unsnap the Cover Clips by lifting and rotating inward. Remove foam air cleaner element.
3. Wash the Element in a solution of household detergent and warm water.
4. Rinse in clean water and allow to DRY THOROUGHLY.
5. Soak the Element in clean engine oil then squeeze to remove excess oil. **NOTE:** Excess oil left in Element will cause engine smoking during start up.
6. Reinstall Element and Cover making sure the Clips are latched securely (**Fig X**).

CARBURETOR FUEL BOWL CLEANING

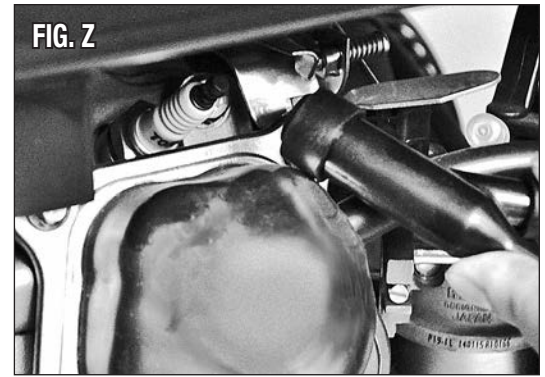
1. Locate and close Fuel Shut Off Valve on rear of the Generator.
2. Locate Carburetor Fuel Bowl on rear of the Generator at the underside of the Carburetor (**Fig Y**). Using a 10mm wrench, remove Drain Plug on underside of Carburetor Fuel Bowl. **NOTE:** Do not lose the sealing washer under Drain Plug head.
3. Remove Fuel Bowl. **NOTE:** Do Not lose or damage the large sealing O-Ring between Fuel Bowl and Carburetor body.
4. Clean any sediment, gum or other deposits from the inside of the Fuel Bowl with a suitable carburetor solvent. DO NOT USE GASOLINE.
5. Carefully reinstall Fuel Bowl and O-Ring using care not to pinch it.
6. Reinstall Drain Plug and tighten firmly but not over tight.
7. Open Fuel Valve. Check for leaks.



SPARK PLUG

CAUTION: ALLOW ENGINE TO COOL BEFORE SERVICING SPARK PLUG OR SEVERE BURNS COULD OCCUR.

1. Locate the Spark Plug Cable and Boot at rear of Generator (**Fig Z**).
2. Grip the Boot firmly (DO NOT PULL ON PLUG WIRE) and with a slight side-to-side twisting motion, pull the Boot directly off the Spark Plug.
3. Remove Spark Plug with (included) spark plug socket.
4. Inspect Spark Plug for visible breakage or burnt electrodes and replace if necessary with: **NGK #BPR6ES** or **Nippondenso #W20EPR-U**.
5. If in good condition, the Spark Plug electrodes may be cleaned with a fine wire brush or a piece of P400 grit sandpaper folded over. **NOTE:** Blow off any remaining grit or dirt from the Spark Plug before reinstalling. Foreign matter can damage the engine.
6. Measure Spark Plug electrode gap with Spark Plug Gap Gauge before reinstalling. The proper gap is: **0.028 to 0.031 inch (0.70 to 0.80 mm)**.
7. Install Spark Plug by threading in BY HAND to avoid possible cross-threading.
8. Final tightening:
New Plug: 1/2 Turn after Spark Plug seats to fully compress sealing washer.
Used Plug: 1/8 to 1/4 Turn after Spark Plug seats to fully compress sealing washer.
9. Reinstall Spark Plug Boot by pushing onto plug and seating it securely.
NOTE: Failure to fully seat Spark Plug Boot will prevent Plug from sparking.



TROUBLESHOOTING

The following chart is intended to provide solutions to the most frequent problems encountered when operating your Eastwood gasoline powered generator. Other more serious mechanical or electrical malfunctions may be present and can require the attention of a professional small-engine repair facility.

Do not attempt to alter carburetor fuel or throttle settings as your generator has been individually run and tuned at the factory to produce the correct voltage output levels @ 60hz.

Fuel degradation – It has been determined that the majority of no-start or poor running issues result from old gasoline. Today's modern gasoline formulas containing ethanol quickly degrade, absorb moisture and can partially gel when left in storage. Often, this can occur within months. While the use of fuel stabilizer is extremely helpful, fuel degradation still occurs. It is extremely important to drain all unused fuel from the tank and carburetor following generator use. The procedure for doing so is found in the "Prepare for Storage After Use" section of this manual.

Overloading – The second most frequently encountered cause of generator problems is electrical overloading. Overloading can cause poor running, excessive fuel consumption and engine overheating resulting in permanent damage. Always calculate your total electrical load in Watts or AMPS and make sure it does not exceed the constant generator output.

Problem	Probable Cause	Solution
Engine stops while running and will not restart	Out of fuel	Check fuel gauge and add gasoline
	Dirt or water in fuel	Drain and replace fuel
	Low oil level	Check oil level
	Choke closed	Open choke
	Engine switched to OFF position	Switch to ON position
	Spark plug wire disconnected	Reattach plug wire
Engine will not start after storage.	Out of Fuel	Check fuel gauge and add gasoline
	Dirt or water in fuel	Drain and replace fuel
	Stale or expired fuel	Drain and replace fuel. Clean carburetor bowl
	Low oil level	Check Oil Level
	Engine switched to OFF position	Switch to ON position
	Air filter clogged	Clean/replace air filter
	Spark plug dirty	Clean/replace spark plug
Circuit Breaker Tripped	Overload or short circuit condition	Eliminate overload or short circuit condition & reset breaker
No power at outlets	Circuit breaker tripped.	Eliminate overload or short circuit condition & reset breaker
Labored engine/ dimmed lights/ under performing appliances	Electrical overload Condition.	Reduce electrical load.

REPLACEMENT ITEMS

FOR #30117, 3000-WATT GENERATOR

- #30723 Complete Carb Kit
- #30725 Air Filter
- #30727 Oil Cap
- #30729 Gas Cap
- #30740 Carb-To-Engine Gasket
- #30745 Fuel Filter & Petcock Gasket

FOR #30118, 7500-WATT GENERATOR

- #30724 Complete Carb Kit
- #30726 Air Filter
- #30728 Oil Cap
- #30729 Gas Cap
- #30741 Carb-To-Engine Gasket
- #30745 Fuel Filter & Petcock Gasket

ADDITIONAL ITEMS

- #30497 6 Circuit Transfer Switch
- #30498 10 Circuit Transfer Switch
- #12736Z Eastwood Fuel Stabilizer
- #70468 30 LED Retractable Worklight
- #70248 Rechargeable LED Worklight
- #30189 6 LED Penlight

WARRANTY

STATEMENT OF LIMITED WARRANTY

The Eastwood Company (hereinafter "Eastwood") warrants to the end user (purchaser) of all new gasoline powered generating equipment (collectively called the "products") that it will be free of defects in workmanship and material. This warranty is void if the equipment has been subjected to improper installation, improper care or abnormal operation. This warranty is non-transferrable and is only valid to the initial purchaser of the product.

WARRANTY PERIOD:

All warranty periods begin on the date of purchase from Eastwood. Warranty Periods are listed below, along with the products covered during those warranty periods:

2 Year Warranty on Material, Workmanship, and Defects:

- 30117 - Eastwood 3000 Watt Portable Generator and 30118 - Eastwood 7500 Watt Portable Generator

CONDITIONS OF WARRANTY TO OBTAIN WARRANTY COVERAGE:

Purchaser must first contact Eastwood at 1-800-345-1178 for an authorization number before Eastwood will accept any Generator repair claim. Final determination of warranty on generating equipment will be made by Eastwood. At no time will Eastwood accept a return on a generator. All Sales are Final.

WARRANTY REPAIR:

If Eastwood confirms the existence of a defect covered under this warranty plan, Eastwood will determine whether repair or replacement is the most suitable option to rectify the defect. At Eastwood's request, the purchaser must take the faulty product to an Eastwood approved repair facility for a complete diagnostic inspection to determine the cause of the failure. The cost of the diagnostic inspection will not be covered by Eastwood unless there is a determination that there is a coverable repair. Once the repair facility has determined the cause of the failure, the repair facility will call 1-800-345-1178 with the authorization number to report their findings. If there is a coverable repair, Eastwood will cover all repair costs including diagnosis and parts. Eastwood holds the right to send original equipment replacement parts to the repair facility to be used in the warranty repair of a faulty product. Service repair facility replacement parts will only be used if approved by Eastwood.

FREIGHT COSTS:

If the product is authorized to be taken to a local repair facility for inspection/repair, the purchaser is responsible for the transfer of the generator to and from the repair facility.

WARRANTY LIMITATIONS:

EASTWOOD WILL NOT ACCEPT RESPONSIBILITY OR LIABILITY FOR REPAIRS UNLESS MADE BY OR AUTHORIZED BY EASTWOOD. EASTWOOD'S LIABILITY UNDER THIS WARRANTY SHALL NOT EXCEED THE COST OF CORRECTING THE DEFECT OF THE EASTWOOD PRODUCT. EASTWOOD WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES (SUCH AS LOSS OF BUSINESS, DAMAGE TO PERSONAL PROPERTY, ETC.) CAUSED BY THE DEFECT OR THE TIME INVOLVED TO CORRECT THE DEFECT. THIS WRITTEN WARRANTY IS THE ONLY EXPRESS WARRANTY PROVIDED BY EASTWOOD WITH RESPECT TO ITS PRODUCTS. WARRANTIES IMPLIED BY LAW SUCH AS THE WARRANTY OF MERCHANTABILITY ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY FOR THE EQUIPMENT INVOLVED. THIS WARRANTY GIVES THE PURCHASER SPECIFIC LEGAL RIGHTS. THE PURCHASER MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

ITEMS NOT COVERED UNDER THIS WARRANTY:

- Maintainable parts and accessories such as spark plugs, air filters, fuel filters, gas caps, oil fill caps, recoil starter and tires.
 - Products sold as reconditioned are not warrantable
 - Products that have been used as commercial rental equipment are not warrantable.
- Any costs associated with the assembly of the product, required oil or fuel, adjustments or any other installation/start-up costs.
- Products that have become damaged or inoperable due ordinary wear, misuse, rain, freeze damage, use of improper chemicals, negligence, failure to operate in accordance with the instruction manual, improper maintenance or unauthorized repair or alterations.

If you have any questions about the use of this product, please contact

Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techhelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/30579manual

The Eastwood Company 263 Shoemaker Road, Pottstown, PA 19464, USA

US and Canada: 800.345.1178 Outside US: 610.718.8335

Fax: 610.323.6268 eastwood.com