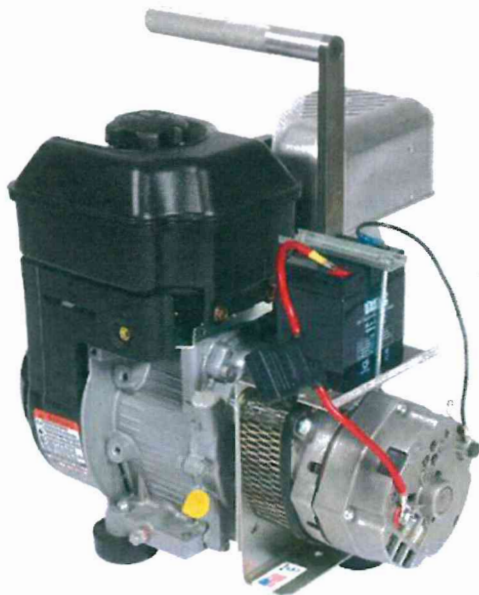


CRUSADER™

GAS POWERED GENERATOR

4.5.2017 #27



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Limited Warranty Information

Products manufactured by Proactive Environmental Products® International LLC are warranted to the original user only to be free of defects in material and workmanship for a period of 180 days from the date of purchase, provided, however, that if a motor module is built into, affixed to, or provided with any covered product, then the warranty period for such motor module shall be limited to Sixty (60) days from the date of purchase. Proactive Environmental Products® International LLC liability under this warranty shall be limited to repairing or replacing at Proactive Environmental Products® International LLC option, without charge, F.O.B. Proactive Environmental Products® International LLC factory or authorized service station, any defective product manufactured by Proactive Environmental Products® International LLC. Proactive Environmental Products® International LLC will not be liable for any costs of removal, installation, shipping, transportation, or any other charges which may arise in connection with a warranty claim. Products which are sold but not manufactured by Proactive Environmental Products® International LLC are subject to the warranty provided by the manufacturer of said products and not by Proactive Environmental Products® International LLC warranty. Proactive Environmental Products® International LLC shall not be liable under this limited warranty or otherwise for wear and tear items or issues (including, but not limited to, seals, bearings, wiring, warping, and bending), damage to products caused by abnormal operating conditions, accident, abuse, negligence, misuse, unauthorized alteration or repair, or if the product was not installed in accordance with Proactive Environmental Products® International LLC printed installation and operating instructions.

Obtaining Service: To obtain service under this warranty, the defective product must be returned to the distributor or dealer from which it was purchased or directly to Proactive Environmental Products® International LLC, subject to an evaluation fee established by Proactive Environmental Products® International LLC for each defective product, with the following information: proof of purchase with product serial numbers printed on invoice, installation date, failure date, and supporting installation data (example: How was it installed...was it installed using a solar system... was it installed using a 12 volt deep cycle marine battery... was it installed using a step-down transformer of some sort?). Unless otherwise provided, the distributor or dealer will contact Proactive Environmental Products® International LLC for instructions. Any defective product to be returned for warranty services shall be delivered freight prepaid to Proactive Environmental Products® International LLC factory or an authorized service station; documentation supporting the warranty claim and/or a Return Material Authorization must be included if so instructed. Proactive Environmental Products® International LLC requires that all customers notify the distributor or dealer or Proactive Environmental Products® International LLC, as applicable, prior to returning a product under the Proactive Environmental Products® International LLC warranty program, and any such product will only be accepted if it has been thoroughly cleaned and decontaminated and is properly packaged. In the event a product is returned to the distributor or dealer from which it was purchased or directly to Proactive Environmental Products® International LLC and the buyer/user does not take return receipt of the product within six (6) months after such return for warranty service because of buyer's/user's failure to communicate, failure to fulfill any warranty obligation, or otherwise, not including such a failure by Proactive Environmental Products® International LLC, then such product shall become the sole and exclusive property of Proactive Environmental Products® International LLC and it may sell, dispose of, or transfer such product at its discretion.

If a product should fail within the warranty specified, please contact your authorized Proactive Environmental Products® International LLC Distributor or call Proactive Environmental Products® International LLC direct at 1.941.322.8504.

Should any failure to conform to this warranty appear within the term of initial sale, the manufacturer shall upon notification thereof and substantiation that the product with replacement parts or accessories has been maintained, correct such defects by suitable repair or replacement at its own expense, purchaser being responsible for shipping and handling charges only. The Proactive Environmental Products® International LLC warranty does not include shipping or an obligation to provide another unit while the original product is being repaired or replaced. The Proactive Environmental Products® International LLC warranty does not apply to any product used as rental equipment or contaminated by materials harmful to such products. The Proactive Environmental Products® International LLC warranty does not apply to parts failure due to neglect in cleaning or unauthorized servicing of the product, nor does it cover failure of a part caused by misuse or inappropriate use of the product.

Legal Disclaimer: Except for its obligation to replace or repair defective products outlined above, Proactive Environmental Products® International LLC shall not be liable to buyer, or to anyone claiming under buyer, for any obligations or liabilities, including, but not limited to, obligations or liabilities arising out of breach of contract or warranty, negligence or other tort or any theory of strict liability, with respect to the products or Proactive Environmental Products® International LLC acts or omissions or otherwise, and buyer shall hold harmless and indemnify Proactive Environmental Products® International LLC for any such claim. The above limited warranty covers only replacement or repair of defective products at Proactive Environmental Products® International LLC factory or authorized service station and does not include the cost of field services (including, but not limited to, travel and living expenses), labor, inspection, removal or installation of new or replacement products, or normal maintenance. To the fullest extent permitted by law, Proactive Environmental Products® International LLC shall not, in any event, be liable for incidental, compensatory, exemplary, punitive, consequential, indirect, special or other damages, including, but not limited to, loss of use, loss of income, loss of profits, loss of time, loss of sales, injury to persons or property, liability buyer incurs with respect to any other person, or any other type or form of consequential damage or economic loss.

Some jurisdictions do not allow for the exclusion or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last. It is the buyer's responsibility to determine if a certain jurisdiction's rules may apply. Therefore, the above limitations or exclusions may not apply to you and it is your responsibility to determine whether the aforementioned limitations to the limited warranty apply and to the extent such limitations may apply in your jurisdiction. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

OPERATING INSTRUCTIONS FOR THE CRUSADER™ GAS POWERED GENERATOR FOR USE WITH ANY PROACTIVE ENVIRONMENTAL PRODUCTS® INTERNATIONAL LLC THAT UTILIZES 12 VOLT DC TECHNOLOGY

Congratulations on purchasing Proactive Environmental Products® International LLC CRUSADER™ Gas Powered Generator (Item # GP-11000)!

PLEASE READ THIS MANUAL BEFORE HOOKING UP THE PUMP OR CONTROLLER!

- **HANDLING WARNING:** Battery terminals are manufactured from lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. PLEASE WEAR GLOVES WHEN HANDLING battery terminals!!
- **Please note:** Never leave the Crusader™ alternator “ON/OFF” switch in the “ON” position without the engine running at less than half throttle. Doing so may damage alternator. This is NOT covered under warranty.
- Contains sealed, non-spillable lead – acid battery. Must be disposed/recycled properly.
- Possible explosion hazard. Contact with battery acid may cause severe burns and blindness. Keep out of reach of children.
- Always use carrying handle when transporting the Crusader®.
- It is always recommended to bring the VOLT METER with you.

HOW TO SETUP THE CRUSADER™:

- Check oil level!! If oil level is good, please proceed. If oil level is low or empty then please read engine manual to determine oil type.
- Pour into gas tank 87 octane or higher grade gasoline (LEAD FREE). DO NOT ADD DIESEL OR OTHER FUEL!!
- When running the CRUSADER on a hard surface place a piece of rubber-backed carpet underneath it to keep it from moving and to maintain slack in the pump/controller cables.

(MANUAL) STARTER (This setup is incorporated into the Crusader™

How to Start the CRUSADER™:

- Turn the fuel shut-off valve one-quarter turn which is the OPEN position.
- Push the choke lever to CHOKE position.
- Move the throttle to FAST. Operate the engine with the throttle in the FAST (rabbit) position
- Grasp rope handle. Pull slowly until resistance is felt, then pull rapidly to start the engine and avoid kickback. **WARNING: Keep hands and arms from becoming entangled in the rope as it is being pulled out or rewinding.**
- Let the engine warm up. Slowly adjust choke toward RUN position. Wait until engine runs smoothly before each choke adjustment.
- **Adjusting the gas throttle** – to lower the RPM simply move the throttle away from the FAST (rabbit) position (toward the tortoise).
- Remove the red alternator power cable from the red storage connector
- Connect the red alternator power cable to the red battery power connector
- Now turn “ON” the alternator switch from the “OFF” position to the “ON” position. This will allow the alternator to start producing dc voltage around 14.5 volts and max amp output will be estimated at 50-55 amps dc.
- Since the Crusader is now running and producing dc voltage please disconnect the red alternator power cable from the red battery power connector and insert it into the red storage connector. Think of it like this.... Once the Crusader is running it doesn't require the small battery any longer. The small battery is to start the Crusader that is all. Make sure the Crusader® alternator is outputting at least 14 volts dc. If so then the Alternator is working properly.
- Please, connect the pump or controller to the alternator terminals located on the CRUSADER™, connecting negative alternator terminal to negative pump or controller alligator clamp and connecting positive alternator terminal to positive pump or controller alligator clamp. Now it is time to Sample like a champ!

NOTE: THE ALTERNATOR DOES NOT CHARGE THE BATTERY.

Never reverse polarity Alternator or battery terminals – doing so may damage the battery and/or alternator

WARNING: UNIT GETS EXTREMELY HOT PAY ATTENTION TO HOT LOCATIONS!!!

REWIND (MANUAL) STARTER How to Stop the CRUSADER Gas Powered Generator:

- CAUTION: Do not stop the engine by moving choke control to CHOKE. Backfire, fire or engine damage could occur.
- Move throttle to SLOW, then to STOP.
- Then close fuel shut-off valve.

STORING and TRANSPORTING the CRUSADER™ Gas Powered Generator:

- **ALWAYS! Connect the red alternator power cable to the red storage connector!!**
- Make sure that the "ON" switch located on the alternator is in the "OFF" position.
- If the CRUSADER is to be stored for extended periods, follow the instructions for storage in the engine manufacturer's manual.
- If it is necessary to store the unit for extended periods with gasoline in it, add a fuel stabilizer. **Always keep in a well-ventilated area!!**

HOW TO CHARGE THE CRUSADER®:

- Charge Alternator Battery every 30 days. Failure to do so will result in a dead and non-chargeable battery.
- It is acceptable to trickle charge Alternator battery 24 hours a day 7 days a week with the included Vmax 3.3 AMP charger.

MAINTENANCE SCHEDULE:

- The engine oil should be changed after the first hour of operation. Then refer to engine manual.
- The coupling between the engine and alternator should be sprayed with a Gunk® silicone lubricant every 10 hours of operation to extend its life.
- Before operating, always visually check the cables for fraying or damaged insulation. Repair or replace any defective cables
- Engine oil: see engine manufacturer's recommendations
- There are no user serviceable parts in the alternator. Opening the alternator housing will void the warranty

Trouble Shooting:

- If engine fails to start please first check gasoline tank to make sure there is gas present. If the Crusader™ has been stored for a long period of time (over 6 months) please make sure the alternator battery is at least 12.5 volts. If it still fails to start please make sure the gas has not gone bad. In addition, please check oil level to make sure there is adequate oil. If the engine still will not start please refer to engine manual.
- If Crusader™ fails to output voltage on the alternator please check both fuses leading to the battery. If the fuse or fuses are burnt out please replace them with an 80 amp MAXI Fuse.
- If Crusader™ fails to output voltage even after both fuses were replaced please contact the Distributor from whom you purchased the product.