



GREAT PLAINS INDUSTRIES, INC.

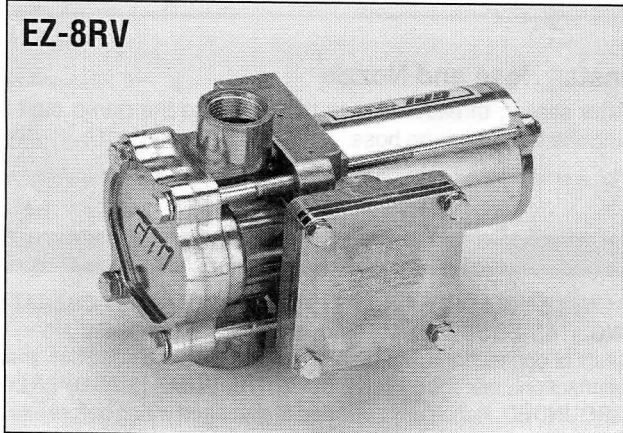
"A Great Plains Ventures Subsidiary"

www.gpipumps.net

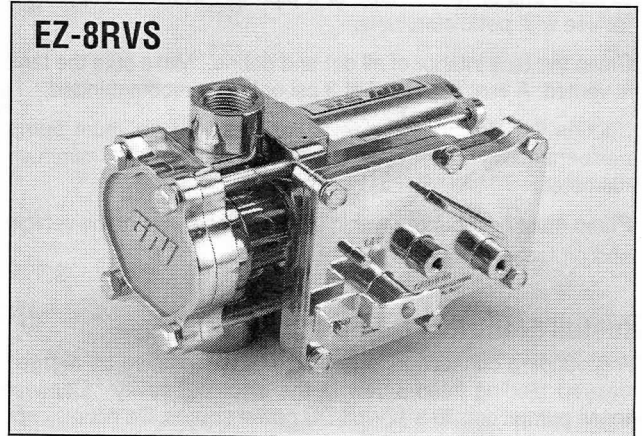
1-800-835-0113

EZ-8RV and EZ-8RVS Fuel Pump

EZ-8RV



EZ-8RVS



GENERAL INFORMATION

These instructions will help you operate and maintain your pump. This owner's manual covers the EZ-8RV and EZ-8RVS, 12-volt electric gear pumps. This manual covers models with manual nozzle.

Notice: This pump is not intended to be used with an automatic nozzle.



WARNING

This product shall not be used for pumping fuel or other liquids into aircraft.

An automatic bypass valve prevents pressure build up when the pump is on with the nozzle closed. To avoid motor damage, do not run the pump more than 5 minutes with the nozzle closed.

The rated duty cycle of this pump is 15 minutes ON and 30 minutes OFF. Allow the pump to cool for 30 minutes.

This pump is designed for use **only** with gasoline (up to 15% alcohol blends such as E15), diesel fuel (up to 20% biodiesel blends such as B20) and kerosene. **Do not** use this pump for dispensing any fluids other than those for which it was designed. To do so may damage pump components and will void the warranty.

This pump is designed to operate on a typical 12-volt DC automotive electrical system. The pump is designed to operate with 12-volts DC at the motor leads and the ratings are determined at this voltage. Performance may vary due to length of power cord, battery condition or output from vehicle charging system that will affect system voltage.

Do not leave the system running without fluids. "Dry running" can damage the pump. If the system fails to deliver fuel after 15 to 20 seconds, turn the system off and refer to the Troubleshooting Section.

Do not pump the tank completely dry, as contaminants from the bottom of the tank may enter the pump.

SAFETY INSTRUCTIONS

Observe all safety precautions concerning safe handling of petroleum fuels.

To ensure safe operation, all fuel transfer systems must be properly grounded. Proper grounding means a continuous metal-to-metal contact from one component to the next, including tank, bung, pump, meter, filter, hose and nozzle. Care should be taken to ensure proper grounding during initial installation and after any service or repair procedures. For your safety, please take a moment to review the warnings in this manual.

To prevent physical injury, observe precautions against fire or explosion when dispensing fuel. Do not operate the system in the presence of any source of ignition including running or hot engines, lighted cigarettes, or gas or electric heaters.

Observe precautions against electrical shock when operating the system. Serious or fatal shock can result from operating electrical equipment in damp or wet locations.

Inspect external pump wiring regularly to make sure it is correctly attached to the battery. To avoid electrical shock, use extra care when connecting the pump to power.

Avoid prolonged skin contact with petroleum fuels. Use protective goggles, gloves, and aprons in case of splashing or spills. Change saturated clothing and wash skin promptly with soap and water.

Observe precautions against electrical shock when servicing the pump. **Always** disconnect power before repairing or servicing. **Never** apply electrical power to the system when any of the coverplates are removed.

INSTALLATION

This pump is designed to self-prime with dry gears.

Make sure all threaded fuel connections are wrapped with three to four turns of Teflon® tape or a pipe thread sealant approved for use with petroleum fuels.

Clean the tank interior of all dirt and debris. Make sure the tank is vented. A vent cap rated at 3 psi or less is recommended.

Suction line design and size is important for optimum pump performance. GPI requires suction line to be 3/8" minimum diameter.

Pump must be mounted within the clearance lines of the vehicle and protected from road impact damage.

Install Electrical Connections

A grounding connection is provided. It is identified as a green colored binding head screw in the electrical cavity. Connect these pumps only to a 12-volt DC power source. Do not attempt connection to a 24-volt DC, 115-volt AC or 230-volt AC power source.

For installation in unclassified areas, a flexible power cord, fuse and strain relief grip should be used.

NOTE: These components have not been evaluated as part of the UL Listed Equipment and are not intended for use in a Hazardous (Classified) Location.

To install the power cord, remove the electrical coverplate. If necessary, trim the power cord to the desired length. Strip 3 to 4 inches (7.5 to 10 cm) of outer insulation from the power cord end. Then strip 1/2 in. (1.3 cm) of insulation from the power cord wires. Slide the strain relief grip onto the power cord so that the threaded end of the strain relief grip faces the stripped power cord wires. Insert the power cord through the 1/2 inch NPT connection on the back of the pump. Using wire nuts, connect black wire to black and red wire to red in the pump's electrical cavity. Position the wires inside the electrical cavity and tighten the strain relief grip securely. Make sure surfaces are clean. Install the coverplate and tighten securely.

!!! WARNING !!!

Carefully route the power cord to the battery, protecting the power cord from hot surfaces, sharp edges or anything that could damage the power cord, resulting in a short circuit.

!!! WARNING !!!

Pump must have circuit protection per ANSI/RVIA 12. A 20-amp slow-blow fuse is a minimum requirement to protect the motor and power cord. Install fuse in the red wire of the power cord adjacent to the battery. Connect the fuse to the positive (ungrounded) side of battery. Connect black wire to the negative (grounded) side of battery.

⚠ DANGER

If pump is to be installed in a Hazardous (Classified) location, it must be installed by a licensed electrician and conform to National Fire Protection Association (NFPA) codes 30 and 70. You as the owner, are responsible for seeing that the installation and operation of your pump complies with NFPA codes as well as any applicable state and local codes. Rigid conduit must be used to install wiring. Note that the lead wires are factory-sealed isolating the motor from the junction box.

Failure to follow these wiring instructions may result in death or serious injury from shock, fire or explosion.

Install Hose and Nozzle

After sealing threads, tighten the hose into the pump outlet and the nozzle on the hose.

OPERATION

ALWAYS FOLLOW SAFETY INSTRUCTIONS WHEN OPERATING THIS EQUIPMENT. Before each use, repair leaks around seals or connections. Make sure hoses are in good condition and connections are tight. **MAKE SURE THE PUMP IS PROPERLY GROUNDED.** Repair any corroded or damaged wiring before use. Ensure the tank contains enough fuel. Make sure the fuel is not contaminated with debris.

To Dispense Fuel

Depending on the model, turn pump on by activating the power circuit on the RV or by lifting up on the switch lever. Insert the nozzle into the receiving tank and squeeze the handle to start fuel flow. When done, release the nozzle handle and turn off the pump.

This pump is designed to be self-priming. If fuel is not delivered within 15 to 20 seconds, turn the pump off and refer to priming information in the Troubleshooting Section.

An automatic bypass valve prevents pressure build up when the pump is on with the nozzle closed. To avoid pump damage, do not run the pump more than 5 minutes with the nozzle closed.

After running the pump for a maximum of 15 minutes, allow it to cool for 30 minutes.

Auxiliary Temperature-Limiting Device

The motor is provided with an internal auxiliary temperature-limiting device. Excessive motor heat can trip the device. It resets automatically after the motor has cooled.

MAINTENANCE

This pump is designed for minimum maintenance. Motor bearings are sealed and require no lubrication. Inspect the pump and components regularly for fuel leaks and make sure the hose and power cord are in good condition. Keep the pump exterior clean to help identify leaks.

Do not use this pump for water, chemicals or herbicides. Dispensing any fluid other than that listed in this manual will damage the pump. Use of the pump with unauthorized fluids will void the warranty.

TROUBLESHOOTING

ALWAYS DISCONNECT POWER BEFORE REPAIRING OR SERVICING THE PUMP. NEVER APPLY POWER TO THE SYSTEM WHEN ANY COVERPLATE IS REMOVED.

A. MOTOR DOES NOT RUN

1. **Check electrical connection.** Inspect for defective wiring or improper electrical connections. Repair as necessary.
2. **Fuse blown or tripped circuit breaker.** Inspect fuse in fuse holder. If blown, replace. Reset circuit breaker.
3. **Auxiliary temperature-limiting device tripped.** Turn pump switch off. Allow motor to cool. Device resets automatically. Try again.

B. MOTOR RUNS BUT DOES NOT PUMP FLUID

1. **System air leak.** Tighten all pump fittings and connections.
2. **Poor connections or low voltage.** Make sure electrical connections are secure. Also check battery voltage.
3. **Fuel level low.** Fill tank.

SPECIFICATIONS

Applications:

The EZ-8RV and EZ-8RVS Fuel Pumps are designed to safely transfer low viscosity petroleum fuels such as gasoline (up to 15% alcohol blends such as E15), diesel fuel (up to 20% biodiesel blends such as B20) and kerosene.

Performance:

Pump Rate: Up to 8 GPM (30 LPM)
Duty Cycle: 15 min. ON, 30 min. OFF

Operating Temperature:

-20°F to +125°F (-29°C to +52°C)

Operating Pressure:

15 PSI

Electrical Specifications:

Input: 12-volt DC
Current Draw: 11 amp
Motor: 2100 RPM, UL Listed to UL and Canadian Standards
1/10 HP (75 watts)

Mechanical Connections:

Inlet: 1 in. NPT Outlet: 3/4 in. NPT

SERVICE

In the event the GPI pump fails, contact your RV dealer.

Owner's responsibilities:

1. The warranty period shall begin on the date of the original purchase of the RV. This warranty is transferable but does not extend the original warranty period of 2 years.
2. Replacement pump will be subject to and covered by GPI's standard warranty but does not extend beyond the original warranty period of 2 years.
3. The owner must establish these dates by presenting legible papers at the time the warranty claim is made showing the purchase or installation date.
4. Locate Owner's Manual and have available.

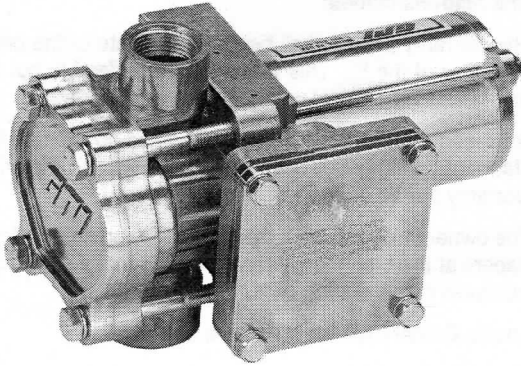
Dealer's responsibilities:

Before providing any warranty service the RV Dealer must:

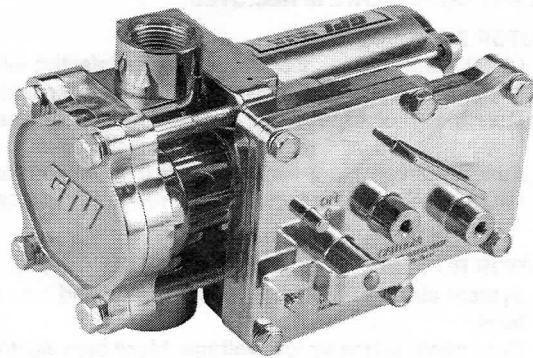
1. Determine that the pump is under warranty by checking either the customer receipt or the Date of Manufacture on the pump. GPI EZ-8RV or EZ-8RVS pumps have a two (2) year warranty period from either the Date of Purchase or the Date of Manufacture.
2. Determine if the pump has been modified with an automatic nozzle or a non-UL hose assembly. The use of an automatic nozzle or a non-UL hose invalidates the warranty.
3. Non-Warrantable failure are as follows:
 - Damage from unauthorized repairs, misuse, abuse or neglect.
 - Damage caused by accidents, overloading, or unauthorized alteration in any way.
 - Acts of weather or corrosion of the housing.
 - Damage due to theft, vandalism, fire or explosion.
 - Improper installation, application and tampering of any portion of the RV fuel system.
 - Use of unauthorized fluids, such as specified gasoline blends in excess of E-15, Bio-diesel blends in excess of B-20.
 - Pump failure due to fuel contamination and blocked fuel lines.
 - Using the EZ-8RV/EZ-8RVS for commercial purposes.
 - Pump accessory failures, such as fuel hose assembly, nozzle, power cord and/or inlet fittings.
 - Expenses relating to or arising out of transportation of the toy hauler to a designated dealer location.
4. If the pump is under warranty and the failure is warrantable:
 - Contact GPI for an RGA # (Returned Goods Authorization) and a call tag for pick up of the defective pump. GPI Customer Service Telephone: 800-835-0113.
 - Replace the defective RV Pump with the unit provided by GPI.
 - Complete and have the customer sign the Warranty Claim Form (provided by GPI Customer Service).
 - Return the completed Warranty Claim Form to GPI within 30 days.
 - Provide Customer with a copy of the completed Warranty Claim Form for their records as Proof of Purchase.

SPARE PARTS LIST

EZ-8RV



EZ-8RVS



Part No.	Description	No. Req'd.
137200-01	EZ-8RV Pump.....	1
137200-04	EZ-8RVS Pump	1
137101-04	EZ-8RVS with Nozzle Cover.....	1

SPARE PARTS

Part No.	Description	No. Req'd.
110412-XX	Power Cord, 14 gauge (XX indicates # of feet between 4-15)	
13750008	Bracket and Hardware Kit	
14120101	UL Fuel Hose, 3/4 in. NPT x 3/4 in. x 4.8 ft.....	1
14120102	UL Fuel Hose, 3/4 in. NPT x 3/4 in. x 5.6 ft.....	1
14120103	UL Fuel Hose, 3/4 in. NPT x 3/4 in. x 8 ft.....	1
14120104	UL Fuel Hose, 3/4 in. NPT x 3/4 in. x 12 ft.....	1
14120105	UL Fuel Hose, 3/4 in. NPT x 3/4 in. x 6.7 ft.....	1
14120106	UL Fuel Hose, 3/4 in. NPT x 3/4 in. x 6 ft.....	1
904002-17	Strain Relief Sealing Grip	1
904004-73	90 Degree Street Elbow.....	1
906002-13	UL Listed Manual Nozzle.....	1

Limited Warranty Policy

Great Plains Industries, Inc. 5252 E. 36th Street North, Wichita, KS USA 67220-3205, hereby provides a limited warranty against defects in material and workmanship on all products manufactured by Great Plains Industries, Inc. This product includes a 2 year warranty from date of purchase as evidenced by the original sales receipt. A 30 month warranty from product date of manufacture will apply in cases where the original sales receipt is not available. Reference product labeling for the warranty expiration date based on 30 months from date of manufacture. Manufacturer's sole obligation under the foregoing warranties will be limited to either, at Manufacturer's option, replacing or repairing defective Goods (subject to limitations hereinafter provided) or refunding the purchase price for such Goods theretofore paid by the Buyer, and Buyer's exclusive remedy for breach of any such warranties will be enforcement of such obligations of Manufacturer. The warranty shall extend to the purchaser of this product and to any person to whom such product is transferred during the warranty period.

This warranty shall not apply if:

- A. the product has been altered or modified outside the warrantor's duly appointed representative;
- B. the product has been subjected to neglect, misuse, abuse or damage or has been installed or operated other than in accordance with the manufacturer's operating instructions.

To make a claim against this warranty, contact the GPI Customer Service Department at 316-686-7361 or 800-835-0113. Or by mail at:

Great Plains Industries, Inc.
5252 E. 36th St. North
Wichita, KS, USA 67220-3205

GPI will step you through a product troubleshooting process to determine appropriate corrective actions.

GREAT PLAINS INDUSTRIES, INC., EXCLUDES LIABILITY UNDER THIS WARRANTY FOR DIRECT, INDIRECT, INCIDENTAL AND CONSEQUENTIAL DAMAGES INCURRED IN THE USE OR LOSS OF USE OF THE PRODUCT WARRANTED HEREUNDER.

The company herewith expressly disclaims any warranty of merchantability or fitness for any particular purpose other than for which it was designed.

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

Note: In compliance with MAGNUSON MOSS CONSUMER WARRANTY ACT - Part 702 (governs the resale availability of the warranty terms).



**ELECTRIC MOTOR FOR
HAZARDOUS LOCATIONS**

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5252 East 36th Street North
Wichita, KS USA 67220-3205
TEL: 316-686-7361
FAX: 316-686-6746

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Rev. A 921818-01