





20 GPM (76 L/min) 12V (dc) Fuel Transfer Pump

Models G20-012PO, G20-012MD, G20-012AD (PATENT-PENDING) Thank you for choosing a Great Plains Industries product, and congratulations on your purchase!

Headquartered in the heartland of the U.S., GPI strives for integrity, innovation, continuous improvement, and dependability—values you will immediately recognize when using our products.

The maintenance policies and procedures outlined in this manual emphasize our commitment to safety and our dedication to you as a customer. By working together, we can ensure years of reliable, quality service.

Please save these instructions for future reference. Read carefully before attempting to assemble, install, operate or maintain the product described.

Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage.

Please refer to back cover for information regarding this product's warranty and other important information.

DO NOT RETURN THIS PRODUCT TO THE STORE!

Please contact Great Plains Industries, Inc. before returning any product. If you are missing parts, or experience problems with your installation, contact our Customer Support Department. We will be happy to assist you.

Call: 800-835-0113 or 316-686-7361

Email: gpisales@gplains.com

SAVE FOR YOUR RECORDS

Model #: _____

Serial #:

Purch. Date: _____



BEFORE YOU BEGIN

Fueling Requirements

- This fuel pump is designed, tested and approved for use with gasoline blends (up to E15), diesel fuel blends (up to B20) and kerosene.
 Please take all due precautions when handling these flammable liquids.
- Do not use this pump for dispensing any fluids other than those for which it was designed. To do so may damage the pumps components and will void the warranty.



Power Source Requirements

- This manual covers 12V (dc) electric gear pump models G20-012PO, G20-012MD, and G20-012AD
- Do not attempt connection of any pump to a 24V (dc), 115V (ac) or 230V (ac) power source.



Tools Needed

 Adjustable Wrench, Pipe Wrench, Pliers, Utility Knife, Wire Crimper/ Stripper, and Metric Hex Wrenches (Hex Key) (4 & 5 mm - Included)

UNPACKING



<u>Contents</u>

- (1) 12V (dc) Fuel Transfer Pump
- (1) Lockable Nozzle Holder
- (1) 90-Degree Modular Fitting and hardware kit & (1) thread tape
- (1) 18 ft. (5.5 m) Power Cord (Attached on models G20-012MD & G20-012AD only)
- (1) Automatic Diesel Shut-off Nozzle (Model G20-012AD only) or Manual Diesel Shut-off Nozzle (Model G20-012MD only)
- (1) 14 ft. (4.2 m) Dispensing Hose (Models G20-012MD & G20-012AD only)
- (1) 15 in. (38 cm) to 40 in. (101 cm) Adjustable Suction Pipe (Models G20-012MD & G20-012AD only)



Inspect

- After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing or damaged parts. Shipping damage claims must be filed with carrier.
- Review General Safety Instructions and all Caution, Warning, and Danger statements as shown.



GENERAL SAFETY INSTRUCTIONS

IMPORTANT: It is your responsibility to:

- Know and follow applicable national, state and local safety codes pertaining to installing and operating electrical equipment for use with flammable liquids.
- Know and follow all safety precautions when handling petroleum fuels.
- Ensure that all equipment operators have access to adequate instructions concerning safe operating and maintenance procedures.

Observe all safety precautions concerning safe handling of petroleum fuels.

To ensure safe operation, all fuel transfer systems A WARNING must be properly grounded. Proper grounding means a continuous metal-to-metal contact from one component to the next, including tank, tank mount, 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 below.

To prevent physical injury or property damage, 🛦 DANGER 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 tobacco products, gas or electric heaters, or any type of electronic device. A spark can ignite fuel vapors.

Observe precautions against electrical shock DANGER 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 A DANGER 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.



If using solvent to clean pump components or tank, observe the solvent manufacturer's recommendations for safe use and disposal.

MAINTENANCE REPAIR



SPECIFICATIONS

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	G20-012PO	G20-012MD	G20-012AD	TAR
Housing Material		Aluminum		STARTED
Pump Rate		20 GPM (76 L/min)		
Duty Cycle	Intermitte	ent, 30 minute ON, 30 min	nute OFF	SPE
Suction Lift		Up to 9 ft. (2.7 m)		SAF
Operating Temperature	-20 °F to 125 °F (-29 °C to 52 °C)		SAFETY / SPECIFICATIONS	
Operating Pressure	12 PSI (0.82 bar)		SN	
Input		12V (dc)		
Current Draw		34 amps		Z A
Motor		2000 RPM, .38 hp		STAL
Motor Approval	cULus Listed, Class I Div 1,	cULus Listed,	Class I Div 2,	ASSEMBLY / INSTALLATION
Motor Protection		40 amp circuit breaker		N
Cord	18 ft. (5.5 m) of 12 ga., included	18 ft. (5.5 m) of	12 ga., attached	
Fuse		40 amp		ę
Inlet		1 in. NPT		ERA
Outlet		1 in. NPT		OPERATION
Hose Type	N/A	Buna-N Electrically C Hose with	-	-
Hose Size	N/A	1 in. x 14	ft. (4.2 m)	ᅻ
Nozzle	N/A	1 in. Manual Diesel	1 in. Auto Diesel	ROUBI
				TROUBLESHOOTING

SPECIFICATIONS (CONTINUED)

G20-012PO, G20-012MD, G20-012AD

Dimensions

- A. Pump Assy Width
- B. Pump Assy Height
- C. Pump Assy Depth

9.20 in. (23.36 cm)

- 9.24 in. (23.46 cm)
 - 11.62 in. (29.51 cm)







MAINTENANCE / REPAIR



INSTALLATION INSTRUCTIONS

A WARNING Coverplates protect the operator from moving parts. Never operate the pump without coverplates in place. Never apply electric power to the pump without coverplates in place. Always disconnect power before repairing or servicing.

Mechanical Connections

<u>NOTE:</u> All threaded fuel connections must be sealed with thread tape or a pipe thread sealing compound approved for use with petroleum fuels and tightened securely to prevent leakage.

NOTE: This pump must be mounted on a vented tank.

<u>NOTE:</u> This pump is designed to mount directly to a standard 2 in. male pump tank mount adapter (included).

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

If you require a greater initial prime height, coat the gears with fluid by removing the outlet fitting on the top of the pump and pour a small quantity of motor oil into the gear cavity. Replace and try again. A foot valve with pressure relief may be needed to maintain prime.

Install Tank Adapter and Suction Pipe

1. Wrap lower threaded end of the tank adapter with three or four turns of thread tape (see Figure 2). Using a wrench, tighten the adapter snugly into the fuel tank.

<u>NOTE</u>: For Aluminum Tank Installation - To prevent thread galling of aluminum fittings, always prepare the threads for assembly using an anti-seize compound such as Loctite[®] 567[™], Hernon[®] Dripstop[®] 940 or equivalent.

- Using pliers, remove the plastic plug from inlet port on bottom of pump. Place the spin collar gasket into the inlet fitting on the bottom of the pump.
- Wrap the threaded end of suction pipe with three or four turns of thread tape (see Figure 3). Thread the suction pipe into the inlet port on the bottom of the pump and hand tighten until snug.

<u>NOTE:</u> If your tank is 15" - 24" deep, do not use the included suction pipe extension; if your tank is 24" - 40" deep, attach the suction pipe extension (see Figure 4).

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Figure 2

Figure 3



Figure 4

Install Pump on Tank

- 1. Clean the tank interior of all dirt and foreign material.
- 2. Place the pump with suction pipe installed on the tank fitting and tighten securely. Make sure the pump's spin collar is not cross-threaded.

Install Nozzle Cover

 Using a 4mm Hex wrench, install nozzle cover using (1) M6-1.0 x 14mm BHCS in lower hole (see Figure 5).

<u>NOTE:</u> For model G20-012PO only, DO NOT install nozzle cover until after power cord has been installed. See *Install Power Cord (G20-012PO model)* section.

Install 1 in. NPT Outlet Adapter

- 1. Remove plastic plug from outlet port of pump.
- 2. Install #222 O-ring into outlet port. Make sure O-ring is seated properly.
- Using a 5mm Hex wrench, install the (4) M6-1.0 x 20mm SHCS into the 1 in. NPT outlet adapter in desired direction on outlet port (see Figure 5).

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Figure 5

Install Hose and Nozzle

- 1. Wrap one end of the dispensing hose with three to four turns of thread tape and thread into outlet port. Tighten securely using an adjustable wrench.
- 2. Wrap opposite end of hose with three or four turns of thread tape and thread into nozzle. Tighten securely using an adjustable wrench.
- 3. Place the nozzle into the nozzle holder on the end of the pump motor housing. Note that the nozzle cannot be placed in the holder unless the pump switch is OFF (see Figure 9).



Install Power Cord (G20-012AD & G20-012MD models)

<u>NOTE:</u> This pump is pre-wired for installation in CLASS I, DIVISION 2 locations such as portable fuel tanks, trailers, etc. Connection method to a battery will depend upon the application.

A WARNING If pump is to be installed in a CLASS I, DIVISION I location please contact GPI for the appropriate product.

Install Power Cord (G20-012PO model)

For installation in unclassified areas, the supplied power cord, fuse and strain relief grip may be used.

<u>NOTE:</u> 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 (4) M6-1.0 x 20mm SHCS and electrical coverplate (see Figure 7).

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 inch (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 wires (see Figure 6).

Insert the power cord through the 1/2 inch NPT connection on the back of the pump (see Figure 7). Using wire nuts, connect the black wire to the black wire and the red wire to the 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. Reinstall the electrical coverplate and switch lever, and tighten securely.

A DANGER If the 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.

MAINTENANCE





Install Ground Wire

A grounding connection is provided. It is identified as a green colored binding head screw in the electrical cavity (see Figure 7). An external ground can be used instead. To use external ground, remove green ground screw from electrical cavity and install in location shown (see Figure 7a).

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Connect to a Power Source

<u>NOTE:</u> Please consult the Owner's Manual for your vehicle before proceeding.

IMPORTANT: The pump is designed for use with a 12 V (dc) power source. Do not attempt connection of any pump to a 24 V (dc), 115 V (ac) or 230 V (ac) power source.

A WARNING Do not attempt to power the pump from vehicle wiring smaller than 12 gauge, such as the cigarette lighter wire, as these thin wires could overheat and cause a fire.

IMPORTANT: Verify switch is in OFF position (see Figure 9), then route the electrical wires to the source of the vehicle power system. Be sure to support the wires as necessary and protect them from sharp edges, heat or anything that could damage the wires.

- If the power cord provided is too long, cut to desired length. Using a utility knife, carefully strip 3 to 4 inches of outer insulation from end of power cord. DO NOT CUT INSULATION OF INNER WIRES. Next, using wire strippers, remove 1/4 in. of insulation from the black and red power cord wires.
- First disconnect vehicle wiring from the negative ground terminal of the battery, and then connect as follows: Using wire strippers, carefully strip 1/4 in. of insulation from both ends of the fuse assembly wire.
- Insert one end of the fuse assembly wire into a wire connector (included) and crimp. Insert the red power cord wire into the other end of the wire connector and crimp. Make sure the fuse assembly is positioned outside of hazardous areas and as close to the battery as possible (see Figure 8).
- Using wire crimpers, attach a terminal post ring (not included) to the other end of the fuse assembly and a terminal post ring to the end of the black power cord wire.
- Connect the red wire/fuse assembly to the positive side of the battery (see Figure 8).
- 6. Connect the black power cord wire to the negative side of the battery.

NOTE: Connecting directly to the battery terminal or the end of the battery cable is recommended.



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OPERATION

IMPORTANT: Always follow safety precautions when operating this equipment. Review the Safety Instructions.

A DANGER To prevent physical injury or property damage, 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 tobacco products, gas or electric heaters, or any type of electronic device. A spark can ignite fuel vapors.

A CAUTION Before each use, repair leaks around seals or connections. Make sure hoses are in good condition and connections are tight.

NOTE: Make sure the work area is dry.

A WARNING Make sure the pump is properly grounded. Repair any corroded or damaged wiring before use.

NOTE: Ensure the tank contains enough fuel.

IMPORTANT: Make sure the fuel is not contaminated with debris. Tighten loose tank lids regularly.

Dispensing Fuel

1. Remove the nozzle from holder and insert into receiving tank. Turn the pump on by pushing the switch lever up. Squeeze the handle to start fuel flow. When done, release the nozzle handle, turn the pump off, and return the nozzle to its holder.

IMPORTANT: 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.

A CAUTION 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 10 minutes with the nozzle closed. Leaving the pump on with the nozzle closed for more than 10 minutes can damage the pump components and will void the warranty.

A CAUTION Never leave the pump running without fluid. Dry running can damage the pump components, and will void the warranty.

IMPORTANT: This is an intermittent duty pump, after running the pump for a maximum of 30 minutes, allow it to cool for 30 minutes.

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OPERATION (CONTINUED) Motor Protector

<u>NOTE:</u> This pump is equipped with a motor protective device that also serves as the ON/OFF switch. The motor protective device is not intended to provide branch protection.

- If motor is overloaded, the protective device trips and opens the circuit. This feature protects the motor from damage and must be reset manually.
- To reset, turn switch lever OFF and then back ON (see Figures 9 and 10).
- If the protective device trips again quickly, disconnect from power source before attempting to troubleshoot the problem. Follow the instructions provided in the Troubleshooting section of this manual.
- 4. Make sure the switch lever is OFF before restoring power.
- 5. Turn switch lever ON and restart.



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TROUBLESHOOTING

Symptom	Possible Cause(s)	Corrective Action
Motor does not run	1. Fuse blown	 Inspect fuse in fuse holder on power cord. If blown, replace
	2. Switch defective	 Remove switch coverplate and inspect switch. Replace, if necessary
	3. Switch or electrical connections are faulty	 Inspect for damaged fuse, defective wiring or switch or improper electrical connections. Replace as needed and reinstall
	4. Circuit breaker tripped	 Turn power off at source. Inspect the pump thoroughly; clean or repair. Reset circuit breaker by turning the power switch off then back on
	5. Motor damaged	5. Replace pump
Motor runs but does not pump	1. Motor running backwards due to incorrect polarity	 Connect red wire to positive (+) ungrounded side of battery. Motorshaft should turn clockwise
	2. Poor connections or low voltage	2. Make sure electrical connections are secure. Check battery voltage
	3. Fuel level low	3. Fill tank
	4. Strainer clogged or defective	 Remove pump coverplate. Remove and clean strainer. Install again
	5. System air leak	 Tighten all pump fittings and connections. Inspect suction pipe for leaks or damage
	 Suction pipe clogged, damaged or missing 	 Remove pump from tank. Inspect suction pipe. Clean or replace, as necessary
	 Gear coverplate or O-ring damaged 	 Remove and inspect the coverplate and O-ring. Replace, as necessary. (see Maintenance/Repair section)
	8. Bypass poppet O-ring worn or missing	 Inspect O-ring (see Maintenance/Repair section). Replace, if necessary
	 Bypass poppet binding or damaged 	 Remove the bypass poppet, spring, and O-ring. Clean cavity. Inspect and replace components, if needed

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TROUBLESHOOTING (CONTINUED)

Symptom	Possible Cause(s)	Corrective Action
Low flow rate	1. Strainer partially clogged	 Remove the strainer coverplate. Remove and clean the strainer. Install again
	2. Poor connections or low voltage	 Make sure electrical connections are secure. Also check battery voltage
	3. Fuel tank empty	3. Fill tank
	 Suction pipe clogged or damaged 	 Remove pump from tank. Inspect suction pipe. Clean or replace, as necessary
	5. System air leak	 Tighten all pump fittings and connections. Inspect suction pipe for leaks or damage. Replace, as necessary
	 Using off-the-shelf automatic nozzle 	6. Factory-supplied automatic nozzle is recommended
Motor stalls when operating in bypass mode	1. Motor protector activated	1. Turn off switch. Allow motor to cool, then turn on switch
	2. Wiring defective	 Use Wiring instructions in th Installation Section to ensur- proper connections
	 Bypass poppet binding or damaged 	 Using instructions in the Repair Section, remove the bypass poppet, spring and O-ring. Clean cavity. Inspect components and replace, as necessary
	4. Motor damaged	4. Replace pump

MAINTENANCE / REPAIR



TROUBLESHOOTING (CONTINUED)

Symptom	Possible Cause(s)	Corrective Action
Switch fails to operate motor	1. Switch or electrical connections faulty	 Inspect for blown fuse, defective wiring or switch, or improper electrical connections. Refer to Switch Replacement instructions in the Repair Section
	2. Motor protector activated	Turn off switch. Allow motor to cool, then turn on switch
	3. Motor damaged	3. Replace pump
Overheating of motor	1. Duty cycle too long	1. Pump operation should not exceed the standard duty cycle of 30 minutes ON, and 30 minutes OFF. Allow the pump to cool for 30 minutes
	Running too long in bypass mode	 Limit bypass operation to 10 minutes
	3. Strainer clogged	 Remove strainer coverplate. Remove and clean strainer. Install again
	 Suction pipe clogged or damaged 	 Remove pump from tank. Inspect suction pipe. Clean or replace, as necessary

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<u>NOTE:</u> This pump is designed for minimum maintenance. The motor bearings are self-lubricating. 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.

IMPORTANT: Do not use this pump for water, chemicals or herbicides. Dispensing any fluid other than those listed in this manual (see **BEFORE YOU BEGIN:** *Fueling Requirements* at front of manual) may damage the pump. Use of the pump with unauthorized fluids will void the warranty.

Clean or Replace Strainer

- Turn the pump off and disconnect from power. Using 5mm hex wrench, remove the coverplate, O-ring, and inlet strainer and inspect for damage or clogs (see Figure 11). Clean the strainer with a soft-bristled brush and solvent. If the strainer is very dirty, compressed air may be used. If damaged, replace the strainer.
- Clean the coverplate and O-ring. Coat the O-ring lightly with grease. Reinstall the strainer, O-ring and coverplate. Ensure the O-ring is properly seated and tighten securely.



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REPAIR

IMPORTANT: Carefully inspect all parts for wear or damage. Replace components, as necessary. The Illustrated Parts List gives information on replacement parts and kits. Review the Safety Instructions before proceeding.

ADANGER 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.

A WARNING 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.

Service O-rings

<u>NOTE:</u> A Wet Seal Kit contains all seals for your pump and should be on hand when performing repairs. Old seals may then be replaced with new seals.

- 1. In general, when inspecting O-rings, look for breaks, wear, and signs of deterioration, such as swelling.
- 2. Replace, as necessary.
- 3. Before seating, coat O-rings with light grease.



Replace Gears

- 1. Turn the pump OFF and disconnect from power.
- Using 5mm hex wrench, remove the gear coverplate and O-ring (see Figure 12).
- 4. Remove the gears.
- 5. Inspect gears for wear and damage. Replace, as necessary.
- 6. Wipe the gear cavity with a clean cloth.
- 8. Replace the gears.
- Make sure the gear coverplate O-ring is securely in place. Tighten the coverplate to the housing.
- 10. Clean Bypass poppet (see Figure 13).



MAINTENANCE / REPAIR



Clean and Replace Bypass Poppet

- 1. Turn the pump OFF and disconnect from power.
- 2. Using a 5mm Hex wrench, remove the coverplate from the pump.
- With a 10mm Hex wrench remove the pipe plug from the coverplate, and remove the bypass poppet spring, O-ring, bypass poppet and orifice seal (see Figure 13).
- 4. Inspect the O-ring and replace as necessary

NOTE: Replace O-ring if damaged, swollen or loose-fitting (see Wet Seal Kit).

- 5. With a clean cloth, wipe the poppet components and replace.
- 6. Before seating, coat O-ring with light grease.
- 7. Install coverplate.



Figure 13

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Replace Motor Shaft Seal

- 1. Turn the pump OFF and disconnect from power.
- Using a 5mm Hex wrench, remove the (4) M6 x 80mm SHCS on gear coverplate and (1) M6 x 35mm SHCS located on back of pump housing. Separate pump housing and fittings from drive shaft (see Figure 14).
- 3. Remove motor shaft seal from pump housing (see Figure 14).
- 4. Press a new motor shaft seal evenly in the pump housing until seated. Lubricate the seal with a lightweight motor oil.
- 5 Reinstall pump housing with gear coverplate, gears and fittings.





MAINTENANCE / REPAIR



Replace Power Switch

- 1. Turn the pump OFF and disconnect from power.
- 2 Using a 4mm Hex wrench remove the M6 BHCS and nozzle cover.
- 4. Remove the (4) M6 SHCS and electrical coverplate from the motor housing.
- Remove the (1) #10 truss head screw and switch bracket with switch assembly (see Figure 15).
- 6. Unscrew both #6 machine screws and remove the switch assembly from the switch bracket.
- Unscrew both blade terminals and remove red pump wires from the back of the switch (see Figures 15 and 16). Take note of which wire is attached to each blade terminal for reinstallation.
- 8. Install a new switch by reversing the above procedure. Insert the switch assembly into the pump cavity. Reinstall all components.





Figure 16

Remove Pump From Tank

- 1. Turn the pump OFF and disconnect from power.
- 2. Unthread and lift the pump and suction pipe straight up from the tank adapter.
- 3. Elevate the nozzle and hose to allow excess fuel to drain into the tank.
- 4. Wipe the entire system with a clean cloth.



REPAIR PARTS ILLUSTRATION FOR G20-012PO, G20-012MD AND G20-012AD

Do not return the pump or parts without prior approval from the GPI Customer Service Department. Due to strict government regulations, GPI cannot accept parts unless they have been drained and cleaned.



For warranty consideration, parts, or other service information, please contact your local distributor. If you need further assistance, contact the GPI Customer Service Department in Wichita, Kansas, during normal business hours.

A toll free number is provided for your convenience.

1-800-835-0113

To obtain prompt, efficient service, always be prepared with the following information:

- The model number of your pump.
- The serial number or manufacturing date code of your pump.
- Part descriptions and numbers.

For warranty work, always be prepared with your original sales slip or other evidence of purchase date.



REPAIR PARTS LIST FOR G20-012PO, G20-012MD AND G20-012AD

Ref.			~
No.	Description	Part Number	Qty.
1	Gear Kit	162501-01	
	Gear Coverplate O-ring #226	A	1
	Gears		2
2	Outlet Hardware Kit	162516-503	
	5mm Hex Key (not shown)	A	1
	M6-1.0 x 20mm SHCS	A	4
	Outlet Port O-ring #222	A	1
3	Switch Assembly	902006-555	1
4	Seal Kit	162502-01	
	Bypass Valve Orifice Seal	A	1
	Bypass Poppet O-ring #920	A	1
	Gear Coverplate O-ring #226	A	1
	Outlet Port O-ring #222		1
	Motor Shaft Seal	A	1
	Electrical Coverplate Seal	A	1
5	Bung Adapter Kit	110909-1	
	Bung Adapter	A	1
	Gasket	A	1

(▲) Available as part of kit only.

IMPORTANT: Please contact GPI before returning any parts. It may be possible to diagnose the trouble and identify needed parts in a telephone call. GPI can also inform you of any special requirements you will need to follow for shipping fuel dispensing equipment.

IMPORTANT: In order to preserve the UL Listing for the motor, do not attempt to service the motor. For products serviced outside the factory, the UL nameplate must be defaced to indicate that the equipment may no longer meet the requirements for UL Listing. This does not apply to products serviced outside the factory under the UL program for Rebuilt Motors for Use in Hazardous Locations.

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GPI® TWO-YEAR LIMITED WARRANTY

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

The company will guide 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).

