

SAFETY, OPERATION AND MAINTENANCE MANUAL WITH PARTS LIST

Please read before use!

100 PSI, DUAL 2-STAGE MOTORS

Heated and Non-Heated Units



Models:

842CD122ST12

842HT122ST12

LAVEX 12-GALLON CARPET EXTRACTOR

Heated and Non-Heated Units

LAVEX™

IMPORTANT INFORMATION AND SAFETY INSTRUCTIONS

Serial No: _____



Manufactured with
Pride in the U.S.A.



Dear Valued Client,

Congratulations on the purchase of your 12-Gallon Carpet Extractor! The world of carpet cleaning is becoming more high-tech and competitive and we strive to provide you with the most innovative products. Our Carpet Extractor is yet another example of this, bringing a new dimension to restoration and carpet cleaning.

Please review this manual, paying careful attention to the Safety Instructions Section. Keep in mind that any unnecessary damage, neglect or abuse of this machine will void your warranty. You can be confident that simple maintenance will ensure that your Carpet Extractor provides quality performance for many years to come.

If warranty questions arise, please consult your manual or contact your distributor. Should you have any questions regarding maintenance, replacing parts or ordering parts, please call an authorized distributor.

Before you begin using your Carpet Extractor, thoroughly review the Owner's Manual. Again, congratulations on the purchase of your 12-Gallon Carpet Extractor!

Questions or Comments?

Phone: 717-392-7472

Visit our website at: www.lavexproducts.com

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New Equipment Warranty

Lifetime on body, 2-years on vacuum motors, 2-years on 100 PSI pump and all electrical components, 90-days on tools and accessories.

Warranty Policy

All equipment is inspected and tested before shipping from the manufacturer. All parts are warranted to be new and free from defects in workmanship and material, under normal use to the original retail purchaser. This warranty limits manufacturer's liability for defects in workmanship or materials for replacement of defective parts only. The manufacturer accepts no liability for incidental or consequential damages arisen from the use of any equipment, defective or not. This warranty is in lieu of all expressed or implied warranties and is extended only to the original retail purchaser. Manufacturer sales and service representatives are not authorized to waive or alter the terms of this warranty, or to increase the obligations of the manufacturer under the warranty. Parts replaced or repaired under this warranty are warranted for the remainder of the original warranty period.

Labor is only provided by authorized service centers. If an authorized service center is not near you, it is the purchaser's responsibility to take their machine to an authorized service center. International clients are responsible for all shipping needed for complete warranty. Freight charges and travel charges are not covered by the manufacturer.

The manufacturer covers up to one (1) year (365 days) of service labor at the manufacturer's calculated hourly labor rate/repair time when performed by a manufacturer-authorized service provider. Ultimately, labor reimbursement costs are at the discretion of the manufacturer. At no time is the manufacturer responsible for travel time to complete on-call repairs. After one (1) year, the original retail purchaser is responsible for all labor costs with no manufacturer reimbursement.

The original purchaser must contact the manufacturer to follow correct RMA/warranty procedures. No returns shall be authorized unless the proper RMA procedures are followed. It is the responsibility of the distributor to repair the client's equipment as soon as possible.

The manufacturer charges a 25% restocking fee for any items that are being returned to stock. Items must be new, unused, free of damage and are only good for up to 30 days. After 30 days, the manufacturer does not accept the return of any items for credit.

Authorized warranty replacement parts need to come directly from the manufacturer. Any use of any other parts will void warranty.

The manufacturer does not reimburse for parts used by client that were not supplied directly for the machine under warranty.

The client must contact the manufacturer prior to working on or changing out of any parts, etc. Do not send parts or equipment back to the manufacturer without an RMA Number and approval. No labor will be paid for, nor parts cost paid for or reimbursed, that have not previously been approved by the manufacturer. All warranty work must be approved and authorized to qualify, and appropriate warranty procedures must be followed.

The warranty starts on the purchase date by the original purchaser from an authorized distributor, subject to proof of purchase. If proof of purchase cannot be identified, the warranty start date is ninety (90) days after the date of sale to the authorized distributor.

Returned Material Authorization (RMA) Procedure

Please contact Lavex at 717-392-7472 prior to working on or changing out any warranty parts, etc. for pre-approval. Please have the following ready and available:

- Serial Number and Model Number of the Machine
- Date of Purchase or End-User Date of Purchase
- Detailed Description of the Problem
- Photos of the Problem Area and Inside of the Machine

If parts or a piece of equipment is approved to be returned, an RMA will be issued. The RMA Number needs to be written on the box with the item to be returned. There is a 25% restocking fee on any returned merchandise not under warranty or with no issues found upon inspection.

Warranties will be issued for items with a manufacturer defect and will not apply to normal wear-and-tear or abuse. We reserve the right to refuse warranties in cases of abuse, including but not limited to rust, corrosion (water damage), dents, ingestion of foreign matter, or items modified from its original design and unauthorized labor on repairs.

If a new part or pieces of equipment has been approved under warranty, the new item will be sent out under the RMA Number. Freight charges will be applied to any warranty after 90 days of original purchase or any expedited shipping requests. Pumps, motors and heaters being replaced after 90 days must be returned to Lavex at your or your customer's cost in order to determine manufacturer's defect.

Do not send parts or equipment back to Lavex without an RMA Number and approval. No labor will be paid, nor parts cost reimbursed, that has not been previously approved by the manufacturer. All warranty procedures must be strictly followed.

1.0 Safety Instructions

READ THIS MANUAL BEFORE OPERATING MACHINERY. KNOW THE PROPER SET-UP, OPERATION, CORRECT APPLICATIONS AND THE LIMITATIONS OF THIS EQUIPMENT BEFORE USE.

This carpet extractor will afford you many years of trouble-free operating satisfaction, provided it is given the proper care. All parts have passed rigid quality control standards throughout the assembly process. Prior to packaging, your carpet extractor was again inspected for assurance of flawless operation.

This machine is protectively packed to prevent damage in shipment. We recommend that upon delivery, unpack the unit and inspect it for any possible damage. Only a visual inspection will reveal damage that may have occurred.

If damage is discovered, immediately notify the transportation company that delivered your equipment. As a shipper, we are unable to report any claim for damage. You must originate any claim within five (5) days.

This manual is for your protection and information. Please read carefully since failure to follow precautions could result in discomfort or injury.

1.0 Safety Instructions Continued

Reduce the Risk of Fire, Electric Shock or Injury

Use only as described in this safety operating manual. Use only the manufacturer's recommended attachments, accessories, replacement parts and filters. Replace damaged or worn parts immediately with genuine, original equipment parts to maintain safety and to protect your limited warranty.

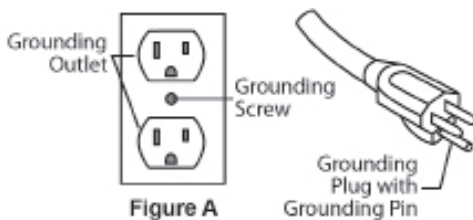
Always turn OFF the carpet extractor before connecting, disconnecting or working on the machine. This equipment must be connected to a properly grounded outlet only (see grounding instructions). (1) or (2) 25-foot, 12/3-gauge safety power cord(s) are provided with this unit (dependent on the model) and MUST be used with this unit to ensure grounding protection. Turn off all controls before unplugging. Make sure the on/off switch is in the off position. This is not a toy. Close attention is necessary when used around or near children. Use extra care when cleaning on stairs.

- DO NOT leave the carpet extractor when plugged in. Unplug it from the outlet when not in use and before servicing.
- DO NOT use this carpet extractor with a damaged cord or plug. If the equipment is not working as it should because it has been dropped, damaged, left outdoors, etc., contact an authorized service center.
- DO NOT unplug the carpet extractor by pulling the cord. To unplug, grasp the plug, not the cord. DO NOT pull the unit by the cord, use the cord as a handle, close a door on the cord, or pull the cord around sharp edges or corners. Keep the cord away from heated surfaces. Lift using only the appropriate handles.
- DO NOT overstretch the safety power cord between the equipment and the electrical outlet in the wall.
- DO NOT tie an extension cord to the pigtail cord. This will damage the cord and will VOID your warranty.
- DO NOT handle the plug of the vacuum with wet hands.
- DO NOT move the machine up or down stairs with fluid in the machine.
- DO NOT pick up anything that is burning or smoking such as cigarettes, matches or hot ashes.
- DO NOT use the machine to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- DO NOT use where oxygen or anesthetics are used.
- DO NOT put objects into openings or use with any openings blocked. Keep free of dust, lint, hair and anything that may reduce air flow. Keep hair, loose clothing, fingers, and all body parts away from openings and moving parts to ensure safe operation.
- DO NOT use if any hoses or nozzles are damaged, cut or punctured.
- DO NOT expose to rain or use on wet surfaces, to avoid electric shock. Store indoors.
- DO NOT leave machine outdoors, in extreme heat or cold. Harsh weather elements will damage components and void warranty.
- DO NOT lubricate the motor. If the motor is lubricated, this will VOID your warranty.

2.0 Grounding Instructions

DANGER: IMPROPER INSTALLATION OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRIC SHOCK!

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire with an appropriate grounding plug. The plug must be plugged into an outlet that is installed properly and grounded in accordance with all local codes and ordinances.



Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the product is grounded properly. DO NOT modify the plug provided. If it will not fit into the outlet, have a proper outlet installed by a qualified electrician. This electric equipment is for use on a normal 120 volt circuit. It has a grounded plug that looks like the plug illustrated in (Fig A). The use of a temporary adaptor is NOT recommended.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code.

3.0 How to Use 6 & 12 Gallon Carpet Extractor

Remove unit from carton.

- Inspect your new machine to ensure that there was no damage done to the machine during shipping.
- All of our machines will come with RV Antifreeze throughout the system to ensure the unit does not freeze in transit.

#1. Pour one gallon of clean water into the front solution tank (the solution tank has a rectangular lid that opens).

#2. Check to make sure the round lid on your recovery tank is securely fastened to the tank and dump valve on the rear of machine is closed. This will insure proper vacuum in tank.

#3 Attach the blue solution hose to your wand or hand tool by sliding back the round "collar" of the female Quick Disconnect on the hose and snapping it into place onto the male quick disconnect on the wand connection.

#4. Attach the other end of blue solution hose to the quick disconnect on the front of extractor, using same method, by sliding the collar back, and snapping THE male hose connector into place. You should hear an audible click when they are connected properly.

#5. On the single corded unit plug the electric cord into an outlet. For dual corded units, plug one cord into one outlet, and find a separate circuit for the 2nd cord. You must use a completely separate circuit for the unit to function properly.

#6. Press the switch marked pump. Over a drain, squeeze the trigger on the wand or hand tool to run most of the one gallon of clean water through system. This is so all of the RV Antifreeze is flushed from the system. ***Do not operate the unit if it is out of water as this could damage pump. If nothing comes out of the end of the wand or hand tool, shut the pump off, go back and disconnect and reconnect all the quick disconnects, to insure proper fitting. These must be securely attached in order to function. Test again.

3.0 How to Use 6 & 12 Gallon Carpet Extractor Continued

#7. Attach one end of vacuum hose to the wand or hand tool.

#8. Attach the other end of the hose to the front of the machine. You may have to rotate hose back and forth while pressing onto wand/tool and onto the hose "barb" on front of machine to insure a snug fit. You are now ready to use the unit.

#9. Lavex recommends applying carpet cleaning solution directly to carpet with spray bottle or pump sprayer (follow directions on the carpet cleaner solution so product is properly mixed). Agitate carpet with rotary floor machine and carpet shampoo brush, a counter rotational machine or any stiff bristle brush. Allow chemicals to do the work by letting stand for 10 minutes or so. Fill front tank of carpet extractor with clean warm water from tap. Do not use water any hotter than tap water, because this could damage pump and void warranty. You are now ready to extract. *Please use defoamer in the recovery tank to avoid damage to vacuum motors, follow directions on the defoamer label. *

Turn on pump switch and vacuum switch/switches. Spray clean water onto small area of carpet while moving wand or tool, again agitating carpet with wand/tool. Then alternate spraying with vacuuming up as much liquid as possible. Repeat spraying clean water, then vacuuming until carpet contains no residue of carpet cleaning solution. DO NOT RUN SOLUTION TANK OUT OF WATER, as it could cause issues with air in the lines or pump issues. Run air mover to help dry carpet while finished with area or room.

When finished, empty all water from solution tank by sticking vacuum hose into tank. Open lid on recovery tank and set aside. At toilet or floor drain, empty recovery tank by lifting up drain valve on back of extractor. Flush tank out with hose to remove all debris. While storing, keep lids off both to allow air circulation and avoiding unpleasant odors. Clean filter at bottom of solution tank, clean filter of the candy cane shaped shut off inside recovery tank and clean inline filter of all 200, 300, 500 and 1200 psi units located between solution tank and pump inside motor base.

4.0 Care of your Carpet Extractor

Treat your machine as you would any other high grade, precision made product. Dropping, unreasonable bumping across thresholds and other misuses may result in a damaged unit which will not be covered under warranty.

After each use, wipe the extractor body, accessories and power cord with a slightly damp cloth. Flush the machine with a solution of water and vinegar once a month to prevent build up. If you use detergent or chemicals in your unit, you must flush with water and vinegar after **EVERY** use. When not in use, remove the power cord and hoses. Store in a dry area. If you plan to store the machine for a long period of time, we advise you to put antifreeze in it to prevent clogging.

5.0 Set-Up and Operation

DO NOT USE ON WET SURFACES. DO NOT EXPOSE TO RAIN OR FRIGID TEMPERATURES. STORE INDOORS.

All carpet extractors, no matter what the time of year, are shipped with antifreeze in the solution lines. Prior to first use, fill the tank with 3-4 gallons of warm water. Attach the hose and using the hand tool wand, flush out the system by spraying the one quart of water through the pump.

- Attach the 1-1/2 inch vacuum hose and the brass quick disconnect.
- Fill the solution tank with water. Fill to approximately 4 inches from the top. Pre-spray a liquid detergent made for carpet cleaning or upholstery on carpet and agitate carpet. Next, use your tool to spray clean water & extract the solution from the carpet or upholstery – this procedure is highly recommended. Note: read and mix your pre-spray solution to the dilution ratios as directed.
- Be sure to replace any filters back into the machine prior to use.
- **DO NOT** use citrus acid, buterol or harsh degreasers inside the machine.
- **DO NOT** use powdered detergents in this machine – will **VOID** warranty.

5.0 Set-Up and Operation Continued

5.1 Attach the Power Cord

The machine comes with (1) or (2) 25-foot, 12/3-gauge safety power cord(s).

- Locate the pigtail on the back of the machine's base.
- Plug the lighted end of the power cord into the pigtail.
- Plug the cord into a 20 AMP grounded wall outlet.
- Plug the 2 cords into different circuits.
- Make sure there is not something else plugged to the same circuit.
- **DO NOT** plug the cords in a multi-outlet extension cord or portable outlet.

20 AMP circuits are normally found in kitchens and bathrooms. Never remove the ground prong from the plug. If a circuit breaker trips during operation, turn machine off, reset the breaker and move the electrical cord to a different outlet and resume operation.

5.2 Vacuum System

The extractor uses a dual vacuum motor system that provides outstanding water lift and air flow.

Vacuum Float Assembly Warning System:

The float assembly shut-off, located in the recovery tank on the vacuum stand pipe, prevents the waste tank from overflowing into the stand pipe and damaging the vacuum motor. The float assembly will cut-off vacuum to the waste tank. The motor will also reach a fast, high-pitched sound alerting you when the recovery tank is about to overflow. When this happens, immediately turn off the vacuum motor and empty the waste tank. If the operator continues to use machine after the tank is full, it will VOID the Warranty.

The float assembly has a filter to prevent debris from entering the stand pipe. Refer to the "Maintenance" section for removal and proper cleaning. It is also necessary to use low foaming chemicals or a defoamer to eliminate foam build-up in the recovery tank and damage to the vacuum motors.

If moisture enters the vacuum motors, contact an authorized service center. To prevent moisture from damaging the vacuum motors during storage, empty the recovery tank and store with the lid open.

5.3 Pump System

100 PSI model extractors have self-priming pumps. There is no need to prime this pump.

6.0 How to Use Heater & Maintenance

Preventative Instructions for Heater Use

Before Initial Use

- Drain antifreeze from the machine system.
- Ensure secure outlet connection with no loose parts.
- Confirm correct pigtail attachment.
- Use only Lavex-approved extensions to prevent malfunctions.
- For long-term storage, use antifreeze every two months, especially in hot areas to prevent scale buildup.
- In cold climates, use antifreeze and store the unit in a location above 65°F to prevent heater damage.

During Heater Use

- Activate both pump and heater buttons simultaneously.
- Allow 5 minutes for water to heat with pump running before use.
- Alternate between 5-minute vacuuming and 5-minute hot water use intervals.
- Allow at least 2 minutes for hot water to flow from the unit.
- DO NOT pour hot water into the solution tank.

After Heater Use

- Rinse the machine system with a 50/50 vinegar-water solution (5 gallons for extractors), then flush with water to maintain pump and system condition.

7.0 Maintenance

WARNING: Disconnect electrical power cord before performing any service or maintenance inside the machine base or before testing or repairing switches or power cords. Failure to do so may result in severe personal injury or death.

Regular maintenance is required to keep your Carpet Extractor in proper working condition. Failure to properly maintain your machine could void warranty. Thoroughly clean all equipment and accessories after each use:

- Rinse the solution and recovery tanks with clean water.
- Flush the pump system with clean water, including all hoses and wands.
- Do not allow water to remain in the tanks after use.
- Lubricate all quick disconnects with WD-40 or similar lubricant.
- Clean vacuum float assembly screen.

Operation	Interval
Clean Fresh Water Tank Filter	Daily - After Each Job
Clean Vacuum Assembly Screen	Daily - After Each Job
Rinse Out Recovery Tank	Daily
Clean Pump Inlet Filter	Weekly - As Needed
Clean Dump Valve	Weekly - As Needed
Prevent Mineral Deposit Build-Up	Every Two Weeks

7.1 Clean Vacuum Float Assembly Screen

Inside the recovery tank, on top of the stand pipe, is the vacuum float assembly. It functions to prevent debris and water from being sucked into the vacuum motors. Operating the equipment without the float assembly or with a poorly maintained assembly, will greatly decrease the life of the vacuum motor and will VOID your warranty.

If debris builds up on this filter, it will reduce the vacuum air flow and may cause a significant decrease in the rate of water recovery. If debris prevents the float ball from moving or seating inside the assembly, it may not stop the airflow when the tank fills with water and water will be sucked in the vacuum and blow out the exhaust.



Vacuum Shut-Off Assembly

To clean, twist off the float assembly from the stand pipe and clean the screen. Pull fibers and lint off and rinse with clean water. Push the assembly back onto the stand pipe and replace the recovery tank lid.

This screen should be cleaned daily, especially if the carpet extractor is being operated in an environment which has an abnormal build-up of lint and debris, such as cleaning newly installed carpet. Loss of vacuum is most normally associated with lint build-up in this filter at the top of the vacuum stand pipe.

7.2 Rinse Out Recovery Tank

Clean out the recovery tank on a regular basis to extend the life of this component as well as keep the tank and machine smelling better.

To rinse out recovery tank, remove the recovery tank lid and open the dump valve. Place a bucket under the dump valve. Use a hose to rinse the dirt and debris out of the recovery tank. Close the dump valve and spray the tank with deodorizer or disinfectant. Proceed to waste pump cleaning and replace the recovery tank lid. Dispose of dirty water and debris.

7.0 Maintenance Continued

7.3 Clean Pump Inlet Filter

CAUTION: before proceeding with this procedure, make sure both the power cords are disconnected.

- To examine the filter, open the solution tank lid on the front of the machine. The filter is in the bottom of the solution tank.
- Grasp the filter cap and unscrew the filter from the brass nipple by turning counter-clockwise. Clean the filter by rinsing with fresh water. If necessary, use a tooth brush to remove detergent build-up. Replace as needed.



NOTE: a heavy build-up is a warning sign that the solution system should be flushed.

7.0 Maintenance Continued

7.4 Clean Dump Valve

The dump valve, located on the back of the machine, has a track inside of it. Open the dump valve and check the track for build-up. This build-up could prevent the dump valve from closing and cause leaking. Use a toothbrush to clean the track of the dump valve.

7.5 Prevent Mineral Deposit Build-Up

Vinegar may be used to prevent mineral deposit build-up in your machine's lines and pump. Failure to do so may clog your lines and pump. Every two weeks, pour vinegar into the solution tank (dilute with 1/2 water). Run the pump, while squeezing your wand or upholstery tool's trigger unit you smell vinegar or notice it coming out of the tool. Let the machine sit overnight, and no longer, with the vinegar in its lines. The next day, flush the machine with 1-gallon of clean water or until you do not smell vinegar any longer.

PLEASE NOTE: If you choose to use CLR, follow the directions on the bottle. DO NOT leave CLR in the machine's lines and flush thoroughly. CLR may corrode the machine's components and VOID your warranty. If you choose to use vinegar, you MUST dilute with 1/2 water. Failure to do so may damage the machine's components and VOID your warranty.

7.6 Heater Maintenance

This machine includes a heater system to warm water, similar to a household boiler. Before using it, the heater and pump must be turned on for at least 5 minutes to prevent damage. **Remember to always turn on the pump when starting the heater.** When the heater is run without the pump, it will overheat causing the elements to become welded to the inside of the heater tube. This causes water leaks and total heater failure.

For long-term storage, it's advised to use antifreeze to maintain the machine. Antifreeze helps prevent freezing in cold weather and blockages/buildup in warm weather. This is called "Winterizing" your unit. Left over water within the heater can freeze. This causes the heater tube to swell and burst, which also causes water leaks and total heater failure. Check the machine every few months if storing it for long periods as antifreeze will eventually evaporate and this can cause blockages within the system. We recommend to change the antifreeze every 2-3 months. **Even if you have winterized your unit - avoid exposing it to extreme temperatures!**

7.7 Prevent Clogs & Winterizing Unit

To winterize your unit: Pour antifreeze into the solution tank. For spotters - put a minimum of two inches of antifreeze in the solution tank. For extractors - remove the acorn filter and add half a gallon of antifreeze to the solution tank. Then, turn on the pump and let it run through the system by pressing the trigger of the hand tool or wand. Excess can be vacuumed out into recovery tank.

If you're storing the machine for a short period, we still suggest that you winterize or run water through it regularly to prevent clogs. Clogs are typically not covered under warranty as they are usually the result of poor maintenance or leaving water in the tank for extended periods.

8.0 Shutdown Procedures

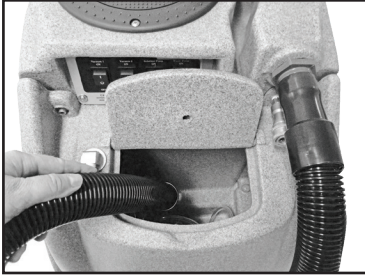


Figure 1

- When finished cleaning, turn OFF all switches.
- Disconnect the solution hose and vacuum hose from the cleaning tool. Pull the valve trigger to release pressure from the hose before disconnecting the solutions hose from the cleaning tool.
- If water remains in the solution tank, use the vacuum hose and vacuum the excess water from the tank (Figure 1).



Figure 2

- Disconnect the power cords from the outlets and from the machine.
- Remove the float assembly from the recovery tank and clean filter as needed. Replace float assembly and tank lid (Figure 2).
- Drain any remaining water from the recovery tank and dispose of in a sanitary drain. CAUTION: Use separate buckets to drain and fill the tank. Even the smallest debris can cause issues (Figure 3).
- Disconnect and roll-up all hoses and tools. Store machine and accessories in a dry space.

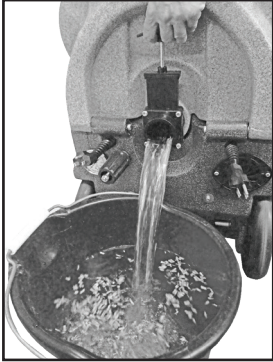


Figure 3

9.0 Storing your Carpet Extractor

Store your carpet extractor in temperatures over 40 degrees Fahrenheit. To prevent moisture from damaging the vacuum motor during storage, empty the recovery tank and store with the lid open. Store in an upright position in a dry area

If you plan on storing your extractor in freezing conditions or for a long period of time, you must winterize your carpet extractor to protect the pump from freezing and damage being caused to fittings and valves. Damage due to freezing is NOT covered under the warranty. The following procedure should help prevent your carpet extractor from freezing and prevent pump and seals from drying out.

Recommended Procedure for Storage

- Pour a quart of RV Water System Antifreeze into the solution tank.
- Connect the solution hose to the front of the machine.
- Use the wand to spray the mixture into a bucket.
- Vacuum the excess mixture out of the solution tank and into the recovery tank. Dispose of the antifreeze properly.
- We suggest you to check your unit every two months by running the pump and winterizing it (putting anti-freeze) to prevent evaporation in hot areas.
- If you don't winterize your unit, the water will create build up and clog the unit.

To return to service, flush the pressure system by repeating the above steps, using fresh water in place of antifreeze.

10.0 Trouble Shooting Guide

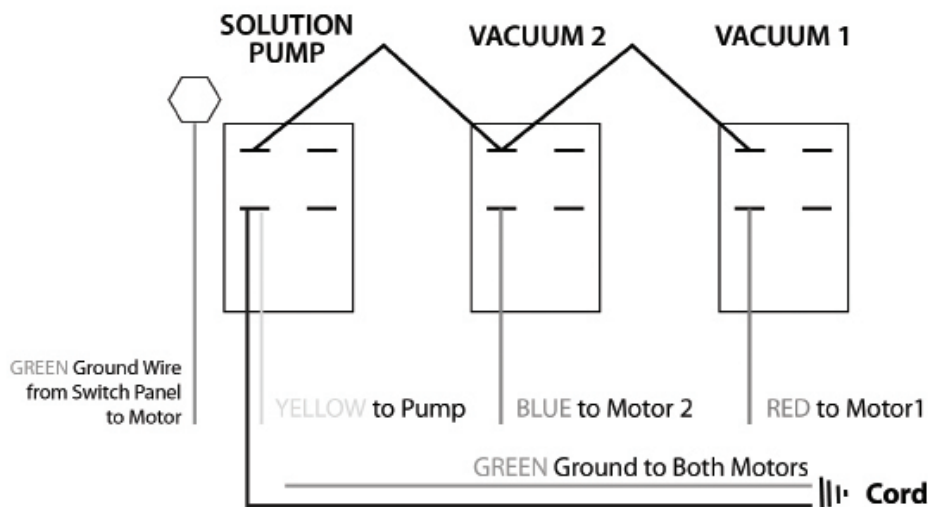
CAUTION: Always disconnect the power cord before servicing equipment.

WARNING: Never operate this carpet extractor when the equipment is not performing as expected or when any part is visibly damaged. Repairs should only be performed by an authorized service center. Failure to do so will VOID warranty.

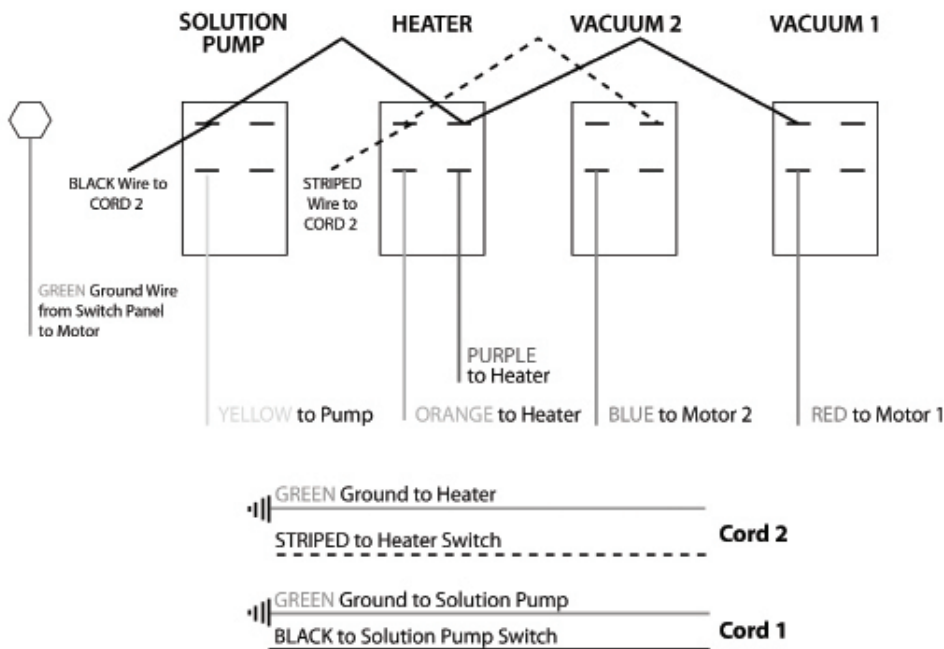
System	Problem	Possible Cause	Remedy
Vacuum System	No Vacuum / Weak Vacuum	1. Vacuum Tank Full 2. Float Assembly Tank Screen Dirty 3. Float Ball Stuck 4. Damaged or Loose Vacuum Hose 5. Dump Valve Open 6. Access Lid not Sealed 7. Vacuum Hose Clogged 8. Air Intake Grid Clogged 9. Leak in Recovery Tank 10. Water Coming out of Vacuum Exhaust	1. Empty Tank 2. Clean the Screen with Water 3. Tap Float to Unstick then Clean 4. Attach or Replace 5. Close Valve 6. Replace Gasket 7. Clear Debris 8. Clean 9. Clean and Dry Area, Patch with Silicone 10. Use a Low Foaming Detergent
	Unit will not Turn On	1. Extension Cord not Plugged In 2. Switch not in the "On" Position 3. Building Circuit Overloaded 4. Wiring Connections Loose	1. Check if Machine and Cord are Plugged In 2. Check Switches, Replace if Necessary 3. Reset Circuit 4. Unplug Machine and Check for Loose Wires
Electrical System	Burning Smell	1. Vacuum Motor Hung Up 2. Pump Motor Hung Up	1. Replace Vacuum Motor 2. Replace Pump
	Pump is not Running Properly	1. No Power to the Pump 2. Jets on Wand are Clogged 3. In-Line Water Filter is Clogged 4. Debris in Solution Tank Covering Inlet 5. Kinked or Loose Hose 6. Pump Failed 7. Quick Disconnects are not Completely Locked Together 8. Heater is Clogged with Deposits 9. Pump is Pulsating 10. Auto Prime Valve is Open	1. Check the Electrical System 2. Clean Jet Filters 3. Clean In-Line Filter 4. Clear Debris 5. Check and Replace Hoses if Necessary 6. Replace Pump 7. Snap Quick Disconnects Together 8. Flush Heater with System Maintainer or Replace if Necessary 9. Check for Clogged Jets and Clean 10. Close Valve
Pump System			

11.0 Machine Wiring Diagrams

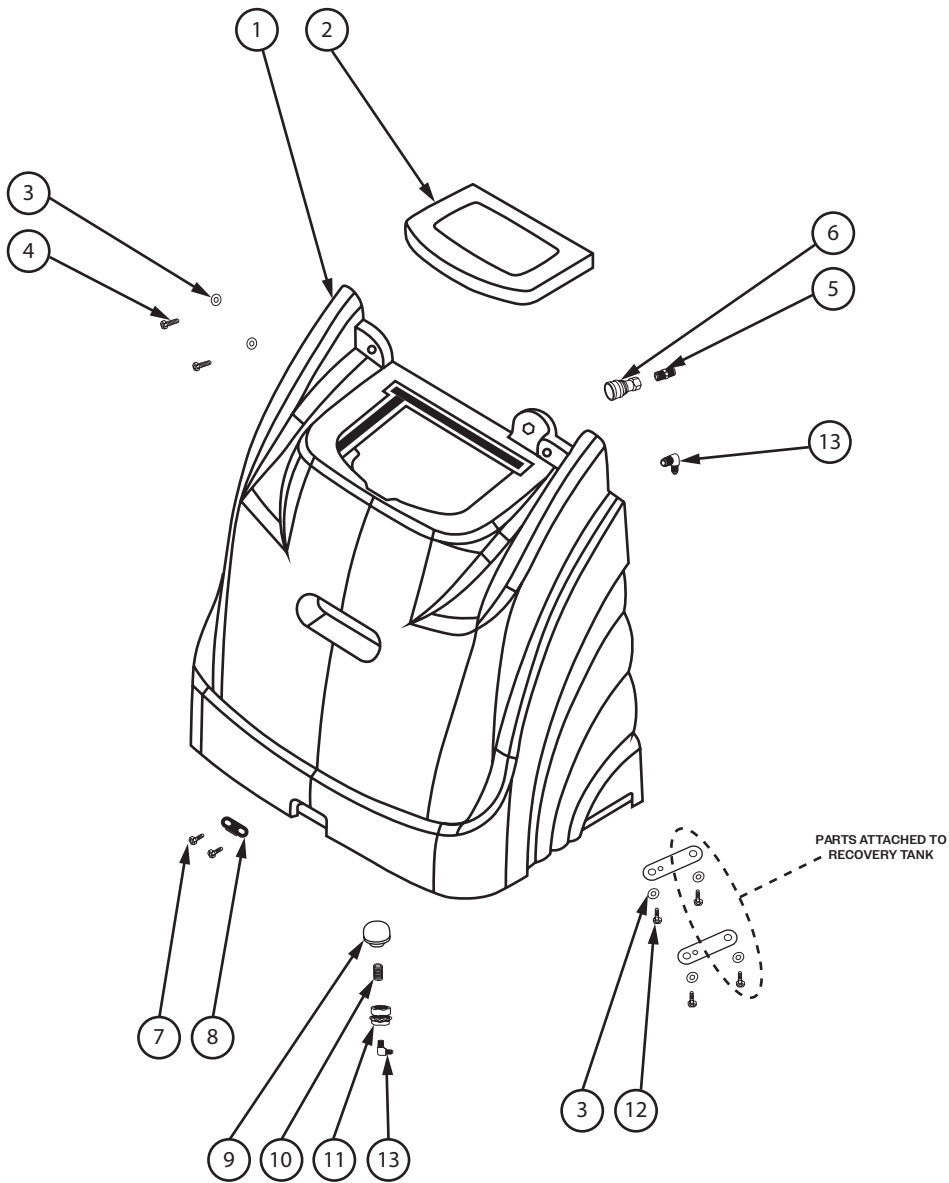
11.1 Carpet Extractor - Non-Heated Unit



11.2 Carpet Extractor - Heated Unit



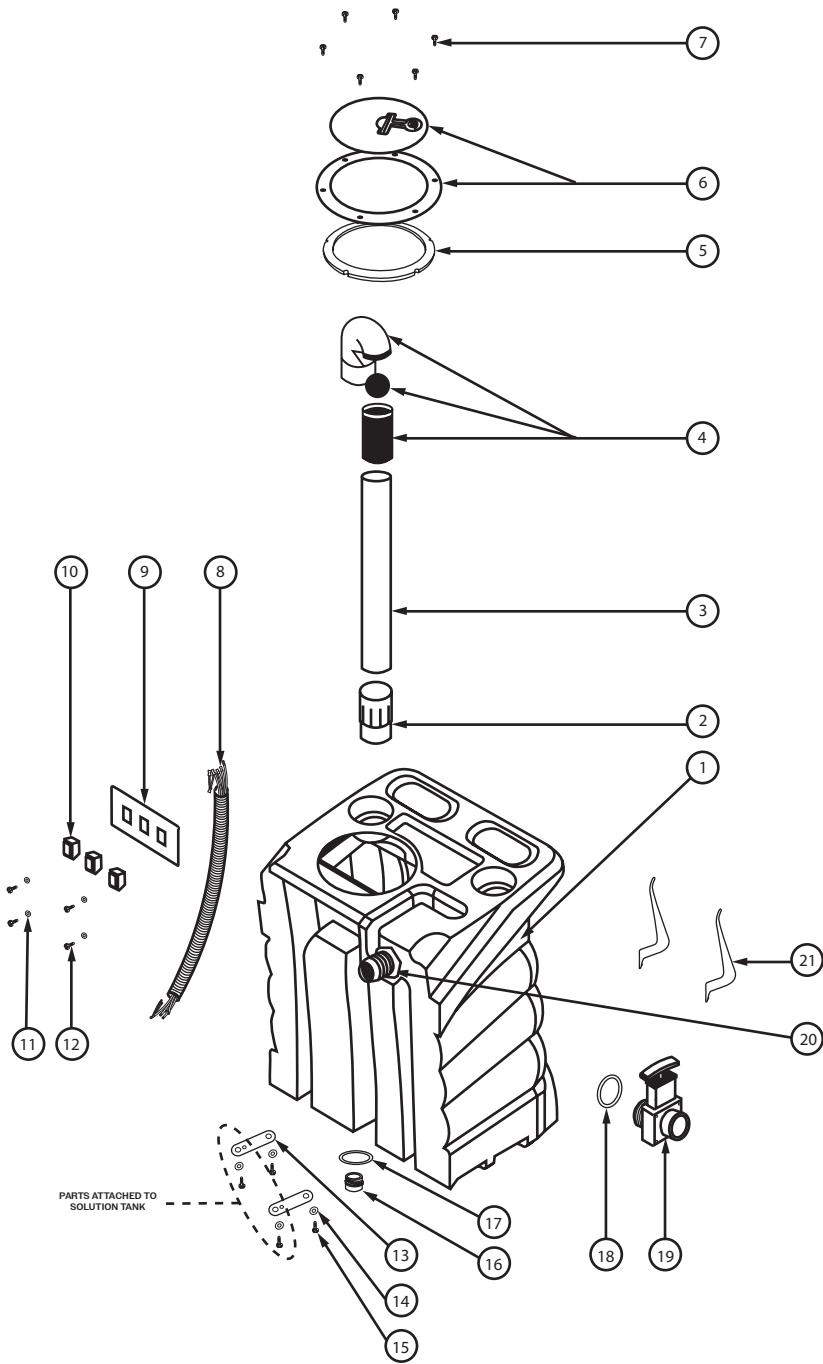
12.0 Solution Tank Schematic Drawing – Non-Heated



13.0 Solution Tank Parts List – Non-Heated

Drawing No.	Item ID	Item Description	Qty.
1	SN-12-ST-LAVEX BLUE	12-Gallon Solution Tank - Lavex Blue	1.00
2	SN-12-L-LAVEX BLUE	12-Gallon Lid - Lavex Blue	1.00
3	10-0834	Pump Flat Washer	4.00
4	10-0818	S/R Top of Tank Bolt on Extractor	2.00
5	10-0846	1/4" MPT Hex Nipple for Extractor	1.00
6	10-0868	1/4" Female QD for Extractor	1.00
7	10-0379	32 x 3/8 Screw for Extractor Latch	2.00
8	10-0400-D	Latch Keeper	1.00
9	10-0845	1/4" Strainer for Extractor	1.00
10	10-0479	1/4" Male Close Nipple	1.00
11	80-0017	Bulk Head Fitting for Extractor	1.00
12	10-0832	S/R Strap Bolts	2.00
13	10-0801-J	MJ x MP 90 Adaptor for Extractor	2.00

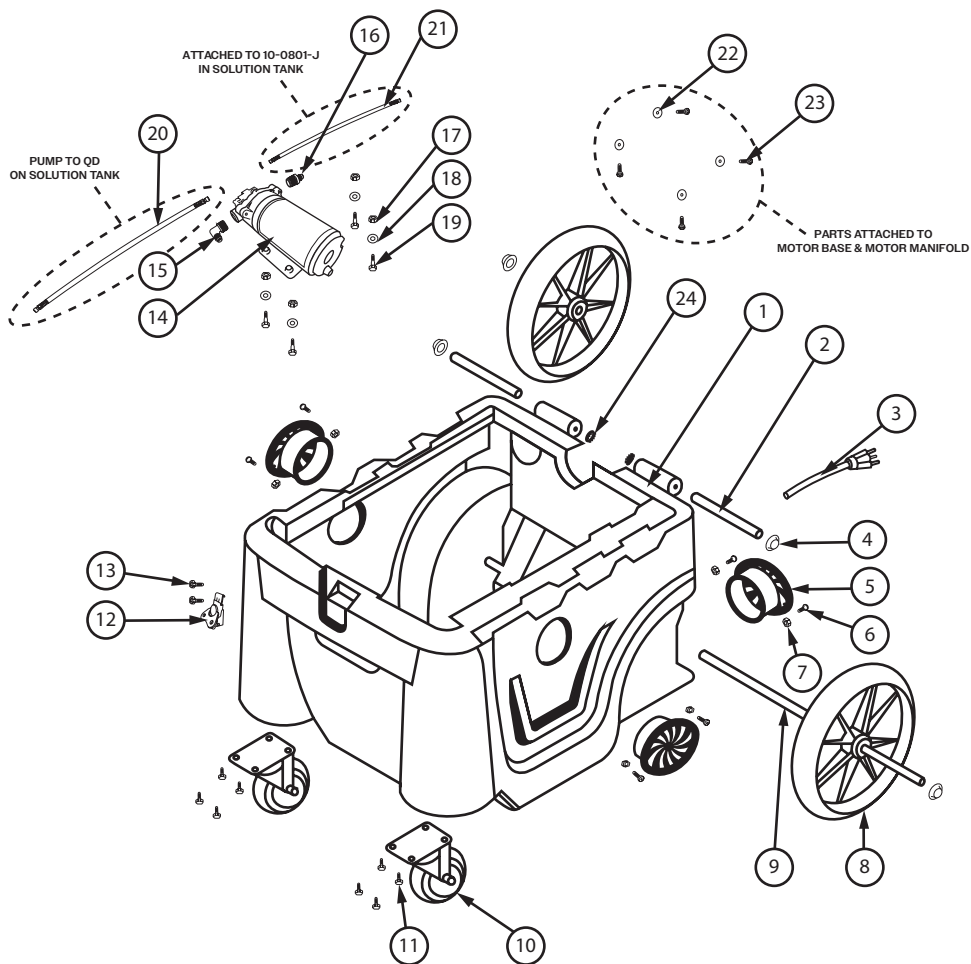
14.0 Recovery Tank Schematic Drawing – Non-Heated



15.0 Recovery Tank Parts List – Non-Heated

Drawing No.	Item ID	Item Description	Qty.
1	SN-12-RT-LAVEX BLUE	12-Gallon Recovery Tank - Lavex Blue	1.00
2	80-0008	1.5 PVC Female Adapter	1.00
3	10-0416-A	1.5" Black ABS Stand Pipe	1.30
4	80-0012	Shut-Off Assembly for Extractor	1.00
5	10-0804-A	Hatch Cover Gasket for Extractor	1.00
6	10-0804	Hatch Cover for Extractor	1.00
7	10-0419-A	Screw for Extractor Hatch	6.00
8	80-0200-A-2100	Extractor Wire Harness	1.00
9	10-0809	Extractor 3-Hole Switch Plate	1.00
10	10-0803	On/Off Switch for Extractor	3.00
11	10-0204	Motor Mount Back-Up Washer	4.00
12	10-0379	32 x 3/8 Screw for Extractor Latch	4.00
13	10-0831	S/R Bracket for Extractor	2.00
14	10-0834	S/S Pump Flat Washer	2.00
15	10-0818	S/R Top of Tank Bolt	2.00
16	10-0849	1.5" Street Male Adaptor ABS Fitting	1.00
17	10-0416-A-GASKET	Gasket for Stand Pipe	1.00
18	10-0805-GASKET	Gasket for Valterra Dump Valve	1.00
19	10-0805	Dump Valve for Extractor	1.00
20	10-0806	1.5" Grey Hose Barb Fitting for Extractor	1.00
21	CORD HOOK UPGRADE	Cord Hooks attached to Body of Extractor	1.00

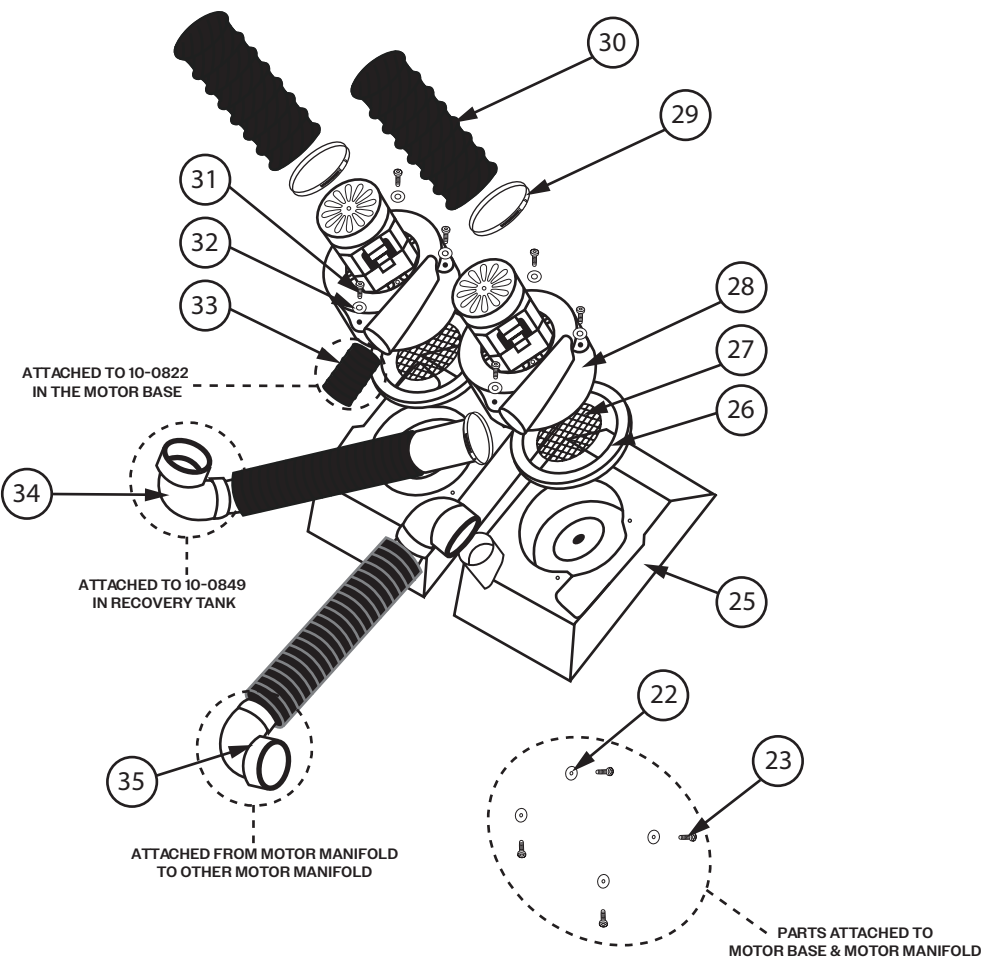
16.0 Motor Base Schematic Drawing – Non-Heated



17.0 Motor Base Parts List – Non-Heated

Drawing No.	Item ID	Item Description	Qty.
1	SN-12-MB-DRGRY	12-Gallon Motor Base - Dark Grey	1.00
2	10-0821	Extractor Hinge	2.00
3	10-0838-A	Pigtail for Extractor (1 or 2 Depending on Model)	1.00/2.00
4	10-0820	End Cap for Axle	4.00
5	10-0822	Exhaust Grate for Extractor	3.00
6	80-0022-A	Pan Head Machine Screw	6.00
7	80-0022-B	Nut for Machine Screw	6.00
8	10-0807	10" Wheel for Extractor	2.00
9	10-0836	19" Axle for Extractor	1.00
10	10-0808	Caster for Extractor	2.00
11	10-0816	Caster Bolt	8.00
12	10-0400-C	Locking Swivel Latch for Extractor	1.00
13	10-0379	8-32 x 3/8 Screw for Extractor Latch	2.00
14	10-0812	100 PSI Extractor Pump	1.00
15	10-0813-A	1/4" x 3/8" 90 Degree Brass Flare x Male Elbow	1.00
16	10-0813	1/4" x 3/8" Brass Flare x Female Coupling	1.00
17	10-0835-N	Nut for 100 PSI Pump	4.00
18	10-0834	S/S Pump Flat Washer	4.00
19	10-0835-B	Pump Bolt for Extractor	4.00
20	80-0040-53	53" Blue 3000 PSI Hose Pump (out) to Solution Tank	1.00
21	80-0040-35	35" 3000 PSI Hose Solution Tank to Pump (in)	1.00
22	10-0023	Washers for Shoulder/Waist Belt for Backpack Vacuums	4.00
23	10-0833-S	Motor Manifold Mounting Bolts - 5/8" Stem	4.00
24	10-0830	Hinge Keeper for Extractor	2.00

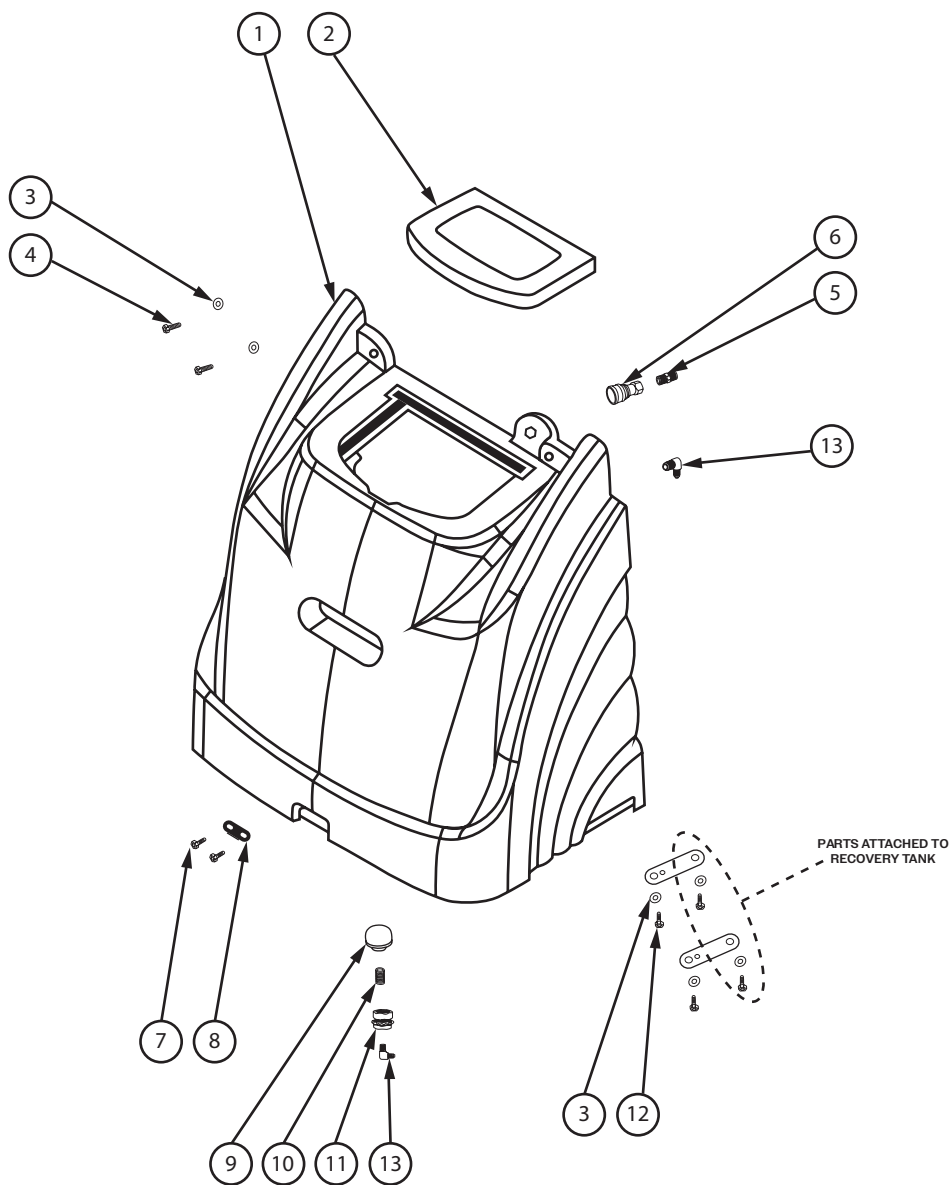
18.0 Motor Manifold Schematic Drawing – Non-Heated



19.0 Motor Manifold Parts List – Non-Heated

Drawing No.	Item ID	Item Description	Qty.
22	10-0023	Washers for Shoulder and Waist Belt for Backpack Vacuums	4.00
23	10-0833-S	Motor Manifold Mounting Bolts - 5/8" Stem	4.00
25	SN-12-MFLD	12-Gallon Motor Manifold - Black	2.00
26	10-1030-S2	2-Stage Motor Gasket	2.00
26	10-1030-S3	3-Stage Motor Gasket	2.00
27	10-0386	Stamped Motor Screen	2.00
28	10-0811	2-Stage Extractor Motor	2.00
28	10-0810	3-Stage Extractor Motor	2.00
29	10-0829	4" Cooling Duct Clamp	2.00
30	T-A001-I	Cooling Duct for Extractor	2.00
31	10-0833	Motor Manifold Bolts for 2-Stage Motor	6.00
31	10-0833-L	Motor Manifold Bolts for 3-Stage Motor	6.00
32	10-0204	Motor Mount Back Up Washer	6.00
33	80-0001	Sniper Exhaust Hose 2"	0.50
34	80-0003-D	17" Black Hose Assembly w/ 90° Fitting & Straight Cuff	1.00
35	80-0003-C	28" Black/Gray Hose Assembly w/ Cuffs	1.00

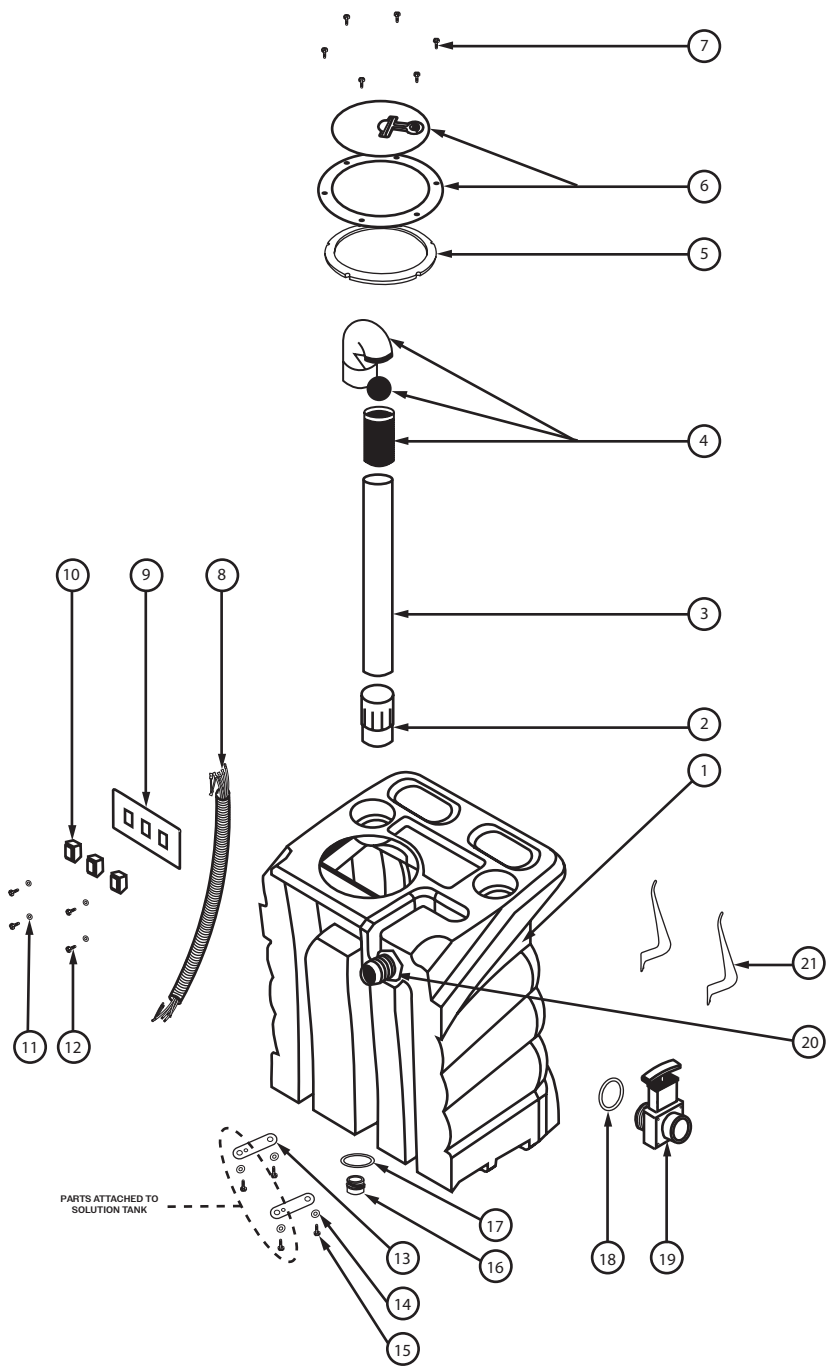
20.0 Solution Tank Schematic Drawing – Heated



21.0 Solution Tank Parts List – Heated

Drawing No.	Item ID	Item Description	Qty.
1	SN-12-ST-LAVEX BLUE	12-Gallon Solution Tank - Lavex Blue	1.00
2	SN-12-L-LAVEX BLUE	12-Gallon Lid - Lavex Blue	1.00
3	10-0834	Pump Flat Washer	4.00
4	10-0818	S/R Top of Tank Bolt on Extractor	2.00
5	10-0846	1/4" MPT Hex Nipple for Extractor	1.00
6	10-0868	1/4" Female QD for Extractor	1.00
7	10-0379	32 x 3/8 Screw for Extractor Latch	2.00
8	10-0400-D	Latch Keeper	1.00
9	10-0845	1/4" Strainer for Extractor	1.00
10	10-0479	1/4" Male Close Nipple	1.00
11	80-0017	Bulk Head Fitting for Extractor	1.00
12	10-0832	S/R Strap Bolts	2.00
13	10-0801-J	MJ x MP 90 Adaptor for Extractor	2.00

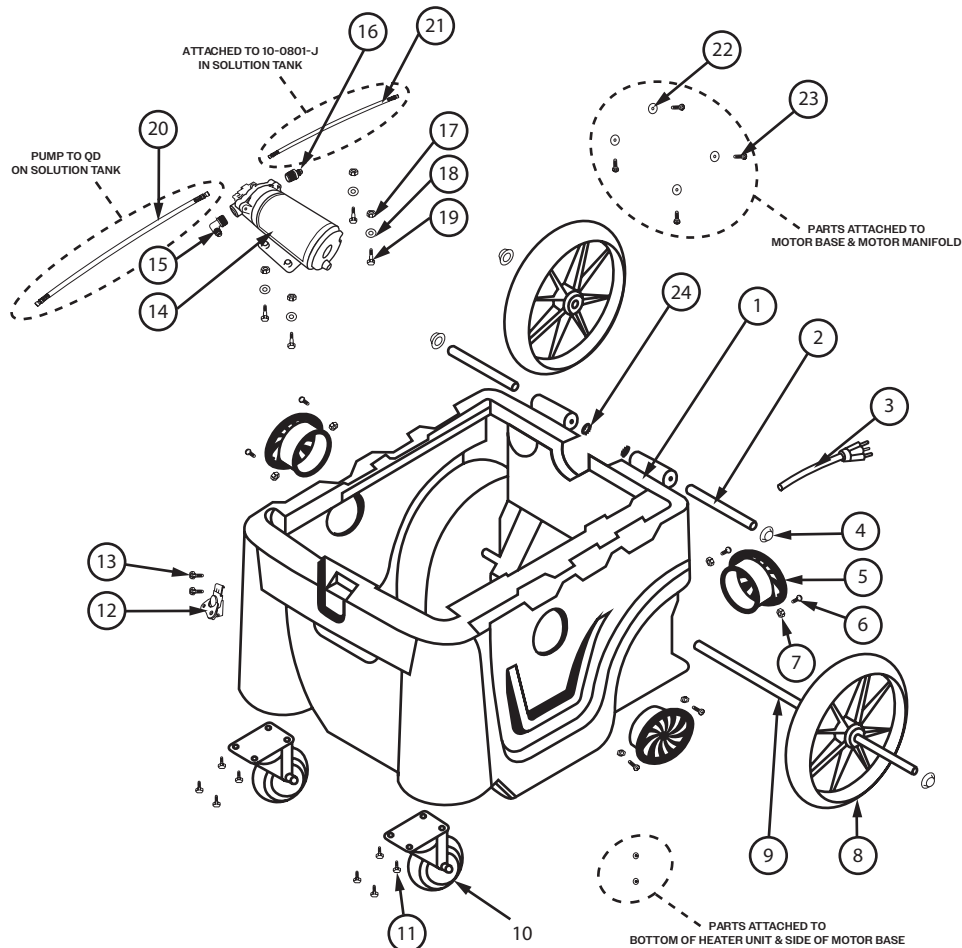
22.0 Recovery Tank Schematic Drawing – Heated



23.0 Recovery Tank Parts List – Heated

Drawing No.	Item ID	Item Description	Qty.
1	SN-12-RT-LAVEX BLUE	12-Gallon Recovery Tank - Lavex Blue	1.00
2	80-0008	1.5 PVC Female Adapter	1.00
3	10-0416-A	1.5" Black ABS Stand Pipe	1.30
4	80-0012	Shut-Off Assembly for Extractor	1.00
5	10-0804-A	Hatch Cover Gasket for Extractor	1.00
6	10-0804	Hatch Cover for Extractor	1.00
7	10-0419-A	Screw for Extractor Hatch	6.00
8	80-0200-A-2100	Extractor Wire Harness	1.00
9	10-0809	Extractor 3-Hole Switch Plate	1.00
10	10-0803	On/Off Switch for Extractor	3.00
11	10-0204	Motor Mount Back-Up Washer	4.00
12	10-0379	32 x 3/8 Screw for Extractor Latch	4.00
13	10-0831	S/R Bracket for Extractor	2.00
14	10-0834	S/S Pump Flat Washer	2.00
15	10-0818	S/R Top of Tank Bolt	2.00
16	10-0849	1.5" Street Male Adaptor ABS Fitting	1.00
17	10-0416-A-GASKET	Gasket for Stand Pipe	1.00
18	10-0805-GASKET	Gasket for Valterra Dump Valve	1.00
19	10-0805	Dump Valve for Extractor	1.00
20	10-0806	1.5" Grey Hose Barb Fitting for Extractor	1.00
21	CORD HOOK UPGRADE	Cord Hooks attached to Body of Extractor	1.00

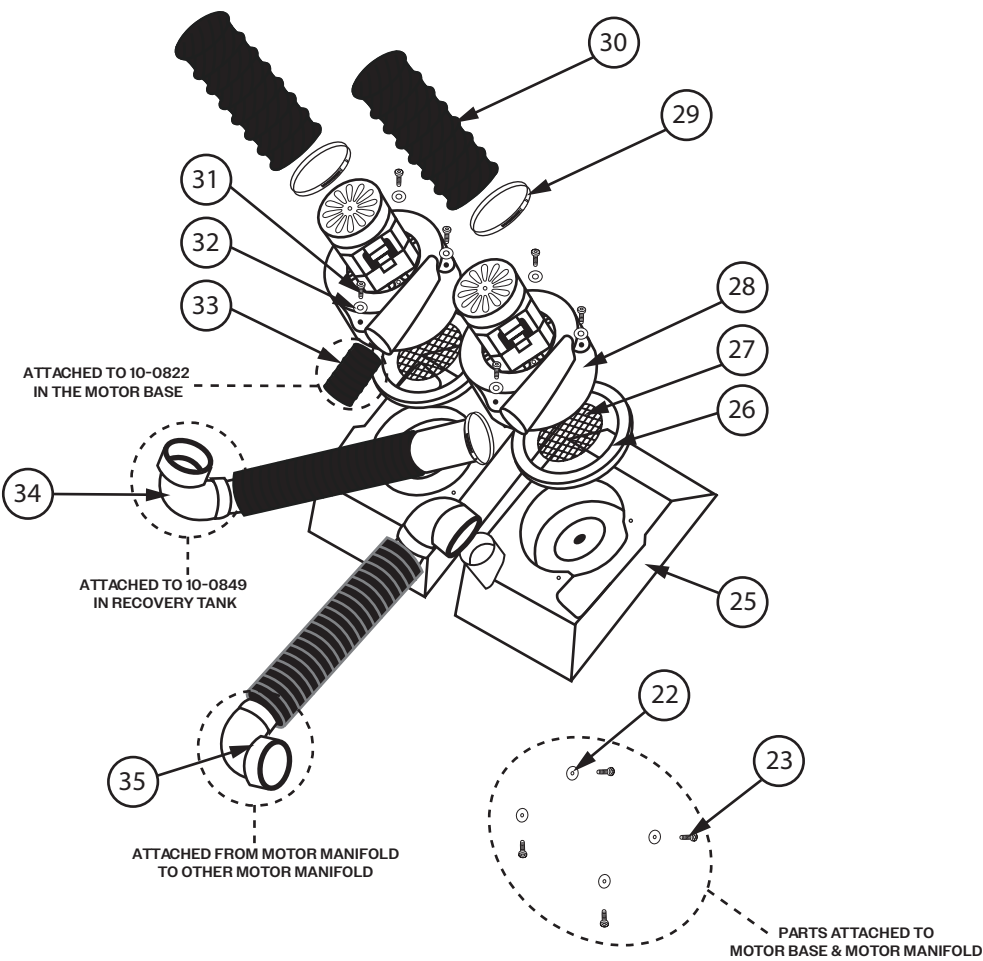
24.0 Motor Base Schematic Drawing – Heated



25.0 Motor Base Parts List – Heated

Drawing No.	Item ID	Item Description	Qty.
1	SN-12-MB-DRGRY	12-Gallon Motor Base - Dark Grey	1.00
2	10-0821	Extractor Hinge	2.00
3	10-0838-A	Pigtail for Extractor (1 or 2 Depending on Model)	1.00/2.00
4	10-0820	End Cap for Axle	4.00
5	10-0822	Exhaust Grate for Extractor	3.00
6	80-0022-A	Pan Head Machine Screw	6.00
7	80-0022-B	Nut for Machine Screw	6.00
8	10-0807	10" Wheel for Extractor	2.00
9	10-0836	19" Axle for Extractor	1.00
10	10-0808	Caster for Extractor	2.00
11	10-0816	Caster Bolt	8.00
12	10-0400-C	Locking Swivel Latch for Extractor	1.00
13	10-0379	8-32 x 3/8 Screw for Extractor Latch	2.00
14	10-0812	100 PSI Extractor Pump	1.00
15	10-0813-A	1/4" x 3/8" 90 Degree Brass Flare x Male Elbow	1.00
16	10-0813	1/4" x 3/8" Brass Flare x Female Coupling	1.00
17	10-0835-N	Nut for 100 PSI Pump	4.00
18	10-0834	S/S Pump Flat Washer	4.00
19	10-0835-B	Pump Bolt for Extractor	4.00
20	80-0040-53	53" Blue 3000 PSI Hose Pump (out) to Solution Tank	1.00
21	80-0040-35	35" 3000 PSI Hose Solution Tank to Pump (in)	1.00
22	10-0023	Washers for Shoulder/Waist Belt for Backpack Vacuums	4.00
23	10-0833-S	Motor Manifold Mounting Bolts - 5/8" Stem	4.00
24	10-0830	Hinge Keeper for Extractor	2.00

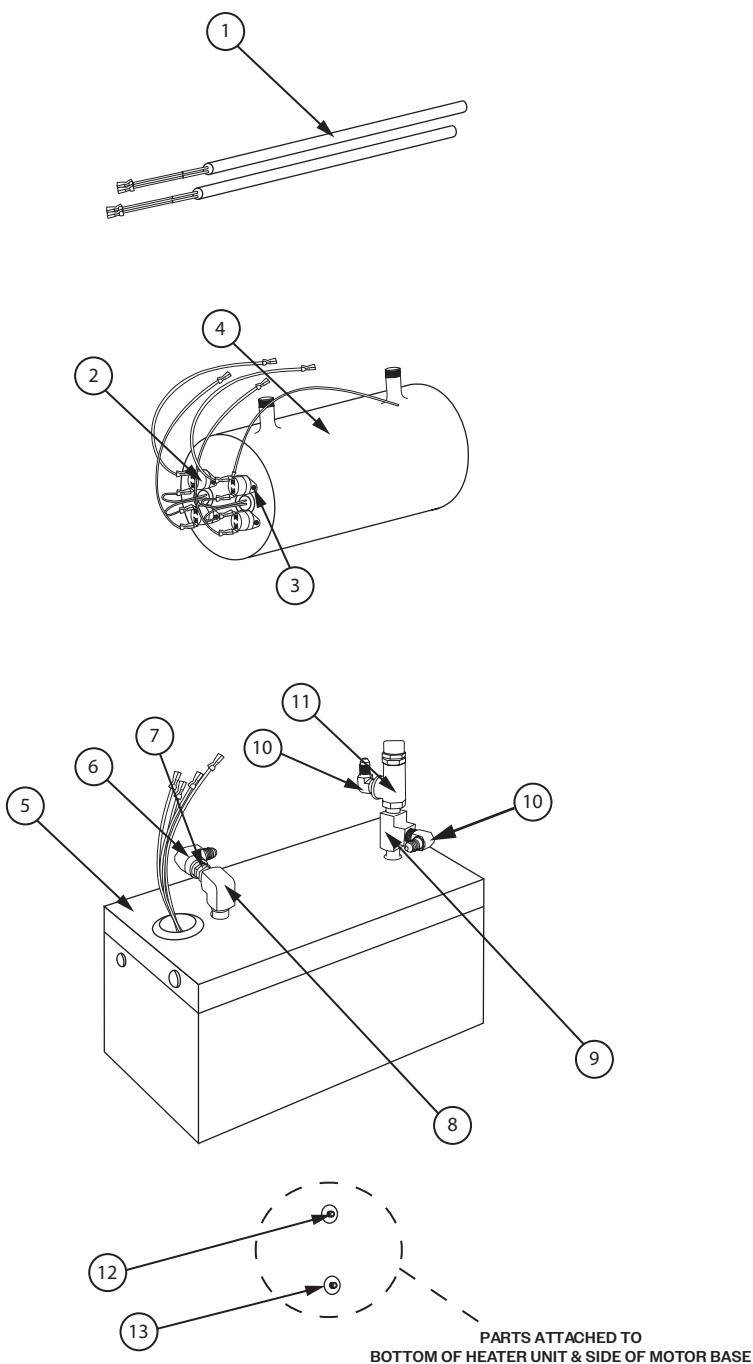
26.0 Motor Manifold Schematic Drawing – Heated



27.0 Motor Manifold Parts List – Heated

Drawing No.	Item ID	Item Description	Qty.
22	10-0023	Washers for Shoulder and Waist Belt for Backpack Vacuums	4.00
23	10-0833-S	Motor Manifold Mounting Bolts - 5/8" Stem	4.00
25	SN-12-MFLD	12-Gallon Motor Manifold - Black	2.00
26	10-1030-S2	2-Stage Motor Gasket	2.00
26	10-2030-S3	3-Stage Motor Gasket	2.00
27	10-0386	Stamped Motor Screen	2.00
28	10-0811	2-Stage Extractor Motor	2.00
28	10-0810	3-Stage Extractor Motor	2.00
29	10-0829	4" Cooling Duct Clamp	2.00
30	T-A001-I	Cooling Duct for Extractor	2.00
31	10-0833	Motor Manifold Bolts for 2-Stage Motor	6.00
31	10-0833-L	Motor Manifold Bolts for 3-Stage Motor	6.00
32	10-0204	Motor Mount Back Up Washer	6.00
33	80-0001	Sniper Exhaust Hose 2"	0.50
34	80-0003-D	17" Black Hose Assembly w/ 90° Fitting & Straight Cuff	1.00
35	80-0003-C	28" Black/Gray Hose Assembly w/ Cuffs	1.00

28.0 Heater Schematic Drawing



29.0 Heater Parts List

Drawing No.	Item ID	Item Description	Qty.
1	10-1500-A	1000 Watt Heater Element	2.00
2	10-0814	Heater Sensor	4.00
3	10-0902	Locking Nut for Heater	8.00
4	10-0920	Dual Rod Heat Exchanger Tube	1.00
5	10-0921	Aluminum Box for Dual Rod Heater	1.00
6	10-0801-I	MJ-FP 90 Hyd Adaptor	1.00
7	80-0101-M	1/4" Male Brass Check Valve	1.00
8	80-0011-2	90 Degree Street Elbow	1.00
9	80-0010	1/4" Brass Tee	1.00
10	10-0801-J	MJ x MP 90 Adaptor	1.00
11	10-0901-B	275 PSI Relief Valve for Heater	1.00
12	10-0833	Mounting Bolt	2.00
13	10-0023	Mounting Washer	2.00

LAVEX 12-GALLON CARPET EXTRACTOR

Please fill out the following information:

Model No: _____

Serial No: _____

Distributor Name: _____

Distributor Phone No: _____

Date of Purchase: _____



Phone: 717-392-7472

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