



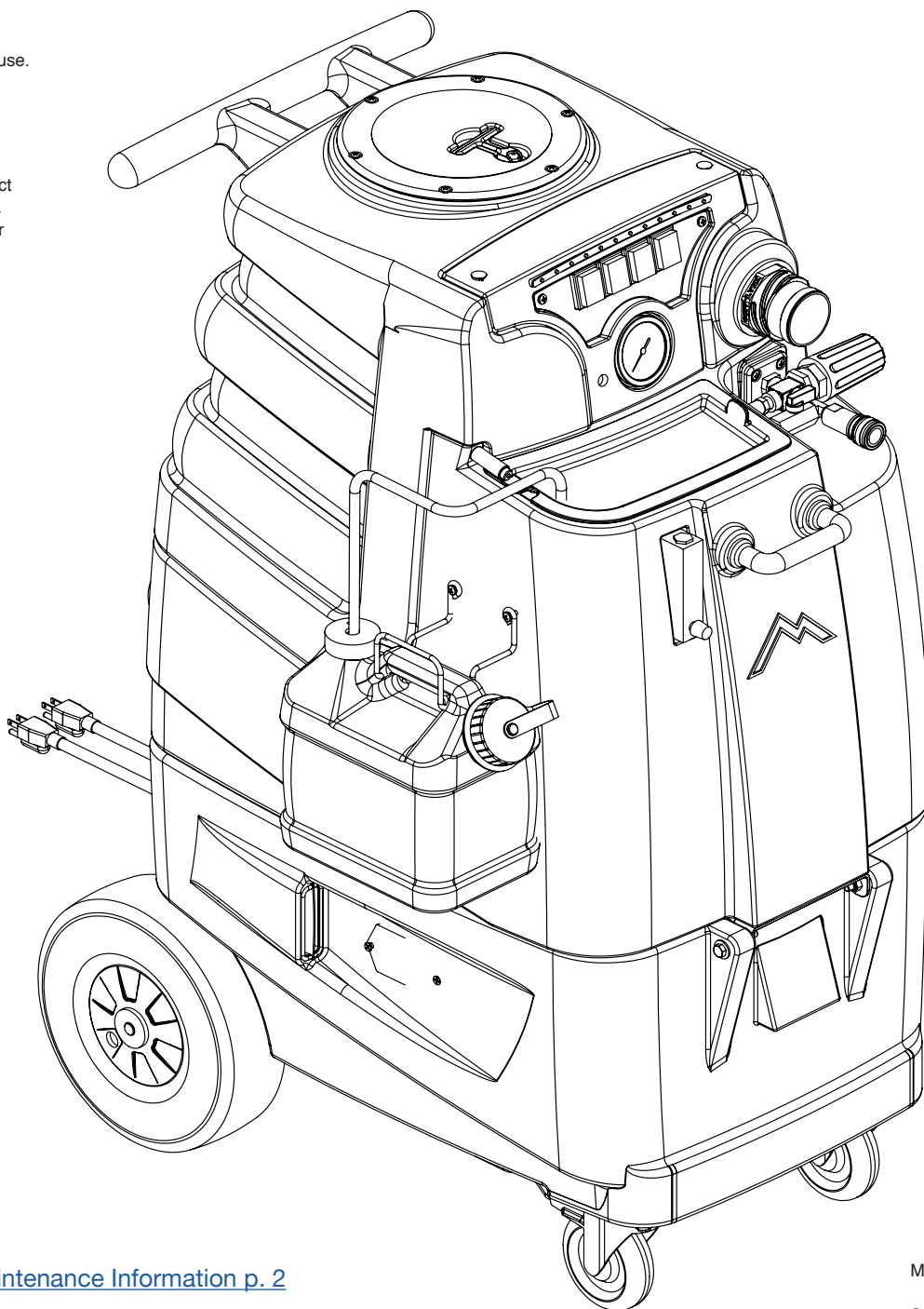
# Instructions for Speedster<sup>®</sup> LTD3, LTD5 & LTD12



Please read before use.



Register your product  
at <http://www.mytee.com/support/register>



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Model # \_\_\_\_\_

Serial # \_\_\_\_\_

Form # ADP-SLTD

7-16

# GENERAL INFORMATION

## Dear Customer:

Congratulations on the purchase of your new LTD Speedster® extractor. As technology continues to develop you can work confidently knowing that both Mytee Products Inc. and its employees are equally dedicated to developing with the industry and its advances.

Like any other piece of machinery or technology, the LTDs also requires the proper maintenance and care to keep the product working over extended use. Neglecting your machine, abusing it or not operating it properly can void its warranty and prevent the machine from performing to the quality and standard you'd expect out of the Mytee Products Inc. line.

If you have any warranty concerns or questions, please review this manual thoroughly or do not hesitate to contact your distributor. If there are questions regarding maintenance, replacement or ordering parts please contact an authorized Mytee Products Inc. Service Center. To see an updated list please visit our website at [www.mytee.com/help/service.php](http://www.mytee.com/help/service.php)

Before using your Mytee Product, please read this manually thoroughly. Sincerely,  
Mytee Customer Care Dept.

## Grounding Instructions

This machine must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed in accordance with all local code and ordinances. Do not remove ground pin; if missing, replace plug before use.



### DANGER

Improper installation of the equipment-grounding conductor can result in a risk of electric shock. Be sure to check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. If the plug will not fit in the outlet do not modify either the plug nor the machine's cord, instead have a proper outlet installed by a qualified technician.

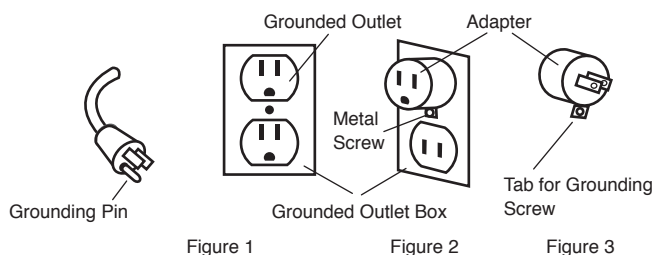
This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (Figure 1) can be installed by a qualified electrician. When and if this type of adapter is employed, screw the adapter's extended tab into place with a metal screw. However, grounding adapters are not approved for use in Canada.

Again, be sure to check the grounding pin for damages and replace if necessary.

The Green, or Green-Yellow, wire in the cord is the grounding wire. When replacing a plug, this wire must be attached to only the grounding pin.

DO NOT use extension cords.

**Please Note for America use only**



## Parts and Service

Please contact a Mytee service personnel or Mytee authorized Service Center using Mytee original replacement parts and accessories for repairs are needing to be performed. When and if calling Mytee for support, please have your Model and Serial Number available for faster assistance.

## Name Plate

The Model and Serial Number are located on the lower half of the back of the machine near the power plugs and will be required for ordering replacement parts. You can use the space provided on the front of this manual to note down both for future referencing.

## Unpacking the Machine

When your new machine is delivered, please carefully inspect both the shipping carton and the machine for damages. If damage is evident, save both the shipping carton and machine so that the delivering carrier can inspect it. Contact the carrier immediately to file a freight claim if there has been any damage.

## Caution and Warnings

### Symbols

Mytee uses the symbols below to signal potentially dangerous conditions. Always read this information carefully and take the necessary steps to protect personnel and property.



### DANGER

Is used to warn of immediate hazards that will cause severe personal injury or death.



### WARNING

Is used to call attention to a situation that could cause severe personal injury.



### CAUTION

Is used to call attention to a situation that could cause minor personal injury or damage to the machine or other property. When using an electrical appliance, basic precautions should always be followed, including the following: Read all instructions before using this machine. This product is intended for commercial use only.



### WARNING

To reduce the risk of fire, electrical shock, or injury:

1. Read all instructions before using equipment.
2. Use only as described in this manual. Use only manufacturer's recommended attachments.
3. Always unplug power cord from electrical outlet before attempting any adjustments or repairs.
4. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
5. Do not pull or carry by cord. Do not close a door on cord or pull cord around sharp edges or corners.
6. Do not run appliance over cord. Keep cord away from heated surfaces.
7. Do not use with damaged cord or plug. If cord is damaged, repair immediately.
8. Do not use outdoors or on wet surfaces and or standing water.
9. Always unplug or disconnect the appliance from power supply when not in use.
10. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
11. Do not use in areas where flammable or combustible material may be present.
12. Do not leave the unit exposed to harsh weather elements. Temperatures below freezing may damage components and void warranty.
13. Use only the appropriate handles to move and lift unit. Do not use any other parts of this machine for this purpose.
14. Keep hair, loose clothing, fingers, and all parts of the body away from

# GENERAL INFORMATION

all openings and moving parts.

15. Use extra care when using on stairs.
16. To reduce the risk of fire or electric shock, do not use this machine with a solid-state speed control device.
17. The voltage and frequency indicated on the name plate must correspond to the wall receptacle supply voltage.
18. When cleaning and servicing the machine, local or national regulations may apply to the safe disposal of liquids which may contain: chemicals, grease, oil, acid, alkalines, or other dangerous liquids.
19. Do not leave operating unattended.

## Preparation

1. Remove furniture and other items from the area you are going to clean.
2. Vacuum carpet and upholstery, and remove debris.
3. Protect cabinets, walls and painted surfaces with drop cloths or plastic.
4. Inspect power cords for damages.

## Operating Instructions

1. Fill the solution tank.
2. Attach female end of a solution hose to a wand or other tool and the male end to the LTD's Quick Disconnect (QD).
3. Attach one end of a vacuum hose to a wand or other tool and the other end to the LTD's 2" Cuff-Lynx vacuum hose ports.
4. Plug in power cords:

LTD3/5/12 Model: Using two separate circuits/breakers, plug in the grounded power cables as previously instructed using the appropriate grounding techniques.

The LED light strip will illuminate and sound a tone when plugged into separate circuits/breakers.

2. When the hoses are attached, turn on Pump-Out switch.
3. The Prime Valve and Pressure Regulator are located on the front right side of the solution tank and should be primed prior to use. To prime the pump turn the valve to the Prime position for 30 seconds, and then turn horizontally to the Run position.
4. Pull your wand's trigger to ensure water is running through the lines to avoid damage to the Pump and Heating unit (LTD3).
5. (LTD3) The heater switch has three positions: Off (Middle); 1,000 watts using 1 heater (Top); 600 watts & 1,600 watts using 2 heaters (Bottom) If the water heater is to be used, prime system and turn it on to the desired wattage and wait five minutes for the water to reach temperature.
6. To clean, make two dry passes for every one wet pass while working away from the power cords. For optimal use or heavily soiled areas, repeat wash steps in the opposite direction.
7. To prevent motor or internal damage, use a preferred foam control solution in the recovery tank. Remember to check for build-up in both the recovery and solution tanks! When using auto-fill, make sure the pump-out is ON while in-use.
8. Empty the Recovery Tank whenever you need to refill solution. Attach the 45° drain elbow to the drain spout located in the back and lift the dump valve to empty the tank.
9. Squeeze the wand or tool's trigger for five seconds after turning the power switches off to relieve any existing line pressure.
10. When the machine is off: unplug the power cables, remove solution and vacuum hoses, and empty the recovery tank by attaching the 45° drain elbow.
11. To empty the solution tank, twist off the solution tank drain cap located on the back of the machine.

## After Use

1. Before storing the machine, drain, rinse and dry both the tanks and vacuum hoses of any residual water or solution.
2. Store standing upright in a dry, enclosed location.
3. Leave the recovery tank lid open for better air circulation.
4. If storing in freezing temperatures, take extra precautions to make sure the machine and solution systems are completely drained and dry.

## Maintenance Schedule

Latches are located in the back to open the tank for internal maintenance. To keep machine in good working condition, follow the below recom-

mended daily and weekly maintenance procedures. Relief valves should be replaced annually.

Maintenance item	Daily	Once a week
Clean and inspect tanks.	x	
Clean and inspect hoses.	x	
Check and clean internal filters by twisting off, rinsing with clean water and replacing.	x	
Check power supply cable.	x	
Clean machine with all-purpose cleaner and cloth.	x	
Check spray nozzles.	x	
Flush solution system with Mytee® System Maintainer.		x
Remove and float shut-off screen from tank and clean. Simply pull off.		x
Inspect vacuum hoses for holes and loose cuffs.		x
Inspect spray pattern for clogging. If clogged, remove spray tips and soak them in a recommended liquid neutralizer for up to six hours. To remove spray tip, twist spray tip body counter-clockwise.		x
Lubricate wheels with water resistant oil.		x
Inspect machine for water leaks and loose hardware.		x

## Oil Maintenance

Each machine using the General Pump Head will need its first oil change within 50-100 hours of use, then every three months for 500 hours after that. Regular lubrication is the easiest, most efficient and least expensive element in preventative maintenance according to the manufacturer, General Pump.

Required Equipment:

1. 9/16" Wrench or socket.
2. 7/8" Socket with ratchet to fit.
3. 11 oz SAE 30w Oil
4. Oil catch pan capable of holding 11 oz of oil (Height ≤ 2")
5. Oil funnel capable of fitting oil port on top of General Pump head brass tee (3/8" diameter)
6. Flash light (Optional)

Instructions:

1. Cover ground with cardboard or any available scrap material to prevent unwanted spills and stains.
2. Slide ≤ 2" oil catch pan under the ball valve located under the bottom front of the machine and to the left of the solution tank drain.
3. Release the two rear latches by turning its wings to the left then open top half of the machine completely to expose the main pump.
4. Remove the 9/16" oil cap from the brass tee on top of the General Pump head.
5. Unscrew then 7/8" oil plug from under the machine until finger loose.
6. Once the oil has stopped or slowed to a few drips, replace the lower oil plug then tighten it with a 7/8" socket.
7. Using a funnel, pour 11oz of SAE 30w oil into the top of the General Pump head through the brass tee.
8. Use a flashlight to check the side of the General Head to ensure the oil level reaches the midpoint of the view glass. Add or remove oil as needed.
9. Replace the 9/16" plug on top of the brass tee using a wrench or socket.
10. Close the machine and re-latch its rear to avoid any separation during transport.
11. Dispose of any old oil and continue normal use of the machine.

## Filter Maintenance

All LTD models have six filters that need to be checked and cleaned after each week of use. Regular filter maintenance is a simple way to extend the life of your machines.

## Vacuum Stack Filters:

Located inside of the black vacuum tank are two pvc vacuum stacks. Each stack has one foam filter to help prevent waste material from getting into

# GENERAL INFORMATION

the vacuums and cause damage. To maintain these filters:

1. Remove the 7" clear vacuum lid.
2. Reach in and pull out the two black filters located in the top of the vacuum stacks.
3. Clean the filters under a faucet of any debris and check for damage. If the filters are not damaged, place them back in the stacks. If filters are damaged and falling apart, replace them.

## Pump-Out Filters

The pump-out filter is located on the inside bottom of the black vacuum tank. It is recognizable by its cylindrical shape. To maintain filter:

1. Remove the 7" clear vacuum tank lid.
2. Reach in and unthread the cylindrical filter by rotating it counter clockwise. A flashlight may be needed to locate the filter.
3. Once the filter is out, slide off foam sleeve that surrounds the wire screen. Check for debris and damage. Rinse filter of any debris or replace if damaged.
4. Place filter back into vacuum tank by rotating it clockwise onto the brass nipple.

## Pump Filters

The pump is a half-circle shaped screen located on the inside bottom of the blue solution tank. To maintain filter:

1. Open black solution tank lid.
2. Reach into solution tank and rotate the dome-shaped filter from its brass nipple by rotating it counter clockwise.
3. Check filter for any debris or damage to screen. Rinse filter of any debris or replace if damaged.
4. Place new or cleaned filter back onto brass nipple by rotating it clockwise.

## Auto-Fill Solenoid Filter

The solenoid filter is located inside of the auto-fill solenoid, which is inside the base of the machine. The filter will be connected to the auto-fill male QD that extends from the back of the machine. To maintain the filter:

### Required Tools:

7/8" Wrench or crescent wrench.  
3/4" Wrench

1. Open the machine by undoing the rear latches and rocking the top of the unit forward until it is resting on the ground and the internals of the base are exposed.
2. Locate the solenoid attached to the rear auto-fill and pump-out plate.
3. Place the 7/8" wrench or crescent wrench on the rear part of the solenoid closest to the inside of the auto-fill plate to help prevent rotation during steps 4 & 6.
4. Use the 3/4" wrench to loosen the 3/4" plug on the front of the solenoid.
5. Remove the solenoid screen and check for any debris or damage to screen. Rinse the screen of any debris or replace if damaged.
6. Replace the 3/4" brass plug and screen then you can continue use as normal.

## Oil Vent Solenoid Filter

The oil vent's solenoid filter is located on top of the general pump head inside the base of the machine. It will be connected to the brass tee coming out of the oil fill hole. To maintain filter:

### Required Tools:

7/8" Wrench or crescent wrench.  
3/4" Wrench

1. Open the machine by undoing the rear latches and rocking the top of the unit forward until it is resting on the ground and the internals of the base are exposed.
2. Locate the solenoid attached to the brass tee on top of the pump head.
3. Place the 7/8" wrench or crescent wrench on the rear part of the solenoid closest to the inside of the auto-fill plate to help prevent rotation during steps 4 & 6.
4. Use the 3/4" wrench to loosen the 3/4" plug on the front of the solenoid.

5. Remove the solenoid screen and check for any debris or damage to screen. Rinse the screen of any debris or replace if damaged.
6. Replace the 3/4" brass plug and screen then you can continue use as normal.

## Troubleshooting

### There is no power.

1. Plug power cord(s) in proper outlet(s).
2. If using two cords, make sure each is plugged into a separate circuit.
3. Check circuit breaker and reset if tripped. There should not be any additional items in use on the same circuit as the machine and the outlet must be a 20-amp circuit.

### LTD Float Switch Maintenance

Each LTD machine contains two water level float switches. These float switches control specific functions of the machine. The first float switch will control the auto-fill feature while the second float switch controls power to the vacuums. These levers prevent water from getting into the vacuum stacks and spilling out from the solution tank.

## Auto-Fill Float Switch Maintenance and Replacement

Cleaning and maintaining float switches will help extend the life your machine. Regular cleaning is required for proper functionality. To clean auto-fill level switch:

1. Open the black lid on the blue solution tank.
2. Use a flashlight to locate the auto-fill tank's float switch, which is on the back wall of the blue tank about 5" from the bottom of the tank.
3. Once located, reach in and hold the float switch finger all the way to one side by pushing on the opposite side.
4. Using your other hand, or finger, roll the clip off of its tabs by pulling on the bottom of the opposite tab from which you are pushing. It should not take a lot of pressure to remove the switch, so be careful not to break it.
5. Check the float finger and where it attaches for debris or any other damage and if dirty, clean. If one of the male tabs where the float hooks is damaged, refer to the float switch replacement section.
6. Once cleaned, replace the float finger flat side down onto the male position tabs located on the float switch neck in the vacuum tank. First, hook one loop of the finger on one tab then roll and pull the other tab with your index finger until it snaps back into place.
7. Check to ensure the float switch still works by turning on both vacuums with the vacuum tank lid off. Reach inside and lift the float finger. If vacuums turn off, the float works. If the vacuums stay on, the float body may need replacing, or the float finger is installed upside down.

### Auto-fill Float Switch Replacement

#### Required:

-Colored tape  
-New float switch, rubber washer, and plastic nut  
-Silicone  
-Medium/deep depth 13/16" socket and ratchet  
-Medium crescent wrench

1. In a clear and open space, lay down a piece of cardboard or scrap material.
2. Undo rear latches of LTD machine by turning them counter clockwise
3. Open the machine until it is resting on the scrap material previously placed on the floor, which will help minimize scratching and damage to the front of the LTD machine.
4. Locate auto-fill float switch wires coming out of the blue solution tank and disconnect the two float switch wires that are plugged into the system. At this point, use the colored tape to mark the wires that the float switch was unplugged from.
5. Close the machine halfway by setting the handle on a 5-gallon bucket or stand of similar height.
6. Locate the position of the float switch inside of the solution tank on the back wall of the tank.
7. Once located, reach in and hold the float switch lever all the way to one side by pushing on the opposite side.
8. Using your other hand, or finger, roll the clip off of its tabs by pulling on the bottom of the opposite tab from which you are pushing. It should not

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take a lot of pressure to remove the switch, so be careful not to break it.

9. Place the medium crescent wrench on the back nut of the float switch and the 13/16" socket on its inside nut. Loosen the float by rotating the ratchet counter clockwise until completely loose. Make sure not to lose any nuts or rubber washers in case they are needed in the future.

10. On the new float switch, hold the float switch lever all the way to one side by pushing on the opposite side.

11. Using your other hand, or finger, roll the clip off of its tabs by pulling on the bottom of the opposite tab from which you are pushing. It should not take a lot of pressure to remove the switch, so be careful not to break it

12. Place the rubber washer over the threads of the new switch and all the way down to the 13/16" nut side.

13. Place a thin layer of silicone on the rubber washer where it will be contacting the solution tank wall.

14. Thread float switch-with actuating finger off-wires back through vacuum tank hole and thread it in using the 13/16" socket. Make sure the wires go down into the base of the machine.

15. Using your hand, thread the plastic nut onto the back side of the float switch placing the medium crescent wrench on the nut to hold in place

16. Tighten the 13/16" float until snug. Make sure flat side of the float body is facing towards the top of the solution tank.

17. Replace float finger, flat side down, onto the male position tabs located on the float switch body in the vacuum tank. First, hook one side of the finger to one tab. Then roll and pull the tab with index finger until other clip snaps into place.

18. Locate auto-fill float switch wires coming out of the blue solution tank into the machine. Re-connect the two-float switch wires to the previously marked wires. It will not make a difference which wires you plug into each port, just make sure both wires are reconnected.

19. Close the machine and relatch.

20. Check to ensure the float still works by hooking up the auto-fill feature like normal. Turn on water. Reach inside and lift the float finger. If water stops coming into the tank, the float works. If the water keeps pouring in, float finger may be installed upside down or wires may not be connected completely.

## Pump does not work properly

1. Snap quick disconnects firmly together.
2. Check solution tank; may be empty.
3. Jets clogged, remove jet and flush clean.
4. Filters clogged, remove filters and rinse clean with water.
5. Heater is blocked; flush out with Mytee's® System Maintainer.
6. If brass check valve is stuck, replace valve.
7. Check pump wire. May need to reconnect wire.
8. Switch plate may need to be replaced.
9. If pump motor brushes are worn, replace pump.

## Speedster® LTD3 heater does not work properly

1. If sensor mounted on the heater has popped, reset sensor by pushing in button.
2. Heating element may need to be replaced.

## Vacuum motor does not work properly

1. Check that hose is tightly connected.
2. Close drain hose valve completely.
3. Secure the vacuum tank tightly.
4. If water is coming out of the vacuum motor, use a low foaming detergent.
5. Clean upholstery tool or floor wand jets.

## LTD3 Specifications

<b>Solution Tank</b>	11 gallons (approx.)
<b>Recovery Tank</b>	11 gallons (approx.)
<b>Vacuum</b>	Dual 3-stage low amp
<b>CFM</b>	200
<b>Water Lift</b>	130"
<b>Max. Pump PSI</b>	500

<b>Pump GPM</b>	1.5
<b>Pump-Out GPM</b>	3.3
<b>Heater</b>	1,600W - 210° max.
<b>Power Consumption</b>	Cord 1: 20 amps @ 115V 60Hz Cord 2: 20 amps @ 115V 60Hz
<b>Machine Weight</b>	145 lbs.
<b>Machine Dimensions</b>	30" x 20" x 42"
<b>Power Cord</b>	Dual 50' 12/3 extension cords

## LTD3 230V Configuration Information

<b>Model Number</b>	LTD3-230
<b>Power Consumption</b>	Cord 1: 10 amps @ 230V 60Hz/50Hz Cord 2: 9 amps @ 230V 60Hz/50Hz

## LTD5 Specifications

<b>Solution Tank</b>	11 gallons (approx.)
<b>Recovery Tank</b>	11 gallons (approx.)
<b>Vacuum</b>	Dual 3-stage high performance
<b>CFM</b>	230
<b>Water Lift</b>	144"
<b>Max. Pump PSI</b>	500
<b>Pump GPM</b>	1.5
<b>Pump-Out GPM</b>	3.3
<b>Power Consumption</b>	Cord 1: 20 amps @ 115V 60Hz Cord 2: 14 amps @ 115V 60Hz
<b>Machine Weight</b>	135 lbs.
<b>Machine Dimensions</b>	28" x 18.5" x 39"
<b>Power Cord</b>	Dual 50' 12/3 extension cords

## LTD5 230V Configuration Information

<b>Model Number</b>	LTD5-230
<b>Power Consumption</b>	Cord 1: 10 amps @ 230V 60Hz/50Hz Cord 2: 7 amps @ 230V 60Hz/50Hz

## LTD12 Specifications

<b>Solution Tank</b>	11 gallons (approx.)
<b>Recovery Tank</b>	11 gallons (approx.)
<b>Vacuum</b>	Dual 3-stage low amp
<b>CFM</b>	200
<b>Water Lift</b>	130"
<b>Max. Pump PSI</b>	900
<b>Pump GPM</b>	2.1
<b>Pump-Out GPM</b>	3.3
<b>Power Consumption</b>	Cord 1: 20 amps @ 115V 60Hz Cord 2: 15 amps @ 115V 50Hz
<b>Machine Weight</b>	184 lbs.
<b>Machine Dimensions</b>	28" x 18.5" x 39"
<b>Power Cord</b>	Dual 50' 12/3 extension cords

## LTD12 230V Configuration Information

<b>Model Number</b>	LTD12-230
<b>Power Consumption</b>	Cord 1: 8 amps @ 230V 60Hz/50Hz Cord 2: 6 amps @ 230V 60Hz/50Hz

# GENERAL INFORMATION

## FAQs

Q: What comes standard with Speedster® LTDs?

A: Two 50' power cords, hose hanger with screws, two Cuff-Lynx™ Model Numbers: H141 Reducer and H110 Coupler Swivel, pack of Piglets™ and 45° drain elbow.

Q: Does Mytee® recommend tools for this machine?

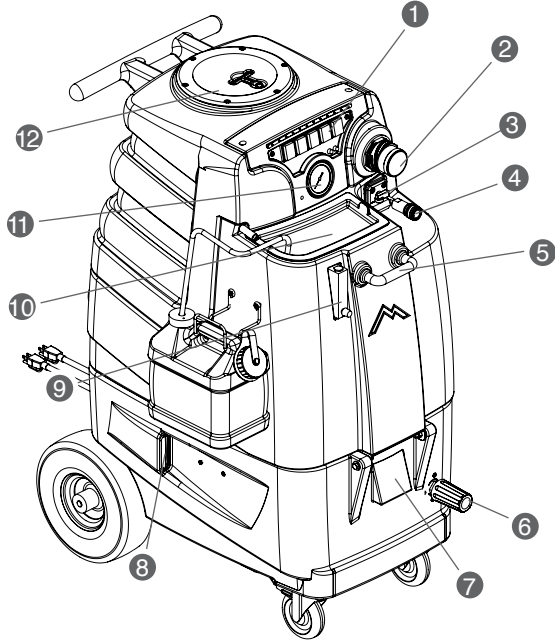
A: All upholstery tools and wands can be used with the Speedster® LTD series.

Q: Is there anything I can do to increase the expected life of my machine?

A: Running the vacuum motors with the tank empty and lid off will allow excess moisture in the vacs to dry off. You should also run Mytee's® System Maintainer through the system to keep the hoses, pump, and heater clean and free of debris.

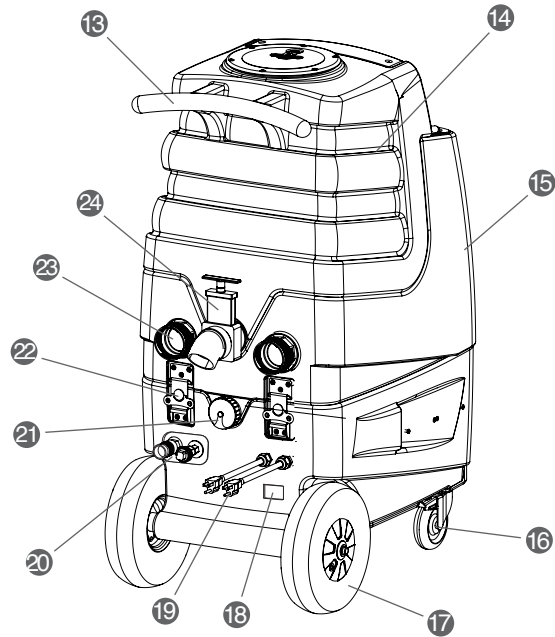
# SPEEDSTER® LTD3

## SPEEDSTER® LTD3 FRONT



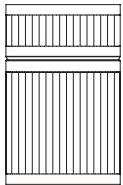
- |                                 |                      |
|---------------------------------|----------------------|
| 1. Switch Plate                 | 7. Front Fan         |
| 2. 2" Male Cuff-Lynx™ Inlet     | 8. Side Vents        |
| 3. Prime Valve                  | 9. Chemical Metering |
| 4. Female Quick Disconnect (QD) | 10. Solution Lid     |
| 5. Front Handle                 | 11. PSI Gauge        |
| 6. Pressure Regulator           | 12. Recovery Lid     |

## SPEEDSTER® LTD3 BACK

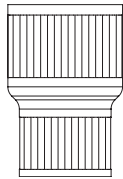


- |  |  |
|--|--|
| 13. Push Handle                              | 19. Power Cords                            |
| 14. Recovery Tank                            | 20. Auto Fill/Pump Out<br>Hose Connections |
| 15. Solution Tank                            | 21. Solution Tank Drain                    |
| 16. 4" Locking Casters                       | 22. Service Latches                        |
| 17. 10" Foam Filled<br>Semi-Pneumatic Wheels | 23. Rear Vacuum Exhaust                    |
| 18. Hour Meter                               | 24. Recovery Tank Drain Valve              |

## SPEEDSTER® LTD3 ITEMS INCLUDED



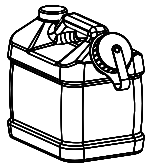
H110 Cuff-Lynx™  
2" x 2" Hose Adapter



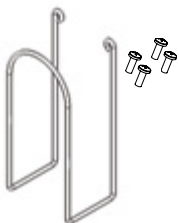
H141 Cuff-Lynx™  
2" x 1.5" Hose Reducer



G008 Pack of Piglet™  
filters



P535 5 qt. Chemical Bottle



H375 Hose Hanger  
(4) screws

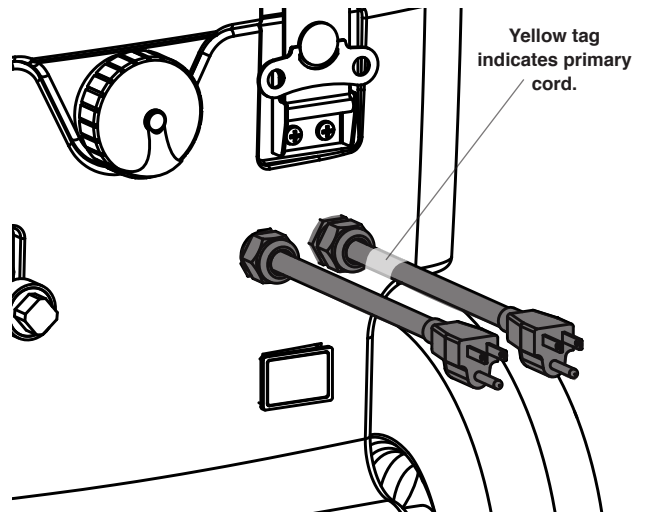


H226 Drain Elbow

## POWER CORDS

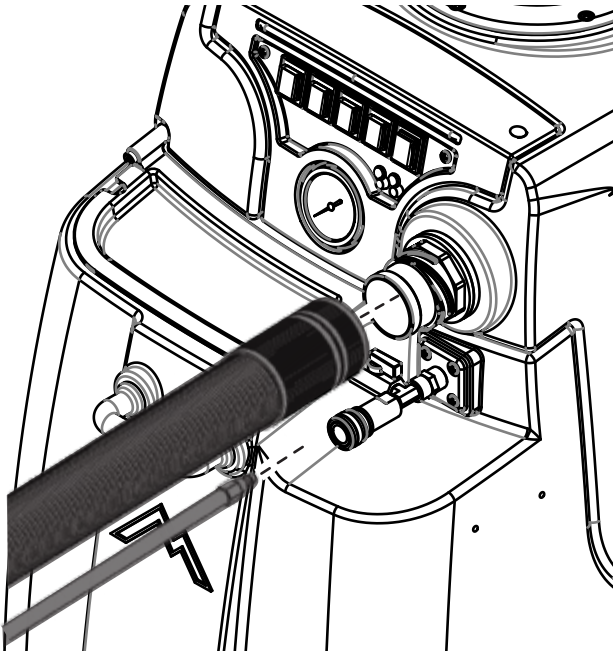
**(Primary) Right Cord:** Plug in yellow-tagged power cable for Power To Vac 1, Pump, & 600W Heater.

**(Secondary) Left Cord:** Plug in power cable for Vac 2, Pump-Out & 1,000W Heater.



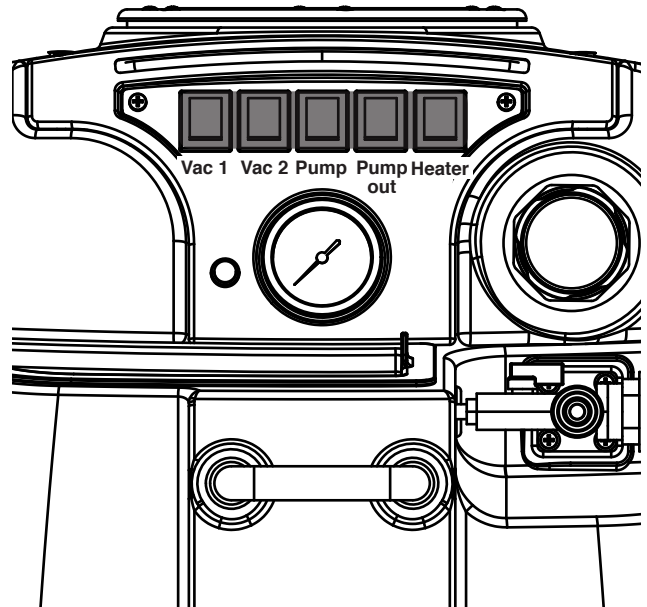
Plug each power cord into a separate, 20A grounded wall outlet. **Outlets must be on two separate breakers.** When the amber light on the switch plate illuminates and the audible tone sounds, the machine is on separate circuits (not necessarily 20A circuits). You can identify the primary cord by the yellow tag.

**VACUUM AND SOLUTION HOSE CONNECTIONS**



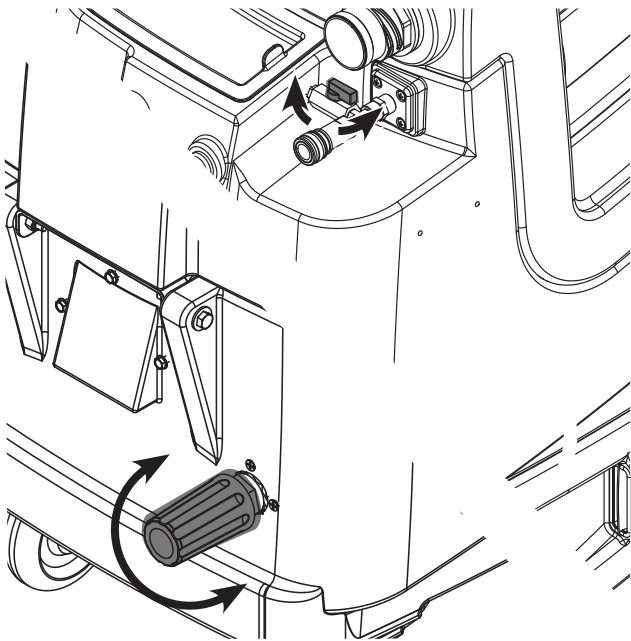
Attach female end of a solution hose to a wand or tool and the male end to the LTD's QD. Then connect a vacuum hose to a wand and the 2" male Cuff-Lynx™ hose port. (If using the optional de-foamer, install the kit onto the vacuum port according to the instructions that come with the de-foamer kit.)

**SWITCH PLATE**



To use vacuum, turn on Vac 1 and Vac 2. To use pump, turn on Pump. To use pump-out, turn on Pump-Out switch. To use Heater, turn on Heater. Release tool trigger. Wait 8 – 10 minutes for unit to pre-heat. Once heated, re-key upholstery tool until hot water begins flowing. Once hot water is flowing, release trigger and pre-heat an additional 4 – 5 minutes.

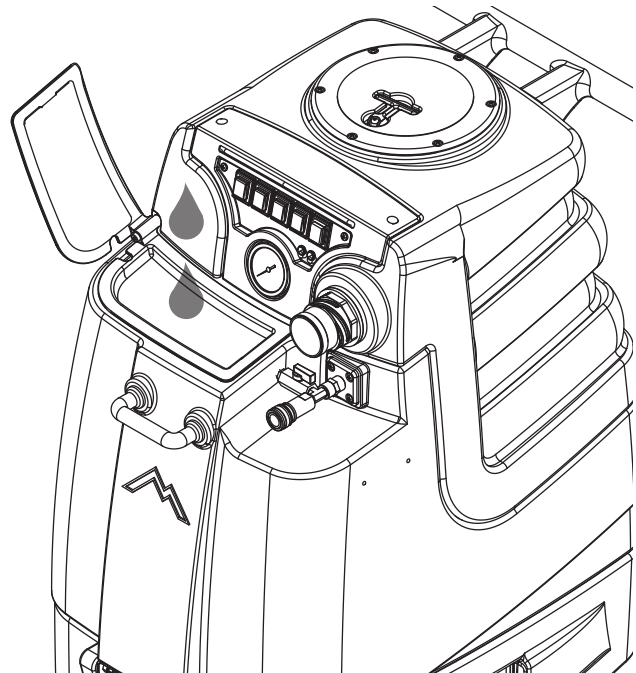
**PRIME VALVE & PRESSURE REGULATOR**



Prime the pump by having the Prime Valve parallel with its pipe and turn it clock-wise to run the pump. Turning the Pressure Regulator to its left will decrease water pressure and turning to the right will increase water pressure.

\*Please refer to the Pressure Gauge to monitor your water pressure.

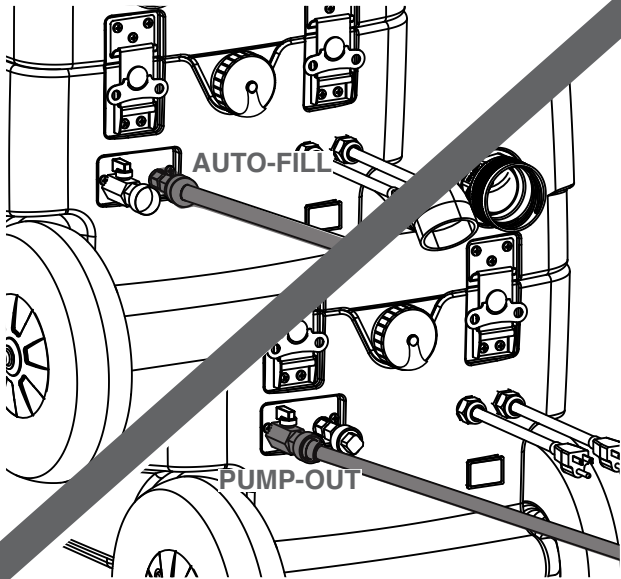
**FILLING THE SOLUTION TANK**



You can lift the lid to manually fill the tank or follow the "Operating Instructions" for auto-fill use. **IMPORTANT: Before refilling solution tank, make sure the recovery tank is empty.**



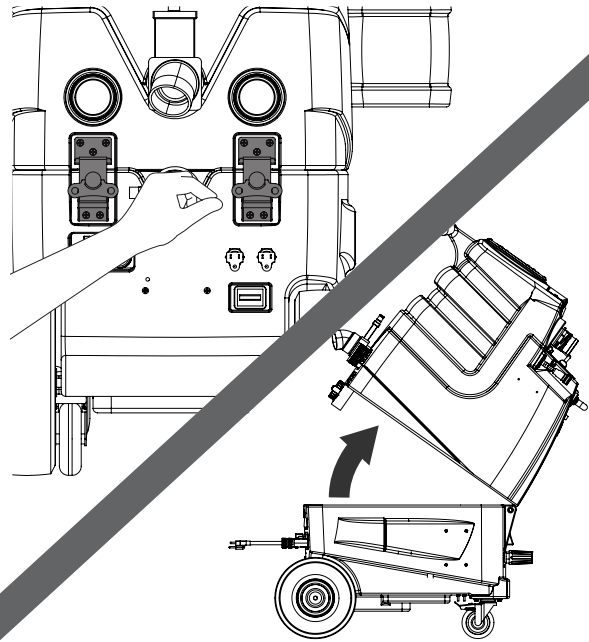
## AUTO-FILL & PUMP-OUT CONNECTIONS



**Auto-fill:** Connect standard garden hose from water source to LTD auto-fill connection. Turn on the water source and let the tank begin to fill. It will shut off when the water level reaches the LTD's electronic float switch.

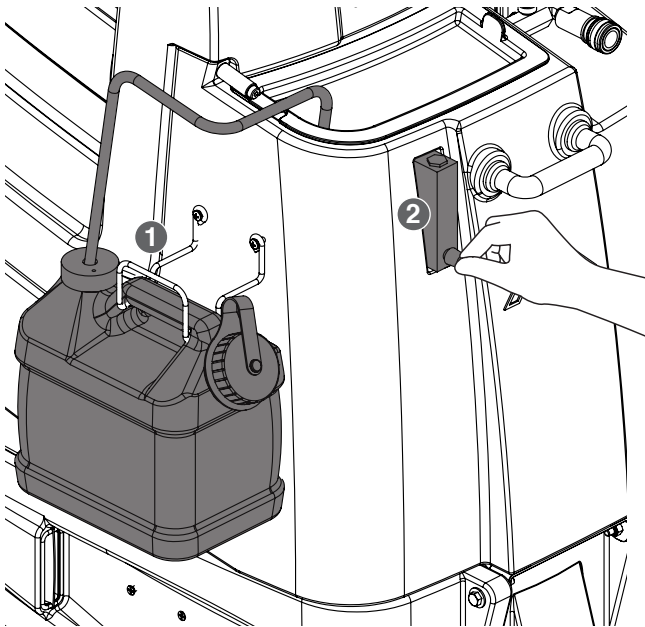
**Pump-out:** Connect a second standard garden hose to the LTD's pump-out connection and lay the other end of the hose in a drainable location. Activate the pump-out switch on the front of the machine and open the ball valve on the pump-out connection. The LTD will automatically drain recovered water from the tank.

## OPENING THE MACHINE



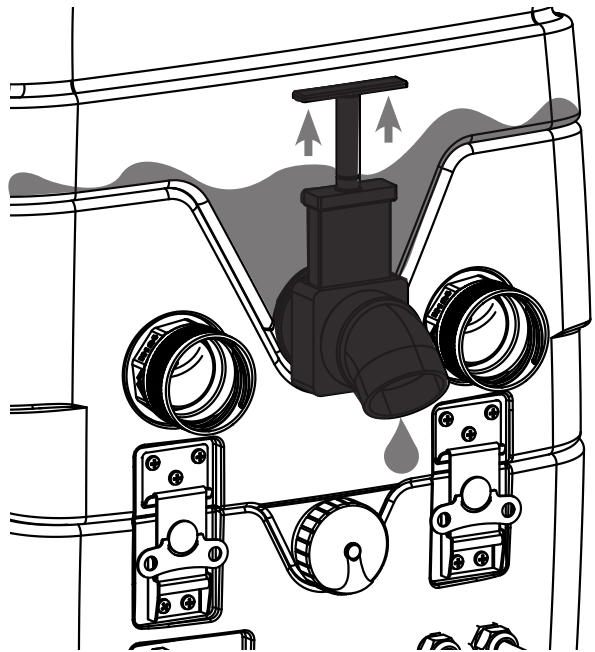
To open the Speedster® LTD, loosen the rear latches by turning them one quarter turn counter-clockwise. Flip the latches down and then lift up on the push handle and the machine will open up.

## CHEMICAL METERING



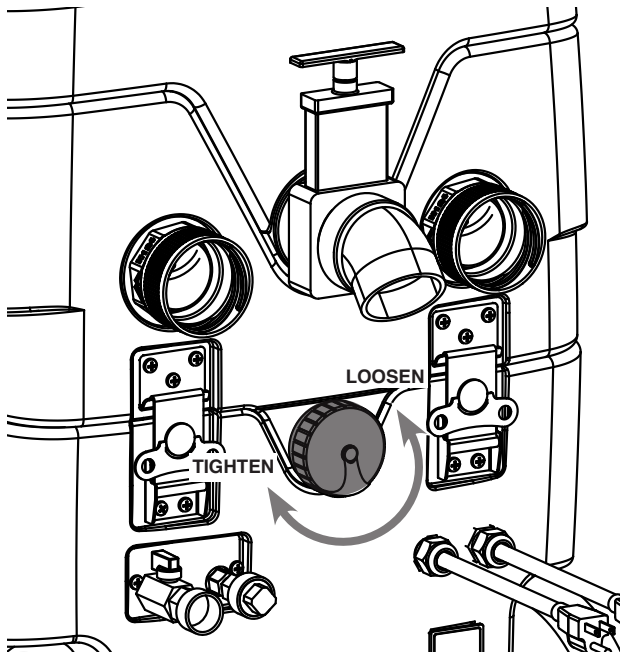
Connect garden hose to auto-fill. (1) Hang the included chemical bottle (part # P535) from the side of the machine and fill it with the desired chemical concentrate. (2) Set meter to desired ratio. Meter is measured in GPH (Gallons Per Hour), which indicates how many gallons per hour of concentrated chemical will be metered. Begin running the machine. Chemical will only be injected as the tank fills through the auto-fill.

## EMPTYING THE RECOVERY TANK



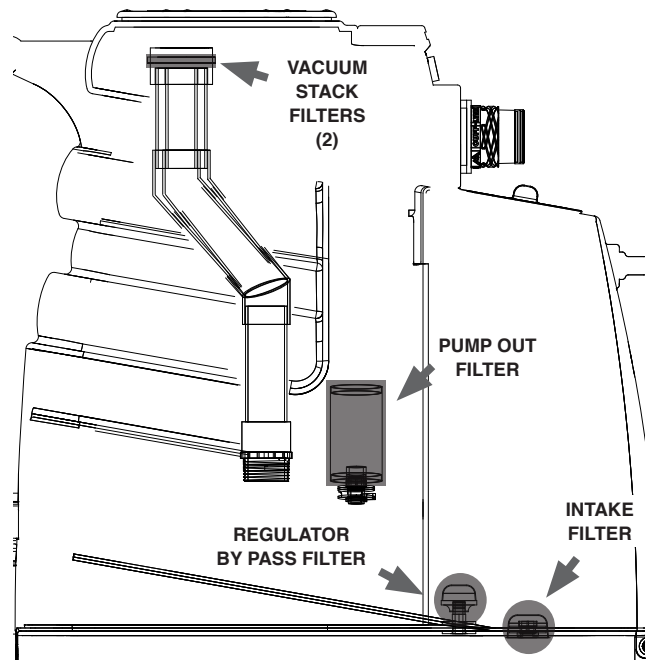
Make sure the Auto Pump-Out is turned off and then locate and lift the bucket high drain valve on the rear of the LTD unit to empty the tank.

## SPEEDSTER® LTD3 SOLUTION TANK DRAIN VALVE



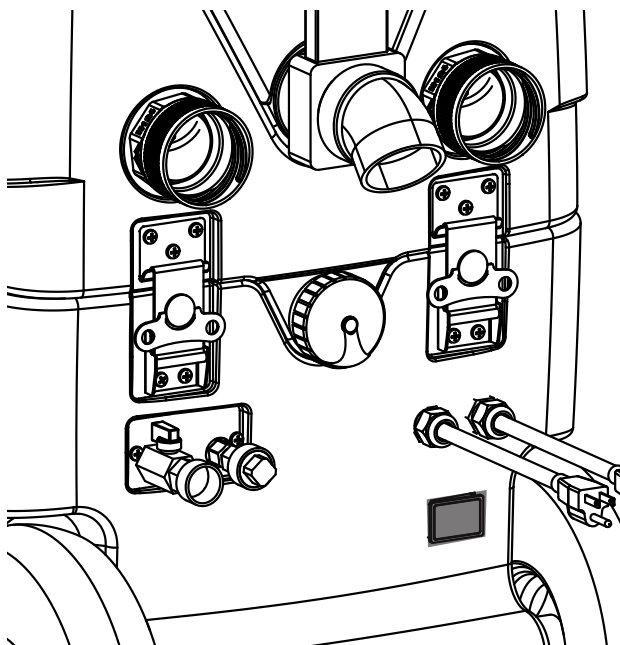
To remove any remaining water in the solution tank, located on the back of the unit is a cap, twist and remove cap to empty tank.

## FILTER MAINTENANCE



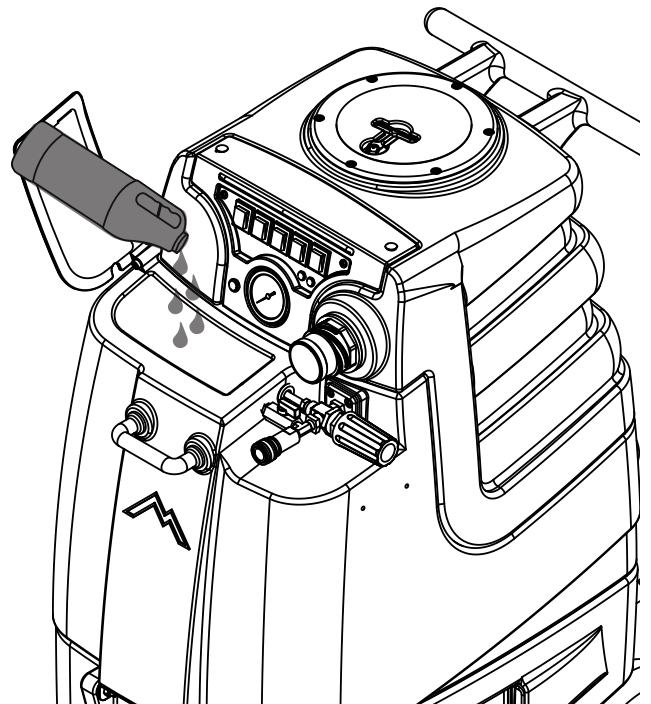
The LTD's five internal filters must be cleaned regularly and are located in the locations listed in the following diagram. Twist the filters to remove them then clean and replace in original locations. If a filter is torn or damaged, replace with a new one.

## PUMP HOUR METER



The hour meter activates when the pump is turned on. This helps monitor usage and when to make oil changes. Refer to p. 3 for oil maintenance instructions.

## MYTEE® SYSTEM MAINTAINER



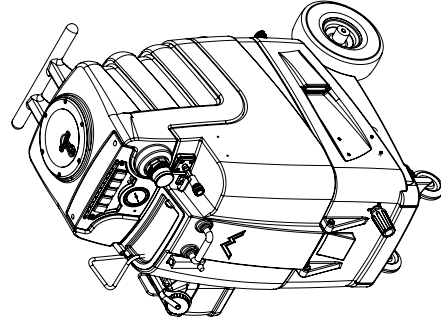
Weekly flushing of the solution system with Mytee® System Maintainer helps keep lines clean and prevents chemical build-up, improving pump life, performance, and pressure.

# SPEEDSTER® LTD3 PARTS & PRICING

ITEM NO.	PART NO.	DESCRIPTION	QTY.	MSRP	ITEM NO.	PART NO.	DESCRIPTION	QTY.	MSRP
1	B140	adapter, brass, 1/2" bore x 3/8" i/w, bolt end	3	\$3.49 ea	133	A926	elbow, inlet assembly, Z	1	\$15.99 ea
2	B173	female, 1/2" brass	8	\$0.99 ea	134	H226	spoil, diam. 45 degree	1	\$3.19 ea
3	PH15-37	sol hose, 1/2", 304SS, black	1	\$8.99 ea	135	H225	valve, diam. 1-1/2"	1	\$20.99 ea
4	H212	feed, washer, 7/16" ID x 1 1/4" O.D., ANH80C/16	2	\$0.99 ea	136	H333	mesh filter, carlo dump, 1/2" mp	1	\$12.99 ea
5	B199	coupler, 1/2" bp x 1/4" fl	3	\$8.99 ea	137	H303	vac support, 3 Hoge, 3.25" no head	6	\$3.99 ea
6	B444	adapter, brass, 1/2" bore x 1/4" fl	2	\$2.49 ea	138	C004	gasket, vacuum motor	2	\$8.99 ea
7	PH15-9	sol hose, 1/2", 304SS, black	1	\$8.99 ea	139	PH128-7	vac hose, Z, block, wire reinforced	2	\$8.99 ea
8	C381	pump out, 1.5lv	1	\$18.79 ea	140	H217	clamp, hose, 2 1/4" dia	4	\$1.49 ea
9	H184	screw, 10-32 x 3/4, flat top full thread	10	\$0.99 ea	141	H194	coupler, Z, deck 2.5" length, 1/5	2	\$10.00 ea
10	H210	washer, 1/4" fl, 1/5	28	\$0.99 ea	142	C002A	vac motor, 3 stage, low amp	2	\$139.99 ea
11	H273	nut, hex, 1/2" 10-32 zinc	20	\$0.99 ea	143	H096	tee, brass, 1/4" fl	6	\$0.99 ea
12	H109	wash, 1/2", form filled	2	\$7.99 ea	144	B113	bol, 1/4-20 x 1/4" fl	1	\$4.99 ea
13	H042	c-clip, 1/2mm, external	2	\$0.99 ea	145	B443	adapter, brass, 3/8" mp x 1/4" mp	1	\$4.99 ea
14	H222	cone, 19.40" x .50"	1	\$9.99 ea	146	B207	elbow, brass, 90 deg, 1/4" fl x 1/4" fl	1	\$5.99 ea
15	PS14	vent, 50w, LTD	2	\$5.00 ea					
16	H468	cover, 4", black tub & groy head	2	\$19.49 ea					
17	H442	bol, 1/4-20 x 1" hex head, 1/5	8	\$0.99 ea					
18	H216	nut, lock, 1/4-20, nylon insert 1/5	14	\$0.99 ea					
19	B103	elbow, brass, 90 deg, 1/4" mp x 1/4" fl	5	\$4.49 ea					
20	H044	bracket, regulator, panel mount	1	\$27.99 ea					
21	B127	plug, brass, 1/4" mp, hex	1	\$0.99 ea					
22	C313C	regulator, 450 psi, silver spring	1	\$58.99 ea					
23	B136	elbow, brass, 90 deg, 1/4" mp x 1/4" mp	1	\$4.99 ea					
24	AH184	hose, 3/8" x 1/4" (Z) OAL, 1	1	\$27.99 ea					
25	PH14-23	sol hose, 1/4", silicone braided, clear	1	\$6.49/ft					
26	B109	female, 1/4" brass	3	\$0.99 ea					
27	B109	adapter, brass, 1/4" bore x 1/4" mp	2	\$1.99 ea					
28	PS11	LX series base	4	\$196.99 ea					
29	H022	bol, 1/4-20 x 1/4" hex head	4	\$8.49 ea					
30	B452	elbow, brass, 90 deg, 3/8" mp x 1/4" mp	2	\$4.49 ea					
31	B259A	sol hose, 1/4", 1/2" 1/2"	3	\$15.99 ea					
32	B260A	sol hose, 1/4", 1/2" 1/2"	3	\$8.99 ea					
33	AH105	hose, 3/8" x 1/4" 1/2"	7	\$31.99 ea					
34	B107	nickel, brass, 1/4" m, hex	4	\$8.99 ea					
35	B186	elbow, brass, 90 deg, 3/8" mp x 1/4" mp	3	\$3.19 ea					
36	B105	burning, brass, 1/2" mp x 1/4" mp	4	\$8.99 ea					
37	PH15-8	sol hose, 1/2", silicone braided, clear	1	\$8.99 ea					
38	C313A	parm. CAT, 50-500 PSI, 120' dew	1	\$699.99 ea					
39	PH15-26	sol hose, 1/2", 304SS, black	1	\$8.99 ea					
40	AH146	brch, form	1	\$4.99 ea					
41	H466	screw, 10-32 x 1/2" phi pan head, 1/5	22	\$1.99 ea					
42	H200	bracket, 7/8" x 1/4" head	2	\$1.99 ea					
43	C045	controller, decolight	1	\$42.99 ea					
44	H221	nut, lock, 1/2" head	2	\$1.99 ea					
45	H220	fling, iron metal, cord	2	\$3.19 ea					
46	H220	power cord, 30', 12/3, black	2	\$11.49 ea					
47	E509	hose, male, coupler, 304	2	\$3.99 ea					
48	E508	sol hose, 1/2", 304, 1/2"	2	\$3.99 ea					
49	B208	sol hose, 1/2", 304, 1/2"	2	\$3.99 ea					
50	B204	sol hose, 1/2", 304, 1/2"	2	\$3.99 ea					
51	B466A	bol, valve, 1/2" m, 1/2"	1	\$14.49 ea					
52	H009	plug, brass, 1/4" m, 1/2"	1	\$9.99 ea					
53	H311	screw, 10-32 x 1/2" phi pan head, 1/5	2	\$0.99 ea					
54	H328	bracket, tractor, coupler, 2000psi	2	\$29.99 ea					
55	AH156	hose, 3/8" x 1/4" (ZAL), 1.5 lbs, 5000 Gpm	1	\$49.99 ea					
56	E571	regulator, 1000 PSI, 1/50	2	\$17.99 ea					
57	E571	regulator, 1000 PSI, 1/50	2	\$17.99 ea					
58	H274	screw, 10-32 x 1/2" phi pan head, 1/5	10	\$0.99 ea					
59	E573	regulator, 2000 PSI, 1/50	1	\$16.49 ea					
60	E571	regulator, 1000 PSI, 1/50	1	\$17.99 ea					
61	H055A	heating, aluminum cast, single	2	\$18.99 ea					
62	B129	nut, hex, 1/2" m, 1/2" m	2	\$1.99 ea					
63	H225	flowmeter, electric, 1/2" m	1	\$189.99 ea					
64	C089	gasket, flow meter	2	\$0.99 ea					
65	C085	cap, 2.5" threaded, laminated	2	\$3.49 ea					
66	B117	strainer, with check, chemical reactor	1	\$18.99 ea					

### ITEMS NOT SHOWN

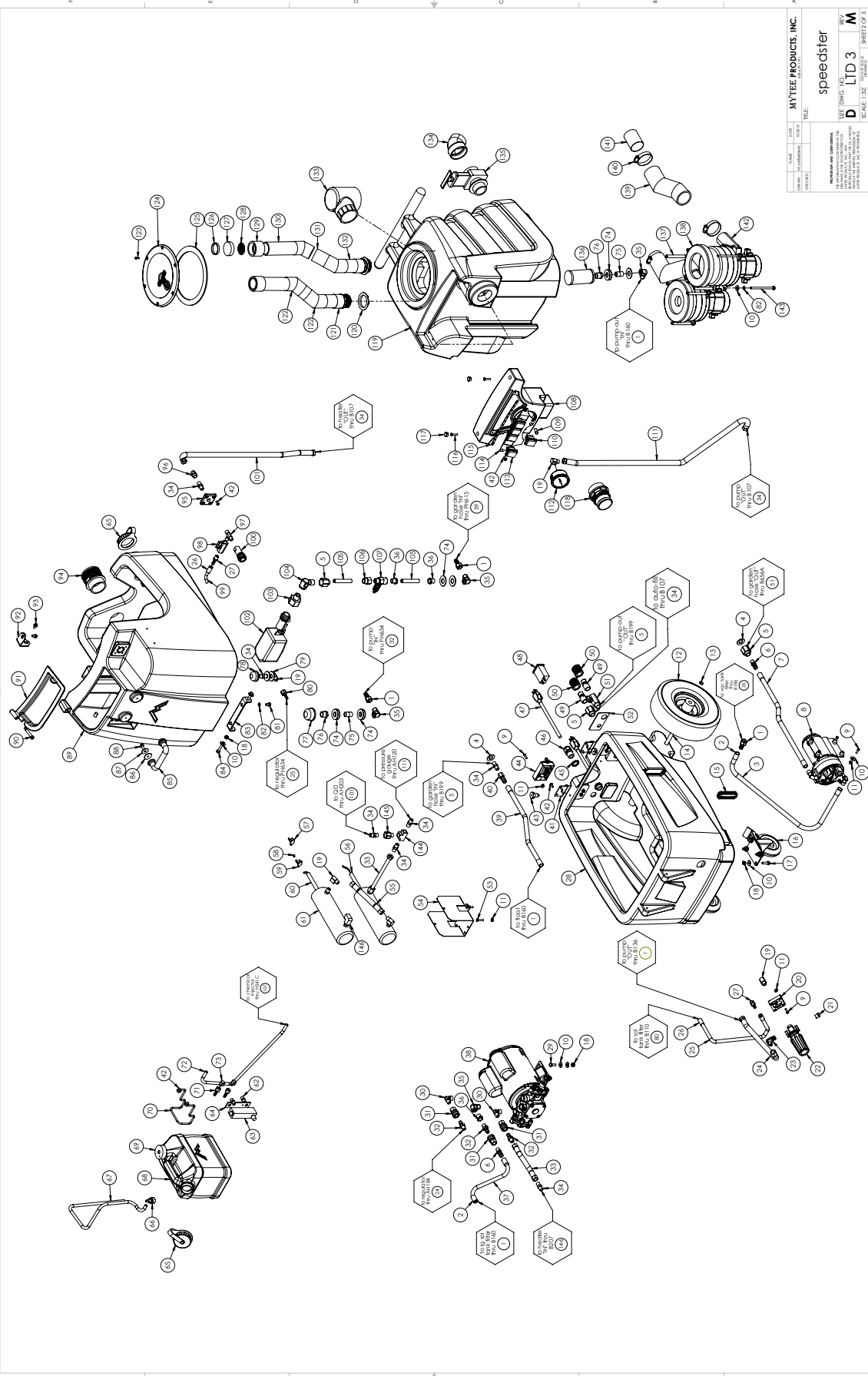
PART NO.	DESCRIPTION	QTY.	MSRP
E581	harness, electrical	1	\$29.99 ea
G008	power cord, 12' 12/3, black	1	\$4.99 ea
G076	filter bag, 3.5" media, 6" ring, mesh bag	1	\$4.99 ea
H110	fltr bag, 3.5" media, 6" ring, mesh bag	1	\$4.99 ea
H141	Cuff-Lynx, Z, hose, Z, 2' rem swivel	1	\$3.99 ea
H230	screw, 10-32 x 1/2" phi pan head, 1/5	2	\$0.99 ea
PH66A	hose, 3/8" x 1/4" (Z) OAL, 1.5 lbs, 5000 Gpm	2	\$49.99 ea
PS90	culb, 1/4" dia, standard back, 0.2	1	\$29.99 ea



MYTEE PRODUCTS, INC.  
 speedster  
 D LTD 3  
 SCALE 1:32  
 SHEET 013

Part prices are subject to change.

# SPEEDSTER® LTD3 PARTS & PRICING

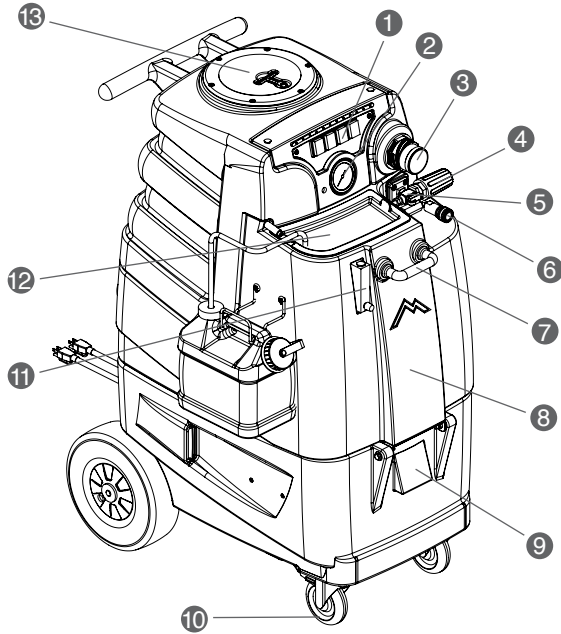


MYTEE PRODUCTS, INC.		speedster	
DATE	REV	DATE	REV
01/15/11	1	01/15/11	1
DRAWN BY: J. J. JONES		CHECKED BY: J. J. JONES	
SCALE: 1:1		SCALE: 1:1	
SHEET OF 3		SHEET OF 3	



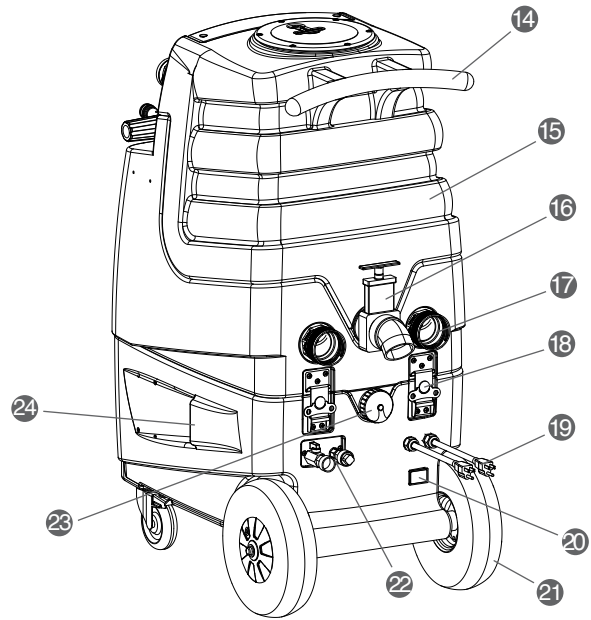
# SPEEDSTER® LTD5

## SPEEDSTER® LTD5 FRONT



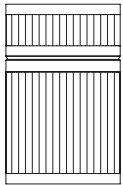
- |                             |                        |
|-----------------------------|------------------------|
| 1. Switch Plate             | 8. Solution Tank       |
| 2. PSI Gauge                | 9. Front Vent          |
| 3. 2" Male Cuff-Lynx™ Inlet | 10. 4" Locking Casters |
| 4. Pressure Regulator       | 11. Chemical Metering  |
| 5. Prime Valve              | 12. Solution Lid       |
| 6. Female Quick Disconnect  | 13. Recovery Lid       |
| 7. Front Handle             |                        |

## SPEEDSTER® LTD5 BACK

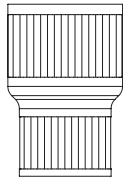


- |                               |   |
|-------------------------------|---|
| 14. Push Handle               | 21. 10" Foam Filled Semi-Pneumatic Wheels |
| 15. Recovery Tank             | 22. Auto Fill & Pump-Out Hose Connections |
| 16. Recovery Tank Drain Valve | 23. Solution Tank Drain                   |
| 17. Rear Vacuum Exhaust       | 24. Side Vent                             |
| 18. Service Latches           |   |
| 19. Power Cords               |   |
| 20. Hour Meter                |   |

## SPEEDSTER® LTD5 ITEMS INCLUDED



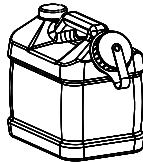
H110 Cuff-Lynx™  
2" x 2" Hose Adapter



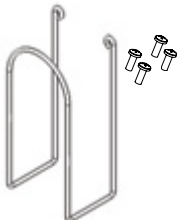
H141 Cuff-Lynx™  
2" x 1.5" Hose Reducer



G008 Pack of Piglet™  
filters



P535 5 qt. Chemical Bottle



H375 Hose Hanger  
(4) screws

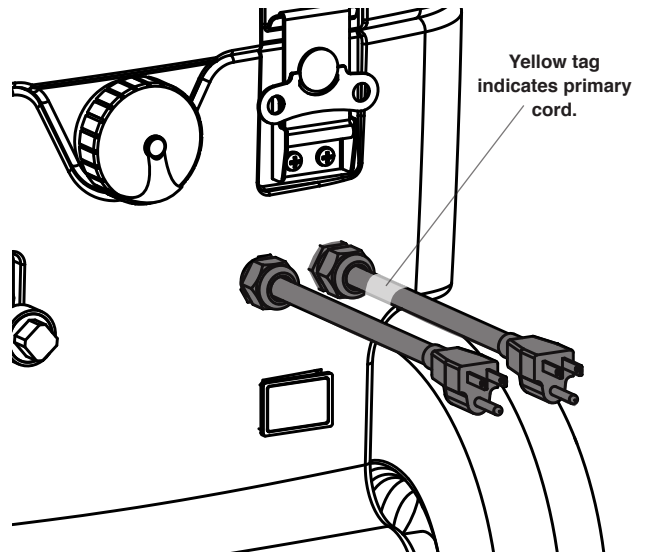


H226 Drain Elbow

## POWER CORDS

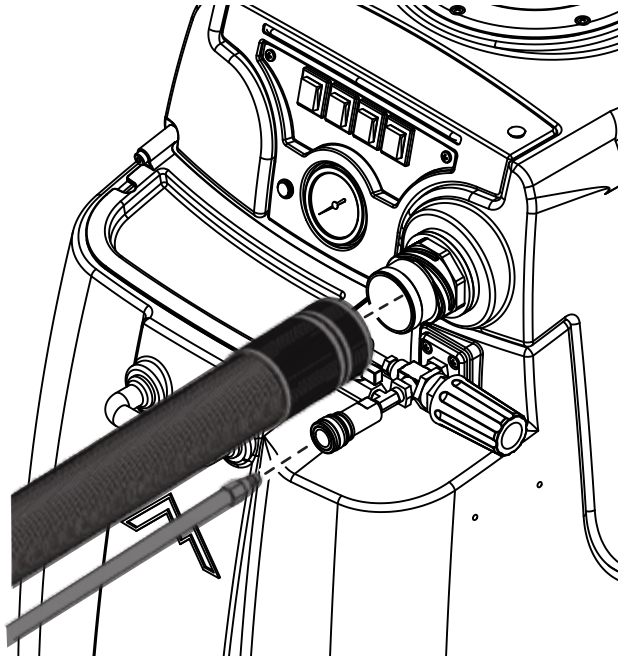
**(Primary) Right Cord:** Plug in yellow-tagged power cable for Power To Vac 1, & Pump.

**(Secondary) Left Cord:** Plug in power cable for Vac 2 and the Pump-Out.



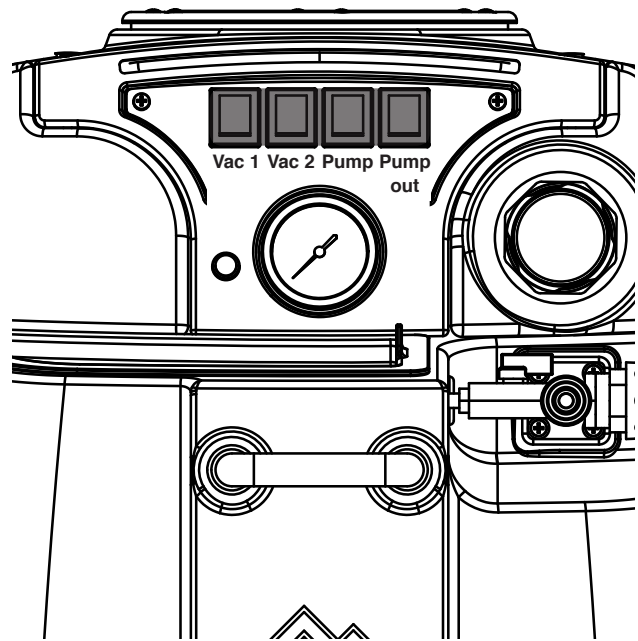
Plug each power cord into a separate, 20A grounded wall outlet. **Outlets must be on two separate breakers.** When the amber light on the switch plate illuminates, the machine is on separate circuits (not necessarily 20A circuits). You can identify the primary cord by the yellow tag.

## VACUUM AND SOLUTION HOSE CONNECTIONS



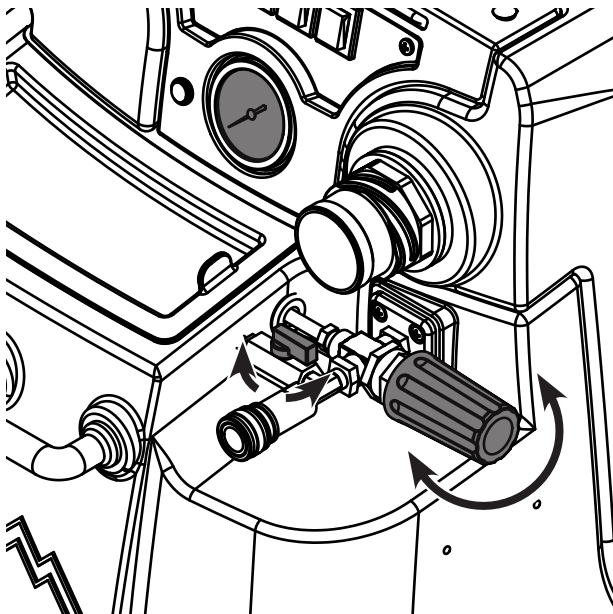
Attach female end of a solution hose to a wand or tool and the male end to the LTD's QD. Then connect a vacuum hose to a wand and the 2" male Cuff-Lynx™ hose port. (If using the optional de-foamer, install the kit onto the vacuum port according to the instructions that come with the de-foamer kit.)

## SWITCH PLATE



To use vacuum, turn on Vac 1 and Vac 2. To use pump, turn on Pump. To use pump-out, turn on Pump-Out switch.

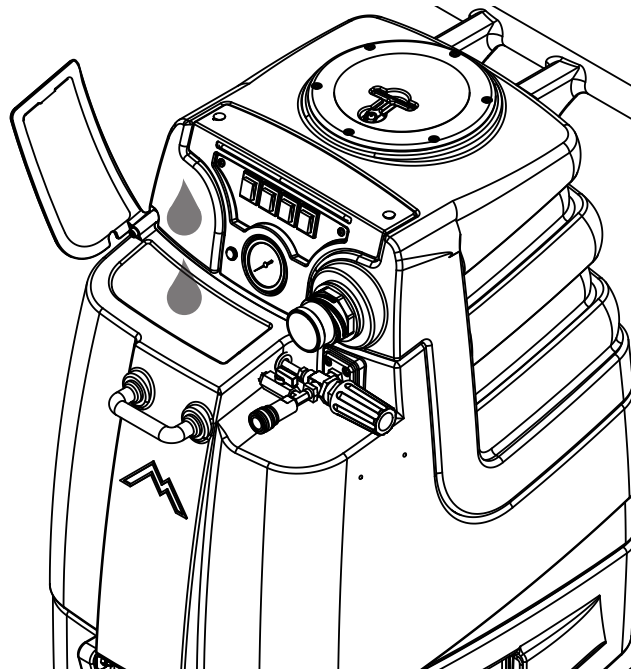
## PRIME VALVE & PRESSURE REGULATOR



Prime the pump by having the Prime Valve parallel with its pipe and turn it clock-wise to run the pump. Turning the Pressure Regulator to its left will decrease water pressure and turning to the right will increase water pressure.

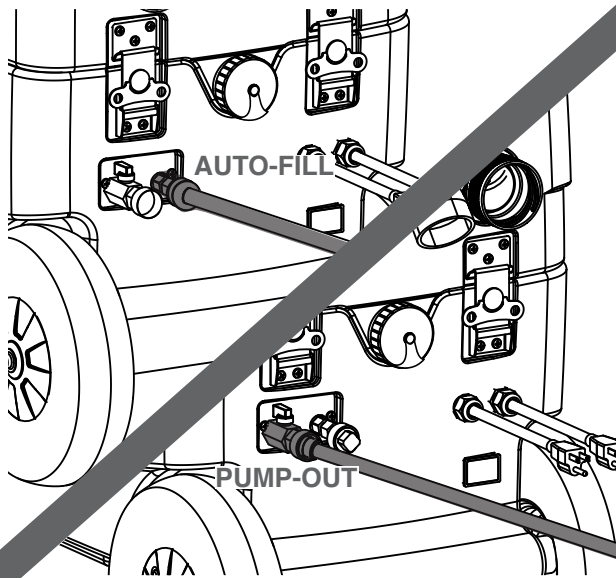
\*Please refer to the Pressure Gauge to monitor your water pressure.

## FILLING THE SOLUTION TANK



You can lift the lid to manually fill the tank or follow the "Operating Instructions" for auto-fill use. **IMPORTANT: Before refilling solution tank, make sure the recovery tank is empty.**

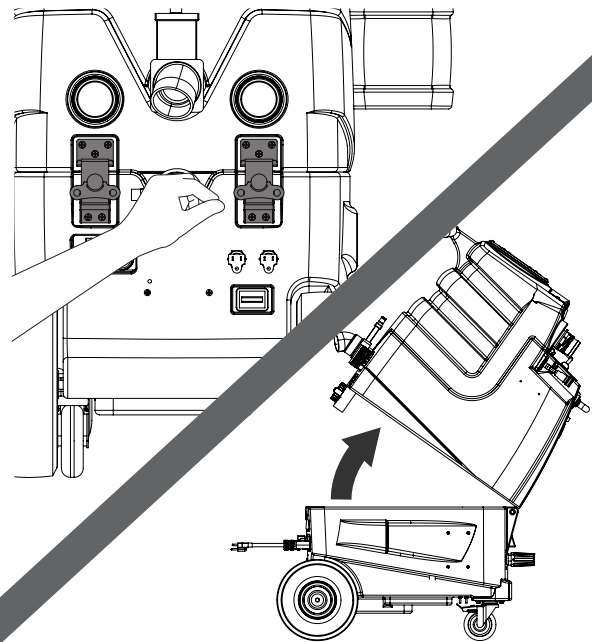
## AUTO-FILL & PUMP-OUT CONNECTIONS



**Auto-fill:** Connect standard garden hose from water source to LTD auto-fill connection. Turn on the water source and let the tank begin to fill. It will shut off when the water level reaches the LTD's electronic float switch.

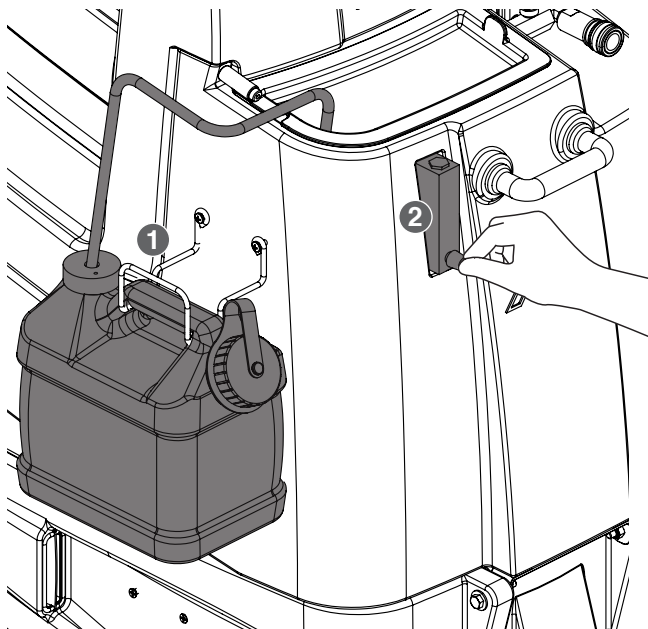
**Pump-out:** Connect a second standard garden hose to the LTD's pump-out connection and lay the other end of the hose in a drainable location. Activate the pump-out switch on the front of the machine and open the ball valve on the pump-out connection. The LTD will automatically drain recovered water from the tank.

## OPENING THE MACHINE



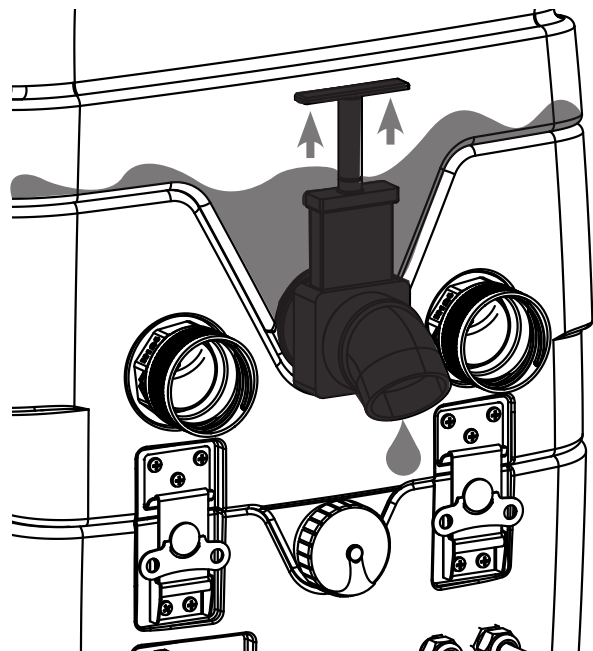
To open the Speedster® LTD, loosen the rear latches by turning them one quarter turn counter-clockwise. Flip the latches down and then lift up on the push handle and the machine will open up.

## CHEMICAL METERING



Connect garden hose to auto-fill. (1) Hang the included chemical bottle (part # P535) from the side of the machine and fill it with the desired chemical concentrate. (2) Set meter to desired ratio. Meter is measured in GPH (Gallons Per Hour), which indicates how many gallons per hour of concentrated chemical will be metered. Begin running the machine. Chemical will only be injected as the tank fills through the auto-fill.

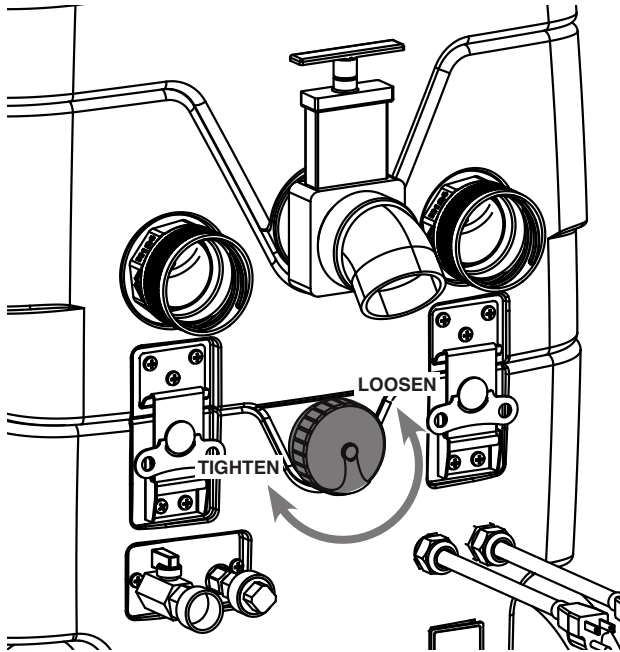
## EMPTYING THE RECOVERY TANK



Make sure the Auto Pump-Out is turned off and then locate and lift the bucket high drain valve on the rear of the LTD unit to empty the tank.

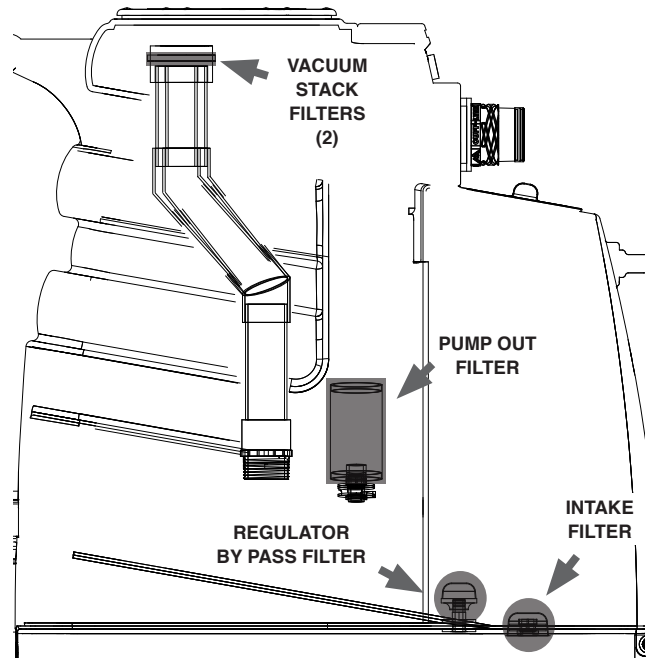


## SOLUTION TANK DRAIN VALVE



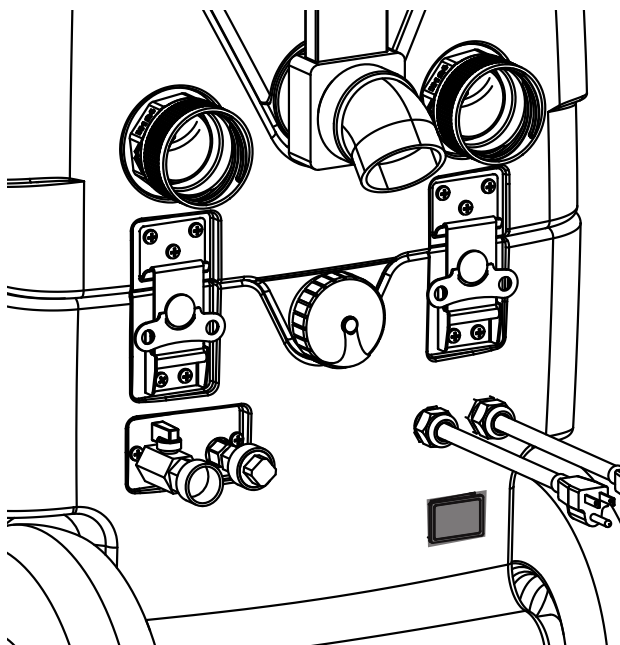
To remove any remaining water in the solution tank, located on the back of the unit is a cap, twist and remove cap to empty tank.

## FILTER MAINTENANCE



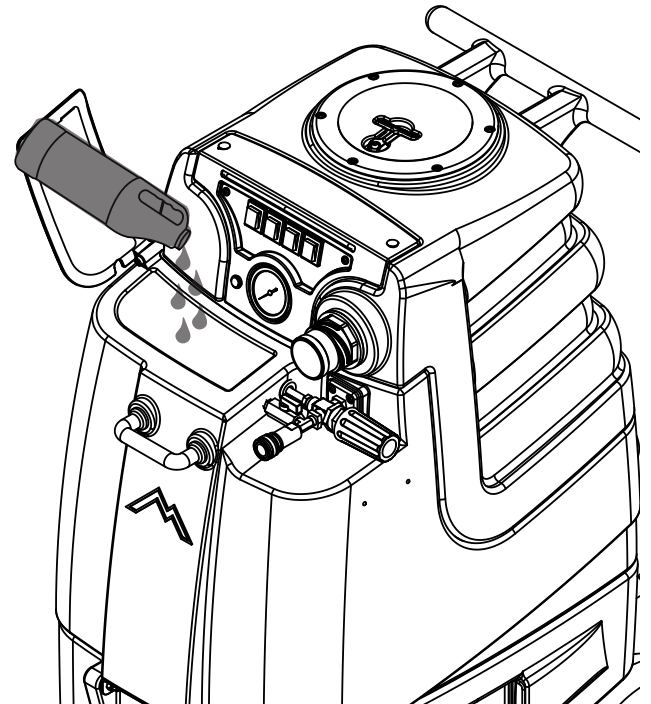
The LTD's five internal filters must be cleaned regularly and are located in the locations listed in the following diagram. Twist the filters to remove them then clean and replace in original locations. If a filter is torn or damaged, replace with a new one.

## PUMP HOUR METER



The hour meter activates when the pump is turned on. This helps monitor usage and when to make oil changes. Refer to p. 3 for oil maintenance instructions.

## MYTEE® SYSTEM MAINTAINER



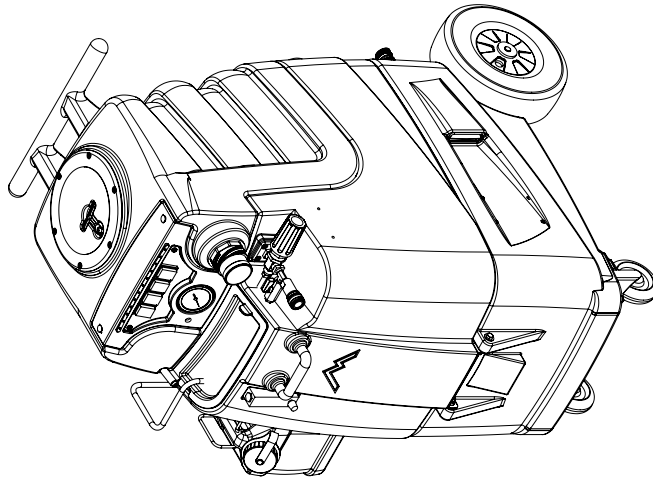
Weekly flushing of the solution system with Mytee® System Maintainer helps keep lines clean and prevents chemical build-up, improving pump life, performance, and pressure.

# SPEEDSTER® LTD5 PARTS & PRICING

REV	PART NO.	DESCRIPTION	QTY.	MSRP
1	H212	flat washer, 9/16 x 1/16 OD, AN10-C916	2	\$0.99 ea
2	B444	coupler, 1/2" barb x 1/4" tpi	3	\$8.99 ea
3	B644	coupler, 1/2" barb x 1/4" tpi	3	\$2.49 ea
4	B175	flange, 1/2" bore x 1/4" tpi	2	\$0.99 ea
5	H174	rod, 1/2" dia, 316 stainless steel	14	\$0.99 ea
6	H203	nut, lock, 1/4" x 3/8" zinc	14	\$0.99 ea
7	H210	washer, 1/4" dia, 316 stainless steel	30	\$0.99 ea
8	H186	screw, 1/4" x 3/4", phi, flat head, stainless steel	4	\$0.99 ea
9	C381	pump oil, 115w	1	\$18.49 ea
10	H4615-57	sol hose, 1/2" - 3/8" id, black	3	\$8.99 ft
11	H4615-57	sol hose, 1/2" - 3/8" id, black	3	\$8.99 ft
12	H402	adapter, 1/2" barb x 1/4" tpi	2	\$0.99 ea
13	H402	adapter, 1/2" barb x 1/4" tpi	2	\$0.99 ea
14	H232	o-ring, 1.607 x .507	1	\$9.99 ea
15	P511	LA series base	1	\$126.99 ea
16	P514	vent, 45psi, LTD	2	\$5.00 ea
17	H402	adapter, 1/2" barb x 1/4" tpi	2	\$0.99 ea
18	H402	adapter, 1/2" barb x 1/4" tpi	2	\$0.99 ea
19	H216	nut, lock, 1/4" x 3/8" zinc	14	\$0.99 ea
20	H202	bol., 1/4" dia, 316 stainless steel	4	\$0.99 ea
21	B246	plug, brass, 3/8" tpi, hex	1	\$1.99 ea
22	H4615-23	sol hose, 1/2" - 3/8" id, black	1	\$8.99 ea
23	B186	elbow, brass, 90 deg, 3/8" tpi, 3/8" tpi	4	\$8.99 ea
24	B186	elbow, brass, 90 deg, 3/8" tpi, 3/8" tpi	4	\$8.99 ea
25	B260A	rod, brass, 1/4" dia, 1/4" tpi	2	\$8.99 ea
26	B239A	rod, brass, 1/4" dia, 1/4" tpi	2	\$15.99 ea
27	C313A	pump, C-AT, 500 PSI, 120/240v	1	\$599.99 ea
28	B452	elbow, brass, 90 deg, 3/8" tpi, 1/4" tpi	1	\$8.49 ea
29	AH184	hose, poly, 3/8" x 1/4" tpi, 1/2" OD	1	\$27.99 ea
30	B113	nut, lock, 1/4" x 3/8" zinc	4	\$0.99 ea
31	B113	nut, lock, 1/4" x 3/8" zinc	4	\$0.99 ea
32	B443	coupler, brass, 3/8" tpi, 1/4" tpi	1	\$4.99 ea
33	H4615-32	sol hose, 1/2" - 3/8" id, black	1	\$8.99 ft
34	B123	adapter, brass, 1/2" barb x 1/4" tpi	1	\$4.99 ea
35	G068	flange, 1/2" bore x 1/4" tpi	2	\$1.99 ea
36	H221	nut, lock, 1/2" steel	2	\$1.99 ea
37	H220	flange, aluminum, 1/2"	2	\$3.19 ea
38	H220	flange, aluminum, 1/2"	2	\$3.19 ea
39	H220	flange, aluminum, 1/2"	2	\$3.19 ea
40	H220	flange, aluminum, 1/2"	2	\$3.19 ea
41	E584	power cord, digital, 30', 120V, 145'	1	\$11.49 ea
42	E589	power cord, digital, 30', 120V, 145'	1	\$6.99 ea
43	E589	power cord, digital, 30', 120V, 145'	1	\$6.99 ea
44	B058	rod, 1/2" dia, 316 stainless steel	2	\$3.99 ea
45	B058	rod, 1/2" dia, 316 stainless steel	2	\$3.99 ea
46	B264	rod, 3/4" dia, 316 stainless steel	2	\$9.99 ea
47	H299	washer, 1/2" dia, 316 stainless steel	9	\$16.49 ea
48	B303	nut, lock, 1/4" x 3/8" zinc	2	\$0.99 ea
49	H4615-1	sol hose, 1/2" - 3/8" id, black	1	\$8.99 ea
50	H4615-1	sol hose, 1/2" - 3/8" id, black	1	\$8.99 ea
51	B167	flange, 1/2" bore x 1/4" tpi	1	\$5.99 ea
52	B178	adapter, 3/4" tpi x 1/2" tpi, w/ gasket	1	\$16.99 ea
53	H541A	valve, foot, cutoff	1	\$108.99 ea
54	B109	coupler, brass, 1/4" barb x 1/4" tpi	2	\$1.99 ea
55	B103	elbow, brass, 90 deg, 1/2" tpi x 1/4" tpi	1	\$1.49 ea
56	B210	burning, brass, 1/2" barb x 3/8" tpi, hex	2	\$2.49 ea
57	B210	burning, brass, 1/2" barb x 3/8" tpi, hex	2	\$2.49 ea
58	B179A	flange, stainless, 1/2"	1	\$4.49 ea
59	H213	washer, 1/4" dia, 316	8	\$0.99 ea
60	H201	bol., 1/4" x 3/8" zinc	2	\$0.99 ea
61	H205	bracket, front, hinge, 90/180	1	\$8.99 ea
62	H205	bracket, front, hinge, 90/180	1	\$8.99 ea
63	B170	bol., 1/4" x 3/8" zinc	4	\$0.99 ea
64	H4624-18	sol hose, 1/4" - silicone braided, clear	1	\$6.49 ea
65	B131	flange, 1/4" bore x 1/8" tpi	2	\$2.99 ea
66	B143	sheet, rubber, 90 degrees, 1/8"	2	\$1.99 ea
67	B129	nut, lock, 1/8" tpi x 1/8" tpi	2	\$1.99 ea
68	H262	flange, stainless, 1/2"	1	\$9.99 ea
69	H262	flange, stainless, 1/2"	1	\$9.99 ea
70	H246	screw, 8.32 x 3/8" SAE, black, lock	2	\$0.99 ea
71	H247	hanger, wire for injection prover	1	\$7.49 ea
72	G036	comp. 2.5" threaded, vented	2	\$3.49 ea
73	P535	bottle, 5 quart, w/ caps	1	\$16.99 ea
74	B174	flange, stainless, 1/2"	1	\$9.99 ea
75	H4624-26	sol hose, 1/4" - silicone braided, clear	1	\$6.49 ea
76	H4624-26	sol hose, 1/4" - silicone braided, clear	1	\$6.49 ea
77	H4624-26	sol hose, 1/4" - silicone braided, clear	1	\$6.49 ea
78	G052	washer, Buna N, 1/8" dia x 5/16" id	2	\$1.99 ea
79	H211	washer, 1/4" x 1" dia, flat, 1/16"	2	\$0.99 ea
80	H768	bol., 1/4" x 3/4" stainless hex flange, zinc	2	\$0.99 ea

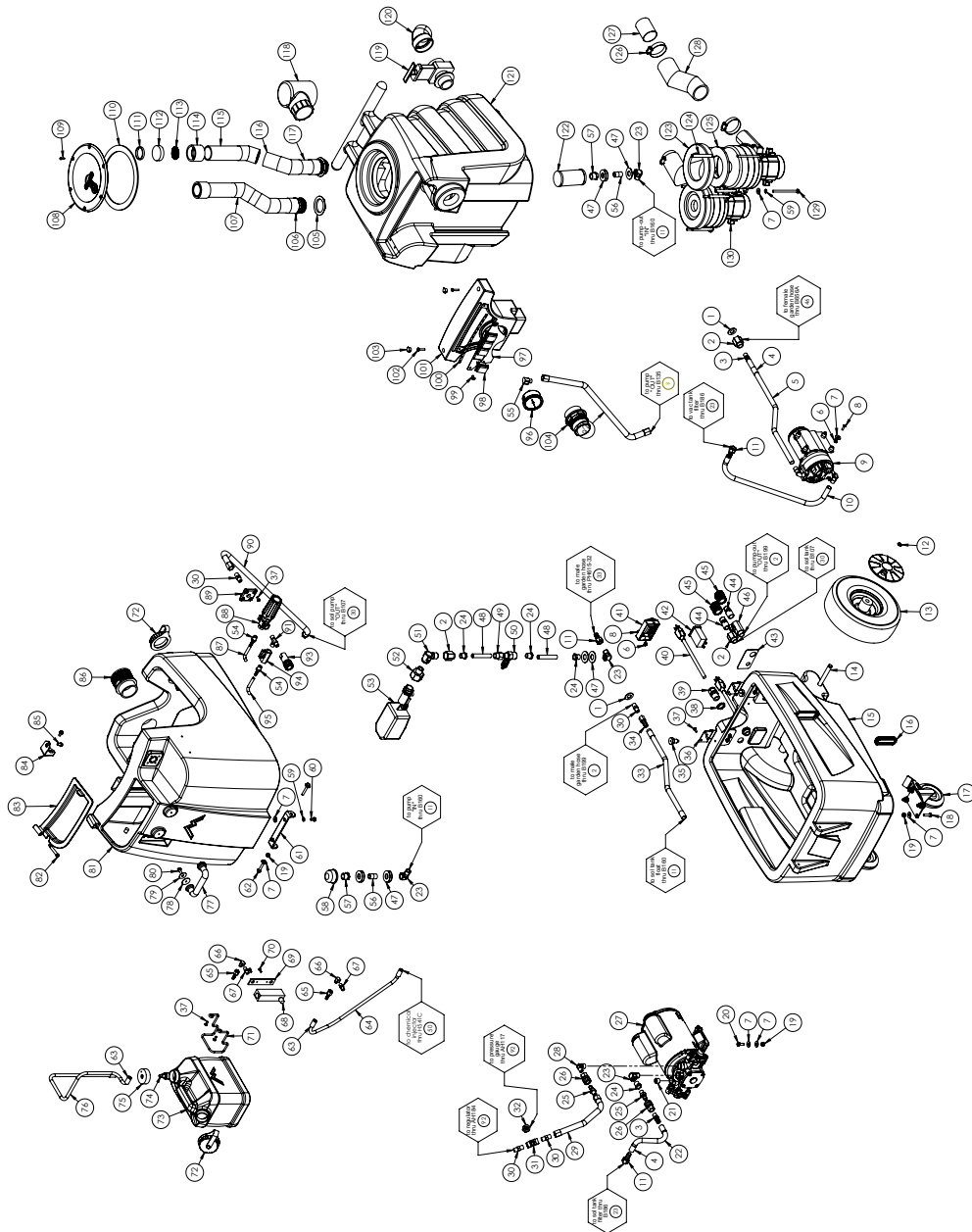
### ITEMS NOT SHOWN

PART NO.	DESCRIPTION	QTY.	MSRP
E530	power cord, ext 50', 120V, black	2	\$24.99 ea
E530	power cord, ext 50', 120V, black	2	\$24.99 ea
G003	flange, stainless, 1/2"	1	\$6.99 ea
G003	flange, stainless, 1/2"	1	\$6.99 ea
G074	flange, 3.5" metric dia, mesh bag	1	\$4.99 ea
H110	Cu-Hy-Lynk, 2" hoses x 2' length, w/ 1.5" reducer	1	\$3.99 ea
H209	screw, 10.55 x 1/2" phi, pan head, 95	2	\$0.99 ea
P566A	hanger, stainless, 1/2"	2	\$8.99 ea
ADM Cu-Hy-Lynk	Cu-Hy-Lynk instruction guide	1	n/a



**MYTEE PRODUCTS, INC.**  
**speedster**  
**LTD5**  
**K**  
 SCALE: 1:1 (WEIGHT)  
 SHEET 03 OF 3

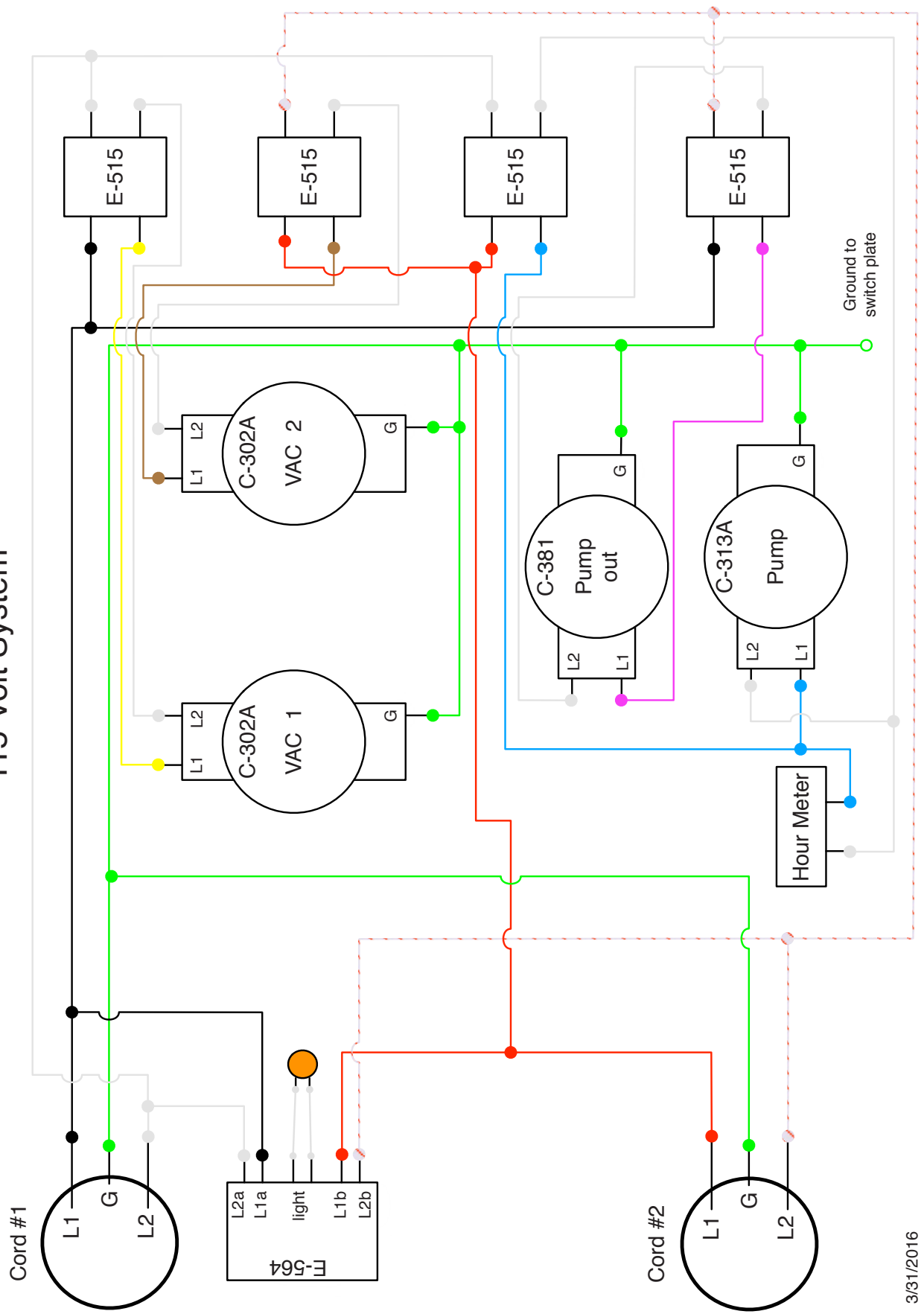
# SPEEDSTER® LTD5 PARTS & PRICING



DATE	REV	BY	CHKD	APP'D	TITLE
01/15/2015	1	MYTEE	MYTEE	MYTEE	MYTEE PRODUCTS, INC.
<b>speedster</b> LTD 5 K SCALE: 1/2"=1'-0" (SHEET 5 OF 5)					

# SPEEDSTER® LTD5 WIRING DIAGRAM

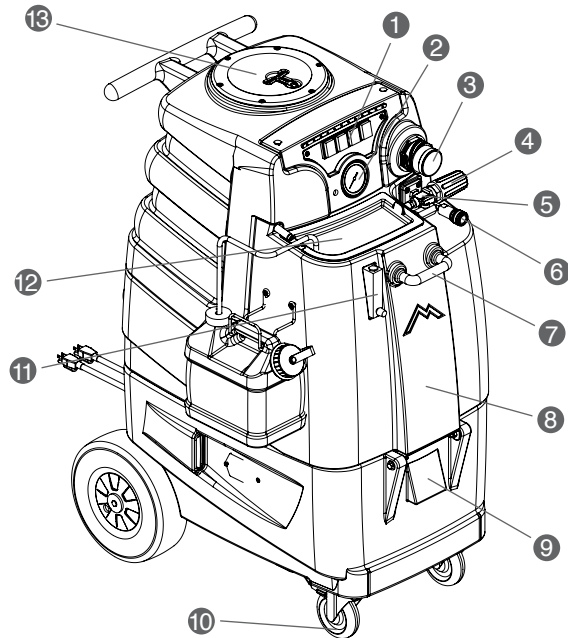
## LTD5 115 Volt System



3/31/2016

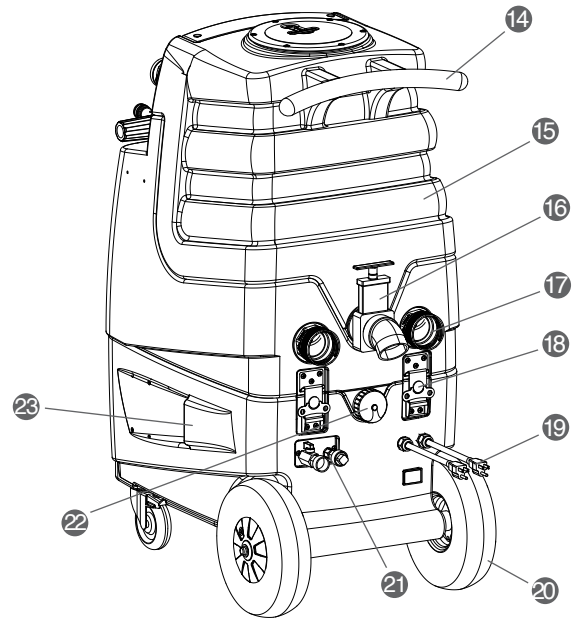
# SPEEDSTER® LTD12

## SPEEDSTER® LTD12 FRONT



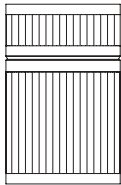
- |                             |                        |
|-----------------------------|------------------------|
| 1. Switch Plate             | 8. Solution Tank       |
| 2. PSI Gauge                | 9. Front Vent          |
| 3. 2" Male Cuff-Lynx™ Inlet | 10. 4" Locking Casters |
| 4. Pressure Regulator       | 11. Chemical Metering  |
| 5. Prime Valve              | 12. Solution Lid       |
| 6. Female Quick Disconnect  | 13. Recovery Lid       |
| 7. Front Handle             |                        |

## SPEEDSTER® LTD12 BACK

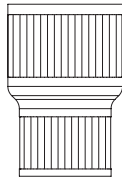


- |                               |  |
|-------------------------------|--|
| 14. Push Handle               | 20. 10" Foam Filled<br>Semi-Pneumatic Wheels |
| 15. Recovery Tank             | 21. Auto-Fill & Pump-Out<br>Hose Connections |
| 16. Recovery Tank Drain Valve | 22. Solution Tank Drain                      |
| 17. Rear Vacuum Exhaust       | 23. Side Vent                                |
| 18. Service Latches           |  |
| 19. Power Cords               |  |

## SPEEDSTER® LTD12 ITEMS INCLUDED



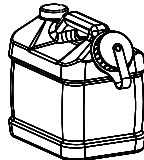
H110 Cuff-Lynx™  
2" x 2" Hose Adapter



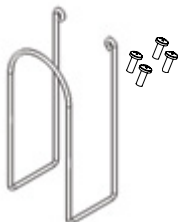
H141 Cuff-Lynx™  
2" x 1.5" Hose Reducer



G008 Pack of Piglet™  
filters



P535 5 qt. Chemical Bottle



H375 Hose Hanger  
(4) screws

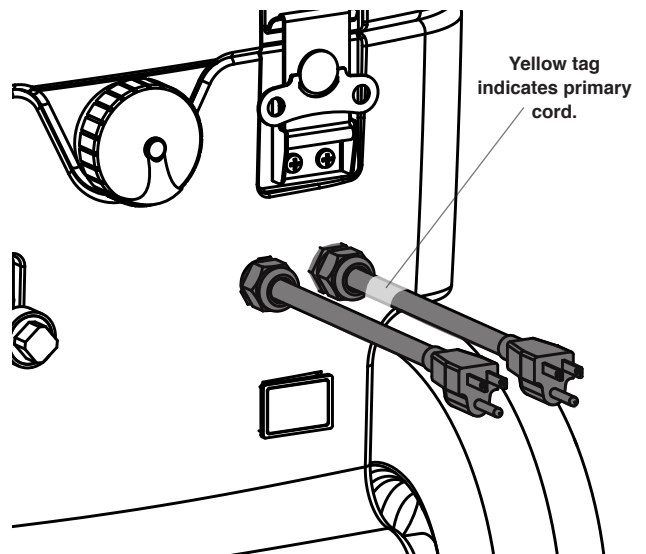


H226 Drain Elbow

## POWER CORDS

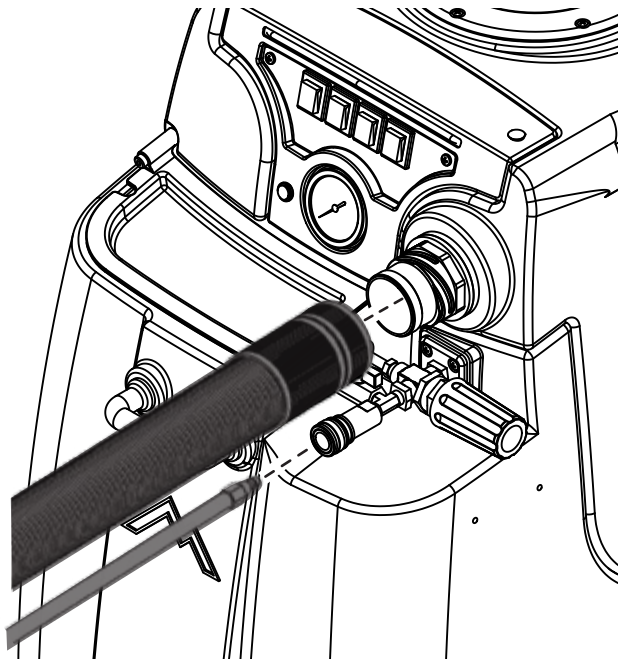
**(Primary) Right Cord:** Plug in yellow-tagged power cable for Power To Vac 1, & Pump.

**(Secondary) Left Cord:** Plug in power cable for Vac 2 and the Pump-out.



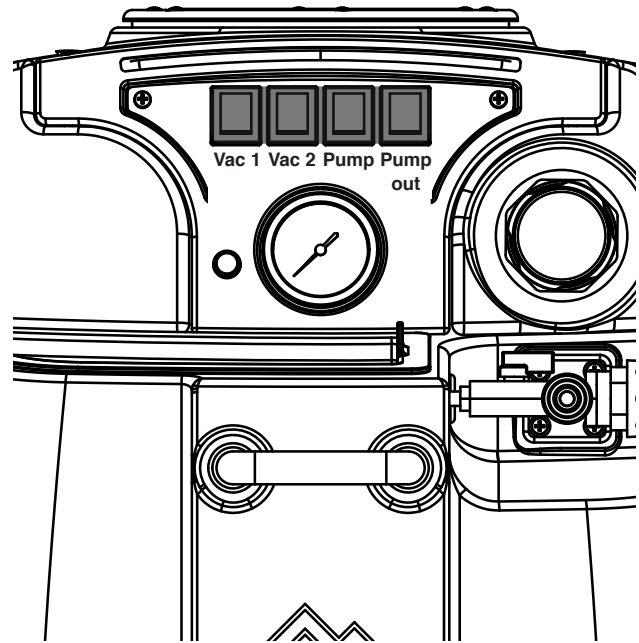
Plug each power cord into a separate, 20A grounded wall outlet. **Outlets must be on two separate breakers.** When the amber light on the switch plate illuminates, the machine is on separate circuits (not necessarily 20A circuits). You can identify the primary cord by the yellow tag.

## VACUUM AND SOLUTION HOSE CONNECTIONS



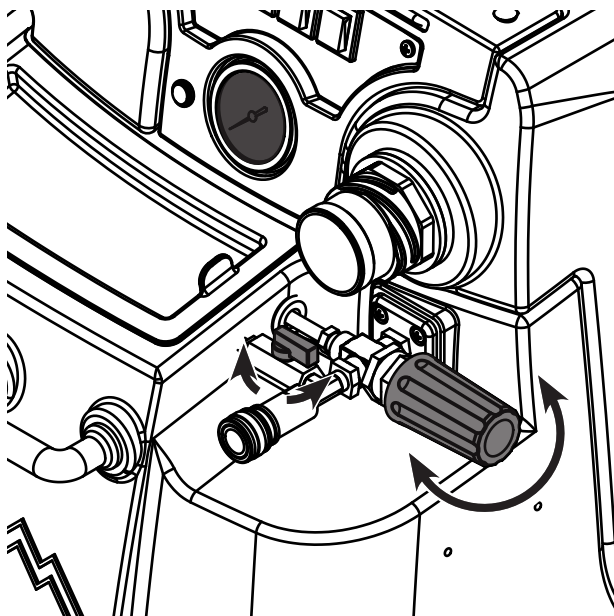
Attach female end of a solution hose to a wand or tool and the male end to the LTD's QD. Then connect a vacuum hose to a wand and the 2" male Cuff-Lynx™ hose port. (If using the optional de-foamer, install the kit onto the vacuum port according to the instructions that come with the de-foamer kit.)

## SWITCH PLATE



To use vacuum, turn on Vac 1 and Vac 2. To use pump, turn on Pump. To use pump-out, turn on Pump-Out switch.

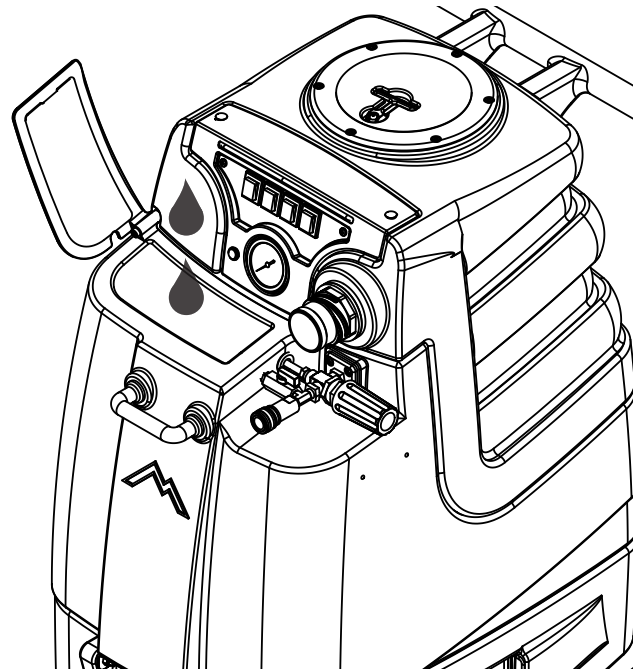
## PRIME VALVE & PRESSURE REGULATOR



Prime the pump by having the Prime Valve parallel with its pipe and turn it clock-wise to run the pump. Turning the Pressure Regulator to its left will decrease water pressure and turning to the right will increase water pressure.

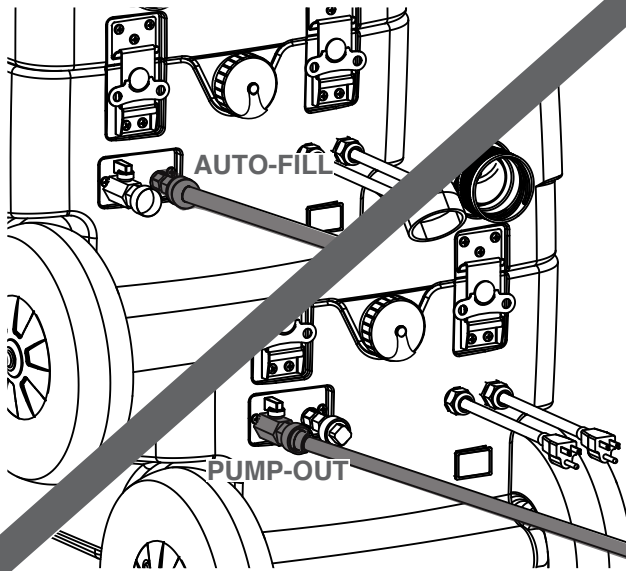
\*Please refer to the Pressure Gauge to monitor your water pressure.

## FILLING THE SOLUTION TANK



You can lift the lid to manually fill the tank or follow the "Operating Instructions" for auto-fill use. **IMPORTANT: Before refilling solution tank, make sure the recovery tank is empty.**

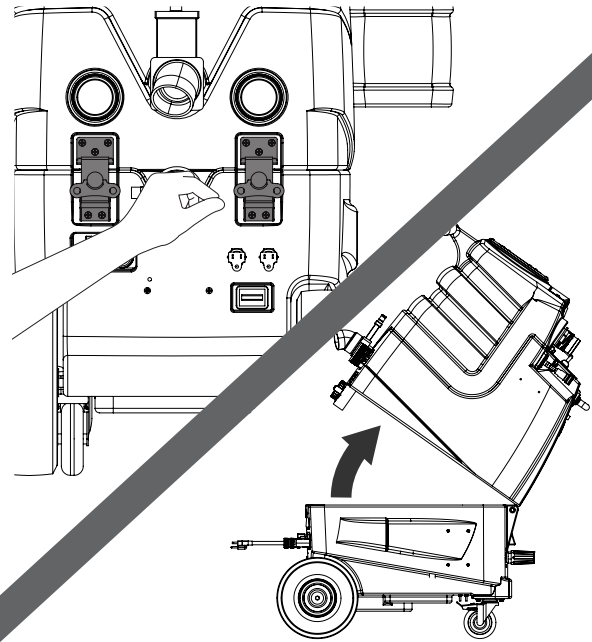
## AUTO-FILL & PUMP-OUT CONNECTIONS



**Auto-fill:** Connect standard garden hose from water source to LTD auto-fill connection. Turn on the water source and let the tank begin to fill. It will shut off when the water level reaches the LTD's electronic float switch.

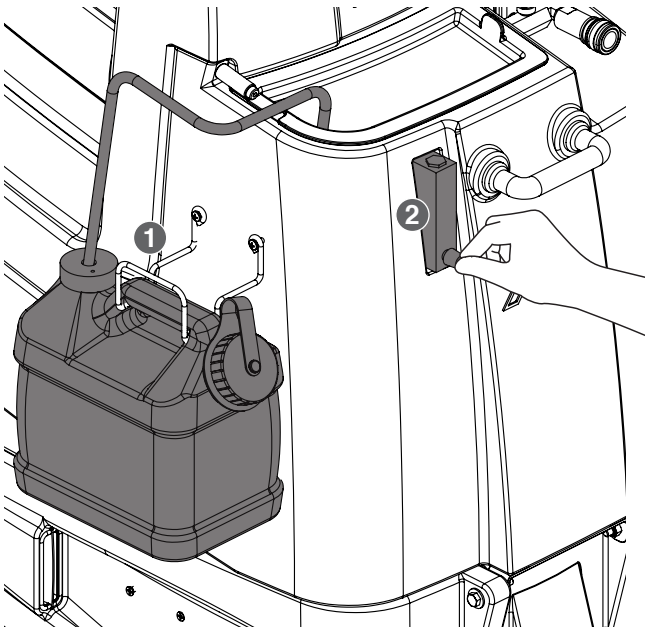
**Pump-out:** Connect a second standard garden hose to the LTD's pump-out connection and lay the other end of the hose in a drainable location. Activate the pump-out switch on the front of the machine and open the ball valve on the pump-out connection. The LTD will automatically drain recovered water from the tank.

## OPENING THE MACHINE



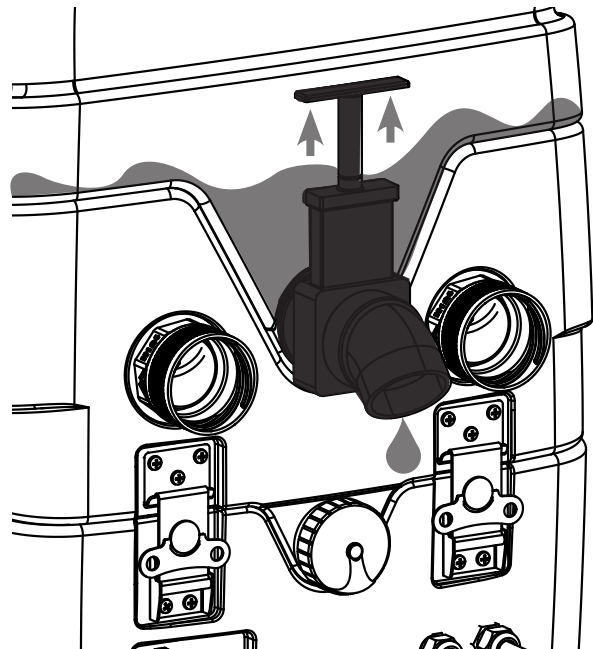
To open the Speedster® LTD, loosen the rear latches by turning them one quarter turn counter-clockwise. Flip the latches down and then lift up on the push handle and the machine will open up.

## CHEMICAL METERING



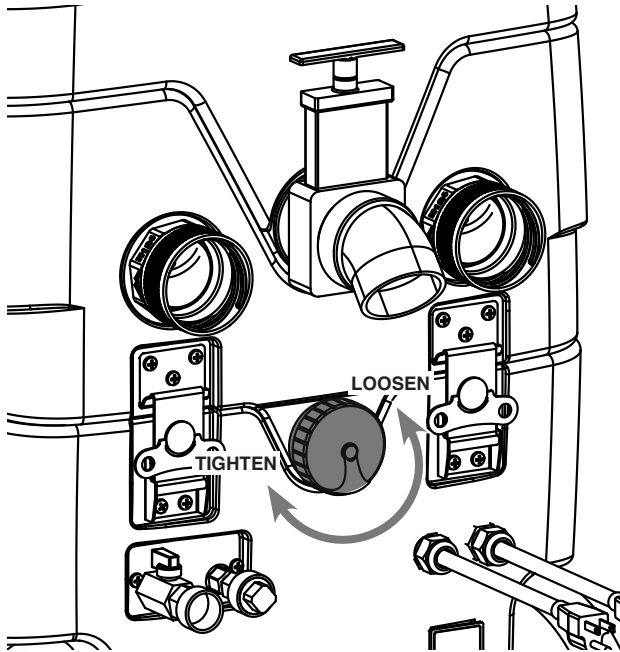
Connect garden hose to auto-fill. (1) Hang the included chemical bottle (part # P535) from the side of the machine and fill it with the desired chemical concentrate. (2) Set meter to desired ratio. Meter is measured in GPH (Gallons Per Hour), which indicates how many gallons per hour of concentrated chemical will be metered. Begin running the machine. Chemical will only be injected as the tank fills through the auto-fill.

## EMPTYING THE RECOVERY TANK



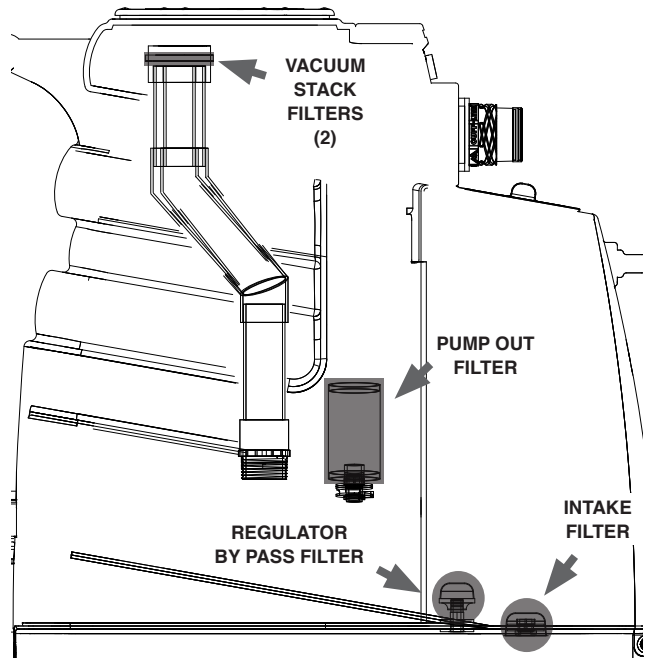
Make sure the Auto Pump-Out is turned off and then locate and lift the bucket high drain valve on the rear of the LTD unit to empty the tank.

**SOLUTION TANK DRAIN VALVE**



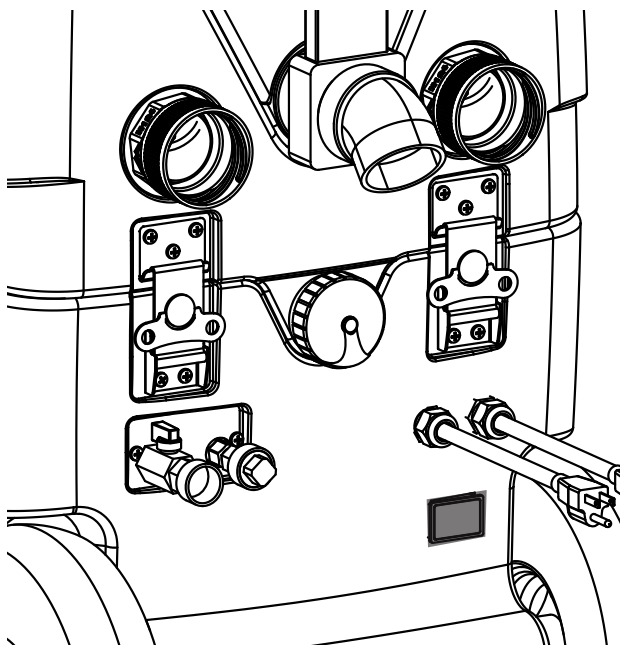
To remove any remaining water in the solution tank, located on the back of the unit is a cap, twist and remove cap to empty tank.

**FILTER MAINTENANCE**



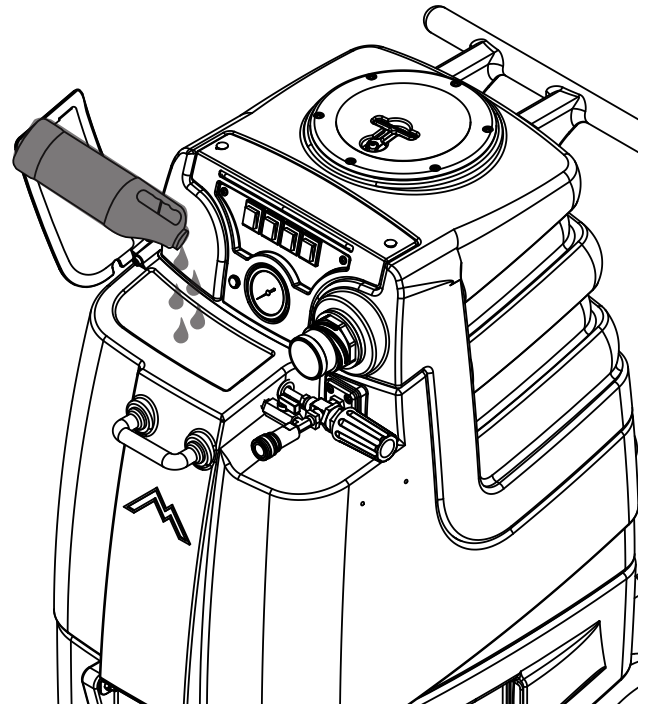
The LTD's five internal filters must be cleaned regularly and are located in the locations listed in the following diagram. Twist the filters to remove them then clean and replace in original locations. If a filter is torn or damaged, replace with a new one.

**PUMP HOUR METER**



The hour meter activates when the pump is turned on. This helps monitor usage and when to make oil changes. Refer to p.3 for oil maintenance instructions.

**MYTEE® SYSTEM MAINTAINER**



Weekly flushing of the solution system with Mytee System Maintainer helps keep lines clean and prevents chemical build-up, improving pump life, performance, and pressure.

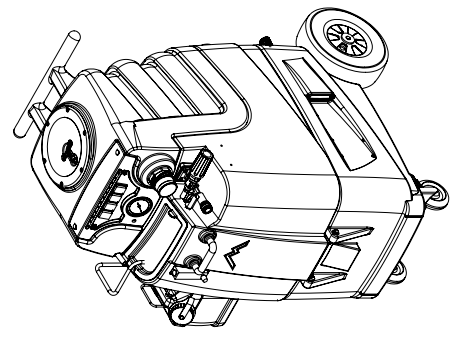


# SPEEDSTER® LTD12 PARTS & PRICING

ITEM NO.	PART NO.	DESCRIPTION	QTY.	MSRP	ITEM NO.	PART NO.	DESCRIPTION	QTY.	MSRP
1	H212	flat washer, 9/16" D x 1 1/16" OD, AN#60-C916	2	\$0.99 ea	63	H204	bolt, 1/4-20 x 1 3/4" hex head, s/s	2	\$0.99 ea
2	B199	coupler, 1/2" fpl x 1/4" fpl	3	\$8.99 ea	64	B131	fitting, 1/4" barb x 1/8" FPT	2	\$2.99 ea
3	B644	adapter, brass, 1/2" barb x 1/4" mpt	1	\$2.49 ea	65	PH634-18	sol hose, 1/4", silicone braided, clear	1	\$6.49 ea
4	B173	female, 1/2", brass	8	\$0.99 ea	66	H325	flow meter, electric truckmount	1	\$189.99 ea
5	PH615-24	sol hose, 1/2", 304sspt, black	1	\$8.99 ft	67	G049	gasket, flow meter	1	\$0.99 ea
6	H273	nut, sep, #10-32 zinc	14	\$0.99 ea	68	H246	screw, 8-32 x 3/8" SHCS, alloy, black	2	\$0.99 ea
7	H210	washer, 1/4" flt, s/s	30	\$0.99 ea	69	B117	strainer, with check, chemical injector	1	\$18.99 ea
8	H186	screw, 10-32 x 3/4, phl flt full thread	6	\$0.99 ea	70	PH634-26	sol hose, 1/4", silicone braided, clear	1	\$6.49 ea
9	C381	pump out, 115v	1	\$187.49 ea	71	H547	hanger, wire for injection sprayer	1	\$7.49 ea
10	PH615-37	sol hose, 1/2", 304sspt, black	1	\$8.99 ft	72	H456B	cap (only) w/ hole	1	\$3.99 ea
11	B160	adapter, brass, 1/2" barb x 3/8" fsw, ball end	3	\$3.49 ea	73	F535	boffle, 5 quart, w/ caps	1	\$16.99 ea
12	H042	c-clip, 12mm, external	2	\$0.99 ea	74	G036	cap, 2.5" threaded, lethered	2	\$3.49 ea
13	H109	wheel, 10", foam filled	2	\$79.99 ea	75	H485	handle, aluminum grip, black	1	\$6.99 ea
14	H232	axle, 19 60" x .50"	1	\$9.99 ea	76	G052	washer, buna 1-1/8" od x 3/16" id	2	\$1.99 ea
15	H254	washer, axle, cut 1/2" id	4	\$0.99 ea	77	H211	washer, 1/4" id x 1" od, flt, s/s	2	\$0.99 ea
16	P514	vent, side, LTD	2	\$5.00 ea	78	H748	bolt, 1/4-20 x 3/4", serrated hex flange, zinc	2	\$0.99 ea
17	H668	carrier, 4", black hub & gray head	2	\$17.49 ea	79	H650	bolt, 5/16" shoulder x 1-1/2" lg, alloy	1	\$0.99 ea
18	H342	bolt, 1/4-20 x 1" hex head, s/s	8	\$0.99 ea	80	F513	solution tank lid, LTD	1	\$9.00 ea
19	H216	nut, lock, 1/4-20, nylon insert, s/s	14	\$0.99 ea	81	H390A	bracket, "L"	2	\$6.99 ea
20	H202	bolt, 1/4-20 x 3/4" hex head	4	\$0.99 ea	82	H770	bolt, 1/4-20 x 1/2", serrated hex flange, zinc	4	\$0.99 ea
21	B135	tee, brass, 1/4" mpt	2	\$5.49 ea	83	P509	LX series sol tank	1	\$141.95 ea
22	B143	street elbow, 90 degrees, 1/8"	4	\$2.99 ea	84	H124	Cuff-Lynx, 2" mpt x 2" female cuff	2	\$3.99 ea
23	C332	pump head, general, 2.1 GPM	1	\$569.99 ea	85	PH634-20	sol hose, 1/4", silicone braided, clear	1	\$6.49 ft
24	B172	elbow, brass, 90 deg, 1/2" barb x 3/8" mpt	1	\$7.49 ea	86	B170	female, 1/4" brass	2	\$0.99 ea
25	PH615-23	sol hose, 1/2", 304sspt, black	1	\$8.99 ft	87	B109	adapter, brass, 1/4" barb x 1/4" mpt	2	\$0.99 ea
26	B105	bushing, brass, 3/8" mpt x 1/4"	3	\$3.19 ea	88	H484	plate, mounting, QD	1	\$4.99 ea
27	B107	nipple, brass, 1/4" m, hex	3	\$3.19 ea	89	AH117	hose, pulse, black, 1/4" fsw x 1/4" fsw, 40" (OAL)	2	\$19.99 ea
28	B113	tee, brass, 1/4" fpl	1	\$6.99 ea	90	AH104	sol hose, 3/8" x 10", (OAL)	2	\$47.99 ea
29	B127	plug, brass, 1/4" mpt, hex	1	\$0.99 ea	91	C359C	regulator, 1000 psi	1	\$161.99 ea
30	B197	valve, solenoid, 1/4", 115V	1	\$69.99 ea	92	B102	qd, brass, 1/4" x 1/4" fpl	1	\$17.99 ea
31	C329	motor, for pump, 1 HP, 1725RPM	1	\$359.99 ea	93	B656	ball valve, 1/4"	1	\$13.49 ea
32	P511	LX series base	1	\$176.99 ea	94	PH634-36	sol hose, 1/4", silicone braided, clear	1	\$6.49 ft
33	PH615-32	sol hose, 1/2", 304sspt, black	1	\$8.99 ft	95	H308D	gauge, pressure, 2000psi	1	\$38.99 ea
34	B123	adapter, brass, 1/2" barb x 1/4" fpl	1	\$4.99 ea	96	E515	switch, rocker, 2 position	4	\$13.99 ea
35	G048	bumper, 7/8" x 1/4" head	2	\$1.99 ea	97	H029	plastic screw, 10 x 1/2"	2	\$0.99 ea
36	H486	latch, front	2	\$13.99 ea	98	H074	plate, switch, lids, flat2	1	\$5.99 ea
37	H230	screw, 10-32 x 1/2" phl pan head, s/s	20	\$0.99 ea	99	E352	LED strip with lead wires	2	\$0.99 ea
38	H221	nut, lock, 1/2" steel	2	\$1.99 ea	100	H031	plastic screw, 10 x 1"	2	\$0.99 ea
39	H220	fitting, 3/8" relief, cord	2	\$3.19 ea	101	H434	plug, vent, heycoc, 1/2"	2	\$4.48 ea
40	E550	power cord, pigtail, 30', 12/3, black	2	\$1.49 ea	102	P512	LX series switchbox	1	\$24.00 ea
41	E564	controller, circuit light	1	\$42.99 ea	103	H135	Cuff-Lynx, 2" m cuff x 2" mpt	1	\$3.99 ea
42	E369	hour meter, panel mount analog	1	\$55.99 ea	104	H314	nut, lock, 1-1/2", steel	2	\$1.99 ea
43	H039	plate, auto fill pump out	1	\$9.99 ea	106	F503	adapter, 1.5" pvc, 45 deg, fslp x fslp	2	\$2.99 ea
44	B456A	ball valve, 1/2" m x 1/2" f	1	\$16.49 ea	107	G091	gasket, 7", vac lid	1	\$11.99 ea
45	B205B	QD, 1/2" mpt x 3/4" mpt, pump-out	2	\$3.99 ea	108	G090	lid, vac tank, clear, 7"	1	\$36.99 ea
46	B204	qd, 3/4" female x female garden hose	2	\$7.99 ea	109	H304	screw, #8 x 5/8 phl oval, s/s	6	\$0.99 ea
47	H541A	valve, float, outflow	1	\$108.99 ea	110	PH633-1	pipe, pvc, 1-1/2"	2	\$4.99 ft
48	B198	adapter, 3/4" fgh x 1/2" mpt, w/ gasket	1	\$16.99 ea	111	G003	filter, foam, 2" x 50" o.d.	2	\$4.99 ea
49	B167	street elbow, 1/2" fpl x 1/2" mpt	1	\$10.99 ea	112	G097	screen, mesh filter, 1-1/2" dia	2	\$4.99 ea
50	B303	nipple, 3" x 1/4" npt x 1/4" npt	2	\$8.99 ea	113	F502	adapter, 1.5" pvc, fslp x fslp	2	\$5.00 ea
51	B208	coupling, 3/8" fpl x 1/4" fpl	1	\$8.99 ea	114	PH633-06	pipe, pvc, 1-1/2"	2	\$4.99 ft
52	H541C	chemical injector	1	\$39.99 ea	115	PH633-03	pipe, pvc, 1-1/2"	2	\$4.99 ft
53	B186	elbow, brass, 90 deg, 3/8" mpt x 3/8" mpt	3	\$8.99 ea	116	PH633-4	pipe, pvc, 1-1/2"	2	\$4.99 ft
54	H299	washer, 1 1/16" id x 1 1/2" od x .075, s/s	9	\$0.99 ea	117	H163	elbow, inlet assembly 2"	1	\$15.99 ea
55	B129	nipple, hex, 1/8" mpt x 1/8" mpt	2	\$1.99 ea	118	H225	valve, drain, 1-1/2"	1	\$20.99 ea
56	B103	elbow, brass, 90 deg, 1/4" mpt x 1/4" fpl	1	\$4.49 ea	119	H226	spout, drain, 45 degree	1	\$3.19 ea
57	B216	nipple, brass, 3/8" x close	2	\$1.99 ea	120	P510	LX series vac tank	1	\$99.99 ea
58	B210	bushing, brass, 1/2" mpt x 3/8" fpl, hex	2	\$2.49 ea	121	H333	mesh filter, auto dump, 1/2" npt	1	\$12.99 ea
59	B119A	filter, strainer, 1/2"	1	\$6.49 ea	122	H503	vac support, 3 stage, 3.25", no fhrs	6	\$3.99 ea
60	H201	bolt, 1/4-20 x 1/2", hex head, zinc	2	\$0.99 ea	123	G004	gasket, vacuum motor	2	\$8.99 ea
61	H213	washer, 1/4" lock, s/s	8	\$0.99 ea	124	PH628-7	vac hose, 2", black, wire reinforced	2	\$8.99 ft
62	H378	bracket, front hinge, sp/ib	1	\$8.99 ea					

**ITEMS NOT SHOWN**

PART NO.	DESCRIPTION	QTY	MSRP
E530	power cord, ext 50', 12/3, black	2	\$74.99 ea
E536	harness, electrical	1	\$78.99 ea
G008	piglet filter	1	\$6.29 ea
G076	filter bag, 3.5" metal oring, mesh bag	1	\$4.99 ea
H110	Cuff-Lynx, 2" hose x 2" fem swivel	1	\$3.99 ea
H141	Cuff-Lynx, 2" x 1.5" reducer	1	\$3.99 ea
H375	hanger, wire formed, hose	1	\$6.99 ea
P568A	cord lock, S-type	2	\$8.99 ea



**MYTEE PRODUCTS, INC.**  
 1022013  
 TITLE: speedster  
 SIZE DWG. NO. C LTD 12  
 REV M  
 SCALE: 1:12  
 SHEET 1 OF 3

NAME: MALABAR  
 DATE: 10/20/13  
 CHECKED:

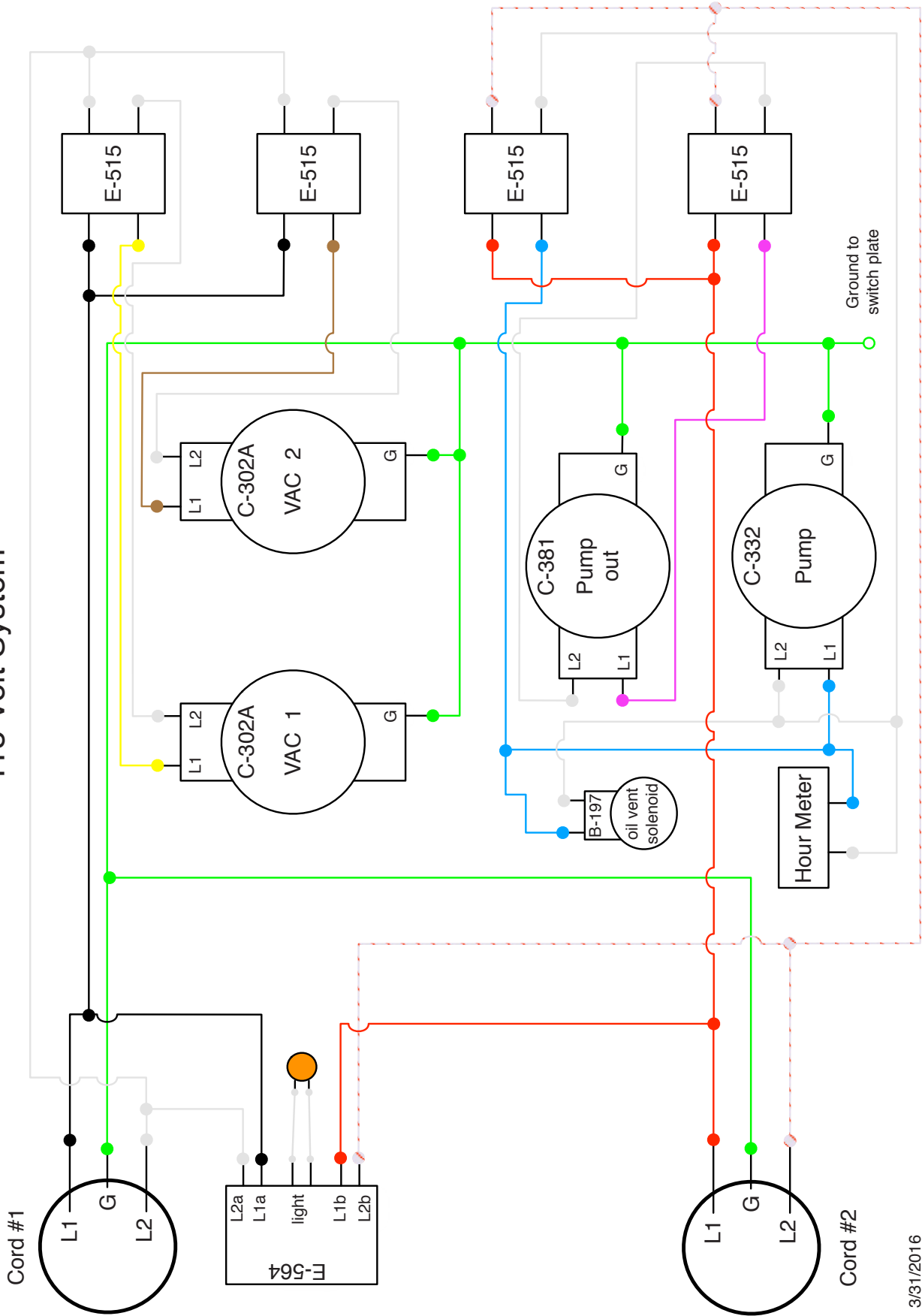
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Part prices are subject to change.



# SPEEDSTER® LTD12 WIRING DIAGRAM

## LTD12 115 Volt System



3/31/2016

# NOTES



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