

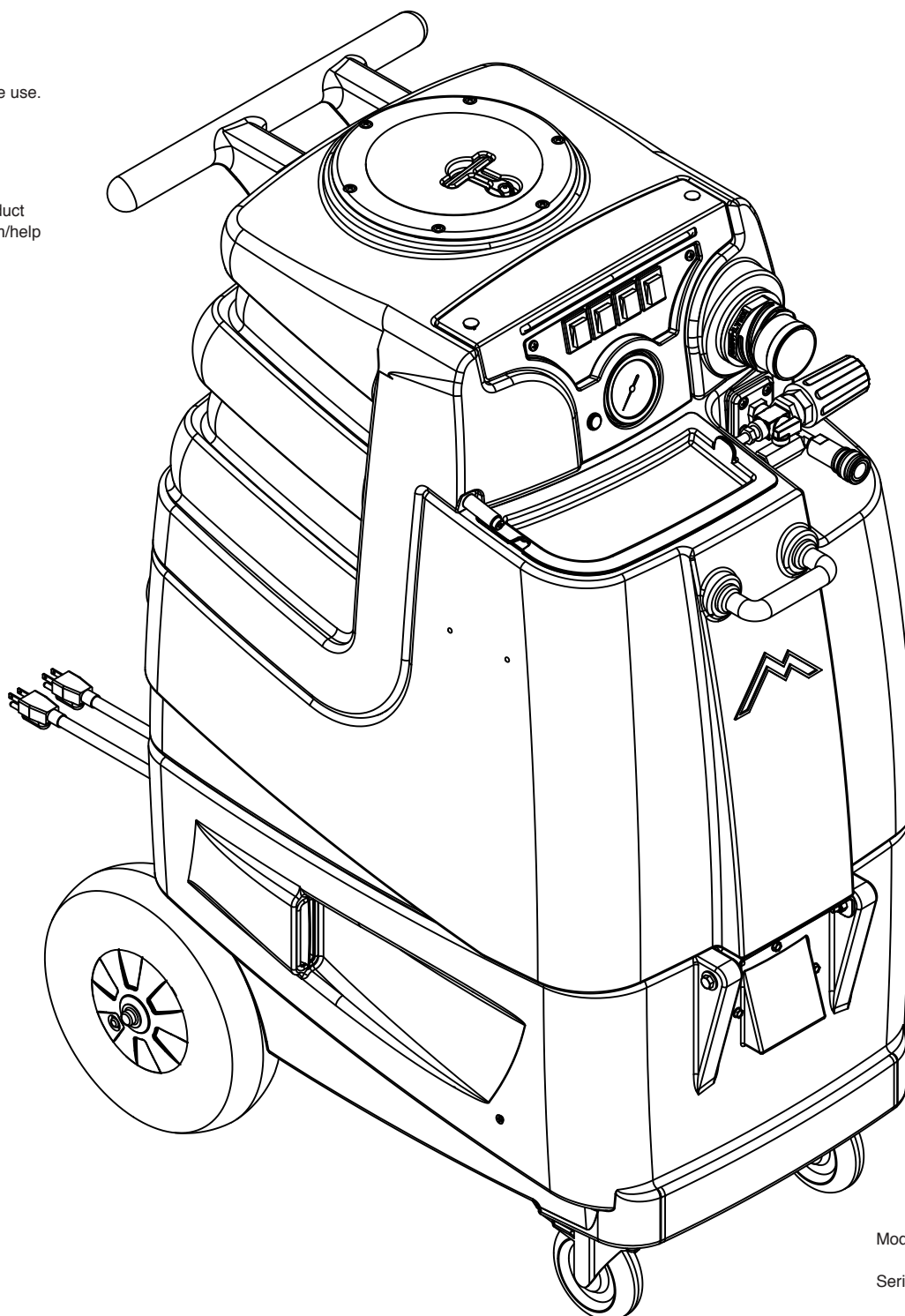
# Instructions for Speedster<sup>®</sup> LTD3, LTD5 & LTD12



Please read before use.



Register your product  
at [www.mytee.com/help](http://www.mytee.com/help)



LTD3 p.2  
LTD5 p.9  
LTD12 p.16  
General & Maintenance information p.23

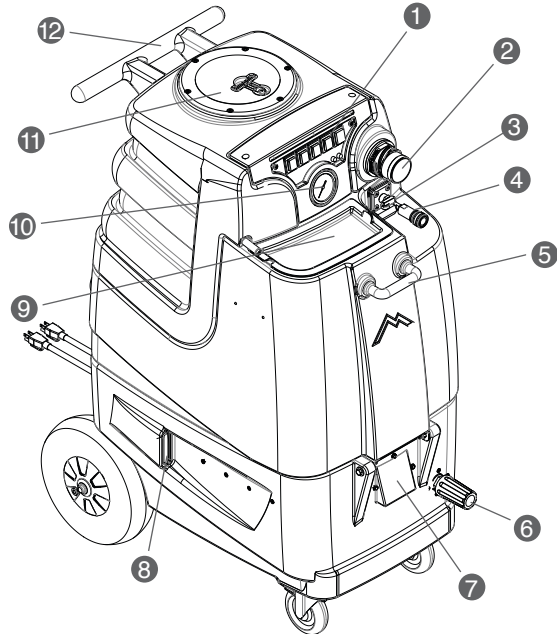
Model # \_\_\_\_\_

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

Form # ADM-SLTD

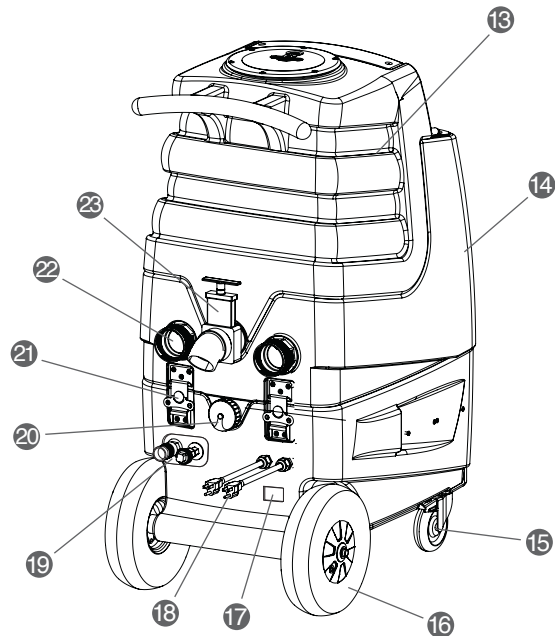
3-12

## SPEEDSTER® LTD3 FRONT



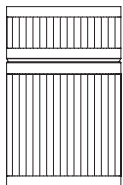
- |                                 |                  |
|---------------------------------|------------------|
| 1. Switch Plate                 | 7. Front Fan     |
| 2. 2" Male Cuff-Lynx™ Inlet     | 8. Side Vents    |
| 3. Prime Valve                  | 9. Solution Lid  |
| 4. Female Quick Disconnect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

## SPEEDSTER® LTD3 BACK

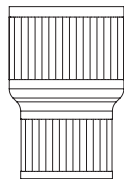


- |   |                               |
|---|-------------------------------|
| 13. Recovery Tank                         | 19. Auto Fill/Pump Out        |
| 14. Solution Tank                         | Hose Connections              |
| 15. 4" Locking Casters                    | 20. Solution Tank Drain       |
| 16. 10" foam filled semi-pneumatic wheels | 21. Service Latches           |
| 17. Hour Meter                            | 22. Rear Vacuum Exhaust       |
| 18. Power Cords                           | Optional Muffler Port         |
|   | 23. Recovery Tank Drain Valve |

## SPEEDSTER® LTD3 ITEMS INCLUDED



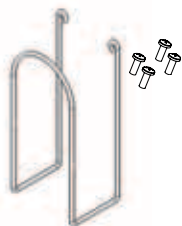
H110 Cuff-Lynx™  
2" x 2" Hose Adapter



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



G008 - Pack of Piglet™  
filters



H375- Hose Hanger  
(4) screws

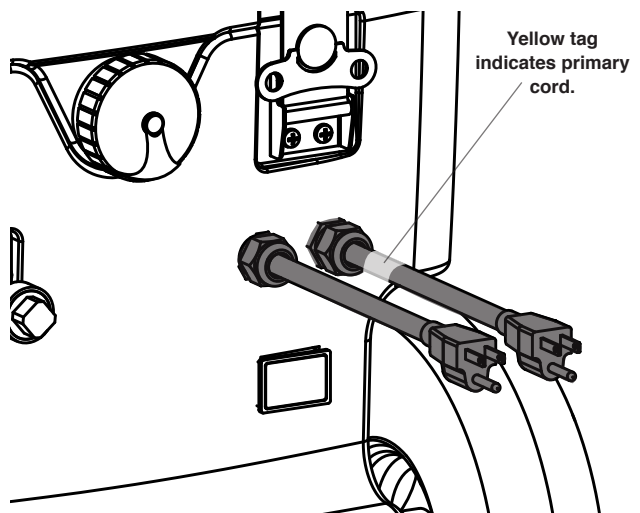


H226 Drain Elbow

## SPEEDSTER® LTD3 CORD

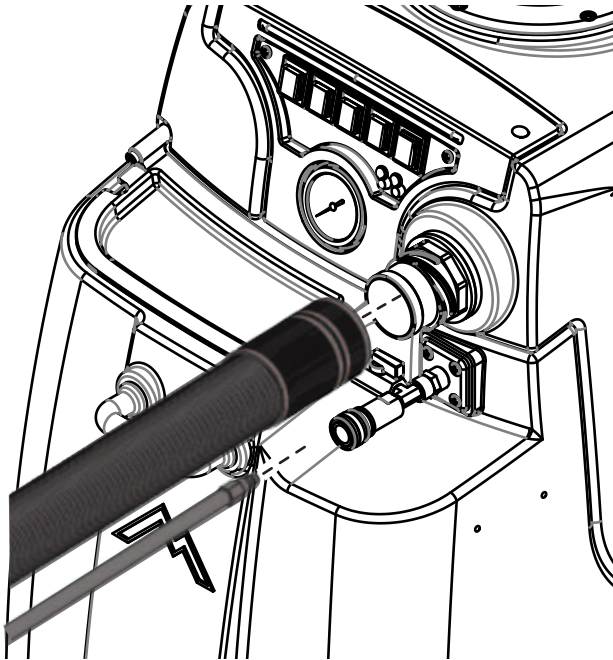
**(Primary) Right Cord:** Plug in yellow-tagged power cable for Power To Vac 1, Pump, & 600W Heater.

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



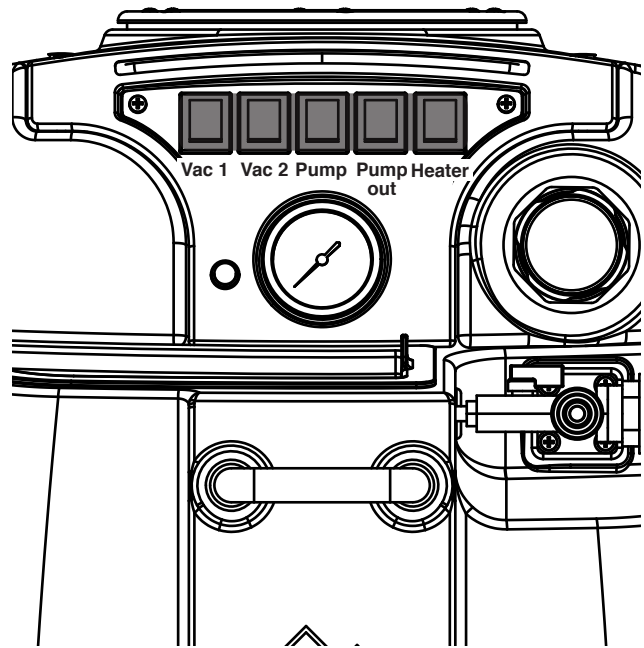
Plug each power cord into a separate, 20A grounded wall outlet. **Outlets must be on two separate breakers.** When the amber light on the switch plate illuminates and the audible tone sounds, the machine is on separate circuits (not necessarily 20A circuits). You can identify the primary cord by the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

**SPEEDSTER® LTD3 VAC/SOL  
HOSE CONNECTIONS**



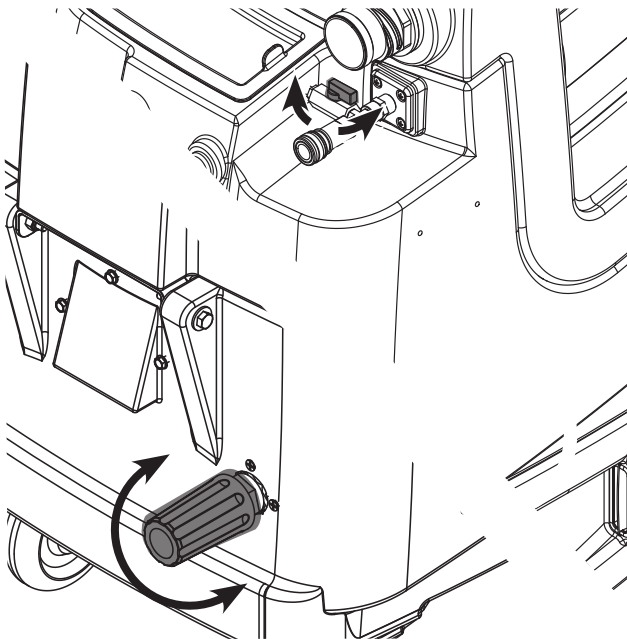
Attach female end of a solution hose to a wand or tool and the male end to the LTD's QD. Then connect a vacuum hose to a wand and the 2" male Cuff-Lynx™ hose port. (If using the optional de-foamer, install the kit onto the vacuum port according to the instructions that come with the de-foamer kit.)

**SPEEDSTER® LTD3 SWITCHES**



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.

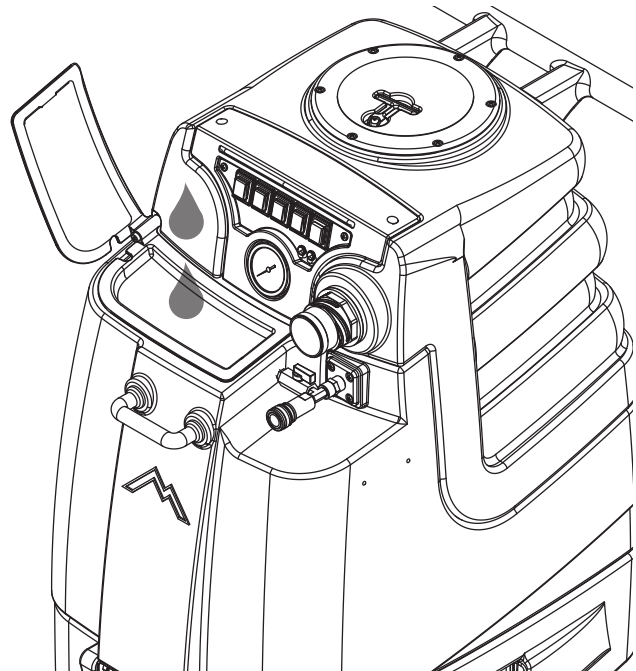
**SPEEDSTER® LTD3 PRIME VALVE &  
PRESSURE REGULATOR**



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.

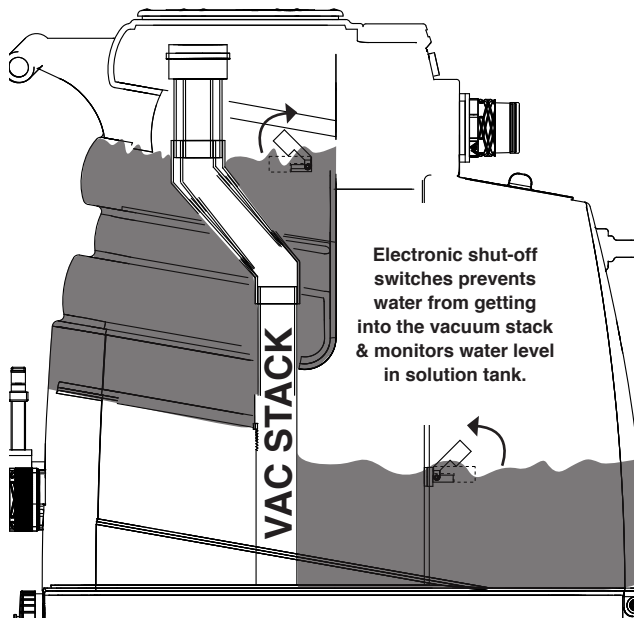
\*Please refer to the Pressure Gauge to monitor your water pressure.

**SPEEDSTER® LTD3 FILL SOLUTION TANK**



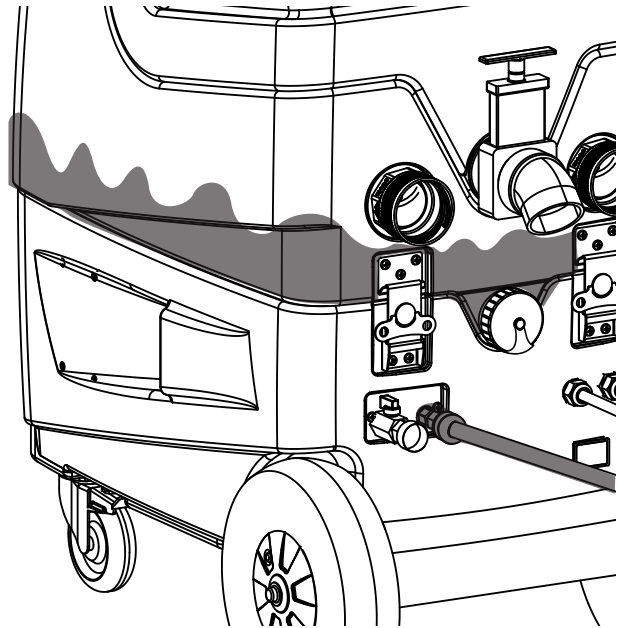
You can lift the lid to manually fill the tank or follow the "Operating Instructions" for auto-fill use.

## SPEEDSTER® LTD3 FLOAT SWITCHES



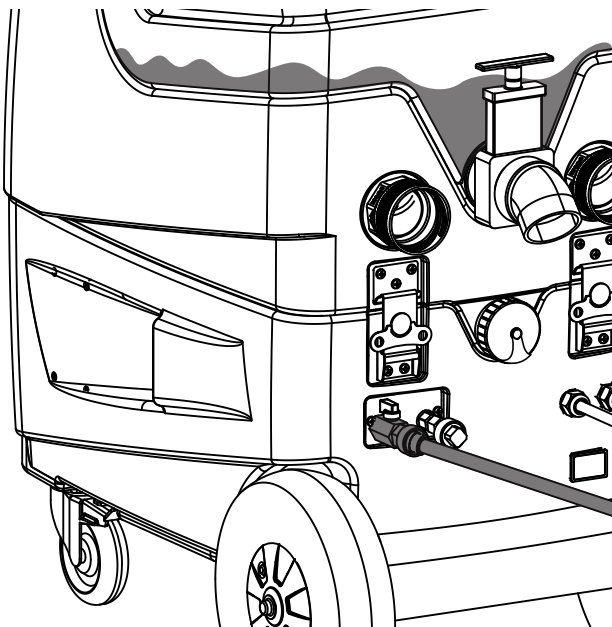
The LTD is equipped with an electronic float switch inside the recovery and solution tank. The recovery float switch is activated by rising water to prevent suction into the vacuum stacks damaging the motors. The solution float switch shuts off the auto-fill once water level reaches switch.

## SPEEDSTER® LTD3 AUTO-FILL CONECTIONS



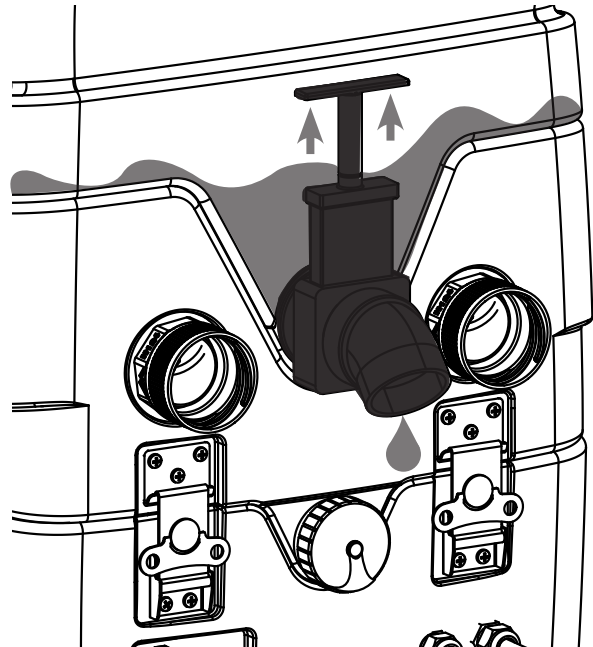
Using one end of a ½" garden hose, attach it to the mounted connection behind the LTD unit, then attach the other end to the desired faucet connection. Turn on the faucet water and let the auto-fill begin to fill. It will shut off when the water level reaches the LTD's electronic float switch.

## SPEEDSTER® LTD3 PUMP-OUT CONNCTIONS



Using a separate ½" garden hose, attach one end to the LTD's mounted pump-out connection and lay the other end of the hose in a drainable location. With the pump-out switch activated and the valve parallel with its pipe, the unit will automatically drain water from the fill tank while the auto-fill maintains water levels. Make sure ball valve is open!

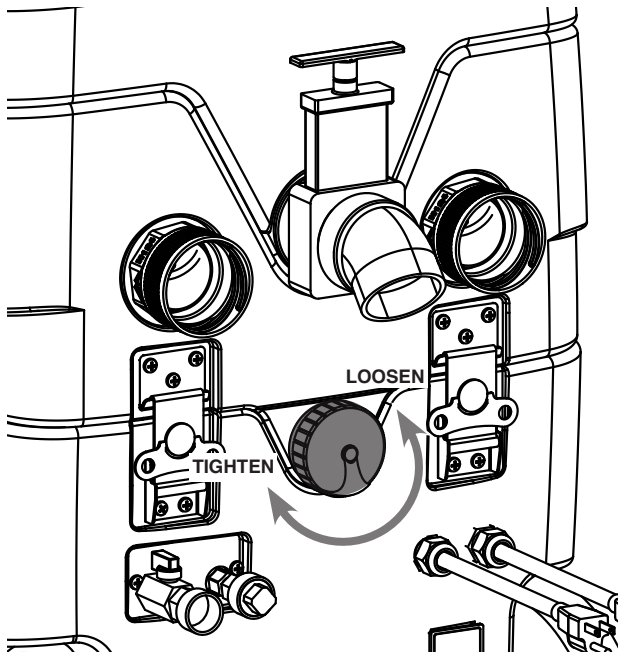
## SPEEDSTER® LTD3 RECOVERY DRAIN VALVE



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

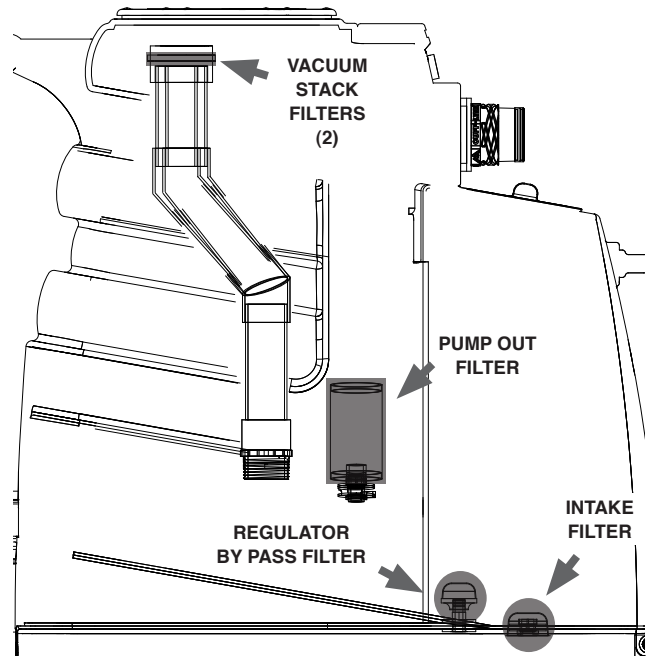


**SPEEDSTER® LTD3 SOLUTION TANK DRAIN VALVE**



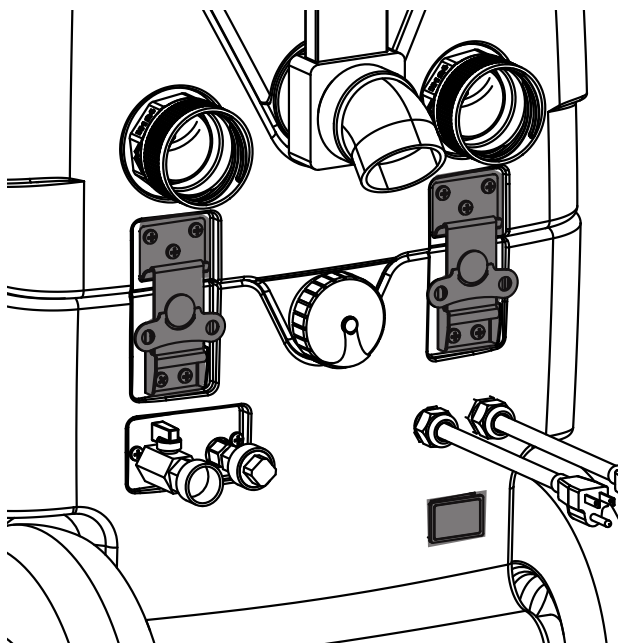
To remove any remaining water in the solution tank, located on the back of the unit is a cap, twist and remove cap to empty tank.

**SPEEDSTER® LTD3  
FILTER MAINTENANCE**



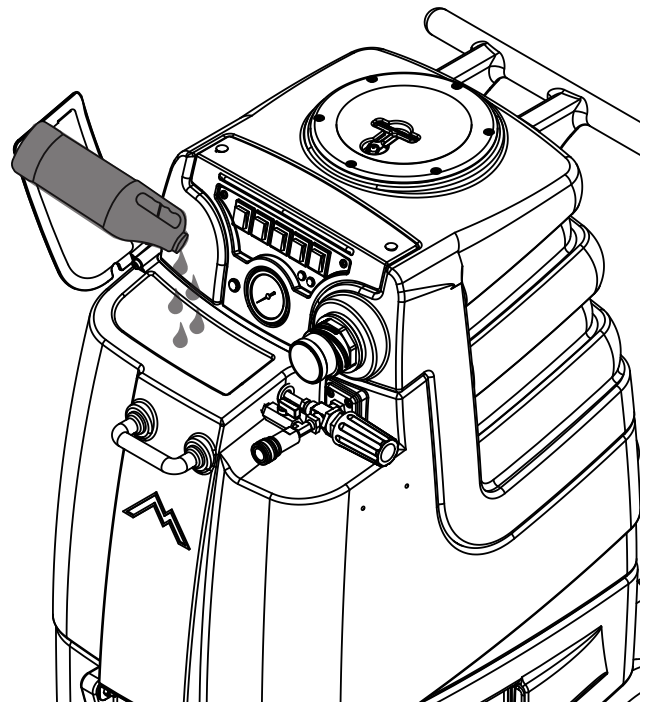
The LTD's five internal filters must be cleaned regularly and are located in the locations listed in the following diagram. Twist the filters to remove them then clean and replace in original locations. If a filter is torn or damaged, replace with a new one.

**SPEEDSTER® LTD3 TANK LATCHES  
& PUMP HOUR METER**



The rear latches can be unlatched from the lower half of the unit to open it for internal repairs and cleaning. To unlatch, flip and twist latches. The hour meter activates when the pump is turned on. This helps monitor usage and when to make oil changes. Refer to p.24 for oil maintenance instructions.

**MYTEE® SYSTEM MAINTAINER**

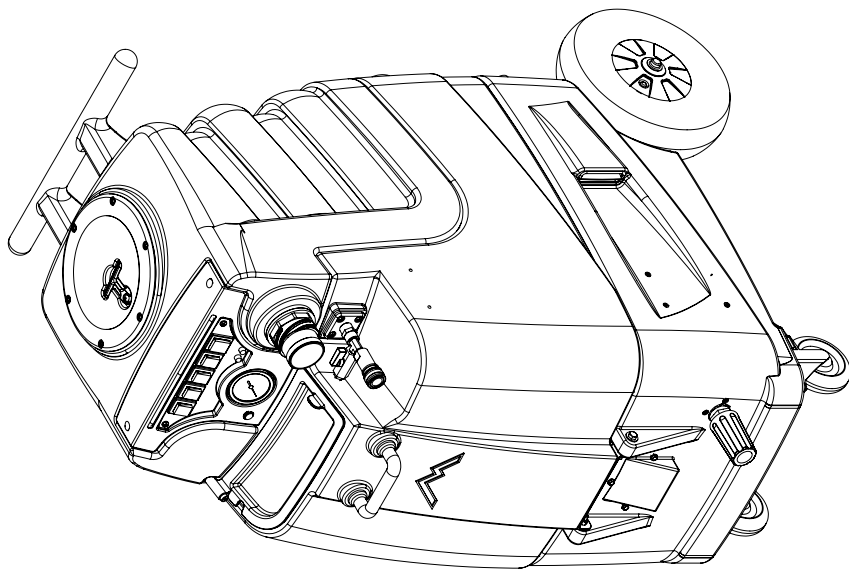


Weekly flushing of the solution system with Mytee System Maintainer helps keep lines clean and prevents chemical build-up, improving pump life, performance, and pressure.

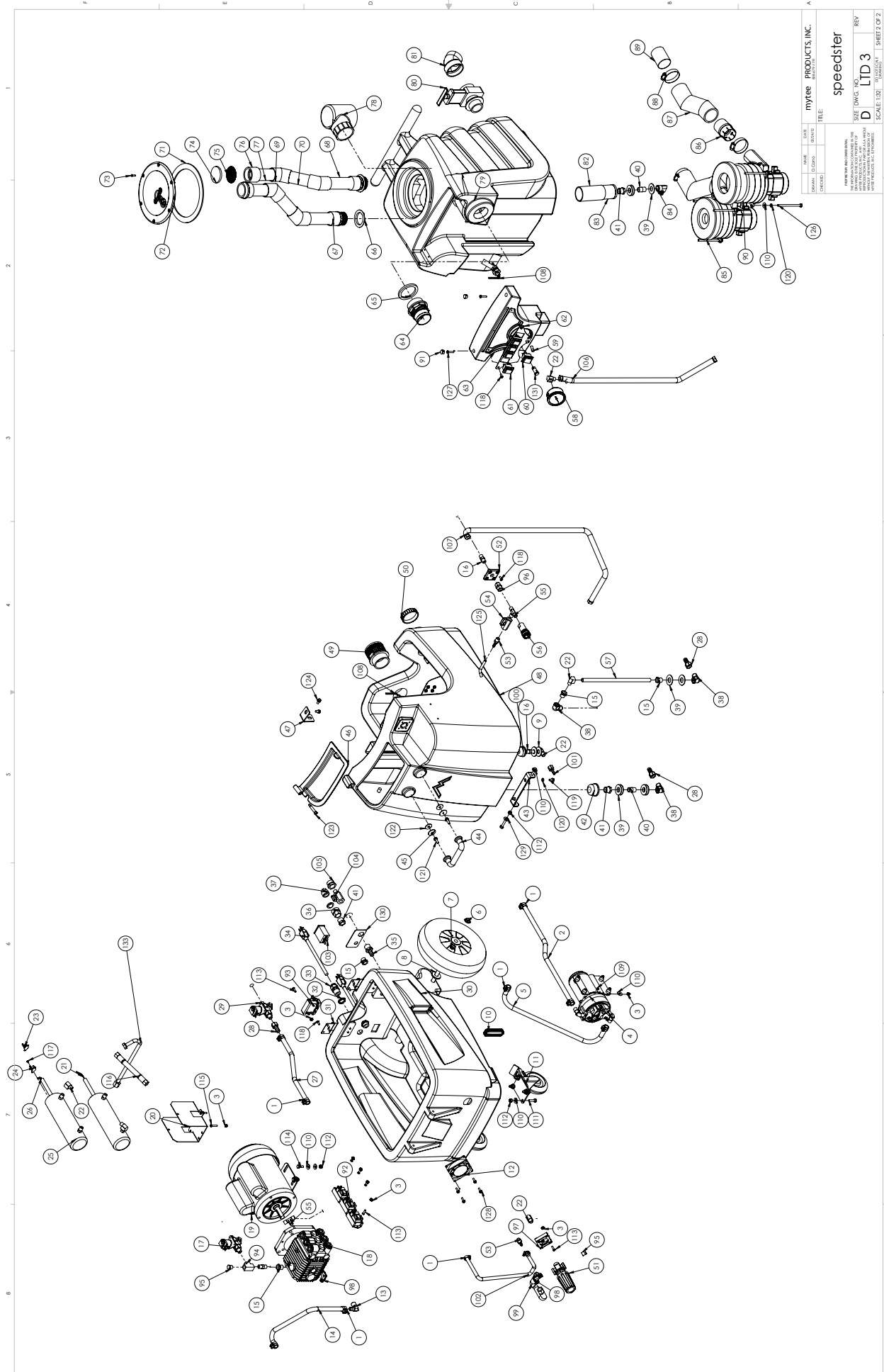
Order parts at: [www.mytee.com/products/product.php?id=LTD3](http://www.mytee.com/products/product.php?id=LTD3)

ITEMS NOT SHOWN

PART NO.	DESCRIPTION	QTY	MSRP
E512C	strip LED indicator lights	1	\$24.49 ea
E530	power cord, ext 50', 12/3, Black	2	\$74.99 ea
G008	pigtail filter	1	\$6.29 pack
H110	Cuff-Lynx, 2" hose x 2" fem swivel	1	\$3.99 ea
H140	Cuff-Lynx, female swivel x female thread, 2"	1	\$3.99 ea
H141	Cuff-Lynx, 2 x 1.5" reducer	1	\$3.99 ea
AD127	stop sign, register your product	1	
ADM-Cuff Lynx	Cuff-Lynx instruction guide	1	



# SPEEDSTER® LTD3 PARTS & PRICING

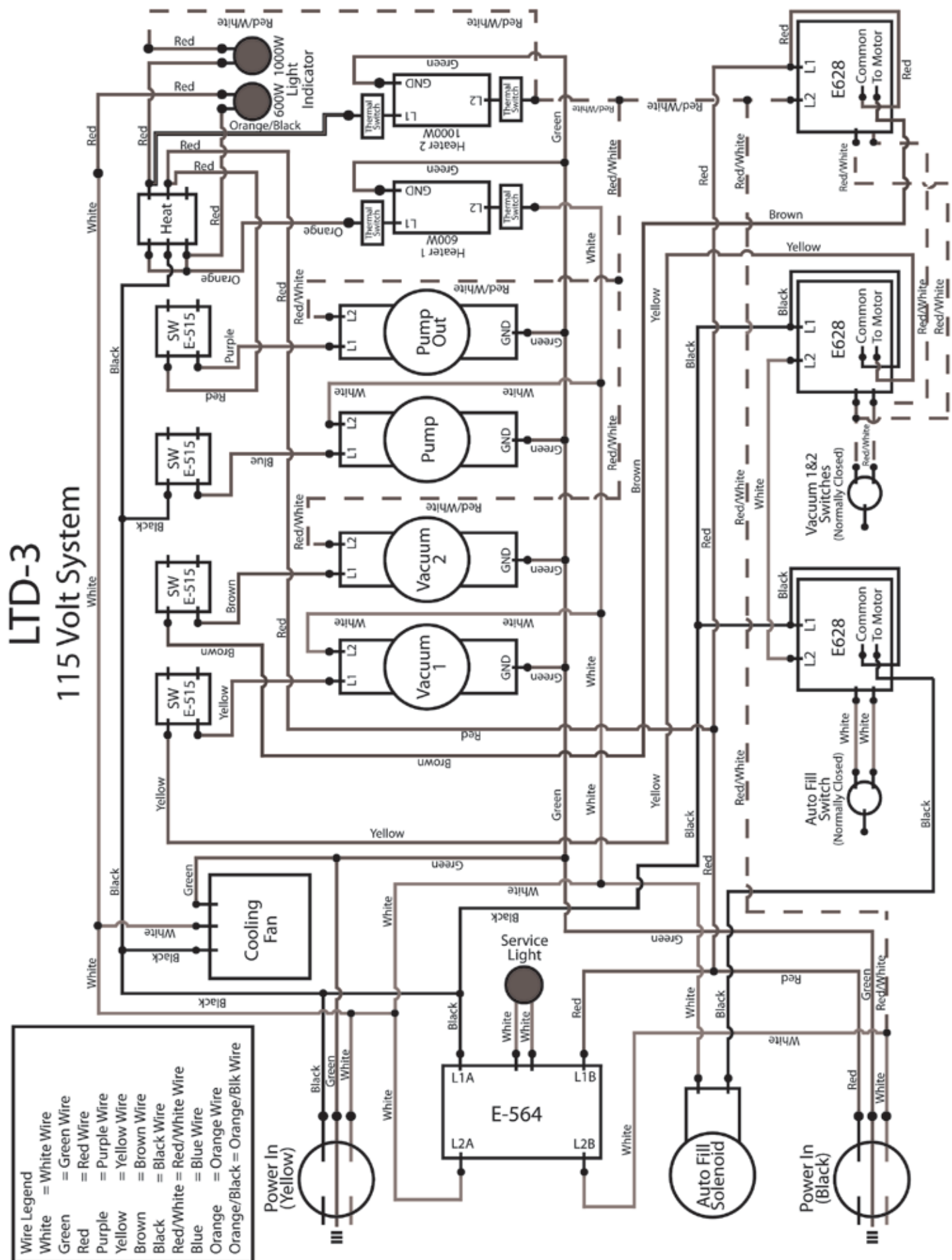


mytee	PRODUCTS, INC.
DATE	REV
DESIGNED	DATE
ENGINEER	FILE

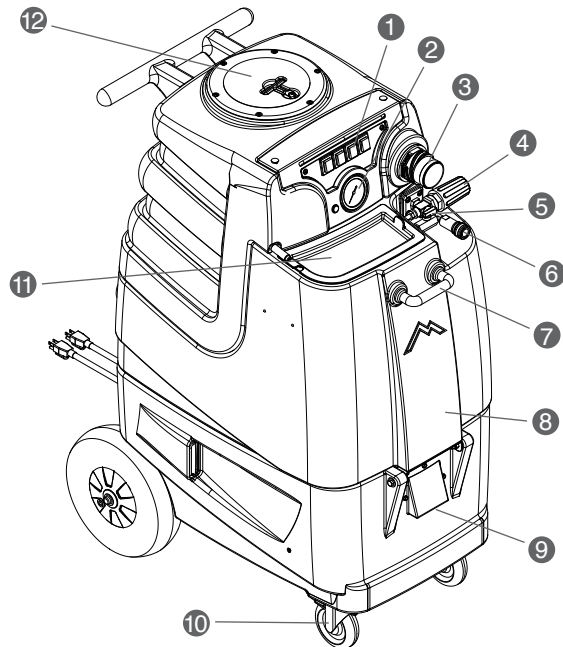
speedster  
D LTD 3  
SCALE 1:32

FOR ALL INFORMATION, CONTACT MYTEE PRODUCTS, INC. AT 1-800-854-8544. MYTEE PRODUCTS, INC. IS NOT RESPONSIBLE FOR ANY DAMAGE TO YOUR PROPERTY OR PERSONAL INJURY CAUSED BY THE USE OF ANY OF THE PRODUCTS DESCRIBED HEREIN. MYTEE PRODUCTS, INC. IS NOT RESPONSIBLE FOR ANY DAMAGE TO YOUR PROPERTY OR PERSONAL INJURY CAUSED BY THE USE OF ANY OF THE PRODUCTS DESCRIBED HEREIN.

# SPEEDSTER® LTD3 WIRING DIAGRAM

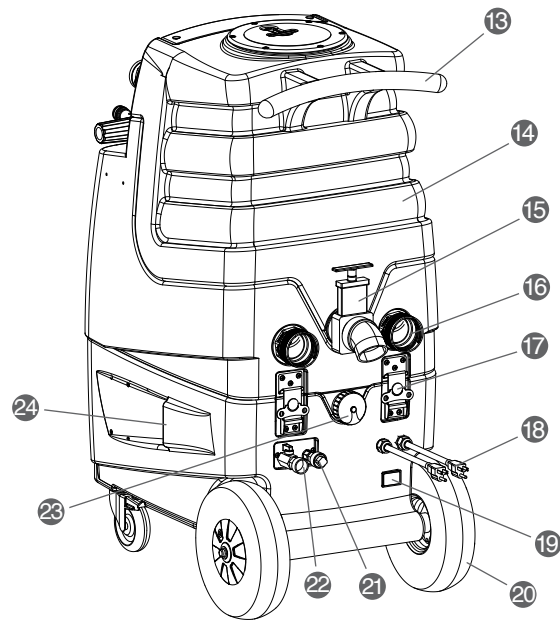


## SPEEDSTER® LTD5 FRONT



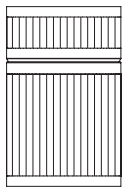
- |                             |                        |
|-----------------------------|------------------------|
| 1. Switch Plate             | 7. Front Handle        |
| 2. PSI Gauge                | 8. Solution Tank       |
| 3. 2" Male Cuff-Lynx™ Inlet | 9. Front Vent          |
| 4. Pressure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

## SPEEDSTER® LTD5 BACK

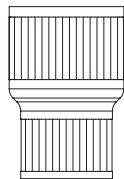


- |                               |   |
|-------------------------------|---|
| 13. Push Handle               | 19. Hour Meter                            |
| 14. Recovery Tank             | 20. 10" foam filled semi-pneumatic wheels |
| 15. Recovery Tank Drain Valve | 21. Auto Fill Connection                  |
| 16. Rear Vacuum Exhaust       | 22. Pump Out Hose Connection              |
| Optional Muffler Port         | 23. Solution Tank Drain                   |
| 17. Service Latches           | 24. Side vent                             |
| 18. Power cords               |   |

## SPEEDSTER® LTD5 ITEMS INCLUDED



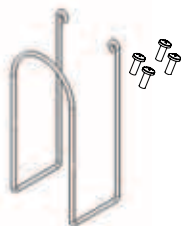
H110 Cuff-Lynx™  
2" x 2" Hose Adapter



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



G008 - Pack of Piglet™  
filters



H375- Hose Hanger  
(4) screws

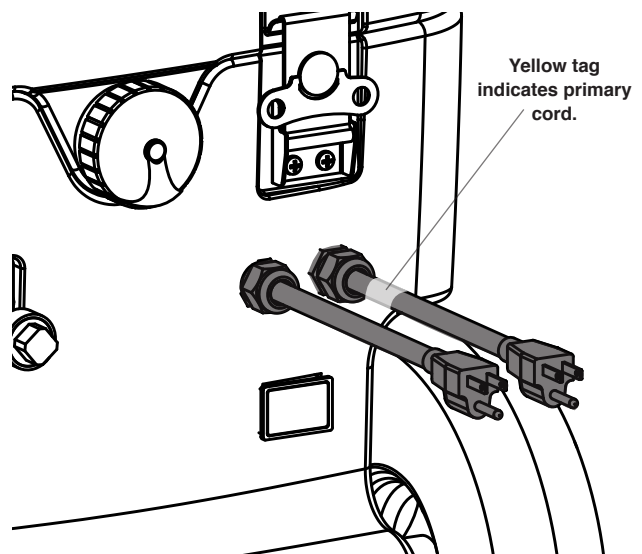


H226 Drain Elbow

## SPEEDSTER® LTD5 CORDS

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

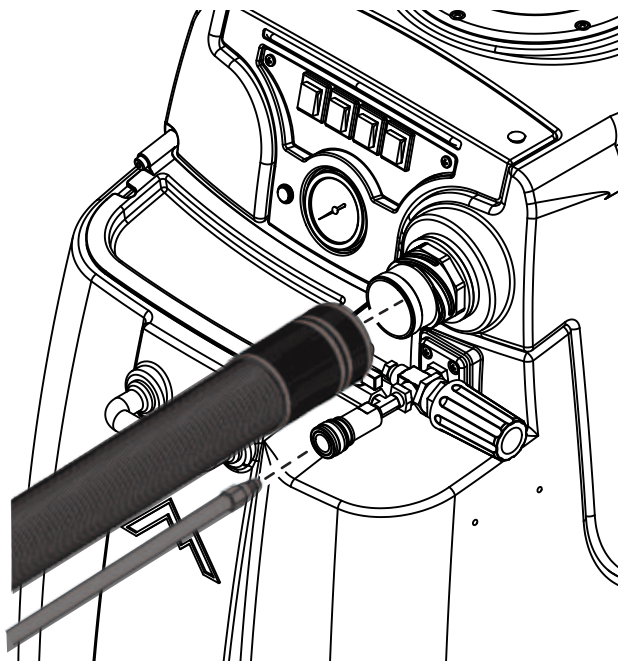
**(Secondary) Left Cord:** Plug in power cable for Vac 2 and the Pump-Out.



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.

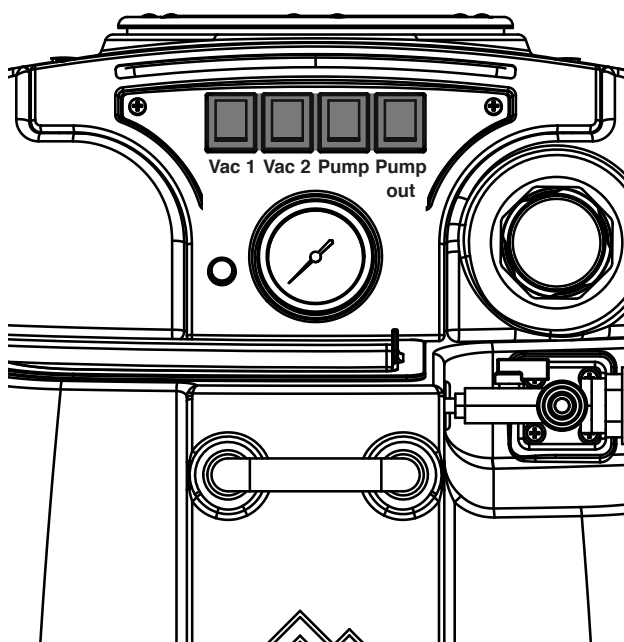


## SPEEDSTER® LTD5 VAC/SOL HOSE CONNECTIONS



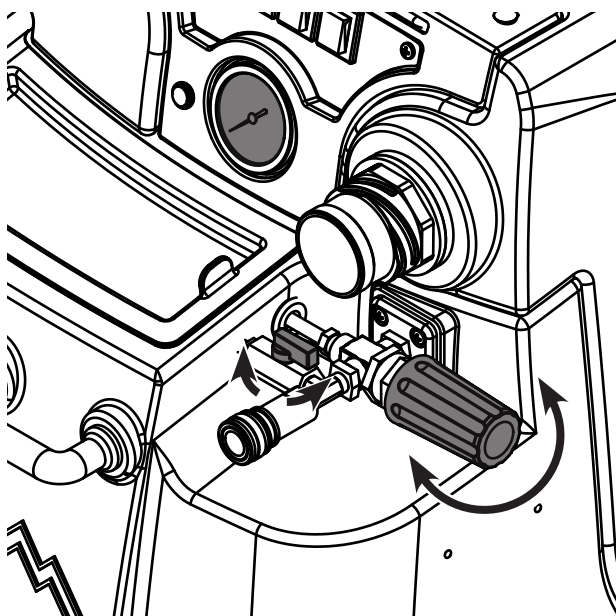
Attach female end of a solution hose to a wand or tool and the male end to the LTD's QD. Then connect a vacuum hose to a wand and the 2" male Cuff-Lynx™ hose port. (If using the optional de-foamer, install the kit onto the vacuum port according to the instructions that come with the de-foamer kit.)

## SPEEDSTER® LTD5 SWITCHES



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.

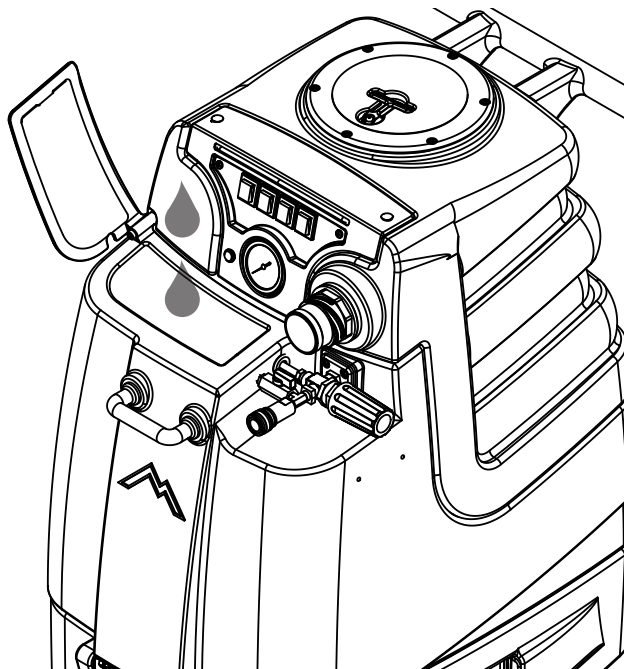
## SPEEDSTER® LTD5 PRIME VALVE & PRESSURE REGULATOR



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.

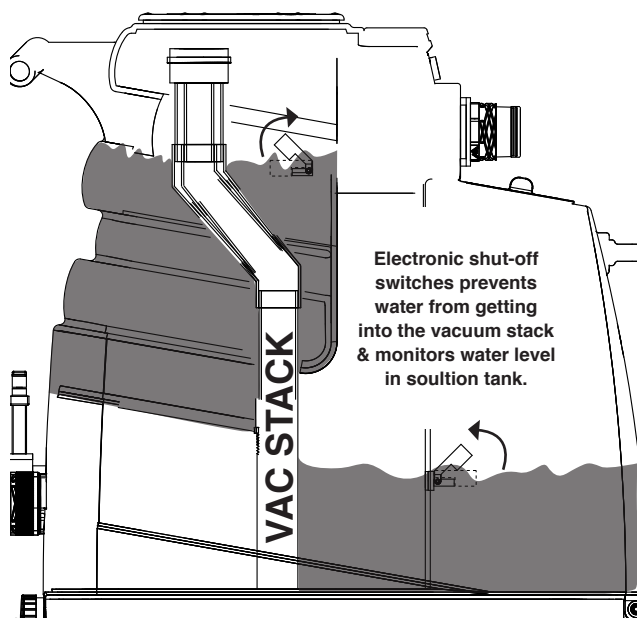
\*Please refer to the Pressure Gauge to monitor your water pressure.

## SPEEDSTER® LTD5 FILL SOLUTION TANK



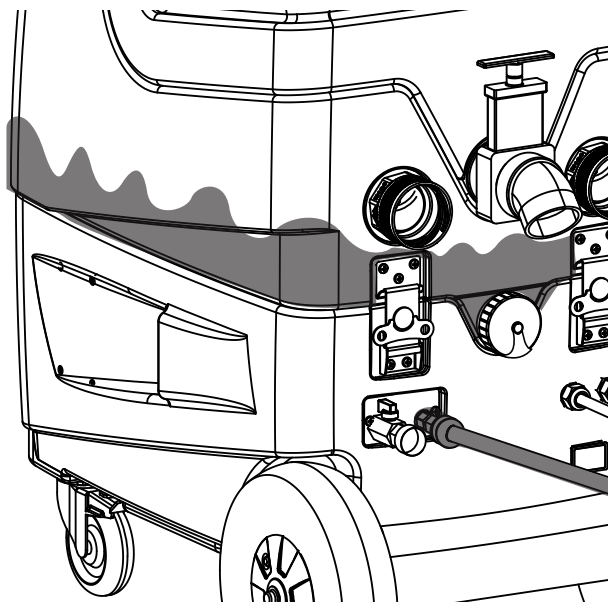
You can lift the lid to manually fill the tank or follow the "Operating Instructions" for auto-fill use.

### SPEEDSTER® LTD5 FLOAT SWITCHES



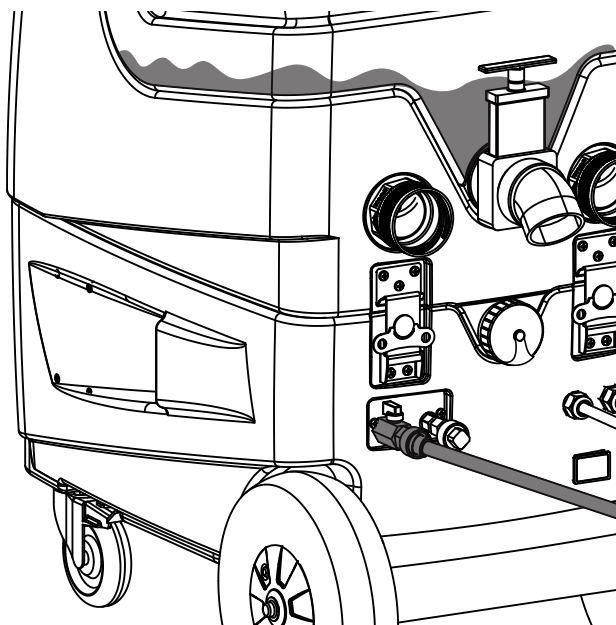
The LTD is equipped with an electronic float switch inside the recovery and solution tank. The recovery float switch is activated by rising water to prevent suction into the vacuum stacks damaging the motors. The solution float switch shuts off the auto-fill once water level reaches switch.

### SPEEDSTER® LTD5 AUTO-FILL CONECTIONS



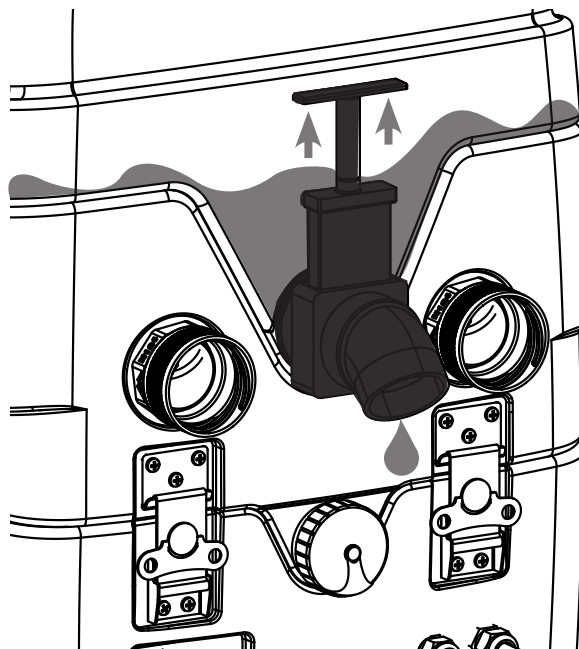
Using one end of a 1/2" garden hose, attach it to the mounted connection behind the LTD unit, then attach the other end to the desired faucet connection. Turn on the faucet water and let the auto-fill begin to fill. It will shut off when the water level reaches the LTD's electronic float switch.

### SPEEDSTER® LTD5 PUMP-OUT CONNECTIONS



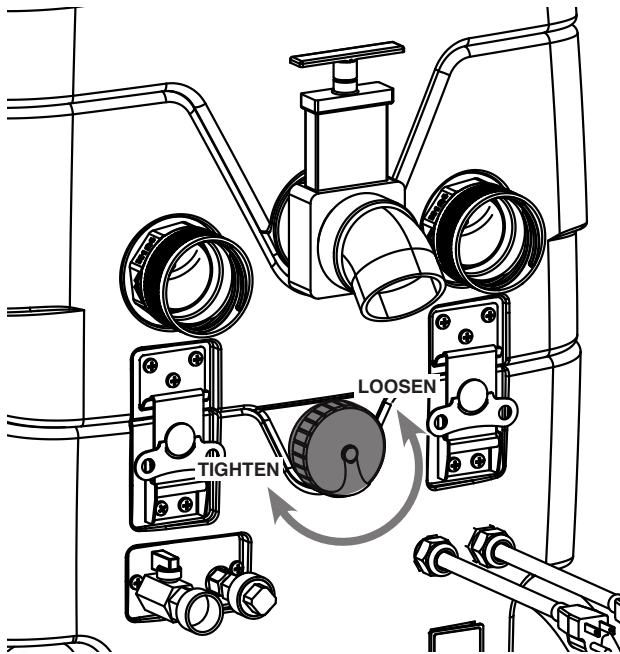
Using a separate 1/2" garden hose, attach one end to the LTD's mounted pump-out connection and lay the other end of the hose in a drainable location. With the pump-out switch activated and the valve parallel with its pipe, the unit will automatically drain water from the fill tank while the auto-fill maintains water levels. Make sure ball valve is open!

### SPEEDSTER® LTD5 RECOVERY DRAIN VALVE



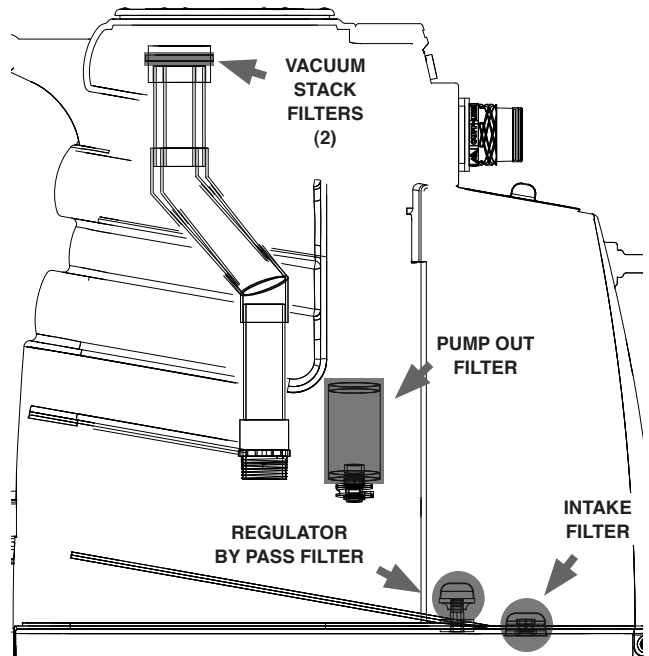
Make sure the Auto-Fill is turned off and then locate and lift the bucket high drain valve on the rear of the LTD unit to empty the tanks.

## SPEEDSTER® LTD5 SOLUTION TANK DRAIN VALVE



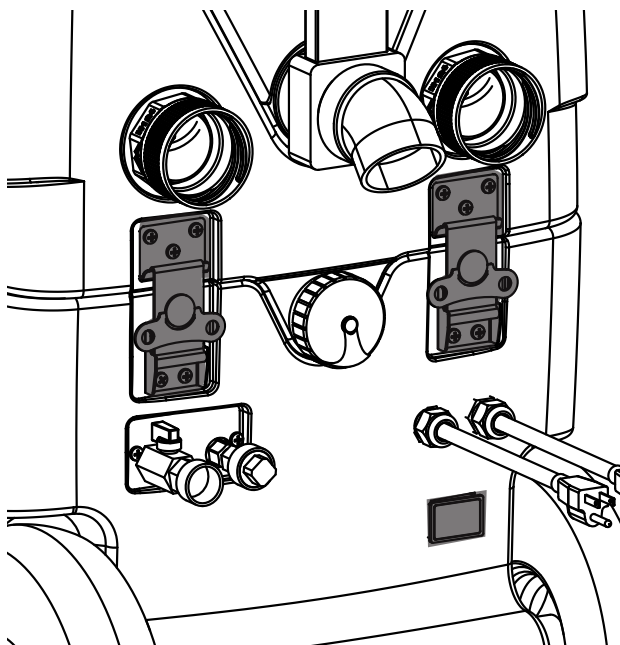
To remove any remaining water in the solution tank, located on the back of the unit is a cap, twist and remove cap to empty tank.

## SPEEDSTER® LTD5 FILTER MAINTENANCE



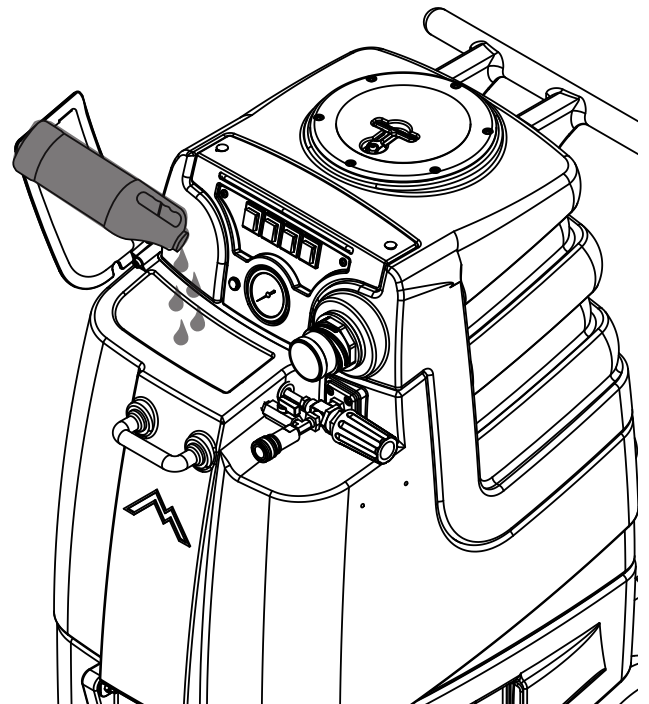
The LTD's five internal filters must be cleaned regularly and are located in the locations listed in the following diagram. Twist the filters to remove them then clean and replace in original locations. If a filter is torn or damaged, replace with a new one.

## SPEEDSTER® LTD5 TANK LATCHES & PUMP HOUR METER



The rear latches can be unlatched from the lower half of the unit to open it for internal repairs and cleaning. To unlatch, flip and twist latches. The hour meter activates when the pump is turned on. This helps monitor usage and when to make oil changes. Refer to p.24 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

ITEM NO.		PART NO.	DESCRIPTION	QTY.	MSRP
62	B109		adapter, brass, 1/4" barb x 1/4" mpt	2	\$1.99 ea
63	B656		ball valve, 1/4"	1	\$13.49 ea
64	B135		tee, brass, 1/4" mpt	2	\$5.49 ea
65	B102		qd, brass, 1/4" f	1	\$17.99 ea
66	G034		grommet, rubber, 3/4" ID x 1-5/8" OD	1	\$6.49 ft
67	PH634-20		sol hose, 1/4", 300 PSI	1	\$36.49 ft
68	B115		nipple, 1/2" x 1/4" npt, m x m	1	\$23.99 ea
69	H308D		gauge, pressure, 2000 PSI	1	\$38.99 ea
70	E512B		light, indicator, 125v (amber)	1	\$9.99 ea
71	E515		switch, rocker, 2 position	4	\$13.99 ea
72	H074		switch plate, lx, 4 hole	1	\$5.99 ea
73	P512		LX series switchbox	1	\$23.99 ea
74	H135		Cuff-Lynx, 2' m cuff x 2' mpt	1	\$3.99 ea
75	G083		gasket, 2" inlet	1	\$2.49 ea
76	H314		nut, lock, 1-1/2", steel	2	\$1.99 ea
77	P520		adapter, pvc, 1-1/2" mpt x 1-1/2" fms	2	\$2.99 ea
78	PH633-6		pipe, pvc, 1.5"	2	\$4.99 ft
79	P503		adapter, 1.5" pvc, 45 deg, fsip x fsip	4	\$4.99 ea
80	PH633-4.375		pipe, pvc, 1.5"	2	\$4.99 ft
81	G091		gasket, 7", vac lid	1	\$11.99 ea
82	G090		lid, vac tank, black, 7"	1	\$36.99 ea
83	H304		screw, #8 x 5/8 phil oval, s/s	6	\$0.99 ea
84	PH633-1		pipe, pvc, 1-1/2"	2	\$4.99 ft
85	G022		filter, foam, 2-3/8" x 1"	2	\$2.99 ea
86	G021		screen, mesh filter, 2-3/8" dia	2	\$4.99 ea
87	P502		adapter, 1.5" pvc, fsip x fsip	2	\$4.99 ea
88	PH633-4.125		pipe, pvc, 1.5"	2	\$4.99 ft
89	A926		elbow, inlet assembly 2"	1	\$15.99 ea
90	P510		LX series vac tank	1	\$99.99 ea
91	H225		valve, drain, 1-1/2"	1	\$20.99 ea
92	H226		spout, drain, 45 degree	1	\$3.19 ea
93	H333		mesh filter, auto dump, 1/2" npt	1	\$9.99 ea
94	B236		elbow, brass, 90 deg, 1/2" barb x 3/8" fpt	1	\$14.49 ea
95	G004		gasket, vacuum motor	2	\$8.99 ea
96	PH628-7		vac hose, 2", black, wire reinforced	1	\$8.99 ft
97	H217		clamp, hose, 2-1/4" dia	4	\$1.49 ea
98	H194		coupler, 2" dia x 2.5"	2	\$9.99 ea
99	C302A		motor, 3-stage, 115 cfm, 14.5 amps	2	\$148.99 ea
100	H096		bolt 1/4-20 x 4 s/s	6	\$0.99
101	E373		level switch, vacuum shut-off, rear threads	2	\$8.99 ea
102	H031		plastic screw, 10 x 1"	2	\$0.99
103	H434		plug, vent, heyco, 1/2"	2	\$4.48 ea
104	E628		Level Switch Control	3	\$91.99
105	AH117		hose, pulse, black, 1/4" fswl x 1/4" fswl, 48" (OAL)	2	\$19.99
106	B113		tee, brass, 1/4" fpt	1	\$6.99 ea
107	B127		plug, brass, 1/4" mpt, hex	1	\$0.99
109	E564		controller, circuit light	1	\$62.49 ea
110	G028		sleeve, mesh, filter	1	\$13.99 ea
111	B656A		ball valve, 1/2" m x 1/2" f	1	\$13.49 ea
112	B196		fitting, brass, 3/4" mgh x 1/2" fpt	1	\$5.99 ea
113	H039		plate, back, LTD	1	\$9.99
114	B172		elbow, brass, 90 deg, 1/2" barb x 3/8" mpt	1	\$9.49 ea
115	PH615-23		sol hose, 1/2", 3045psi, black	1	\$8.99 ft
116	B640		filter, 60 mesh, garden hose	1	\$1.99 ea
117	E369		hour meter, panel mount, analog	1	\$35.99

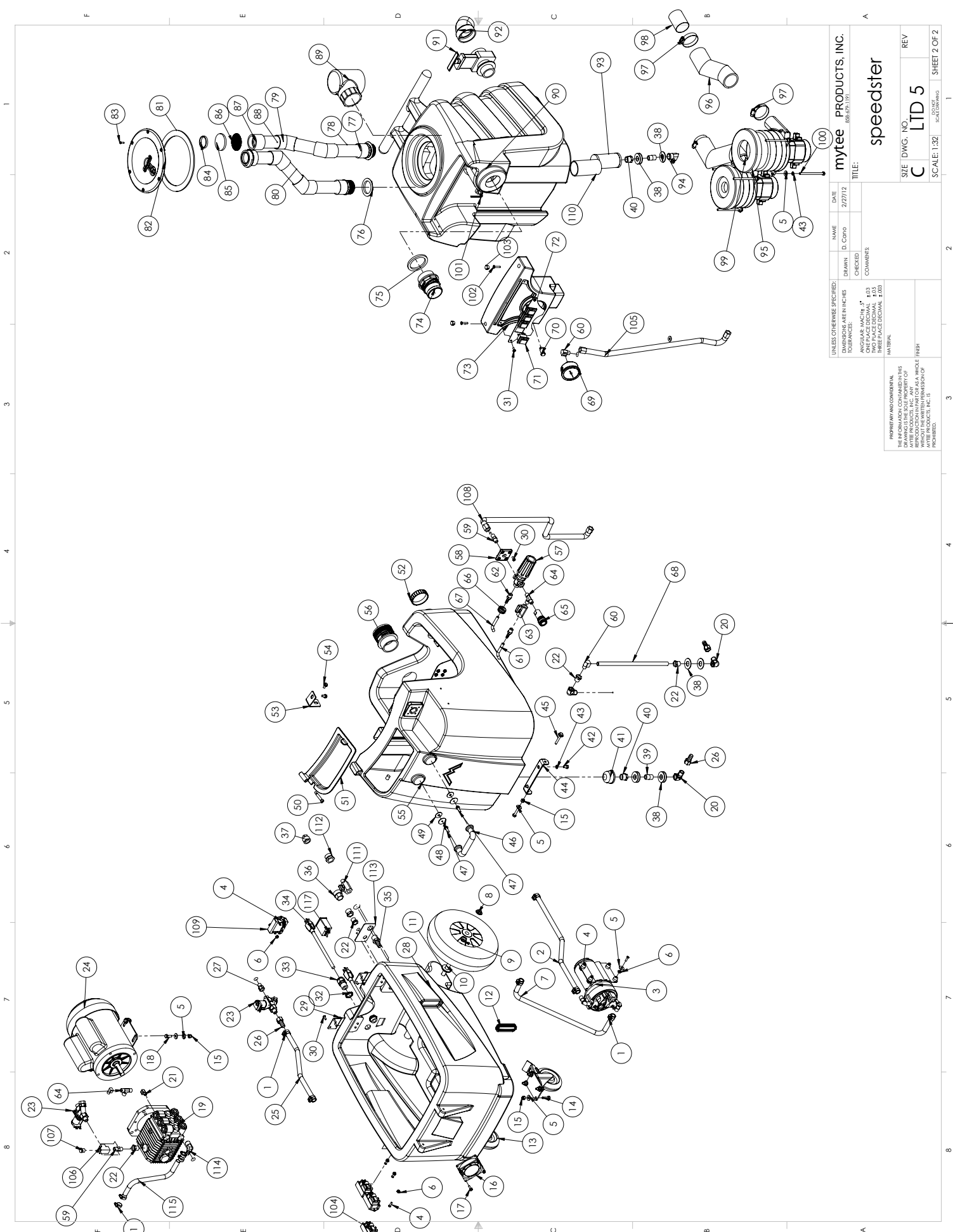
REV.	DESCRIPTION	DATE	APPROVED
OD	ORIGINAL DRAFT		JFL

ITEMS NOT SHOWN			
PART NO	DESCRIPTION	QTY	MSRP
E512C	strip, LED indicator lights	1	\$24.49 ea
E530	power cord, ext 50', 12/3, black	2	\$74.99 ea
G008	piglet filter	1	\$6.29 pak
H110	Cuff-Lynx, 2' hose x 2' fem swivel	1	\$3.99 ea
H140	Cuff-Lynx, female swivel x female thread	1	\$3.99 ea
H141	Cuff-Lynx, 2' x 1.5" reducer	1	\$3.99 ea
AD127	stop sign, register your product	1	n/a
ADM Cuff Lynx	Cuff-Lynx instruction guide	1	n/a

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	mytee PRODUCTS, INC.	
ANGLES ARE IN DEGREES	DRAWN	D. Conio	2/27/12	TITLE:	
TOLERANCES:	CHECKED	COMMENTS:			
ANGLES ARE IN DEGREES					
ONE PLACE DECIMAL					
TWO PLACE DECIMAL					
THREE PLACE DECIMAL					
MATERIAL:					
PROPERTY AND CONFIDENTIAL					
THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF MYTEE PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM MYTEE PRODUCTS, INC.					
REV		SIZE		DWG. NO.	
C		LTD 5		speedster	
REV		REV		REV	
C		LTD 5		REV	

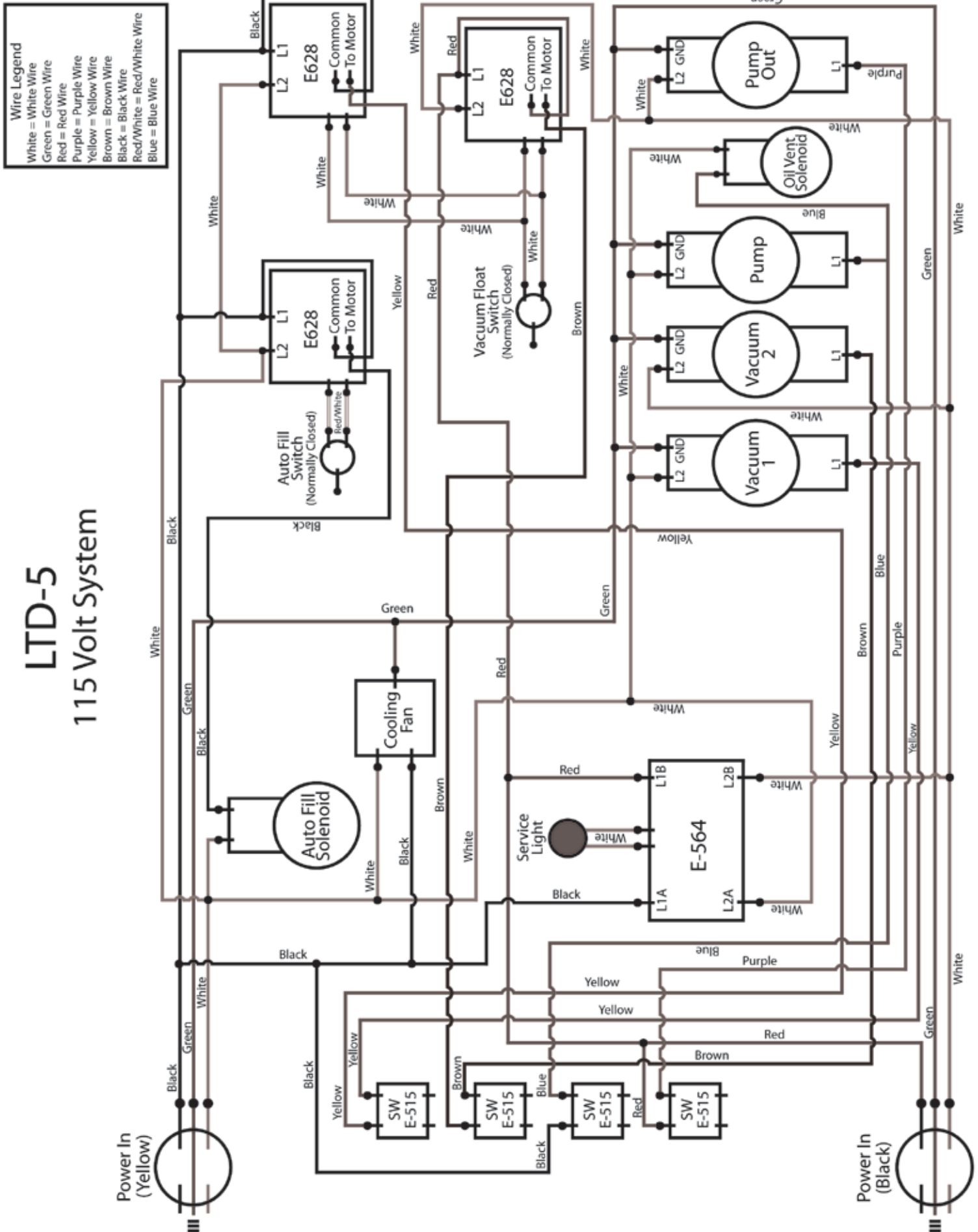


SPEEDSTER® LTD5 PARTS & PRICING

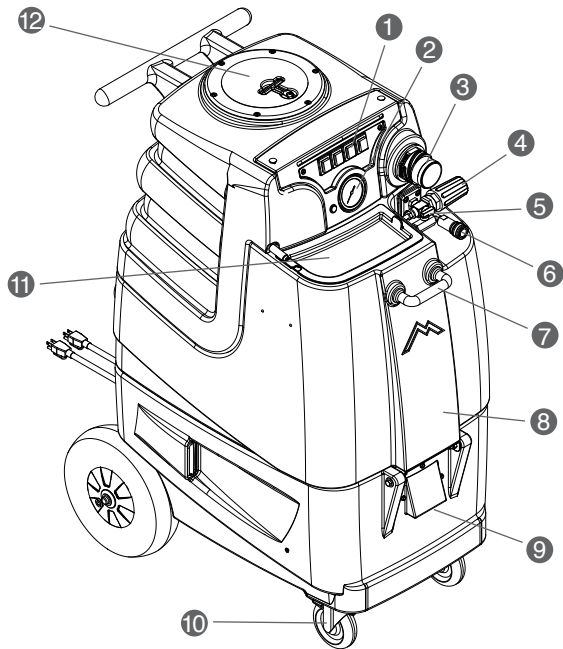


UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS DECIMALS ONE PLACE DECIMAL ±.03 TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.003		DRAWN D. CORIO	CHECKED	DATE 2/27/12	NAME mytee PRODUCTS, INC. 888-572-1191
MATERIAL		TITLE: speedster			
PROPERTY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MYTEE PRODUCTS, INC. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MYTEE PRODUCTS, INC. IT IS PROHIBITED.		SIZE DWG. NO C LTD 5			
SCALE: 1:32		REV SHEET 2 OF 2			



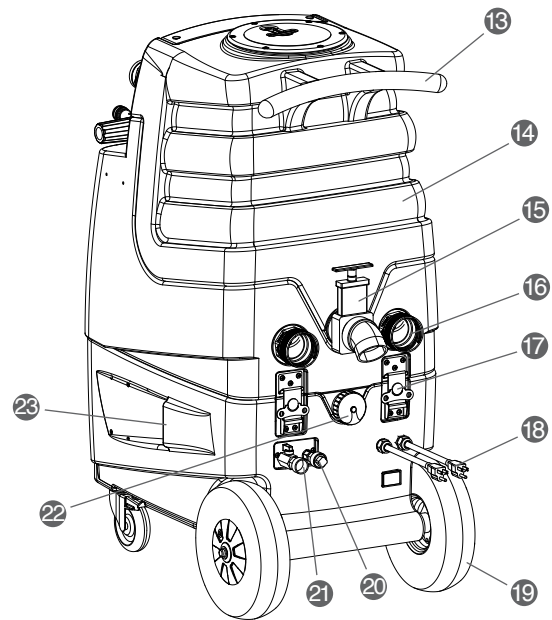


## SPEEDSTER® LTD12 FRONT



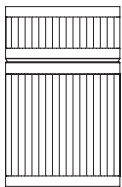
- |                             |                        |
|-----------------------------|------------------------|
| 1. Switch Plate             | 7. Front Handle        |
| 2. PSI Gauge                | 8. Solution Tank       |
| 3. 2" Male Cuff-Lynx™ Inlet | 9. Front Vent          |
| 4. Pressure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

## SPEEDSTER® LTD12 BACK

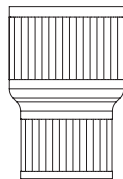


- |                               |   |
|-------------------------------|---|
| 13. Push Handle               | 19. 10" foam filled semi-pneumatic wheels |
| 14. Recovery Tank             | 20. Auto Fill Connection                  |
| 15. Recovery Tank Drain Valve | 21. Pump Out Hose Connection              |
| 16. Rear Vacuum Exhaust       | 22. Solution Tank Drain                   |
| Optional Muffler Port         | 23. Side vent                             |
| 17. Service Latches           |   |
| 18. Power cords               |   |

## SPEEDSTER® LTD12 ITEMS INCLUDED



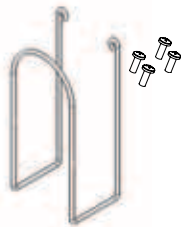
H110 Cuff-Lynx™  
2" x 2" Hose Adapter



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



G008 - Pack of Piglet™  
filters



H375- Hose Hanger  
(4) screws

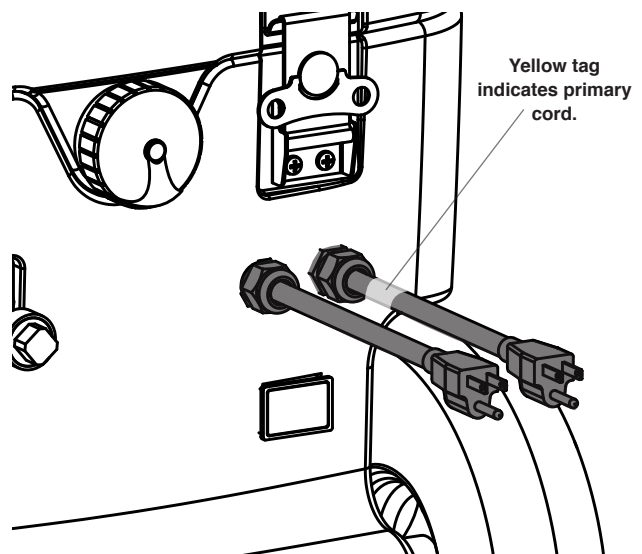


H226 Drain Elbow

## SPEEDSTER® LTD12 CORDS

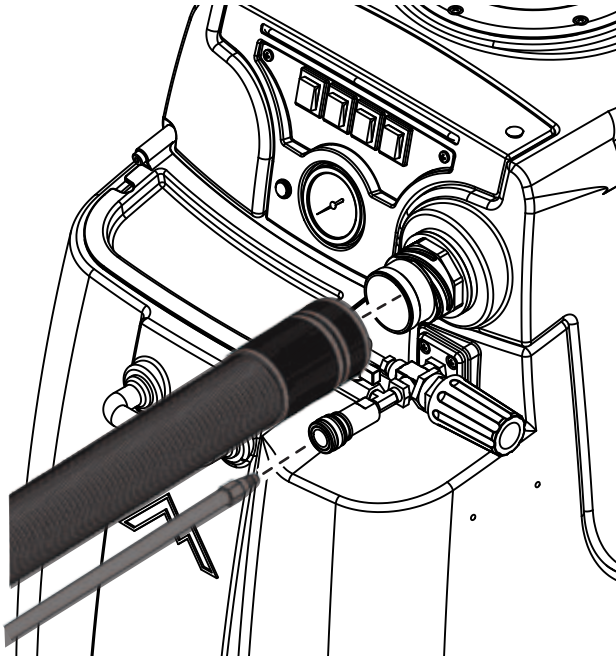
**(Primary) Right Cord:** Plug in yellow-tagged power cable for Power To Vac 1, & Pump.

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



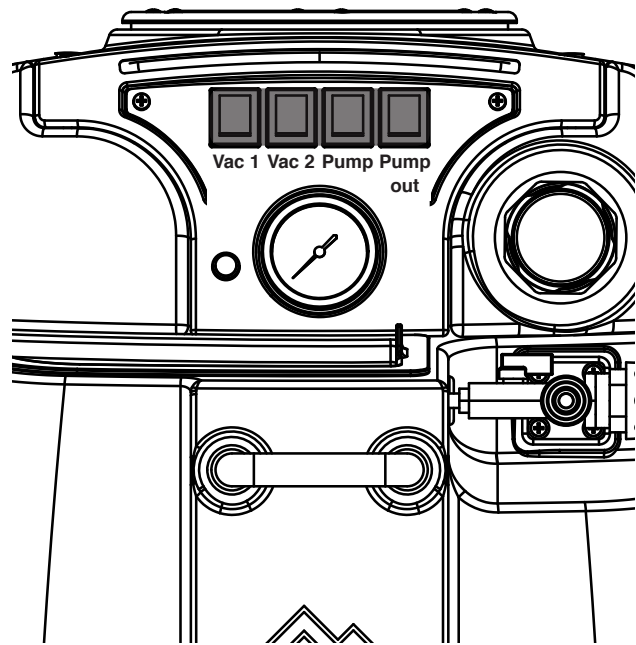
Plug each power cord into a separate, 20A grounded wall outlet. **Outlets must be on two separate breakers.** When the amber light on the switch plate illuminates, the machine is on separate circuits (not necessarily 20A circuits). You can identify the primary cord by the yellow tag.

**SPEEDSTER® LTD12 VAC/SOL  
HOSE CONNECTIONS**



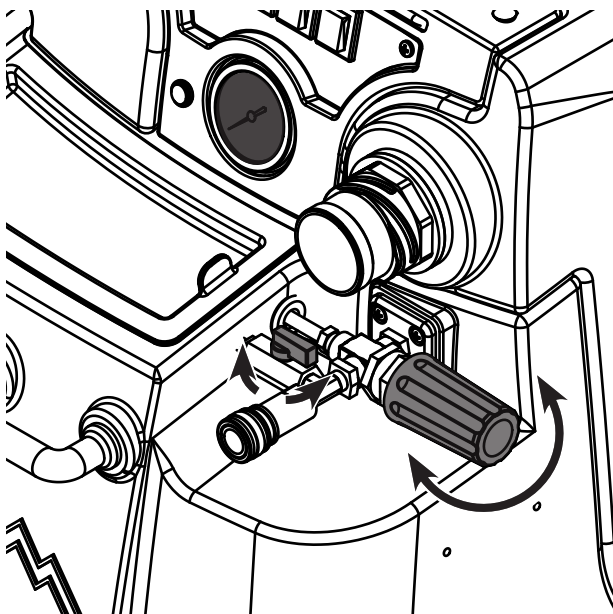
Attach female end of a solution hose to a wand or tool and the male end to the LTD's QD. Then connect a vacuum hose to a wand and the 2" male Cuff-Lynx™ hose port. (If using the optional de-foamer, install the kit onto the vacuum port according to the instructions that come with the de-foamer kit.)

**SPEEDSTER® LTD12 SWITCHES**



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.

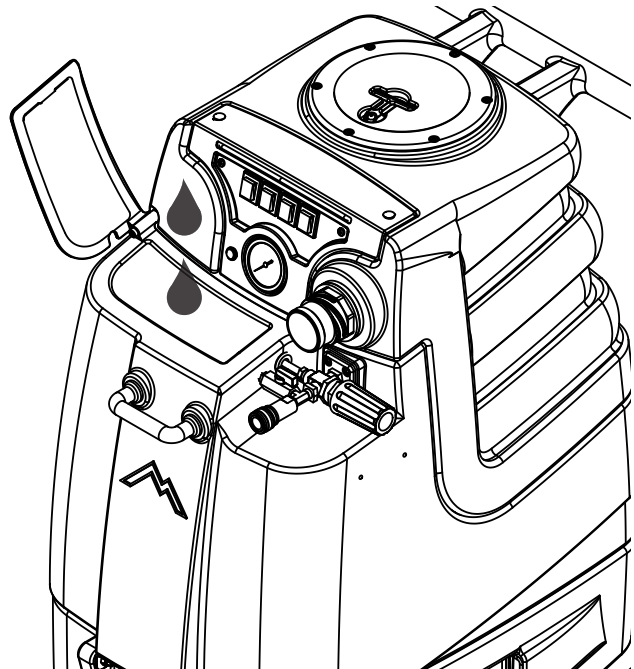
**SPEEDSTER® LTD12 PRIME VALVE &  
PRESSURE REGULATOR**



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.

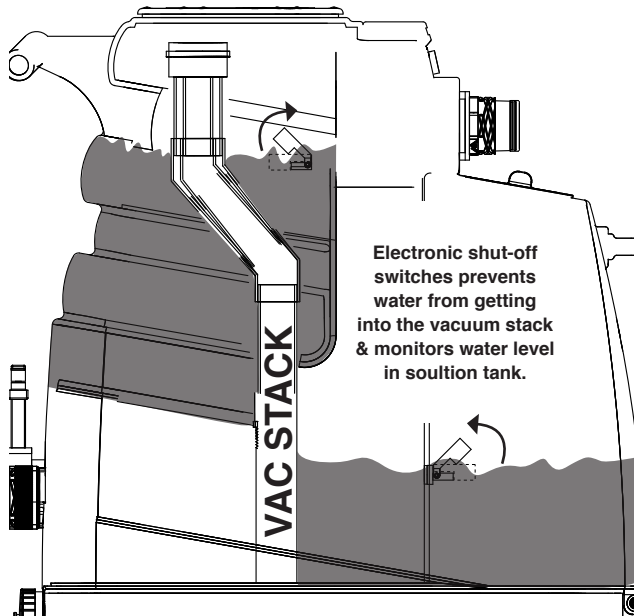
\*Please refer to the Pressure Gauge to monitor your water pressure.

**SPEEDSTER® LTD12 FILL SOLUTION TANK**



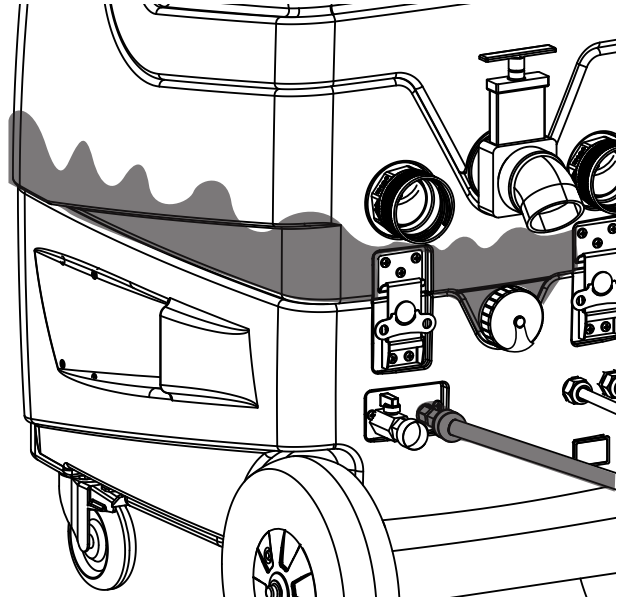
You can lift the lid to manually fill the tank or follow the "Operating Instructions" for auto-fill use.

## SPEEDSTER® LTD12 FLOAT SWITCHES



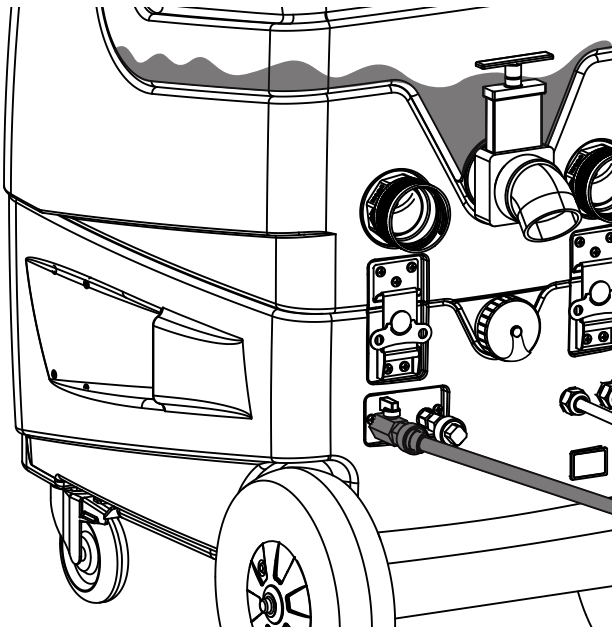
The LTD is equipped with an electronic float switch inside the recovery and solution tank. The recovery float switch is activated by rising water to prevent suction into the vacuum stacks damaging the motors. The solution float switch shuts off the auto-fill once water level reaches switch.

## SPEEDSTER® LTD12 AUTO-FILL CONECTIONS



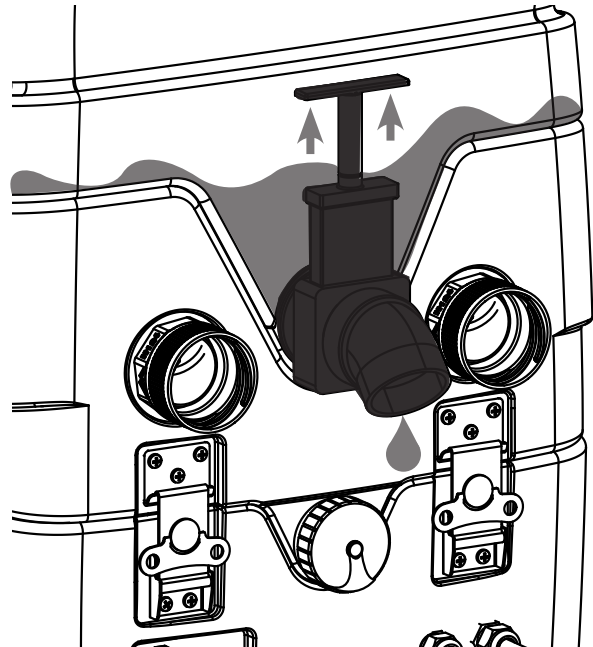
Using one end of a 1/2" garden hose, attach it to the mounted connection behind the LTD unit, then attach the other end to the desired faucet connection. With the auto-pump switch activated, turn on the faucet water and let the auto-fill begin to fill. It will shut off when the water level reaches the LTD's electronic float switch.

## SPEEDSTER® LTD12 PUMP-OUT CONNECTIONS



Using a separate 1/2" garden hose, attach one end to the LTD's mounted pump-out connection and lay the other end of the hose in a drainable location. With the pump-out switch activated and the valve parallel with its pipe, the unit will automatically drain water from the fill tank while the auto-fill maintains water levels. Make sure ball valve is open!

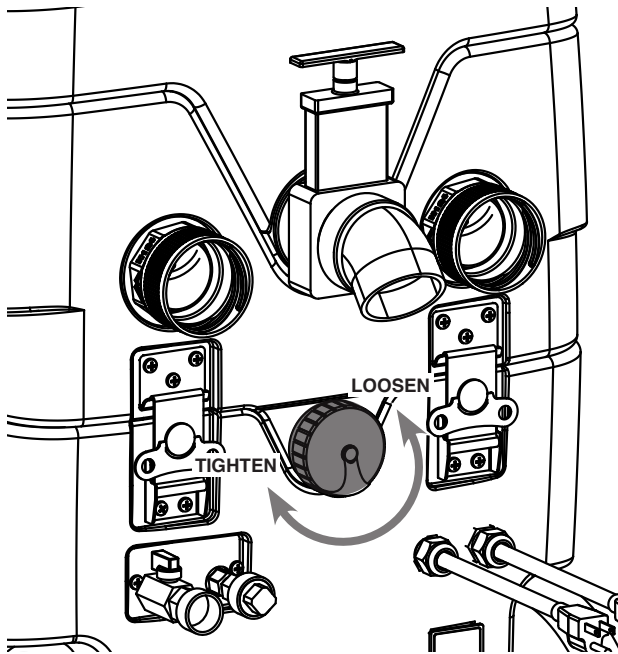
## SPEEDSTER® LTD12 RECOVERY DRAIN VALVE



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

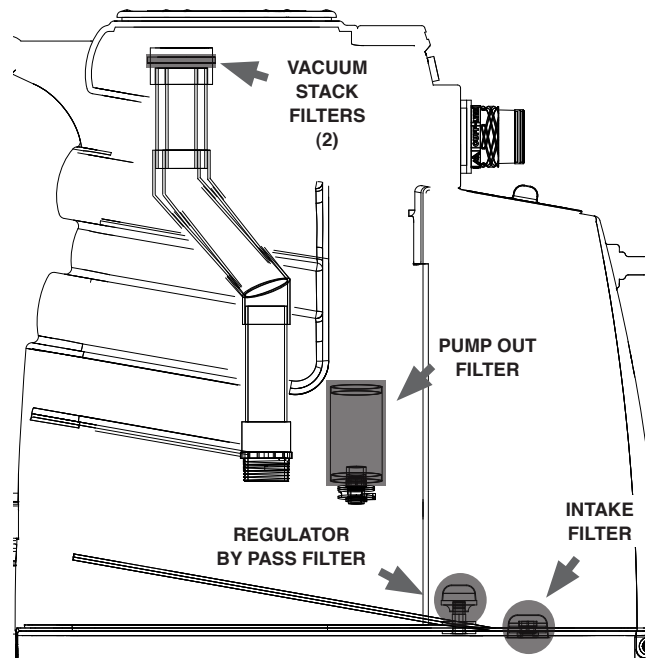


**SPEEDSTER® LTD12 SOLUTION TANK  
DRAIN VALVE**



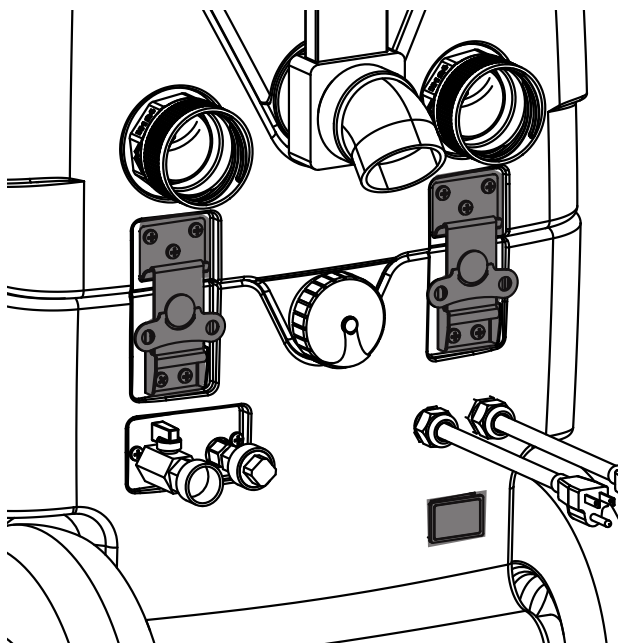
To remove any remaining water in the solution tank, located on the back of the unit is a cap, twist and remove cap to empty tank.

**SPEEDSTER® LTD12  
FILTER MAINTENANCE**



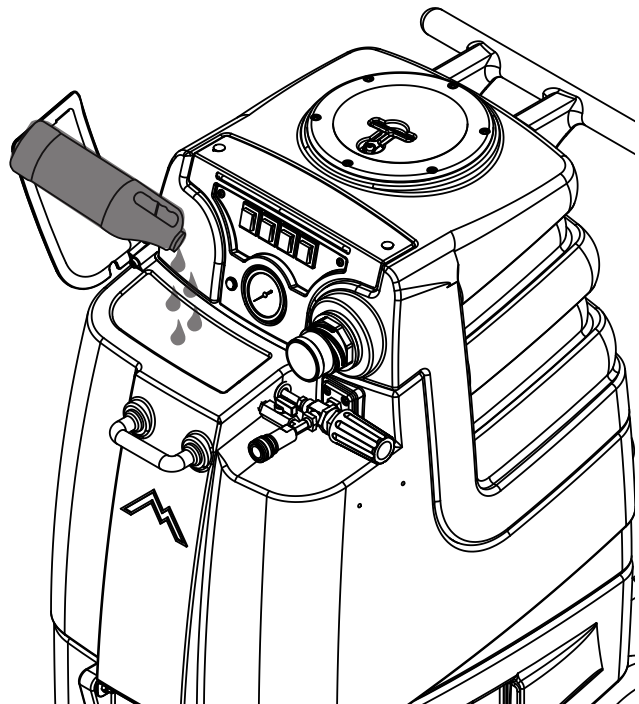
The LTD's five internal filters must be cleaned regularly and are located in the locations listed in the following diagram. Twist the filters to remove them then clean and replace in original locations. If a filter is torn or damaged, replace with a new one.

**SPEEDSTER® LTD12 TANK LATCHES  
& PUMP HOUR METER**



The rear latches can be unlatched from the lower half of the unit to open it for internal repairs and cleaning. To unlatch, flip and twist latches. The hour meter activates when the pump is turned on. This helps monitor usage and when to make oil changes. Refer to p.24 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.

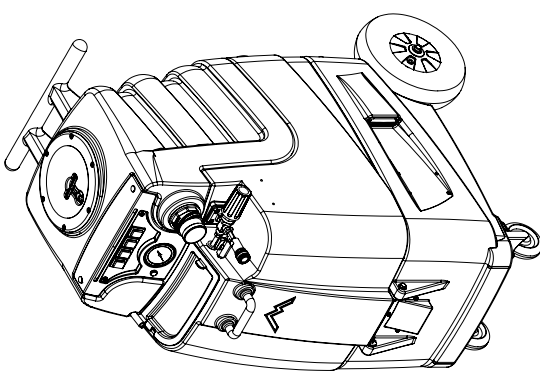


Order parts at: [www.mytee.com/products/product.php?id=LTD12](http://www.mytee.com/products/product.php?id=LTD12)

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
OD	ORIGINAL DRAFT		JFL

ITEMS NOT SHOWN

PART NO.	DESCRIPTION	QTY	MSRP
E512C	strip, LED indicator lights	1	\$24.49 ea
E530	power cord, ext 50', 12/3, black	2	\$74.99 ea
E564	controller, c/cuit light	1	\$62.49 ea
G008	piglet filter	1	\$6.29 pack
H110	Cuff-Lynx, 2" hose x 2" fem swivel	1	\$3.99 ea
H140	Cuff-Lynx, female swivel x female thread, 2"	1	\$3.99 ea
H141	Cuff-Lynx, 2 x 1.5" reducer	1	\$3.99 ea
AD127	stop sign, register your product	1	n/a
ADM-Cuff-Lynx	Cuff-Lynx instruction guide	1	n/a



UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
ANGULAR MATCH, 3°  
HOLE AND PIN, 0.005  
TWO PLACE DECIMAL  
THREE PLACE DECIMAL, 0.003

DRAWN  
D. CORTO

CHECKED

COMMENTS:

mytee PRODUCTS, INC.  
88667117

TITLE:  
speedster

SCALE: 1:12

SHEET 1 OF 2

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ITEM NO. PART NUMBER DESCRIPTION QTY. MSRP

62	G091	gasket, 7", vac lid	1	\$11.99 ea
63	G090	lid, vac tank, black, 7"	1	\$36.99 ea
64	H304	screw, #8 x 5/8 phil oval, s/s	6	\$0.99 ea
65	PH633-1	pipe, pvc, 1-1/2"	2	\$4.99 ft
66	G022	filler, foam, 2-3/8" x 1"	2	\$2.99 ea
67	G021	screen, mesh filter, 2-3/8" dia	2	\$4.99 ea
68	P502	adapter, 1.5" pvc, flslp x flslp	2	\$4.99 ea
69	PH633-4,125	pipe, pvc, 1.5"	2	\$4.99 ft
70	A926	elbow, inlet assembly 2"	1	\$15.99 ea
71	P510	LX series vac tank	1	\$99.99 ea
72	H225	valve, drain, 1-1/2"	1	\$20.99 ea
73	H226	spout, drain, 45 degree	1	\$3.19 ea
74	H333	mesh filter, auto dump, 1/2" npt	1	\$9.99 ea
75	B236	elbow, brass, 90 deg, 1/2" barb x 3/8" fpl	1	\$14.49 ea
76	G004	gasket, vacuum motor	2	\$8.99 ea
77	PH628-7	vac hose, 2"; black, wire reinforced	1	\$8.99 ft
78	H217	clamp, hose, 2-1/4 dia	4	\$1.49 ea
79	H194	coupler, 2" dia x 2.5"	2	\$9.99 ea
80	H434	plug, vent, hevyco, 1/2"	2	\$4.48 ea
81	E628	Level Switch Control	3	\$91.99
82	PH615-23	sol hose, 1/2", 3045psi, black	1	\$8.99 ft
83	AH117	hose, pulse, black, 1/4" fswl x 1/4" fswl, 48" [OAL]	2	\$19.99
84	B113	tee, brass, 1/4" fpl	1	\$6.99 ea
85	B127	plug, brass, 1/4"mpt, hex	1	\$0.99
87	E564	controller, circuit light	1	\$62.49 ea
88	G028	sleeve, mesh, filter	1	\$13.99 ea
89	H186	screw, 10-32 x 3/4, phil flat full thread	6	\$0.99
90	H210	washer, 1/4" flat, s/s	30	\$0.99
91	H342	bolt, 1/4-20 x 1" hex head, s/s	8	\$0.99
92	H216	nut, lock, 1/4-20, nylon insert, s/s	14	\$0.99
93	H343	screw, 10 x 5/8" hex head, zinc	4	\$0.99
94	H202	bolt, 1/4x20x3/4" hex head	4	\$0.99
95	H230	screw, 10-32 x 1/2" phil pan head, s/s	18	\$0.99
96	H201	bolt, 1/4-20 x 1/2", hex head, zinc	2	\$0.99
97	H213	washer, 1/4" lock, s/s	8	\$0.99
98	H211	washer, 1/4"Id x 1"od, flat, s/s	2	\$0.99
99	H650	bolt, 5/16" shoulder x 1-1/2" lg, alloy	2	\$0.99
100	PH634-36	sol hose, 1/4", 300 PSI	1	\$6.49 ft
101	PH634-20	sol hose, 1/4", 300 PSI	1	\$6.49 ft
102	H096	bolt 1/4-20 x 4, s/s	6	\$0.99
103	H031	plastie screw, 10 x 1"	2	\$0.99
104	B656A	ball valve, 1/2" m x 1/2" f	1	\$13.49 ea
105	PH615-21	sol hose, 1/2", 3045psi, black	1	\$8.99 ft
106	H029	plastie screw, 10 x 1/2"	2	\$0.99
107	H204	ball, 1/4-20 x 1 3/4" hex head, s/s	2	\$0.99
108	H768	ball, 1/4-20 x 3/4" serrated hex flange, zinc	2	\$0.99
109	H770	ball, 1/4-20 x 1/2" serrated hex flange, zinc	4	\$0.99
110	C359C	regulator, 1000 psi, white spring	1	\$86.99 ea
111	C302LP	vac motor, 3 stage, low amp	2	\$139.99 ea
112	E373	level switch, vacuum shut-off, rear threads	2	\$8.99 ea
113	B196	fittng, brass, 3/4" mgh x 1/2" fpl	1	\$5.99 ea
114	H039	plate, back, LTD	1	\$9.99
115	B172	elbow, brass, 90 deg, 1/2" barb x 3/8"mpt	1	\$9.49 ea
116	H185	screw, 10-32 x 1-1/4", phil flat full thread, black oxide	4	\$0.99
117	B640	filter, 60 mesh, garden hose	1	\$1.99 ea
118	E369	hour meter, panel mount, analog	1	\$35.99

Exploded view diagram of a Mytee Products, Inc. speedster vehicle. The diagram shows the chassis, engine, wheels, and various components with numbered callouts from 1 to 118. The vehicle is shown from a side profile, with the engine and transmission at the rear and the front wheel assembly at the front. The chassis is shown with the body panels and the front fender. The diagram is a technical drawing with dimensions and part numbers.

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
FRACTIONS ARE IN 16THS OF AN INCH  
DECIMALS ARE TO 3 PLACES  
TOLERANCES ARE:  
FRACTIONS ±.003  
DECIMALS ±.003

mytee PRODUCTS, INC.  
808-625-1171

speedster

DATE: 2/13/2012  
DRAWN: D. Corp  
CHECKED:  
COMMENTS:  
REVISED: 2/13/2012  
BY: D. Corp  
REASON: 1.003

NAME: mytee PRODUCTS, INC.  
ID: Corp  
DATE: 2/13/2012  
DRAWN: D. Corp  
CHECKED:  
COMMENTS:  
REVISED: 2/13/2012  
BY: D. Corp  
REASON: 1.003

SIZE: DWG. NO. C LTD 12  
REV: 1  
SCALE: 1:12  
SHEET 2 OF 2

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UNLAWFUL.

SIZE	DWG. NO.	REV
C	LTD 12	

DO NOT	DATE: 1-1-0	CLERK
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SCALE: 1-30

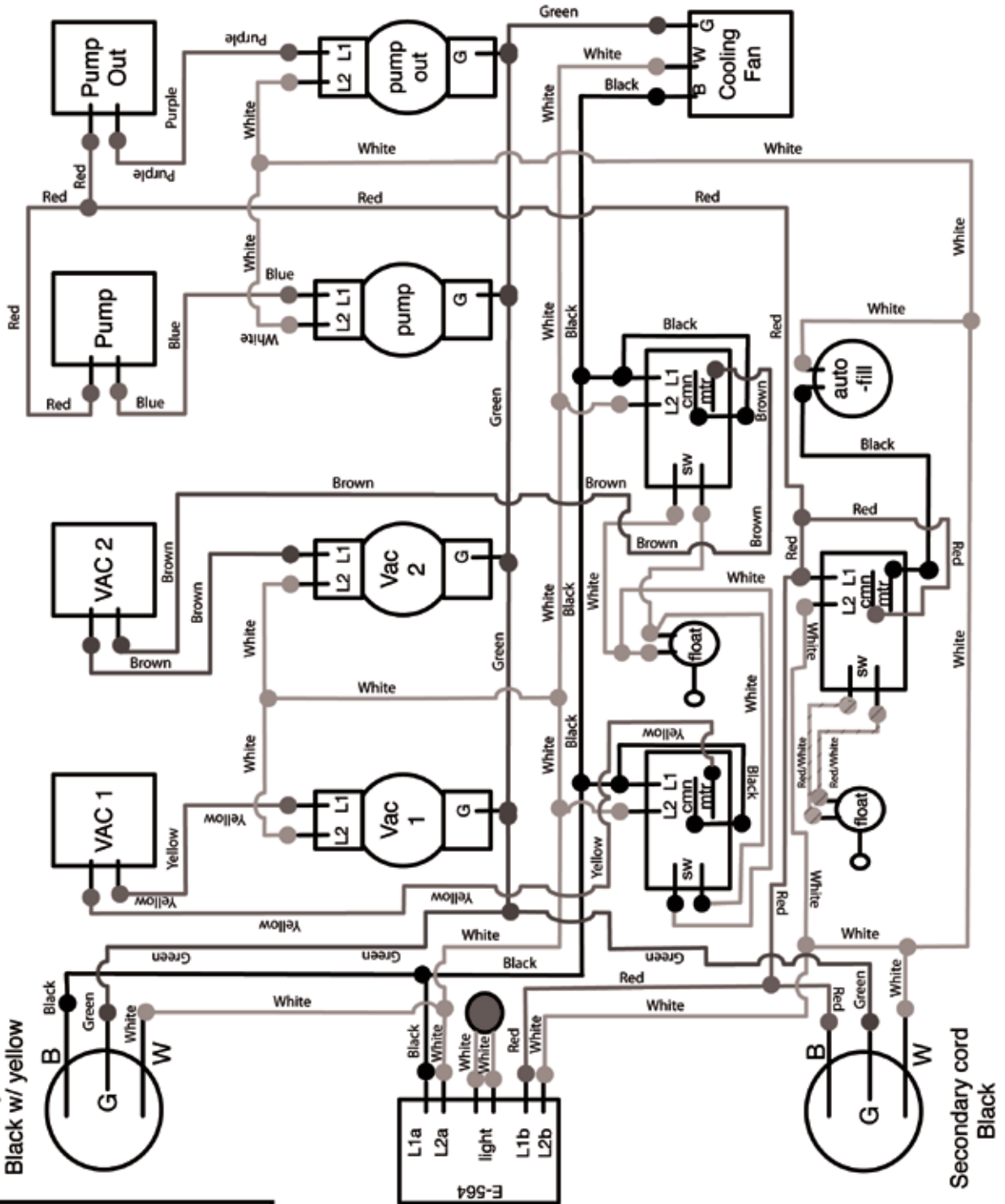
ANTHEE PRODUCTS, INC., IS  
SOCIATED

# SPEEDSTER® LTD12 WIRING DIAGRAM

Tue Jan 10 2012

LTD-12 / 115 volts

Primary Cord  
Black w/ yellow



## 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.

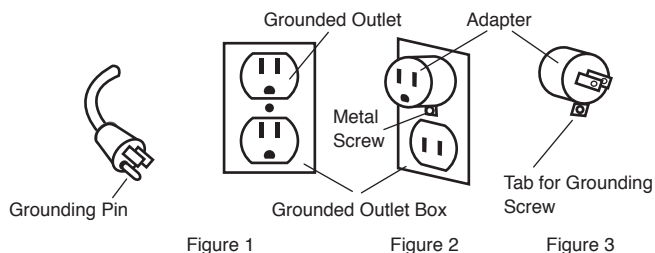
This machine is for use on a nominal 120-volt circuit and with a grounding plug similar to the one in Figure 1 below. If a proper outlet is not available, follow the illustrations of Figure 2 & 3 to install a temporary-grounding plug. This temporary work-around should be used only until a proper outlet (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 amber indicator to the left of the PSI gauge will illuminate and sound a tone when plugged into separate circuits/breakers.

1. Activate the switches using the following steps:
2. When the hoses are attached, turn 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!
8. Empty the Recovery Tank when the internal shut off disengages the vacuum. 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(add TM or C icon) 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



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.

## Trouble Shooting

### 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.

## Vacuum Tank Float Switch Maintenance & Replacement

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

1. Remove the 7" clear vacuum tank lid located on top of the tank.
2. Use a flashlight to locate the float switch that will be located on the front wall of the vacuum 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.

## Vacuum Tank 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
- Long shaft Phillips screw driver
- Flathead screwdriver

### Instructions:

1. In a clear and open space, lay down a piece of cardboard or scrap material.
2. Undo the 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 the vacuum tank's float switch wires coming out of the black vacuum 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.
6. Locate blue switch plate box that holds the switches. Using the flat head screwdriver, remove the two black caps covering the Philips head screws that hold the switch box.

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7. Using the Philips head screw driver, remove the two Philips head screws and pull the blue face box out.
8. Once the blue switch box is removed, the back end of the vacuum float switch should be visible.
9. Remove the 7" clear vacuum tank lid located on top of the vacuum tank. Use a flashlight to locate the position of the float switch on the front wall inside of the tank.
10. Once located, reach in and 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 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.
13. On the new float switch, hold the float switch lever all the way to one side by pushing on the opposite side.
14. 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.
15. Place the rubber washer over the threads of the new switch and all the way down to the 13/16" nut side.
16. Place a thin layer of silicone on the rubber washer.
17. 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.
18. Using your hand, thread the plastic nut onto the backside of the float switch placing the medium crescent wrench on the nut to hold in place.
19. Tighten the 13/16" float until snug. Make sure the flat side of the body is facing towards the top of the vacuum tank.
20. 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.
21. Replace blue switch box with two Philips screws.
22. Return the black plugs back over the screw holes for a clean and professional appearance.
23. Open the machine until it is resting on the scrap material previously placed on the floor.
24. Locate the vacuum tank float switch wires coming out of the black vacuum tank and re-connect the two float switch wires into the previously marked ones. It will not matter which wire you plug into each port, just make sure both wires are re-connected.
25. Close the machine and re-latch.
26. Check to ensure the new float switch 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 or will not turn on, the float finger may be installed upside down or wires were not connected completely.

## 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 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 re-connected.
19. Close the machine and re-latch.
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.

### FAQs

Q: How much do the Speedster® LTD Series extractors weigh and what are the dimensions?

A: All Speedster® LTDs  
Machine Dimensions: 30" x 20" x 42"  
Shipping Dimensions: 37 1/4" x 21" x 50 3/4"

LTD3 – Machine Weight: 145 lbs.  
Shipping Weight: 185 lbs.

LTD5 – Machine Weight: 135 lbs.  
Shipping Weight: 175 lbs.

LTD12 – Machine Weight: 140 lbs.  
Shipping Weight: 180 lbs.

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.

### Mytee Limited Warranty Policy

Mytee Products, Inc. endeavors to provide high quality products and product support to its customers and therefore backs up all of its new products purchased from Mytee Products Inc. (Mytee) or any authorized Mytee distributor/service center with this limited warranty.

This limited warranty begins on the date of the customer purchase and is valid and available to the original purchaser only. Mytee products are for commercial use only and are not intended for personal, family or household uses.

HOWEVER, OTHER THAN SET FORTH HEREIN, MYTEE GIVES NO WARRANTY, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, INFRINGEMENT, OR OTHER MATTER, OF ANY GOODS WHICH MYTEE SHALL SUPPLY. THERE ARE NO WARRANT-

TIES, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. MYTEE SHALL IN NO WAY BE RESPONSIBLE FOR THE PROPER USE AND APPLICATION OF THE GOODS. MYTEE NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR MYTEE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF MYTEES GOODS. THIS LIMITED WARRANTY POLICY MAY BE CHANGED OR WITHDRAWN BY MYTEE AT ANY TIME WITHOUT NOTICE.

**90-DAY PARTS AND LABOR LIMITED WARRANTY:** Mytee will cover parts and labor on all components for 90 days from the date of original purchase. This warranty covers the cost of replacement and labor only, and does not cover shipping costs.

**WEAR PARTS 90-DAY LIMITED WARRANTY:** Mytee will replace all wear parts for 90 days from the date of original purchase. Wear parts are items which wear out as a result of usage or the passage of time and are consumed despite attempts to maintain them, such as gaskets, wheels, brass, cords, wires, electrical terminals, hoses, switches, thermostats, plastisol parts, filters, bearings, brushes, solenoids, o-rings, bulbs, heating elements, castors, or other parts deemed wear items in Mytees sole discretion. This warranty covers the cost of replacement only and does not cover shipping or labor costs.

**1-YEAR MAJOR COMPONENTS WARRANTY:** Mytee warrants that pumps, vacuum and floor machine motors, and heaters are covered for a one (1) year limited warranty from the date of original purchase. This warranty does not apply and is void if the pump, vacuum motor, or heater has worn brush motors, water damage, chemical build-up, chemical damage, or evidence of abuse, neglect or tampering. This warranty covers the cost of replacement only, and does not cover shipping or labor costs.

**HOUSING LIFETIME LIMITED WARRANTY:** Mytee warrants that all rotationally molded housing and tanks will be free from manufacturing defects, defects in workmanship, and defects in material for the life of the part. Replacement cost does not include the cost of shipping or labor.

**LIMITATION OF DAMAGES:** THE REMEDY OF REPLACEMENT OR REPAIR OF ANY DEFECTIVE GOODS SHALL BE THE EXCLUSIVE REMEDY UNDER ANY WARRANTY MADE BY MYTEE, WHETHER EXPRESS OR IMPLIED. IN NO EVENT SHALL MYTEE BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, PROPERTY DAMAGES, OR PERSONAL INJURIES.

All limited warranties are void for, and Mytee does not warrant in any way, any product that evidences misapplication, improper installation, abuse, lack of maintenance, negligence in use or care, abnormal use, alteration of design, use of incompatible or corrosive chemicals, use in a rental service, and/or servicing, installation of parts, or repairs by anyone other than Mytee or a Mytee authorized distributor or service center. Mytee may make changes in products it manufactures and markets at any time; these changes are made without obligation to change, retrofit, or upgrade any product previously sold or manufactured.

Mytee has no obligation to honor the limited warranties set forth herein unless the original purchaser, promptly upon discovering the warranty claim and prior to continuing to use the product, contacts Mytee or a Mytee authorized distributor or service center to describe the claim and to receive and follow instructions for documenting and resolving the claim. In addition, the purchaser must provide the product to which the claim applies to Mytee or a Mytee authorized distributor or service center for a thorough inspection.

If any provision or portion of this limited warranty policy is found to be unenforceable, then the remaining provisions and portions shall remain valid and enforceable. If any provision or portion of this limited warranty policy is found to be limited by law, then that provision or portion shall be construed to make it effective within the bounds of law. For example, if there are legal limitations on the duration of warranties, the warranties made herein shall be construed to have the minimum duration required by law, or, if there are legal limitations of exclusion of remedies, the exclu-

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sions made herein shall be construed to apply to the fullest extent possible without violating the law.

The validity, construction and performance of this warranty policy shall be governed by the laws of the State of California, without respect to conflicts of laws principles. The exclusive jurisdiction of any legal action arising from or related to this warranty policy shall be in the State of California and no legal action shall be commenced elsewhere.

### Return Material Authorization Procedure

It is the responsibility of any Authorized Service Center (ASC) or Distributor with written authorization to ensure the Customers equipment is repaired as soon as possible. Only Mytee Products Inc. or it's authorized dealers with written authorization, service centers, and agents may make warranty repairs on these products. All others do so at their own risk and expense.

The Distributor must follow Mytee Products, Inc. standard RMA procedure:

1. When a repair falls within the Warranty time period for a piece of equipment, the Distributor will fill out a RMA/Warranty claim form. This form will act as a repair order to replace any defective parts.
2. All defective parts must be returned to Mytee Products, Inc. with the RMA/claim form for evaluation at the customer's expense. This shipping is non-refundable. All warranty claims are subject to an evaluation by Mytee Products, Inc. to determine if warranty will be approved. Any credit for repair and/or parts will only be issued upon evaluation and approval from Mytee Products, Inc.
3. When Warranty is approved, the Distributor's account will be credited for the replacement part(s). Mytee Products, Inc. will ship the warranted replacement part(s) to the Distributor prepaid. If Warranty is denied the Distributor's account will not be credited for any parts sent for this claim.

## NOTES



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