

SPEEDSTER

Extractor

Model Numbers:

No Heater:

1000HV
1000HV-200
1005HV

Heater:

1001HV
1001HV-200
1003HV
1006HV

User and Parts Manual

This manual is furnished with each new model. It provides necessary operation and maintenance instructions and an illustrated parts list.

Read this manual completely and understand the machine before operating or servicing it.

Use the illustrated Parts List to order parts. Before ordering parts or supplies, be sure to have your machine model number and serial number handy. Parts and supplies may be ordered by phone or mail from any authorized parts and service center, distributor or from any of the manufacturer's subsidiaries.

MACHINE DATA

Please fill out at time of purchase for future reference.

Model No.: _____

Purchase Date: _____

Serial No.: _____

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SAFETY PRECAUTIONS

This machine is intended for commercial use. It is designed to clean carpet and upholstery in an indoor environment and is not constructed for any other use. Use only recommended cleaning solutions and accessory tools.

All operators must read, understand and practice the following safety precautions.

The following safety alerts symbols are used throughout this manual as indicated in their description:

⚠ WARNING: To warn of hazards or unsafe practices which could result in severe personal injury or death.

FOR SAFETY: To identify actions which must be followed for safe operation of equipment.

The following information signal potentially dangerous conditions to the operator or equipment:

FOR SAFETY:

1. Do not operate machine:

- ◆ Unless trained and authorized.
- ◆ Unless operator manual has been read and understood.
- ◆ In flammable or explosive areas.
- ◆ Unless cord is properly grounded.
- ◆ With damaged cord or plug.
- ◆ If not in proper operating condition.
- ◆ In outdoor areas.
- ◆ In standing water.
- ◆ With the use of an extension cord.

2. Before operating machine:

- ◆ Make sure all safety devices are in place and operate properly.

3. When using machine:

- ◆ Do not run machine over cord.
- ◆ Do not pull machine by plug or cord.
- ◆ Do not pull cord around sharp edges or corners
- ◆ Do not unplug by pulling on cord.
- ◆ Do not stretch cord.
- ◆ Do not handle plug with wet hands.
- ◆ Keep cord away from heated surfaces.
- ◆ Report machine damage or faulty operation immediately to your distributor.
- ◆ Follow mixing and handling instructions on chemical containers.

4. Before leaving or servicing machine:

- ◆ Turn off machine.
- ◆ Unplug cord from wall outlet.

5. When servicing machine:

- ◆ Unplug cord from wall outlet.
- ◆ Avoid moving parts.
- ◆ Do not wear loose jackets, shirts, or sleeves.
- ◆ Use manufacturer supplied or approved replacement parts.

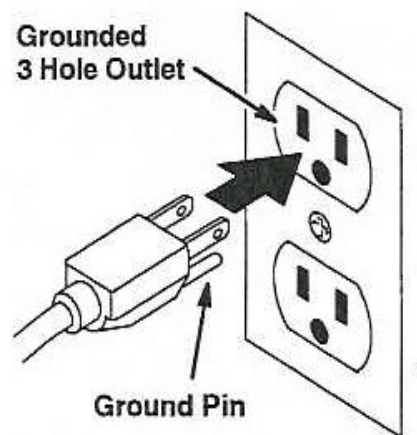
⚠ WARNING: Hazardous Voltage. Shock or electrocution can result. Always unplug machine before servicing.

⚠ WARNING: Flammable materials can cause an explosion or fire. Do not use flammable materials in tank(s).

⚠ WARNING: Flammable materials or reactive metals can cause an explosion or fire.

GROUNDING INSTRUCTIONS

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.



SAFETY LABELS

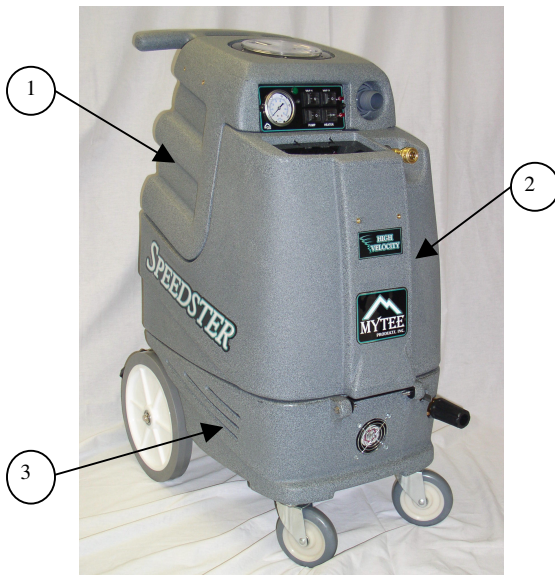
The safety labels appear on the machine in the locations indicated. Replace labels if they become damaged or cannot be read.



 **WARNING:** Flammable materials can cause an explosion or fire. Do not use flammable materials in tank(s). Flammable materials or reactive metals can cause explosion or fire.

 **WARNING LABEL-** Located on back. Label warns operator of safe practices of equipment

MACHINE COMPONENTS



1. Recovery Tank
2. Solution Tank
3. Motor housing/ Base

PRE-OPERATION

1. Vacuum carpet and remove other debris.
2. Perform MACHINE SETUP procedures.
3. Inspect power cord for damage.

MACHINE SET UP

1. Carefully check carton for signs of damage. Report damage at once to freight carrier. The machine is shipped fully assembled and is ready for use.

2. Open lid of solution tank. Fill solution tank with water or approved cleaning agent.



 **WARNING:** Flammable materials can cause an explosion or fire. Do not use flammable solutions or materials in tank(s).

FOR SAFETY: When using machine, follow mixing and handling instructions on chemical containers.

ATTENTION: If using powdered cleaning chemicals, mix prior to adding.

3. Attach solution hose. (Located front of machine.)



NOTE: Make sure the quick disconnects snap together firmly. As you do this, always inspect hoses for cracks or fraying. Do not use if hoses are damaged.



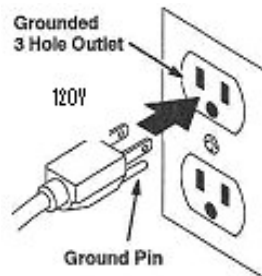
4. Attach other end of solution hose to wand.



5. Attach vacuum hose to recovery tank.



6. Plug machine's cord into a grounded wall outlet.

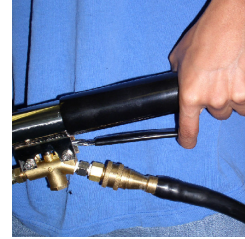


FOR SAFETY: Do not operate machine unless cord is properly grounded.

FOR SAFETY: Do not operate machine with the use of an extension cord.

7. Connect solution hose and make sure it is firmly secured.

C. Pull up on wand lever to release air in the line. Hold lever until you have a steady flow of water coming out of the wand.



D. Once pump is primed and you have pressure in the solution line, turn on heater switch(s) and wait a few minutes for water to heat up.



****NOTE: STEP 8 IS FOR 1000-200, 1001-200, 1003, 1005, AND 1006****

8. Turning machine on:

A. Turn pump switch on.

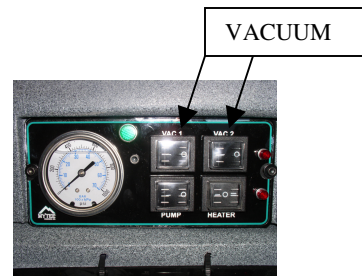


Pump

B. Pull up on power prime lever for 30 seconds. This will prime the pump.



E. Once water is heated, turn on vacuum motors and begin cleaning.



VACUUM

****NOTE STEP 9 IS FOR 1000 AND 1001****

9. Turning machine on:

A. Turn pump switch on.



Pump

B. Hold down wand trigger lever to clear air out of line. Do this until there is a consistent flow of water. This will prime the pump

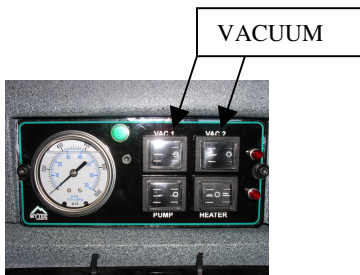
NOTE: Always turn pump on and prime pump first before turning on heater.

C. Turn on heater. Wait a few minutes for water to heat up.



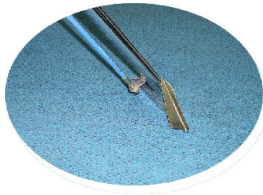
HEATER

D. Turn on vacuum power



VACUUM

E. Begin cleaning



NOTE: When cleaning upholstery, always check cleaning instructions sewn in furniture by manufacturer

WHILE OPERATING

⚠ WARNING: Flammable materials or reactive metals can cause an explosion or fire. Do not pick up.

1. Work away from outlet and power cord to prevent cord damage.
2. Use a recommended foam control solution in the recovery tank to prevent vacuum motor damage. Periodically check for excessive foam buildup in solution tank.
3. To clean heavily soiled areas, repeat cleaning path from different direction.
4. When ball float shuts off vacuum, it is time to empty the dirty water from the recovery tank, and refill solution tank.



5. After cleaning, relieve water pressure from tool before disconnecting hose. Squeeze trigger for five seconds after turning main power switch off.

DRAINING RECOVERY TANK

FOR SAFETY: When servicing machine, unplug cord from wall outlet.

1. Turn machine off and unplug power cord.

2. Remove solution & vacuum hose



3. Lift up drain valve lever to empty solution tank.



MACHINE MAINTENANCE

To keep machine in good working condition, simply follow machine's daily and weekly maintenance procedures. Check and relief valves should be replaced annually.

FOR SAFETY: When servicing machine, unplug cord from wall outlet.

DAILY MAINTENANCE

1. Empty and rinse out solution tank thoroughly.
2. Wipe off power cord and check for damage, replace if necessary. Coil cord neatly after use.
3. Clean machine with an all purpose cleaner and damp cloth.

WEEKLY MAINTENANCE (EVERY 20 HOURS OF OPERATION)

1. Flush solution system with Mytee system maintainer to dissolve normal chemical buildup.
 - a. Pour 7.5L (2 gal) of hot water 60°C (140°F) into solution tank. Add Mytee system maintainer according to mixing instructions on bottle

FOR SAFETY: When using machine, follow mixing and handling instructions on chemical containers.

- b. Operate machine for one minute.
- c. Shut off machine and allow remaining solution to break down chemical buildup overnight.
- d. Next day, spray out remaining solution and flush system with 11L (3gal) of clean water.

2. Inspect vacuum hoses for holes and loose cuffs.

3. 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. Do not use pointed objects to unplug tips, damage will occur.

4. Lubricate wheels with water resistant oil.

5. Inspect machine for water leaks and loose hardware.

6. Remove float shut-off screen from recovery tank and clean.

NOTE: The float shut off screen is not glued on. Simply pull it off.



STORING MACHINE

1. Before storing machine, be certain to completely drain and rinse tanks of all water and solution.
2. Drain and dry the vacuum hose as well, using the drain hose provided
3. Store machine in a dry area in the upright position.
4. Open recovery tank cover to promote air circulation

ATTENTION: Do not expose to rain. Store indoors.

ATTENTION: If storing machine in freezing temperatures, be sure that machine and solution system are completely drained and dry.

TROUBLESHOOTING

SYMPTOM: UNIT WILL NOT TURN ON:

PROBLEM: Not plugged in.

SOLUTION: Plug machine in proper outlet.

PROBLEM: Circuit breaker has popped.

SOLUTION: Reset circuit breaker. Make sure no other items are running on the same circuit as machine. Outlet must be a 20-amp circuit.

PROBLEM: Wire from power cord has become disconnected from terminal block.

SOLUTION: Reattach wire to terminal block.

SYMPTOM: PUMP IS NOT RUNNING PROPERLY:

PROBLEM: Quick disconnects are not completely locked together.

SOLUTION: Snap quick disconnects firmly together.

PROBLEM: The solution tank is empty.

SOLUTION: Fill the solution tank up with a premixed detergent.

PROBLEM: Jet on upholstery tool is clogged.

SOLUTION: Clean jet with soft wire brush or remove jet and flush clean.

PROBLEM: Filters are clogged.

SOLUTION: Remove filters and rinse clean with water.

PROBLEM: Heater is blocked with hard water deposits.

SOLUTION: Flush out heaters with system maintainers. If they are still blocked, replace heaters.

PROBLEM: Brass check valve is stuck.

SOLUTION: Replace with new check valve.

PROBLEM: Pump wire has become disconnected.
SOLUTION: Reconnect wire.

PROBLEM: Switch on switch plate is bad.
SOLUTION: Replace switch.

PROBLEM: Pump motor brushes are worn out.
SOLUTION: Replace pump.

SYMPTOM: HEATER IS NOT WORKING PROPERLY:

PROBLEM: The back up sensor, mounted on the heater has popped.
SOLUTION: Reset sensor by pushing in button.

PROBLEM: Heating element is bad.
SOLUTION: Replace element.

SYMPTOM: VACUUM MOTOR IS NOT WORKING PROPERLY:

PROBLEM: Hose not connected tightly to upholstery tool or machine.
SOLUTION: Connect hose tightly.

PROBLEM: Drain valve is not shut completely.
SOLUTION: Close drain valve completely.

PROBLEM: Vacuum tank lid is not on tightly.
SOLUTION: Secure the vacuum tank tightly.

PROBLEM: Ball float is shut off.
SOLUTION: Empty the vacuum tank of all wastewater.

PROBLEM: Water is coming out of vacuum motor.
SOLUTION: Use a low foaming detergent.

PROBLEM: Floor wand or is clogged with hair, carpet fibers and or debris.
SOLUTION: Clean floor wand.

PROBLEM: Ball float is not installed correctly.
SOLUTION: Make sure that ball float is firmly installed on the elbow.



DESCRIPTION	WHERE USED	PART NUMBER
Vacuum motor 3 stage 115v	000-130 000-140 000-150	C302
Vacuum motor 2 stage, 115v	000-100 000-101	C301
Vacuum motor 2 stage high performance 115v	000-120 000-110	C301
Pump, 100 psi	000-100 000-101 000-110 000-150	C305
Pump, 250 psi	000-130 000-140	C322
Pump, 1200 psi	000-120	C359A



DESCRIPTION	WHERE USED	PART NUMBER
Quick connect Female 1/4"	Hose	B102
Light, green	000-120 000-130 000-110 000-140	E512
Quick connect Male 1/4"	000-100 000-120 000-130 000-110 000-140 000-150	B101
Element heater 600 watt	000-110 000-140 000-150	E571
Switch, 2 position	000-100 000-120 000-130 000-110 000-140 000-150	E592
System maintainer, 12 quarts per case	Maintains all internal hose lines & inline heaters	150-006

	DESCRIPTION	WHERE USED	PART NUMBER
	Strainer, filter ½" sol tank	000-100 000-120 000-130 000-110 000-140 000-150	B119A
	Thermostat sensor 210° auto	000-110 000-140 000-150	E573
	Thermostat sensor 375° manual	000-110 000-140 0009-150	E574
	Pump out, 115v	000-120	C381
	Controller, separate circuit indicator	000-120 000-130 000-110 000-140	E564
	Switch, water level float	000-120	E626
	Brass check valve	000-110 000-150	B108

