

# Safety, Operations & Maint. Manual

## **Cleanfix® Hot Canary**



This manual is furnished with each new **Hot Canary** unit (Model HBU501H, HBU5011H, HBU502 and HBU502H). It provides necessary operation and maintenance instructions.

**5 GAL. (HEATED) UPHOLSTERY CLEANER, DETAILLING MACHINE AND CARPET EXTRACTOR**

**READ AND FOLLOW ALL INSTRUCTIONS, WARNINGS AND CAUTIONS BEFORE AND WHEN USING THIS EXTRACTOR.**

All information and specifications printed in this manual are current at the time of printing. However, because of Cleanfix's policy of continual product improvement, we reserve the right to make changes at any time without notice.

## WHEN THE MACHINE IS DELIVERED

Carefully check the carton for signs of damage. Remove the machine from the carton. If the machine is damaged, notify the carrier immediately and request an inspection. Be sure to keep the carton, packing inserts, packing list and carrier's receipt until the inspector has verified your claim. CLEANFIX'S LIABILITY CEASES WHEN THE SHIPMENT IS PICKED UP BY THE CARRIER. Cleanfix will furnish any information needed to expedite the claim process.

Check carton contents to ensure all accessories are included which are listed as follows:

- 1) 1-1/2" x 10 or 15 ft. crush proof vacuum and 1/4" solution hose assy. (hi-temp/hi-heat vacuum/solution hose assy.) or 3/8" solution hose assy. (low-temp/low-heat) (according to model and order).
- 2) 4" stainless steel upholstery tool or 3-1/2" detailing tool or 10" single-jet wand (according to model and order).

## GENERAL PRECAUTIONS

FAILURE TO FOLLOW PRECAUTIONS AND WARNINGS MAY CAUSE SERIOUS INJURY TO THE OPERATOR AND CAUSE DAMAGE TO MACHINE, WHICH CAN VOID WARRANTY.

### WARNING

**To Avoid Electric Shock, Do Not Expose to Rain. Store Indoors.**

- For 120 volt grounded outlet models. The unit must be plugged into a properly grounded outlet. **Do not** operate the machine with a broken/missing grounding pin. Have a qualified service person replace the plug immediately.
- The vacuum is intended for WET pick up only! **Do not** use as a dry vacuum.
- **Do not** operate the machine where explosive vapors or flammable materials exist. **Do not** use where oxygen and anesthetics are used.
- **This is not** a toy. Close attention is necessary when used around or near children.
- **Do not** expose to rain. Store indoors.
- Disconnect power cord from the outlet before attempting maintenance or repair work. **Do not** leave machine connected to an electrical outlet when unattended.
- **Do not** use the machine with a frayed or damaged cord. Replace immediately.
- **Do not** pull or carry by the cord, use cord as a handle, close a door on cord or pull cord around sharp edges and corners. **Keep cord away** from heated surfaces.
- Replace rocker switch splash proof cover when it gets damaged.
- **Do not** store machine lying sideways. Store or transport in an upright position.
- This machine is designed to be used as regular **upholstery cleaner and detailing unit (model HBU501H / HBU5011H)** and is equipped with a solution pump, one vacuum in operation and a heater **or** as a regular **carpet extractor (model HBU502 / HBU502H)** and is equipped with a solution pump, two vacuums in operation and a heater (model HBU502H).  
To prevent damage to equipment and property and to achieve the best cleaning results, please read the instructions thoroughly and completely before operating the unit.
- If an extension cord is necessary, use a 12 ga. or heavier grounding cord to prevent motor burnout and overheating of wires.
- **Do not** expose machine and wand to freezing temperatures or store in areas where the solution lines can freeze. The solution pump head and valve on the hand tool will crack if liquid is present on the solution line. Empty out the solution line if machine is to be stores for a long period.

## GROUNDING INSTRUCTIONS - 120 VOLT

*Improper use of the grounding plug can result in a risk of electric shock.*

Electrical equipment must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock.

The unit is equipped with a cord having equipment grounding conductor and grounding plug. The plug must be inserted into an

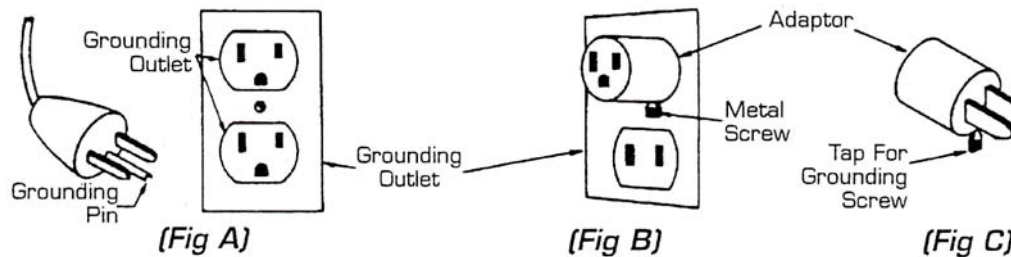
appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If repair or replacement is necessary, **DO NOT** connect the grounded wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.

## GROUNDING METHODS

This electric equipment is for use on a nominal 120-volt circuit and has a grounded plug that looks like the plug illustrated in (Fig. A). A temporary adaptor that looks like the adaptor illustrated in (Fig. B & C) may be used to connect this plug to a 2-pole receptacle as shown in (Fig. B) if a properly grounded outlet is not available.

The temporary adaptor should be used only until a properly grounded outlet (Fig. A) can be installed by a qualified electrician. The green color rigid ear, lug or the like extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw.



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

**FUNCTIONAL PARTS AND ACCESSORIES**

**Front View**



**Recovery tank**

with clear high impact resistant dome – Dome must be closed when using the machine.

**Solution tank**

**1-1/2" vacuum hose adaptor**

**Drain valve**

for recovery tank – Pull "T" handle up to open. Drain valve must be closed after each use. Install drain elbow upon receipt of the unit.

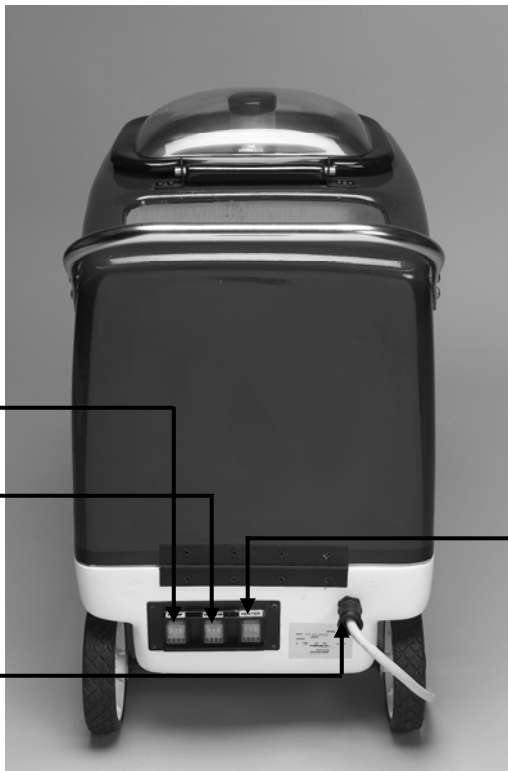
**Latches**

to motor compartment – Latches must be secured when using the machine.

**Female quick disconnect**

for 3/8" solution hose.

**Rear view**



**Solution pump switch**

(lighted when it is on).

**Vacuum 1 motor switch**

(lighted when it is on).

**Power cord**

(Primary circuit). Model HBU502H is equipped with a heater besides solution pump and two vacuums and therefore is equipped with a second power cord (Secondary circuit) and a green Circuit Locator light on the back of the machine.

**Please note:**

Model HBU502H has all the switches on the front which are from the left:

PUMP, VACUUM 1, VACUUM 2 AND HEATER.

**Heater switch or Vacuum 2 motor switch**

with the HEATER switch in the ON position, the light will turn OFF when solution temperature of 212° F (100° C) is reached and will turn ON again at 168° F (76° C), (only model HBU501H + HBU502H). Vacuum 2 motor switch (lighted when it is on), (only model HBU502).

## OPERATING INSTRUCTIONS

- 1) Connect one end of the vacuum hose to the vacuum hose adaptor on the front of the machine and the other end of the vacuum hose to the extraction hand tool.
- 2) Connect the one end of the solution hose to the female quick disconnect on the bottom front of the machine and the other end of the solution hose to the hand tool. Pull the sleeve on the coupler and insert the male quick disconnect plug on the hose. The sleeve should "CLICK" and retract back indicating a positive seal.
- 3) Fill solution tank with hot tap water (not to exceed 140°F, (64°C)) and add recommended amount of cleaning detergent. Follow directions on the bottle label for best results.
- 4) Add recommended amount of DEFOAMER into the recovery tank.
- 5) Plug the unit into a dedicated 120 VOLT, 15 AMP circuit.
- 6) Turn on PUMP and VACUUM SWITCH(ES).
- 7) Place the hand tool or wand at a comfortable position in front of you. Squeeze the solution lever and pull the tool towards you. Apply a slight downward pressure on the tool grip to maximize extraction. Overlap your next pass to prevent streaks. Make an additional pass on the area previously cleaned without applying solution to speed up drying. The use of an AIR MOVER will also speed up the drying process.
- 8) When the width of the spray pattern starts getting smaller, the solution tank needs to be refilled. Turn off all GREEN SWITCHES. Empty the recovered dirty solution (pull T-handle up) into a bucket. Make sure to close the valve after draining the tank.
- 9) WHEN THE JOB IS COMPLETED vacuum out remaining cleaning solution into the recovery tank.

## TO USE THE HEATER (model HBU501H, HBU5011H and HBU502H)

CAUTION: Identify the type of fabric being cleaned before using the heater. Some fabrics like wool will shrink when heat is applied.

- 1) Turn the SOLUTION PUMP switch on before you turn the HEATER switch on.
- 2) With the HEATER switch in the ON position, the light will turn OFF when solution temperature of 212°F (100°C) is reached and will turn ON again at 168°F (76°C). For model HBU502H plug in the Heater cord (secondary circuit) first, before turning on the heater.
- 3) The heating element will raise the temperature of the water by 40° F (22° C) if it is used on a spray cycle of 10 seconds running and 10 seconds hold using a 15 GPM tip. When hot water at 140° F (60° C) is used, the output temperature will be 180° F (82° C).

When the cleaning solution runs out, turn OFF the HEATER and SOLUTION PUMP switch IMMEDIATELY! The heating unit is protected with an automatic thermal cutoff switch and a manual thermal cutoff switch set at a higher temperature limit in case the automatic thermal cutoff switch fails. Have a qualified service technician check the unit out before resetting the manual switch.

To maintain heater efficiency, use a mild acid solution such as vinegar mixed with water (50/50) in the solution tank and connect an open ended solution hose back into the tank. Turn on only the PUMP (No Heater) and cycle the solution for at least 15 minutes. This process removes alkaline residue and scale build up on the heater. If machine is constantly used, do this process once a month.

## TROUBLESHOOTING

**Symptom: No power to the machine!**

Problem: Blown fuse/circuit breaker has tripped.

Solution: *Replace fuse with the same rating. Reset circuit breaker. Make sure no other appliances are connected on the same circuit as the machine. The machine requires a dedicated 15 amp circuit.*

Problem: Frayed cord, damaged plug or loose internal wiring.

Solution: *Check cord (#12151) and replace if necessary. Open switch panel and check for loose wire connection.*

**Symptom: Intermittent power to vacuum motor/heater!**

Problem: Defective power cord.

Solution: *Replace 12 ga. power cord (#12151).*

Problem: Defective switch (discolored terminal connections, burnt terminal connectors).

Solution: *Replace green lighter rocker switch (# 12027).*

**Symptom: Solution pump is not working properly / no power!**

Problem: Low solution flow output.

Solution: *Clean solution filter screen inside solution tank. If screen is damaged or totally plugged up, replace screen (# 12072).*

Problem: No light on the switch/defective rocker switch.

Solution: *Replace switch (# 12027).*

Problem: Defective pump pressure switch.

Solution: *Replace with switch kit assy. (# 12192.1).*

Problem: Defective pump (punctured pump diaphragm, weak rectifier damaged check valve, and motor carbon brushes worn out).

Solution: *Replace 60 psi solution pump (# 12192S).*

**Symptom: Weak vacuum**

Problem: Worn out lid gasket.

Solution: *Replace lid gasket (# 12062).*

Problem: Defective vacuum motor (noisy bearing, carbon brush sparking burn out armature & worn out carbon brush).

Solution: *Replace vacuum motor (# 12210) and motor gasket (# 12062.1).*

Problem: Lint accumulation on vacuum filter screen.

Solution: *Clean filter screen. If screen is defective, replace screen (#12378.3).*

**Symptom: Weak/no spray from spray tips.**

Problem: Clogged spray tips/check valve screen.

Solution: *Clean spray tip or check valve screen.*

**Symptom: Heater does not work!**

Problem: No light indicates a defective switch or heater thermo disc.

Solution: *Replace switch (# 12027) or thermo disc (# 12247).*

Problem: Defective heating element.

Solution: *Check with a multimeter (ohm setting) to see if element is open. Replace heating element (#12319A or #12319B). When the element is replaced, a new automatic thermo disc (# 12326) and the manual resetable thermo disc (# 12247) must be replaced at the same time to ensure heating efficiency.*

## New Machine Warranty



**1. Limited Warranty.** These terms and conditions of the New Machine Warranty are a material part of the agreement between Buyer and Cleanfix Cleaning Systems Inc., a New Jersey-based corporation (hereinafter "Cleanfix"), and supersede warranty terms and conditions in documentation submitted by Buyer to Cleanfix. Cleanfix warrants new machines of its manufacture against defects in material and workmanship under normal use and service to the original end-user purchaser. No person, agent, representative or distributor is authorized to give any warranties on behalf of Cleanfix, or to assume any other liability for Cleanfix in connection with any Cleanfix machine. Cleanfix reserves the right to make changes to its equipment without notice. The warranty coverage is subject to the conditions below.

**2. Registration of Warranty.** The warranty commences on the date of purchase by the original end-user from an authorized Cleanfix distributor or agent, subject to proof of purchase. The warranty commences latest, however, after six (6) months of the purchase date by the authorized distributor or agent of Cleanfix. Any new Cleanfix machine must be registered immediately with Cleanfix by the original end-user customer by fully completing and returning the warranty registration form to Cleanfix. If proof of purchase cannot be identified through a completed and returned warranty registration form, the warranty commences from the date of sale to the authorized Cleanfix distributor.

**3. Warranty Coverage.** Subject to conditions outlined below, Cleanfix warrants rotationally molded PE housings and tanks on all of its machines to be free from defects in material and workmanship, under normal use and service for ten (10) years to the original end-user.

Subject to conditions outlined below, Cleanfix warrants fiberglass housings and tanks on all of its machines to be free from defects in material and workmanship, under normal use and service for three (3) years to the original end-user.

Under this warranty Cleanfix warrants the performance of non-polyethylene and non-fiberglass components to be free from defects and workmanship for up to one (1) year to the original end-user. Parts replaced or repaired under this warranty are warranted for the remainder of the original warranty period. (See table below)

Rotationally molded PE housings and tanks	10 years
Fiberglass housings and tanks	3 years
Vacuum motors, brush motors, pump motors, boards and electronics	1 year
Battery and battery charger*	1 year

\* The 1 year period warranty commences with the purchase date by the authorized distributor or agent of Cleanfix.

Service labor charges are covered for up to one (1) year from the date of purchase through an authorized Cleanfix service provider. A total maximum of one (1) hour travel time - equal to one (1) hour labor rate - is covered for large machines, namely Falcon, Raven, Eagle and larger for 90 days. No coverage is extended for diagnosis time.

**4. Product Exceptions and Exclusions.** ALL vacuum cleaners and air movers are warranted for one (1) year. No warranty is extended for wear items, accessories and attachments including, but not limited to, belts, brushes, pad holders, capacitors, carbon brushes, wheels, casters, glides, clutches, cords, filters, filter bags, gaskets, hoses, rectifiers, switches, float switches, valves, squeegees, bearings, pulleys, relays, actuating cables, wheels, tires, vacuum cleaner attachments.

The purchaser is assured that meticulous care has been exercised in the selection, assembling and testing of these parts and components before shipping. No warranty is extended for machine finish, labels and other cosmetic parts or features.

**5. Stated Warranties.** Stated warranties are in lieu of all other warranties, expressed or implied. Any statutory implied warranties, including any warranty of merchantability or fitness for a particular purpose, are expressly limited to the duration of the written warranty. Cleanfix will not be liable for any other damages, including but not limited to incidental, indirect or special consequential damages arising out of or in connection with the furnishing, performance, use or inability to use the machine, including damages to persons or property. This remedy shall be the exclusive remedy of the buyer. The warranty is limited to the warranty.

### 6. Warranty is null and void for the following.

- Damage, defects, malfunction or other failures caused by not using the electric current indicated on the spec plate, including the use of improper extension cords.
- Damage or defect caused by accident, misuse, neglect, abuse, fire etc., including use of incompatible or corrosive chemicals or overloading of capacity.
- Failure caused by lack of proper maintenance and care, including proper machine clean-up after use, proper charging procedures for batteries.
- Failure caused by loss, damage or removal of protective components, including, but not limited to, filters and filter screens, tank covers and lids, skirts and bumpers, float shut-off assemblies.
- Freezing of any water or chemical related components (this will void all warranties on water or chemical related components, internal or external, of the product).
- Deposits and buildup in any water or chemical related systems due to hardness in water (this will void all warranties on affected systems).
- Any design alterations, adjustments and/or repairs performed on the equipment by an organization not authorized or specified by Cleanfix.
- Use of any parts not approved by Cleanfix, including, but not limited to, batteries, battery charger, filter bags, belts, electric components, motors.
- Use of machine for a purpose other than which it was designed and intended, and use of machine in excess of design duration.
- Damage in transit.

**7. Warranty Claim Procedure.** If a difficulty develops during the specified warranty period, contact the authorized Cleanfix distributor/partner from whom the machine was originally purchased. Do not return any products to Cleanfix unless explicitly authorized by Cleanfix. Cleanfix may elect to require the return of the machine or component(s) to validate the claim. Any defective machine or component to be returned must be shipped freight pre-paid to an authorized Cleanfix distributor/service center.

Cleanfix will provide and charge for replacement parts, including shipping and handling, to the original purchaser through an authorized service center. If the part is returned within 30 days and is found defective, the purchaser will be credited for the cost of the replacement part including shipping and handling.

**8. Term.** This warranty is valid for all products sold after January 1, 2006. A product sold before that date will be covered by the limited warranty in effect at the date of sale to the original purchaser.