



MAXUM 12

12 Gallon

Box Extractor

INTRODUCTION

This operator's book has important information for the use and safe operation of this machine. Read this book carefully before starting the machine. Keep this book and tell all operators to read the book. If you do not follow the instructions, you can cause an injury or damage equipment, furniture or buildings.

For new books write to:

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Carefully inspect all components to ensure that there is no concealed freight damage. If such damage is discovered, file a "CONCEALED DAMAGE REPORT" immediately with the delivering carrier.

OPERATING & MAINTENANCE INSTRUCTIONS

READ THIS BOOK

The contents of this manual are based on the latest product information available at the time of publication. **Thoro-Matic** reserves the right to make changes or improvements to its machines without notice.

FOR YOUR CONVENIENCE, RECORD THE FOLLOWING IMPORTANT INFORMATION:

MODEL _____

SERIAL NUMBER _____

PART NUMBER _____

DATE PURCHASED _____

IMPORTANT SAFETY INSTRUCTIONS

READ AND UNDERSTAND ALL WARNINGS AND INSTRUCTIONS BEFORE USING THIS APPLIANCE!

WARNING! To reduce the risk of fire, electric shock, or injury:

1. Unplug from outlet when not in use and before servicing.
2. Do not use outdoors. Protect the machine from rain.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual.
5. Never use this machine to pick up volatile or explosive materials!
6. Do not use this machine for pick up of dust or dry debris.
7. Do not use with damaged cord or plug. If appliance should not work as it should, has been dropped or damaged, left outdoors, or dropped into water, return it to service center.
8. Do not pull or carry by cord, use cord as handle, close a door on cord or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
9. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord
10. Do not handle plug or appliance with wet hands. Do not immerse. Keep the machine in a dry building.
11. Do not put any objects into opening. Do not use with any opening blocked: keep free of dust, lint, hair and anything that may reduce airflow.
12. Keep hair, loose clothing, fingers and all parts of the body away from openings and moving parts.
13. Turn off all controls before unplugging.
14. Do not use in areas where flammable or combustible liquids such as gasoline may be present.
15. Connect to a properly grounded outlet only.
16. Do not use water that is hotter than 82°C (180°F).
17. To prevent damage to the solution system, do not store in freezing temperatures without proper maintenance.

Grounding Instructions

This machine must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with a cord having an 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.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the machine - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

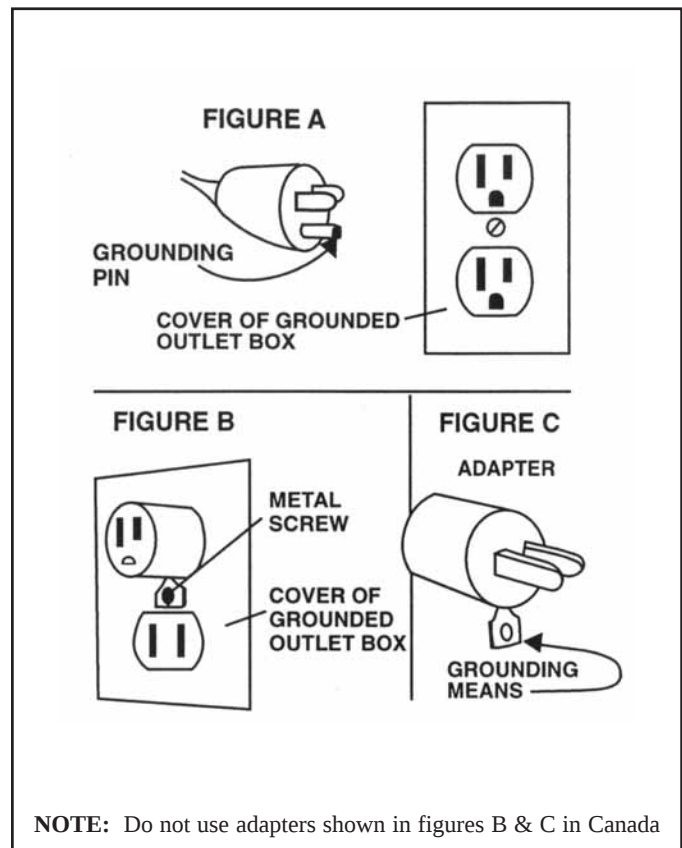
This machine is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug illustrated in figure A. A temporary adapter that looks like the adapter illustrated in figures B and C may be used to connect this plug to a 2-pole receptacle as shown in figure B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (figure A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

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

EXTENSION CORDS

Use only three-wire 14/3 or larger gauge approved extension cords that have three-prong grounding type plugs and three-pole receptacles that accept the appliance's plug. Replace or repair any damaged cords or plugs.

When servicing, refer to authorized person only. Use only identical replacement parts.



OPERATING INSTRUCTIONS

WARNING! For the safe operation of this machine follow the instructions given in this booklet and the training given by your supervisor. Failure to do so can result in personal injury and/or damage to machine and property!

DO NOT OPERATE MACHINE IN AN EXPLOSIVE ENVIRONMENT!

NEVER USE THIS MACHINE TO PICK UP VOLATILE OR EXPLOSIVE MATERIALS!

The model shown in this manual is intended for commercial use.

DO NOT OPERATE MACHINE IN AN EXPLOSIVE ENVIRONMENT!

ASSEMBLY & OPERATION

1. Connect one end of the vacuum hose to the intake port of the extractor located on the top of the unit and the other end to the wand.
2. Connect the one end of the solution hose to the brass water discharge fitting on the lower front of the extractor and the other end to the valve connection on the floor wand.
3. Fill the solution tank (the rectangular opening located on the top of the machine that does not have a cover) with warm or hot water, plus a commercial grade carpet cleaning chemical. Use dilution recommendations located on the chemical bottle. This unit holds 12-gallons of liquid. **NOTE: A low-foaming solution should be used. If not a defoamer must be used to keep the foam to a minimum during use to protect your vacuum motor. Defoamer if used is placed in the recovery tank prior to operating the unit.**
4. Once you have completed all of the above and your unit is plugged into a grounded outlet, turn on the pump switch, which will start to pressurize the unit.
5. Turn on either one or both of the vacuum switches depending on the amount of suction desired.
6. Holding the wand with two hands, activate the solution by squeezing the lever on the wand (located at the top of the wand). Spray will start to flow from the jets located at the pick up end of the wand.
7. With one hand squeezing the wand lever, the other hand should be putting downward pressure on the wand and dragging the wand backwards across the carpet towards the operator. This is basically wringing the water out of the carpet and pulling dirt embedded in the carpet up while the suction created by the vacuum motor picks up the water & dirt and empties it into the recovery tank.
8. Repeat step #7 without putting more solution down to extract greater quantities of water from the carpet. Doing this extra times will shorten the drying time required for your carpet.
9. After using all of the solution from the solution tank, you should empty the recovery tank using the dump valve located at the lower rear of the machine by bringing the unit to a janitor's sink, commode, etc. and pulling up on the "T" handle on the top of the valve.
10. Once the recovery tank is emptied, lower the "T" handle and repeat steps 3-9 as needed to clean the remaining carpet.
11. The cover on the recovery tank must always be in place while using the extractor. The suction from the unit during operation holds this in place.
12. During recovery, note that 100% recovery of all liquid will not be achieved.

DAILY OR REGULAR MAINTENANCE

1. Rinse solution and recovery tanks out after every use. Never leave any liquid in the system after use during storage. Store unit in a warm place. If unit is left in a freezing environment with liquid left in the system, the pump and pump housing could crack, requiring replacement of the pump.
2. Twice a month, flush machine with a solution of white vinegar (one quart vinegar to two gallons of water) or anti-browning solution mixed as directed. This will prevent build up of alkaline residue in the machine.
3. If spray jet on the wand becomes clogged, remove spray tip, wash thoroughly and blow dry.

PERIODIC MAINTENANCE

1. Periodically inspect all hoses, electrical cable and connections on the machine. Frayed or cracked hoses should be replaced to eliminate vacuum or water pressure loss. Check power cable for damage. Repair or replace damaged cord to prevent fire or electric shock.