
Clarke®

Division of
ALTO®

Operator's Manual

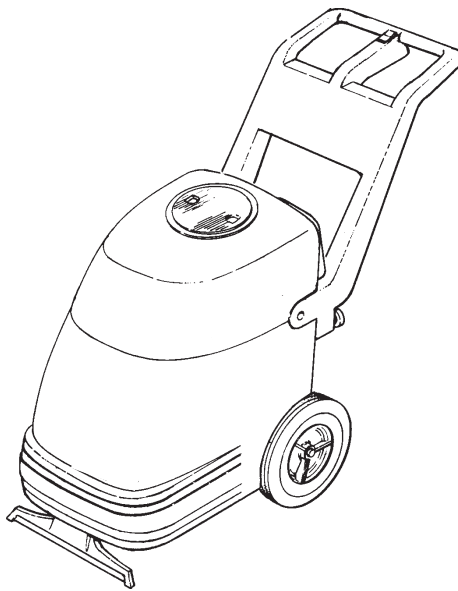


IMAGE 14 120V

READ THIS BOOK

This book has important information for the use and safe operation of this machine. Failure to read this book prior to operating or attempting any service or maintenance procedure to your Clarke machine could result in injury to you or to other personnel; damage to the machine or to other property could occur as well. You must have training in the operation of this machine before using it. If you or your operator(s) cannot read English, have this manual explained fully before attempting to operate this machine.

Si Ud. o sus operadores no pueden leer el Inglés, se hagan explicar este manual completamente antes de tratar el manejo o servicio de esta máquina.

All directions given in this book are as seen from the operator's position at the rear of the machine.

For new books write to: Clarke®, 2100 Highway 265, Springdale, Arkansas 72764.

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IMPORTANT SAFETY INSTRUCTIONS



WARNING



AVERTISSEMENT



ADVERTENCIA



DANGER:

Failure to read and observe all DANGER statements could result in severe bodily injury or death. Read and observe all DANGER statements found in your Owner's Manual and on your machine.



WARNING:

Failure to read and observe all WARNING statements could result in injury to you or to other personnel; property damage could occur as well. Read and observe all WARNING statements found in your Owner's Manual and on your machine.



CAUTION:

Failure to read and observe all CAUTION statements could result in damage to the machine or to other property. Read and observe all CAUTION statements found in your Owner's Manual and on your machine.



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

1. Do not leave appliance unattended when plugged in. Unplug from outlet when not in use and before servicing.
2. To reduce the risk of electric shock use indoors only.
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 the manual. Use only manufacturer's recommended attachments.
5. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
6. Do not pull or carry by cord, use cord as a 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.
7. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
11. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
12. Do not use without filters in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
16. Connect to properly grounded outlet. See "Grounding Instructions".

SAVE THESE INSTRUCTIONS

IMPORTANTES MESURES DE SECURITE



AVERTISSEMENT: Pour réduire les risques d'incendie, de choc électrique ou de blessure:

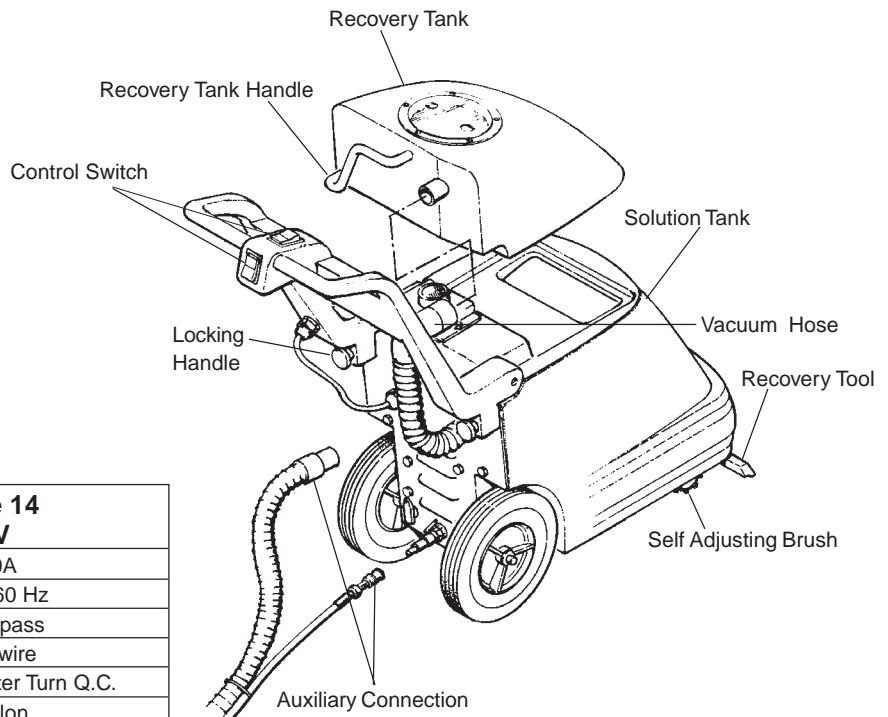
1. Ne pas laisser l'appareil sans surveillance lorsqu'il est branché. Débrancher lorsque l'appareil n'est pas utilisé et avant l'entretien.
2. Pour réduire les risques de choc électrique, utiliser à l'intérieur seulement.
3. Ne pas permettre aux enfants de jouer avec l'appareil. Une attention particulière est
4. N'utiliser que conformément à cette notice avec les accessoires recommandés par le fabricant.
5. Ne pas utiliser si le cordon ou la fiche est endommagé. Retourner l'appareil à un atelier de réparation s'il ne fonctionne pas bien, s'il est tombé ou s'il a été endommagé, oublié à l'extérieur ou immergé.
6. Ne pas tirer soulever ou traîner l'appareil par le cordon. Ne pas utiliser le cordon comme une poignée, le coincer dans l'embrasure d'une porte ou l'appuyer contre des arêtes vives ou des coins. Ne pas faire rouler l'appareil sur le cordon. Garder le cordon à l'écart des surfaces chaudes.
7. Ne pas débrancher en tirant sur le cordon. Tirer plutôt la fiche.
8. Ne pas toucher la fiche ou l'appareil lorsque vos mains sont humides.
9. N'insérer aucun objet dans les ouvertures. Ne pas utiliser l'appareil lorsqu'une ouverture est bloquée. S'assurer que de la poussière, de la peluche, des cheveux ou d'autres matières ne réduisent pas le débit d'air.
10. Maintenir les cheveux, les vêtements amples, les doigts et toutes les parties du corps à l'écart des ouvertures et des pièces mobiles.
11. Ne pas aspirer de matières en combustion ou qui dégagent de la fumée, comme des cigarettes, des allumettes ou des cendres chaudes.
12. Ne pas utiliser l'appareil si le sac à poussière ou le filtre n'est pas en place.
13. Mettre toutes les commandes à la position ARRET avant de débrancher l'appareil.
14. User de prudence lors du nettoyage des escaliers.
15. Ne pas aspirer des liquides inflammables ou combustibles, comme de l'essence, et ne pas faire fonctionner dans des endroits où peuvent se trouver de tels liquides.
16. "Ne brancher qu'à une prise de courant avec mise à la terre. Voir les instructions visant la mise à la terre."

CONSERVER CES INSTRUCTIONS

- ⚠ DANGER:** Machines can cause an explosion when operated near flammable materials and vapors. Do not use this machine with or near fuels, grain dust, solvents, thinners, or other flammable materials.
- ⚠ WARNING:** You must have training in the operation of this machine before using it. **READ THE INSTRUCTION BOOK FIRST.**
- ⚠ WARNING:** Any alterations or modifications of this machine could result in damage to the machine or injury to the operator or other bystanders. Alterations or modifications not authorized by the manufacturer voids any and all warranties and liabilities.
- ⚠ WARNING:** Do not use this machine as a step or furniture. Injury could occur to the operator.
- ⚠ WARNING:** To avoid serious injury, use proper lifting procedures when lifting the machine.
- ⚠ WARNING:** Make sure that all the labels, decals, warnings, cautions and instructions are readable. Replace them when necessary by ordering them from Clarke.
- ⚠ WARNING:** Do not use water that is hotter than 140°F.
- ⚠ WARNING:** Improper discharge of waste water may damage the environment and be illegal. The United States Environmental Protection Agency has established certain regulations regarding discharge of waste water. Also, city and state regulation regarding this discharge may be in effect in your area. Understand and follow the regulations in your area. Be aware of the environmental hazards of chemicals that you dispose.

Introduction and Machine Specifications

The Image 14 is an extractor for cleaning carpet. The machine applies cleaning solution to the carpet and removes dirty solution and soil from the carpet. The Image 14 is equipped with a power brush. The extractor has controls to start the solution pump, and vacuum motor. This machine is intended for commercial use.



Specifications:	Image 14 120V
Model	04120A
Electrical	120 V. 50/60 Hz
Solution Pump	45 PSI Bypass
Power Cable	35' 14/3-wire
Spray Jets	1 Quarter Turn Q.C.
Solution Tank Capacity	4 Gallon
Recovery Tank	4 Gallon
Waterlift/CFM	82"/97
Vacuum	Tangential discharge, 1.25 HP, 2 stage
Brush Size	3½" x 11"
Brush Motor Size	⅛ HP
Dimensions	31½" x 37" x 14"
Weight	55 lbs.
Shipping Weight	65 lbs.

120 VOLT, 50/60 CYCLE MACHINES GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product 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 product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This product is for use on a nominal 120 volt circuit and has a grounding attachment plug that looks like the plug illustrated in Fig. 1. Make sure that the product is connected to an outlet having the same configuration as the plug. No adaptor should be used with this product.

For maximum protection against electric shock, use a circuit that is protected by a ground fault circuit interrupter. The green (or green and yellow) conductor in the cord is the ground wire. Never connect this wire to any terminal other than the ground terminal.

⚠ WARNING: To prevent possible electric shock, protect the machine from rain. Keep the machine in a dry building.

⚠ WARNING: To prevent possible electric shock, always use a 3-wire electrical system connected to the electrical ground. For maximum protection against electrical shock, use a circuit that is protected by a ground fault circuit interrupter. Consult your electrical contractor.

⚠ WARNING: Do not cut, remove or break the ground pin. If the outlet does not fit the plug, consult your electrical contractor.

⚠ WARNING: Have worn, cut, or damaged cords and plugs replaced by an authorized service person.

EXTENSION CORDS

Use only an approved extension cord with three conductors, a plug with three terminals, and a connector body with three holes. The machine has a power cord with wire size 14 AWG (AWG means American Wire Gauge).

⚠ WARNING: If you use an extension cord, use an extension cord with minimum wire size 14 AWG. Do not use an extension cord longer than 50 feet. Do not join two extension cords.

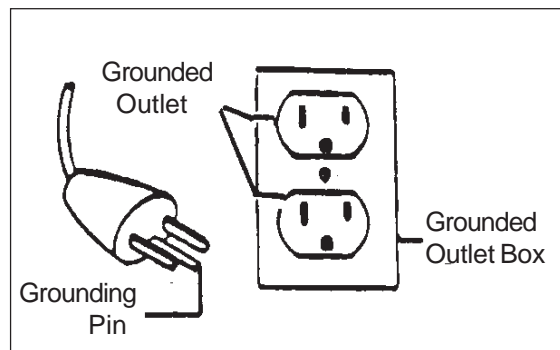


Figure 1

THE CONTROLS

The Vacuum/Accessory/Pump Switch

This switch is located on the handle. To turn the vacuum motor on, place the switch in the middle position. To turn pump, brush, and vacuum motor on, place the switch in bottom position. (Figure 2, #1)

The Vacuum Hose Connector

The vacuum hose connector is on the right hand rear of the machine. (Figure 2, #2)

The Solution Hose Connector

The solution hose connector is located on the bottom center of the machine. This connection is used to hook up optional auxiliary floor tools. (Figure 2, #3)

Recovery Tank Drain

Remove hose from rear of machine. Using the handle lift the recovery tank free and pour water into drain.

Solution Tank Drain

Remove the hose from the rear of the machine. Place over drain.

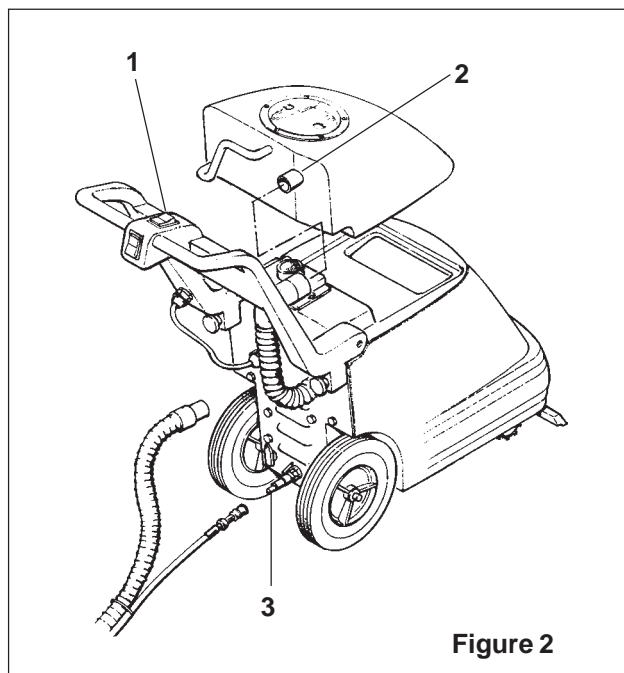


Figure 2

HOW TO PREPARE THE MACHINE FOR OPERATION

⚠ WARNING: This machine has moving parts. To reduce the risk of injury, unplug before servicing.

⚠ WARNING: To reduce the risk of fire, use only commercially available floor cleaners and waxes intended for machine application.

⚠ WARNING: Do not use water that is hotter than 140°F.

⚠ WARNING: Operating a machine that is not completely or fully assembled could result in injury or property damage. Do not operate this machine unless it is completely assembled. Inspect the machine carefully before operating.

⚠ CAUTION: Do not leave the extractor or other cleaning machines or tools on the carpet when not in use. Cleaning solution in the machines and tools can leak onto the carpet and cause light spots or stains.

NOTE: To order Clarkare® Extractor Concentrate, Order Part No. 398421. To order Clarkare® Defoamer, order Part No. 398420. For instructions for preparation and operation of your floor tool, read the operator's manual supplied with your floor tool.

This machine is intended for commercial use.

To prepare the machine for operation, follow this procedure:

1. Before moving the extractor onto the carpet, put clean hot water into the solution tank. The solution tank capacity is approximately four gallons.
2. Add two to ten ounces of "Clarkare® Extractor concentrate" per every one gallon of water, depending on carpet condition.
3. If the extractor removes an excess amount of foam from the carpet, add a defoamer such as Clarkare® Defoamer Concentrate to the recovery tank. The amount needed will change according to the amount of detergent already in the carpet.

HOW TO CLEAN AN AREA OF CARPET



CAUTION: The recovery tank is equipped with a mechanical shut-off float switch. When the recovery tank becomes full the machine will no longer recover water. Turn the vacuum/accessory and spray/brush/switch to the "O" position before emptying the recovery tank.

NOTE: When using the extractor to clean carpets, follow this procedure:

1. Do not walk on freshly cleaned carpets for at least four hours or until the carpet is dry to touch.
2. If aluminum or plastic pieces have been placed under the legs of furniture, do not remove them until the carpet is dry.
3. Do not allow children or pets to crawl or walk around on the damp carpet.
4. Vacuum right after the carpet is dry and then vacuum the carpet once a week, or as often as needed.

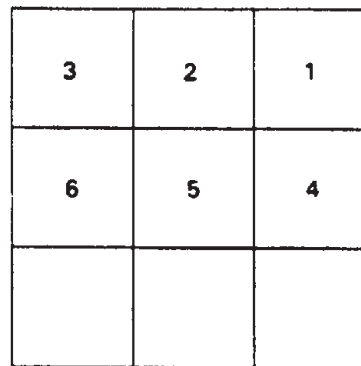


Figure 3

To clean an area of carpet, follow this procedure:
(See Figure 3)

1. Dry Vacuum area of carpet to be cleaned.
2. Turn the Vacuum switch to the "ON" position.
3. Brush will self adjust.
NOTE: Incorrect brush height may cause circuit breaker to trip. Check for obstructions in brush housing, clear and proceed.
4. With the pump switch activated, slowly and steadily pull the machine backwards.
5. Switch to Pump "OFF" and vacuum an additional 6 inches.
6. To clean a small area of carpet, clean the carpet in sections three feet square. As you make additional passes, overlap one inch of the area already cleaned.
7. Cleaning speed is determined by how dirty the carpet is. If the carpet is very dirty, move the machine slower.
8. As the machine is used, dirty solution will begin to fill the recovery tank. When the solution tank is empty, the recovery tank must be emptied.

To clean a larger area of carpet, follow this procedure:
(See Figure 4)

1. Begin at the right-hand corner of the carpet.
2. Make a pass halfway along the edge of the carpet. Pull the machine backward at a steady speed.
3. Move to the edge of the carpet. Make another pass next to your first pass.
4. As you make more passes, overlap one inch of the area already cleaned. Make each pass four inches different in length to prevent making a line in the center of the carpet.
5. Make more passes until half of the carpet is cleaned.
6. Move to the right hand corner of the carpet not yet cleaned.
7. Make a pass halfway along the edge of the carpet.
8. As you make passes, overlap one inch of the area already cleaned.
9. Make more passes until all of the room is cleaned.

⚠ CAUTION: Clarke will not be held liable for damage to the carpet, or poor results because of the operator's lack of ability.

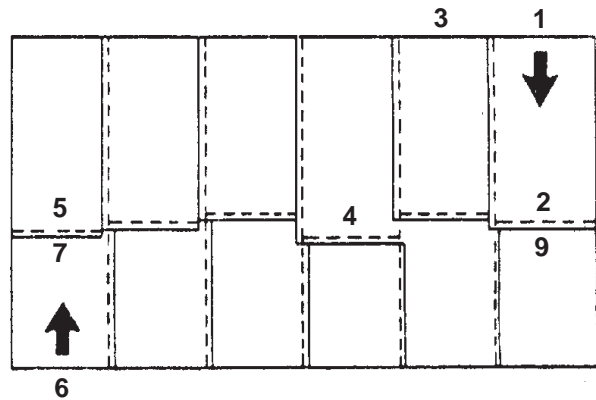


Figure 4

OPERATOR'S MAINTENANCE

How to Empty the Recovery Tank

To empty the recovery tank, follow this procedure:

1. Turn the switches on the machine to the "O" position.
2. Remove the hose on the rear of the recovery tank. Lift recovery tank by handle and carry to drain.
3. Using drain spout, pour into drain.

How to Empty the Solution Tank

1. Turn switches to the "O" position.
2. Position the machine near a drain. Remove the hose from the rear of the machine and place hose into drain.

How To Attach The Auxiliary Floor Tool

To attach the auxiliary floor tool, follow this procedure:

1. Remove the vacuum hose from the recovery tank.
2. Connect the auxiliary floor tool vacuum hose to the recovery tank and to the auxiliary tool.
3. Move and hold the brush height lever (figure 5) away from the auxiliary connection. Make connection and release brush height lever (will rest against connection). See figure 5a.
4. Connect the solution hose to the machine and to the floor tool.
5. Turn solution valve to accessory position.
6. Turn the vacuum and pump switch "ON".
7. Operate the optional cleaning tool as normal.
8. When finished cleaning with the optional floor tool, turn the switches "OFF".

NOTE: Auxiliary floor tools recommended for this machine:

19209A - RM4 (Upholstery)
19212A - RM9 (9" Floor Wand)
785401 - RM10 (10" Floor Wand)
59220A - Plastic Hand Tool 4" (Upholstery)

NOTE: For maintenance of the optional floor tools, read the manual supplied with the tools.

After Each Use Of The Machine:

1. To prevent damage to valves and jets, flush one gallon of clean water through the solution system and the tools.
2. Disconnect the power cord from the outlet and wrap around the handle.
3. Drain the recovery tank.
4. Rinse out the recovery tank.
5. Use a dry cloth to wipe both tanks and tools, inside and out.
6. Inspect and clean the screen filter in the solution tank.
7. To prevent clogged jets due to alkaline buildup, the spray system should be flushed at least twice a month with either a white vinegar solution (one quart vinegar to one gallon of hot water) or an anti-browning solution (mixed as directed).
8. Remove any lint on the vacuum intake screen. The screen is located under the recovery tank and on the rear of the machine.

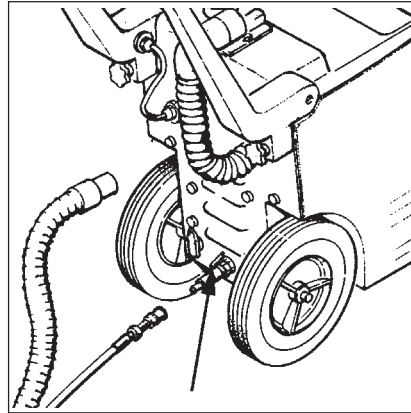


Figure 5

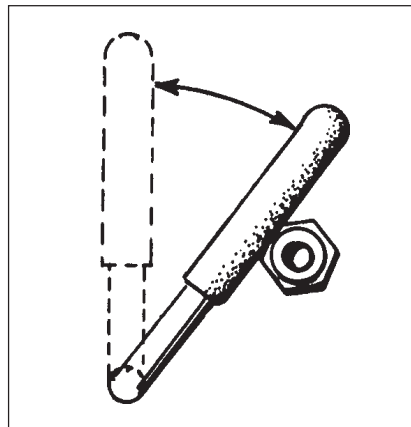


Figure 5a

How to Prevent Damage From Freezing Temperatures

To prevent damage from freezing temperatures, follow this procedure:


1. Remove any solution remaining in the solution tank.
2. Make sure the machine and pump are completely dry.
3. Pour windshield-type antifreeze into the solution tank until the screen in the filter is covered.
4. Turn on the vacuum/accessory switch and the spray/brush switch for 30 seconds.
5. Remove antifreeze solution from the system before using the extractor.
6. Make sure the machine is the same temperature as the room before using the machine.

Spray Bar - Nozzles

To clean or quick change the nozzles follow this procedure:


1. Grasp the nozzle, push in and twist 1/4 of a turn to remove nozzle from the body.
2. Clean or replace the nozzle.
4. Push in and twist nozzle back into the body.

NOTE: Performance will drop if the factory nozzle configuration is changed.

 **WARNING:** Maintenance and repairs must be done by authorized personnel only. Keep all fasteners tight. Use only Clarke parts. Maintenance performed by someone other than a Clarke distributor or Clarke replacement parts could void your warranty.

Electrical

 **WARNING:** Electrical repairs must be done by authorized personnel only.

 **WARNING:** After electrical repairs are done to the machine, the machine must be tested for electrical safety.

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