



# Electronic Service Manuals

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You may contact Michco through the following methods:  
Phone (517) 484-9312 or (800) 331-3339 MI, OH, IN only  
2011 N. High St. -- Lansing, Michigan -- 48906  
Fax: (517) 484-9836  
Email: [CustServ@Michco.com](mailto:CustServ@Michco.com)  
Web site: [www.Michco.Com](http://www.Michco.Com)  
Parts Web site: [www.FloorMachineParts.Com](http://www.FloorMachineParts.Com)

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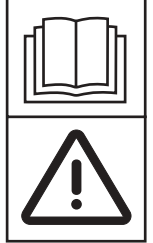
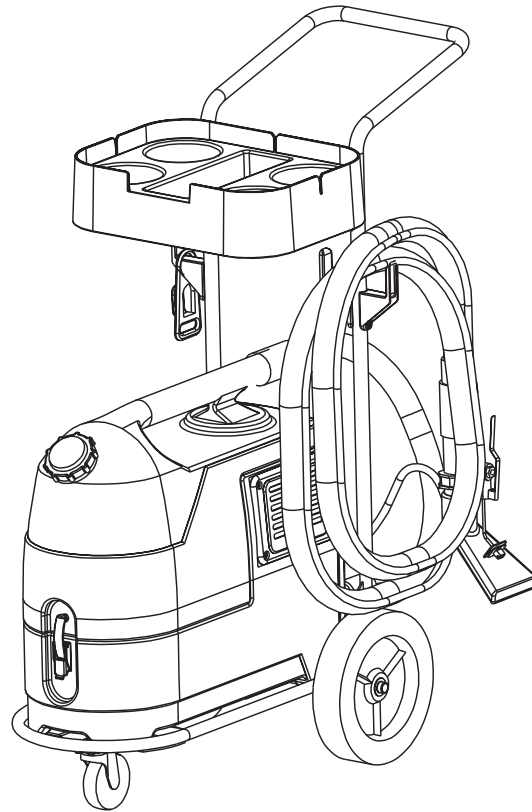
Directly to Parts & Service:  
By Email: **[Shop@Michco.com](mailto:Shop@Michco.com)**  
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**Serving the Cleaning Industry Since 1922**

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# AquaSpot™

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## **OPERATOR MANUAL**

**Advance MODEL 56220000**



**Advance**  
*by Nilfisk-Advance*

10/98 revised 3/02 Form Number 56041422

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This manual will help you get the most from your **AquaSpot™**. Read it thoroughly before operating the machine.

**Note: Bold numbers in parentheses indicate an item illustrated on page 7.**

This product is intended for commercial use only.

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## PARTS AND SERVICE

Repairs, when required, should be performed by your Authorized Nilfisk-Advance Service Center, who employs factory trained service personnel, and maintains an inventory of Nilfisk-Advance original replacement parts and accessories.

Call the NILFISK-ADVANCE DEALER named below for repair parts or service. Please specify the Model and Serial Number when discussing your machine.

(Dealer, affix service sticker here.)

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## NAME PLATE

The Model Number and Serial Number of your machine are shown on the Nameplate on the bottom of the machine. This information is needed when ordering repair parts for the machine. Use the space below to note the Model Number and Serial Number of your machine for future reference.

MODEL NUMBER \_\_\_\_\_

SERIAL NUMBER \_\_\_\_\_

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## UNCRATE THE MACHINE

When the machine is delivered, carefully inspect the shipping carton and the machine for damage. If damage is evident, save the shipping carton so that it can be inspected. Contact the Nilfisk-Advance Customer Service Department immediately to file a freight damage claim.

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# IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

Read all instructions before using this appliance.

## **WARNING !**

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

- \* Do not leave the appliance when it is plugged in. Unplug the unit from the outlet when not in use and before servicing.
- \* To avoid electric shock, do not expose to rain. Store indoors.
- \* Do not allow to be used as a toy. Close attention is necessary when used near children.
- \* Use only as described in this manual. Use only the manufacturer's recommended attachments.
- \* Do not use with damaged cord or plug. If the appliance is not working as it should be, has been dropped, damaged, left outdoors or dropped into water, return it to a service center.
- \* Do not pull or carry by the cord, use the cord as a handle, close a door on the cord, or pull the cord around sharp edges or corners. Do not run the appliance over the cord. Keep the cord away from heated surfaces.
- \* Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
- \* Do not handle the plug, cord or appliance with wet hands.
- \* 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.
- \* Keep loose clothing, hair, fingers, and all parts of body away from openings and moving parts.
- \* Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes, or any health endangering dusts.
- \* Turn off all controls before unplugging.
- \* Use extra care when cleaning on stairs.
- \* Do not use to pick up flammable or combustible liquids such as petrol or use in areas where they may be present.

## **SAVE THESE INSTRUCTIONS**

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# IMPORTANTES MESURES DE SÉCURITÉ

L'utilisation d'un appareil électrique demande certaines précautions:

LIRE TOUTES LES INSTRUCTIONS AVANT DE FAIRE FONCTIONNER CET APPAREIL

## **AVERTISSEMENT !**

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

- \* Ne pas laisser l'appareil sans surveillance lorsqu'il est branché. Débrancher lorsque l'appareil n'est pas utilisé et avant l'entretien.
- \* Pour réduire les risques de choc électrique, utiliser à l'intérieur seulement.
- \* Ne pas permettre aux enfants de jouer avec l'appareil. Une attention particulière est nécessaire lorsque l'appareil est utilisé par des enfants ou à proximité de ces derniers.
- \* N'utiliser que conformément à cette notice avec les accessoires recommandés par le fabricant.
- \* Ne pas utiliser si le câble 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.
- \* Ne pas tirer soulever ou traîner l'appareil par le câble. Ne pas utiliser le câble 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 câble. Garder le câble à l'écart des surfaces chaudes.
- \* Ne pas débrancher en tirant sur le câble. Tirer plutôt la fiche.
- \* Ne pas toucher la fiche ou l'appareil avec des mains humides.
- \* 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.
- \* Maintenir les cheveux, les vêtements amples, les doigts et toutes les parties du corps à l'écart des ouvertures et des pièces mobiles.
- \* Ne pas aspirer de matières en combustion ou qui dégagent de la fumée, comme des cigarettes, des allumettes ou des cendres chaudes.
- \* Mettre toutes les commandes à la position ARRÊT avant de débrancher l'appareil.
- \* User de prudence lors du nettoyage des escaliers.
- \* 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.

## **CONSERVER CES INSTRUCTIONS**

# GROUNDING INSTRUCTIONS

This appliance must be grounded. If it should electrically malfunction, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance 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 and grounded in accordance with all local codes and ordinances.

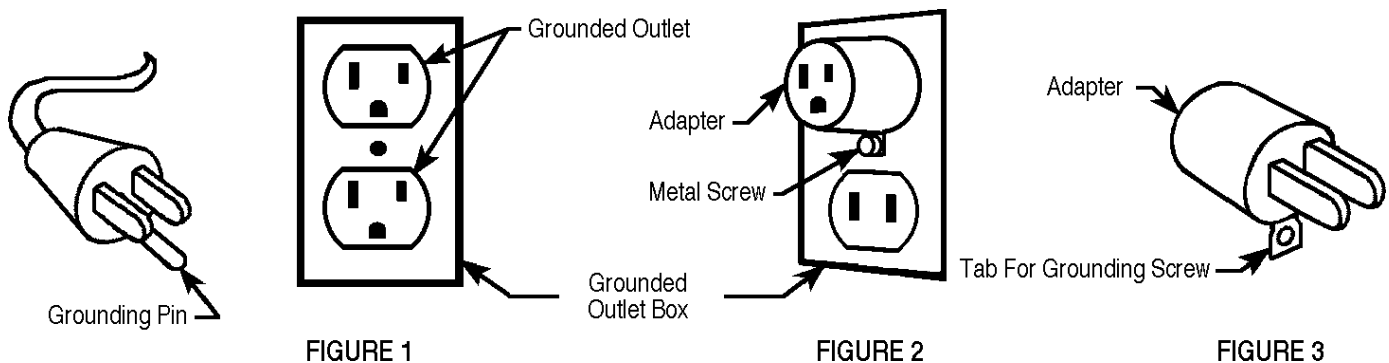
## **⚠ DANGER!**

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 appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120-volt circuit, and has a grounding plug that looks like the plug illustrated in Figure 1 below. A temporary adapter illustrated in Figures 2 and 3 may be used to connect this plug to a 2-pole receptacle as shown in Figure 2 if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (Figure 1) can be installed by a qualified electrician. The green-colored rigid ear, tab, 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. Grounding adapters are not approved for use in Canada. Replace the plug if the grounding pin is damaged or broken.

The Green (or Green/Yellow) wire in the cord is the grounding wire. When replacing a plug, this wire must be attached to the grounding pin only. Extension cords connected to this machine should be 12 gauge, three-wire cords with three-prong plugs and outlets. DO NOT use extension cords more than 50 feet (15 m) long.

### PLEASE NOTE: FOR NORTH AMERICA ONLY



# INSTRUCTIONS VISANT LA MISE À LA TERRE

Cet appareil doit être mis à la terre. En cas de défaillance ou de panne éventuelles, la mise à la terre fournit au courant un chemin de moindre résistance qui réduit le risque de choc électrique. Cet appareil est pourvu d'un cordon muni d'un conducteur de terre et d'une fiche avec broche de terre. La fiche doit être branchée dans une prise appropriée correctement installée et mise à la terre conformément aux règlements et ordonnances municipaux.

## ⚠ AVERTISSEMENT !

Un conducteur de terre mal raccordé peut entraîner un risque de choc électrique. Consulter un électricien ou un technicien d'entretien qualifié si vous n'êtes pas certain que la prise est correctement mise à la terre. Ne pas modifier la fiche fournie avec l'appareil - si elle ne peut être insérée dans la prise, faire installer une prise adéquate par un électricien qualifié.

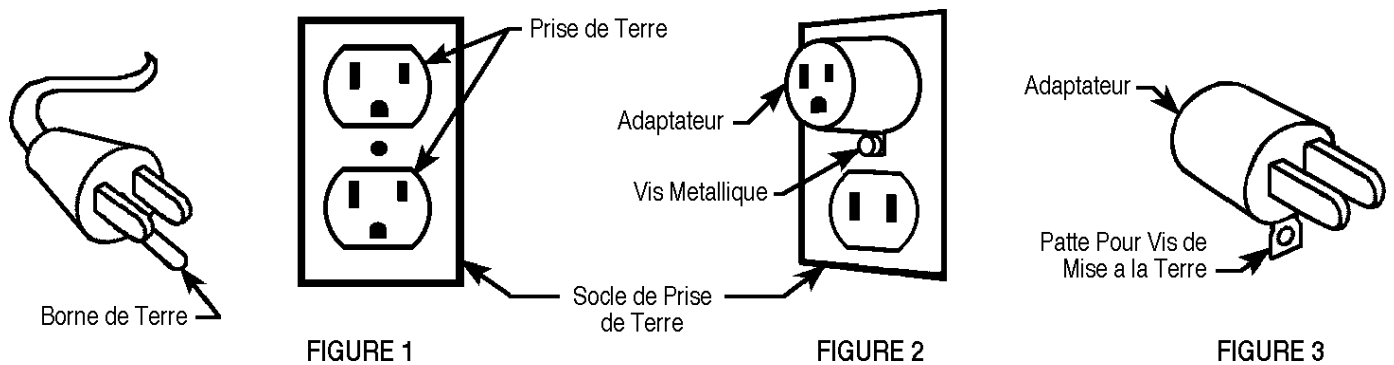
Cet appareil est destiné à un circuit de 120 V et est muni d'une fiche de terre semblable à celle illustrée par le croquis 1. Un adaptateur temporaire semblable à celui illustré par le croquis 2 et C peut être utilisé pour brancher cette fiche à une prise bipolaire comme l'illustre le croquis 2 si une prise avec mise à la terre n'est pas disponible. L'adaptateur temporaire devrait être utilisé seulement jusqu'à ce qu'une prise avec mise à la terre soit installée par un électricien qualifié. L'oreille rigide ou le crochet ou autre dispositif semblable, de couleur verte, prolongeant l'adaptateur doit être raccordé à un élément correctement mis à la terre comme le couvercle d'une boîte de sortie mise à la terre. L'adaptateur doit être fixé par une vis métallique. **Note:** Au Canada, l'utilisation d'un adaptateur temporaire n'est pas autorisée par le Code canadien de l'électricité.

Remplacez la prise si la prise de terre est abîmée ou cassée.

Le fil Vert (ou Vert/Jaune) dans la gaine est le fil de terre. Lors du remplacement d'une prise, ce fil doit être raccordé à la prise de terre uniquement.

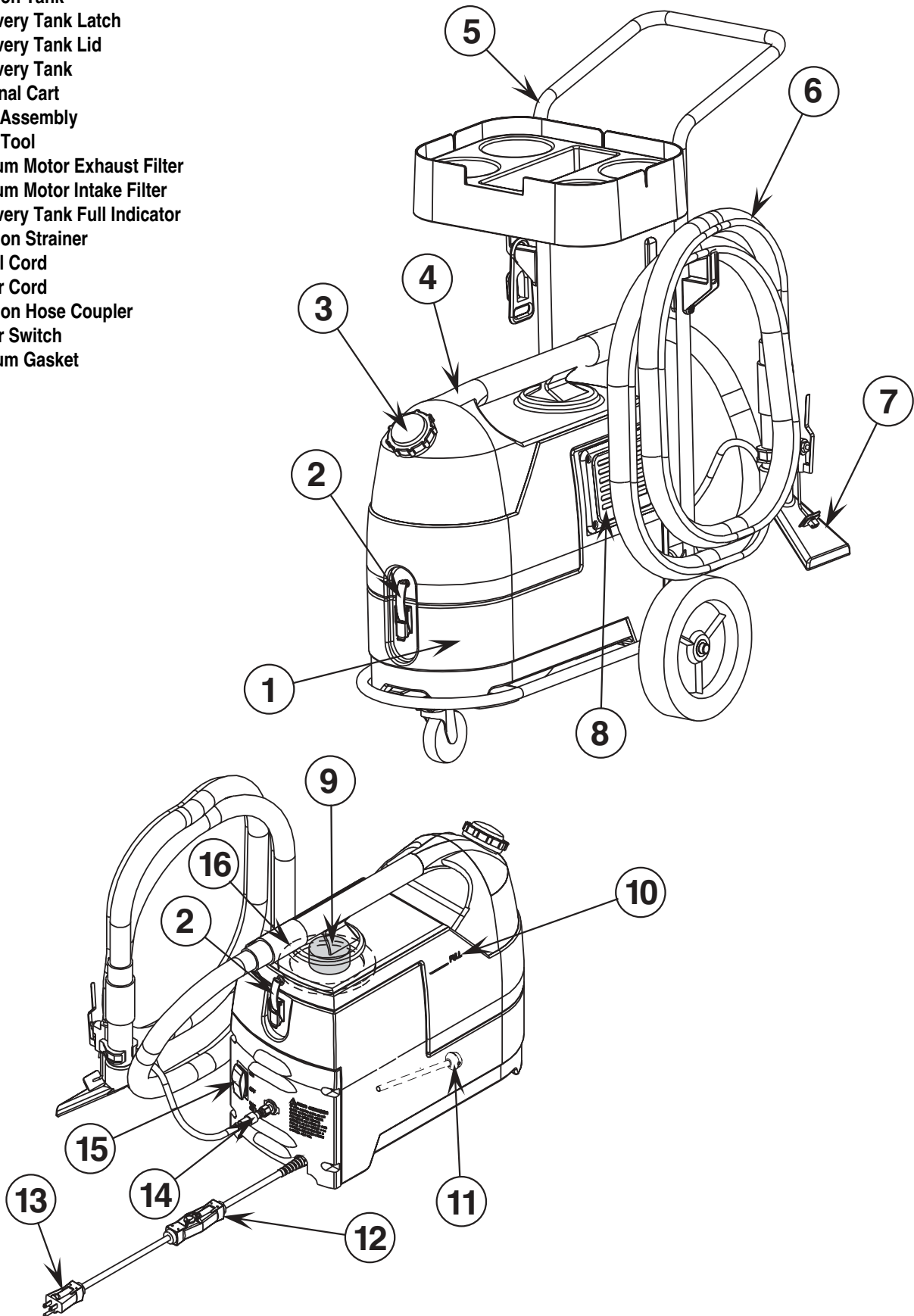
Les ralonges connectées à cette machine doivent avoir 12 mesures, trois ganses de fil ayant **trois fiches masculines féminines tree-prong plugs and outlets**. N'UTILISEZ PAS de ralonge de plus de 15 m (50 pieds) de long.

**VEUILLEZ NOTER: CES INSTRUCTIONS CONCERNENT UNIQUEMENT L'AMÉRIQUE DU NORD**



# KNOW YOUR MACHINE

- 1 Solution Tank
- 2 Recovery Tank Latch
- 3 Recovery Tank Lid
- 4 Recovery Tank
- 5 Optional Cart
- 6 Hose Assembly
- 7 Hand Tool
- 8 Vacuum Motor Exhaust Filter
- 9 Vacuum Motor Intake Filter
- 10 Recovery Tank Full Indicator
- 11 Solution Strainer
- 12 Pigtail Cord
- 13 Power Cord
- 14 Solution Hose Coupler
- 15 Power Switch
- 16 Vacuum Gasket



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# PREPARING FOR USE AND OPERATING THE MACHINE

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## **WARNING!**

Use only nonflammable commercial chemicals intended for machine application.

- 1 Unsnap the Recovery Tank Latches (2) and remove the Recovery Tank (4) from the machine.
- 2 Pour up to 2 gallons (9 liters) of hot water into the Solution Tank (1).

**NOTE:** Liquid cleaning chemical can be added to water if desired. Follow instructions on the chemical bottle for proper dilution. Do not mix powdered chemicals in the Solution Tank, mix them thoroughly in a bucket first. Undissolved powder can clog the solution pump.

- 3 Re-install the Recovery Tank (4) and secure with Latches (2).
- 4 Connect the Hose Assembly (6) to the machine, make sure the Solution Hose Coupler (14) is locked in place.
- 5 Plug the Power Cord (13) into a properly grounded outlet.

---

## **SPOTTING PROCEDURES PRIOR TO OPERATING MACHINE**

- 1 Soak up excess liquids with a towel.
- 2 Test cleaner on a small inconspicuous area to make sure it will not damage the carpet fibers.
- 3 Apply appropriate spotter, follow directions on bottle.
- 4 Start at outside edges of stain and work toward the center. Use a dabbing, not a rubbing action.
- 5 Repeat steps 3-4 if needed.

---

## **OPERATING THE MACHINE**

- 1 Toggle the Power Switch (15) to the UP position to turn both the vacuum motor and the solution pump ON. With the Power Switch (15) in the DOWN position, only the vacuum motor runs.
- 2 Place the Hand Tool (7) on the stain and squeeze the trigger while pulling back on the tool.

**NOTE:** Do not oversaturate the upholstery.

- 3 Check fluid level in the Recovery Tank (4) periodically. When the fluid reaches the Recovery Tank Full Indicator (10), shut the machine OFF and empty the tank at a designated waste water "DISPOSAL SITE".

## **CAUTION!**

Do not continue to use the machine after the Recovery Tank is FULL. This will damage the vacuum motor and is NOT COVERED UNDER WARRANTY.

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## AFTER USE

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### **WARNING !**

To reduce the risk electric shock or injury, unplug the power cord before servicing.

- 1 Toggle the Power Switch (15) to the MIDDLE position to turn both the vacuum motor and the solution pump OFF.
- 2 DISCONNECT THE POWER CORD (13).
- 3 Move the machine to a designated waste water "DISPOSAL SITE".
- 4 Disconnect the Hose Assembly (6) from the machine.
- 5 Unstrap the Latches (2) and lift the Recovery Tank (4) from the machine.
- 6 Remove the Recovery Tank Lid (3), empty the tank and rinse with clean water.
- 7 Tip the Solution Tank (1) over to empty unused water or solution. Rinse the tank thoroughly if any cleaning chemical was used.

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## MAINTENANCE SCHEDULE

MAINTENANCE ITEM	DAILY	WEEKLY	YEARLY
Clean the Hand Tool	X		
Check the Power Cord for Damage	X		
**Flush Pump System	X		
Clean the Vacuum Motor Filters		X	
*Check the Vacuum Motor Brushes			X

\*Have Nilfisk-Advance check the carbon motor brushes once a year or after 500 operating hours.

\*\*If you use cleaning chemicals in the Solution Tank (1) the pump system should be flushed clean after each use.

- 8 Store the machine indoors in a clean, dry place. Keep from freezing. Leave the tanks open to air them out..

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## FLUSHING PUMP SYSTEM

- 1 Move the machine to a designated waste water "DISPOSAL SITE".
- 2 Fill the Solution Tank (1) with clean hot water.
- 3 Plug the machine in and toggle the Power Switch (15) to the UP position.
- 4 Pull and hold the trigger on the Hand Tool (7) until all of the water has emptied from the tank.

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## VACUUM MOTOR MAINTENANCE

Once a month, check the vacuum motor to make sure the airways are not blocked. Clear hose of debris and keep the vacuum motor exhaust area clean.

Have Nilfisk-Advance check the carbon motor brushes once a year or after 500 operating hours. Replace the carbon brushes if they are worn to 3/8" (9.5 mm) or less.

### **IMPORTANT !**

Motor damage from failure to service the carbon brushes is not covered under warranty.

# TROUBLESHOOTING

Problem	Possible Cause	Remedy
Poor water pick-up	Vacuum hose cuff is not firmly pushed onto recovery tank fitting.	Push hose cuff onto fitting.
	Vacuum Motor Intake Filter (9) is clogged	Remove and clean filter
	Recovery Tank (4) is not firmly latched onto the Solution Tank (1).	Check Latches (2) and re-latch.
	Vacuum Gasket (16) between tanks is worn or damaged.	Replace gasket
	Recovery Tank Lid (3) not sealing.	Replace or tighten Lid
Little or no solution pressure	Solution Strainer (11) clogged.	Remove and clean strainer

## TECHNICAL SPECIFICATIONS (as installed and tested on unit)

Model	AquaSpot™	
Model Number	56220000	
Voltage/frequency	V/Hz	120/60
Rated Current	Amp	6
Protection Class (electrical)		⚡
Sound Pressure Level (at 1.5m)	dB(A)/20μPa	<73



Nilfisk-Advance, Inc.  
14600 21st Avenue North  
Plymouth, MN, 55447-3408  
[www.nilfisk-advance.com](http://www.nilfisk-advance.com)  
Phone: 800-989-2235  
Fax: 800-989-6566  
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