

Carpet Maintainer

Quick Dry Scrubber

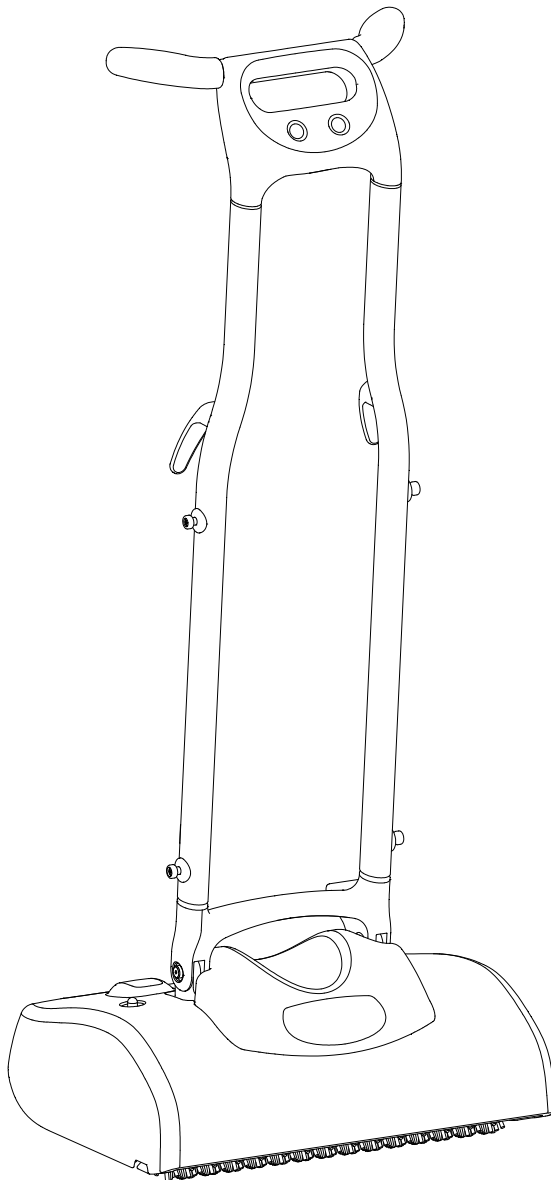
Operating instructions (ENG)

MODELS:

IM
1.006-636.0

IMX
1.006-640.0

IMXIE17
1.006-641.0



From Serial Number (Ref No1*)
*See Serial Number Page
in Spare Parts List
or call manufacturer

Machine Data Label

Model: _____

Date of Purchase: _____

Serial Number: _____

Dealer: _____

Address: _____

Phone Number: _____

Sales Representative: _____

Overview

The Carpet Maintainer is designed to maintain carpet using the Quick Dry Carpet Care System. The machine has two counter rotating brushes that scrub chemical into the carpet. The chemicals, iCapsol or Prochem ProCaps, encapsulates the dirt, allowing both to be vacuumed up once the chemical has dried. The brushes also raise the pile of the carpet. The Deluxe models have a solution tank and pump powered spraying system, which applies the chemical to the carpet as the machine is used.

Warranty Registration

Thank you for purchasing our product. Warranty registration is quick and easy. Your registration will allow us to serve you better over the lifetime of the product.

To register your product go to :
<https://www.legendbrandscleaning.com/Warranty>
For customer assistance:
800-932-3030

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How To Use This Manual

This manual contains the following sections:

- How to use this manual
- Safety
- Operations
- Maintenance
- Suggested Spare Parts

The HOW TO USE THIS MANUAL section will tell you how to find important information for ordering correct repair parts.

Parts may be ordered from authorized dealers. When placing an order for parts, the machine model and machine serial number are important. Refer to the MACHINE DATA box which is filled out during the installation of your machine. The MACHINE DATA box is located on the inside of the front cover of this manual.

Model: _____
Date of Purchase: _____
Serial Number: _____
Dealer: _____
Address: _____
Phone Number: _____
Sales Representative: _____

The model and serial number of your machine is on the operator's left hand side, side panel of base.

The SAFETY section contains important information regarding hazardous or unsafe practices of the machine. Levels of hazards are identified that could result in product damage, personal injury, or severe injury resulting in death.

The OPERATIONS section is to familiarize the operator with the operation and function of the machine.

The MAINTENANCE section contains preventive maintenance to keep the machine and its components in good working condition. They are listed in this general order:

- Batteries
- Scrub Brushes
- Adjusting squeegee
- Scrub Deck Skirts
- Squeegee Blade
- Service Schedule

NOTE: If a service or option kit is installed on your machine, be sure to keep the KIT INSTRUCTIONS which came with the kit. It contains replacement parts numbers needed for ordering future parts.

NOTE: The manual part number is located on the lower right corner of the front cover.

IMPORTANT SAFETY INSTRUCTIONS

**When using this machine, basic precaution must always be followed, including the following:
READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.**

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

Connect to a **properly grounded outlet**. See Grounding Instructions.

Do not leave the machine unattended. Unplug machine from outlet when not in use and before maintenance or service.

Do not allow machine to be used as a toy. **Close attention** is necessary when used by or near children.

Use only as described in this manual. Use only manufacturer's recommended components and attachments.

Do not use damaged electrical cord or plug. Follow all instructions in this manual concerning grounding the machine. If the machine is **not working properly**, has been dropped, damaged, left outdoors, or dropped into water, return it to an authorized service center.

Do not pull or carry machine by electrical cord, use as a handle, close a door on cord, or pull cord around sharp edges or corners.

Do not run machine over cord or allow the rotating brushes to come in contact with the cord. **Keep** cord away from heated surfaces.

Do not unplug machine by pulling on cord. To unplug, grasp the electrical plug, not the electrical cord.

Do not handle the electrical plug or machine with wet hands.

Do not operate the machine with any openings blocked. Keep openings free of debris that may reduce airflow.

Machine is designed for indoor use only and must not be operated or stored outdoors in wet conditions.

Turn off all controls before unplugging.

Maintenance and repairs must be done by qualified personnel.

Do not operate this machine near flammable fluids, dust or vapors.

READ AND SAVE THESE INSTRUCTIONS

CONSIGNES DE SÉCURITÉ IMPORTANTES

Lors de l'utilisation de cette machine, des précautions de base doivent toujours être prises, y compris les précautions suivantes :
LIRE TOUTES LES INSTRUCTIONS AVANT D'UTILISER CETTE MACHINE.

AVERTISSEMENT:

Pour réduire le risque d'incendie, d'électrocution ou de blessure :

Cet appareil ne doit être connecté qu'à des prises ayant une sortie de terre.

Ne pas laisser l'appareil sans surveillance lorsqu'il est branché. Débrancher lorsque l'appareil n'est pas utilisé et avant l'entretien.

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.

Utiliser cet appareil conformément aux instructions du présent manuel uniquement. N'utiliser que conformément à cette notice avec les accessoires recommandés par le fabricant.

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.

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.

Ne pas débrancher en tirant sur le cordon. Tirer plutôt la fiche.

Ne pas toucher la fiche ou l'appareil lorsque vos mains sont 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.

Cette machine est faite pour un usage à sec seulement et ne doit pas être utilisée ou rangée à l'extérieur dans des conditions humides.

Éteignez toutes les commandes avant de débrancher.

L'entretien et les réparations de la machine **doivent être effectuées** par un personnel qualifié.

N'utilisez pas cette machine avec ou à proximité de combustibles, poussières de céréales, solvants, diluants ou autres matériaux inflammables.

LIRE ET CONSERVER CES INSTRUCTIONS

The following symbols are used throughout this guide as indicated in their descriptions:

HAZARD INTENSITY LEVEL

There are three levels of hazard intensity identified by signal words **-WARNING** and **CAUTION** and **FOR SAFETY**. The level of hazard intensity is determined by the following definitions:



WARNING - Hazards or unsafe practices which COULD result in severe personal injury or death.



CAUTION - Hazards or unsafe practices which could result in minor personal injury or product or property damage.

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

Report machine damage or faulty operation immediately. Do not use the machine if it is not in proper operating condition. Following is information that signals some potentially dangerous conditions to the operator or the equipment. Read this information carefully. Know when these conditions can exist. Locate all safety devices on the machine. Please take the necessary steps to train the machine operating personnel.

FOR SAFETY:

DO NOT OPERATE MACHINE:

Unless Trained and Authorized.

Unless Operation Guide is Read and understood.

In Flammable or Explosive areas.

In areas with possible falling objects

WHEN SERVICING MACHINE:

Avoid moving parts. Do not wear loose clothing; jackets, shirts, or sleeves when working on the machine. Use manufacturer approved replacement parts.

Les symboles suivants sont utilisés dans tout ce manuel, tels que décrits ici :

NIVEAU D'INTENSITÉ DU DANGER

Il existe trois niveaux d'intensité du danger, identifiés par des termes d'avertissement - **AVERTISSEMENT**, **ATTENTION** et **POUR VOTRE SÉCURITÉ**. Le niveau d'intensité du danger est déterminé par les définitions suivantes :

AVERTISSEMENT:

AVERTISSEMENT - Les dangers ou des pratiques contraires à la sécurité qui POURRAIENT entraîner des blessures personnelles ou la mort.

ATTENTION:

ATTENTION - Les dangers ou des pratiques contraires à la sécurité qui pourraient entraîner des blessures personnelles légères ou des dégâts sur le produit ou d'autres biens.

POUR DES RAISONS DE SÉCURITÉ : Pour identifier les actions qui doivent être exécutées pour un fonctionnement sûr de l'équipement.

Signaler immédiatement tout dommage subi par la machine ou fonctionnement défectueux. Ne pas utiliser la machine si elle ne fonctionne pas correctement. Ci-dessous se trouvent les informations indiquant les conditions potentiellement dangereuses pour l'opérateur ou l'équipement. Lire attentivement ces informations. Être conscient que ces conditions peuvent survenir. Repérer tous les dispositifs de sécurité sur la machine. Suivre les étapes nécessaires de formation du personnel qui utilise la machine.

POUR DES RAISONS DE SÉCURITÉ :

NE PAS FAIRE FONCTIONNER LA MACHINE :

Sauf si le personnel est formé et autorisé.

Sauf si le manuel d'utilisation est lu et compris.

Dans des zones inflammables ou explosives.

Dans des zones contenant des objets susceptibles de tomber

LORS DE L'ENTRETIEN DE LA MACHINE :

Éviter les pièces mobiles. Ne pas porter de vêtements, vestes, chemises ou manches vagues lors de l'entretien de la machine. Utiliser les pièces de rechange approuvées par le fabricant.

THIS PRODUCT IS FOR COMMERCIAL USE ONLY.

Electrical

In the USA, this machine operates on a standard 15 amp 120V, 60 hz, A.C. power circuit. The amp, hertz, and voltage are listed on the data label found on each machine. Using voltages above or below those indicated on the data label will cause serious damage to the motors.

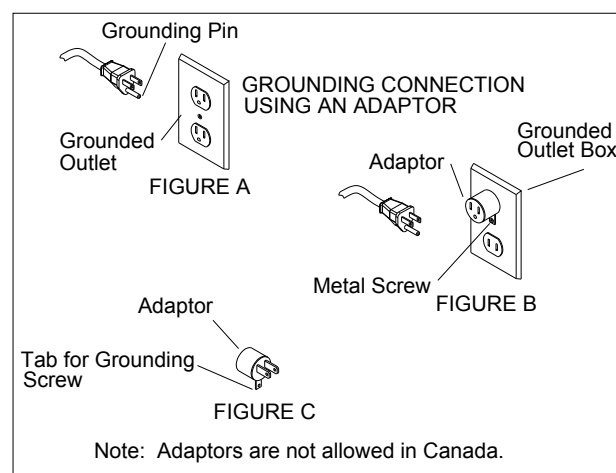
Extension Cords

If an extension cord is used, the wire size must be at least one size larger than the power cord on the machine, and must be limited to 50 feet (15.5m) in length.

Grounding Instructions – 120V Only

This appliance 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 appliance 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.

This appliance is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug in "Fig. A". A temporary adapter that looks like the adapter in "Fig. 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 adapter should be used only until a properly grounded outlet (Fig. 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.



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

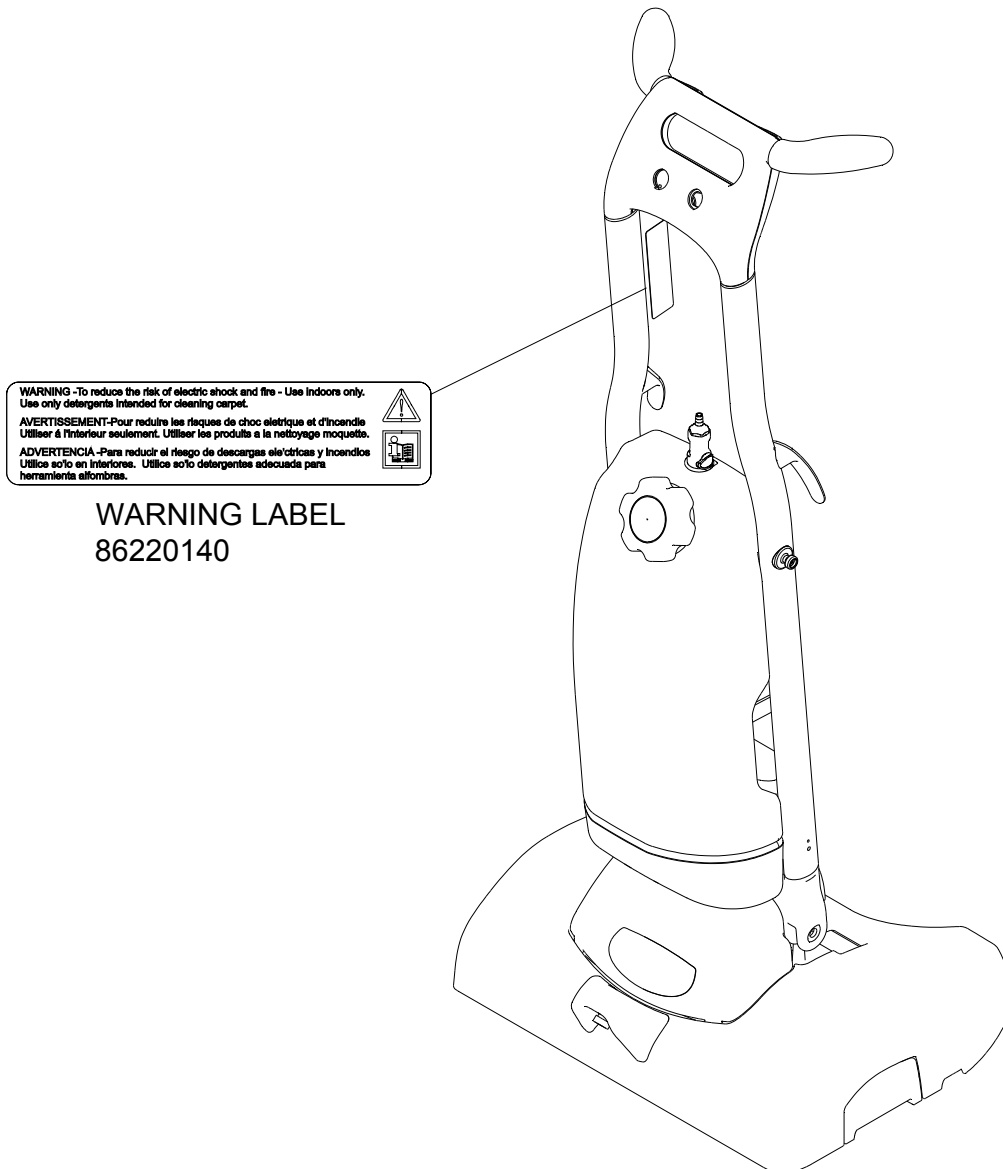
⚠ AVERTISSEMENT:

Le raccordement incorrect du conducteur de terre d'équipement peut entraîner des risques d'électrocution. Vérifiez auprès d'un électricien qualifié ou d'un responsable de l'entretien si vous avez quelque doute que ce soit quant au raccordement à la terre de votre prise murale. Ne modifiez pas la fiche fournie avec l'appareil : si elle ne correspond pas à la prise murale, faites installer une prise adéquate par un électricien qualifié.

Safety Labels

The following **WARNING LABEL(S)** are found on your cleaning unit. These labels point out important Warnings and Cautions which should be followed at all times. Failure to follow warnings and cautions could result in fatality, personal injury to yourself and/or others, or property damage. Follow these instructions carefully!

DO NOT remove these labels. These drawings indicate the location of safety labels on the machine. If at any time the labels become illegible, promptly replace them.



Technical Specifications

Special Notes:

The sound pressure level at the operator's ear was measured to be 67.7dBA. This was a nearfield, broad-band measurement taken on a carpeted floor. This appliance contains no possible source of impact noise. The instantaneous sound pressure level is below 63 Pa.

The weighted root mean square acceleration at the operator's arms was measured to be below 2.5m/s^2 . This was a tri-axial, third-octave-band measurement made during normal operation on a composite tile floor. The measurement and related calculations were made in accordance with ISO 5349-1.

Technical Specifications

120V

ITEM	DIMENSION/CAPACITY
Electrical	120V
Nominal Power	0.5 HP
Rated Amperage	7 Amps
Brush Width	17 – 16.5" (430 - 420 mm)
Brush RPM	470 RPM
Wheels	3 inches (75 mm) non-marking grey
Dimensions - Weight	48 lbs. (22 kg)
- Weight - Deluxe	56 lbs. (25 kg)
Dimensions – Height with handle	45.5" (1.16 m)
Dimensions – Depth	16 inches (0.4 m)
Power Cord	40 feet (12.2 m)
Solution Tank Volume - Deluxe	2 gallon
Pump Pressure - Deluxe	50 psi
Solution Flow - Deluxe	0.1 gpm
Spray Jet Size - Deluxe	.010

230V

ITEM	DIMENSION/CAPACITY
Electrical	230V
Nominal Power	0.5 HP
Rated Amperage	4 Amps
Brush Width	17 – 16.5" (430 - 420 mm)
Brush RPM	470 RPM
Wheels	3 inches (75 mm) non-marking grey
Dimensions - Weight	48 lbs. (22 kg)
- Weight - Deluxe	56 lbs. (25 kg)
Dimensions – Height - with handle	45.5" (1.16 m)
Dimensions – Depth	16 inches (0.4 m)
Power Cord	40 feet (12.2 m)
Solution Tank Volume - Deluxe	2 gallon
Pump Pressure - Deluxe	50 psi
Solution Flow - Deluxe	0.1 gpm
Spray Jet Size - Deluxe	.010

CAUTION:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

AVERTISSEMENT:

Cet appareil n'est pas prévu à l'usage des personnes (enfants y compris) avec des possibilités physiques, sensorielles ou mentales réduites, ou le manque d'expérience et de connaissance, à moins qu'ils aient été donnés la surveillance ou l'instruction au sujet de l'utilisation de l'appareil par une personne chargée de leur sûreté. Des enfants devraient être dirigés pour s'assurer qu'ils ne jouent pas avec l'appareil.

How The Machine Works

The Carpet Maintainer is designed to maintain your carpet using the Quick Dry Carpet Care System. By using the Carpet Maintainer in conjunction with iCapsol or Prochem ProCaps chemical solution, you can perform a regular light cleaning and grooming of your carpet very quickly, and have the carpet dry and ready for traffic within 20 minutes.

The handle movement flexibility allows the machine to clean under low furniture. There is a hand operated on/off switch and auto-handle lock keeping the handle in an upright position. This unit is equipped with a safety feature that when unplugged from the wall or the handle dropped, will automatically reset to the off position.

The debris tray is used to catch unwanted carpet debris and should be cleaned regularly and prior to transporting.

This appliance conforms with international and national safety directives: EN55014-2, EN5504-1, EN61000-3-2/3-3, EN60335-1/2-10/2-69/2-67. IEC 60335-1/2/10/2-67/2-69. LVD 73/23/EEC.

Deluxe

This unit is equipped with an onboard spray pump and solution tank. By using the onboard spraying system a light treatment of chemical can be applied to the carpet and brushed in during a single pass of the machine.

Quick Dry Carpet Care System Instructions

Test for colorfastness in an inconspicuous area before use.

1. Vacuum carpet to remove loose soil.
2. Dilute iCapsol or Prochem ProCaps at 8oz. per gallon of water (1:16) into the solution tank.
3. Pre-spray carpet to be cleaned at a rate of 600–1000 sq. ft. per gallon of diluted solution. Do not over wet.
4. No dwell time is required. Do not allow chemical to dry before brushing.
5. Brush treated area to emulsify soils using the Windsor iCapsol or other carpet-brushing machine.
6. Allow to dry until dry to touch (approximately 20 minutes) before opening area to traffic.
7. Vacuum carpet when fully dry to remove encapsulated soil.

Tips: Pre-treat carpet spots with iCapsol Interim cleaning solution. Work on a manageable area and do not allow cleaning solution to dry on carpet before brushing.

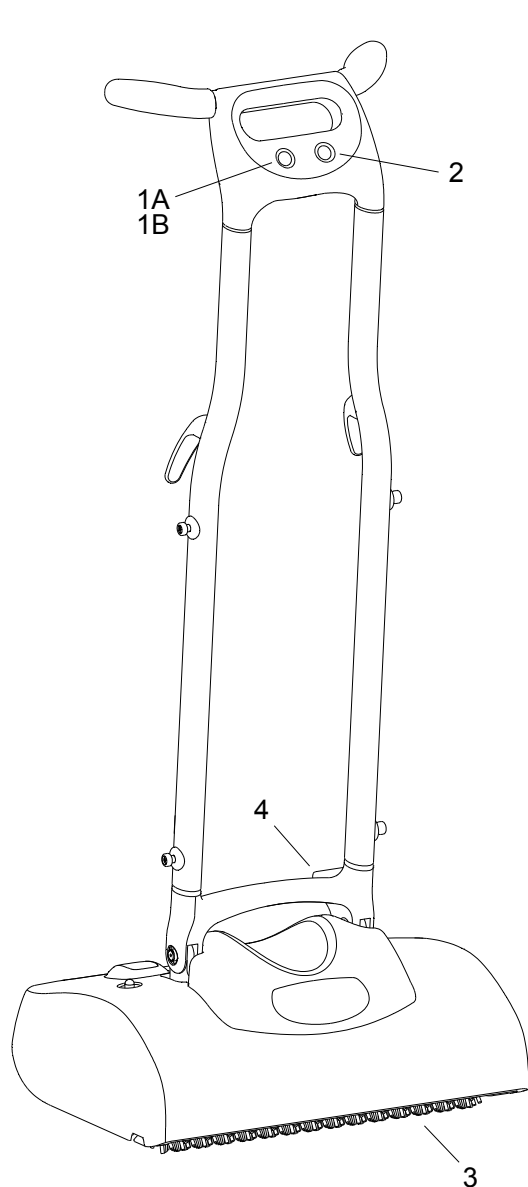
Deluxe

The Deluxe is provided with a removable solution tank. To remove tank for filling and cleaning, press the gray release button on the blue coupler located at the top of the tank. Next remove upper straps from mounting pegs. The tank will now freely separate from the machine base. After filling tank remount to machine by reversing the process mentioned above.

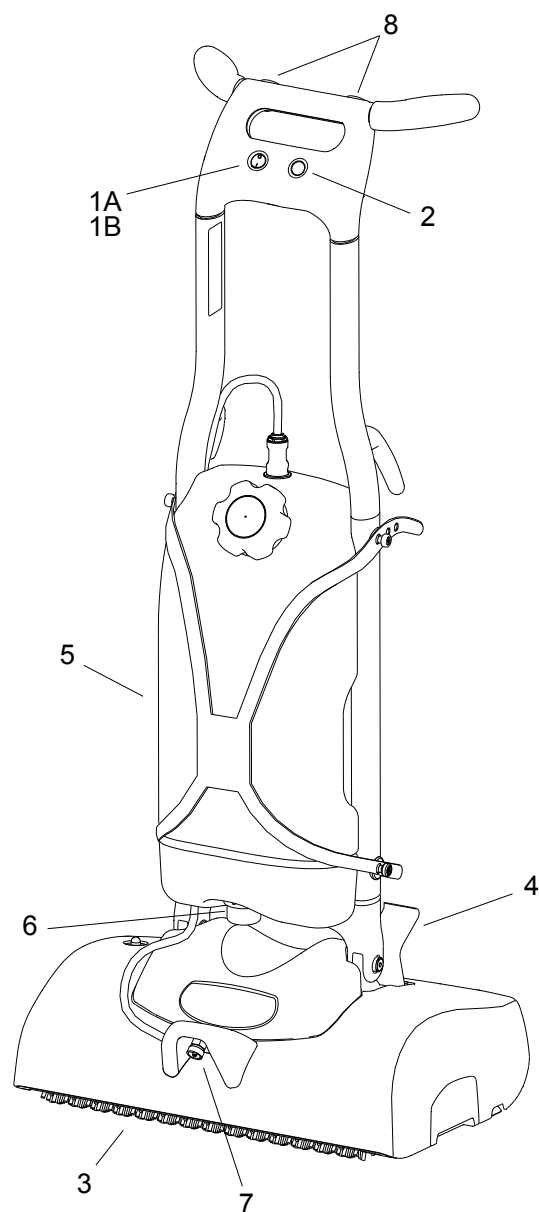
The proper 1:16 dilution ratio can be achieved by adding one pint (16 oz.) of recommended chemical and slowly filling the tank with water (2 gallons). Adding water slowly will help prevent foaming.

To achieve a coverage rate of 600–1000 sq. ft. per gallon using the onboard sprayer, spray solution only during the forward stroke of operation. Use the back-stroke to brush the chemical into the carpet.

Components



Standard



Deluxe

- 1A. Stop Switch (red - 120V only)
- 1B. On/Off Switch (black - 230V only)
- 2. Start Switch (green)
- 3. Brushes
- 4. Handle Release
- 5. Tank
- 6. Strainer
- 7. Jet
- 8. Spray Pump Switch

Machine Operation

Pre-Run Machine Inspection

Perform a pre-run inspection to find possible problems that could cause poor performance or lost time from breakdown. Check the rating plate to confirm voltage and frequency is the same as the power supply.

NOTE: A 10% variation in voltage is acceptable.

Starting Machine

NOTE: Perform pre-run machine check before operating machine.

FOR SAFETY: Before starting machine, make sure that all covers are in place and secured properly.

1. Connect the machine to a power supply.
2. Release the handle lock.
3. A. Press green button to power on the machine, **120V only**.
B. Set black on/off switch to "on" position, **230V only**.
4. Press green button to start brushes.

After applying a light spray of diluted interim carpet cleaner onto the carpet using a pressurized tank sprayer, commence cleaning by pushing and pulling the machine slowly over the wetted carpet. Move the machine in multiple directions and overlapping strokes.

For best results use Windsor iCapsol or Prochem ProCaps products.

Starting Machine – Deluxe

NOTE: Perform pre-run machine check before operating machine.

FOR SAFETY: Before starting machine, make sure that all covers are in place and secured properly.

1. Connect the machine to a power supply.
2. Release the handle lock.
3. A. Press green button to power on machine, **120V only**.
B. Set black on/off switch to "on" position, **230V only**.
4. Press green button to start brushes.
5. Press and hold blue button to spray chemical. Once machine is plugged in spray function is operational.

Apply a light spray of diluted interim carpet cleaner onto the carpet using the onboard spraying system. Spray chemical while pushing the machine forward. Brush the chemical into the carpet while pulling the machine slowly over the wetted carpet. Move the machine in multiple directions and overlapping strokes.

For best results use Windsor iCapsol or Prochem ProCaps products.

WARNING:

Flammable materials can cause an explosion or fire. Do not use flammable materials with this machine.

AVERTISSEMENT:

Les matières inflammables peuvent provoquer une explosion ou un incendie. Ne pas utiliser de matériaux inflammables dans les réservoirs.

Transporting a Sprayer

1. This machine has the capability to mount a small pump-up sprayer.

Transporting Chemical - Deluxe

1. This machine has the capability to mount chemical bottles or trigger sprayers to the back of the solution tank.

WARNING:

This machine is not intended to carry more than 30 pounds. Carrying more than 30 pounds could cause damage to the machine.

AVERTISSEMENT:

Cette machine n'est pas conçue pour supporter plus de 30 livres. Si le poids supporté était supérieur à 30 livres, la machine pourrait être endommagée.

Shut-down And Storage

1. Flush the spray jet and tank with hot water (Deluxe only)
2. After flushing, uncouple quick disconnect to prevent water from dripping out of front jet.
3.
 - a. Press red button to power off machine
120V only.
 - b. Set black on/off switch to "off" position
230V only.
4. Lock handle in the upright position.
5. Disconnect the power cord from the power supply. Wind the power cord around the cable holders on the handle.
6. Remove the brushes for cleaning. See Brush Cleaning and Maintenance section.
7. Clean debris tray.

The machine is now ready for storage until the next use. Make sure to store your equipment in a dry place to prolong the life of your machine. Storage outdoors or unprotected could cause damage to your machine or internal parts, therefore voiding your warranty.

Maintenance

Brush Cleaning And Maintenance

After each session of carpet cleaning, the brushes and the brush housing should be cleaned. Before cleaning or changing the brushes, always unplug the machine from the power supply.

Brushes are removed without tools. After handle is in locked position, tilt the machine back and rest on handle. To release brush from spring clip pull spring clip away from brush end cap. Lift brush out of machine.

The brushes may be soaked in warm or hot water using mild detergent, and then rinsed with warm water.

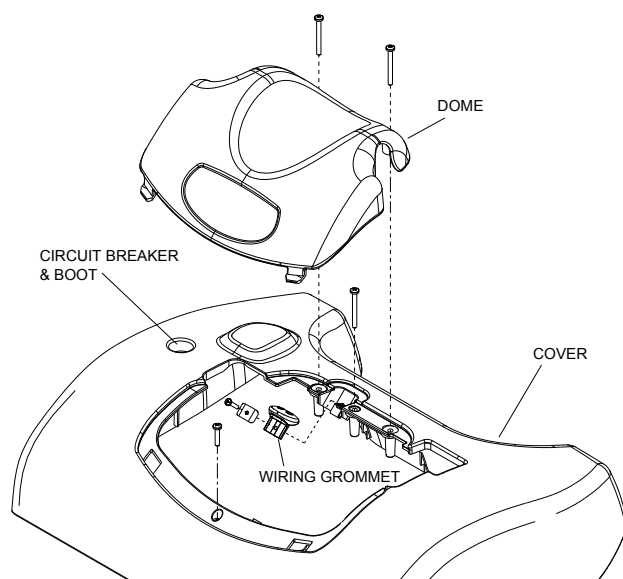
NOTE: Brushes with crushed bristles can often be restored to original condition by soaking in hot water.

Keep brushes clean and free from debris. Rotate brushes after every use as this will increase the life span of the brushes and ensure even wear.

Before reinstalling brushes, clean out machine brush housing and hopper by wiping with a clean damp cloth.

Motor Replacement & Grooved Belt Tensioning

1. Disconnect machine power supply.
2. Detach quick disconnect hose from top of solution tank. (Deluxe Only)
3. Remove elastic straps and solution tank. (Deluxe Only)
4. Remove two dome screws and dome assembly.

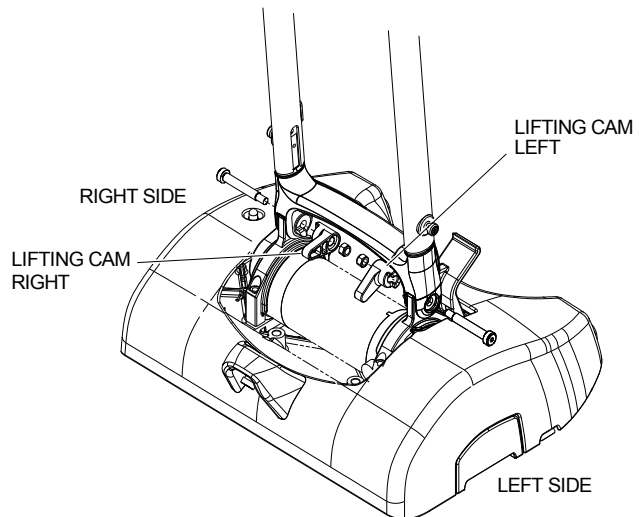


5. Remove the circuit breaker boot and push the circuit breaker clear of cover.

NOTE: All directions mentioned in this manual are from the operator's point of view.

6. Mark left and right on the lift cams.
7. Remove the two cam bolts. This will also free the lift cams.

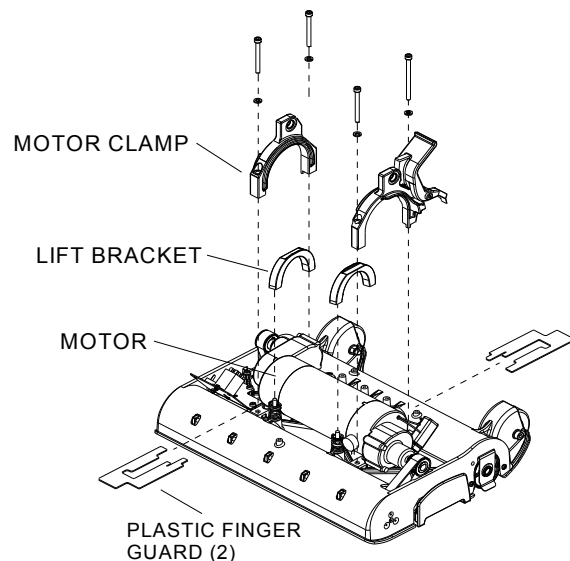
NOTE: There are four plastic bushings that the handle pivots on, leave them on the motor clamps.



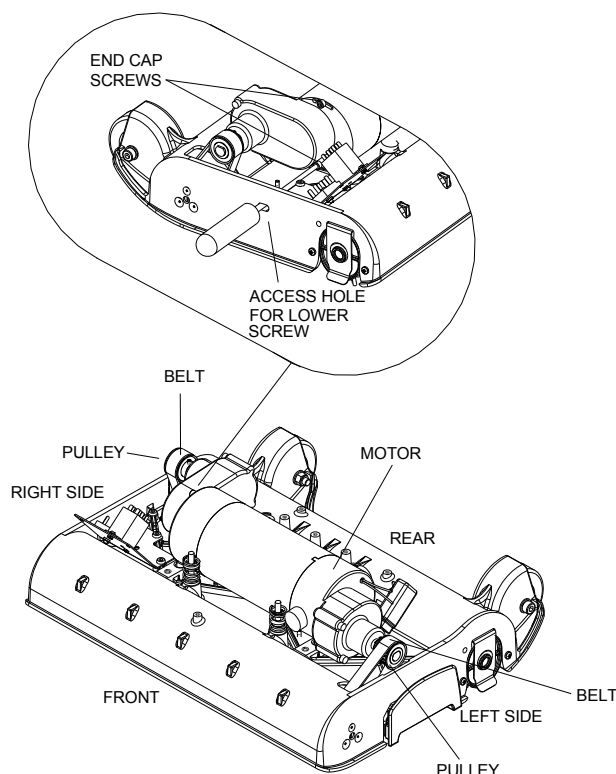
8. Remove the handle assembly.
9. Unscrew the wiring grommet from the main cover, and set retaining bracket and screw aside.
10. Remove the front and back screws and move the main cover to the side.

NOTE: The handle assembly and cover are still attached to the frame by wiring. Be careful not to pinch wiring when reassembling.

11. Remove the (2) plastic finger guards.
12. Mark the tension set screws for reference when reassembling.

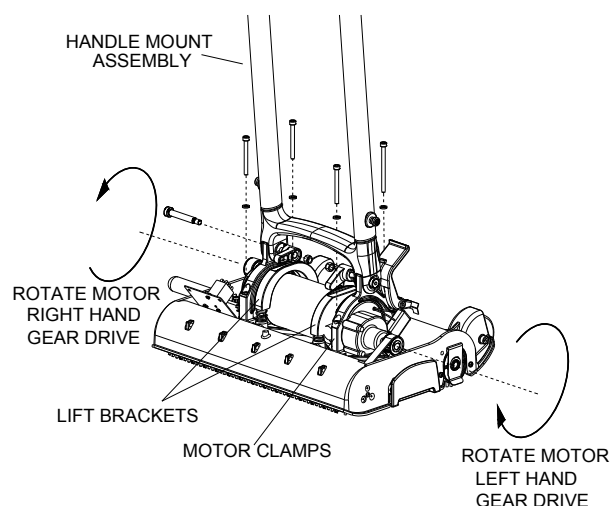


13. Unplug motor wires. Loosen end cap screws, 1 full turn.



14. Back off set screws to release belt tension.
 15. Remove the motor clamps and lift brackets.
 16. Remove belts and belt covers.
 17. Lift motor out of housing. Remove pulleys and adjustment bracket with screw. Set parts aside for re-installation.
 18. Take the new motor and loosen the screws in the long rear drive end cap. This allows the end cap to swivel +/- 20 degrees. Do not remove the end cap screws, only back them off 1 full turn. Install adjustment bracket to the opposite end. Torque to 40 in-lbs (4.5Nm)
 19. Put the motor in the cradle on the frame. Place pulleys onto motor shaft's. Loop the drive belt onto the right motor drive pulley
- NOTE:** Do not let the pulleys extend more than 0.5mm (0.02in) past the motor shaft.
20. Reinstall the motor clamps, only tighten the rear screws. The front screws will be tightened later.
 21. From the bottom, remove the left driver plate (front brush).

22. Loop and align the belt on the motor pulley.
23. Install one screw from the service kit (P/N 9.841-005.0) into the pulley, captured by the belt.
24. Rotate the pulley to install the second captured screw.
25. Use the 2 screws to rotate the assembly to install the third screw.
26. Rotate the pulley and guide the belt onto the pulley. To ensure proper alignment, reverse rotation may be necessary. Use caution when prying against the frame.
27. Gently pry the motor up from the frame and tighten the left set screw. Use the kit's distance tool to center the motor and set the belt tension.
28. Repeat the previous step for the right set screw.
29. Place lift brackets on motor, align over pins.



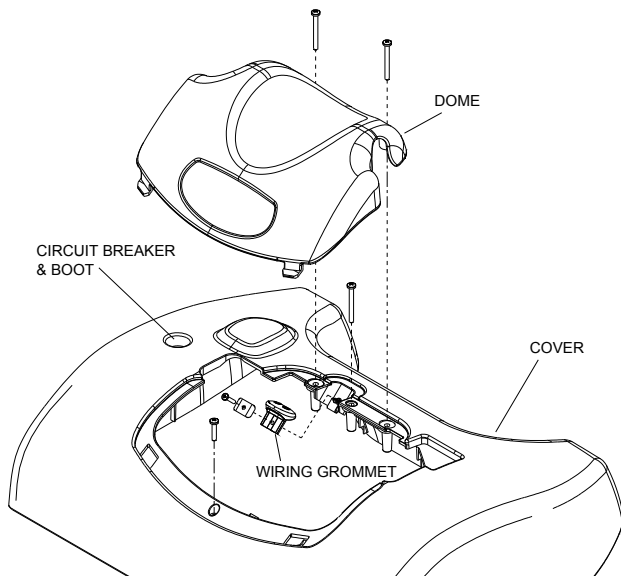
30. Tighten the screw in the long gear drive cap.
31. Tighten all four motor clamp bolts.
32. Check both belts for equal tension. The belts should not sag under their own weight, however, should flex easily when squeezed with fingers. If the tension is clearly unequal, loosen the motor mount bolts and re-tighten. This will equalize the belt tension from one side to the other.
33. Reinstall finger guards.

Maintenance

34. Reinstall lift brackets with top surface lip on inside.
35. Reinsert circuit breaker through hole in cover, reattach cover, circuit breaker boot, and wiring grommet.
36. Verifying lifter cams are on correct side, reattach handle assembly and belt covers.
37. Reattach dome cover.
38. Reattach solution tank and reconnect top hose. (Deluxe Only)
39. If new belts were installed, run the machine unloaded for 10 minutes to seat them properly.

Motor Replacement & Toothed Belt Tensioning

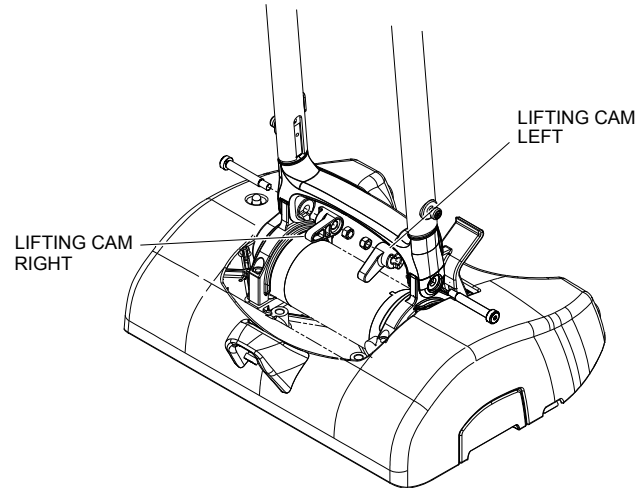
1. Disconnect machine power supply.
2. Detach quick disconnect hose from top of solution tank. (Deluxe Only)
3. Remove elastic straps and solution tank. (Deluxe Only)
4. Remove two dome screws and dome assembly.



5. Remove the circuit breaker boot and push the circuit breaker clear of cover.

6. Mark left and right on the lift cams.
7. Remove the two cam bolts. This will also free the lift cams.

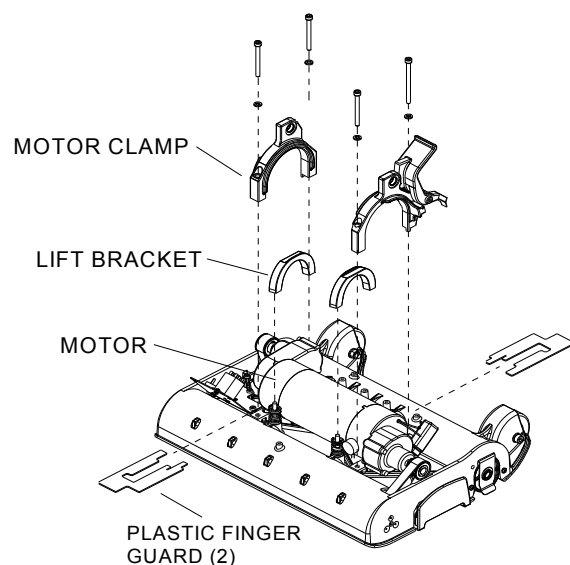
NOTE: There are four plastic bushings that the handle pivots on, leave them on the motor clamps.



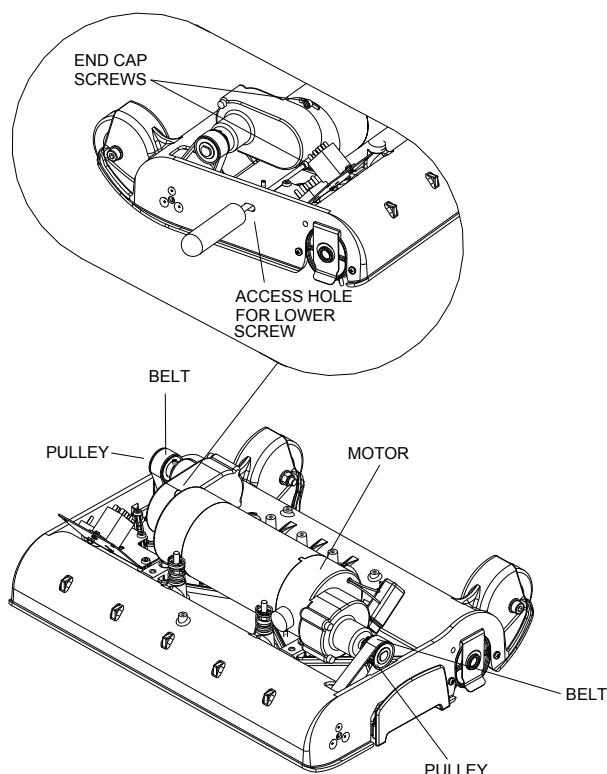
8. Remove the handle assembly.
9. Unscrew the wiring grommet from the main cover, and set retaining bracket and screw aside.
10. Remove the front and back screws and move the main cover to the side.

NOTE: The handle assembly and cover are still attached to the frame by wiring. Be careful not to pinch wiring when reassembling.

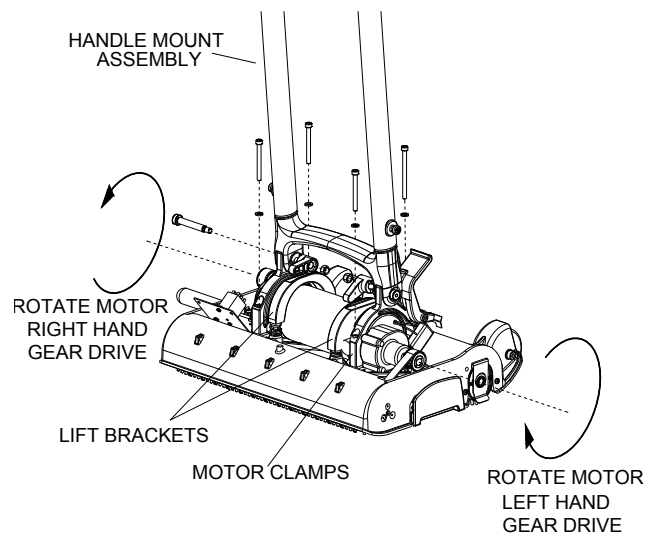
11. Remove the (2) plastic finger guards.
12. Remove the motor clamps and lift brackets.



13. Unplug motor wires. Loosen end cap screws, 1 full turn.



14. Remove belts.
15. Lift motor out of housing, and remove pulleys. Set pulleys aside for re-installation.
16. Take the new motor and loosen the screws in the long rear drive end cap. This allows the end cap to swivel +/- 20 degrees. Do not remove the end cap screws, only back them off 1 full turn.
17. Put the motor in the cradle on the frame. Place pulleys onto motor shaft's. Loop the drive belts onto motor drive pulleys.
18. Place lift brackets on motor, align over pins. Put the motor/clamp mount assembly over the motor and lightly snug the retaining bolts. The motor must be able to turn inside the motor clamps. If clamps are too tight to move the motor by hand, loosen clamp bolts.



19. Turn the motor body inside motor clamps so that the left hand gear drive pivots upwards. Take all of the slack out of the left hand gear drive belt and snug left hand motor clamp bolts.
20. While holding the motor stationary, turn the right hand gear drive downward so that the gear drive housing touches the setscrew in the frame. This set screw was installed on the assembly line and establishes the correct position for the motor.
21. Tighten the screw in the long gear drive cap.
22. Tighten all four motor clamp bolts.
23. Check both belts for equal tension. The belts should not sag under their own weight, however, should flex easily when squeezed with fingers. If the tension is clearly unequal, loosen the motor mount bolts and retighten. This will equalize the belt tension from one side to the other.
24. Reinstall finger guards
25. Reinstall lift brackets with top surface lip on inside.
26. Reinsert circuit breaker through hole in cover, reattach cover, circuit breaker boot, and wiring grommet.
27. Verifying lifter cams are on correct side, reattach handle assembly.
28. Reattach dome cover.
29. Reattach solution tank and reconnect top hose. (Deluxe Only)

Maintenance

Machine Maintenance

The Maintainer requires very little maintenance. Wipe down the machine periodically with a clean cloth. DO NOT spray water directly over the top of machine.

CAUTION:

Deformation of the brush bristles can result in unbalanced running and excessive vibrating or jumping.

ATTENTION:

La déformation des poils de la brosse peut entraîner un fonctionnement déséquilibré et causer des vibrations ou sauts excessifs.

The machine is fitted with a circuit breaker. In the unlikely event of overloading, the circuit breaker will automatically trip. It can be reset after approximately 30 seconds (or when the machine cools down) by pushing the set button located on the cover housing.

Daily Maintenance

1. Clean and inspect brushes.
2. Clean and inspect brush housing, debris tray and machine. Rinse debris tray if needed.
3. Inspect power cord for wear or damage. This cable will lie on wet carpet. To prevent electrical shock replace cords that are frayed or have cracked insulation immediately.
4. Flush the tank, pump and spray jet with hot water (Deluxe only).
5. Clean Strainer.

Periodic Maintenance

1. Check all handles, switches, electrical cables and connections on your machine for damage. Repair or replace immediately.
2. Inspect and/or replace brushes.
Replace brushes when main bristles are worn to the same level as the yellow indicator bristles.

Check spray pattern. Clean or replace jet if the pattern is blocked or uneven

Annual Maintenance

1. Check all bearings for noise and wear.
2. Check motor for operation.
3. Check overall machine for operation.
4. Check belts for wear and change belts every second year.

Machine Troubleshooting

PROBLEM	CAUSE	SOLUTION
No power to machine	Tripped electrical circuit breaker in fuse box of building	Check building circuit breaker
	Faulty power cord	Replace power cord
	Power switch failure or relay failure	Replace power switch or relay
	Tripped circuit breaker	Reset circuit breaker. Higher amp draw may indicate faulty parts. Find parts not moving freely and correct as needed.
	Internal wiring problem	With machine unplugged, check for and correct, any loose wire connections.
	Faulty rectifier	Replace rectifier
Electrical Shock	Equipment not grounding	Follow grounding instructions, pg 2-3
	Receptacle not grounded	Have an electrician inspect the building's wiring
	Internal electrical problem	Check for any loose wire connections, replace any items that are short circuiting
Nuisance tripping of circuit breaker	Faulty circuit breaker	Replace circuit breaker
	Mechanical problem	Test circuit breaker for continuity. Higher amp draw may indicate faulty parts. Find parts not moving freely and repair or replace.
Brush not turning or scrubbing	Faulty brush motor/gear box	Replace brush motor/gear box
	Belt failure	Replace belts
	Worn brush motor brushes	Replace brushes, check commutator
Power to motor but motor does not run	Worn brush motor brushes	Replace brushes, check commutator
Bearing squealing or grinding in brush housing	Worn bearings	Replace worn bearing
Machine will only run if the green (on) switch is continuously held down	Defective red (off) switch. Sends constant "off" signal.	Replace or reconnect wire to red (off) switch
No flow or uneven flow from jet (Deluxe only)	Clogged jet	Clean or replace jet
Weak flow from clean jet (Deluxe only)	Clogged strainer	Clean strainer
Pump runs but no flow from jet (Deluxe only)	Disconnect coupling at solution tank	Attach the quick coupling to the solution tank

Suggested Spare Parts

