

# ScrubMaster 26B & 32B

## INTRODUCTION

## OPERATING & MAINTENANCE INSTRUCTIONS

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### READ THIS BOOK

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:

*Pacific Steamex, Inc.*  
2259 S. Sheridan  
Muskegon, MI 49442-6252

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.

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

**FOR YOUR CONVENIENCE, RECORD THE  
MACHINE MODEL AND SERIAL NUMBER  
HERE:**

**MODEL** \_\_\_\_\_

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

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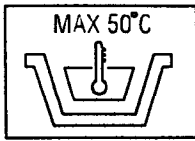
## Operator and Safety Instructions

For the safe operation of this machine, read and understand all instructions before using this machine.

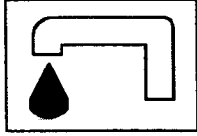
**WARNING: To reduce the risk of fire, electric shock or injury:**

1. You must have training in the operation of the machine before using it. **READ THE INSTRUCTION BOOK.** If you do not understand any instruction, ask your supervisor.
2. Make sure all labels, decals, warnings, cautions and instructions are fastened to the machine.
3. Read the labels carefully on the machine. Do not cover them for any reason and replace them if damaged.
4. Do not operate this machine unless it is completely assembled, inspect the machine carefully before operation.
5. Pay close attention to other people and especially children while operating this machine.
6. Be a careful driver, do not strike shelving or scaffolding, especially where there is a danger of falling objects.
7. 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.
8. In case of fire, use a powder extinguisher. Do not use water.
9. Do not use this machine as a means of transport.
10. Do not use acid solutions that could damage the machine.
11. To prevent floor damage, stop the brushes when the machine is standing still.
12. Adjust your speed to the conditions of the floor.
13. Do not turn the machine on a ramp. Do not stop and leave the machine on a ramp or incline.
14. When the machine is parked, take out the key and set the parking brake.
15. During any maintenance operation disconnect the power supply from the machine.
16. Lead acid batteries generate gases that can cause an explosion. Read the instruction manual supplied with the battery charger. Keep sparks and flames away from batteries. **NO SMOKING.** Charge the batteries only in an area with good ventilation.
17. Do not use a charger if the power cord is damaged.
18. Always wear eye protection and protective clothing when working near batteries. Remove all jewelry. Do not put tools or other metal across the battery terminals, or the tops of the batteries.
19. Check the level of the electrolyte every time you charge the batteries. If the level is low, add distilled water only.
20. Maintenance and repairs must be performed by authorized Service Centers only. Make adjustments according to the specifications given in the service manual for this machine.
21. Keep the electrical parts of the machine dry. Do not wash the machine with direct water jets or high pressure, nor with corrosive material. For storage, keep the machine in a dry building.
22. Water solutions or cleaning materials used with this type of machine can leave wet areas on the floor surface. These areas can cause a dangerous condition for the operator or other persons. Always put **CAUTION** signs near the area you are cleaning.
23. Do not reach under shrouds with fingers, hands, or toes when machine is running.

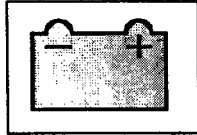
## Symbols Used On The Machine



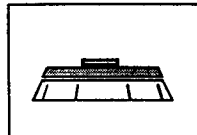
Indicates the maximum recommended temperature of the solution detergent (50°C/122°F).  
Located near the fill hole of the solution tank.



Symbol for the water valve.  
It is used to indicate the signal light of the solenoid valve switch.



Symbol indicating the charge level of the batteries.



Symbol for the brush.  
It indicates the brush motor switch.



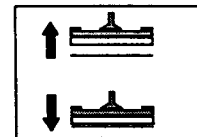
Symbol for the vacuum motor.  
It indicates the vacuum motor switch.



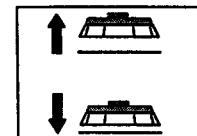
Symbol for the hand brake.  
It indicates the signal light of the hand brake.



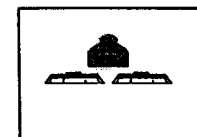
Symbol for the parking brake.  
It indicates the lever of the parking brake.



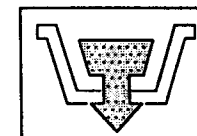
Symbol indicating the raised or lowered position of the squeegee.  
It is used to indicate the squeegee lever position.



Symbol indicating the raised or lowered position of the brush base.  
It is used to indicate the brush lever position.



Symbol denoting the brush pressure.

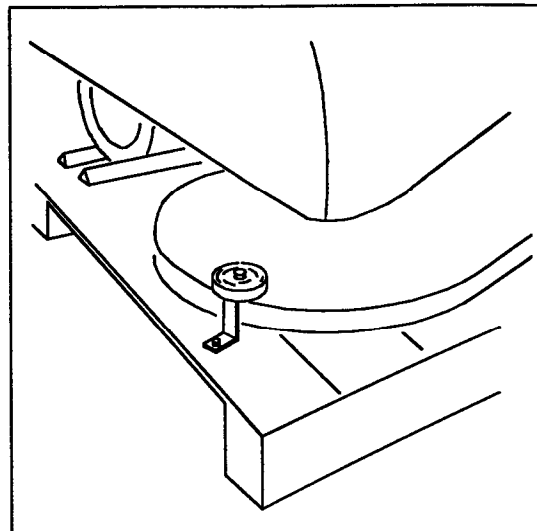


Indicates the drain hose of the recovery tank.

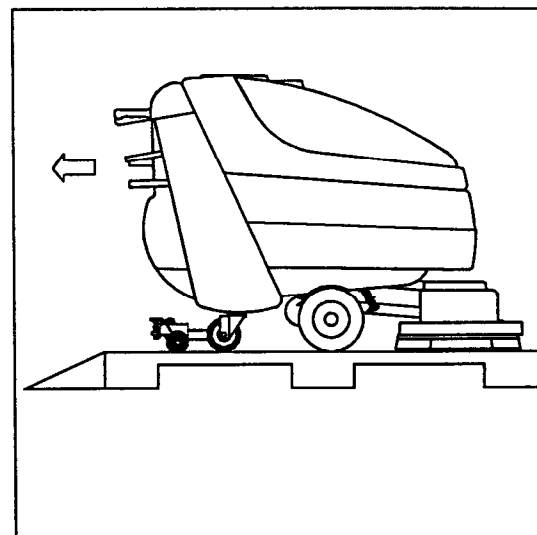
# MACHINE PREPARATION

## 1. UNPACKING THE MACHINE

1. Use a fork truck or a pulley block with a sling to move the machine when packaged.
2. Remove the outer package.



3. The machine is fixed on the pallet with wooden wedges. These wedges block the wheels.
4. Take the wedges off.
5. Using a ramp, pull the machine down from the pallet in reverse motion. Avoid violent blows to the base.

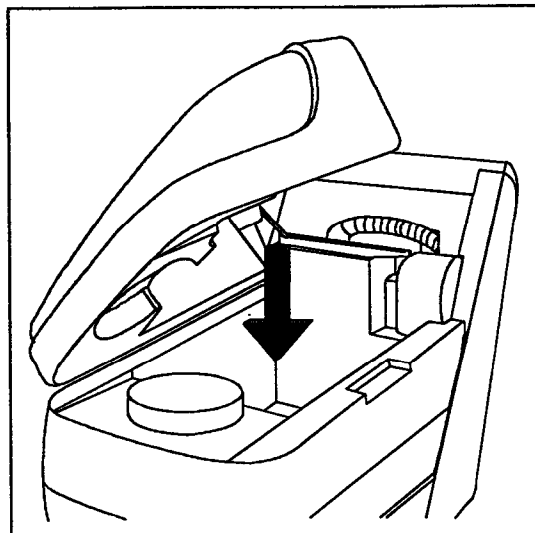


## MACHINE PREPARATION

### 2. BATTERY INSTALLATION

The batteries fit in the compartment under the solution tank.

For battery maintenance and charging, follow the instructions provided by the battery supplier.

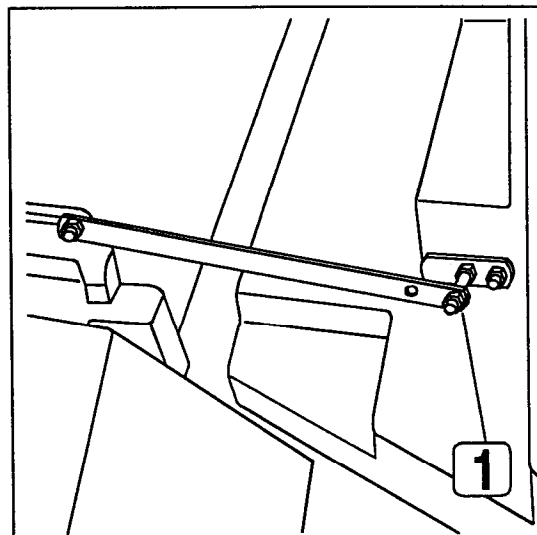


#### Installation Instructions:

1. Make sure that the solution tank is completely empty.
2. Lift the solution tank.
3. Move the coupler prop to the outermost hole (1) to hold the tank in a vertical position.
4. After installing the batteries reattach the prop into its original position.

**Note:** To avoid damaging the solution tank and/or the recovery tank, keep the solution tank lifted in the vertical position when the prop is being released from its support.

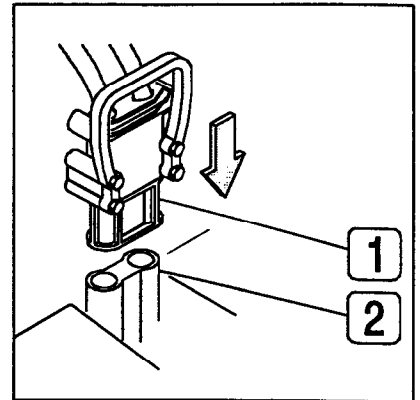
Battery installation diagrams are shipped with the machine, located in the battery compartment.



# MACHINE PREPARATION

## 3. CONNECTING THE BATTERY CONNECTOR

The battery connector (2) is located under the solution tank; connect it to the connector of the machine (1).

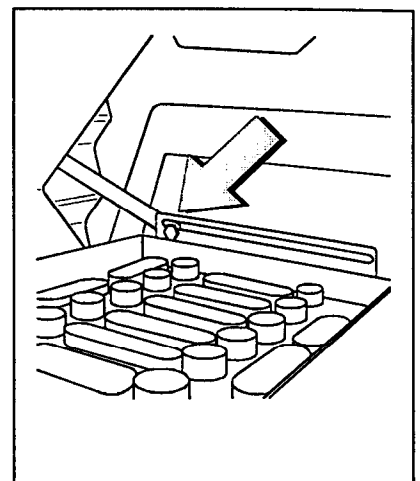


## 4. CHARGING THE BATTERIES

When recharging the batteries, keep the solution tank open and blocked with its prop (the solution tank must be empty). Check the electrolyte level at least every 20 times the batteries are charged. Add only distilled water if the level is low.

Turn the key to the OFF position. Connect the DC connector on the charger to the DC battery connector. Connect the AC charger plug to a receptacle that has the correct voltage and frequency for your charger. Make sure the receptacle is connected to the electrical ground.

**NEVER ALLOW THE BATTERIES TO RUN COMPLETELY DOWN,** recharge them within a few minutes after the battery indicator starts blinking. Also never leave the batteries completely discharged, even if the machine is not being used.

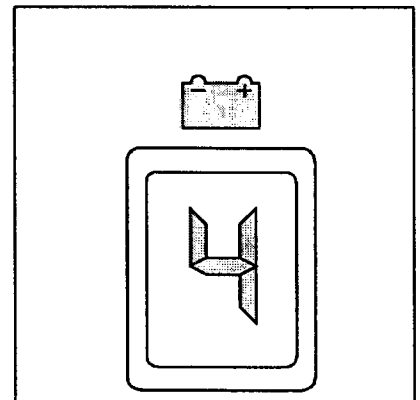


## 5. DIGITAL INDICATOR FOR THE CHARGE OF THE BATTERIES

The battery indicator is digital with 4 fixed positions and a blinking one. The numbers, which appear on the display, show the approximate charge level.

4 = maximum charge, 3 =  $\frac{3}{4}$  charge, 2 =  $\frac{1}{2}$  charge, 1 =  $\frac{1}{4}$  charge, 0 = (blinking) discharged batteries

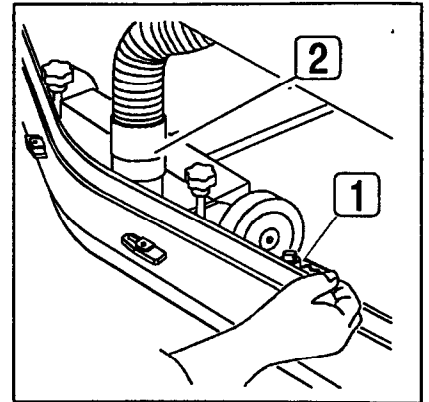
**Attention:** The brush motor automatically switches off a few seconds after the battery indicator light begins to blink. By restarting the machine, you will be allowed to turn on the vacuum motor and finish drying any wet areas.



# MACHINE PREPARATION

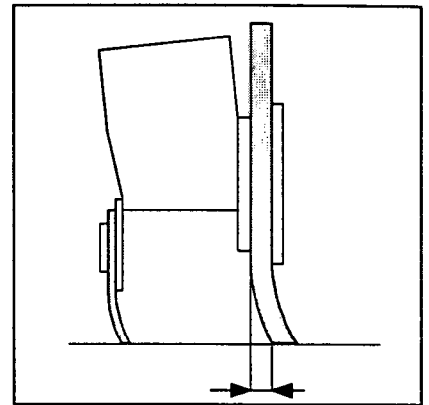
## 6. SQUEEGEE ASSEMBLY

The squeegee is assembled as shown in the figure. The squeegee lever should be in its up position. Insert the holding pins (1) into the squeegee stud bolts to secure the squeegee in place. Then fit the vacuum hose into its coupling (2).



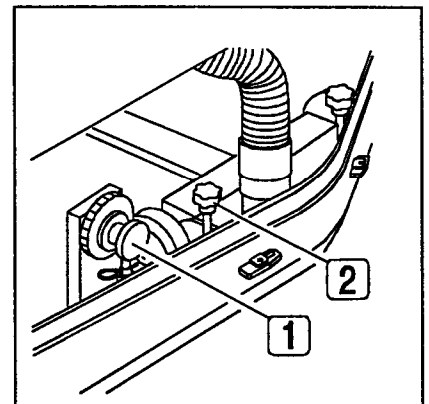
## 7. SQUEEGEE ADJUSTMENT

During operation, the rear squeegee blade is most efficient when tilted back about 3/16 inch along its whole length. To increase the blade bending in the central part, tilt the squeegee body backwards by turning the adjuster (1 on next diagram) counter-clockwise.



The height from the floor to the squeegee should be adjusted based on the blades wear. Rotate the knob (2) clockwise to lift the squeegee and counter-clockwise to lower it.

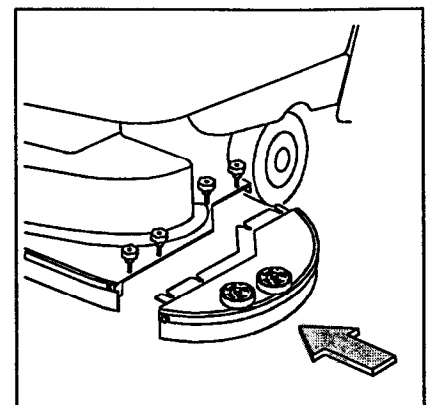
**Note:** The right and left knobs must be adjusted the same amount; the squeegee should be positioned parallel to the floor.



## 8. BRUSH COVER ASSEMBLY

The left side of the brush base cover is packed separately from the machine. Disconnect the battery connector before assembling. Then, proceed as follows:

1. Loosen the knobs on the brushes base.
2. Insert the cover as shown in the figure.
3. Tighten the knobs.



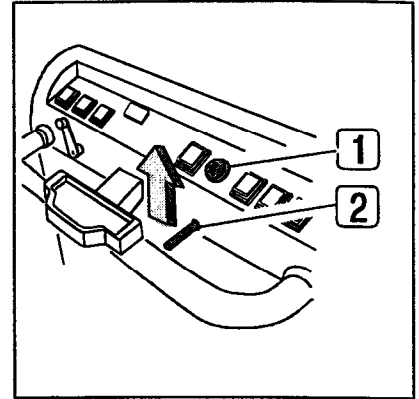


# MACHINE PREPARATION

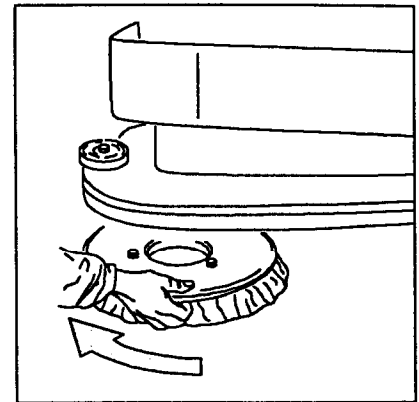
## 9. BRUSH ASSEMBLY

1. This machine has automatic brush control (with an actuator). Turn the key ON (1) and push the lever button (2) up until the brush base signal lamp goes off. Then turn the key OFF and remove it from the instrument panel (1). Disconnect the battery connector from the machine.

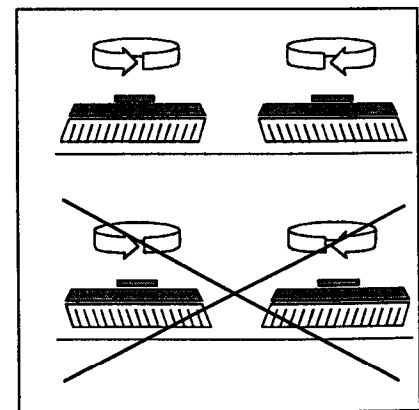
**NOTE:** Assembling the brushes with connected current can cause serious damage to the hands.



2. With the brush base in the lifted position, insert the brushes into the seat of the plate under the base until the three buttons fit into the holes of the plate. Turn the brush so that the buttons are pushed toward their retaining springs until the brush is clamped in place. The figure shows the direction of rotation for the coupling of the right brush. The left brush has to be rotated inversely.



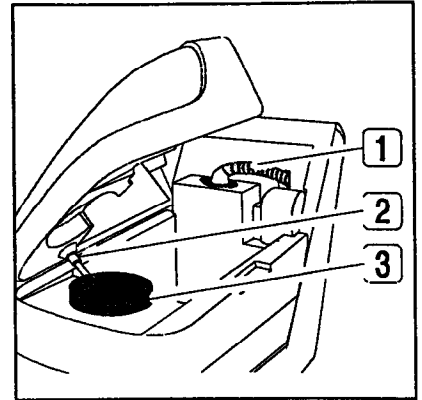
3. It is recommended to invert the positions of the right and left brushes daily. However, if the brushes are not new and show deformed bristles, it is better to reassemble them in the same position (the right to the right side and the left to the left side). Because the different inclination of the bristles may cause an overload to the brush motor and excessive vibrations. Refer to the Daily Maintenance section for disassembly instructions.



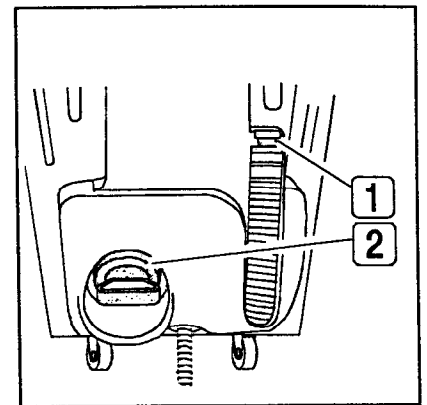
## MACHINE PREPARATION

### 10. TANKS

1. Check that the solution tank is empty, then lift it until the blocking prop is coupled. Confirm the suction hose properly connected (1), that the solution hose is firmly fixed to the proper connector (2) and that the upper plug is closed (3).
2. Release the prop and lower the solution tank.



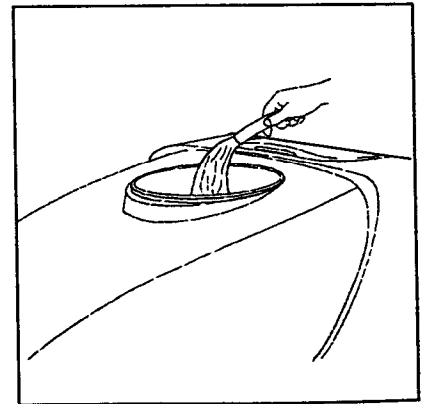
3. Check that the plug on the drain hose (1) and the plug (2) on the recovery tank are closed.



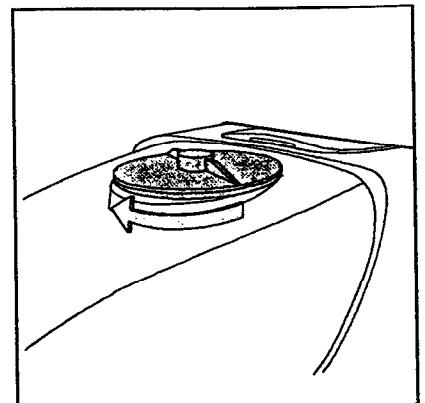
### 11. SOLUTION WATER

1. Fill the solution tank with clean water at a temperature not more than 50°C (122°F). Add the proper concentration of liquid detergent by following the manufacturer instructions. Excess foam in the recovery tank can damage the vacuum motor, so use only the minimum amount of detergent necessary.

**Note:** Always use low foaming detergent. Adding antifoam liquid into the recovery tank before cleaning will also help prevent foaming. **NEVER USE PURE ACID.**

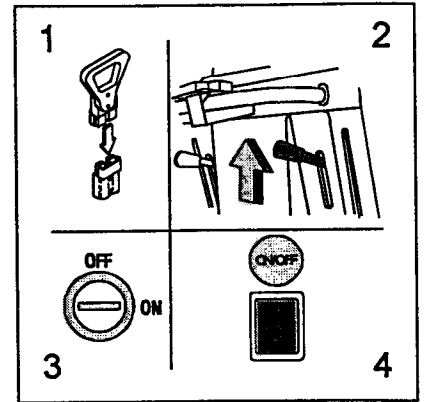


2. Retighten the plug on the solution tank.

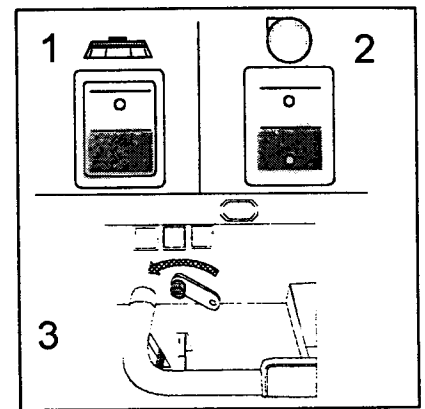


# OPERATION

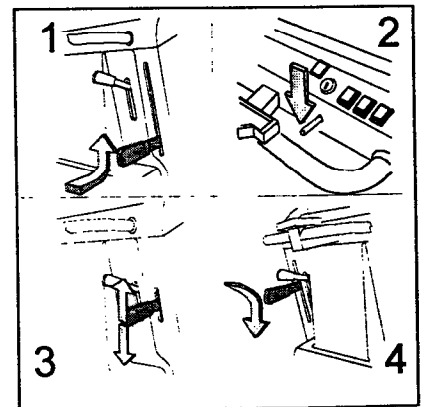
1. Carry out the instructions for the preparation of the machine.
2. Connect the machine connector to the battery connector (1).
3. Release the parking brake (2).
4. Turn the key clockwise to ON (3). The general green signal lamp will come on (4) and the battery indicators digital display will show the charge level of the batteries.



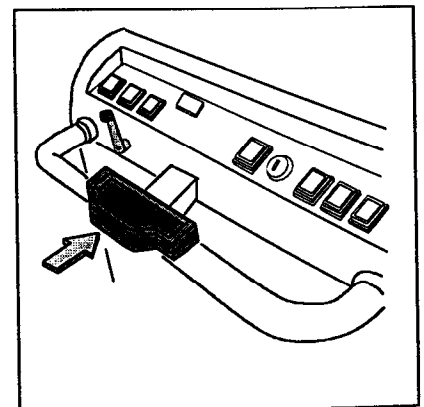
5. Press the brush motor switch (1).
6. Press the vacuum motor switch (2).
7. Adjust the amount of solution through the water valve's lever (3).



8. Lower the brush lever (2) and choose the suitable pressure through its control handle (3).
9. Lower the squeegee using the lever (4).



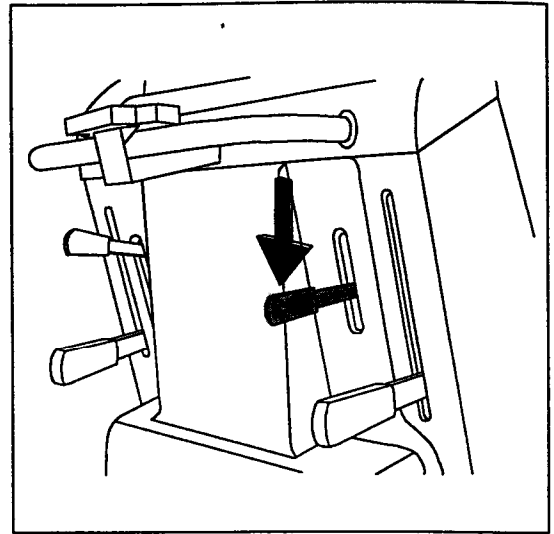
10. The machine will move by pushing the lever on the handle bar forward. During the first few yards of operation, check that the brush pressure is suitable (see "BRUSH PRESSURE"), that the quantity of the solution is sufficient and that the squeegee dries the floor surface.



## OPERATION

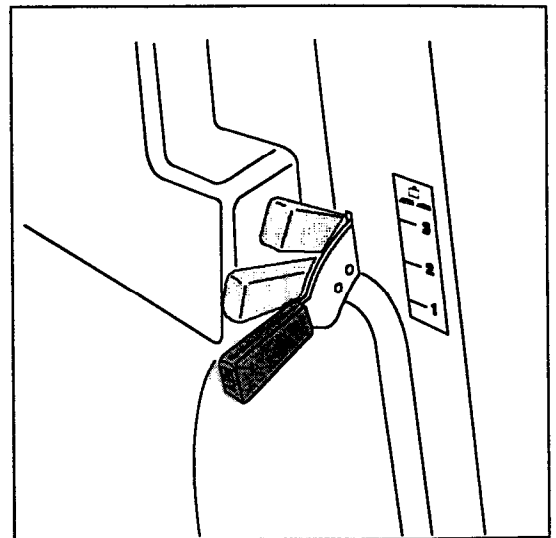
**Attention:** If problems occur during operation, immediately lower the emergency brake lever located on the rear right side of the machine. This action will immediately stop the machine's traction/movement.

To restart the machine, press the release trigger (located on the lever) and lift the lever of the emergency brake. Then push the lever on the handle bar forward to resume traction.



### BRUSH PRESSURE

The lever to adjust the brush pressure allows four different levels. The brush pressure is greatest when the lever is in its highest position.

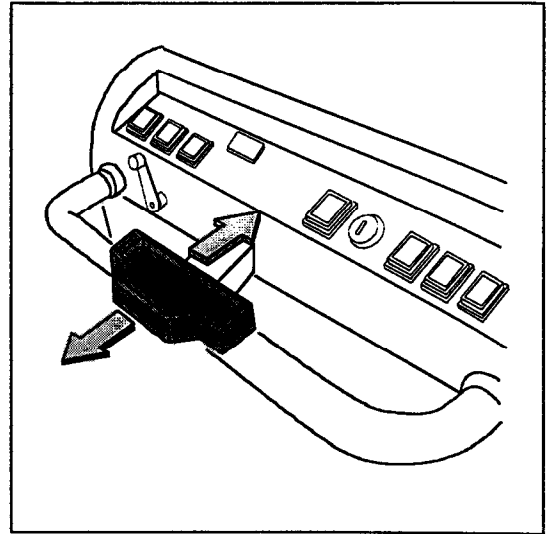


# OPERATION

## TRACTION

These machines are equipped with electronically controlled traction, and continuous speed variation.

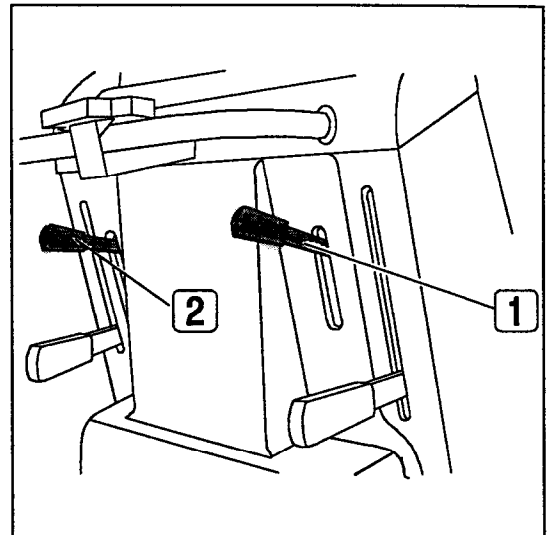
To move the machine, turn the key ON, wait for three seconds and then push the lever placed on the handle bar forward for forward movement or backward to move in reverse. The speed in reverse is slower for safety reasons.



## BRAKES

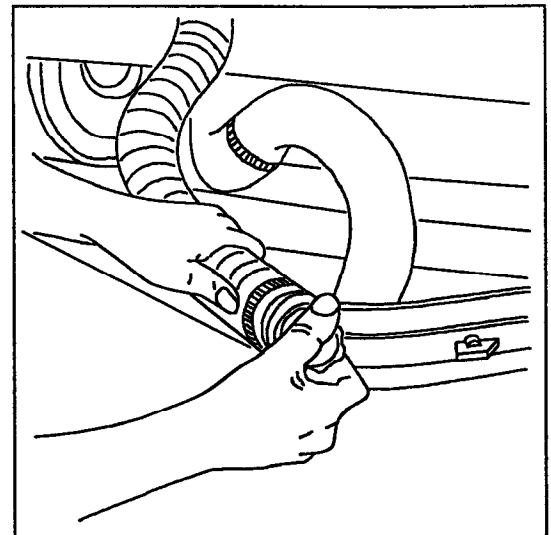
The machine is equipped with two braking systems: a working brake controlled by the lever on the rear left side (2) and a parking and emergency brake controlled by the lever placed on the rear right side (1). Lower the levers to operate the brakes. The working brake is provided as a means to slow the machine down.

The lever of the emergency brake is equipped with a locking device. To release this brake, press the trigger located on the lever (1) itself.



## DEVICE TOO FULL

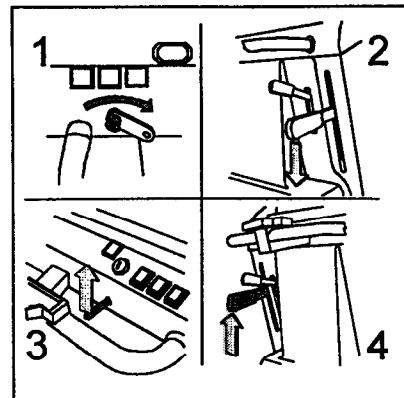
The machine is equipped with a float that stops the vacuum when the recovery tank is full. When this occurs, empty the recovery tank by removing the plug of the drain hose.



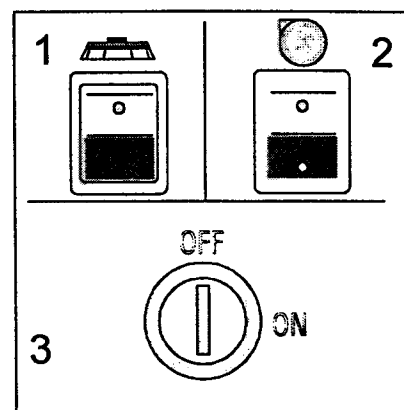
## UPON COMPLETION OF THE WORK

After finishing your work and before any type of maintenance is done, it is necessary to do the following:

1. Close the water valve (1).
2. Lift the brush base with the automatic control lever (3) until the brush signal light is off.
3. Lift the squeegee (4). If the squeegee is not raised when the machine is not operating, the squeegee blades may be damaged.

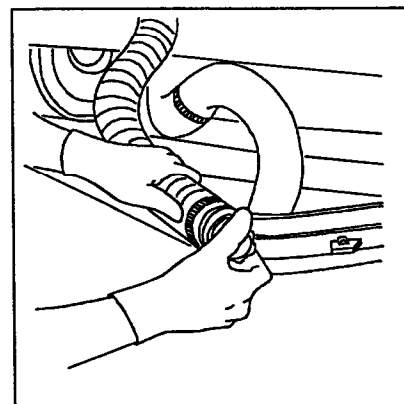


4. Switch off the brush motor switch (1).
5. Switch off the vacuum motor switch (2).
6. Take the machine to the location where the recovery tank is to be emptied.
7. Turn the key OFF (3)

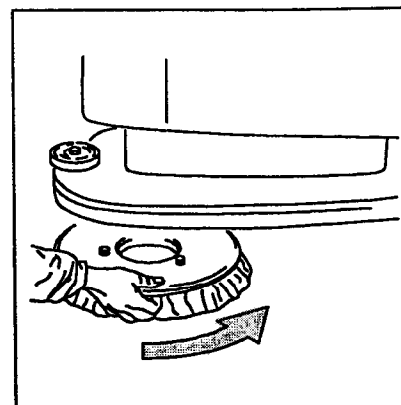


8. Remove the drain hose from its clip, unscrew the drain plug and empty the recovery tank.

**Note:** Wear gloves as protection from contact with dangerous solutions.



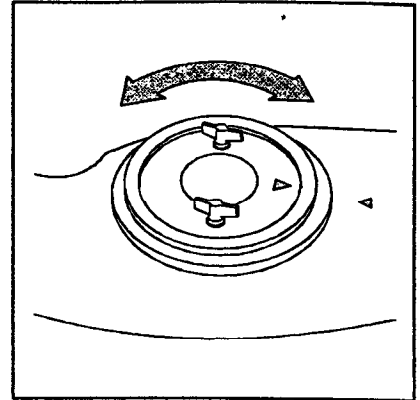
9. Take off the brushes and clean them with water (for brush disassembly refer to the section "DISASSEMBLY OF THE ROTATING BRUSHES").
10. Clean the squeegee with water.



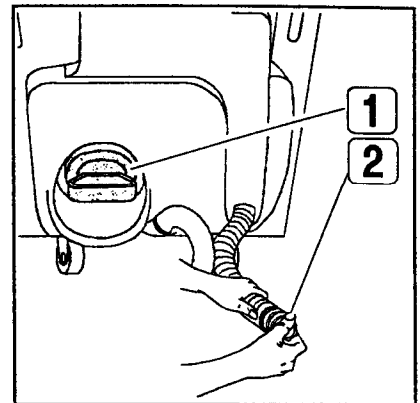
## DAILY MAINTENANCE

### CLEANING THE RECOVERY TANK

1. Empty the recovery tank.
2. Empty the solution tank by removing the filter located beneath the machine (see "Cleaning the Solution Tank Filter"). Then lift the solution tank and lock it into the vertical position.
3. Unscrew the wing nuts of the recovery tank cover, rotate it 90° and take it off.

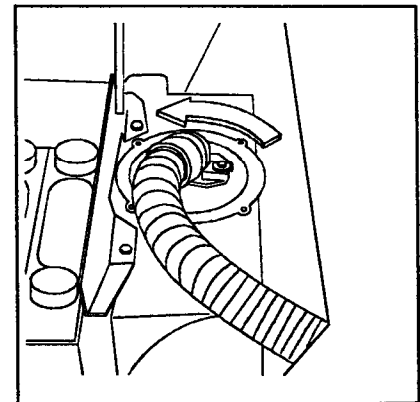


4. Take the rear plug (1) off the recovery tank.
5. Remove the drain hose from its clip and unscrew the plug (2).
6. Clean the inside of the recovery tank with water.
7. Reassemble everything by repeating the above operations in reverse.

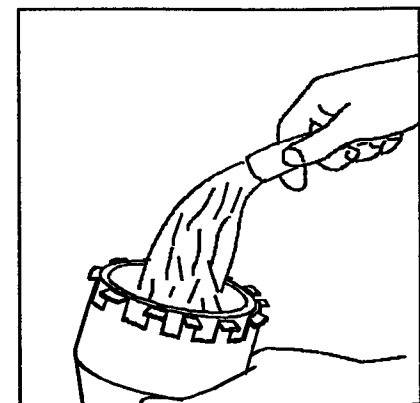


### CLEANING THE RECOVERY TANK FILTER

1. Empty the solution tank, then lift and lock it in the vertical position.
  2. Unscrew the filter cover by rotating it counter-clockwise.
- NOTE:** Do not let water into the hose connected to the filter cover.



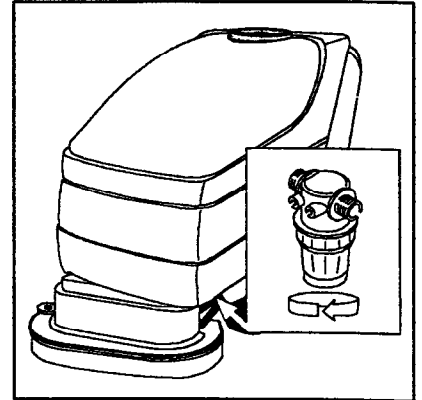
3. Remove the filter body from its housing and rinse it thoroughly.
4. Reassemble by repeating the above operations in reverse.



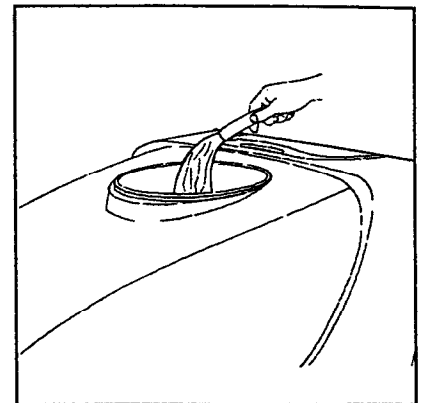
## DAILY MAINTENANCE

### CLEANING THE SOLUTION TANK FILTER

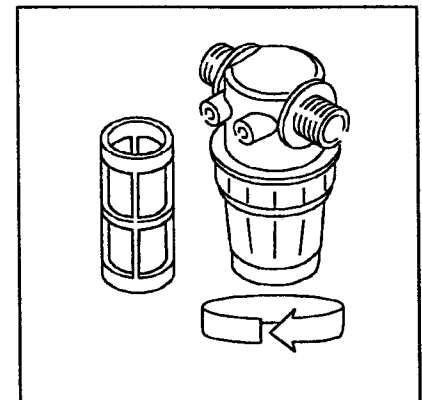
1. Open the water valve.
2. Empty the solution tank by unscrewing the filter located under the front side of the machine- left side for the 26B, right side for 32B.



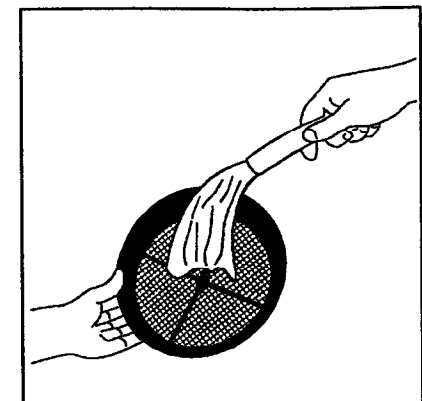
3. Remove the cover on the water inlet of the solution tank.
4. Clean the inside of the solution tank with water (the water temperature should not exceed 50°C/122°F).



6. Remove the cartridge from the filter and clean it with water.



7. Clean the filter located in the water inlet of the solution tank. Lift it out and clean with water.
8. Reassemble by repeating the above operations in reverse.





## DAILY MAINTENANCE

### CLEANING THE SQUEEGEE

To have the best drying results, keep the squeegee clean. To clean the squeegee:

1. Lift the squeegee with its lever.
2. Clean the inside of the squeegee thoroughly with water.
3. Clean the squeegee blades with water.
4. Check the squeegee blades for wear and if necessary, turn them upside-down or change them.

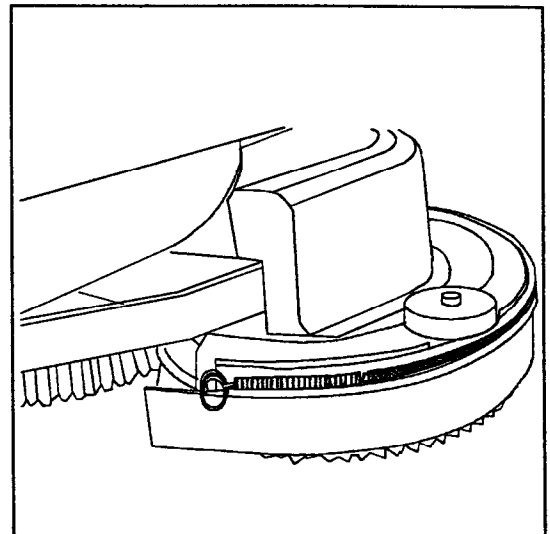
**Note:** This maintenance assures a longer life for the vacuum motor.

### DISASSEMBLY OF THE ROTATING BRUSHES

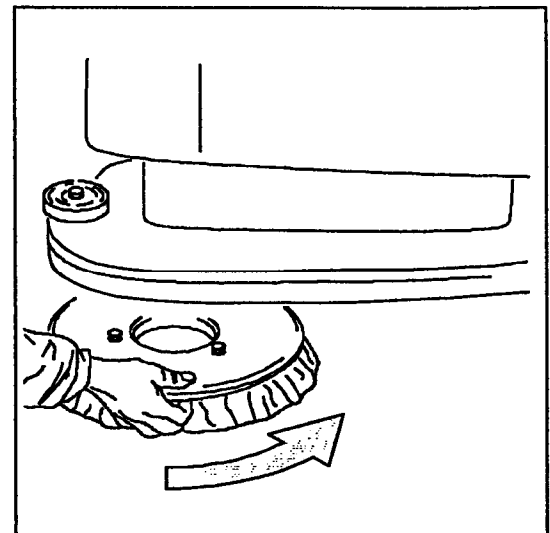
1. Lift the brushes base with its lever.
2. Turn the key to the OFF position and remove it from the switch.

**NOTE:** Assembling the brushes with connected current can cause serious damage to the hands.

3. Unhook the splash guards on the brush base (for the disassembly of the splash guards see "REPLACEMENT OF SPLASH GUARDS").



4. Rotate each brush until it comes off from the brush plate seat. The figure shows the rotating direction for the disassembly of the right brush, the left one has to be rotated inversely.

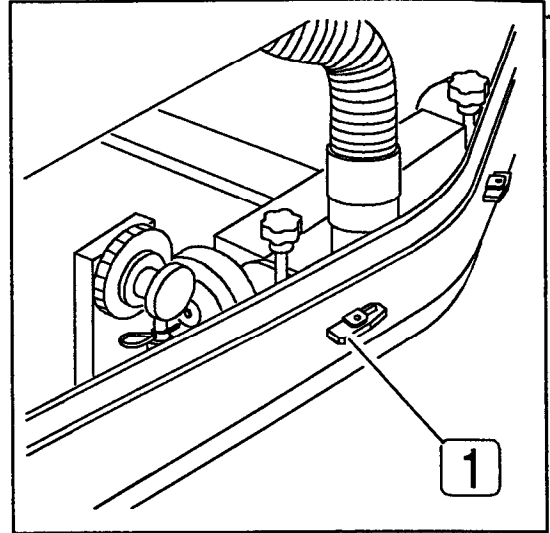


## WEEKLY MAINTENANCE

### REPLACEMENT OF THE REAR SQUEEGEE BLADE

If the rear squeegee blade is worn and does not dry the floor well, reverse the cleaning edge or replace it as follows:

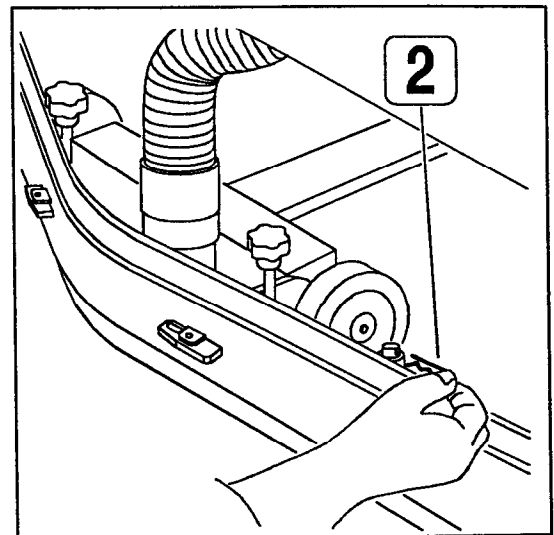
1. Push the fixing plates (1) by tapping with a hammer, then rotate them.
2. Slip off the retainer and the squeegee blade.
3. Turn the blade upside-down and if necessary, replace it.
4. Reassemble everything repeating the above operations in reverse.
5. Adjust the squeegee height depending on the blades wear (see under "SQUEEGEE ADJUSTMENT").



### REPLACEMENT OF THE FRONT SQUEEGEE BLADE

If the front squeegee blade is worn, good vacuum is not achieved and the machine will not dry the floor well. Replace as follows:

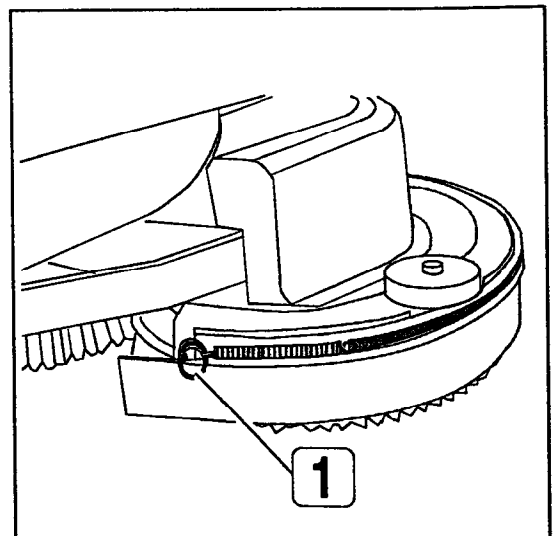
1. Uncouple the squeegee from the machine by slipping off the holding pins (2).
2. Loosen the screws that block the front blade.
3. Slip off the retainer.
4. Slip off the blade and replace it
5. Reassemble everything repeating the above operations in reverse.



### REPLACEMENT OF THE SPLASH GUARD

Check the condition of the splash guard on the brush base. If it is necessary to replace it, proceed as follows:

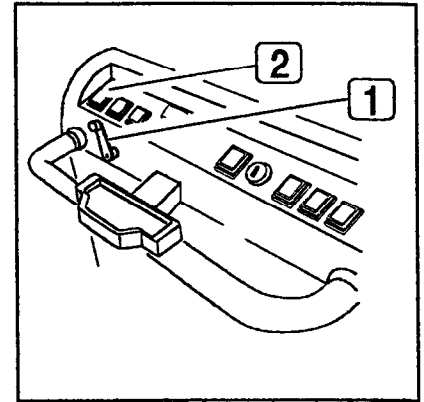
1. Unhook the rings of the two metallic blades (1)
2. Take the splash guard off and replace it.
3. Reassemble.



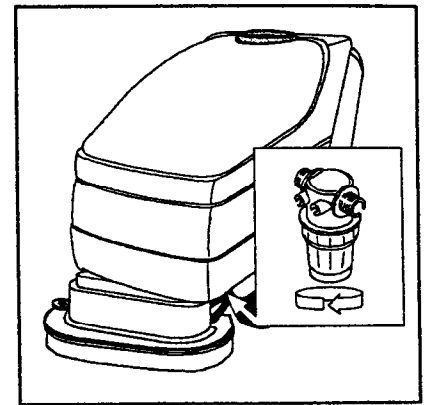
## TROUBLE SHOOTING GUIDE

### INSUFFICIENT WATER ONTO THE BRUSHES

1. Make sure the water valve is open (1). The signal lamp (2) will be on when the valve is open.
2. Make sure that there is water in the solution tank.



3. Clean the solution filter.



### THE MACHINE DOES NOT CLEAN SATISFACTORILY

1. Check the condition of the brushes and replace them if necessary. The brushes should be changed when the bristles reach around  $5/8$ ". Working with worn brushes may cause floor damage.
2. Check that the brush pressure is sufficient (refer to "BRUSH PRESSURE").
3. Try a different kind of brush than the standard one provided with the machine.

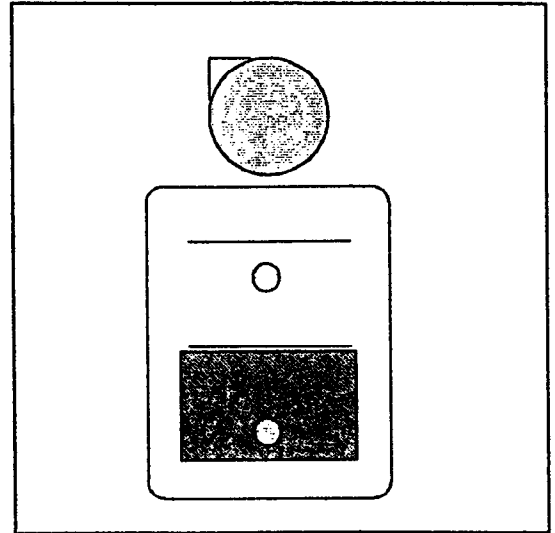
### THE SQUEEGEE DOES NOT DRY THE FLOOR WELL

1. Check that the squeegee is clean, clean if necessary (see under "DAILY MAINTENANCE").
2. Check the squeegee adjustments (see under "MACHINE PREPARATION").
3. Replace the blades if worn (see under "WEEKLY MAINTENANCE").

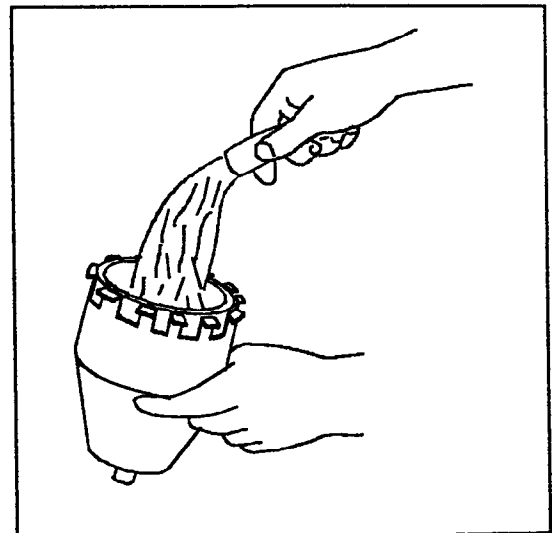
## TROUBLE SHOOTING GUIDE

### THE VACUUM MOTOR DOES NOT FUNCTION

1. Confirm the signal light for the vacuum motor switch is on.
2. If the recovery tank is full, empty it.



3. Check the float in the recovery tank filter (refer to “CLEANING THE RECOVERY TANK FILTER”).



### EXCESSIVE FOAM PRODUCTION

Check that a low foam detergent has been used. If required, add a small quantity of antifoam liquid into the recovery tank.

Note that when a floor is not very dirty, more foam will be generated. In these cases, dilute the detergent more.



## WARRANTY POLICY

### PACIFIC STEAMEX INC. LIMITED WARRANTY

The **Pacific Steamex Inc.** ScrubMaster has been manufactured, tested and inspected in accordance with specific engineering requirements. This machine is **WARRANTED** to be free from defects in workmanship and materials for periods as follows from the date of purchase.

Ten (10) Years – Polyethylene Components  
Five (5) Years – Main Frame  
Two (2) Years – Brush Drive Motors  
One (1) Year – All other components unless excluded below

This warranty extends to the original user/purchaser and only when used, operated and maintained in accordance with **Pacific Steamex Inc.** Operating and Maintenance instructions.

This warranty does not apply to certain wear parts and accessories of the machine such as electrical cords, carbon motor brushes, floor brushes, belts, hoses, tools, squeegee blades, etc., nor does it apply to damage or failure caused by improper use, abuse or neglect. Warranty credit or replacement of return parts including motors, pumps, etc., is subject to incoming inspection of those items.

To secure repair under this warranty, the following procedure should be taken:

1. The inoperative machine or warranted parts must be delivered to the authorized dealer with shipping and delivery charges prepaid. If unable to locate the Dealer, you may contact **Pacific Steamex Inc.** at the address listed herein for the location of the nearest **Pacific Steamex Inc.** repair center or agent or for other instructions pertaining to your warranty difficulty.
2. Upon compliance with the above warranty procedure, all warranted repairs will be completed at no additional charge or cost to the user.
3. Only **Pacific Steamex Inc.** or its authorized dealers and agents may make no charge warranty repairs on this product. All others do so at their own risk.

This warranty limits **Pacific Steamex Inc.** liability to the repair of the product and/or warranted parts replacement and does not include incidental or consequential damages arising from the use of a **Pacific Steamex Inc.** machine whether defective or not.

#### **BATTERY WARRANTY**

In addition to the terms above, any original equipment **Pacific Steamex Battery** which becomes unserviceable under normal use within a period of ninety (90) days from date of sale to the original user will be repaired or replaced with one of equal specification at our option, F.O.B. any authorized **Pacific Steamex Sales or Service Branch**, with no charge to user, except transportation costs. After the expiration of the above ninety (90) day period, any battery which fails under normal use will be adjusted to the original user with a new battery of equal specification on a twelve (12) month pro rata basis from the date of purchase. Adjustment will be determined using the then current list price, plus transportation costs. Warranty is rendered null and void if battery is not kept filled to the proper level with **DISTILLED WATER**.

This warranty is in lieu of all other expressed or implied warranties and is extended to the original purchaser/user.

**PACIFIC STEAMEX, INC.**  
2259 S. SHERIDAN  
MUSKEGON, MICHIGAN 49442-6252  
616-773-1330  
FAX 1-616-773-1642