

User Manual

Admiral 26 SPORT

Preface

Dear customer, Thank you for purchasing the PowerBoss® Admiral 26 SPORT. The outstanding operational character-istics of the Admiral 26 SPORT should justify the confidence you demonstrated in making this purchase.

The Admiral 26 SPORT is a commercial grade rider scrubber machine. It is bat-tery operated and is intended by PowerBoss to be used in accordance with this manual, the labels on the machine itself, as well as applicable federal, state, and local safety and environmen-tal statutes, regulations, and ordinanc-es (collectively the "governmental regulations"), applicable commercial standards, and common sense. . The user's own safety, as well as the safety of others, depends to a great extent on how the Admiral 26 SPORT is op-erated, handled, and maintained. Therefore, as a starting point, this manual must be read and understood thoroughly prior to the machine being switched on for the first time. When operating or maintaining the Admiral 26 SPORT, THINK SAFETY FIRST!

This manual provides vital information concerning the safe operation, use. maintenance, and service of the Admiral 26 SPORT. The various safety alert symbols, signal words, and safety mes-sages contained herein are intended to be read in conjunction with each other, as well as with Admiral 26 SPORT labels, instruction plates, and applicable governmental regulations. To the extent that any governmental regulations con-flict with the provisions of this instruc-tion manual, such governmental regulations would govern.

Your authorized PowerBoss dealer would be happy to answer any questions you may have concerning the operation or maintenance of the Admiral 26 SPORT or information contained in this manual.

If repair or maintenance work is performed on the Admiral 26 SPORT. PowerBoss recommends that only genuine replacement parts be used and that such work be performed by qualified in-dividuals.

Proper use

The PowerBoss SPORT is a vacuum scrubbing machine. Its intended scope of application is for wet cleaning of level. smooth, hard-surfaced floors in accordance with the provisions of this instruction manual, applicable governmental regulations, manufacturer specifications, and machine labels (collectively, "proper use"). Using the PowerBoss 26 SPORT beyond its proper use will be deemed improper use by PowerBoss. PowerBoss disclaims any liability for any personal injury, property, or other damages of any nature whatsoever, whether special, indirect, consequential, or compensatory, directly or indirectly resulting from the improper use of the Admiral 26 SPORT, or uses beyond or inconsistent with the Admiral 26 SPORT's intended scope of application. This disclaimer of liability also extends to modifications to the Admiral 26 SPORT made without PowerBoss's prior written consent. The Admiral 26 SPORT should only be operated. handled, and maintained by persons who are familiar with the machine and have been instructed of the potential hazards associated with such operation, handling and maintenance.

Disclaimer:

PowerBoss disclaims liability for any personal injury, property, or other damages of any nature whatsoever, whether special, indirect, consequential, or compensatory, directly or indirectly resulting from the publication, use of, application, or reliance on this document or, except as expressly set forth in the sales contract for the machine, the operation or maintenance of the E Ride 26 SPORT.

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In publishing and making this manual available, PowerBoss is not undertaking to render professional or other services for or on behalf of any person or entity, nor is PowerBoss undertaking to perform any duty owed by any person or entity to someone else. Anyone using this manual should rely on his or her own independent judgment or, as appropriate, seek the advice of a competent professional in determining the exercise of reasonable care in any given circumstance.

Valid as of: April 2016

PowerBoss Inc. 14N845 U.S. ROUTE 20 PINGREE GROVE, IL. 60140 U.S.A.

Introduction

Notes on warranty

The terms of the sales contract apply in regard to any product warranties. PowerBoss expressly disclaims all other warranties, either express or implied, of any kind. It should be noted, however, that failure to maintain and service your E Ride 26 SPORT in accordance with its proper use may void the warranty. In this regard, any maintenance work must be performed by an authorized PowerBoss service representative and confirmed in the "Maintenance Certificate" - the warranty document. By way of example, the following items are excluded from the E Ride 26 SPORT warranty: fuses; normal wear and tear; improper machine handling: damages caused by overloads; unauthorized machine modifications; non-compliance with maintenance instructions or specifications; or improperly fitting parts or accessories.

Acceptance of the machine

Upon arrival, check machine for possible damages in transit. Follow unpacking instructions on shipping pallet. Each unit has been tested and throughly inspected before shipment. Any damage is the responsibility of the delivery carrier who should be notified immediately.

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1 Safety Information

1.1 Safety and Warning Symbols

All paragraphs in this manual referring to your personal safety, the safety of your machine and the environment protection are attributed one of the following warning symbols:

Safety Symbols		Description	
WARNING	<u> </u>	Indicates a hazardous situation which could result in death or serious injury.	
NOTICE	NOTICE	Indicates a potentially hazardous situation which may result in equipment or property damage.	

Additional Symbols		Description	
Ecological hazard	*	Indicates the use of substances representing an inherent danger to the health of the environment	
Note	R	Indicates important or additional information.	

1.2 General Provisions

- Please read this user manual and instruction plates / labels on the Admiral
 26 SPORT unit in their entirety before operation. These materials contain valuable information regarding the safe operation of the machine. PowerBoss recommends that opera-tors receive training by qualified PowerBoss technicians before start-up, operation, use, servicing, or repair of the machine.
- This user manual is not intended as a substitute for applicable government regulations; nor does it include or address same. Users, and employers of users, should familiarize themselves with applicable government regulations that may impact use and operation of the Admiral 26 SPORT, including, but not limited to, regulations promulgated pursuant to the federal Occupational Safety and Health Act.
- The precautions and important safety information contained in this user manual must be made available current users and downstream users of the machine. When re-selling or renting out Admiral 26 SPORT ma-

- chines, it is recommended that copies of this user manual be provided and that any illegible machine labels or instruction plates be replaced.
- The Admiral 26 SPORT is designed for indoor use only. Store machine indoors. Keep the electrical components of the machine dry.
- Make sure that all warning labels and instruction plate on the machine are maintained, legible, and properly attached.

1.3 Operational Precautions

The Admiral 26 SPORT is a batteryoperated hard surface floor cleaning system that utilizes a water / cleaning solution that is applied to the floor and then vacuumed back into the machine by way of an integrated squeegee for later disposal.



Liquid residue remaining on the floor during operation can represent a slip and fall hazard to the operator and others in the vicinity of machine use. When working with the machine, operators should use firm and skid-proof shoes. Areas where floor cleaning will occur should be appropriately marked with suitable slip and fall hazard signs / markers / pop-up cones, etc!

- It is indispensable for the operator or user of the machine to become thoroughly acquainted with attached implements and controls - as well as their various functions - before operation commences.
- Before commencing operation of the machine, check for obvious signs of loose parts, potential conditions in-

dicative of malfunctions, etc. Any signs of potential problems must be remedied before actual operation commences.



The electrical system in the machine is not designed to suppress sparks. Accordingly, use of the Admiral 26 SPORT where fire or explosion hazards may exist due to flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers or flyings, must be avoided. The machine can cause an explosion when operated near such areas.



Use caution when operating the machine on a ramp or incline. Do not turn the machine on an incline, as it may become unstable and flip over. Do not leave the machine unattended on a ramp or incline, as it could roll freely and result in personal injury. The Admiral 26 SPORT is not designed for use on surfaces with a greater than 6% incline or slope. Adopt operation habits to local condi-





tions to ensure machine is always under operator's control. The Admiral 26 SPORT is not designed for decontamination purposes and should not be used in areas where hazardous wastes or materials are stored or have been spilled. Use of the Admiral 26 SPORT in these areas could result in the spread of hazardous wastes or materials and operator exposure to same.

Remove the key to avoid unauthorized use of the machine.

1.4 Maintenance Precautions

- Maintenance and repairs must be performed by qualified personnel only. Maintain adjustments on machine pursuant to specifications noted in the service manual.
- Maintenance and repair work must be performed by using appropriate, undamaged tools.
- Spare and replacement parts must conform with factory machine specifications. Failure to do so may result in machine malfunctions. Genuine spare and replacement parts are highly recommended.



Switch off and remove the machine's key before inspecting the machine or performing any maintenance or repair work. Failure to do so may result in accidental machine activation and personal injury.



When performing maintenance or repair work on the machine's electrical system, be sure to disconnect the machine's battery plug first. Failure to do so could result in accidental machine activation and personal injury.

 Before commencing operation of the machine, check for obvious signs of loose parts, potential conditions indicative of malfunctions, etc. Any signs of potential problems must be remedied before actual operation commences.



Before commencing operation of the machine following maintenance or repair activities, check to ensure that all protective devices have been properly refitted and positioned, or other potential problems before actual operation commences, otherwise personal injury may occur.

1.5 Battery and Electrical System Precautions



The Admiral 26 SPORT operates on either lead acid or AGM batteries. Batteries can generate gases which can ignite or cause an explosion. Keep sparks and flames away from the batteries. Charge the batteries only in well ventilated areas.



Wear eye protection when working near batteries. Do not put any type of metal objects or tools across the battery terminals or on top of batteries. Do not clean the machine's electrical parts or system, including batteries, by means of high-pressure cleaning equipment. Such activities could cause short-circuit or battery explosion hazards, resulting in personal injury.

- Only use a charger designed for your specific battery type.
- Only qualified individuals should attempt to undertake maintenance and repair activities associated with the machine's electrical system in accor-

- dance with appropriate industry standards and government regulations, if any.
- The electrical system of the machine should be inspected at regular intervals. Any obvious defects, such as loose connections, damaged or frayed electrical cables, corrosion, should be repaired before the machine is put back into use. Failure to do so could cause machine malfunctions or electrical hazards.
- In case of a malfunction of the machine's electrical system, including, but not limited to, unexpected loss of power or individual system shutdowns, the machine should be shut down immediately for inspection and required maintenance and repair.



Batteries must be selected and seated appropriately in accordance with factory machine specifications. Failure to do so could result in inappropriate changes to the machine's center of gravity which, in turn, could result in machine operation and control hazards (especially on inclined surfaces) and related personal injury.

 Observe all operating, use, and safety instructions provided by the appropriate battery manufacturer.



Used batteries must be handled, disposed, or recycled properly in accordance with government regulations. Used batteries should never be disposed of as non-hazardous waste (e.g. domestic or household waste). Used batteries should be disposed or recycled by appropriately trained and permitted entities and /or disposal facilities.

1.6 Cleaning Solution Use and Disposal Precautions

- Only cleaning agents / detergents suitable for automatic machines (low foaming) should be used in the Admiral 26 SPORT. Cleaning agents / detergents should be mixed with water in ratios established by product labels and or manufacturer recommendations. All safety precautions established by the cleaning agent / detergent's manufacturer (including, but not limited to, use of gloves and safety glasses) must be followed. These safety precautions can typically be found on the cleaning agent / detergent's product labels, accompanying collateral materials, and related Material Safety Data Sheets
- Used or spent mixtures of water and cleaning agents / detergents collected in the machine's recovery tank must be disposed of in accordance with applicable government regulations and or local permits obtained by the facility in which floor cleaning activities occur, if any. Violations of such government regulations and local permits can result in significant penalties.



Never dispose of the contents of the machine's recovery tank outdoors or into stormwater systems or basins!

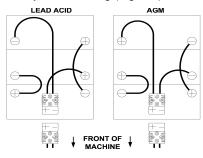
1.7 Machine Labels

The following safety and information labels are legibly attached to the machine. Replace missing or illegible labels immediately.

PowerBoss nameplate (Fig. 1/1)



Battery cable routing (Fig. 1/2)



Recovery tank drain hose (Fig. 2/1)



Off aisle wand switch (Fig. 2/2)



Water temp warning (Fig. 1/3)



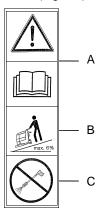
Battery caution (Fig. 1/4)

ACHTUNG: Explosive Gase – Flammen und Furken vermelden – Während des Ladens für ausreichende Belüffung sorgen.

Caurilon: Explosive gases – Avold fires and sparks – Provide for sufficient ventilation during basding!

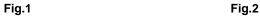
Précaution: Gaz explosifs – Eviter des flammes et édincelles – Pourvoir suffisante ventilation perdant chargement!

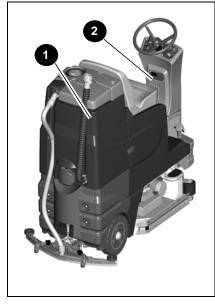
General information (Fig. 1/5)



- A= Read and observe the instruction manual
- B = Maximum inclination of 6%
- C = Do not clean the machine by means of high-pressure cleaning equipment







2 Machine Overview

2.1 Machine Overview - Front

- 1 Recovery tank lid
- 2 Steering wheel
- 3 Drive wheel
- 4 Roller bumper
- 5 Foot step
- 6 Side squeegee
- 7 Scrub deck
- 8 Solution level sight gauge
- 9 Seat adjustment lever
- 10 Solution tank
- 11 Solution tank fill port
- 12 Hourmeter
- 13 Circuit Breaker Panel, includes: Key Switch SPORT mode

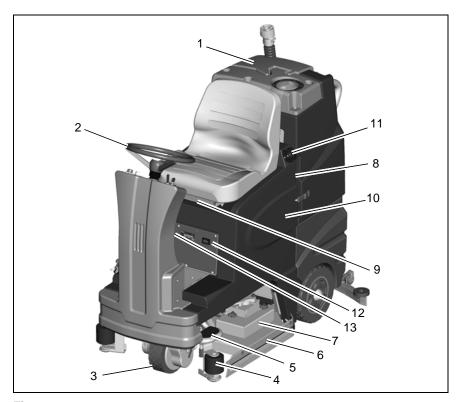


Fig.3

Machine Overview

2.2 Machine Overview - Rear

14 Recovery tank dump hose

15 Off aisle wand hose connection

16 Suction hose

17 Clean-out

18 Rear squeegee

19 Recovery tank

20 Safety latch

21 Accelerator pedal

22 Control panel

23 Rear Wheel

24 Solution tank drain hose

25 Off Aisle Wand Switch and LED SPORT Mode display

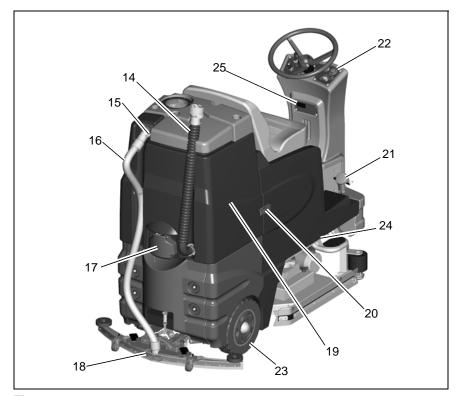


Fig.4

3 Operating and Indicating Elements

3.1 Operating Panel

- 1 Direction selector
- 2 LED indicator Forward
- 3 Battery / Fault gauge
- 4 Solution control
- 5 Horn
- 6 Key switch
- 7 LED indicator Reverse
- 8 Double scrub mode
- 9 Regular scrub mode
- 10 Heavy scrub mode
- 11 Mode selector
- 12 Vacuum only mode
- 13 Transport mode

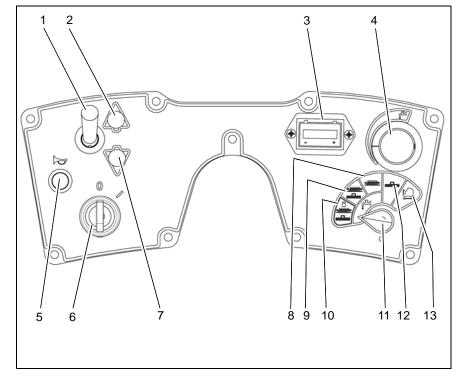


Fig.5

Direction selector (Fig. 5/1) Controls the direction in which the Admiral SPORT will move when the accelerator pedal is activated. The arrow pointing forward the amber LED (Fig. 5/2) indicates the machine is in forward mode. The arrow pointing backward with the red LED (Fig. 5/7) indicates the machine is in reverse mode.



Battery / Fault gauge(Fig. 5/3)

This gauge displays the remaining battery charge. This gauge also displays any fault codes that might occur with the machine controller (see "Troubleshooting" for fault codes).

Solution control(Fig. 5/4)

This control will adjust the amount of solution that is dispersed to the floor while in one of the scrub modes. Adjust control clockwise to increase the amount of solution being dispersed. The solution flow range is from zero (0) to a maximum of ¾ GPM.



Horn (Fig. 5/5) Activates the electric horn.



Key Switch(Fig. 5/6)

The key switch turns the electrical system on and off.



Remove the key to avoid unauthorized use of the machine.

Mode selector(Fig. 5/11)

Selects the operating mode of the machine.



Regular scrub mode(Fig. 5/9)

This mode is recommended for day-today tasks under normal conditions. With the direction selector in the forward position and the accelerator pedal is activated, the solution pump will turn on, brushes will turn on and lower, vacuum motor will turn on and squeegee will lower. When the accelerator pedal is released and the machine stops moving, the scrub deck will automatically raise and turn off the brushes. the squeegee will raise and the vacuum motor will turn off after a delay. If the direction selector is in the reverse position, the machine will operate the same as in forward mode, only the squeegee will raise up.



Heavy scrub mode(Fig. 5/10)

This mode is recommended for high traffic areas and areas that have been heavily soiled. The machine will operate the same as if it was in Regular Scrub Mode, only in this mode brush pressure is increased.



Double scrub mode(Fig. 5/8)

This mode is recommended if the floor is heavily soiled and the cleaning chemicals will need additional time to emulsify grease and oils that are on the floor. With the direction selector in either the forward or reverse position and the accelerator is activated, the solution pump will turn on, the brushes will turn on and lower to the floor. The rear squeegee will not lower. This allows the chemical solution time to remain on the floor. After double scrubbing, vacuum only mode should be used to recover the dirty solution water from the floor.



Vacuum only mode(Fig. 5/12)

This mode is recommended for solution removal after double scrubbing, but can also be used to pick up spills. When the accelerator pedal is activated with the direction selector in the forward position, the rear squeegee will lower to the floor as the vacuum motor turns on pulling the dirty solution water from the rear squeegee into the recovery tank. If the machine stops moving and the direction selector is switched to reverse, the rear squeegee will raise (protecting it from damage) and the vacuum motor will turn off after a delay. If the machine stops moving in either direction, the squeegee will automatically raise and the vacuum motor will shut off after a delay.



Transport mode(Fig. 5/13)

When this mode is selected, none of the cleaning functions will operate. This mode is only used to transport the machine from one location to another.

lotes	

Circuit Breaker Panel 3.2

- 1 CB1- Main Control Circuit Breaker Switch
- 2 CB2 Auxiliary Circuit Breaker, Push Button
- 3 SPORT Key Position III4 SPORT Key Position II
- 5 SPORT Key Position I6 Key Position SPORT mode

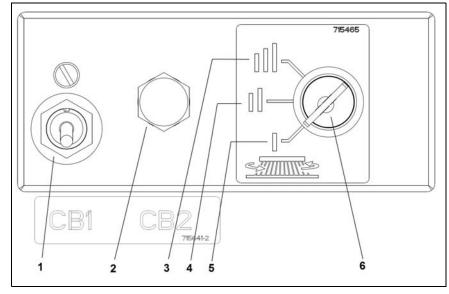


Fig.6

CB1 - Main Contol Circuit Breaker Switch (Fig. 6/1)

Use this lever to turn on/off the main controls of the Admiral 26 SPORT.

CB2 - Auxiliary Circuit Breaker (Fig. 6/2)

This push button circuit breaker is used to reset breaker control of the auxiliary items on the Admiral 26 SPORT.

SPORT - Key Position III (Fig. 6/3)

When SPORT key is in positon III, the brush speed will be 400 RPM, nominal.

SPORT - Brush Speed II (Fig. 6/4)

When SPORT key is in positon II, the brush speed will be 300 RPM, nominal.

SPORT - Brush Speed I (Fig. 6/5)

When SPORT key is in positon I, the brush speed will be 200 RPM, nominal.

Key Position - SPORT mode (Fig. 6/6)

Key must inserted to select SPORT mode (Brush Speed), I, II, or III. SPORT mode selection will remain selected with or without the key inserted. The

only way to select a different SPORT mode (Brush Speed) I, II, or III, is to insert the key and turn to a new mode selection.



Remove the SPORT key to avoid unauthorized Brush Speed control selection.

3.3 Off Aisle Wand Switch Panel

- 1 SPORT mode I Green LED indicator
- 2 SPORT mode II Amber LED indicator
- 3 SPORT mode III Red LED indicator
- 4 Decal Off Aisle Wand Switch
- 5 Toggle Switch Off Aisle Wand Switch (optional)

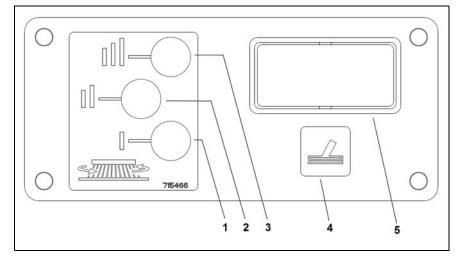


Fig.7

SPORT mode I - Green LED Indicator (Fig. 7/1)

This Green LED Indicator will light up when the user has positioned the key in the SPORT mode I postion. The Brush Speed for this position is 200 RPM, nominal.

SPORT mode II - Amber LED Indicator (Fig. 7/2)

This Amber LED Indicator will light up when the user has positioned the key in the SPORT mode II postion. The Brush Speed for this position is 300 RPM, nominal.

SPORT mode III - Red LED Indicator (Fig. 7/3)

This Red LED Indicator will light up when the user has positioned the key in the SPORT mode III postion. The Brush Speed for this position is 400 RPM, nominal.

Decal - Off Aisle Wand Switch (Fig. 7/4)

This decal is to show the location of the Off Aisle Wand Switch. The Toggle Switch for the Off Aisle Wand Switch is

located above this decal.

Toggle Switch - Off Aisle Wand Switch (Fig. 7/5)

This toggle switch is to turn the Aisle Wand On or Off.

At the Machine 3.4

- 1 Seat adjustment lever
- 2 Solution tank fill port3 Solution filter
- 4 Solution drain hose
- 5 Solution level sight gauge6 Recovery drain hose
- 7 Recovery tank lid
- 8 Suction filter
- 9 Off aisle wand switch

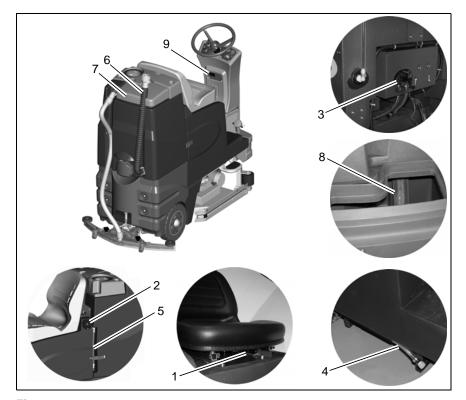


Fig.8

Seat adjustment lever (Fig. 8/1)

Use this lever to adjust the seat forward or backward.

Solution tank fill port (Fig. 8/2)

The solution tank is filled through this port.

Solution filter (Fig. 8/3)

While solution flows from tank to brush deck, it is cleaned by the filter element.

Solution tank drain hose (Fig. 8/4)

This hose allows draining of the solution tank.

Solution level sight gauge (Fig. 8/5)

The amount of solution in the tank can be checked visually using this gauge.

Recovery tank drain hose (Fig. 8/6)

This hose allows draining of the collected soiled water from the tank.

Recovery tank lid (Fig. 8/7)

Removing this lid allows access to the recovery tank and suction filter.

Suction filter (Fig. 8/8)

This filter protects the vacuum motor from water and debris.

Off aisle wand switch (optional) (Fig. 8/9)

This switch activates the optional off aisle wand.



Hourmeter (Fig. 3/12)

The hourmeter displays the current operating hour level.

Dirt hopper guiding rail (Fig. 9/1)

The dirt hopper located at the cylindrical brush deck is fastened by a guiding rail. This dirt hopper may be easily removed for cleaning.

Cylindrical brush hub (Fig. 9/2)

This hub (both sides) can be removed to access the cylindrical brushes. The cylindrical brushes may be easily removed without tools.

Side squeegee pivot (Fig. 9/3)

Pivot the side squeegee in lifted position to allow access to the cylindrical brush hub without disturbing the alignment of the side squeegees. This can be done without tools by removing the yellow star shaped knob.

Dirt Hopper (Fig. 9/4)

Floor debris is swept into the dirt hopper.

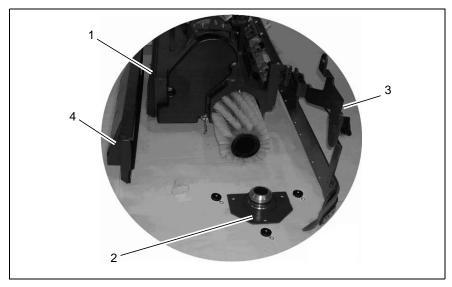


Fig.9

- 1 Dirt hopper guiding rail
- 2 Cylindrical brush hub
- 3 Side squeegee pivot bracket
- 4 Dirt hopper

Disc deck cover(Fig. 10/1)

This cover (both sides) can be removed to access the disc brushes. The deck cover can be easily removed without tools.

Disc brush (Fig. 10/2)

The disc brushes can be easily removed without the use of tools using down force to dislodge the brush.

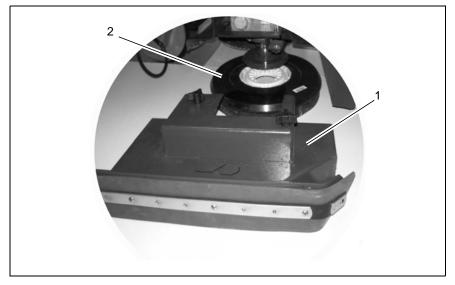


Fig.10

- 1 Disc deck cover
- 2 Disc brush

Off aisle wand tool (Optional)

The Admiral 26 SPORT is equipped with a ready-to-use built-in telescoping off-aisle wand system for use in hard to reach areas. By activating the Aisle Wand toggle switch (Fig. 8/9) & (Fig. 7/5) the wand is ready to use.

Solution trigger (Fig. 11/1)

The trigger controls the solution flow to the spray jet. Squeezing the trigger opens an internal valve to dispense cleaning solution.

Telescoping wand (Fig. 11/2)

The telescoping wand allows the length to be adjusted for operator comfort or storage.

Wand extender (Fig. 11/3)

Sliding the extender forward (as shown) extends the wand during use and retracts by pulling it back for the storage position.

Flip-flop tool (Fig. 11/4)

can be changed from scrub brush (Fig. 11/6) to vacuum squeegee (Fig. 11/5) by simply rotating the end.

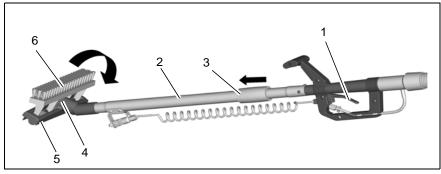


Fig.11

- 1 Solution trigger
- 2 Telescoping wand
- 3 Wand extender
- 4 Flip-flop tool
- 5 Vacuum squeegee
- 6 Scrub brush

Notes	

First Operation

4 First Operation

4.1 Instruction

Only persons trained by qualified PowerBoss technicians are authorized to operate, service and repair the machine. Operators must read and understand this manual before operating or maintaining this machine.

4.2 Initial charging procedure

NOTICE Be sure to use proper charger per battery type.

NOTICE Before first operation of the machine, fully charge the battery with an initial charging procedure and comply with the op-erating instructions of the charger as well as with those of the battery manufacturer.

Power-

Bossannot be held liable for damages resulting from an insufficient initial charge.

4.3 Before Putting into Operation

Complete the following inspections before taking the machine into operation:

- Check the area around the machine for signs of leakage. Hoses, lines and tanks must be free from any leakage or damage.
- 2. Install brushes and squeegee, see maintenance chapter.
- 3. Install batteries and connect battery plug, see maintenance chapter.
- Check battery charge and recharge if required. An initial charge is required before first operation of the machine. (see Maintenance section)
- 5. Empty recovery tank and clean it if required, see maintenance chapter.
- Refill solution tank and add cleaning agent according to the manufacturer's recommendations.

NOTICE Use only cleaning agents suitable for automatic machines (low-foaming) and comply with the instructions for use, disposal and with the warning information specified by the cleaning agent's manufacturer.

4.4 Start Machine

Proceed with the following to set the machine to operating mode:

- Disconnect the charger and connect the battery connector
- Switch on machine by actuation of key switch from position (0) to position (1). The battery gauge will display the remaining battery life.

First Operation

4.5 Operation

- 1. Switch on the machine.
- 2. Select one of the five available modes using the mode selector (Fig. 5/11).
- 3. Set the direction the machine will travel by selecting forward or reverse on the direction selector (Fig. 5/1).
- 4. Set the brush speed selector switch to the desired brush speed setting. using the key switch on the circuit breaker panel. This switch determines the speed at which the brushes will rotate (I=200RPM, II=300RPM, III=400RPM). All speeds are nominal. The LED's on the OFF Asile Wand Switch Plate will show the operator what a brush speed has been selected (Green = I. Amber = II, Red = III). Be careful that your speed setting is correct for the brushes you are using.
- 5. Activating the accellerator pedal (Fig. 4/21) turns on the transport, brushes, water flow, vacuum, and lowers the rear squeegee accordingly to the mode selected.

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If the accelerator pedal is activated before, or the key is

switched "ON" at the same time, the machine will not move as a safety precaution. Remove your foot from the pedal, turn the machine OFF and ON, then activate the pedal to drive the machine.



When the direction switch is set to reverse and the accelerator is activated, the back up alarm will sound and the rear squeegee will automatically raise. However, the scrub brushes will continue to rotate and solution will continue to flow.

6. Start scrubbing by driving the machine forward in a straight line at 3/4 speed overlapping each path by 2 to 3 inches.

NOTICE Start moving machine immediately after switching on the brush deck, otherwise the brushes leave traces on the floor. Lift brush deck before passing over steps and other obstacles.

7. When scrubbing, check behind the machine occasionally to see that all of the dirty water is being picked up.



If streaking occurs, the recovery tank may be full, the suction hose may be clogged, debris may need to be removed from the squeegee, or the rear squeegee may require adjustment. (Refer to "Maintenance" section before making any adjustments.)



In cases where the floors are extremely soiled or dirty, the double scrub mode may be needed. (Refer to "Operating and Indicating Elements" section.)



The recovery tank has a safeguard for overflow protection to guard against water entering the vacuum motor when the recovery tank is full. The Vacuum will stay ON for 15 seconds and then shut-off automatically. When this happens, immediately empty the recovery tank.

First Operation

- Drive the machine to a designated dirty water disposal area and empty the recovery tank. (Refer to "Maintenance" section for instructions.)
- Refill the solution tank and continue scrubbing until the job is done or the machine runs out of charge.



The battery/ fault gauge (Fig. 5/3) will flash to signal that the machine is almost out of power. When this signal is displayed, all functions will shut off (brushes will turn off, the scrub deck and squeegee will raise. The key switch must be turned OFF then ON to reset the machine. The machine will then only have a few minutes left of reserve power for a short vacuum only mode to pick up remaining solution on the floor and transport power to drive to the battery recharging station. If the machine is operated for an excessive period of time after cleaning functions have stopped, it will eventually turn itself off. The machine will have to be pushed back to the recharging station.

4.6 Stop Machine

To stop scrubbing, select the transport mode (Fig. 5/13). This will automatically stop the solution flow, raise the scrubdeck, raise the squeegee, and turn off the vacuum motor (15-second delay).

4.7 After Work

Refer to the "Maintenance" section for specific maintenance instructions described below.

- When finished scrubbing, select the transport mode (Fig. 5/13), all cleaning functions will shut off. Move the machine to a suitable site for maintenance.
- 2. Empty and clean the solution tank
- 3. Empty and clean the recovery tank



Observe the legal directives and local regulations for disposal of detergents.

- 4. Remove and clean the brushes or pad holders.
- Remove and clean the rear squeegee

- Check operating fluid levels, function and setting.
- Remove and clean the side squeegees.
- 8. Clean the machine.

NOTICE Do not clean the electrical parts by means of high-pressure cleaning equipment.

- Check the maintenance schedule and perform any required maintenance before storing the machine.
- 10. Charge batteries.
- 11. Store the machine indoors in a clean dry place.

NOTICE Keep from freezing

NOTICE Leave the solution and recovery tank lids open for ventilation to prevent odor build-up.

12.Turn key switch OFF and remove key.



Remove the key to avoid unauthorized use of the machine.

4.8 Transporting the machine

To transport the machine, turn the key switch ON, select the transport mode, select forward or reverse, activate the accelerator pedal to start movement.

4.9 Tie-down points

When transporting on a vehicle or trailer, the machine has to be secured. Tie the machine down firmly by using the front foot steps (Fig. 12/1) and the rear tie hooks (Fig. 12/2) as tie-down points.

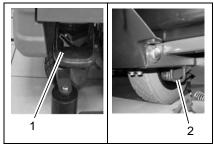


Fig.12

Operation

5 Operation

5.1 Method of Operation General

The Admiral 26 SPORT is a vacuum scrubbing machine for wet cleaning of hard-surfaced floors.

5.1.1 Brush Deck

Brush deck (Fig. 13/1) automatically lowers when traveling with a cleaning mode selected. The brushes rotate and solution supply switches on automatically. When the machine stops, brushes and solution supply switch off automatically.

5.1.2 Solution Tank

Fill the solution tank (Fig. 13/2) through solution fill port (Fig. 13/5). The solution tank holds 27 gallons and the filling level can be checked visually through the solution level sight gauge (Fig. 13/6).

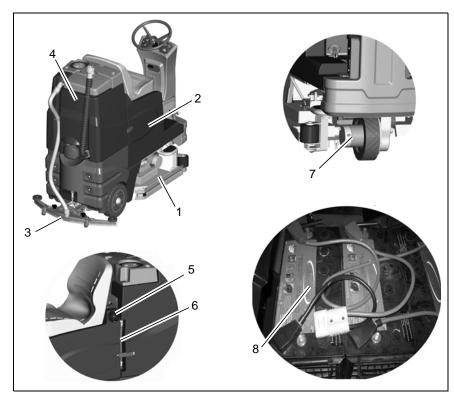


Fig.13

Operation

5.1.3 Squeegee

The rear squeegee system (Fig. 13/3) consists of squeegee blades, vacuum motor, and suction hose. The soiled water is wiped from the floor by means of squeegee blades. Squeegee lowers automatically when corresponding cleaning mode is selected. Simultaneously, the vacuum motor switches on. The vacuum motor works independent of direction of travel and even if the machine stops. Changing direction to reverse, changing mode to transport or double scrub will automatically lift the squeegee and vacuum is automatically switched off with a delay of 15 seconds.

5.1.4 Recovery Tank

The soiled water is taken from squeegee to the recovery tank (Fig. 13/4) by vacuum motor and suction hose.

5.1.5 Batteries

The battery compartment contains three 12-volt batteries connected in series (Fig. 13/8). The recommended batteries are:

210 Ah (PowerBoss P/N 956210) or AGM 234 Ah (PowerBoss P/N 956748)

5.1.6 Drive motor

The drive motor (Fig. 13/7) features dynamic braking as well as an electromagnetic parking brake. When the machines power is turned off, the emag brake is activated and the traction motor is prevented from moving

5.1.7 Options

 Off aisle wand - including telescoping wand, squeegee/scrub brush, and solution spray system . (see Fig.11



Accessories such as brushes, rollers, pads, pad holder with centerlock and squeegee blades are available. Contact your PowerBoss Dealer for more information.

6 Technical Data

	Disc brush deck			
Machine length	60	in	152	cm
Machine height	54	in	137	cm
Machine width without Squeegee	28.9	in	73.4	cm
Machine width with Squeegee	34	in	86	cm
Working width	25	in	63.5	cm
Squeegee width	36.75	in	93.3	cm
Surface performance theoretical	33125	ft²/h	3077	m²/h
Service voltage	36	V	36	V
Nominal power drive motor	600	W	600	W
Nominal power vacuum motor	660	W	660	W
Nominal power brush motor	960	W	960	W
Number of brushes	2	Qty.	2	Qty.
Diameter of brushes	13.0	in	33	cm
Working speed	3.0	mph	5,0	km/h
Solution tank	27	gal	122	L
Recovery tank	31	gal	141	L
Weight without batteries and solution	475	lb	215	kg
Weight with solution and batteries	1095	lb	520	kg

Technical Data

Noise emission		
The sound pressure level measured under maximum conditions of use (LwA) according to DIN EN 60335-2-72 amounts to:	dB (A)	83
The sound pressure level measured (at the ear of the driver) under normal conditions of use (LpA) according to DIN EN 60335-2-72 amounts to:	dB (A)	72
Measurement inaccuracy (KpA):	dB (A)	1,8
Vibration		
The frequency weighted acceleration measured according to DIN EN ISO 5349 which have an effect upon the upper limbs (hand-arm-system) amounts under normal working conditions:	m/s²	< 2,5

7 Maintenance and Care General



Before proceeding to maintenance and care work you are advised to read and comply with the Safety Information section 1.4 and 1.5.

Compliance with the recommended maintenance work will ensure that you always have a reliable machine available.

Daily or weekly maintenance and repair work may be executed by the driver/operator having been trained accordingly. Further PowerBoss system maintenance work must be completed by qualified personnel only. Please contact your local PowerBoss Service Center or PowerBoss contract dealer. We cannot be held liable for damages resulting from non-compliance with these instructions.

Please indicate the machine's serial number with any enquiry or spare part order, see section 1.7 - Nameplate.

7.1 PowerBoss System Maintenance

The PowerBoss System Maintenance:

- guarantees reliable operability of the PowerBoss machines (preventive maintenance)
- minimizes operating costs, repair costs and maintenance costs
- ensures long service life and operability of the machine

The PowerBoss System Maintenance is structured in separate modules and determines specific technical works to be executed as well as the intervals for such maintenance works. For any specific maintenance type, the replacement parts are determined and listed in spare part kits.

System Maintenance K:

To be performed by the customer in accordance to the maintenance and care instructions contained in the operating instructions (daily or weekly). The operator will be instructed upon delivery of the machine.

System Maintenance I:

(every 125 hours of operation)
To be performed by qualified personnel of authorized PowerBoss Service
Center in accordance with the machine-specific system maintenance including spare part kit.

System Maintenance II:

(every 250 hours of operation)
To be performed by qualified personnel of authorized PowerBoss Service
Center in accordance with the machine-specific system maintenance including spare part kit.

System Maintenance S:

(every 500 hours of operation safety check)

To be performed by qualified personnel of authorized PowerBoss Service Center in accordance with the machine-specific system maintenance including spare part kit.

7.2 Maintenance Document

Handing over Upgrade Test drive Handing over to the customer	System Maintenance I 125 operating hours Workshop stamp	System Maintenance II 250 operating hours Workshop stamp	System Maintenance I 375 operating hours Workshop stamp
Instruction carried out on:	carried out on:	carried out on:	carried out on:
at operating hours	at operating hours	at operating hours	at operating hours
System Maintenance S 500 operating hours Workshop stamp	System Maintenance I 625 operating hours Workshop stamp	System Maintenance II 750 operating hours Workshop stamp	System Maintenance I 875 operating hours Workshop stamp
carried out on:	carried out on:	carried out on:	carried out on:
at operating hours	at operating hours	at operating hours	at operating hours
System Maintenance S 1000 operating hours Workshop stamp	System Maintenance I 1125 operating hours Workshop stamp	System Maintenance II 1250 operating hours Workshop stamp	System Maintenance I 1375 operating hours Workshop stamp
carried out on:	carried out on:	carried out on:	carried out on:
at operating hours	at operating hours	at operating hours	at operating hours

7.3 Maintenance Schedule System Maintenance Customer

Maintenance intervals must be performed by the customer/operator.

To be performed	Interval	
	daily	weekly
Fill solution tank and proceed to chemical agent dosage	0	
Charge batteries	0	
Check brush deck and clean if required	0	
Check squeegee and clean if required	0	
Clean tank lid seal of the recovery tank	0	
Empty recovery tank. Clean recovery tank and suction filter	0	
Check brushes/pads and replace if required	0	
Clean dirt hopper (cylindrical deck)	0	
Clean suction hose of recovery tank		0
Check squeegee blades and turn around or replace if required		0
Clean drain hose of solution tank		0
Check solution supply to brushes and clean if required		0
Check solution filter and clean if required		0
Check roller bumpers		0
Test drive and function test		0

System Maintenance I

The following maintenance work must be performed by an authorized PowerBoss Service workshop.

To be performed	Interval
	every 125 hours of operation
Check battery charger	0
Check tank lid seal of the recovery tank and replace if required	0
Check drain hose of the recovery tank and replace if required	0
Grease joints at the brush lift mechanism	0
Check wheel fixing screws and tighten (24 lb ft) if required	0
Check condition of tires	0
Grease joints at the squeegee holder	0
Test drive and function test	0

System Maintenance II
The following maintenance work must be performed by an authorized PowerBoss Service workshop.

To be newformed	Interval	
To be performed	every 250 hours of operation	
Perform maintenance works according to System Maintenance I	0	
Inspect steering damages and bearing slackness and replace if required	0	
Check drain hose of the recovery tank and replace if required	0	
Check roller bumperof the brush deck and replace if required	0	
Check suction hose for tight fit and damages and replace if required	0	
Check supporting wheel of the squeegee and replace if required	0	
Test drive and function test	0	

System Maintenance S (Safety check)

The following maintenance work must be performed by an authorized PowerBoss Service workshop at least once a year.

To be performed	Interval	
	every 500 hours of operation	
Perform maintenance works according to System Maintenance II	0	
Clean traction drive motor from carbon dust and check carbon brushes for smooth operation and wear and replace carbon brushes if required	0	
Clean brush motors from carbon dust and check carbon brushes for smooth operation and wearing and replace carbon brushes if required	0	
Test drive and function test	0	

7.4 Battery Systems

- 1 Battery gauge
- 2 Recovery tank
- 3 Battery connector
- 4 Batteries
- 5 Safety latch
- 6 Support strap
- 7 Battery layout/connection



Handling and changing the batteries must be performed only by maintenance staff.

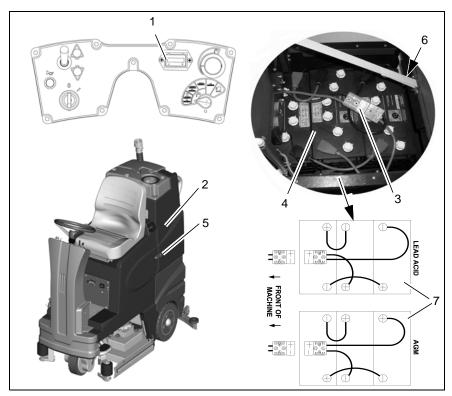


Fig.14

7.4.1 Charge Batteries

Connect the charger to the battery connector (Fig. 14/3) Charging batteries is recommended if at least one bar of the battery gauge has extinguished after operation of the machine. Observe the operating instructions of the charger as well as the operating instructions of the battery manufacturer. In case it is intended to change the type of battery the charger has to be adjusted only by PowerBoss contract workshops.

NOTICE Be sure to use the correct battery charger per battery type.

7.4.2 Charger Specifications

Lead Acid: PowerBoss (Standard)

P/N: 957746-1

(36VDC, 20A, 120VAC Input)

AGM: Discover (Optional)

P/N: 957746-2

(36VDC, 25A, 120VAC Input, Hi-fre-

quency)

NOTICE Charge the batteries properly before starting the machine for the first time. PowerBoss cannot be held liable for battery damage resulting from failure to initially charge batteries.



Provide for sufficient ventilation of areas where batteries are charged. - Explosion hazard! See section 1.5 of this manual for battery and electrical precautions.

7.4.3 Maintenance of Batteries

Refer to battery manufacturers instructions for information on care of batteries.

7.4.4 Remove Batteries

- Park machine on level ground.
- 2. Switch off machine by key switch.
- 3. Open empty recovery tank (Fig. 14/ 2) and secure by strap (Fig. 14/6).
- 4. Disconnect battery connector (Fig. 14/3).
- 5. Disconnect battery connection cables.
- Remove batteries.

Install Batteries 7.4.5



Batteries must be selected and seated appropriately in accordance with factory machine specifications. Failure to do so could result in inappropriate changes to the machine's center of gravity which, in turn, could result in machine operation and control hazards (especially on inclined surfaces) and related personal injury.

- 1. Switch off machine by key switch.
- 2. Open empty recovery tank (Fig. 14/ 2) and secure by strap (Fig. 14/6).
- 3. Place batteries into tray according to figure.
- 4. Connect battery poles and enclosed connecting cables according to battery connection/layout (Fig. 14/7). Tighten and grease poles.

7.4.6 Disposal of Batteries

Used batteries labelled by the recycling sign contain re-usable substances. Such batteries must not be added to normal household waste. Obtain local information for the proper disposal of used batteries.

Solution tank 7.5

- 1 Solution tank
- 2 Fill level sight gauge3 Solution filter

- 4 Fill port5 Solution tank drain hose

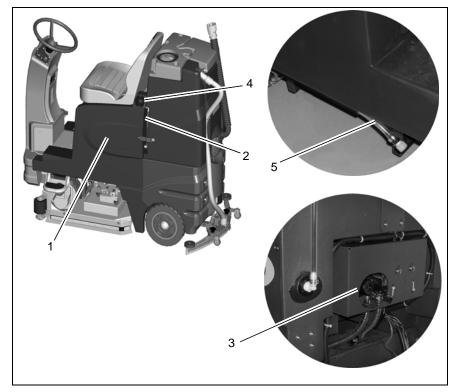


Fig.15

7.5.1 Fill solution tank

Fill solution tank (Fig. 15/1) before work or as required. Park machine on level ground. Open fill port (Fig. 15/4) and fill tank up to the maximum (1/1 marker) on the sight gauge (Fig. 15/2).

7.5.2 Empty solution tank

Park machine such that the solution tank drain hose (Fig. 15/5) is located above the drain aperture in the floor. Take tank drain hose from holder and remove cap.

7.5.3 Solution Filter

Check solution filter (Fig. 15/3) at weekly intervals and clean or replace if required.

Only clean solution filter when the solution tank is empty.

- 1. Empty solution tank (Fig. 15/1), see paragraph 7.5.2.
- 2. Unscrew filter cap.
- Remove the filter element from the filter case for cleaning. Replace if required.
- 4. Re-install filter element and filter cap.

7.6 Recovery tank

- 1 Recovery tank2 Drain hose
- 3 Suction filter
- 4 Tank lid

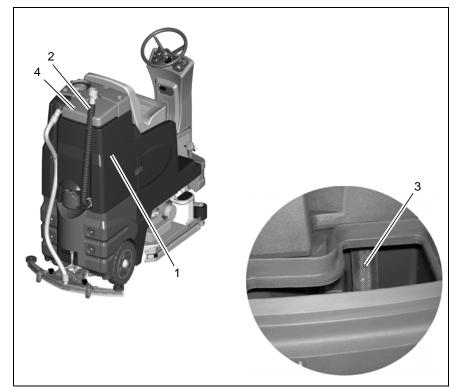


Fig.16

7.6.1 Empty recovery tank

Clean recovery tank (Fig. 16/1) at daily intervals, as required or upon acoustic signal (increased vacuum motor speed).

- 1. Take machine to appropriate area for draining.
- 2. Park machine such that drain hose reaches a drain aperture in the floor.
- 3. Switch off machine.



Observe the legal provisions and the local regulations for disposal of detergents!

 Take drain hose (Fig. 16/2) from holder and empty recovery tank completely.

7.6.2 Clean recovery tank

Clean recovery tank (Fig. 16/1) at daily intervals or as required.

- 1. Empty recovery tank, see paragraph 7.6.1.
- 2. Open tank lid (Fig. 16/4) of the recovery tank.
- Take drain hose (Fig. 16/2) from holder and empty recovery tank completely.
- 4. Remove remaining dirt by rinsing with clean water.
- 5. Rinse drain hose as well.

7.6.3 Clean Suction Filter

Check suction filter (Fig. 16/3) at daily intervals and clean if required. The suction filter can be easily removed by pulling downward.

7.7 Disc brush deck

- 1 Brush deck
- 2 Roller bumper
- 3 Deck cover
- 4 Disc brush
- 5 Side squeegee

7.7.1 Clean Brushes

Clean the brushes of the brush deck (Fig. 17/1) at daily intervals or as required.

- Remove the deck cover (Fig. 17/3).
 The deck cover can be removed without tools by removing the star shaped knobs
- 2. Push down on brush(Fig. 17/4) to remove for cleaning.

7.7.2 Change Brushes

Check brushes and pads of the brush deck for wearing at daily intervals. Replace brushes if bristles are worn down to a length of 1/2". Replace pads if worn to 3/8"

- 1. Push down to remove old brushes.
- Push new brush under brush deck, line up the brush and brush hub, press brush onto brush hub firmly until snap is heard.

7.7.3 Change Roller Bumper

Check roller bumper(Fig. 17/2) at weekly intervals or replace as required.

7.7.4 Change side squeegee

Check side squeegee (Fig. 17/5) at weekly intervals or as required. Remove the two (front and back) wingnuts located behind the squeegee blades. Remove squeegee blade. Proceed to mounting in reverse order. Side squeegee blades can be used fourfold by flipping and turning them.

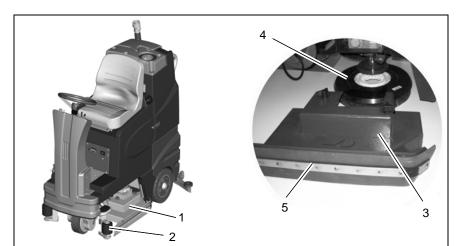


Fig.17

7.7.5 Adjust side squeegee

The side squeegees channel the dirty solution to the rear squeegee. The side squeegees may require adjustments when replacing worn blades or to achieve optimum performance.

- Loosen the two (front and back) wingnuts located behind the sidesqueegee.
- Lower the scrub deck by switching to a scrubbing mode and when the brushes start up, turn OFF the key switch.
- At this point the side squeegee should be resting vertically (no deflection) on the floor. Press down on the side squeegee bracket assembly from each end while making sure that the blade is uniformly deflected in a 45 degree angle along its whole length.
- 4. Tighten the wingnuts.
- Turn the steering wheel all the way to the left or right and start pushing the machine to the side to inspect the blade deflection and wiping action.
- 6. Repeat the steps above until a satisfactory result is obtained.

7.8 Rear Squeegee

- 1 Suction hose
- 2 Squeegee blades
- 3 Fastening latch
- 4 Star-shaped knob
- 5 Caster
- 6 Washers for height adjustment

7.8.1 Cleaning the Squeegee

Check the squeegee (Fig. 18/2) daily and clean as necessary.

To clean, lift up the squeegee, pull off the suction hose (Fig. 18/1), loosen the two star-shaped knobs (Fig. 18/4) and remove the squeegee.

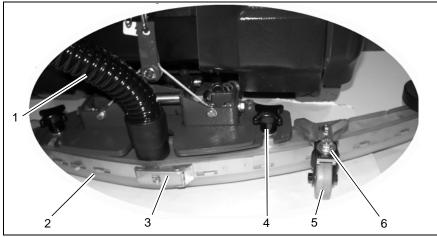


Fig.18

7.8.2 Change the Squeegee Blades

Check the inner and outer squeegee blades on the squeegee (Fig. 18/2) weekly for signs of wear. The squeegee blades can be used fourfold by turning them.

- 1. Lift the squeegee up.
- Remove the suction hose, loosen the two star-shaped knobs and remove the squeegee.
- Unlock the fastening latch (Fig. 18/3) and remove the outer squeegee blade. Turn the squeegee blade or install a new one. Change the inner squeegee blade in the same way.

7.8.3 Adjusting the Blades Angle Adjustment

The angle adjustment is the decisive factor in ensuring that the squeegee blades on the squeegee lie evenly on the floor.

- 1. Park the machine on a level surface and lower the squeegee.
- Loosen the pivot bolts (Fig. 19/1) and adjust the squeegee using the adjusting nuts (Fig. 19/2) so that the ends of the squeegee blades contact the floor.

Figure A

Turn the adjusting nuts counterclockwise: The clearance between squeegee blade and floor is reduced in the center.

Figure B

Turn the adjusting nuts clockwise: The clearance between the squeegee blade and floor increases in the center

- Switch the machine on and check the suction pattern. When the machine is operating, the entire surface of the squeegee blades (center and outer areas) must be applied as evenly as possible.
- 4. Tighten the pivot bolts.

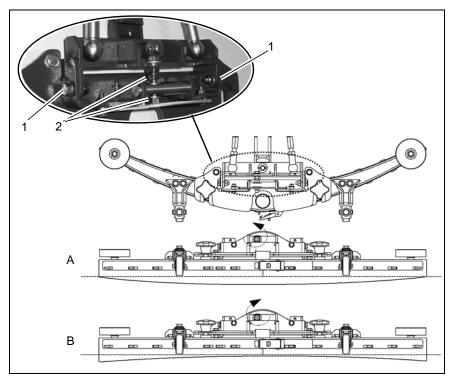


Fig.19

Height Adjustment

The height adjustment is set to 3 mm at the factory. If streaks are produced, despite an optimum angle adjustment, the clearance between the casters and floor must be adjusted by changing the number of washers on the holder.

In cases of very smooth floors, e.g. finished floors, PVC, linoleum, etc. Number of washers = 2. This corresponds to a clearance of approx. 2 mm.

In cases of very uneven floors, e.g. poorly laid tiles (water does not run off) Number of washers = 4. This corresponds to a clearance of approx. 4 mm.



The Squeegee 110 cm(7569 g) is equipped with two additional rollers which are adjusted at the factory to a distance of 10 mm to the floor by means of spacers.

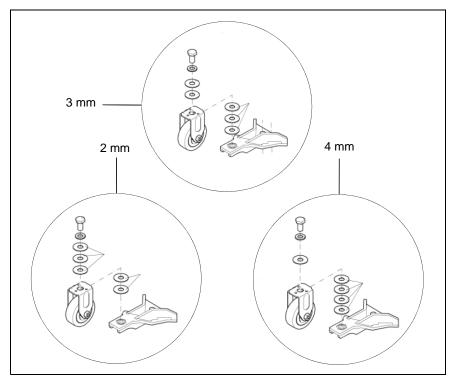


Fig.20

7.8.4 Adjusting lift mechanism

The squeegee lift mechanism lifts and lowers the squeegee, adjusts the angle, as well as controls the parallel motion.

The squeegee mechanism is pre adjusted at the factory for optimal performance (Fig. 21).

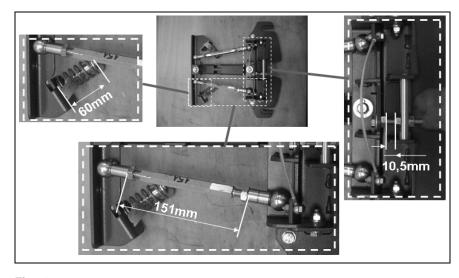


Fig.21

7.9 Machine Lubrication

Regularly scheduled lubrication of certain machine parts should be performed to insure trouble-free operation of the machine.

The grease points are listed below:

- Rear squeegee caster axle (2)
- Steering wheel chain sprockets and idlers
- Squeegee lift mechanism joints and pivot points (Fig. 22/X)

Apply lubricant or light machine oil to lubricate the:

- Rear squeegee general pivot points
- Scrub deck linkages
- Drive wheel assembly seals

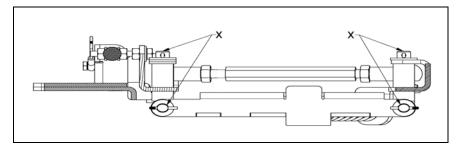


Fig.22

Notes	
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Problem	Possible Cause	Remedy
Poor water pick-up	Worn or torn squeegee blades	Rotate or replace blades
	Squeegee out of adjustment	Adjust so blades touch floor evenly across entire width
	Recovery tank full	Empty recovery tank
	Recovery tank drain hose leak	Secure drain hose cap or replace
	Recovery tank lid gasket leak	Replace gasket lid cover properly
	Debris caught in squeegee	Clean squeegee
	Vacuum hose clogged	Remove debris and flush hose
	Using too much solution	Adjust solution control valves
	Vacuum hose to squeegee or recovery tank disconnected to squeegee or damaged	Reconnect or replace squeegee hose
Poor scrubbing performance	Worn brushes	Rotate or replace brushes
	Wrong brush or cleaning chemical	Consult Minuteman
	Debris caught on scrub brushes	Remove debris
	Moving machine too fast	Slow down
	Low battery charge	Recharge batteries
No solution to off-aisle wand spray jet	Solution tank empty	Refill solution tank
No FWD/REV drive	Drive system speed controller.	Check error fault codes

Problem	Possible Cause	Remedy
Inadequate solution flow or no solution to the floor	Solution tank empty	Fill solution tank
	Recovery tank full	Empty recovery tank
	Solution lines, valves, filter or spray jets clogged	Flush lines, and clean solution filter and spray jets.
	Solution solenoid valve	Clean or replace valve
Machine does not run	Operator seat safety switch	Operator has to be seated.Check for open circuit
	Main system controller	Check error fault codes
	Tripped 100 amp circuit breaker	Check for an electrical short circuit. Reset machine: Reset breaker and turn key switch off and restart.
Vacuum motor does not turn on	Recovery tank full	Empty recovery tank
	Excessive foaming in recovery tank.	Empty recovery tank.Use less or change chemical. Use defoaming agent.
	Five LEDs flashing on Battery Gauge	Check for motor overload. Reset machine: Turn key switch off and restart.

Notes	

Notes	

PowerBoss Incorporated Made Simple Commerical Limited Warranty

PowerBoss International, Inc. warrants to the original purchaser/user that the product is free from defects in workmanship and materials under normal use. PowerBoss will, at its option, repair or replace without charge, parts that fail under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals. All warranty claims must be submitted through and approved by factory authorized repair stations.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as belts, cords, switches, hoses, rubber parts, electrical motor components or adjustments. Parts not manufactured by PowerBoss are covered by and subject to the warranties and/or guarantees of their manufacturers. Please contact PowerBoss for procedures in warranty claims against these manufacturers.

Special warning to purchaser -- Use of replacement filters and/or prefilters not manufactured by PowerBoss or its designated licensees, will void all warranties expressed or implied. A potential health hazard exits without original equipment replacement.

All warranted items become the sole property of PowerBoss or its original manufacturer, whichever the case may be.

PowerBoss disclaims any implied warranty, including the warranty of merchantability and the warranty of fitness for a particular purpose. PowerBoss assumes no responsibility for any special, incidental or consequential damages.

This limited warranty is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. Customers outside the U.S.A. and Canada should contact their local distributor for export warranty policies. PowerBoss is not responsible for costs or repairs performed by persons other than those specifically authorized by PowerBoss. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equip-ment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of the product.

PowerBoss Incorporated Made Simple Commercial Limited Warranty

If a difficulty develops with this machine, you should contact the dealer from whom it was purchased.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Cord Electric Group 3 years parts, 2 years labor, 90 days travel (Not to exceed 2 hours)

Exceptions Port-A-Scrub: 1 year parts, 6 months labor, 10 years Poly

Rapid Air Blower: 1 year parts, 1 year labor, 10 years Poly

Phenom Dual Motor Upright Vacuums: 1 year parts, 1 year labor

Explosion Proof Vacuum: 1 year parts, 1 year labor

CBox, HBox & TRS 14: 1 year parts, 1 year labor, 10 years Poly

E17 & E20 Electric Scrubbers: 3 years parts, 2 years labor, 10 years Poly

Battery Operated Group 3 years parts, 2 years labor, 10 years Poly, 90 days travel(Not to exceed 2 hours)

Sweepers 1 year parts, 1 year labor, 90 days travel (Not to exceed 2 hours)

Internal Combustion Group 1 year parts, 1year labor, 90 days travel (Not to exceed 2 hours)

Replacement Parts 90 days

Batteries 0-3 months replacement, 4-12 months pro-rate

Polypropylene Plastic Tanks 10 year warranty, no additional labor



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