

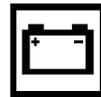
BU800

Instructions for use

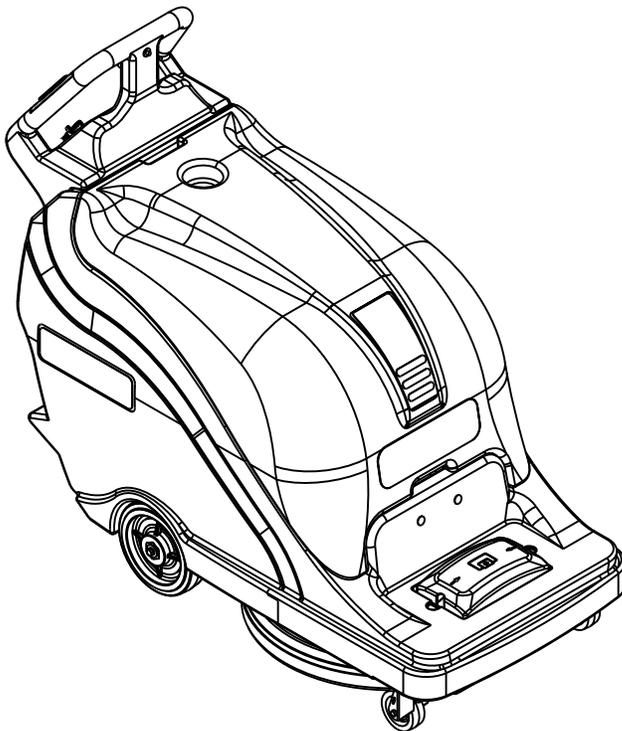
Instructions for Use
Original Instructions
Instrucciones de uso
Mode d'emploi



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Form no. 56091105



EN -English
ES -Español
FR -Français



Model:
56383526 (51BT)

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IMPORTANT SAFETY INSTRUCTIONS

This machine is only suitable for commercial use, for example in hotels, schools, hospitals, factories, shops and offices other than normal residential housekeeping purposes.

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



Read all instructions before using this appliance.

⚠ WARNING!

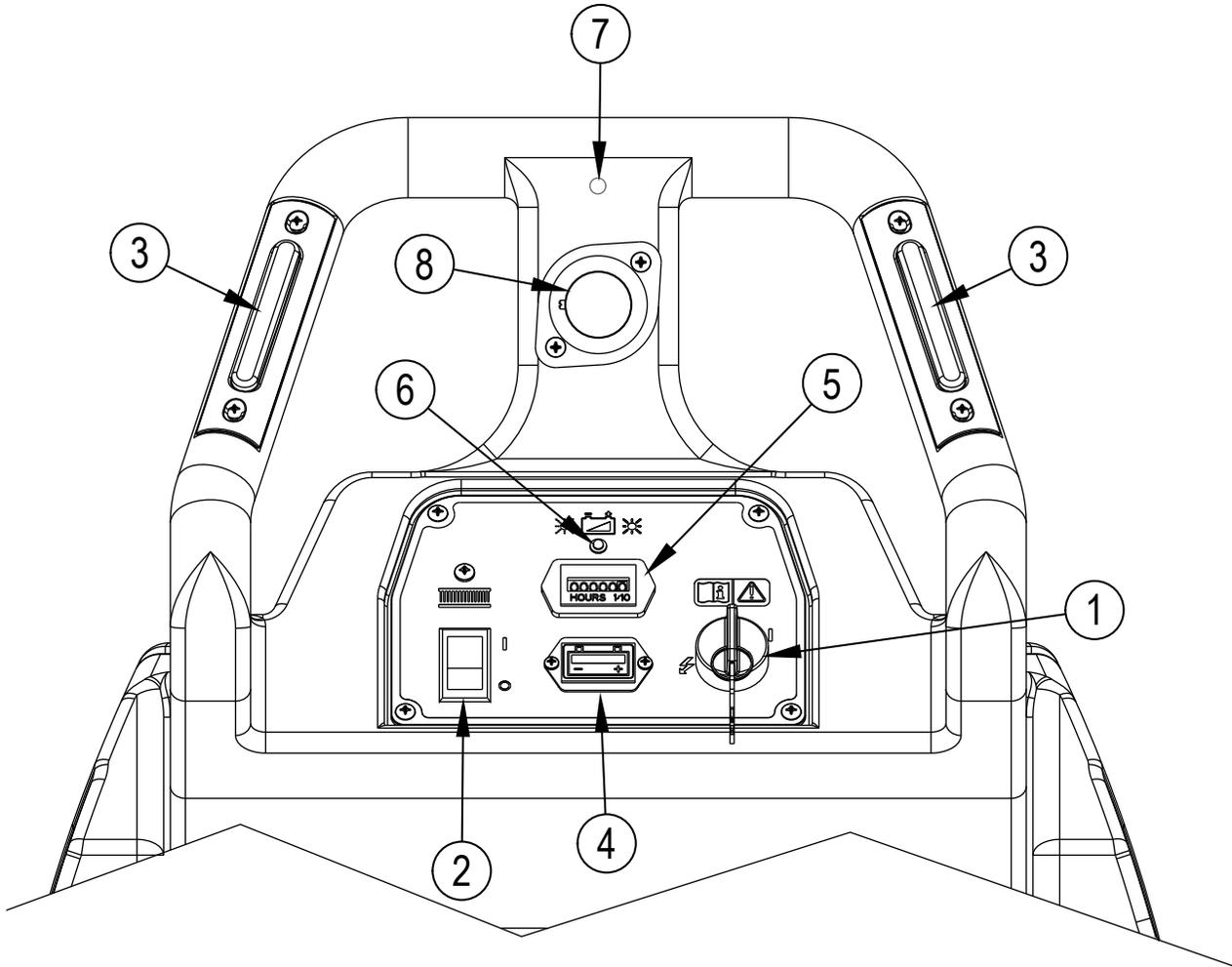
To reduce risk of fire, electric shock, injury or property damage, read all instructions before using.

- * This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- * While on ramps or inclines, avoid sudden stops. Avoid abrupt sharp turns. Use low speed down ramps.
- * Do not operate this machine until it is completely assembled. Inspect the machine carefully before operation.
- * 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.
- * Lead acid batteries generate gases which can cause an explosion. Keep sparks and flames away from batteries. Do not smoke around the machine. Charge the batteries only in an area with good ventilation. Make sure that you unplug the AC charger from the wall outlet before disconnecting from the machine.
- * Waste Disposal Method: Dispose as hazardous waste. Observe all federal, state and local environmental regulations for acid or lead scrap. Send batteries to lead smelter for reclamation following applicable federal, state and local regulations.
- * Working with batteries can be dangerous! Always wear eye protection and protective clothing when working near batteries. Remove all jewelry. Do not put tools or other metal objects across the battery terminals, or the tops of the batteries.
- * Using a charger with a damaged power cord could result in an electrocution. Do not use the charger if the power cord is damaged.
- * Operating this machine from anywhere other than the back of the machine could result in injury or damage.
- * This machine is heavy. Get assistance before attempting to transport or move it. Use two able persons to move the machine on a ramp or incline. Always move slowly. Do not turn the machine on a ramp. If operating machine on a gradient over 2%, do not stop, turn, or park.
- * Machines can topple over if guided over the edges of stairs or loading docks and cause injury or damage. Stop and leave this machine only on a level surface. When you stop the machine, turn the key "OFF".
- * Alterations or modifications not authorized by the manufacturer voids any and all warranties and liabilities and could result in damage to the machine or injury to the operator or other bystanders.
- * Maintenance and repairs performed by unauthorized personnel could result in damage or injury.
- * Keep the electrical components of the machine dry. Wipe the machine down after each use. This machine shall be stored indoors only. This machine is for indoor use only.
- * This machine is for dry use only.
- * Read all machine labels before attempting to operate. Make sure all of the labels and instructional information are attached or fastened to the machine.
- * Use only commercially available floor cleaners and waxes intended for machine operation. Do not use flammable materials.
- * The machine has to be disconnected from its power source during cleaning, servicing or maintaining the machine, replacing parts or converting to another function, by safely disconnecting a battery cable from one of the positive battery terminals.
- * Use of this machine to move other objects or to climb on could result in injury or damage. Do not use this machine as a step or furniture. Do not ride on this machine.
- * Your machine warranty will be voided if anything other than Nilfisk parts are used on your machine.
- * Observe the Gross Vehicle Weight, GVW, of the machine when loading, driving, lifting or supporting the machine.
- * Children should be supervised to ensure that they do not play with the appliance.
- * Do not use on surfaces having a gradient exceeding that marked on the machine.
- * Use extreme CAUTION when operating this burnisher. Be certain that you are thoroughly familiar with all of the operating instructions prior to using this burnisher. If you have any questions, contact your supervisor or your local Nilfisk Dealer.

SAVE THESE INSTRUCTIONS

KNOW YOUR MACHINE

- 1 On/Off Key Switch
- 2 Pad Power Switch
- 3 Pad / Traverse Switches
- 4 Battery Meter
- 5 Hour Meter
- 6 Battery Charger Indicator
- 7 Traverse Reverse
- 8 Traverse Speed Control



INTRODUCTION

This manual will help you get the most from your Nilfisk burnisher floor machine. Read it thoroughly before operating the machine.

This battery powered walk-behind burnisher with a 1500 rpm pad speed is used for restoring and maintaining a high gloss shine on smooth and solid floors. Features include on-board battery charger also passive and (optional) active dust control.

This product is intended for commercial use only.

PARTS AND SERVICE

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

MODIFICATIONS

Modifications and additions to the cleaning machine which affect capacity and safe operation shall not be performed by the customer or user without prior written approval from Nilfisk A/S. Unapproved modifications will void the machine warranty and make the customer liable for any resulting accidents.

NAME PLATE

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

MODEL NUMBER _____

SERIAL NUMBER _____

UNCRATE THE MACHINE

When the machine is delivered, carefully inspect the shipping carton and the machine for damage. If damage is evident, save the shipping carton so that it can be inspected. Contact the Nilfisk Customer Service Department immediately to file a freight damage claim (phone number is provided on the back cover of this manual).

PREPARING THE MACHINE FOR USE

WARNING!

Use extreme caution when working with batteries. Sulfuric acid in batteries can cause severe injury if allowed to contact the skin or eyes. Explosive hydrogen gas is vented from inside the batteries through openings in the battery caps. This gas can be ignited by any arc, spark or flame.

WHEN SERVICING BATTERIES....

- Remove all jewelry
- Do not smoke
- Wear safety glasses
- Work in a well-ventilated area
- Do not allow tools to touch more than one battery terminal at a time.

CAUTION!

Electrical components in this machine can be severely damaged if the batteries are not installed and connected properly. Batteries should be installed by your local Nilfisk dealer or by a qualified electrician.

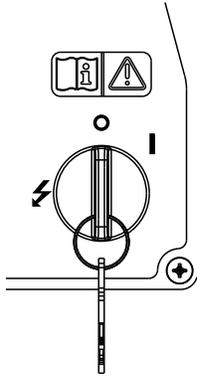
The BU800 may be used with three 12 volt 200 amp hour batteries or three 12 volt 234 amp hour AGM batteries.

CAUTION!

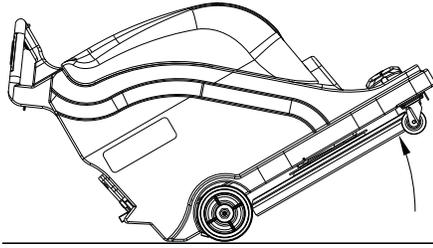
The battery charger must be reprogrammed when switching from lead acid to AGM batteries. See the Charger Manual for instructions.

C

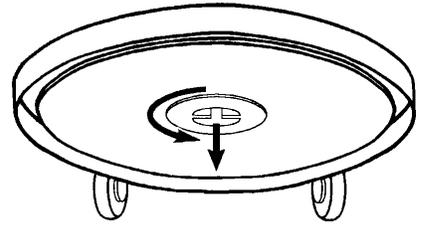
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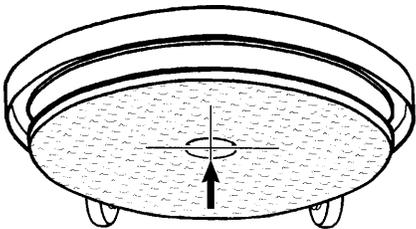
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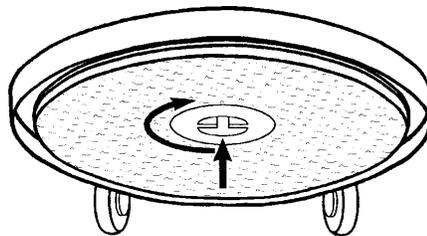
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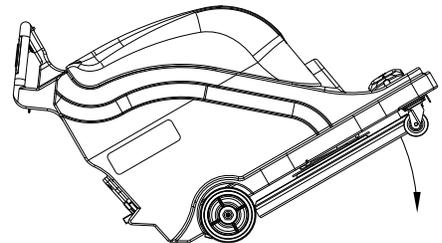
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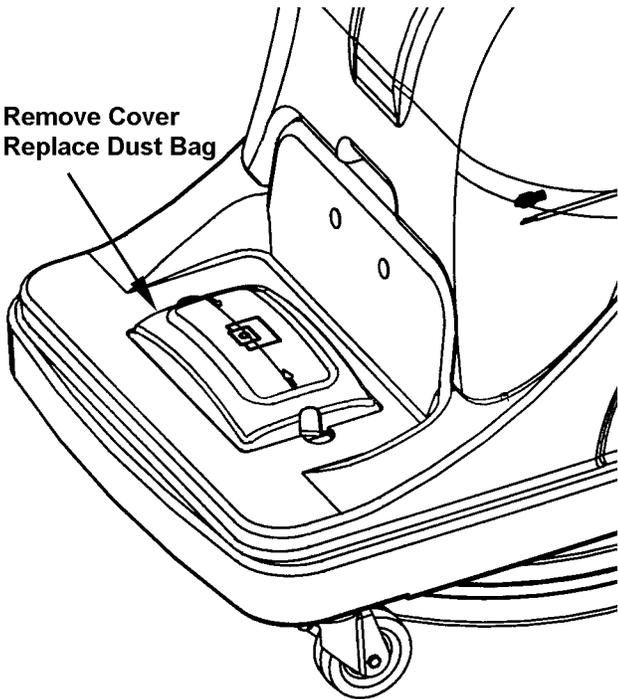


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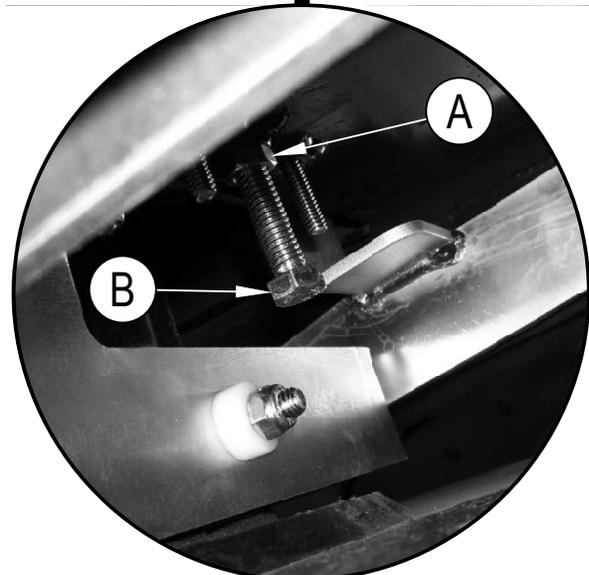
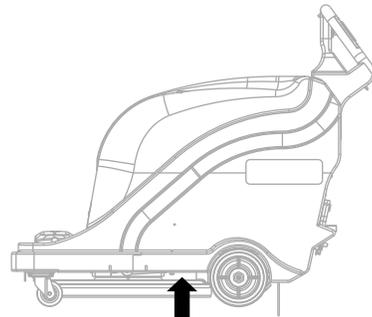


D

Remove Cover
Replace Dust Bag



E

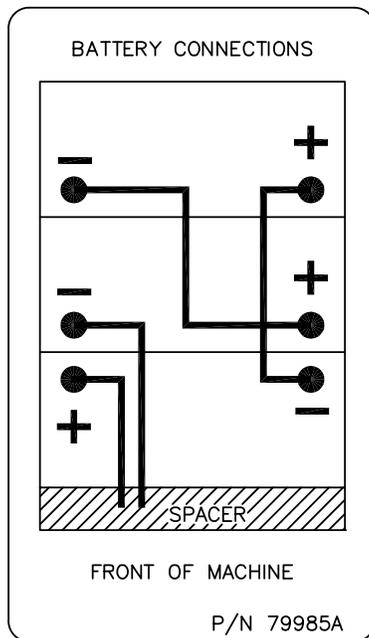


PREPARING THE MACHINE FOR USE

(B)-INSTALLING THE BATTERIES

- Carefully lift the batteries into the battery tray. Arrange as shown in Figure B.

B



- Make sure the key switch is in the OFF position.
- Install the battery cables as shown in figure B, with the terminals marked "P" on the positive battery posts and the terminals marked "N" on the negative battery posts. Position the cables so that the caps can be easily removed when it is necessary to add water to the batteries.
- Tighten the nut on each battery terminal just enough to keep the terminal from being turned on the battery post. Then tighten the nut one more full turn.
- Coat all the terminals and posts with grease, petroleum jelly or spray-on battery coating (available at most auto parts stores).
- Put on the black rubber "boots" over each of the terminals and use the plastic tie straps to hold them in place.
- Join the connector from the battery pack to the connector on the control panel.
- Reassemble machine.

NOTE: Charge the batteries before using the machine.

(C)-PAD INSTALLATION

Your local Nilfisk distributor can provide the proper pads and floor finishes for use with this machine.

⚠ CAUTION!

Using the wrong kind of pad on this machine can damage the floor. The pad must be centered properly on the pad holder to prevent machine vibration.

For pad installation, follow the steps below (see steps 1 - 6 in Figure C):

- Turn the key switch off.
- Put the machine in the position shown, to access the pad retainer.
- Go to the front of the machine. While holding the pad retainer with one hand, rotate the pad and pad driver counter clockwise to loosen the pad retainer.
- Remove the old pad and install a new one, being careful to center it on the pad driver.
- Retighten the pad retainer as tight as possible.
- Raise the back of the machine to lower the pad housing by lifting as shown.

(D)-DUST BAG INSTALLATION

Your local Nilfisk distributor can provide the proper pads and floor finishes for use with this machine.

⚠ IMPORTANT!

Install dust collector bag on top of control housing (see Figure D). The dust collection system will not operate properly if the collector bag is full or torn.

(E)-ADJUSTING PAD PRESSURE

The pad pressure is set at the factory for optimal burnishing with most pad and finish combinations. If unique pad or finish conditions require pad pressure adjustments, adjust by following the procedure below. NOTE: Pad pressure adjustments should be performed by a qualified service technician.

- Turn key switch off (O).
- From underneath burnisher, loosen jam nut (A).
- To decrease pad pressure, turn bolt (B) clockwise.
- To increase pad pressure, turn bolt (B) counterclockwise.
- Re-tighten jam nut (A).

MAINTENANCE

AFTER USE

After working, before leaving the machine:

- 1 Store the machine in a clean and dry place, indoors only.
- 2 Park the machine on a level floor. Ensure once the machine is left unattended it is secured against unintentional movement.
- 3 Turn the Key Switch (1) to the OFF position (O).
- 4 Remove the key from the machine to prevent unauthorized use of the machine.
- 5 Perform the daily maintenance procedures (see the Maintenance schedule).

MAINTENANCE SCHEDULE

Maintenance Item	Daily	Monthly	Yearly
Charge Batteries	x		
Check/Replace Dust Bags	x		
Check/Replace Skirt	x		
Clean Pad	x		
Lubrication		x	
Check/Service Pad Motor Brushes		x	
Service Drive Motor Brushes			x

BATTERY MAINTENANCE

Charge the batteries each time the machine is used for 1 hour or longer, or whenever the Battery Meter reads in the red area.

To Charge the Batteries...

- 1 Remove cover.
- 2 Plug charger in.
- 3 Check the fluid level in all battery cells after charging the batteries. Add distilled water, if necessary, to bring the fluid level up to the bottom of the filler tubes.

CAUTION!

To avoid damage to floor surfaces, wipe water and acid from the top of the batteries after charging.

CAUTION!

Acid can spill onto the floor if the batteries are over-filled.

IMPORTANT

Motor damage resulting from failure to service carbon brushes is not covered under warranty. See the Limited Warranty statement.

SPECIFICATIONS

Model	BU800 51BT
Model Number	56383526
Power Supply	36 volt
Motor, Pad	1.5 kW (2.0 hp) 55 amp
Motor Traction	.37 kW (.5 hp) PM
Drive System	Direct Drive
Pad	51cm (20")
Pad Speed	1500 rpm
Pad Pressure	Automatic
Speed, Forward	0 - 73 m/min (0-240 ft/min)
Speed, Reverse	0 - 52 m/min (0-170 ft/min)
Vibration	<7.6 mm/s
Sound Level (dbA)	68
Drive Wheel	4cmx20cm (1.62"x8.00")
On-board Charger	Standard 36V, 21A
-AC Input	100-240V ~ 50/60Hz 12-6A
Length	127cm (50 inches)
Width	58cm (23 inches)
Height	105cm (41.25 inches)
Burnishing Swath	51cm (20 inch)
Polishing Rate	2230 sq. m/hr. (24,000 sq. ft/hr)
Weight (w/o batteries)	79 kg / 174 lbs.
Gross Vehical Weight (GVW)	233 kg / 515 lbs.
Gradeability - Cleaning (max.)	2%

TROUBLESHOOTING

MACHINE VIBRATION

- 1 Pad is not centered properly.
- 2 Defective pad. Replace.

SWIRL MARKS

- 1 Pad is too aggressive for the floor finish.
- 2 Pad is dirty, Check and replace.

REDUCED RUNNING TIME

- 1 Battery needs to be charged.
- 2 Batteries need water. Add just enough to cover the plates in each cell. Then charge the batteries and check the water level again.

ACCESSORIES / OPTIONS

In addition to the standard components, the machine can be equipped with the following accessories/options, according to the machine specific use:

- Burnishing Pads
- Active Vac Kit
- Dust Bag
- Round Motor Protection Filter
- Exhaust Filter
- Cloth Dust Bag-Reusable/Shake Out



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