



OWNERS MANUAL FOR THE ST40BT SWEEPER



Before operating this machine, be sure to fully read the owners manual.



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OVERVIEW

Quick, extremely manoeuvrable and yet capable of handling large areas, the ST 40BT is an excellent choice for retail, health care, education, hospitality, casinos and office environments. Its low 62 dB noise level allows for day-time cleaning and the 9 brush settings make it capable of cleaning virtually any surface including all types of hard floors along with carpet and textured flooring.

GENERAL PRECAUTIONS

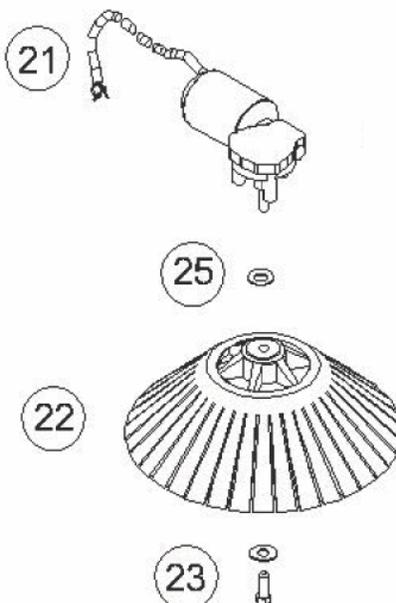
- ▶ The battery supplied with this unit is a sealed lead acid (SLA) battery that requires no maintenance.
- ▶ Do not attempt to open the battery at any time as it will damage the battery.
- ▶ Do not use this machine in the presence of flammable liquids or gasses.
- ▶ Do not use this machine on wet surfaces
- ▶ Do not attempt to pick up toxic materials, oils, or chemicals.
- ▶ Do not pick up lighted cigarette ends or any other material that could cause combustion of debris inside of the hopper.

Minimum working temperature: -20°C (-4°F)

Maximum working temperature: +40°C (+104°F)

UNPACKING AND SETUP OF THE MACHINE

1. Remove the packing material and set the machine on the floor.
2. Open the debris hopper located in the rear of the machine and you will find the side broom inside.
3. Unscrew the bolt and washers from the bottom side of the gear motor shaft and assemble the side broom to the gear motor as indicated below. The bolt should be hand tight plus ¼ turn with a wrench.



UNPACKING AND SETUP OF THE MACHINE (CONT'D)

4. Remove the 4 allen screws holding the grey cover to the frame.
5. Remove the cover to expose the battery compartment as shown in Fig 2 below.

Fig 1

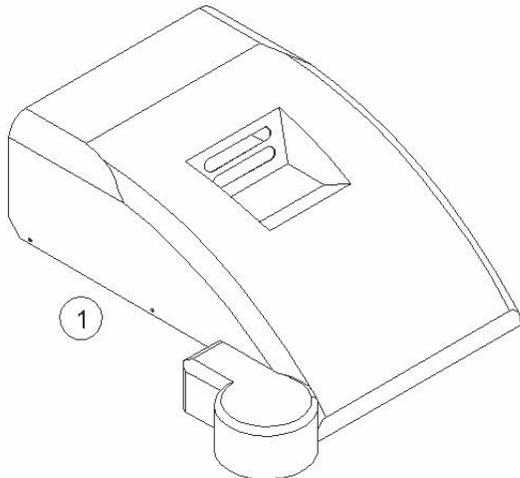
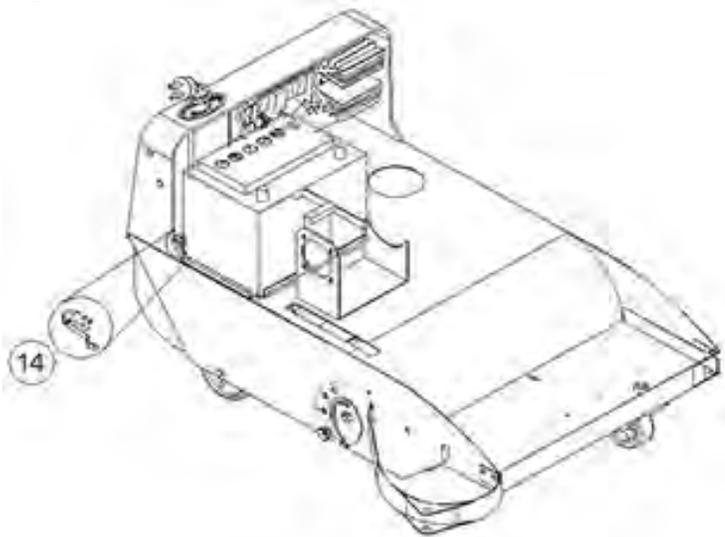


Fig 2



6. Once the cover is removed, you must connect the battery cables to the battery. When connecting the battery terminals, do not reverse the polarity. Ensure that the red wire goes to the + terminal and the black wire goes to the - terminal on the battery.

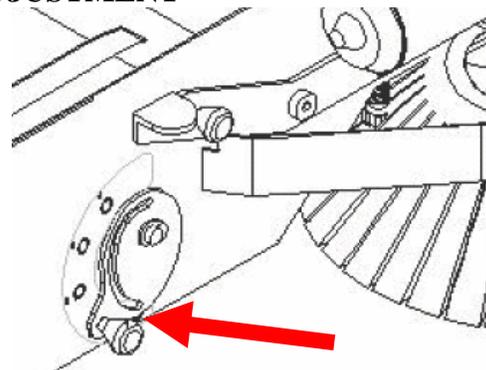
NOTE: If the polarity of the battery cables is reversed, the battery and charger can suffer severe damage. The battery connection may only be made by qualified personnel.

NOTE: Once the battery connection is made, the machine will not run until the cover and 4 allen screws are back in place. This is done as a safety precaution to prevent bodily injury from the rotating belts and motors. **DO NOT** try to override this safety feature.

MAIN AND SIDE BROOM ADJUSTMENTS

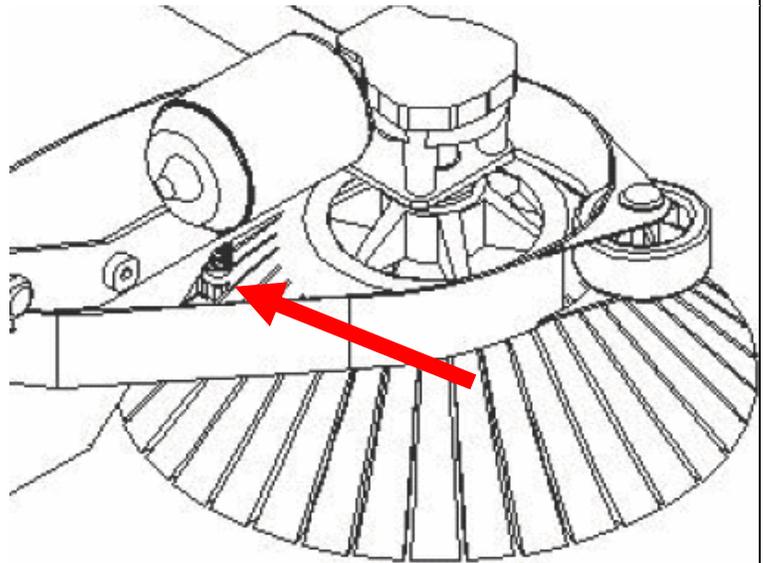
MAIN BROOM ADJUSTMENT

The main broom adjustment is located on either side of the machine as indicated by the arrow on the figure to the right. To adjust the height of the main broom, pull on the knob and move the slider up or down. This adjustment must be the same on both sides as the main broom must be level while operating.



SIDE BROOM ADJUSTMENT

The side broom is easily adjusted by turning the knob indicated in the picture to the right. Turning the knob clockwise lowers the side broom and counter-clockwise raises the side broom.



STARTUP AND OPERATION

DESCRIPTION OF THE CONTROLS



1



2



3



4

1. Push button filter shaker
2. Main switch
3. Side broom switch
4. Suction switch

1. Switch the main broom on using the switch indicated. You will see a green LED on the control panel which indicates normal operation of the main broom.



2

2. Switch the side broom on using the switch indicated. Once on, the side broom will start immediately.



3

3. Switch the suction fan motor on using the switch indicated. Once on, you will hear the suction fan running.



4

4. Once you have completed sweeping the area and are ready to put the machine away, press the filter shaker button to knock off any debris or dust from the filter.



NOTE: When the filter shaker button is pressed, all other functions will stop until the shaker button is released.

BATTERY

When the battery reaches a discharged state, a red LED indicator will come on to indicate that the battery needs to be charged. When this indicator comes on, the machine should be plugged in to charge. Leaving the battery in a discharged state can damage the cells inside, greatly reducing the life of the battery.

NOTE: The battery in this machine is maintenance free sealed lead acid (SLA) battery and requires no maintenance other than regular charging. If the machine is going to be stored for long periods of time, we recommend that you bring the battery to a fully charged state and disconnect the battery terminals.

BATTERY CHARGER

The ST40BT comes with an on-board charger. The cable is located on the rear right side from the operator's perspective and is tucked inside the body for storage.

A complete recharge takes approximately 10 hours to complete. During the charging cycle, all functions are disabled.

MAINTENANCE

1. After every use, use the filter shaker to knock any debris off of the filter.
 2. Empty the hopper into a garbage bag wearing the appropriate apparatus (Gloves, respirator).
 3. Re-install the hopper on to the machine and plug the machine in to charge.
- ▶ Periodically check that the main broom is making proper contact with the floor. If the main broom is in the lowest setting and is not making contact with the floor, replace the main broom.
 - ▶ Periodically check the condition of the side broom. If the bristles are worn or the shape of the side broom is distorted, replace the side broom.
 - ▶ Periodically check the condition of the filter. The filter can be removed (as shown in fig 3 below) and blown out with compressed air. If this does not clean the filter, replace the filter with a new one.

Any maintenance procedures other than the ones listed above may only be carried out by qualified service personnel.

Fig 3

