

**JP-1400**  
**Ride-On Sweeper**  
**USER MANUAL**



## A Brief Introduction



### ATTENTIONS!

#### Manual Purpose and Content

This manual is intended to provide operators with all information that they must know about the correct, safe and independent use of the equipment. It includes technical data, safety, operation, storage, repair, spare parts and scrapping. Both operators and qualified technicians must read this manual carefully before performing any operation on the equipment. If you have any questions about the explanation or need further information, please contact the manufacturer.

#### Objective

This manual is used to assist qualified operators and technicians in maintaining the machine. Operators shall not perform operations that should be performed by qualified technicians.

#### How to save the manual

The user manual must be kept around the machine, packed in suitable boxes, away from liquid or other substances that may cause damage to the manual.

Identification of the Data

Machine model and serial number are marked on the sign.

The machine model year is written on the standard declaration of compliance, and the first two numbers of the machine serial number also indicate that year.

Serial number.

This information helps to find the required parts. Use the table below to write down the machine identification data.

Machine model:
Machine Serial Number:

#### Other reference manuals

Other random manuals:

- — Electronic Battery Charger Manual (if equipped), considered part of the
- — sweeper spare parts list

#### Spare Parts and Repair

All necessary operation, maintenance and maintenance procedures shall be carried out by qualified personnel or manufacturer service centers.

Original equipment parts and accessories must be used.

If manufacturer provides repair service or order spare parts and accessories, detail equipment model and serial number.

Change and Improvement

The manufacturer constantly conducts product upgrading and reserves the right to independently change and improve the product, and has no obligation to update and upgrade the sold machines.

The changes and / or additions of the accessories shall be approved by the manufacturer and operated by the manufacturer's personnel.

#### Operational Performance

The sweeper and production are designed to clean / clean flat and rugged ground in human and industrial environments and remove dust and fine litter through the safe operation of qualified operators.

## Appendix I Main Circuit Fuse Description



1. The drives the machine to the level ground, press the brake, after the car stops and pull the hand brake to stop the brake.
2. Turn the key to the power-off position.
3. It is charged through an adaptive power connector connection.



**CAUTIONS!** Make sure the power supply voltage used matches the frequency and voltage values displayed on the charger.



**ATTENTIONS!** the machine is disabled when the battery charger is connected to the power supply.

Refer to the charger operating instructions for charging-related operations.

## Machine fault and troubleshooting

Fault:	Possible problems	Solutions
Key is in the "on" position, the machine does not start	Battery connector is disconnected.	Reconnect to the battery
	Battery charger input is connected to the power supply	Remove the battery charger plug from the power supply
The machine does not start when the pedal is pressed	Parking brake is open	Release the parking brake
	Hand brake is lifted, or damaged by brake pump stroke switch after key turning	Change the travel switch
Main brush is not working	Contactor is not turned on	Press the relevant switch to reset the contactor
Side brush is not working	The main brush was not dropped from the	Lower the master brush
	Contactor is not turned on	Press the relevant switch to reset the contactor
The machine works only when stationary, otherwise the power display red column has only four column lights on	Battery is exhausted	Charge the battery If the problem persists, please replace the battery
Low Battery Battery	Battery life off	Replacement of the battery
	Battery failure	Repair or replace it
<b>Note: For the drive system fault, to perform the fault detection, refer to the service manual</b>		

### General:

Forward, back, front, rear, left or right are relative to the operator, the perspective of the driver's seat.

### Delivery

Check the packaging and machine for damage in transport on delivery. For visible damage, keep the packaging condition and submit it to the carrier for inspection. Contact the carrier immediately for doubts.

Check the following features of the equipment:

- -Technical Documents:

Ride-on sweeper User's Manual

Battery charger manual

### Safety:

The following symbols indicate potential hazardous conditions. Read this information carefully and take the necessary protective measures to protect personnel and property.

The key to preventing injury requires the cooperation of operators. Without the cooperation of the personnel responsible for operating the machine, any accident prevention plan does not work. Most work or activities in the plant are caused by careful operator failure to comply with the simplest rules. A careful and prudent operator is the best guarantee against accidents and plays a key role in the successful implementation of the prevention plan.

#### Symbol



**DANGERS!** The symbol indicates a risk of possible operator death.



**CAUTIONS!** The symbol indicates potential dangers of personal injury and item damage.



**BE CARE!** This symbol reminds caution or attention to important or useful functions. Note the paragraph marked with the symbol.



**ATTENTIONS!** This symbol represents important or useful functions for attention.



**CONSULTATION!** This symbol indicates that you must refer to the user manual before performing any steps.

#### General Description

The following warnings or warnings of personal injury and machine damage.



**DANGERS!**

-Disconnect the battery connector, remove the ignition switch and stop the brake before performing maintenance, repair, cleaning, or replacement procedures.

-The machine is available for trained operators only. The machine is prohibited for children or disabled persons.

-Battery must be kept away from sparks, flame and hotter materials. During normal operation, the explosive gas is released.

- No jewelry accessories when working around electrical components.
- Do not work under the machine when raised and without a safety frame.
- If working under the open cover, make sure it does not close unexpectedly.
- Do not operate the machine near a toxic, harmful, flammable and / or explosive powder, liquid, or gas.
- Machine is not suitable for cleaning the hazardous powder.
- If the device is equipped with a lead (wet) battery, the battery charges with a lot of explosive hydrogen. So charge in a well-ventilated place, open the cover, away from the open fire.
- When the lead (wet) battery is mounted on this machine, do not tilt above its horizontal position of 30 ° to prevent highly corrosive acid from leaking from the battery. When you must tilt the machine to perform a service procedure, remove the battery first.



### WARNING!

- Read all instructions before any maintenance / repair process.
- Takes all the necessary precautions to prevent hair, jewelry or loose clothing from getting stuck in the running parts of the machine.
- If this machine is equipped with a lead battery (wet), prohibit smoking when charging.
- Before using the battery charger, make sure the supply voltage used matches the frequency and voltage values displayed on the machine serial plate.
- Do not pull or transport the machine by pulling on the cable on the battery charger, and do not use the battery charger electrical cable as a handle. Do not close the door on the battery charger cable, or pull out the battery charger cable and wrap it around sharp edges or corners.
- Do not run the machine on the battery charger cable. Keep battery charger cables away from thermally conductive surfaces.
- Do not charge if the battery charger cable or plug is damaged. Connect the Repair service center if charger or plug is damaged.
- To reduce the risk of fire, electric shock, or injury, do not leave the power source unattended. The battery charger connector must be disconnected from the main power supply before performing equipment repair.
- To avoid unauthorized use of the machine, remove the start key.
- The machine must not be left unattended until it is determined that it cannot move autonomously.
- Do not use the machine on slopes beyond the specified angle.
- Use the brush provided with the machine and specified in the user's manual. Using other brushes may reduce the safety factors.
- Close all doors or covers before using this machine.
- Do not use this machine in too dusty environments.
- Do not clean the machine directly with high pressure injection water or water flow, and do not clean the machine with corrosive substances.
- Do not use compressed air to clean this type of machine, except for the filter elements.
- When using this machine, be careful not to cause damage to other people, especially children.
- Do not place containers containing liquid on the machine.
- The storage temperature of this machine must be within 32 ° F to 104 ° F (0 ° C to + 40 ° C)
- The operating temperature of the machine must be within 32 ° F to 104 ° F (0 ° C to + 40 ° C)
- The humidity must be between 30% and 95%.
- Whether in working or non-working state, protect the equipment from the sun, rain and other harsh weather. Store the machine in a dry room. The machine must be used in dry conditions and cannot be stored or used outdoors in wet weather.
- Do not use the machine as a means of transportation, or as a push/pull tool.
- Do not use the brushes when the equipment is stopped to avoid damaging the floor.
- In the event of a fire, use a dry powder fire extinguisher instead of water as much as possible.
- Do not bump into shelves or scaffolding, especially places that risk landing.

9. Install the assembly in the reverse order upon removal.

### Baffle plate height and operation inspection

1. Drive the machine to the ground level to check the baffle height. Press the brake pedal and pull the hand brake pull lever to stop the brake.
2. Turn the key to the power-off position.

#### Side baffle inspection

3. Open the left and right doors;
  4. Check the integrity of the polyurethane side guards. If there is a cut (A) larger than 20 mm or a crack (B) larger than 10mm, replace the baffle.
  5. Check that the polyurethane side shield is within 0 to 3 mm (A, Figure15).
- If necessary, adjust the height of the baffle to meet the requirements.

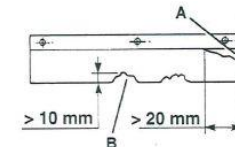


Figure 15

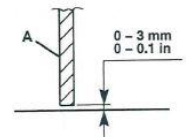


Figure 16

#### Front and rear baffle checks

6. Remove the main brush as shown in the relevant paragraph.
  7. Check the integrity of the front and rear panels.
- If there is a cut larger than 20 mm (A, B Figure 15) or a crack larger than 10 mm, replace the baffle.
8. Check the following:
    - The front baffle (Figure 16 B) should be approximately 2mm above the floor.
    - The rear baffle (A, Figure 17) touches the ground.
  9. Adjust the baffle height, if necessary.

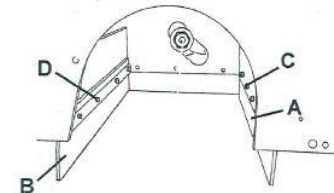


Figure 17

### Battery charging



**BE CARE!** At the end of each cleaning session, when the power display is less than 50%, please charge the battery and prolong its service life.



**ATTENTIONS!** Charge the battery as soon as possible or it will reduce its service life.



**ATTENTIONS!** If the machine is equipped with a lead (wet) battery, the recharging of the battery can generate highly explosive hydrogen gas. When charging the battery, choose a well-ventilated location away from open flames. Do not smoke while the battery is charging.



**WARNING!** Battery fluid may leak out when the wet battery is charged. The battery fluid is corrosive. If exposed to skin or eyes, rinse thoroughly with water and consult a physician.

This program applies to all types of brushes.

1. Follow the following steps to check the distance of the side brush from the ground:  
Drive the machine to the level ground and lower the side brush.  
Keep the machine stationary, drop the side brush, and run on for a few seconds.  
Lift the side brush, move the machine and close it off.  
Check the side brush sweep traces as shown in (A and B Figure 11).  
If the sweep traces are not within the normal range, adjust the brush height as shown in steps 2-7.
2. Press on the brake pedal and dial the hand brake pull lever to stop the brake;
3. Turn the power key to the "off" position;
4. Open the left-side door;
5. Adjust bolt A, to drop B to proper position (Figure 12);
6. Tighten the mating nut of bolt B (Figure 12);
7. Performs step 1 again, check the side brush height and adjust appropriately;
8. When the brush is too badly worn to adjust, replace it as shown in the relevant paragraph.

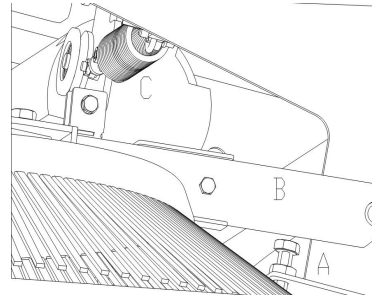


Figure 12

### Side brush replacement



**ATTENTIONS!** Brushes are available with harder or softer brushes..

The procedure applies to all types of brushes.



**BE CARE!** It is recommended to wear protective gloves when changing the main broom, as there may be sharp debris between the brushes.

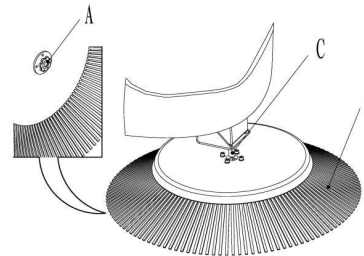


Figure 13

1. Drive the machine to the ground level, press the brake pedal and pull the hand brake lever to stop the brake.
2. Turn the power key to the "off" position.
3. Reach into the side broom, unscrew the flower nut (A, Figure 13), press down along the motor shaft (C), and remove the broom (B).
4. Align the motor shaft (C, Figure 13) with a new side brush and tighten the flower nut (A, Figure 13).
5. Check and adjust the side brush height as shown in the previous section.

### Dust filter cleaning and integrity inspection



**ATTENTIONS!** The procedure below apply for all types of filters.

1. Drive the machine to the ground level, press the brake pedal and pull the hand brake lever to stop the brake.
2. Turn the power key to the "off" position.
3. Unscrew the 8 flower-shaped nuts of the dust vibration rear cover;
4. Hold the upper and lower folds by hand, pull out, and pull out the filter barrel.
5. There are 6 internal hexagon screws in the filter bucket, unscrew and remove the filter bucket;
6. Cleaning by blowing with a maximum 6 bar of compressed air (Figure 14) with a minimum distance of 30 cm;
7. Inspect the filter for cracks. Replace the filter, if necessary;
8. Clean the rubber gasket on the dust box, check its integrity and tightness; if necessary, Replace it;

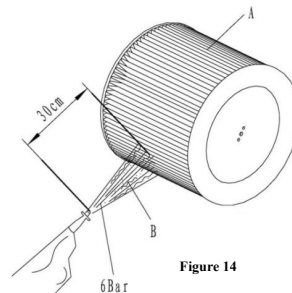
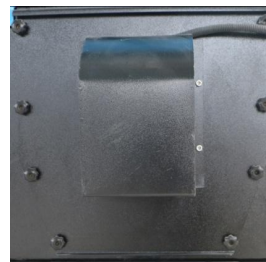


Figure 14

- Do not hit shelves or scaffolding, especially in locations where there is a risk of falling objects.
- Adjust the appropriate working speed according to the road conditions.
- Do not break machine safety guards.
- Strictly follow daily maintenance procedures.
- Do not remove or modify the nameplate affixed to the machine.
- In the event of a machine failure, eliminate the cause of lack of maintenance before requesting assistance from authorized personnel or an authorized service center.
- If replacement parts are necessary, order genuine parts from an authorized dealer or retailer.
- To ensure proper and safe operation of the machine, regular maintenance procedures must be carried out by authorized personnel or an authorized service center in accordance with the relevant sections of this manual.
- The end of life of the machine must be properly disposed of, as the machine's toxic and hazardous materials (batteries, oil, etc.) must be disposed of at specific centers in accordance with regulations.

### Control panel

**Power key (Figure 1 Turning to the "off" position, the machine turns off and stops all functions; power on when turning to the "on"; turn one gear clockwise, the headlight switch on and the front two headlights turn on.)**



Figure 1

Steering switch (Figure 1 switch to the left, left rear yellow lights flashing; switch to the right, right rear yellow lights flashing; placed in the middle, yellow lights at the left and right rear are not on)

Horn switch (Figure 1 Press the horn switch, horn sounds; release switch and cancel horn sound)

Mode switch (Figure 1), main brush, side brush, fan are on when the working button is on  
Parts are ready in place to sweep the floor.

The dust vibration button must be closed before pressing, otherwise invalid, the dust vibration device shall be controlled in effect.

The power display (Figure 1) and the steering light record the power display, with less than four red columns, indicating the battery needs to be charged when the power is low. It reminds the steering light to flash when the steering light is flashing.

When the sprinkler button (Picture 2) is turned on, the water pump is started, and if the sprinkler valve (under the tank) is opened, the sprinkler works.



Figure 2

As right (Figure 2), the left first gear pedal, the middle brake pedal, and the right accelerator pedal.

The gear (Figure 2) hangs in D, press the accelerator and the car forward;  
Hang in the N gear, that is, the neutral gear, also known as the parking gear, and the accelerator will not work.  
The gear hangs into R, press the accelerator and the car moves backwards.

Right picture is (Figure 2) Hand brake lever, which must be pulled up when the car stops working or



Figure 3

charging, the handbrake must be released during moving forward, backward or sweeping the floor.

Figure right (Figure 3) shows the water tank injection, unscrew the outer hexagon cover and inject clean water (optional).

Figure 4 shows the rear axle drive. If the chain is found to be loose after a long-term inspection, tighten the chain by the following methods. First loosen screw A and screw B, and then screw up screw C. At this time, the chain is gradually tightened. After reaching the appropriate position, fix the nut of screw C, and finally fix screw A and screw B respectively.

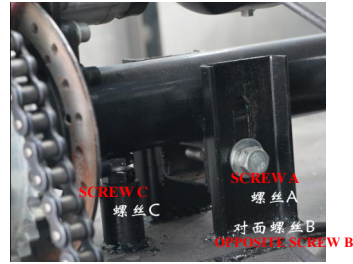


Figure 4

As shown in Figure 5, loosen the tensioner to pull out the trash can to clear the trash. When recharging the sweeper, please connect the power supply to the charging socket. To clean the filter bucket, after loosening the bakelite nut around the vibrating motor, you can pull out the filter bucket.

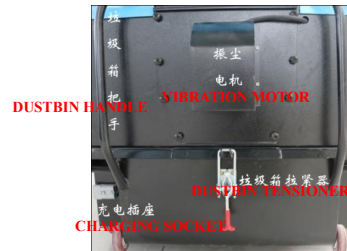


Figure 5

## Technical parameters

<b>Electrical system</b>	
Voltage:	48 V
<b>Side brush</b>	
Type	Vertical hollowed-out-type polyester material
Location	Right, left, in front of the main broom
Diameter	500 mm
Drive:	100 watts, electric
Wear adjustment	Manual:
Structure	Overall disposable polyurethane material
<b>Dustbin</b>	
Capacity	180 L
Structure	Buckle
Dustbin mode	Manual:
Transmission wheel	Two sides of the bin

magnet, the side door will automatically adsorb, completing the operation of closing the side door. The method of opening and closing the right door is the same.

5. Adjust the bolt B to limit the adjustment height of the main brush (Figure 7).

To raise broom A, adjust bolt B up;

To lower the broom A, adjust the bolt B to the proper position. After adjustment, tighten the nut at B.

6. Repeat step 1 again to check the main brush height and make proper adjustments.

7. When the brush is too badly worn to adjust, replace it as shown in the next paragraph.



**BE CARE!** If the main brush sweeping marks is too large by 4 cm, the normal operation of the machine will be affected, and the moving parts or electrical parts may overheat, thus reducing the service life of the machine. Please perform the above checks carefully and always use the machine under the specified conditions.

## Main brush replacement



**ATTENTIONS!** Brushes are available with harder or softer brushes.



The procedure applies to all types of brushes.

**BE CARE!** It is recommended to wear protective gloves when changing the main broom, as there may be sharp debris between the brushes.

1. Drive the machine to a level surface, depress the brake pedal and pull up the handbrake lever to park the brake.
2. Confirm to close the work button.
3. The turns the power key to the "off" position.
4. Opens the left-side door (9)
5. Unscrew the B (air spring as a selector) connection screws.
6. Unscrew inner hexagon screws # 1,2,3 (Figure 8) to pull out accessory A.
7. Unscrew nuts No. 4,5,6 and 7 (Figure 8) and pull out the edge cover.
8. Unscrew nuts No. 8,9,10,11,12 (Figure 8) and pull out the fitting semicircular.
9. Remove the Brush A.
10. Check that there is no dirt or accidentally rolled up foreign objects (ropes, rags, etc.) in the drive hub. Check the cleaning of the main brush arc plate, and remove it if any dirt.
11. The bristles of the new main brush must be bent as shown (Figure 10).
12. Install a new master brush (C, Figure 10) and ensure that the D and the associated drive hub (A) fit.
13. Install the semicircular plate and install the fittings in reverse from steps 5 to 8.
14. Close the left-side door.
15. Check and adjust the main brush height as shown in the previous paragraph.

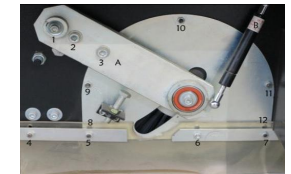


Figure 8

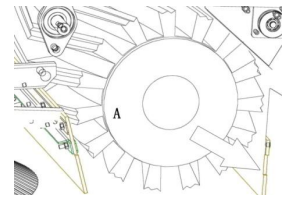


Figure 9

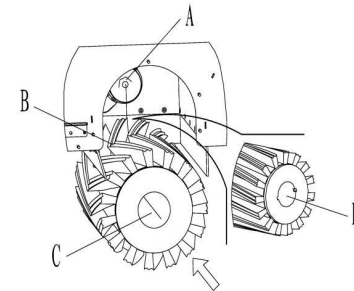


Figure 10

## Side brush height inspection and adjustment



**ATTENTIONS!** Brush can a harder or softer brushes.

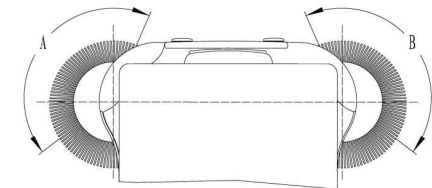


Figure 11

## After using the machine

After working, perform the following procedure before leaving the machine.

1. Turn off the working switch and raise the main brush and side brush;
2. Press the dust switch for one minute and turn on the filter vibration;
3. Empty trash bins (see previous steps);
4. Remove the power key;
5. to pull up the brake handle and stop the brake.

## Push / pull the machine

Pushing and pulling the machine over long distances is prohibited.

## Long absence of machine

If the machine is not used for over 30 days, proceed as follows:

1. checks the machine storage area for being dry and clean.
2. disconnects the battery connector. Power the battery every 1 month.

## Use Phase 1

Do the following after using the first 8 hours:

- Check that the fasteners and connections require proper tightening.
- Check whether the visible part is complete and without leakage.

## Maintenance:

Proper regular maintenance ensures the maximum safe service life of the machine. The daily care of the sweeper is essential, and when parking the vehicles in the open air, you need to cover the car clothes to prevent the damage caused by the weather to the vehicle.



**WARNING! To perform the maintenance procedure, the machine must be turned off, remove the key, and disconnect the battery if necessary. Before performing any maintenance, please read the instructions in the Safety chapter carefully.**

### Main brush height inspection and adjustment



**ATTENTIONS! The main brush can be a harder or softer brush. This program applies to all types of primary brushes.**

1. Check the distance between the main brush and the floor, as follows:

Drive the machine to the horizontal ground.

Keep the machine stationary, drop the main brush, and run on for a few seconds.

Lower the main brush, and then run the machine and turn it off.

Check the main brush sweeping marks (A, Figure 6), which are 2 to 4 cm wide along their length. If the sweeping marks A are not within this range, adjust the brush height as shown in steps 2-6.

2. Depress the brake pedal and pull up the parking brake lever to apply the parking brake.
3. Turn the power key to the "off" position.
4. Open the left door, button the inside of the side door with your finger, and pull the side door outward. If you want to close the side door, close the distance between the side door and the

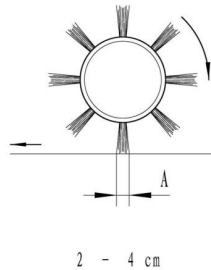


Figure 6

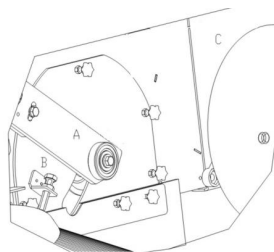


Figure 7

<b>Drum wind system</b>	
Type	Centrifugal radial-type turbine
Drive:	700W Motor Direct Drive
Structure	Steel products
Balance	Yes:
Diameter	260 mm
Installation:	Close down to the motor
<b>Cleaning head</b>	
Type	Vacuum-assisted cleaning
Suspension:	Adjustable, spring-balanced
Length:	700 mm
Diameter	305 mm
Power	600 watt belt drive
Dumster buckle	Foot / Manual
<b>Dust removal system</b>	
Type	Isolation and filtration
Filter area	5 m <sup>2</sup>
Filter Cleaning	A 50-watt electric vibration motor
<b>Drive:</b>	
Model / Type	Front-wheel electric drive, polyurethane
Torque	16 Newton meters
Tyre Size	300 mm x 90 mm
<b>Tyres and wheels</b>	
Type	3 Solid rubber tires
Tyre Size	300mm x 100mm
Wheels	Two-piece-type steel structure
<b>Brake:</b>	
Application:	Oil-pressure brake
Mechanical Parking	Dis brake system
<b>Steering gear</b>	
Type	Sprockets and Chain
Ratio	12.6 : 1
<b>Body Body:</b>	
Type	Anti-collision and plastic mold vehicle housing
Structure	FRP
Color	Blue or White or Environmental Green
<b>Weight and Size</b>	
Vehicle quality	450 kg
Wheelbase:	986 mm

Turn Radius	1000 mm
Full-length:	1,750 mm
Total height	1,250mm
Full-width	1,350 mm
<b>Cleaning width</b>	
Cleaning heads and two brooms	1,400 mm
Max. cleaning speed	7 km / h
Maximum driving speed	8 km / h
<b>Color</b>	
Standard colors are Blue, White, Green, yellow	
<b>Warranty Period</b>	
For 12 months, the month	Except for vulnerable parts
	<small>Note: Specification is subject to change without notice</small>

### Battery check / new machine settings



**WARNING!** If the machine needs to be propelled for service (lack of battery, dead battery, etc.), do not exceed 4 km/h. Prolonged implementation is prohibited.



**CAUTIONS!** Because the sulfuric acid is a corrosive liquid. Be careful when using it. If exposed to skin or eyes, rinse thoroughly with water and consult a physician. The batteries must be filled in well-ventilated places. Wear protective gloves.

According to the instructions in the battery manual, refill the battery when it is not in use.

#### C) Replace the battery

Purchase the applicable battery (see Technical data paragraph for details).

For battery selection and installation, contact a qualified battery retailer.

Install the battery.

Set up the machine and battery charger (if equipped) according to the type of battery installed, as shown in the next paragraph.

Before the machine starts up



**CAUTIONS!** Ensure that all doors / covers are closed and that the machine is in normal operating conditions.

**Make sure the bin is closed correctly.**

**If the machine is never used just after transport, check that all the anchors used for transport have been removed.**

### Start and Stop the machine

#### Start the machine

1. Get to the driver's seat;
2. Fasten the seat belt.
3. Turn the key to the "on" position, do not press the accelerator pedal. Check whether the power display lamp is of sufficient power; If the number of red columns is less than 4, turn the key to the "off" position, and then charge the battery (see the charger instructions for details);
4. Release the parking brake through the Panasonic hand brake;
5. Gear hangs in the forward gear, namely the D gear;
6. Hold the steering wheel, hang the forward gear or reverse gear, R gear, according to the working area;

The driving speed can be controlled by the pressure of the pedal, the greater the pressure, the faster the speed, until the upper speed is reached;



**ATTENTIONS!** The warning light flashes by itself as the power key turns to the "on" position.

7. Press the working button position, the main brush and left and right brush work;
8. Turn the steering wheel and step on the pedal to move the machine forward and start cleaning. If the cleaning garbage is large, you can step on the left retaining pedal and release it very quickly.

#### Stop the machine

9. To stop the machine and release the accelerator pedal;
- To stop the machine quickly and press the brake pedal simultaneously;
10. Press the dust vibration switch and release the dust after 1 minute and restore in position;
11. Place the power key switch in the "off" position;
12. Press on the brake pedal and pull up the hand brake lever to stop the brake.

#### Machine Operation



**BE CARE!** Be careful when operating this machine at high speed: Due to the difference in weight distribution, sudden turns may cause the three-wheeled machine to become unstable. You must slow down before turning.



**CAUTIONS!** If operated on wet ground, the dust vacuum system must be switched off to prevent damage to the dust filter.

1. Avoid stopping the machine in the same position for a long time with the broom turning: it will cause scratches on the floor.
  2. To collect light and large debris, press the retaining pedal to quickly lift the front baffle; the vacuum ability of the machine will decrease when the front baffle is lifted.
  3. For the machine to operate properly, the dust filter must be kept as clean as possible. Use the time relay to regularly control the filter vibration.
- During this operation, the vacuum fan is automatically turned off. After cleaning the filter, the vacuum system is automatically restarted; then cleaning starts again.



**ATTENTIONS!** When the dust filter is blocked and / or the bin is full, the machine will no longer be able to collect dust and debris.

4. bins must be emptied after the end of each working cycle or at 50% of the trash (see the next paragraph).
5. Do not clean ropes.

#### Empty dustbins

1. Release the accelerator pedal and stop the machine;
2. Close the working button;
3. Turn the power key to the "off" position;
4. Pull up the hand brake pull bar, stop the brake;
5. Pull the end of the fixed hook to unbuckle;
6. Pull the handle to remove the garbage bin;
7. Pour all the debris into the specified container.
8. Install the trash bin, and then fix it to the hook;
9. The machine can start cleaning again.