

Assembly Instructions

Customer Service
US: 1-800-645-2986

Instrucciones de Ensamblaje

Servicio de atención al Cliente
México: 01.800.681.6940

Directives d'assemblage

Service à la clientèle
Canada: 888-645-2986



**Auto Ride-On Sweeper
Model #: 641327**

TECHNICAL SPECIFICATIONS

Clean width	49"
Center brush width	27.5"
Side brush width	15.4"
Forward speed	0-4 MPH
Work Capacity	78738 sq. ft/hr
Maximum Surface Incline/Decline	18%
Drive motor	24V/500W
Roller brush motor	24V/600W
Dust collection motor	24V/380W
Dust shaker motor	24V/100W
Water tank capacity	7.9 gallon
Dust tank capacity	26.4 gallon
Filter size	7.5" x 7.5" x 14.5"
Machine Dimensions (L x W x H)	54.9" x 39.8" x 47.2"
Battery box (L x W x H)	19.4" x 13.9" x 1.2"
Rated battery voltage	12V/150AH
Noise Level	<= 71 dBA
Batteries weight	114.64 lb./each
Net weight (without load and battery installed)	496 lb.

ORDER YOUR ACCESSORIES AND REPLACEMENT PARTS
Visit www.globalindustrial.com or call 1-800-645-1232



641328 Replacement Side Brush



641329 Replacement Main Brush



641330 Replacement Filter

IMPORTANT INSTRUCTIONS

PLEASE READ THE INSTRUCTIONS CAREFULLY PRIOR TO USING THIS PRODUCT.

- Please carefully read the labels on the body carefully, and do not cover them for any reason whatsoever. Replace them immediately if damaged.
- This machine can only be operated by authorized and trained personnel.
- When the machine is working, please note the safety of other personnel, especially children.
- Flammable materials can cause an explosion or fire. DO NOT use flammable materials in the tank or as a cleaning agent in the machine. DO NOT use to clean up flammable or combustible spills.
- Never mix two cleaning agents as it may produce harmful gases.
- Do not load the machine into the container when there is any residual liquid in the machine.
- The storage temperature of the machine must be from 13°F (-25°C) to 131°F (55°C).
- Machine operating conditions: room temperature from 32°F (0°C) to 104°F (40°C); air humidity from 30% to 95%.
- Never use this machine in an explosive atmosphere.
- Do not use this machine to transport items.
- Do not use acid solution, so as not to damage personnel and machine.
- Avoid running the cleaning brush when the machine is not moving as it may damage the ground.
- Use dry powder fire extinguisher in case the machine is on fire. Do not put out fire with water.
- Do not run near shelving or scaffolding in danger of falling objects.
- Select the appropriate operating speed according to the actual traction.
- In order to avoid the instabilities, it is prohibited to run the machine beyond the allowed gradient.
- When the machine is parked, remove the key and disconnect the power.
- The machine should be used for cleaning and vacuuming simultaneously, any other unauthorized operations are strictly prohibited.
- If machine malfunctions, please refer to troubleshooting section of this manual. If further help is required, contact Global Industrial Customer Service at 1-800-645-2986 or visit www.globalindustrial.com.
- The use of attachments or accessories not recommended or sold by Global Industrial may cause personal injury and/or property damage.
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- Disconnect the machine from the power supply before cleaning and maintenance.

NOTE: This machine is designed to use Global Industrial brand replacement brushes and filters.



DO NOT USE EXTENSION CORD

Auto Ride-On Sweeper

READ AND SAVE THESE INSTRUCTIONS

Machine Components



Control Panel



Auto Ride-On Sweeper

WARNING

WARNING

All operators shall be adequately instructed on the safety and proper use of this machine.

WARNING

Sweeper is for indoor use only.

WARNING

This machine must be stored indoors only. Safely disconnect the non-frame connected pole of the battery or by an equivalent method (disconnecting device) prior to storage.

WARNING

Do not use for cleaning purposes on surfaces exceeding an 18% incline/decline.

WARNING

Always ensure that the warning light is switched on when the hazardous exposed side brushes are moving.

WARNING

Do not allow the supply cord to come into contact with the rotating brushes.

WARNING

Reconnect all electrical connections after any repair and maintenance.

WARNING

Protective devices must be disassembled with special tools.

WARNING

Do not flush the machine directly with corrosive reagent or high pressure water.

WARNING

Make sure that all housings and covers are mounted in accordance with this manual prior to use.

WARNING

Consumables must be handled in strict accordance with local laws.

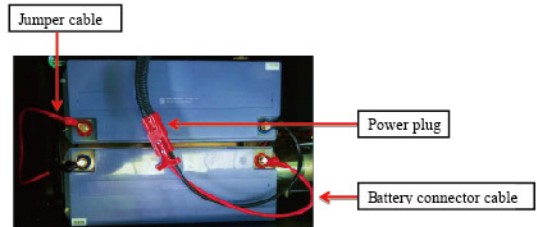
PACKAGE CONTENTS:

1) Machine 2) Battery 3)Charger

MACHINE SET-UP/OPERATION PRIOR TO EACH USE

- 1) Make sure to connect the 24V battery
- 2) Ensure the working surface is sufficient to support the weight of the machine

CONNECTING THE BATTERIES



- 1.Connect the batteries in series, using the jumper cables supplied - to the poles "+" and "-".
- 2.Connect the battery connector cable to the terminal poles "+" and "-", red to "+", black to "-".

BATTERY CHARGING

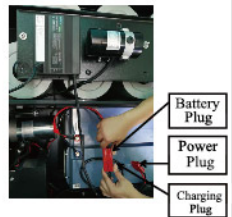
- 1.Move the machine near the battery charger.
- 2.Make sure the water tank is empty; otherwise empty it completely.
- 3.Ensure the key switch is in the "OFF" position.
- 4.Lift water tank and secure up using support rod
- 5.Disconnect the battery plug and power plug, Connect the battery plug to the charging plug then connect the charger to the wall outlet. After charging complete, disconnect the battery plug and charging plug, reconnect the battery plug to the power plug.

•Red Light on or flashing indicates a fault. Recheck connection.

•Yellow Light flashing indicates no battery is connected.

•Yellow Light on indicates normal charging.

•Green Light on indicates the unit is fully charged.



POWER DISPLAY METER

The power display meter can display 10 power status values and 2 flashing alarms.

These values represent different power states.

10 = 100% Light flashing = the battery is completely discharged



CAUTION

- A few minutes after the flashing warning light is on, the drive motor will turn off automatically and it should be charged timely.
- For the best performance, keep batteries charged at all times. Do not let them sit in a discharged condition.

WARNING

Battery acid is highly caustic, always wear protective gloves and eye protection.

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WARNING

Do not tilt battery as otherwise acid may flow out of the vent openings.

WARNING

No fire, sparks, naked lights or smoking near machine:

- Avoid creating sparks when handling cables and electrical equipment.
- Avoid short circuits.

CAUTION

Wear eye protection.

WARNING

Keep acid and batteries away from children.

WARNING

Batteries are dangerous! Batteries emit hydrogen gas and an explosion or fire can result. Keep sparks and fire away from batteries at all time. When charging the machine, keep the battery compartment left open.

FILLING WATER TANK

Unscrew the water tank cap and fill with clean water.



ADJUSTMENT OF SIDE BRUSH HEIGHT

The height of the side brushes must be adjusted according to the wear status of the side brushes. Please perform the following steps to adjust:

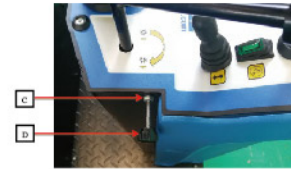
1. Loosen the hex nut (A) on the adjustment knob.
2. Rotate the adjustment knob (B) clockwise to increase the height of roller brush from the ground. Rotate the counterclockwise to reduce the height of roller brush from the ground.
3. When the side brush reaches the desired height, tighten the hex nut (A).



ADJUSTMENT OF ROLLER BRUSH HEIGHT

The height of the roller brushes must be adjusted according to the wear status of the roller brushes. Please perform the following steps to adjust:

1. Loosen the hex nut (C) on the adjustment knob.
2. Rotate the adjustment knob (D) clockwise to increase the height of the side brush from the ground. Rotate counterclockwise to reduce the height of the side brush from the ground.
3. When the side brush reaches the desired height, tighten the hex nut (C).






Emptying of Water Tank

1. Push the machine to the sewage discharge point, open the water tank, unscrew the cap of drain pipe, and drain the water to the sewer drain until all the water in the tank has been drained.
2. Tighten the cap of the drain hose and place the drain pipe in its original position.







OPERATION

1. User must remain seated during operation.
2. Turn the key of the key switch to the "ON" position. The power meter on the control panel will light up.
3. Traction drive - The machine is equipped with electronic drive control system and the required forward direction needs to be selected.

- To move the machine forward, push the directional switch forward ,  and push down on the accelerator pedal. Adjust the speed by changing the pressure on the pedal.
- To move the machine backward, push the directional switch backward ,  and push down on the accelerator pedal. Adjust the speed by changing the pressure on the pedal.
- To stop movement of the machine, push the directional switch  into the neutral position.
- When the driver leaves the seat, the pressure switch is disconnected and the machine stops moving.

4. Push the roller brush handle (on the right side) clockwise to lower the roller brush. Push the side brush handle (on the left side) counterclockwise to lower the side brush.



5. Push the brush switch  to activate both the roller brush and side brush at the same time.
6. Push the dust collection switch  to activate the dust collection motor.
7. Push the water spray switch  to activate electromagnetic valve and water pump.
8. Push the dust collection switch  to activate the dust shaker motor.

Auto Ride-On Sweeper

CAUTION

To stop the machine, release your foot from the accelerator pedal. The machine will gradually stop.

CAUTION

For large-sized garbage, press the lift pedal down (left foot) to raise the opening and closing angle of the front whistle baffle. This will allow an easier sweep of larger garbage into the dust collection box so the machine can pass by smoothly.



CAUTION

Avoid holding the accelerator pedal down the entire time while the machine is in operation. When you need to turn the steering wheel, lift the pedal to reduce the speed.

PARKING BRAKE

Release the accelerator pedal, the machine will slow down to stop, and the electromagnetic brake will delay the locking of wheel.

POST OPERATION

After machine has been used and before performing any type of maintenance, please perform the following steps:

1. Release the accelerator pedal, disconnect the brush switch, dust collection switch and spray switch. Wait for the machine motors to stop.
2. Rotate the roller brush handle (on the right side) counterclockwise to lift the roller brush. Rotate the side brush handle (on the left side) clockwise to lift the side brush.
3. Move the machine to the designated area of dumping garbage. Open the dust box hasp and remove the box. Empty the garbage. Then mount the dust box back and buckle the hasp.



4. Move the machine to the designated parking area, release the accelerator pedal, and push the directional switch to the central/neutral gear. Wait for the machine to stop completely. Turn the key switch to the "OFF" position to power down the machine and then pull the key out from the instrument panel.

CAUTION

Before starting any maintenance, unplug the key from the instrument panel and disconnect the machine from the battery connection plug.

CAUTION

Do not leave the machine unattended without first unplugging the switch key. In addition, do not park the machine in an open area or on an uneven floor.

CAUTION


Make sure to remove the key if the machine is park unattended for a long period of time.

MAINTENANCE

WARNING

Before starting any maintenance, unplug the key from the instrument panel and disconnect the machine from the battery connection plug. Make sure the electromagnetic brake is turned on.

CLEANING OF FILTER CARTRIDGE

1. After each operation, press and hold the Dust Shaker Switch  for 10 seconds to remove dust from the cartridge;
2. If you feel a significant decline in suction after a period of time and the machine improves by using the dust shaking function, please remove all six filter cartridges and clean by using compressed air. Cleaning can be deemed complete once dust is no longer escaping from the cartridge. Once complete, mount all six cartridges back to their original location.

CLEANING OF DUST BOX

1. After each operation, move the machine to a designated garbage area.
2. Remove the dust box and empty the garbage. Check for blockages prior to mounting back.

BATTERY MAINTENANCE

This sweeper uses high performance maintenance-free batteries. Always follow the battery charging directions as outlined in the BATTERY CHARGING section of this manual.

- Keep battery tops and terminals free from corrosion. A strong solution of baking soda and water is the best way to keep the batteries corrosion free. **DO NOT ALLOW THE BAKING SODA/WATER SOLUTION TO ENTER THE BATTERY CELLS.**
- Use a wire brush with the baking soda solution to properly clean the battery posts and connections.
- Check battery connections for wear and loose terminals. Replace if necessary.

DISPOSAL:

- Old batteries must be disposed of in compliance with the local specific regulations.
- Never dispose of old batteries as domestic waste!

Motors should be checked every 250 hours. Turn both pad brush and vacuum motor on/off and shake motor to ensure the motors are working properly.

MACHINE STORAGE

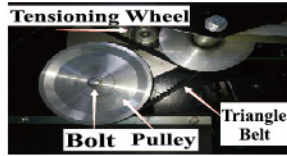
- Store the machine indoor in a dry location.
- Always store the machine with the squeegee and pad/driver raised off the floor.
- Always drain the solution and recovery tank fully before storing, especially when storing in a cold location.

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REPLACE ROLLER BRUSH



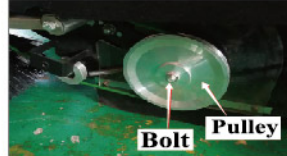
1.Remove the two bolts located on the side panel



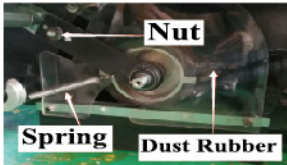
2.Remove the bolt, Loosen the triangular belt, loosen the tensioning wheel, then remove the Pulley



3.The other side, remove the two bolts located on the side panel



4.Remove the bolt, then remove the pulley

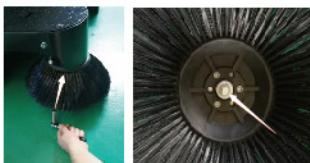


5.Remove the nut, remove the spring, remove the dust rubber, then Pull out the roller brush

6.Remove the nut, replace the roller brush, then restore the machine by reversing these steps



REPLACE SIDE BRUSHES



1.Remove the bolt at the bottom of the side brush



2.Remove these 3 bolts at the top of the side brush

3.Replace the side brush, then restore the machine by reversing these steps



REPLACE FILTER

1.Open the water tank, remove these 4bolts, then remove the mounting plate



2.Replace six filters, then restore the machine by reversing these steps.

3.It is recommended to replace the filters every eight months

TROUBLESHOOTING

Machine Start-up Failure

- 1.Check if there is power in the battery.
2. Make sure the machine connection plug is connected to the battery connection plug.
- 3.Check if the key switch is in the "ON" position.
- 4.Check if the first fuse in the fuse box is blown.

Insufficient Spray Water Amount

- 1.Check if there is water in the water tank.
- 2.Check if the solenoid valve or water pump is normally open.
- 3.Clean the filter.

Machine Cleaning Effect is Not Ideal

Check the wear conditions of the cleaning brush and replace if necessary.

Vacuum Motor Does Not Work

- 1.Check if the corresponding contactor of the dust collection motor works normally.
- 2.Check if the third fuse in the fuse box is blown.
- 3.Check if the duct collection motor switch is in sound condition and switches without issues.

Roller Brush Motor Does Not Work

- 1.Check if the corresponding contactor of the brush plate motor works normally.
- 2.Check if the 60A fuse on the electrical mounting board is blown.
- 3.Check if the brush plate motor switch is in sound condition and switches without issues.

Vibration Motor Does Not Work

- 1.Check if the corresponding contactor of the shaker motor works normally.
- 2.Check if the second fuse in the fuse box is blown.
- 3.Check if the entire motor switch is in sound condition and switches without issues.

Roller Brush Does Not Turn

- 1.Check if the roller motor is working properly.
- 2.Check if two V-belts driven by the brush motor are intact without fracture.

Side Brush Does Not Turn

- 1.Check if the roller is working properly.
2. Check if the elastic cords of the left and right side brushes are intact without fracture.