Global Industrial 641244

Global Industrial 641244 Auto Floor Scrubber User Manual

Model: 641244

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Global Industrial 641244 Auto Floor Scrubber. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.
The Global Industrial 641244 is designed for heavy-duty scrubbing and cleaning applications, featuring a 20-inch cleaning path and traction drive for superior performance on large surface areas.

Safety Information

Always observe the following safety precautions to ensure safe operation:

- Read and understand all instructions before operating the scrubber.
- Wear appropriate personal protective equipment (PPE) such as non-slip footwear and eye protection.
- Do not operate the machine in areas with flammable liquids or vapors.
- Ensure the machine is turned off and unplugged before performing any maintenance or cleaning.
- Keep hands, feet, and loose clothing away from moving parts.
- Do not allow untrained personnel to operate the scrubber.
- Use only manufacturer-approved replacement parts and accessories.
- Store the machine in a dry, secure location when not in use.

Components and Features

Familiarize yourself with the main components of your auto floor scrubber:

- **Solution Tank:** Holds clean water and cleaning solution (15 gal capacity).
- **Recovery Tank:** Collects dirty water (large capacity).
- **Brush Motor:** Powers the scrubbing brush (0.75 peak horsepower, 180 RPM).
- **Vacuum Motor:** Provides suction for water recovery (0.5 HP, 15,600 RPM).
- **Traction Drive:** Variable speed control transaxle drive for forward and reverse movement.

- **Control Panel:** Digital controller for operation and battery management.
- **Batteries:** Two 12V 100Ah batteries providing approximately 4.5 hours of run time.
- **Integral Battery Charger:** Powered by Airvolt battery management system technology.
- **Polyethylene Housing:** Corrosion and impact-resistant construction.



Figure 1: Front view of the Global Industrial 641244 Auto Floor Scrubber, showing the main body and scrubbing brush assembly.



Figure 2: Side view of the scrubber, highlighting the robust polyethylene housing and wheel assembly.



Figure 3: Rear view of the scrubber, showing the recovery tank access and vacuum hose connection.

Setup

1. **Unpacking:** Carefully remove the scrubber from its packaging. Inspect for any shipping damage.
2. **Battery Charging:** Before first use, fully charge the included 12V 100Ah batteries using the integral battery charger. Connect the scrubber to a suitable power outlet. The digital controller will indicate charging status.
3. **Brush Installation:** Attach the appropriate scrubbing brush or pad to the brush head according to the type of cleaning required. Ensure it is securely fastened.
4. **Solution Tank Filling:** Open the solution tank cap and fill with clean water and the recommended cleaning solution. Do not overfill.
5. **Recovery Tank Check:** Ensure the recovery tank is empty and properly sealed before operation.

Operating Instructions

1. **Pre-Operation Check:**
    - Verify batteries are charged.
    - Check solution tank level.
    - Ensure recovery tank is empty.
    - Inspect brush/pad for wear.
2. **Starting the Machine:** Turn the main power switch to the "ON" position.
3. **Engaging Scrubbing:** Lower the brush head to the floor. Activate the brush motor and solution flow using the controls on the panel.
4. **Engaging Vacuum:** Lower the squeegee assembly to the floor. Activate the vacuum motor to begin water recovery.
5. **Operating the Traction Drive:** Use the variable speed control to adjust the forward or reverse movement. Guide the machine in overlapping passes to ensure thorough cleaning. The scrubber provides approximately 24,218 sq. ft. of coverage per hour.
6. **Monitoring:** Periodically check the solution and recovery tank levels. Empty the recovery tank when full and refill the solution tank as needed.
7. **Stopping Operation:**
    - Raise the brush head and squeegee.
    - Turn off the brush motor, vacuum motor, and solution flow.
    - Turn the main power switch to the "OFF" position.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your scrubber.

- **After Each Use:**
    - Empty and rinse the recovery tank thoroughly.
    - Rinse the solution tank.
    - Clean the brush/pad and squeegee assembly. Remove any debris.
    - Wipe down the exterior of the machine with a damp cloth.
    - Charge the batteries.
- **Weekly/Bi-Weekly:**
    - Inspect brushes/pads for wear and replace if necessary.
    - Check vacuum hose for clogs or damage.

- Inspect wheels and casters for debris or damage.
- Clean battery terminals if visible corrosion.

- **Monthly/Quarterly:**
  - Check all electrical connections.
  - Inspect drive belts (if applicable) for tension and wear.
  - Perform a deep clean of the machine's internal components as per service manual.

Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Machine does not start.	Low battery charge; Power switch off; Circuit breaker tripped.	Charge batteries; Turn power switch on; Reset circuit breaker.
Poor water pickup.	Squeegee worn or damaged; Vacuum hose clogged; Recovery tank full.	Replace squeegee blades; Clear hose; Empty recovery tank.
Brush not rotating.	Brush motor off; Brush jammed; Worn brush.	Activate brush motor; Remove obstruction; Replace brush.
No solution flow.	Solution tank empty; Solution valve closed; Clogged filter.	Refill tank; Open valve; Clean filter.

If the problem persists after attempting these solutions, please contact customer support.

Specifications

Attribute	Value
Model Name	641244
Manufacturer	Global Industrial
Cleaning Path	20 inches
Solution Tank Capacity	15 gallons
Cleaning Capacity	24,218 sq. ft./hr
Power Source	Battery (2 x 12V 100Ah)
Run Time per Charge	Approx. 4.5 hours
Brush Motor RPM	180 RPM
Vacuum Motor RPM	15,600 RPM
Voltage	12 V
Material	Rotationally molded polyethylene (Plastic)
Item Weight	407.5 lbs (approx. 408 lbs)

Attribute	Value
Dimensions (H x W x L)	40.55 x 21.66 x 51.2 inches

Warranty and Support

For warranty information or technical support regarding your Global Industrial 641244 Auto Floor Scrubber, please contact Global Industrial customer service directly. Refer to your purchase documentation for specific warranty terms and conditions.
You may also visit the Global Industrial store on Amazon for additional product information or to inquire about replacement parts.
For protection plans, consider the available options:

- 2-Year Protection Plan
- 3-Year Protection Plan

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I unlock the screen on the Global Industrial 641244 Auto Floor Scrubber when it displays a 'Screen locked' message?

The "Screen locked" message on the Global Industrial 641244 Auto Floor Scrubber typically indicates that the

digital controller's lockout feature has been engaged, often to prevent unauthorized use or accidental setting changes. While the...

Read full answer