GLOBAL INDUSTRIAL™

We can supply that.®

User's manual	Manual del usuario	Manuel de l'utilisateur
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente US: 1-800-645-2986	Service à la clientèle Canada: 888-645-2986

Model 641411

17" AUTO FLOOR SCRUBBER

READ THIS MANUAL PRIOR TO SETUP AND OPERATION. For additional questions or concerns, contact Global Industrial Customer Service at 1-800-645-2986 or visit www.globalindustrial.com. Save this manual for future reference.



IMPORTANT INSTRUCTIONS

PLEASE READ THE INSTRUCTIONS CAREFULLY PRIOR TO USING THIS PRODUCT.

TECHNICAL SPECIFICATIONS	
Clean width	17"
Squeegee Width	30.7"
Work capacity	16000sq.ft/hr
Pressure on the brushes	77lbs
Brush RPM	150
Brush motor	24V/500W
Suction motor	24V/400W
Solution tank	9.2gallon
Recovery tank	10.5 gallon
Machine dimensions (Excluding squeegee)	45" x 19" x 45 "(L x W x H)
Battery	2 x 80ah
Battery weight	58lb x 2
Machine weight	141.1lb

⚠ WARNING

to reduce the risk of fire, electrical shock, and/or injury/ damage to persons or property:

- Do not operate the machine unless trained and authorized
- Flammable materials can cause an explosion or fire. DO NOT use flammable materials in tank or as cleaning agent in machine.
- Flammable materials or reactive metals can cause explosion or fire. DO NOT use to clean up flammable or combustible spills.
- This machine is intended for commercial use. It is constructed for use in an indoor environment and is not intended for any other use.
- Extreme caution and supervision is necessary when used near children or unqualified personnel
- Conditions of use: room temperature between 32°F and 104°F with relative humidity between 30 and 95%.
- Do not place objects on the Unit or allow objects to obstruct the inlet or outlet openings. Do not operate in close proximity to walls, curtains, etc.
- Do not use acid solutions, which may damage the machine or harm the operator.
- Always turn off and unplug the battery prior to assembling, performing routine maintenance, or when not in use.
- The use of attachments or accessories not recommended or sold by Global Industrial may cause personal injury and/or property damage.
- DO NOT attempt to fix the machine by yourself. All repairs must be made by authorized personnel
- Do not modify the machine
- Avoid moving parts. Do not wear loose fitting clothing while using/-servicing the machine
- Do not put any flammable materials into solution tank. This can cause an explosion or a fire. Only use approved cleaning chemicals. Contact Global Industrial (1-800-645-1232) for recommendations on proper Cleaning Solutions.
- Empty the Solution and Recovery tank before storing the machine
- This machine shall be stored indoors only
- Do not use the machine on surfaces with an inclination greater than the one shown on the plate.

ORDER YOUR CLEANING CHEMICALS & PADS

globalindustrial.com or Call 1-800-645-1232



Floor Cleaner
Model 640404 (Case of 4)



Floor Cleaner
Model 640404 (Case of 4)



Multi Purpose Cleaner/Degreaser
Model 640407 (Case of 4)



Heavy Duty Cleaner/Degreaser
Model 640406 (Case of 4)



PADS (Case of 5)
17" Scrubbing Pad
Model 261164GN
17" Buffing Pad
Model 261164RD

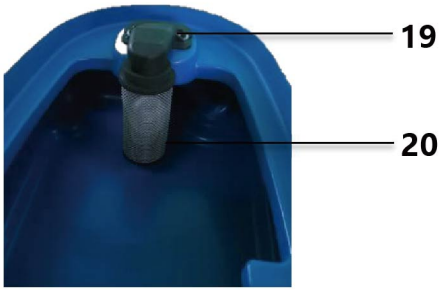
17" AUTO FLOOR SCRUBBER

Machine Components









1.Control Handle	8. Solution Tank	15. Brush Switch	20. Float shut off
2. Recovery tank	9. Recovery Drain	16. Key Switch	
3. Recovery tank cover	10. Squeegee Lift Lever	17. Suction Button	
4. Solution tank cap	11. Power Plug	18. Menu button	
5. Brush head assembly	12. Vacuum hose	19. Vacuum Intake	
6. Pad Driver or Brush	13. Squeegee Assembly		
7. Wheel	14. Water Level Indicator		

WARNING
Do not operate machine unless you have readand understand this manual.

17" AUTO FLOOR SCRUBBER

⚠ WARNING

- Do not operate machine unless you have read and understand this manual.
- Do not use your fingers to wipe or remove debris from the blades, as injury may occur.
- Flammable materials can cause an explosion or fire. DO NOT use flammable materials in tanks as cleaning agent.
- Always empty Recovery tank before filling solution tank
- Always empty and clean the recovery tank after using the machine.
- Do not fill the solution tank before emptying the recovery tank
- Before performing any maintenance on the machine, be sure that the power is turned off.
- Repairs are to be completed by Authorized Personnel/Service Centers only
- Do not put any flammable materials into solution tank. This can cause an explosion or a fire. Only use approved cleaning chemicals. Contact Global Industrial (1-800-645-1232) for recommendations on proper Cleaning Solutions.
- Foam must not enter the float shut-off screen, or damage can occur to the vacuum motor. Foam will not activate the machine's float shut-off device.

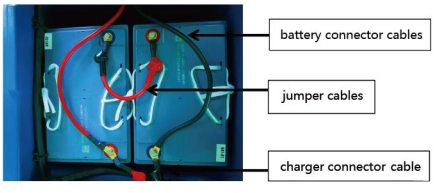
PACKAGE CONTENTS

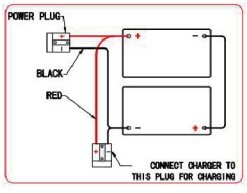
1)Machine 2)Squeegee Assembly 3)Pad Driver
4)Battery 5)Charger
6)Jumper cable& battery connector cable &charger connector cable

MACHINE SET-UP/OPERATION PRIOR TO EACH USE

1) Be sure to connect the 24V battery
2) Check that squeegee assembly is properly installed
3) Check that Pad Driver is properly installed
4) The working surface is sufficient to support the weight of the machine
5) Always close Recovery Tank cover fully before use

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 "-"to obtain a voltage of 24V on the clamps.
3. Connect the charger connector cable to the terminal poles "+" and "-".
4. Connect battery plug to the power plug.

BATTERY CHARGING



Connect the charger to the power supply.
- •Red ON or Flashing = Fault
- •Yellow Flashing = No battery connected
- •Yellow on = Normal charging
- •Green on = Fully charged

WARNING
Use only approved chargers with the following specifications
- Automatic shut off circuit
- Deep cycle charging
- Output current of 10-20 amps
- •Output voltage of 24 volts

CAUTION
For the best performance, keep batteries charged at all times. Do not let them sit in a discharged condition.

WARNING
Do not place battery charger on wet surface or in a puddle when operating charger.

RISK OF EXPLOSION:
A highly explosive gas mixture is produced when charging batteries.

WARNING
- Battery acid is highly caustic, always wear protective gloves and eye protection.
- Do not tilt battery as otherwise acid may flow out of the vent openings.

WARNING
No fire, sparks, naked lights or smoking:
- Avoid creating sparks when handling cables and electrical equipment.
- Avoid short circuits.

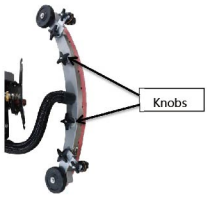
CAUTION
Wear eye protection.

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, make sure the battery compartment is left open.

17" AUTO FLOOR SCRUBBER

SQUEEGEE INSTALLATION



Loosen the 2 knobs on the squeegee assembly.
Connect the vacuum hose to the Vacuum hole in the squeegee assembly



Align the knobs with the slots and tighten the knobs

Pad Driver/Brush coupling



- Turn the machine off
- Place the pad driver/Brush under the head assembly.
- lower the head assembly to the floor by pushing the control handle forward
- Line up three studs on the pad driver/brush to the holes on the head assembly
- Turn the machine on
- Press the brush button , brush motor will start working, and the pad driver/brush will lock in completely

Pad Driver/Brush uncoupling

- Turn on the key switch, keep the brush/pad head assembly in the raised position.
- Press Menu button MENU for 5 seconds, the LCD display Unload I Bru-0 screen display ,than hold again Menu button MENU for 3 seconds, The brush will start automatically removing the brush/pad holder.

SOLUTION TANK



- **Remove the solution tank cap and fill with clean water for regular cleaning surface. For deep and dirty surface,** Contact Global Industrial (1-800-645-1232) for recommendations on proper Cleaning Solutions.

- Check water level indicator for water level



OPERATION

- Turn the key to the ON position
  Display information when active:
  Brand: GLOBAL
  Software version: Ver .XX
  Display information when work:
  Battery level: ▮▮▮▮▮▮▮▮ (flashing at low level)
  Total functioning time: 00000: 00 (hour: minute)
  Short press "**MENU**", shows the battery voltage.

- Mode switch
  Press and hold the "MENU" button before turn on the power, until the setting parameter page appears;
  Press the "MENU" button several times to switch pages to parameter " 8 V-HD" ;
  There are two modes available. "0-Yes" means Strong-Power mode, and "1-No" means Normal mode;
  To select the Normal mode, press and hold the "MENU" button on the "1-No" page, After "Param.UpdataOK" appears on the LCD display screen, "*" will appear before "1-No", which means the selection is successful. Restart the machine ,the machine enters normal mode.



To select the Strong-Power mode, press and hold the "menu" button on the "0-Yes" page, after "Param.UpdataOK" appears on the LCD display screen ,"*" will appear before "0-Yes", which means the selection is successful. Restart the machine, the machine enters depth mode.







- Push the control handle forward to lower the head assembly to the floor

- Lower the suction and squeegee assembly by lowering the squeegee lift lever
- Three-step switch: 1st step is OFF; 2nd step is turning on the brush without water;3rd step is turning on the brush with water.



- Press the suction button switch to turn on the vacuum
- The machine is ready for use



Adjust the water flow with the water flow lever
When finished

- Press brush button again, brush motor will shut off , then raise the head assembly from the floor by pulling the control handle backward





Raise the squeegee assembly by raising the squeegee lever, press vacuum button, vacuum motor will shut off after delay.

- Lift the suction and squeegee assembly by pulling the squeegee lift lever upward

WARNING

Before performing any maintenance on the machine , be sure that the power is turned off , or the batteries disconnected.

WARNING

Repairs are to be completed by authorized Service Centers only. Any repairs by unauthorized persons will void warranty.

MAINTENANCE

Daily Maintenance

- Wipe the whole machine with clean/damp cloth

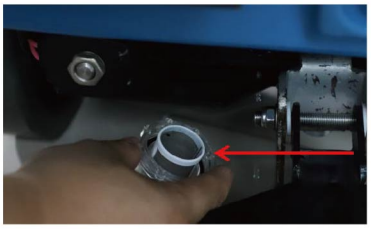




- Empty the solution tank by opening solution drain valve location on the bottom
- Drain and rinse out recovery tank with clean water
- Remove the Pad Driver/Brush and Squeegee assembly and Clean with clean water
- Check the battery charge, Timely charging

Monthly Maintenance

- Flush out solution tank with clean water



- Remove the clear cap and the solution tank filter. Clean the filter with clean water
- Motors should be tested every 250 hours. Turn on/ off both Pad/Brush and Vacuum motor to ensure the motors are working properly

Squeegee Rubber Blade Replacement

- Remove the squeegee assembly from the unit (refer to squeegee installation instruction)





- Unlock the spring lock and slide the blades out
- Replace with new blade and re-assemble.

BATTERY MAINTENANCE

Maintenance-free batteries: High performance, long life, no pollution, safe and reliable.

- 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!

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

17" AUTO FLOOR SCRUBBER

Problem	Situation	Solution
No Power	-The power is disconnected	- Connect the battery
Does not work	No power Vacuum motor does not work Brush motor does not work	Charge the battery if it is low; Check the vacuum motor and the circuit, including motor plug. Check brush motor and the circuit, including the motor plug.
Little or no water flow	-The water valve is closed -The filter is clogged -Water tank is empty	-Open the water valve -Clean the filter -Fill solution tank
Poor water pick-up	-Squeegee hose or suction opening gets clogged -Squeegee blades get worn or torn - Squeegee or suction assembly is not installed properly -Suction hose is worn or loosen - Suction hose is clogged -Drain hose cover is loosen - Recovery tank lid is uncovered -Recovery tank is full -Vacuum motor inlet is clogged -vacuum motor gets loose	- Clean the squeegee or suction opening -Replace the squeegee blade -Make sure the squeegee or suction assembly is installed properly -Replace the suction hose or reinstall and fasten the suction hose. -Check the hose and remove the debris - Tighten the cover -Be sure to close and seal the recovery tank lid. -Empty recovery tank - Check the vacuum motor opening, remove the debris and clean the filter cotton -Tighten the mounting screws, but be careful not too tight to damage the motor
Error code	F01 F02 F03 F04 F05 F06 F07 F08 F09 F10 F11 F12 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23	I Sen Err EEP Error Main On Para Change Illi Model No Encrypt PreC Error Main Off Main Error Valv Open Valv Error Batt Disconn Batt High Batt Low Over Temp Brus OverLoad Vacu OverLoad Brush Open Vacu Open Brush Error Vacuu Error Comm Error Batt Very Low