

Assembly Instructions	Instrucciones de Ensamblaje	Directives d'assemblage
Customer Service US: 1-800-645-2986	Servicio de atención al Cliente México: 01.800.681.6940	Service à la clientèle Canada: 888-645-2986

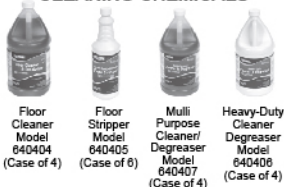


**Ride-On Floor Scrubber 40" Cleaning Path
Model #: 641750**

TECHNICAL Specification	
Cleaning Width	40"
Squeegee Width	47"
Working Capacity	69960sq.ft/hr.
Pressure on the Brushes	111 lbs.
Brush RPM	180
Brush Motor	36V/500W *2
Suction Motor	36V/730W
Traction Motor	36V/800W
Drive Speed	0-4miles/hr.
Solution Tank	39.6 Gallon
Recovery Tank	44.9 Gallon
Machine Dimensions (excluding squeegee)	62"L x 34"W x 49.6"H
Battery	3 x 150ah
Battery Weight	114.8 lbs. x 3
Machine Weight	530 lbs.

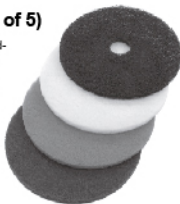
ORDER YOUR CLEANING CHEMICALS & PADS
Visit www.globalindustrial.com or call 1-800-645-1232

CLEANING CHEMICALS



PADS(Case of 5)

20" Scrubbing Pad- Model 281164GN
20" Buffing Pad- Model 281164RD



IMPORTANT INSTRUCTIONS

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.

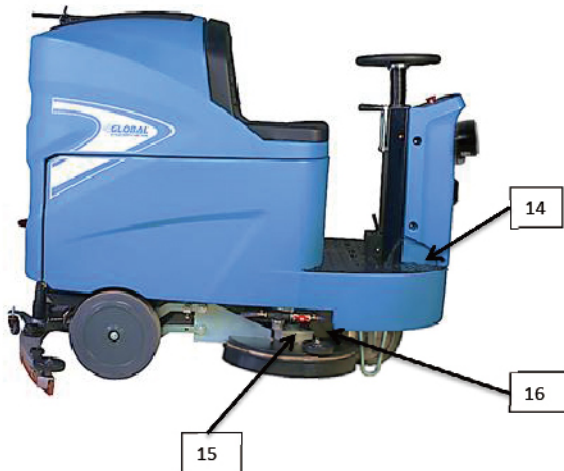
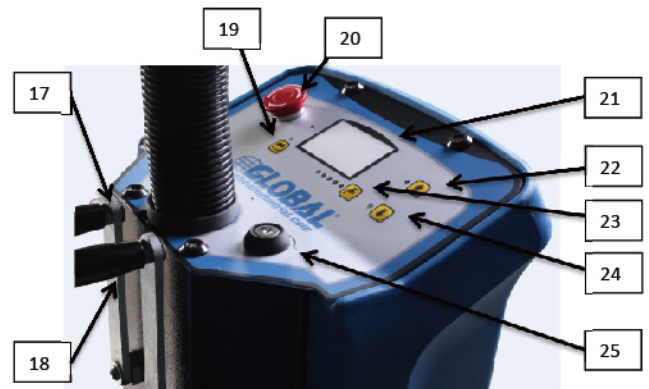
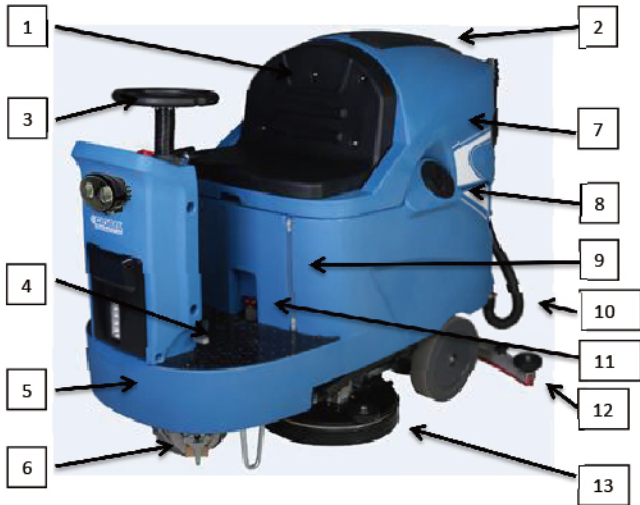
WARNING - To reduce the risk of fire, electrical shock, and/or injury/damage to persons or property:

- DO NOT operate the machine unless trained and/or authorized.
- Flammable materials can cause an explosion or fire. DO NOT use flammable materials in the tank or as cleaning agents for the machine.
- Flammable materials or reactive metals can cause an explosion or fire. DO NOT use this scrubber to clean up flammable or combustible spills.
- Always check the surroundings when using this machine.
- This machine is for commercial indoor use only.
- Extreme caution and supervision is necessary when used near children or unqualified personnel.
- Conditions of use: Ambient room temperature between 32°F and 104°F (0°C and 40°C) 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 machine 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 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.
- Store machine indoors only.
- DO NOT use the machine on surfaces with an incline/decline greater than the number shown on the product plate.

READ AND SAVE THESE INSTRUCTIONS

Ride-On Floor Scrubber

MACHINE COMPONENTS



- 1) Seat
- 2) Recovery tank cover
- 3) Steering wheel
- 4) Brake pedal
- 5) Solution tank
- 6) Drive wheel
- 7) Recovery tank
- 8) Solution tank cap
- 9) Water level indicator

- 10) Recovery tank hose
- 11) Charging connector
- 12) Squeegee assembly
- 13) Brush head assembly
- 14) Drive pedal
- 15) Water filter
- 16) Water flow valve
- 17) Squeegee lifting lever
- 18) Brush lifting lever

- 19) Brush coupling/uncoupling
- 20) Emergency stop button
- 21) LCD display
- 22) Forward button
- 23) Water adjustment button
- 24) Reverse button
- 25) Key switch

Ride-On Floor Scrubber

WARNING

WARNING

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

WARNING

DO NOT operate machine unless you have read and understand this manual.

WARNING

DO NOT use your fingers to wipe or remove debris from the blades, as injury may occur.

WARNING

Always empty the recovery tank before filling the solution tank.

WARNING

Always empty and clean the recovery tank after using the machine.

WARNING

DO NOT fill the solution tank before emptying the recovery tank.

WARNING

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

WARNING

Repairs are to be completed by authorized personnel/service centers only.

WARNING

DO NOT put any flammable materials into solution tank or as a cleaning agent. 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.

WARNING

10) Foam must not enter the float shut-off screen, or damage can occur to the vacuum motor. Note: Foam will not activate the machine's float shut-off device.

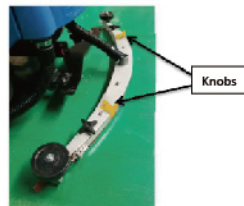
PACKAGE CONTENTS:

- Scrubber Machine
- Squeegee Assembly
- Pad Driver
- (3) Batteries
- Battery Charger

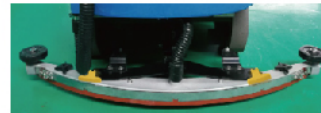
MACHINE SET-UP/OPERATION PRIOR TO EACH USE:

- 1) Connect the 36V batteries.
- 2) Check that the 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.

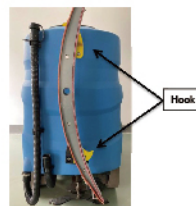
SQUEEGEE INSTALLATION:



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

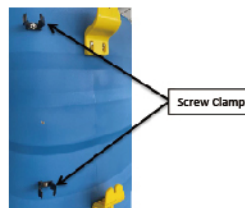


3. Align the knobs with the slots and tighten the knobs



When encountering narrow passages, remove the squeegee assembly and hang it on the hook at the rear of the tank, and fix the vacuum hose to the screw clamp at the rear of the tank.

SCREW CLAMP INSTALLATION

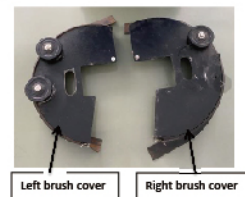


Use hardware (screw M5X16, lock washer M5 zinc, and washer 5X15X1.2) to fix the screw clamp on the inlay at the rear of the recovery tank



Fix the drainage pipe on the screw clamp

BRUSH COVER INSTALLATION



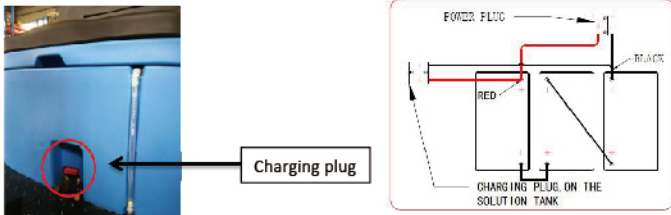
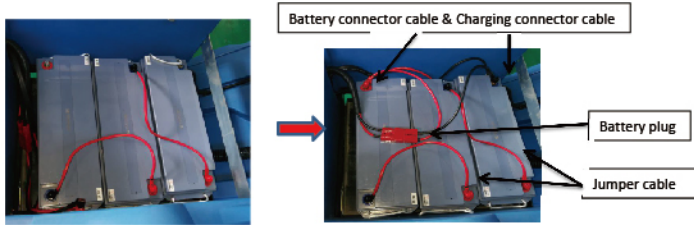
Take the brush cover out of the package. There are two wheels for the left brush cover, and one wheel for the right brush cover (the distinction between left and right is sitting on the machine)



Use hardware (screw M6X12 and washer 6X18X1.6) to install the left and right brush covers on the motor support

Ride-On Floor Scrubber

CONNECTING THE BATTERIES



1. Connect the battery connector cable and the charging connector cable according to the wiring diagram .
 2. Connect the power plug and the battery plug.
- Note: The charging plug is on the solution tank, under the seat.

BATTERY CHARGING



1. Connect the charging plug to the charger.
Note: The power plug doesn't need to be disconnected from the battery plug.
 2. Connect the charger to the wall outlet.
- 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 23 amps
- Output voltage of 36 volts

CAUTION

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

WARNING

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

RISK OF EXPLOSION:

Note: A highly explosive gas mixture is produced when charging batteries. Use caution.

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

- Keep Away from fire, sparks, naked lights or smoking:
- Avoid creating sparks when handling cables and electrical equipment.


WARNING

- Always wear eye protection.
- Keep acid and batteries away from children.

PAD DRIVER/BRUSH UNCOUPLING:

1. Turn the key switch to the ON position, keep the brush/pad head assembly in the raised position.
2. Press and hold the Brush Coupling button  for 5 seconds, and the red LED will turn on. The brush will start automatically removing the brush/pad driver.
3. The red LED will go off after the brush/pad driver is removed.

PAD DRIVER/BRUSH COUPLING:

1. Place the brush/Pad driver under the head assembly.
 2. Tap the Brush Coupling button  green LED will turn on.
 3. Lower the brush lifting lever; the machine automatically start to install the brush/pad driver.
 4. The green LED will turn off after the brush/pad driver is installed.
 5. Lift the brush lifting lever.
- NOTE:** Repeat the above steps if you do not successfully complete the coupling/uncoupling of brush/pad driver.



SOLUTION TANK:



Remove the solution tank cap and fill with clean water for regular cleaning surfaces. For deep and heavily dirty surfaces, contact Global Industrial (1-800-645-1232) for recommendations on proper cleaning solutions.

- Check the water level indicator for current water level.

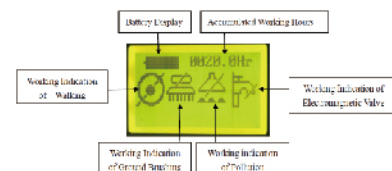


INSTRUMENT PANEL:

- 1: Emergency stop button
- 2: Brush Coupling/Uncoupling button
- 3: Water volume adjustment button
- 4: Forward button
- 5: Reverse button
- 6: Key Switch



DISPLAY:





WARNING: Always check the surroundings when using this machine.



Ride-On Floor Scrubber

OPERATION:

Traction Drive: This machine is equipped with electronic traction control


- Turn the key switch to the ON position.
- Press the forward button  and step down on the drive pedal to move the machine forward. The adjustment of the speed will depend how hard the drive pedal is pressed down.
- Press the reverse button  and step down on the drive pedal to move the machine in reverse. The adjustment of the speed will depend how hard the drive pedal is pressed down.
- When the squeegee lifting lever is put down, the machine can only move forward (cannot go in reverse).

Brush:

- Press the forward  or the reverse button , then lower the brush lifting lever and step down on the drive pedal, The brush motors will then start working.




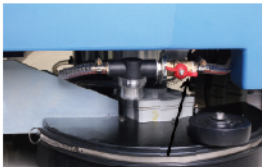
Squeegee Drive:

- Press the forward button  and lower the squeegee lifting lever; the suction motor will start working.
- When the squeegee lifting lever is lowered down, the machine can only move forward (not in reverse).
- Lift the Squeegee lifting lever, and the suction motor will stop after around 15 seconds.



Adjustment of the Water:

- Press the water amount adjustment button  the five indicator lights on the left side of the button will light up in turn from left to right, and the water amount increases in sequence. The solenoid valve is closed when there are no lights turned on.



- You can also adjust the water flow with the ball valve.

When Finished

- Raise the head assembly from the floor by raising the brush head lifting lever and the brush motor will shut-off.
- Raise the squeegee assembly by raising squeegee lifting lever, vacuum motor will shut off after 15 seconds.
- Empty and clean the recovery tank

MAINTENANCE

WARNING

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

WARNING

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

DAILY MAINTENANCE

- Wipe the entire machine with a clean/damp cloth.



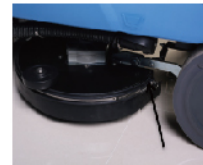
- Empty the solution tank by opening the solution tank drain pipe.

- Drain and rinse out recovery tank with clean water.
- Clean the vacuum filter by removing the vacuum intake cap.
- Remove the pad driver/brush and squeegee assembly and clean using clean water.
- Check the batteries charge level, and charge if needed.



MONTHLY MAINTENANCE

- Flush out solution tank with clean water.



- Remove the clear cap and the solution tank filter. Clean the filter using clean water.

- Clean the rubber skirt on the brush head assembly by removing the spring lock.
- Motors should be checked every 250 hours. Turn both the pad/brush motor and the vacuum motor on/off to ensure the motors are working properly.

SQUEEGEE RUBBER BLADE REPLACEMENT

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



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

BATTERY MAINTENANCE:

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

Ride-On Floor Scrubber

TROUBLE SHOOTING

Problem	Cause	Solution
No Power	-Unit not connect the power, battery not charged	- Connect the battery, charge battery
Little or no solution flow	-Water flow tap closed -Clogged solution tank filter -Empty solution tank	- Open water flow tap - Clean solution tank filter - Fill the solution tank
Poor water pickup	-Squeegee clogged -Squeegee blades worn -Squeegee not mounted correctly -Vacuum hoses have a hole or are loose -Vacuum hose may be clogged - Drain hose stopper is loose - Recovery tank is opened -Recovery tank is full - Float shut off is clogged - Vacuum motor is loose	- Clean debris off squeegee with damp towel - Install new squeegee blades - Confirm that the squeegee assembly is securely fastened to the machine and not loose fitting - Check hose connections and make sure they are firm. Replace hose if damaged. - Check hose for debris and remove any clog. - Tighten drain plug. - Confirm the clear recovery tank lid is securely in place - Drain recovery tank - Remove float shut off from inside recovery tank and remove any debris - Tighten vacuum motor mounting screws. DO NOT overtighten or damage may occur.
Error Code	F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F13 F14 F15 F16 F17 F18 F19 F20 F21 F22 F23 F24 F25 F26 F27 F28 F29 F30 F31 F32	Ems active Brush Error Vacuum Error Brush Open Vacuum Open Dirty Water Full Clean Water Empty Battery Low Battery Very Low Traction Error Traction SRO Brake Open Brake Error Valve Error Pump Error Valve Open Pump Open No Brush Error Traction Open Comm. Error Self-Test NG Over Temp EEPROM Error Battery High Tract Carbon M-Bru Carbon Blow Carbon Sit in Seat Beeper Open Beeper Error Bru Adj Err B Lim Sw Err