

DAPPER

User Manual

Manual Push Floor Scrubber

Model: DP-WBFS1218



For any service-related issues,
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CONTENTS

INSTRUCTIONS	4
MACHINE COMPONENTS	8
INSTALLATION	11
OPERATION	15
MAINTENANCE	24
TROUBLESHOOTING	33
MACHINE SPECIFICATIONS	35
WARRANTY	37

INSTRUCTIONS

This manual accompanies each piece of equipment and includes essential operating and maintenance guidelines.

Please read and fully understand this manual before operating or using the machine.

This machine performs efficiently and reliably. To achieve the best results at the lowest operating cost, please ensure the following conditions are met:

Operate the machine using manual push mode.

Handle the machine with care and attention.

Perform regular maintenance as outlined in the operating manual.

Use only manufacturer-approved or equivalent replacement parts.

ENVIRONMENTAL PROTECTION

Please dispose of packaging materials, batteries, old machine components, antifreeze, and other hazardous liquids in accordance with your local waste disposal regulations to protect the environment.

Please recycle whenever possible.



SAFETY

This machine is a commercial product designed specifically for cleaning indoor hard floors. It should not be used for any other purpose. Only recommended scrubbing pads, brushes, and commercially approved floor cleaners should be used with this machine.

The following safety warning symbols and the heading "For Safety" are used throughout this manual. Their purposes are:

Warning: *Indicates a risk of serious personal injury or death due to unsafe operation.*

For Safety: *Highlights important precautions to ensure safe machine operation.*

These symbols call attention to situations that could pose risks to the operator or the equipment. All users must read, understand, and follow the safety instructions provided.

Warning: *Risk of Fire or Explosion*

Do not use flammable liquids. Never operate the machine near or in areas containing flammable gases, liquids, or combustible dust.

This machine is not explosion-proof. During start-up, the motor can create sparks. If used in areas with explosive materials, this could lead to a fire or explosion.

Do not pick up flammable or reactive materials.

Warning: *Risk of Electric Shock*

Disconnect power before servicing. Always unplug the battery and charger before performing maintenance.

Use the correct power cord. Do not charge the battery with a damaged or modified cord.

Replace damaged cords properly. If the charger's cord is damaged, replace it with one supplied by the manufacturer or a qualified technician to avoid risk of shock.

Warning: *Risk of Injury*

Keep hands clear of moving parts. Keep hands away from the rotating brush while the machine is operating.

Turn off power before servicing.

For Safety

1. Do not operate the machine if:

It is in contact with or close to flammable liquids or gases, as this may cause an explosion or flash fire.

You are not trained or authorized.

You have not read and understood the operator's manual.

The machine is not in proper working condition.

2. Before starting the machine:

- Ensure all safety devices are in place and functioning correctly.

3. When using the machine:

- Proceed slowly on slopes and slippery surfaces.
- Wear slip-resistant shoes.
- Slow down when turning.
- Report any damage or malfunction of the machine immediately.
- Do not allow children to play on or near the machine.
- Follow mixing ratios and handling instructions on chemical containers.
- Do not operate on slopes steeper than 5% (approximately 3 degrees).

4. Before leaving or servicing the machine:

1. Park the machine on a level surface.
2. Turn off the machine.
3. Remove the key.

5. When servicing the machine:

- Do not move parts while wearing loose clothing, shirts, or sleeves.
- Disconnect the battery connections before starting service.
- Wear protective gloves and eye protection when handling the battery or battery connections.
- Do not spray or wash the machine with high pressure or a hose, as this may cause electrical system failure.
- Use only replacement parts provided or approved by the manufacturer.
- All service operations must be performed by qualified service personnel.
- Do not modify or alter the machine's original design.

6. When transporting the machine using a truck or trailer:

- Drain the water tanks before transportation.
- Use recommended loading ramps when loading or unloading the machine from a truck or trailer.
- Remove the battery before transporting the machine.
- Always transport the machine with assistance from another person.
- Turn off the machine before moving.
- Lower the brush motor to its lowest position.
- Secure the machine with straps or tie-down ropes.

SAFETY LABELS

Safety labels are placed on the machine as shown. If any labels are lost, damaged, or difficult to read, they must be replaced immediately.

Warning Label – Located on the dirty water tank cover

Warning: *Flammable materials may cause explosion or fire.*

Do not put flammable materials in the water tank.

Tilt Warning Label – Located near the rear wheel

Warning: *The working incline of the machine must not exceed 5%.*

Before servicing, turn off the machine and disconnect the battery connector.

Rotary Brush Label – Indicated on the brush head

Warning: *During operation, keep hands away from the rotating brush.*

MACHINE COMPONENTS

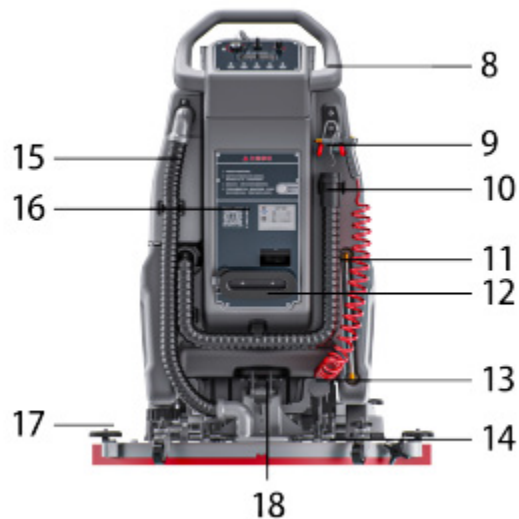
Side View

1. Dirty Water Tank Cover
2. Main Chassis Handle
3. Clean Water Inlet
4. Brush Motor
5. Brush Disk
6. Large Wheels
7. Splash Guard



Rear View

8. Handle
9. Water Gun
10. Sewage Drain Pipe
11. Water Level Sight Tube
12. Charging Port
13. Brush Disk Lifting Pedal
14. Squeegee Assembly
15. Suction Hose
16. Bumper Wheel
17. Controller / Wiring Assembly
18. Squeegee Lifting Pedal



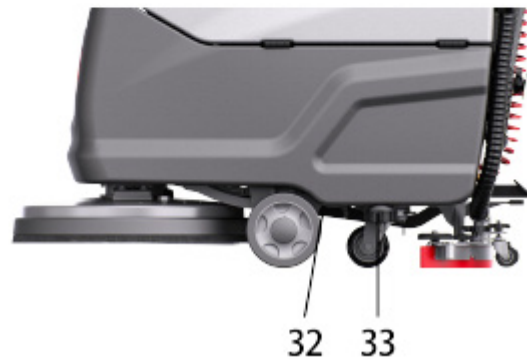
Control Panel

- 19. Main Power Switch
- 20. Usage Time Indicator Light
- 21. Battery Level Indicator Light
- 22. Water Level Indicator Light
- 23. Water Flow Adjustment Switch
- 24. Brush Disk Removal Switch
- 25. Economy Mode Switch
- 26. Fan Switch
- 27. Brush Disk Switch



Internal Components

- 28. Dirty Water Tank
- 29. Fan Compartment
- 30. Battery
- 31. Clean Water Tank
- 32. Solenoid Valve
- 33. Clean Water Filter



CONTROL PANEL SYMBOLS

Symbol	Function
	Main Power Switch
	Brush Motor Switch
	Water Flow Adjustment
	Suction Motor Switch
	Economy Mode
	Brush Disk Removal

(Note: Icons referenced above should match the layout on your visual interface.)

Installation

Unpacking the Machine

Carefully inspect the packaging for any visible damage. If any is found, report it to the carrier immediately.

Check the shipment against the packing list to ensure all components are present. If anything is missing, contact your dealer.

Shipping Contents Include:
Two 12-Volt Batteries

One 24V Smart Charger

98mm wire, 37 cm long, for battery connection

Four plastic covers for battery terminals

One squeegee assembly

One brush disk

One splash guard

Before removing the machine from the packaging:

Remove the metal brackets attached to the large wheels.

With assistance, carefully unload the machine using a ramp or lift.

Note: Do not attempt to push the machine out manually without a loading ramp, as this may cause damage.

MACHINE OPERATION MODE

Cleaning Method

Water and detergent flow from the tank to the brush disk and onto the floor via the water valve and solenoid valve. The brush motor rotates the brush disk, applying the detergent and scrubbing the floor. As the machine moves forward, the suction motor draws the dirty water from the floor into the dirty water tank through the squeegee assembly.

INSTALLATION

Connecting the Squeegee Assembly

Park the machine on a level surface. Turn off all power switches and remove the key.

Lift the squeegee lifting pedal to its upper position and mount the squeegee assembly onto the squeegee mounting bracket (as shown in Figure 3).



Ensure the tightening knob is fully inserted into the slot before tightening.

Connect the suction hose to the squeegee assembly as shown in Figure 4.



Installing the Brush Disk

For safety: Before installing the brush disk, ensure the machine is parked on a level surface. Turn off all power switches and remove the key.

Steps:

1. Park the machine on a level surface, turn off all power, and remove the key.
2. Step on the brush disk lifting pedal and move it to the left (as shown by the arrow in Figure 5) to raise the brush motor.



3. Align the brush disk with the clasps of the brush motor.
4. Turn it clockwise to install.
5. Turn it counter-clockwise to remove.

Filling the Clean Water Tank with Cleaning Solution

The machine features a water bucket filling hole located at the front. Cleaning solution should be poured into the clean water tank via this opening (Figure 6).



Filling the Clean Water Tank

For floor washing, use warm water (up to 60°C).

Follow the recommended mixing ratios from your detergent's label when adding it to the clean water tank.

Note: If you're using a bucket to pour the solution into the tank, ensure the bucket is clean. Do not use the same bucket for both clean solution and dirty water.

Attention: Always use manufacturer-recommended commercial detergents. Using the wrong type (such as granular or laundry detergents) may damage the machine and void the warranty.

Warning: *Do not use flammable liquids due to the risk of fire or explosion.*

For safety: Follow all handling instructions and mixing ratios on chemical labels.

Operation

OPERATING THE MACHINE

For Safety: Do not operate the machine unless you have read and understood the operator's manual.

Warning: Risk of fire or explosion. Never use or operate the machine near flammable liquids, gases, or combustible dust.

Pre-Operation Checklist

- Sweep dust off the floor.
- Check the Battery Level Indicator.
- Inspect the brushes for wear.
- Check and adjust the angle of the squeegee blades if necessary.
- Make sure the clean water tank is filled and the dirty water tank is properly installed and empty.

Starting the Machine

Turn on the Main Power Switch, and set the forward/reverse switch to the forward position (see Figure 7).

Press the Brush Motor and Suction Motor buttons, then adjust the speed as needed (Figure 7).



Lower the Squeegee Assembly

Step on the squeegee lifting pedal to lower the squeegee assembly to the ground (see Figure 8).



Lower the Brush Disk

Step on the brush motor pedal and move it to the right (as indicated by the arrow) to lower the brush disk to the ground (see Figure 9).



Adjust the Water Flow

Turn on the water release switch and adjust the water flow as needed.

Water flow can also be adjusted using the panel switch, depending on the floor cleaning requirements (see Figure 10).



Stopping the Machine

To stop cleaning, follow this order:

1. First, turn off the brush disk switch.
2. Then turn off the squeegee motor switch.
3. Finally, switch off the main power.
4. Ensure that all dirty water on the floor is fully cleaned up.
5. Afterward, raise both the brush disk and the squeegee assembly.

During Machine Operation

Warning: To avoid fire or explosion risk, do not pick up flammable or reactive materials.

For Safety:

- Operate the machine slowly on slopes and slippery surfaces.
- Wear slip-resistant footwear.

Operating Guidelines

- Overlap each cleaning path by 5 cm.
- Keep the machine moving continuously to avoid damaging the floor.
- Sweep floors beforehand to prevent streaks. If debris appears after squeegee passes, wipe the blades clean.
- Do not operate the machine on slopes greater than 5% ($\approx 3^\circ$).
- If excessive foam appears, use a recommended commercial defoamer in the clean water tank.
- Note: Prevent foam from entering the dirty water filter to avoid suction motor damage.
- For heavily soiled areas, use the double cleaning method:
- Clean with the squeegee raised to allow the solution to soak for 3–5 minutes.
- Then lower the squeegee and repeat cleaning.

When leaving the machine unattended:

Raise the squeegee and brush disk.

Turn off all power switches.

Remove the key.

Battery Level Indicator

The battery level indicator displays the battery's charge status:

When fully charged, all lights are illuminated.

As the battery drains, lights will go off from right to left.

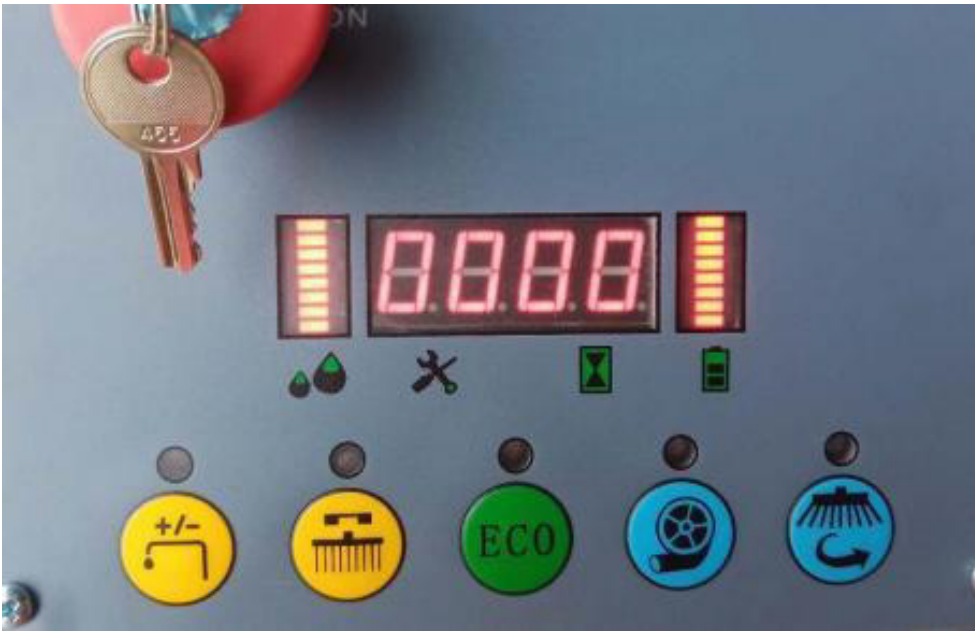
Note: To extend battery life, always charge the battery after each use.

When Only One Light Remains:

Stop using the machine immediately and begin charging.

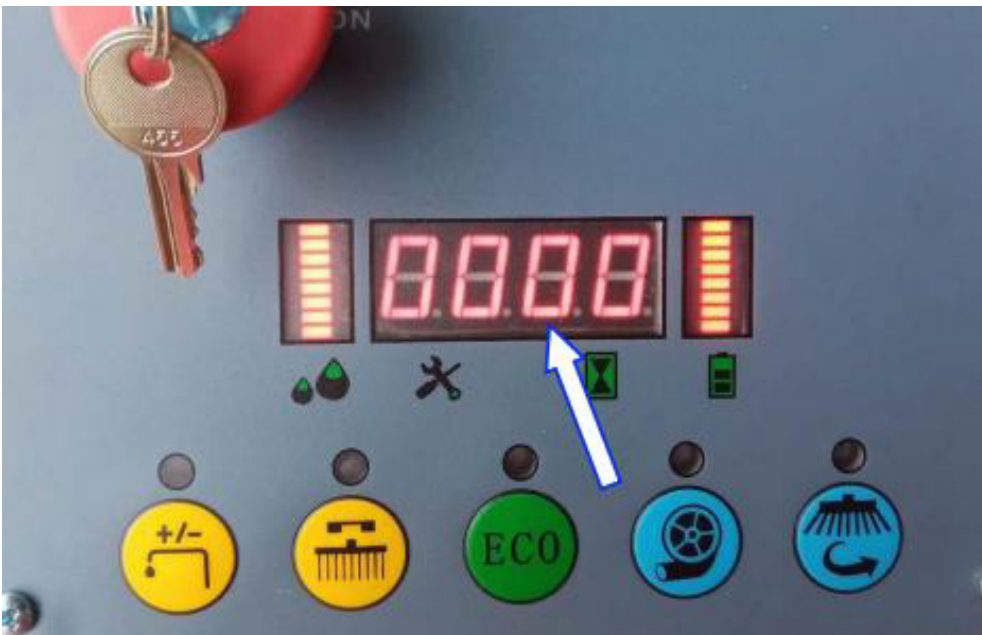
If the last light starts blinking, the cleaning function will automatically shut off to prevent over-discharge.

Push the machine to the charger and begin charging as soon as possible (see Figure 11).



Timer

The timer records the total operating hours of the brush motor. Use this feature to track usage and determine the appropriate time for scheduled maintenance. Refer to the digital display on the control panel (Figure 12) to view the timer reading.



DRAINING THE WATER TANKS

It is important to drain and clean the dirty water tank after each use.

For safety: Before performing any maintenance, ensure the machine is parked on a level surface, powered off, and the key is removed.

Emptying the Dirty Water Tank

Move the machine to a suitable drainage area and turn off the main power.

Hold the drainage hose in an upright position, remove the hose cap, and allow the dirty water to drain (see Figure 13).



Note: After draining, tighten the hose cap securely to prevent air leaks, which may affect the suction performance of the fan.

Note: When using a bucket to collect dirty water from the machine, do not reuse that bucket to fill the clean water tank with solution. Use a separate, clean bucket instead.

When cleaning the dirty water tank, do not pour clean water into the water level limiter (see Figure 14).



Emptying the Clean Water Tank

To remove the remaining water from the clean water tank:

Open the drain cap located at the bottom of the clean water tank (see Figure 15).



BATTERY CHARGING

The following instructions apply to the battery charger provided with the machine.

Note: To maximize battery life, always charge the battery promptly after use. This helps prevent long-term damage caused by deep discharge.

Battery Charger Specifications

Charger Type: Fully automatic intelligent charger

Battery Type: Maintenance-free

Output Voltage: 24V

Output Current: 15Ah

Using the Battery Charger

For detailed charger operation, refer to the manual included with your charger.

Charging Procedure:

Move the machine to a well-ventilated area.

Warning: *Risk of fire or explosion. Keep the area free of sparks and open flames.*

Park the machine on a level, dry surface. Raise the squeegee and brush disk, power off the machine completely, and remove the key.

Open the dirty water tank cover to allow ventilation during charging.

Plug the charger's AC (Alternating Current) power cord into a grounded wall outlet.

Insert the DC (Direct Current) charging plug into the charging socket located at the rear of the machine (see Figure 16).



Once connected, the charger will automatically disable machine operation to ensure safety.

Important:

Do not unplug the DC cord from the machine while charging.

If you need to interrupt charging, unplug the AC power cord first to prevent arcing.

Battery Installation and Use Precautions

Before installation, inspect each battery for damage, dirt, or corrosion.

Clean the terminals with a dry cloth and verify all positive and negative terminals are clearly labeled and correctly oriented.

Install the batteries upright (never inverted), maintaining a minimum spacing of 5mm between batteries for proper ventilation.

After connecting the batteries in series according to the wiring diagram, check that all connections are secure.

When tightening connections, do not overtighten. Torque should not exceed 15NM to avoid damaging the terminals.

When mounting batteries into the machine, use spacers to keep them upright and secure, minimizing movement or vibration.

Any spark-prone components such as ignition locks and fuse holders must be kept isolated from the batteries.

Batteries are shipped pre-charged and ready for use. However, if stored for more than 2 months, re-charge before use.

Avoid exposure to fire, excessive heat, or direct sunlight.
Store in a cool, dry area and protect from impact and short-circuiting.

Battery capacity is rated at 25°C (77°F).

For every 1°C decrease, capacity drops by 1%.

Avoid usage below -10°C, and consider temperature impact when planning operation time.

Do not disassemble the battery; risk of injury or damage.

Used batteries must be recycled appropriately. Do not dispose of them as regular waste.

Monitor battery temperature during charging. Overheating can cause damage or risk.

Avoid deep discharge or letting the battery sit empty for long periods. Always fully charge before storing.

Avoid operating the machine frequently in a low-battery state, which can severely shorten battery life. The manufacturer is not responsible for damage caused by improper battery care.

LED Lights	Indicator Status	Working State
LED 1 off, LED 2 red, fan off	Standby mode, no battery connected	
LED 1 on, LED 2 flashing (1s on / 1s off), fan on	Pre-charge state (≤ 2 hours)	
LED1 on, LED 2 red, fan on	Constant current state (≤ 10 hours)	
LED 1 on, LED 2 red, fan off	Constant voltage, limited current (≤ 2 hours)	
LED 1 on, LED 2 green, fan on	High-voltage small constant current (≤ 1 hour)	
LED 1 off, LED 2 green, fan off	Float charge state (1 hour)	
LED 1 off, LED 2 green, fan off	Charging complete	

Important Notes:

If LED 2 is red, it may indicate one of the following issues:

Load short-circuit

Reversed wiring connection

Battery wire short-circuit

Over-temperature (LED2 will turn orange)

MAINTENANCE

To keep the machine in optimal working condition, follow the recommended daily, weekly, and monthly maintenance routines.

Warning: Risk of electric shock. Always disconnect the battery connections before servicing the machine.

Daily Maintenance (After Each Use)

Drain and clean the dirty water tank

Fully empty and rinse the dirty water tank to prevent buildup and odor.

Refer to Figure 17 for guidance.



Drain and clean the clean water tank

Remove the clean water filter, rinse thoroughly, and reinstall it securely.

Refer to Figure 18 for guidance.



3. Inspect the Brush Disk

Lift the splash guard and examine the brush disk for signs of wear.

If the brush disk appears significantly worn, replace it promptly to maintain cleaning efficiency (see Figure 19).



4. Inspect the Squeegee Blades

Check the edges of the squeegee blades for wear (see Figure 20).



If the ends are worn, rotate or flip the blade to use a fresh edge.

If all four sides are worn or damaged, replace the blade immediately (refer to the squeegee blade replacement section of the manual).

5. Clean the Exterior of the Machine

Wipe down the entire machine using a multi-purpose cleaner and a damp cloth (see Figure 21).



For Safety:

Do not use high-pressure water jets or hoses when cleaning.

Doing so may cause electrical system failure.

6. Battery Charging Reminder

To protect and extend the life of the battery, always charge it immediately after use. Delaying charging can lead to deep discharge damage (see Figure 22).



Weekly Maintenance

Perform the following tasks once per week to maintain the machine in optimal condition.

1. Clean the Clean Water Filter

Remove and clean the clean water filter located underneath the machine.

Ensure the clean water tank is empty before removing the filter (see Figure 23).



2. Inspect Battery Terminals

Clean the top of the batteries to prevent corrosion on the terminals.

Confirm that all battery connections are tight and secure (see Figure 24).



Semi-Annual Maintenance

Test the machine's electrical system.

Maintenance Table

The table below outlines the recommended maintenance schedule and responsibilities.

Legend:

O = Operator

T = Personnel with Specialized Training

Interval	Responsible	Component	Procedure
Daily	O	Brush Disk	Check brush disk height and pin seat
	O	Dirty Water Tank	Check for damage, wear, or debris
200 Hours	T	Battery Electrodes & Connections	Check and clean
	T	Vacuum Motor	Inspect motor brushes (first at 500 hours, then every 100 hours)
500 Hours	T	Brush Motor	Inspect motor brushes (first at 500 hours, then every 100 hours)
	T	Large Wheels	Check for damage and wear

Note: In extremely dusty environments, more frequent maintenance may be necessary.

Squeegee Blade Replacement

Each squeegee blade has four sides. When one side becomes worn, rotate the blade to use a fresh edge. Once all four sides are worn, the blade must be replaced.

Step 1: Remove the Squeegee Assembly

Detach the squeegee assembly from the machine as shown in Figure 25.



Step 2: Remove the Blade

Loosen the crescent plate and the stainless steel clamp to release the squeegee blade from the assembly.

Refer to Figure 26 for visual reference.



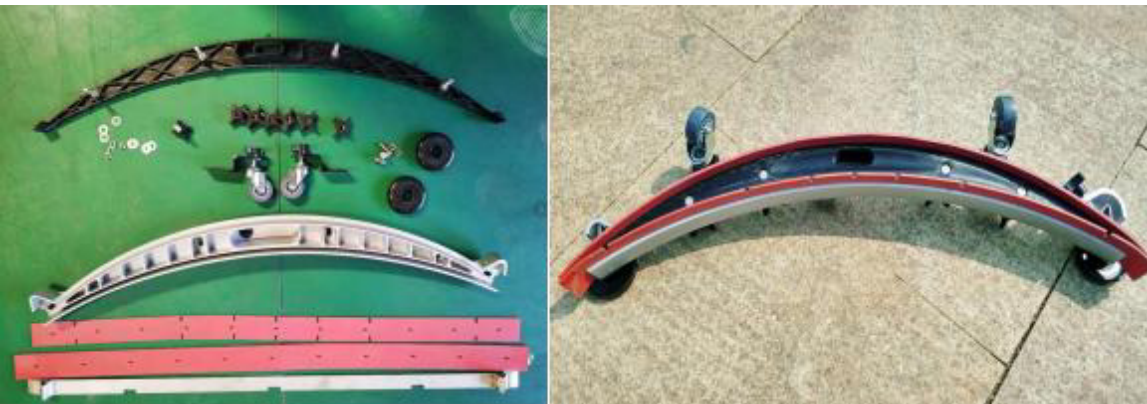
Step 3: Flip or Replace the Blade

Rotate the blade to a new, unused side and reinsert it into the squeegee assembly.

Ensure the grooved edge is facing downward for proper operation (see Figure 27).



Below is a complete visual of the squeegee assembly components and how they appear when correctly installed (see Figure 28).



Squeegee Blade Adjustment

The squeegee blade is factory-adjusted and typically does not require further adjustment unless the blade has shifted from its original position.

To maintain optimal cleaning performance, the wheels of the squeegee assembly must be correctly aligned and the blade set to the proper height and angle.

Step 1: Check Contact with the Floor

Ensure the squeegee blade makes full contact with the floor.

Measure the distance between the wheels and the floor—it should be approximately 2 millimeters.

During operation, the blade should flex slightly as shown by the arrow in Figure 29.



Step 2: Adjust the Blade if Needed

If the squeegee touches the floor but there is a gap on either the left or right side, adjust the squeegee adjustment nut:

Rotate clockwise to raise the left side of the blade.

Rotate counterclockwise to lower it into contact with the floor.

Adjust as needed until the blade lies evenly on the floor surface (see Figure 30).



TRANSPORTING THE MACHINE

When transporting the machine via truck or trailer, follow these steps to ensure safe handling:

Strapping Procedure:

Raise the squeegee and brush head.

Use a recommended loading ramp to load the machine.

Place the front of the machine against the front panel of the truck or trailer.
After securing the machine, lower the squeegee and brush head.

Place an obstacle (e.g., wooden block) behind each drive wheel to prevent sliding.

Secure the top of the machine with ropes to prevent tilting.

Braces must be used on both sides of the truck or trailer.

For Safety: Always use recommended loading ramps for loading and unloading.

Secure the machine tightly with ropes during transport.

STORING THE MACHINE

Follow these instructions to store the machine properly and protect its components:

Charge the battery before storage.

Never store with a depleted battery.

If storing long-term, recharge every 2–3 months to prevent deep discharge.

Drain and rinse both clean and dirty water tanks.

Store the machine in a dry indoor location, with the squeegee and brush raised.

Keep the dirty water tank cover open to allow for ventilation.

Note: Do not store outdoors or in the rain.

If storing the machine in freezing conditions, follow the antifreeze instructions below.

Antifreeze Instructions

Pour 1 gallon (approximately 4 liters) of antifreeze into the clean water tank.

Do not dilute the antifreeze.

For Safety: *Wear protective eyewear to avoid contact with eyes.*

Important: Before using the machine again, rinse out the antifreeze completely from the clean water tank.

TROUBLESHOOTING

Use this table to identify and resolve common machine issues:

Problem	Possible Cause	Solution
Machine does not operate	Switch is off or damaged	Turn the key ON or replace the switch
	Brush motor or suction motor switch is off or damaged	Turn on or replace the switch
	Motor switch handle malfunction	Adjust or replace the micro switch
	Battery depleted or damaged	Charge or replace the battery
	Overload protector tripped	Eliminate the short circuit and reset the overload protector
Charger does not work	Plug not connected properly	Check the plug connection
	Positive and negative wires connected incorrectly	Reconnect wires correctly
	Charger malfunction	Refer to charger error codes
Brush motor does not work	Brush lifted off ground or switch damaged	Replace the brush motor proximity switch
	Motor switch or micro switch damaged	Replace the motor or micro switch
	Overload protector tripped	Fix the fault and reset the overload protector
	Connector loose	Secure the connector
	Brush motor damaged	Replace the motor
Machine does not move	Steering wheel or large wheel damaged	Replace damaged wheel(s)
	Brush adjustment nut is loose	Readjust the nut
	Micro switch damaged	Replace the micro switch
Suction motor does not work	Micro switch disconnected	Reconnect the wire
	Motor micro button damaged	Replace the micro switch
	Suction motor damaged	Replace the suction motor
	Dirty water tank full	Drain the dirty water
Low or no water flow	Clean water tank filter clogged	Clean the filter
	Water valve or solenoid valve damaged	Replace the faulty valve
Water does not stop when drain valve is closed	Solenoid valve contaminated	Fill the clean water tank, open the water valve fully, start the machine, and use water pressure to clean debris from the solenoid valve. Repeat if necessary.
	Solenoid valve damaged	Replace the solenoid valve

Insufficient suction	Dirty water tank full or suction hose damaged	Drain the tank or replace the hose
	Drain hose cap not sealed	Reseal the drain hose cap
	Dirty water tank filter clogged	Clean the filter
	Debris on hose cap seal	Remove debris and reseal cap
	Worn squeegee blades	Replace or flip the blades
	Blades not bending properly	Adjust blade height
	Suction motor damaged	Replace the suction motor
	Debris in water guide cover	Clean the guide cover
Reduced operating time	Battery low or depleted	Fully charge or replace the battery
	Battery needs maintenance	Refer to Battery Maintenance section
	Battery charger faulty	Repair or replace charger

Battery Charger Fault Codes

Code	Fault	Solution
LED2 green (flashing slowly)	Charger malfunction	Replace the charger
LED2 orange	Charger temperature too high	Check for blocked cooling vents
LED2 red	Battery voltage < 12V	Verify connections or use another charger (24V, 15–25Ah)

Notes:

Do not use liquid-type chargers with maintenance-free batteries — may cause damage.

Maintenance-free chargers cannot fully charge liquid-type batteries.

If battery voltage is below 12V, the intelligent charger will not operate.

These codes apply only to new batteries. Old batteries with internal faults must be replaced.

If the battery is low, the machine interface will issue a warning.
Charge promptly to avoid permanent battery damage.

MACHINE SPECIFICATIONS



Dimensions:

Body Size: 51.2" (L) × 31.5" (W) × 41.7" (H)

Squeegee Width: 31.5"

Cleaning Width: 19.7"

Performance:

Cleaning Efficiency: 26,910 ft/h

Operating Time: 4–5 hours

Noise Level: 65 dB

Motors:

Brush Motor: 24V DC / 550W

Suction Motor: 24V DC / 500W

Tanks:

Clean Water Tank Capacity: 14.5 gallons

Dirty Water Tank Capacity: 17.2 gallons

Charging:

Charging Time: 5–6 hours

Warranty

Limited Warranty

Dapper Supply, Inc. extends a limited warranty to the original purchaser, guaranteeing that this Dapper Supply product is free from manufacturing defects in material or workmanship for one year from the date of purchase. If a defect is discovered within the warranty period, Dapper Supply, Inc. reserves the right to repair or replace the product at no cost to you, or to cover the cost of replacement parts and repair labor necessary to address defects present at the time of purchase or resulting from normal usage, provided the product has been installed, operated, and maintained according to the provided instructions. Any replacement parts requested within the first year are free of charge and fall under this warranty.

At its sole discretion, Dapper Supply, Inc. may choose to replace the product. In such cases, the replacement product will carry the warranty for the remainder of the original unit's warranty period.

This warranty is valid exclusively for the original purchaser of the product and applies only within the United States. The warranty begins on the date of the original purchase. Proof of the purchase date is required to obtain service under this warranty.

Under this limited warranty, your sole and exclusive remedy is the repair of the product as described above. All warranty services must be performed by a Dapper Supply-authorized service provider.

To claim warranty or request repair service:

Email: support@dapper-supply.com

Include your name, address, phone number, details of the warranty repair request, and a copy of your proof of purchase receipt. Alternatively, visit dapper-supply.com and use the "Contact Us" page. A Dapper Supply customer service representative will assist in arranging service for your product.

Thank you for choosing Dapper Supply.

WARRANTY EXCLUSIONS

This limited warranty does not cover:

1. Product failure due to power outages, interruptions, or inadequate electrical service.
2. Damage incurred during transportation or handling.
3. Damage caused by accidents, pests, lightning, wind, fire, floods, or other acts of God.
4. Damage resulting from accidents, misuse, abuse, improper installation, repair, or maintenance, including the use of devices that alter or convert the voltage or frequency of electricity.
5. Unauthorized product modifications, repairs performed by unauthorized providers, or use of non-approved replacement parts.
6. Cleaning and maintenance not performed according to the user manual.
7. Use of incompatible accessories or components.
8. Any costs associated with repairs or replacements under these excluded circumstances will be the responsibility of the consumer.

DAPPER