

# DAPPER

# User Manual

**40" Commercial Walk Behind Floor Sweeper**

Model: DP-FS1233



For any service-related issues,

Please contact us: Phone Number: 718-301-8243

Email address: [support@dapper-supply.com](mailto:support@dapper-supply.com)



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# Safety Precautions

- This machine is intended for commercial use only and is specifically designed to clean indoor, dry surfaces of dirt, debris, and dust. It must not be used for any other purpose. Do not use the machine to collect liquids or hazardous or toxic materials.
- Before operating the machine, all users must read, understand, and follow the safety instructions provided in this manual.
- Warning signs and the phrase "For Safety Reasons," when used as headings throughout this manual, indicate important safety instructions that must be followed.
- Before servicing the machine, unplug the battery cable and charger plug.
- Never use a damaged power cord to charge the battery. Do not modify the plug.
- If the charger's power cord is damaged or broken, it must be replaced by the manufacturer, an authorized service agent, or a qualified technician to prevent potential hazards.

## For Safety:

### 1. Do Not Operate the Machine Under the Following Conditions:

The operator is untrained or unauthorized.

The operator has not read or understood the operating manual.

After consumption of alcohol or drugs.

The filter is not installed properly or is blocked.

Operating in a dusty environment without the vacuum fan installed.

The machine is not in proper working condition.

In areas containing flammable vapors, liquids, or combustible dust.

In areas where objects may fall.

### 2. Before Starting the Machine:

Check the machine for any liquid leakage.

Ensure all safety devices are installed and functioning properly.

### 3. When Using the Machine:

Use only as described in this manual.

Do not vacuum burning or smoldering debris, such as cigarette butts, matches, or hot ashes.

Move slowly on slopes and smooth surfaces.

Do not operate on slopes exceeding 15% (8.5°). Do not transport the machine on ramps exceeding

21.3% (12°).

Slow down when turning.

Always pay attention to your surroundings while operating the machine.

Use caution when emptying the trash bin.

Keep children and unauthorized persons away from the machine.

If the machine is damaged or not operating properly, report it immediately.

#### **4. Place the machine on a flat surface.**

Turn off the machine and remove the key.

#### **5. When Servicing the Machine:**

Perform all work in a well-lit area.

Keep the work area well ventilated.

Stay clear of moving parts. Do not wear loose clothing or jewelry, and tie back long hair.

Lift and properly secure (chock) the machine tires before servicing.

Do not spray or flush the machine with water near electrical components.

Disconnect the charger before operating or servicing the machine.

Do not pull the charger cable to unplug it. Grasp the plug—not the cord—when disconnecting.

Do not use incompatible battery chargers, as they may cause battery damage or fire.

Inspect the charger cable for damage before use.

Do not disconnect the DC power cable from the charger socket while charging, as this may cause arcing. If you need to stop charging, unplug the AC power cable first.

Avoid exposure to battery acid.

Keep metal objects away from the battery.

Use only non-conductive tools when removing or servicing the battery.

Batteries must be installed by trained personnel.

Follow on-site safety procedures when removing batteries.

All maintenance must be performed by trained service technicians.

Do not modify the original design of the machine.

#### **6. When Loading or Unloading the Machine onto or from a Truck or Trailer:**

Use a ramp, truck, or trailer capable of supporting the combined weight of the machine and operator.

Empty the trash bin before loading the machine.

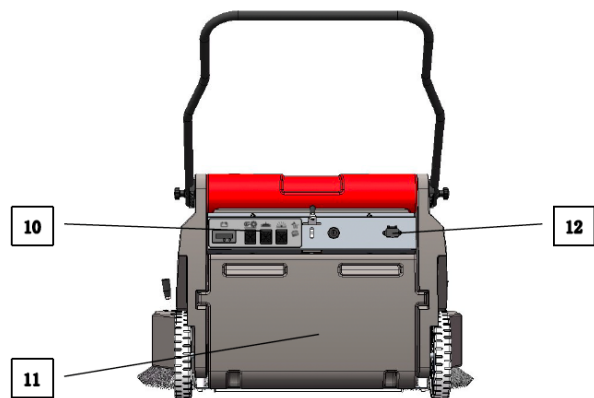
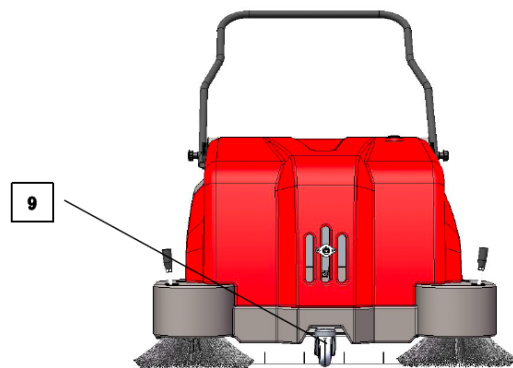
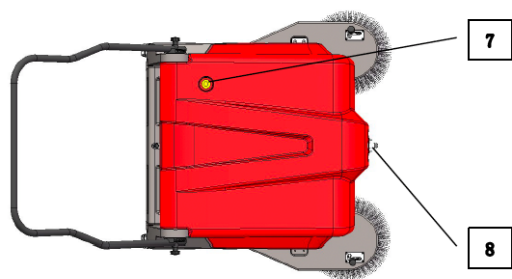
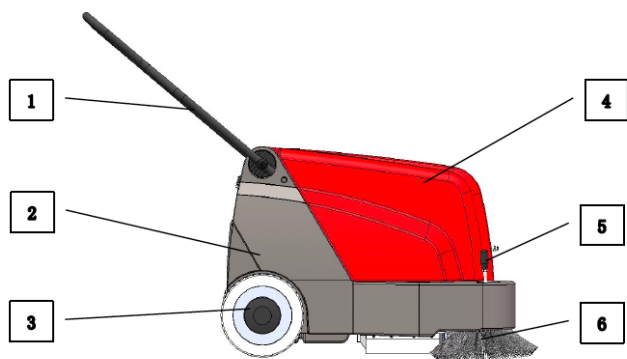
Do not load or unload the machine on a slope exceeding 21.3% (12°).

Turn off the machine and remove the key.

Ensure the machine wheels are properly secured or chocked.

Secure the machine to the truck or trailer to prevent movement.

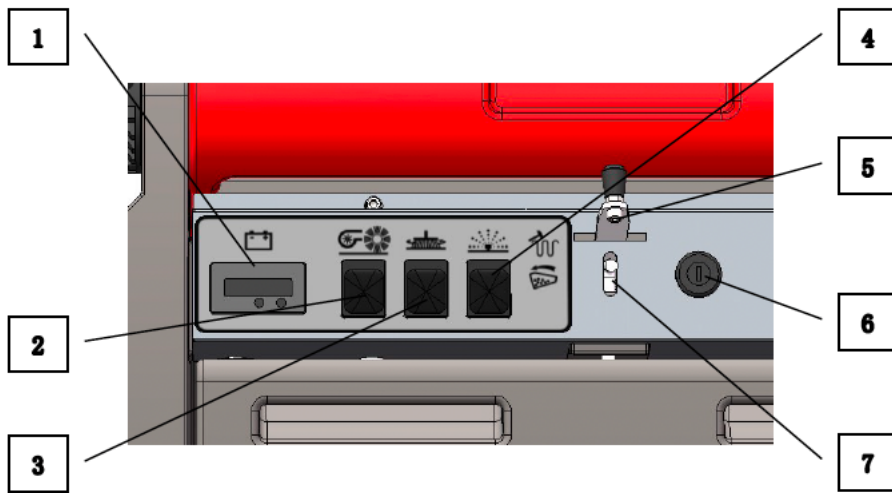
# Parts List



1. Push Handle
2. Lamp Stand
3. Rear Wheel
4. Water Tank
5. Brush Handle with Lift Mechanism
6. Front Brush
7. Water Inlet
8. Spray Nozzle
9. Front Wheel
10. Control Panel
11. Dust Bin
12. Charging Port

# Basic Information

## Control Panel



## Control Panel Legend

1. Coulomb Meter
2. Main Brush and Fan Switch
3. Brush Switch
4. Water Sprinkler Switch
5. Dustbin Handle
6. Key Switch
7. Garbage Bin Lock Pin

# Operations

## 1. Precautions Before Operating the Machine

Remove wires, tape, thin ropes, large pieces of wood, or other debris that may become entangled in the brush before cleaning.

Plan the cleaning route to be as straight as possible. Avoid collisions with posts or scraping the sides of the machine. Overlap sweeping paths by several centimeters.

Adjust the machine speed and brush pressure according to cleaning requirements. Use the appropriate brush pressure setting for the surface being cleaned.

If poor cleaning performance is observed, stop operation and refer to the Machine Fault Troubleshooting section of this manual.

Perform the Daily Maintenance Procedure after each use (see the Maintenance section of this manual).

Push the machine slowly when operating on slopes. Control the speed carefully when moving downhill. For best results, perform cleaning while moving uphill rather than downhill.

For safety: Operate the machine slowly on slopes and smooth surfaces.

Do not operate the machine in areas where the ambient temperature exceeds 43°C (110°F). Do not activate the cleaning function when the ambient temperature is below 0°C (32°F).

For safety: Do not operate the machine on slopes steeper than 15% (8.5°).

## 2. Pre-Operational Machine Inspection

Check for any liquid leaks.

Empty the trash bin and clean the filter.

Inspect the main brush for wear or damage. Remove any entanglements.

Inspect the side brush for wear or damage. Remove any entanglements.

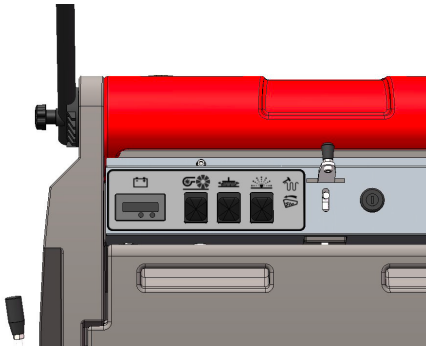
Check the skirt around the main brush for wear or damage.

Inspect the garbage bin seal for damage or wear.

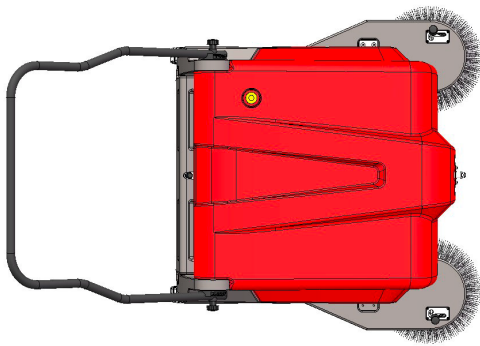
Check the tires for damage.

Review maintenance records to determine any required service.

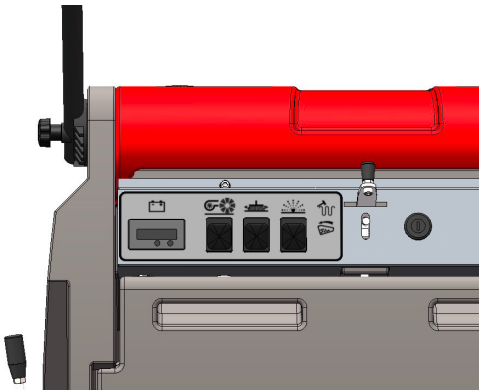
## How To Operate



1. Insert the key into the key switch and turn it to the ON position.
2. Turn on the main brush and fan switches.



3. For wider sweeping coverage, adjust the left and right-brush lift handles to lower the brushes as needed.
4. Turn on the side brush switch.
5. Move the machine forward to begin cleaning.

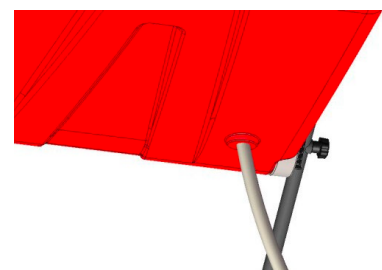
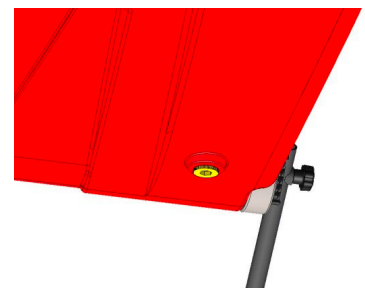


6. During operation, if there is a significant amount of dust on the floor, turn on the water sprinkler switch.
7. If significant dust accumulates during operation, clean the filter by rotating the shaking handle several times.
8. After cleaning, turn off the sprinkler, side brush, main brush, and fan switches. Raise the side brush, move the machine to its storage location, turn the key switch to OFF, and power down the machine.

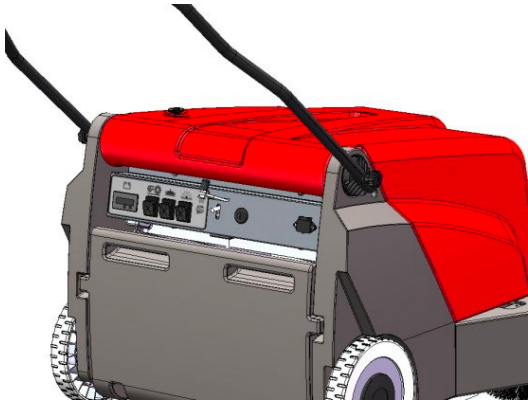
## Tank Water Filling

1. Rotate the water tank cap counterclockwise to remove it.
2. Insert the water supply hose into the tank's water inlet, then open the valve to fill the tank.
3. After filling, first close the water valve, then remove the hose. Replace the water tank cap and tighten it securely.

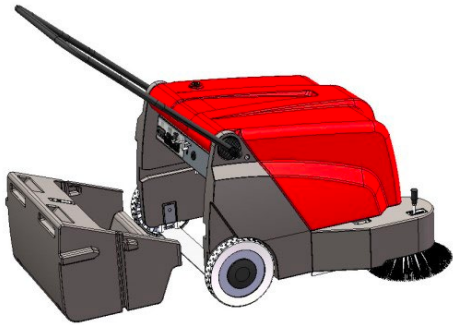
*Note: Monitor the filling process to prevent overfilling and water overflow into the machine.*



## Garbage Disposal

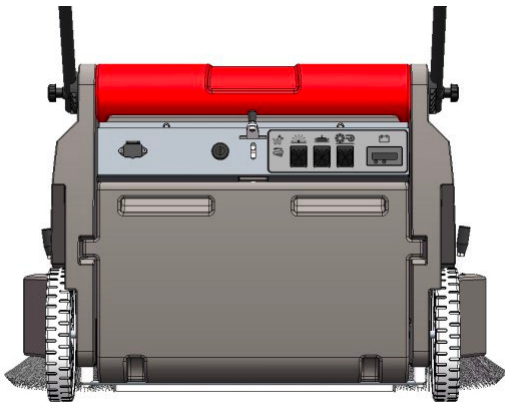


1. Lift the trash bin lock pin upward.



2. Pull the trash bin backward to remove it from the machine, then dispose of the waste at the designated collection point.
3. After emptying the trash bin, insert it horizontally back into the machine. Once fully inserted, press the lock pin to secure it.

*Note: When reinstalling the trash bin, ensure it is properly seated. Check that there is no gap between the trash bin and the sealing strip. If no gap is present, press the lock pin to secure the bin.*



## Charging

1. Open the charging port cover. Insert the charger into the charging port, connect it to the AC power source, and begin charging.
2. When the indicator light on the charger changes from red to green, the battery is fully charged. Disconnect the charger.

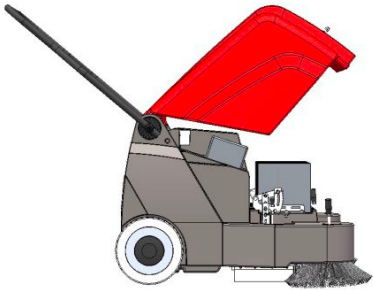
*Note: When the battery level is low, recharge it promptly. Prolonged operation with a low battery may reduce battery life.*

To charge the battery, first connect the charger to the machine's charging port, then plug it into the power outlet.

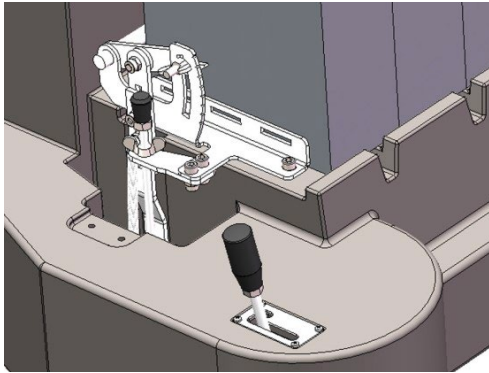
To stop charging, first unplug the charger from the power outlet, then disconnect it from the machine.

Always grasp the plug when unplugging. Never pull on the power cord.

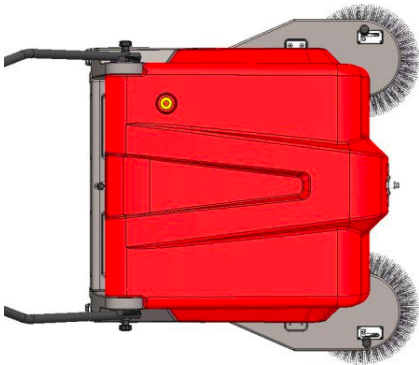
## Adjust the Brush Height



1. Limit Lift the water tank in the direction indicated by the arrow.
2. Pull the left and right brush lift handles to lower the brushes.



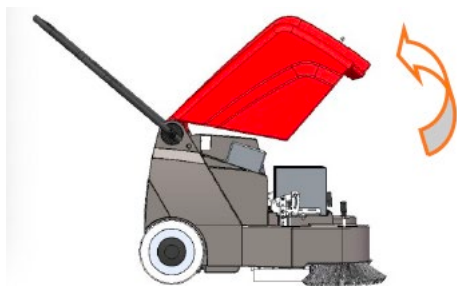
3. Loosen the locking nut.
4. Turn the adjustment screw to set the left and right side brushes to the correct height. (Each side brush must be adjusted separately.)



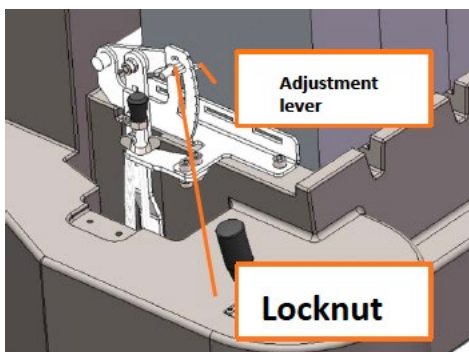
5. As shown in the illustration, adjust the brush so that most of the front bristles contact the ground while the rear bristles remain slightly elevated.
6. Tighten the locking nut.
7. Lower the water tank.

*Note: When installing a new side brush or adjusting a worn side brush, perform the adjustment on a flat surface.*

## Main Brush Height Limit Adjustment

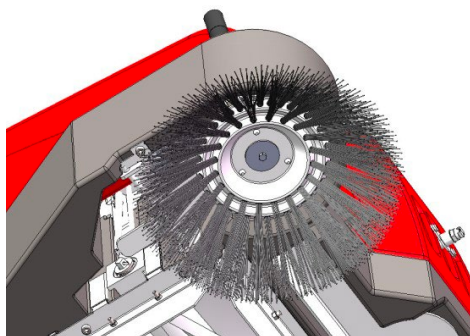


1. Lift the water tank in the direction indicated by the arrow.
2. Loosen the locking nut.
3. Adjust the main brush to the desired height by moving the adjustment rod up or down.
4. Set the brush height so that it makes proper contact with the ground and applies appropriate pressure for optimal cleaning performance.
5. Tighten the locking nut.
6. Lower the water tank.

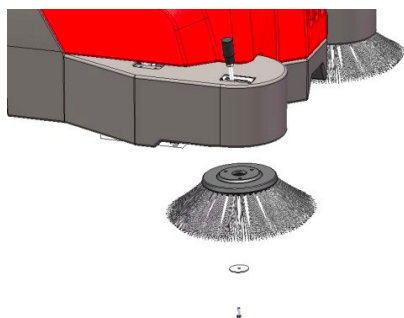


*Note: When replacing the main brush or adjusting it due to wear, perform the adjustment on a flat surface.*

## Change Brush

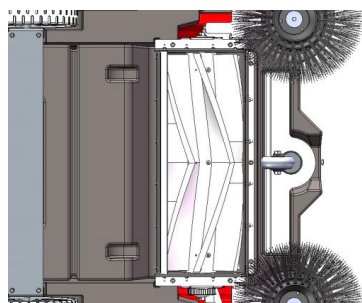


1. Loosen the center mounting bolt of the side brush, as shown in the illustration.
2. Hold the side brush firmly with both hands and press downward to separate it from the mounting flange.



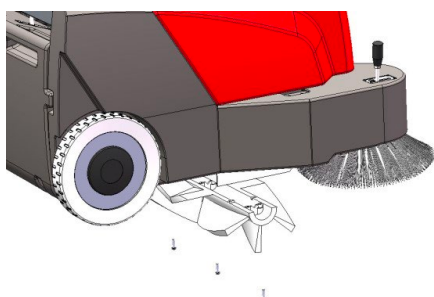
3. Remove the worn side brush and replace it with a new one.
4. Install the large washer onto the mounting pad and tighten the center fixing bolt securely.

*Note: After replacing the side brush, adjust the side brush height as described in the Brush Height Adjustment section.*



## Replace the Main Brush

1. Rotate the main brush to locate the fixing screw, then loosen and remove it.
2. Rotate the brush to the opposite side and remove the fixing screw on that side.

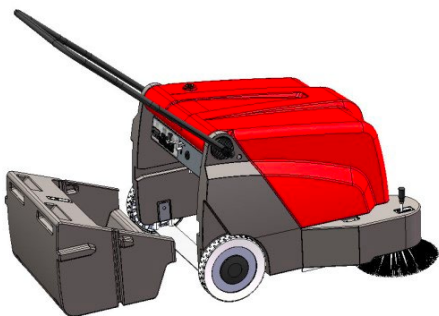


3. Remove both halves of the main brush.
4. Install the new main brush by securing both halves onto the brush shaft. Tighten the fixing screws on both sides.

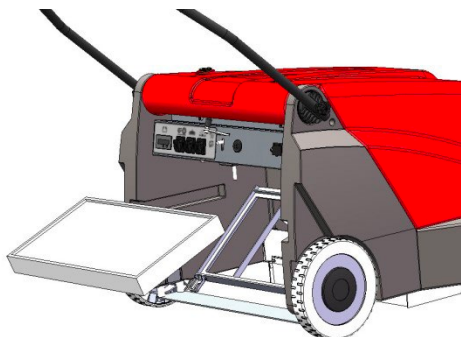
*Note: After replacing the main brush, adjust the brush height as described in the Main Brush Height Adjustment section.*

## Change Filter

1. Remove the trash bin.



2. Loosen and remove the butterfly nuts on both sides of the filter bracket.
3. Lower the filter holder to remove the old filter, then install a new filter.
4. Close the filter holder and tighten the butterfly nuts on both sides.
5. Reinstall the trash bin.



# Troubleshooting

| Problem                   | Cause                                                       | Countermeasure                                               |
|---------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| Excessive dust            | Vacuum fan is off                                           | Turn on the vacuum fan                                       |
|                           | Filter clogged                                              | Clean or replace the dust filter                             |
|                           | Main brush skirt or dust seal worn, damaged, or misadjusted | Replace or adjust the brush skirt and dust seal              |
|                           | Vacuum fan sealing device damaged                           | Replace the vacuum fan seal                                  |
|                           | Vacuum fan malfunction                                      | Contact an authorized service representative                 |
| Poor cleaning performance | Worn bristles                                               | Adjust brush height or replace the brush                     |
|                           | Main brush drive jammed with debris                         | Clear debris from the main brush drive                       |
|                           | Trash bin is full                                           | Empty the trash bin                                          |
|                           | Trash bin seal worn or damaged                              | Replace the sealing strip                                    |
|                           | Side brush drive failure                                    | Contact an authorized service representative                 |
|                           | Main brush drive failure                                    | Contact an authorized service representative                 |
| Reduced runtime           | Battery not fully charged                                   | Charge the battery until the charger automatically shuts off |
|                           | Battery damaged                                             | Replace the battery                                          |
|                           | Charger malfunction                                         | Replace the battery charger                                  |

# Maintenance

## Daily Maintenance

Machine maintenance must be performed by qualified personnel at scheduled intervals. Before performing maintenance, stop the machine, turn off the power supply, and disconnect the battery cables.

To maintain the machine in good working condition, conduct a comprehensive inspection every six months. For safety assurance, a major overhaul should be performed by professional technicians every three years.

Operators responsible for using the machine must receive proper training and maintain accurate maintenance records.

## Regular Maintenance Inspection

Inspection Intervals

Hours of Operation

|    | Inspection Item                                                 | 8 | 40 | 150 | 500 | 1500 |
|----|-----------------------------------------------------------------|---|----|-----|-----|------|
| 1  | Check the belt                                                  |   | .  |     |     |      |
| 2  | Check whether the main brush is entangled with cord-like debris | . |    |     |     |      |
| 3  | Check filter dust accumulation                                  | . |    |     |     |      |
| 4  | Inspect for filter clogging                                     |   | .  |     |     |      |
| 5  | Check wear condition of the main brush and side brushes         |   | .  |     |     |      |
| 6  | Check battery electrolyte level                                 |   | .  |     |     |      |
| 7  | Inspect motor brushes                                           |   |    | .   |     |      |
| 8  | Check the main brush skirt                                      | . |    |     |     |      |
| 9  | Check battery terminals and wiring                              |   |    |     | .   |      |
| 10 | Check the tires                                                 |   |    |     | .   |      |
| 11 | Inspect the vacuum fan motor                                    |   |    |     |     | .    |

# |Storage Instructions

To store the machine for an extended period, follow the instructions below.

*Note: Do not expose the machine to rain. Store it indoors.*

Store the machine on a flat, dry surface. Do not expose the machine to rain or snow. Keep it indoors.

Before storing the machine, fully charge the battery to help extend its service life.

Recharge lead-acid batteries once per month during storage.

Recharge lithium-ion batteries according to the manufacturer's recommendations during storage.

Disconnect the battery before storage.

Store the machine in a dry location and keep the cleaning brushes in a raised position.

*Note: To prevent potential damage, store the machine in an environment free of rodents and insects.*

# 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](mailto: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](http://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**