



Instruction Manual

Battery Powered Artificial Grass Sweeper

Model No:- DP-FS1101

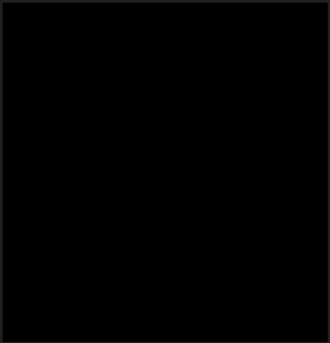


Please read the instruction manual carefully before use

For any service-related issues, please contact us:

Phone Number: 718-301-8243

Email address: support@dapper-supply.com



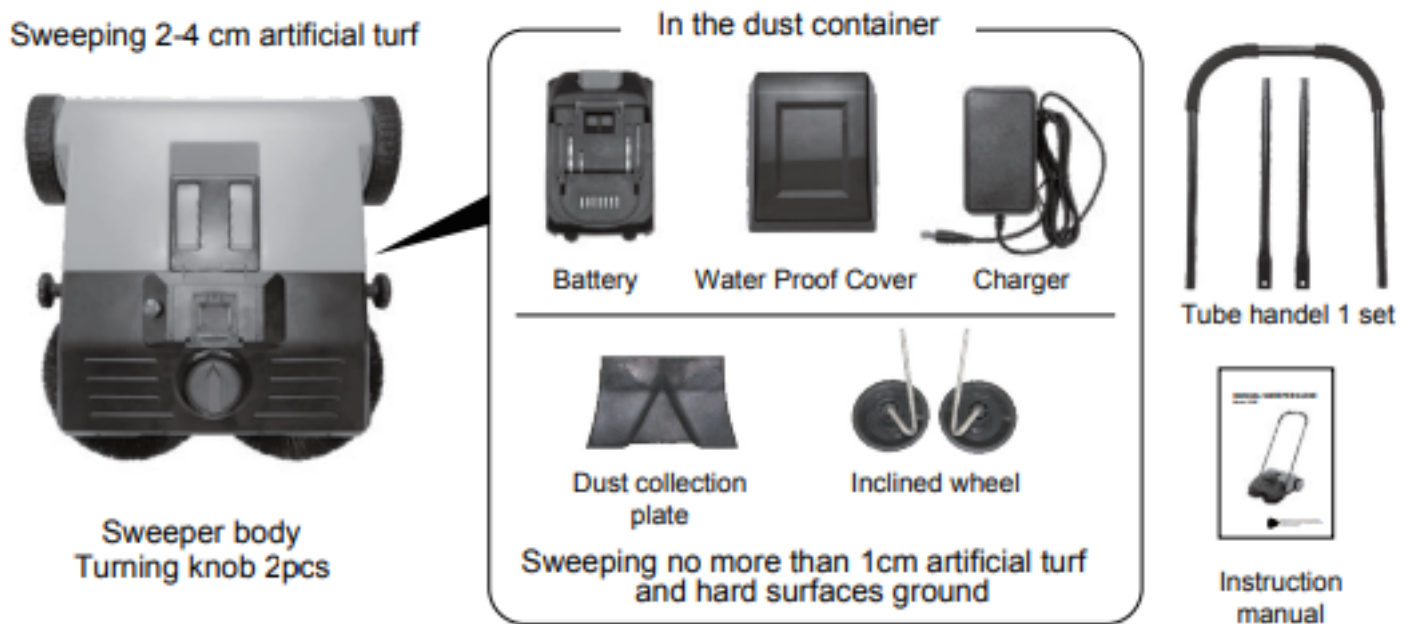
CONTENTS

Parts List	4
Specification	5
Safety	6
Assembly	7
Operation	10
Storage	18
Troubleshooting	19
Warranty	20

PARTS LIST

STANDARD PRODUCTS AND SPARE PARTS IN THE BOX

This sweeper is suitable for cleaning artificial grass with a height of 2–4 cm. If you need to sweep hard surfaces or artificial grass up to 1 cm in height, please replace the guide wheels and install the dust collection plate. Refer to pages P6–P7 for detailed instructions.



For the spare part item numbers listed below, please refer to the exploded view drawing for details.

Technical Specifications

Total Sweeping Width:			21.65 inches
Working Efficiency:			26,910 ft ² /h
Product Size:			45.67 × 21.65 × 23.62 inches
Container Capacity:			6.6 gallons
Net Weight:			18.96 lbs
Packing Size:			22.83 × 9.84 × 24.21 inches
Lithium Batteries	Rated Voltage:		18V
	Battery Capacity:		5Ah
	Continuous Working Time:		5 hours
	Running Temperature:		14°F to 122°F
	Charging Temperature:		32°F to 104°F
	Storage Temperature:		14°F to 104°F
Charger Data	Input Voltage:		100–240V, 50/60Hz
	Output Voltage:		21V
	Charging Current:		2A
	Charging Time:		3–4 hours

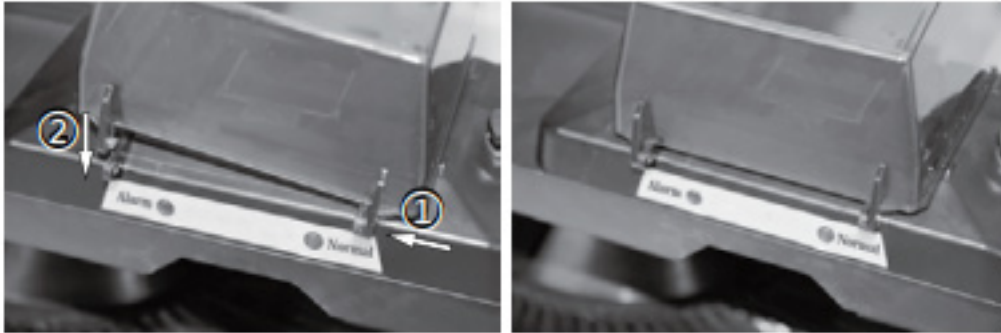
SAFETY

Safety and Operating Guidelines

1. Stay alert when operating the sweeper around children.
2. This machine is not a toy and should be kept out of children's reach.
3. Keep hair, feet, fingers, clothing, and other body parts away from the rotating brushes.
4. Do not operate the sweeper barefoot or while wearing open-toed footwear.
5. Do not expose the sweeper to rain or clean it with water. It is not suitable for sweeping wet surfaces such as rain-soaked or snowy areas, as this may damage electrical components.
6. Do not sweep hot, burning, or smoking items to avoid fire hazards and personal injury.
7. Do not use the sweeper to collect flammable, toxic, or explosive materials.
8. When handling sharp objects such as glass, always wear protective gloves while emptying the bin.
9. Do not operate or store the sweeper near sources of heat.
10. Avoid prolonged exposure to direct sunlight.
11. Store the sweeper in a secure and dry location.

ASSEMBLY

Installing the Waterproof Cover



1. Insert the sliding handle (5.1) into the adjustable handle tube (2).
2. Push the handle in until the spring pin (5.2) clicks into the hole — this indicates proper placement.
3. Insert one side of the cover first, then slide the other side in along the slot.

Installing the Battery



1. Slide the battery into the holder, aligning it with the plug.
2. Push it in until it is fully connected and securely plugged into the end.

HANDLE TUBE ASSEMBLY

Insert the sliding handle (5.1) into the adjustable handle tube (2) and push it in until the spring pin (5.2) clicks into the hole. This completes the installation.



3.ASSEMBLE TUBE HANDLE TO THE SWEEPER BODY

Align the hole in the sliding handle with the screw on the side of the sweeper body, then tighten it using the turning knob (3).



CONTAINER DETACH AND ASSEMBLY

1. Detaching the Container:

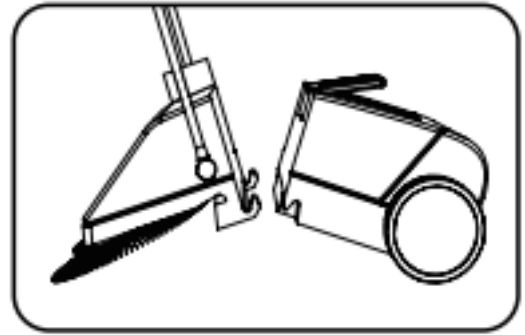
Lift the container handle (36) to release the lock, then gently pull the container away from



2. Container Assembly

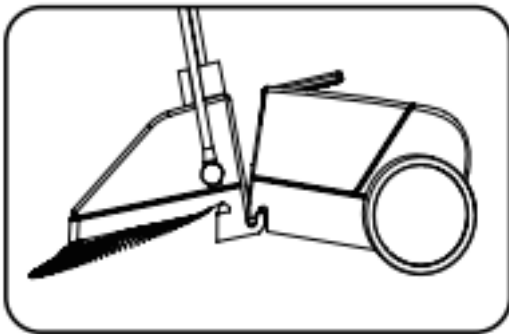
Step 1:

- Lift the container handle and then release it.
- Raise the front section and the container portion to a specific angle, creating a V-shape between the two parts.



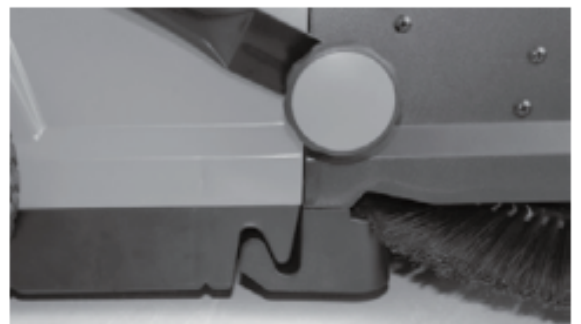
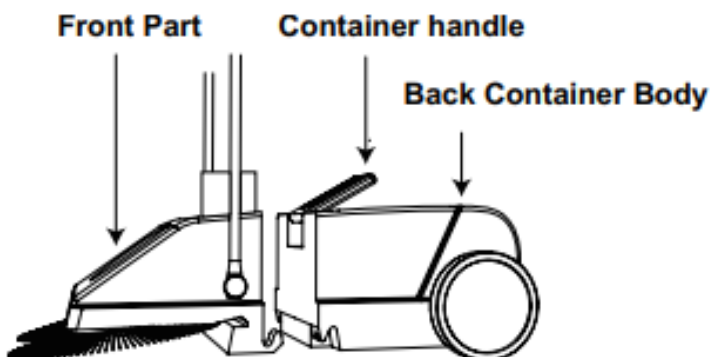
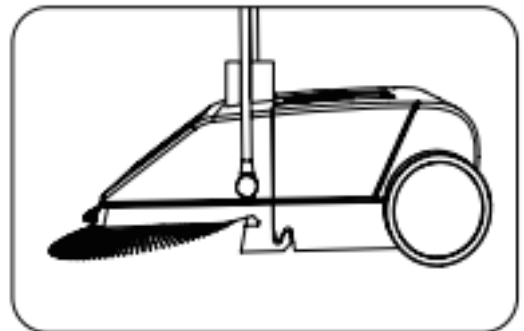
Step 2:

- Align the hook sections of the front body with the groove sections of the back container body, ensuring they connect perfectly.



Step 3:

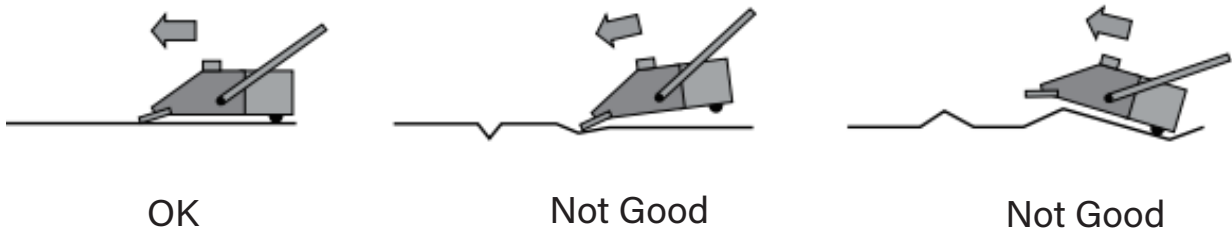
- Attach the front part to the container body.
- Press down the container handle to secure the lock.



OPERATION

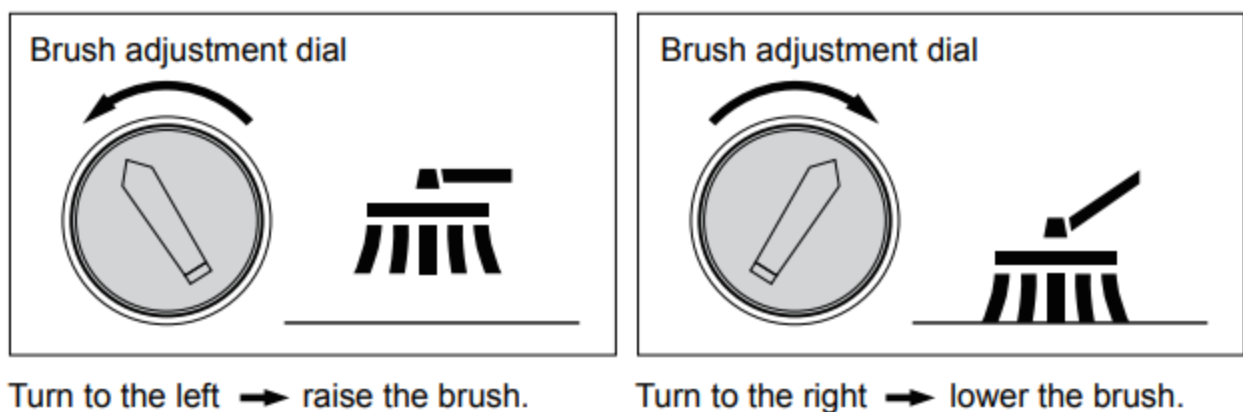
1. Turn on the power.
2. Push by hand—extremely easy to use. A normal walking speed is recommended.
3. Suitable for both wet and dry use, including sawdust, metal filings, leaves, stones, cigarette butts, paper, cans, cups, broken glass, large debris, sand, and dirt.
4. Works on all surfaces, including workshops, driveways, walkways, store fronts, patios, garages, and pool sides.
5. To maximize the waste container's capacity, lift the front of the sweeper to allow the waste to fall to the back of the container.
6. Small traces of fine dust may remain in the middle of the sweeper while in use. Clean this regularly for optimal performance.
7. The surface should be relatively flat, without bumps.

Floor Condition



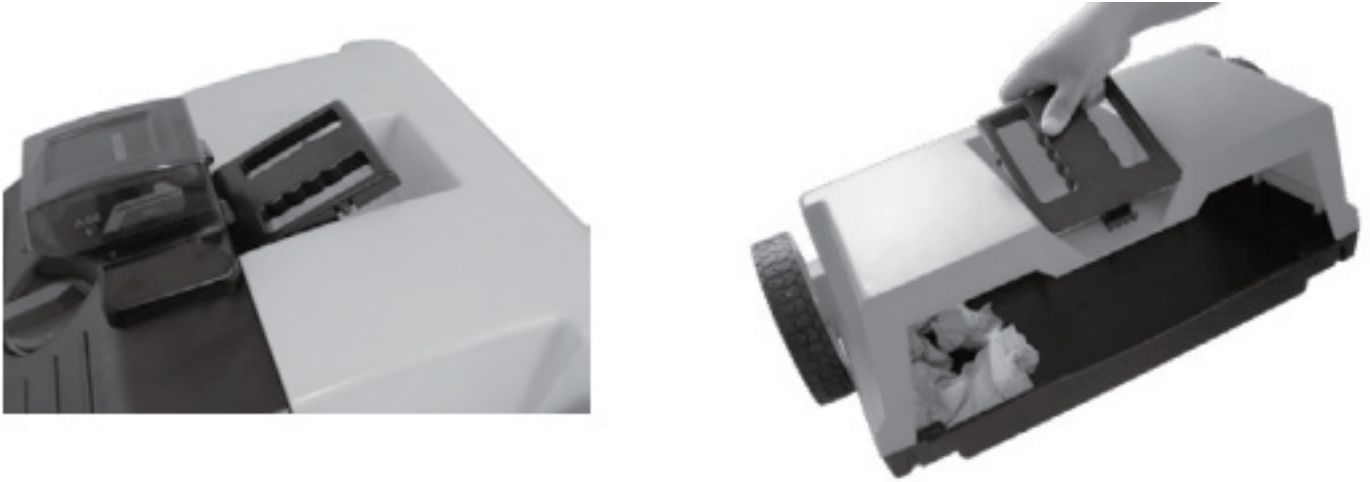
BRUSH ADJUSTMENT

The adjustment knob for the circular broom is located at the front.



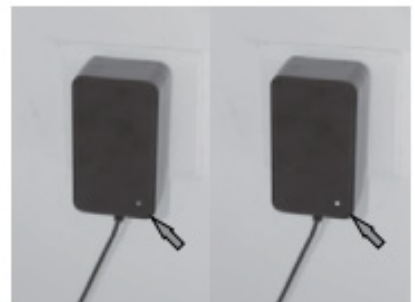
EMPTYING WASTE CONTAINER

Detach the container and empty the contents into a rubbish bin.



BATTERY CHARGING

- Press and hold the spring at the bottom of the battery, pull the battery back, and then remove it.
- When charging, insert the DC side first, followed by the AC side.
- The red light will be on while charging, and the green light will turn on once charging is complete (3-4 hours). Always unplug or insert the charger with dry hands.
- Use only the original charger and keep it away from water.
- The charging environment should be between 0-40°C. Do not charge in areas with flammable liquids, gases, or dust, where there is a risk of explosion.



WORK INDICATOR LIGHT

- Green light always on: Works normally.
- Green light flashing: Overloaded or stalled; turn off the power and troubleshoot.
- Red light always on: Battery is low; charge it as soon as possible.
- Red light flashing: Battery is too low to work; needs to be charged.



REMOVING /INSTALLING THE GUIDE WHEEL AND CIRCULAR BROOM

- Replace the circular brush refer to Figure1.2.3.4.5.6.7.8
- Replacement guide wheels refer to Figure 1.2.7.8



Figure1

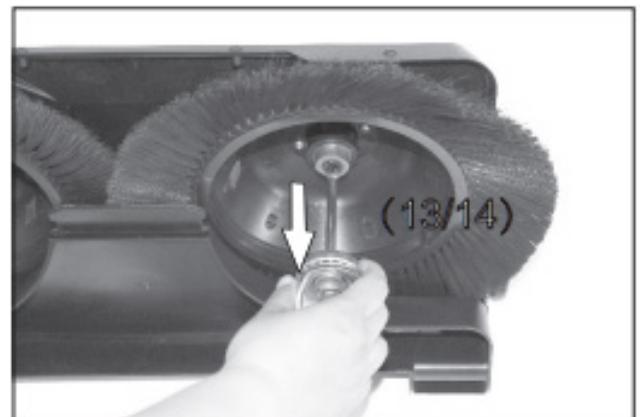


Figure2

- Set the adjusting turning knob to the far right side.
- Pull the guide wheel (13) firmly and remove it.

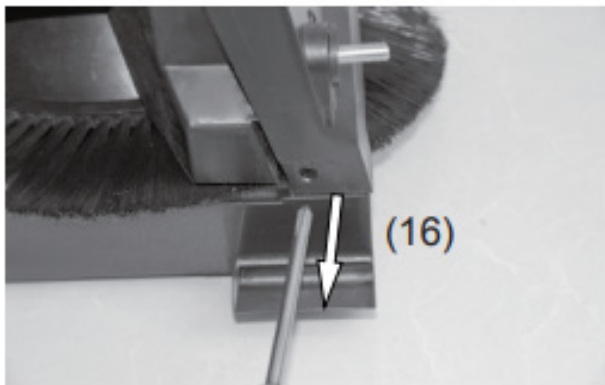


Figure3

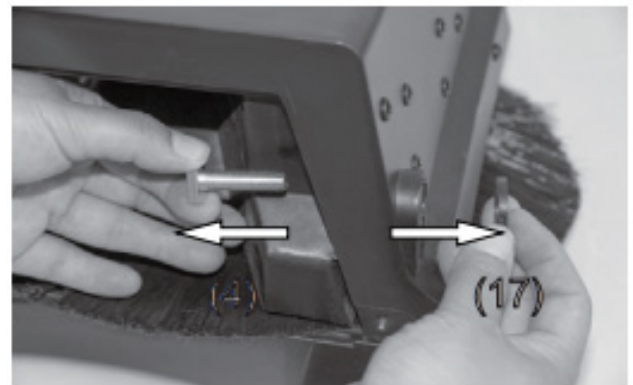


Figure4

- First, remove parts 4, 17, and 16 in order. Then, take off part 15 (the collecting plate).

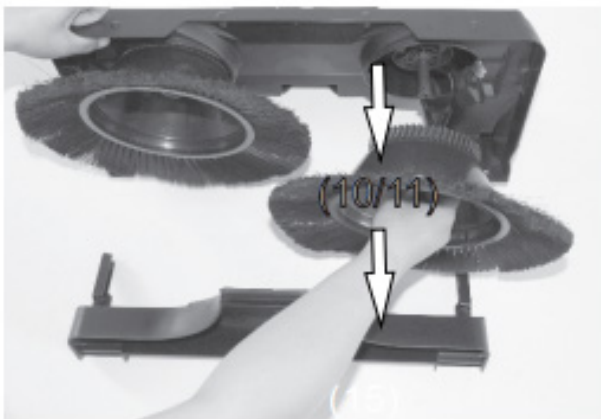


Figure5



Figure6

- Pull out the circular broom (10/11) along with the locknut (12). Insert the locknut into the replacement brush.

- Reinsert the brush and ensure it is fully seated into the rod housing.



Figure7



Figure8

- Reinsert the guide wheel and axle into the rod. Push firmly until the assembly clicks into place.

- Return the adjusting knob to its working position.

- When cleaning hard surfaces or artificial grass up to 1 cm in height, replace the guide wheel with the black one and install a dust collector.
- For the black wheels, pay attention to the left and right orientation:
When pushing the machine forward, L indicates the left side and R indicates the right side.

INSTALL DUST COLLECTION PLATE

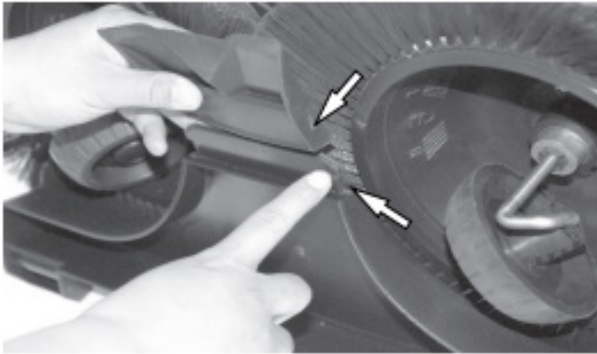


Figure9

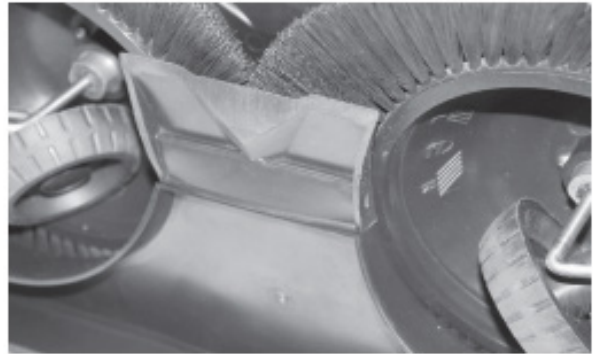
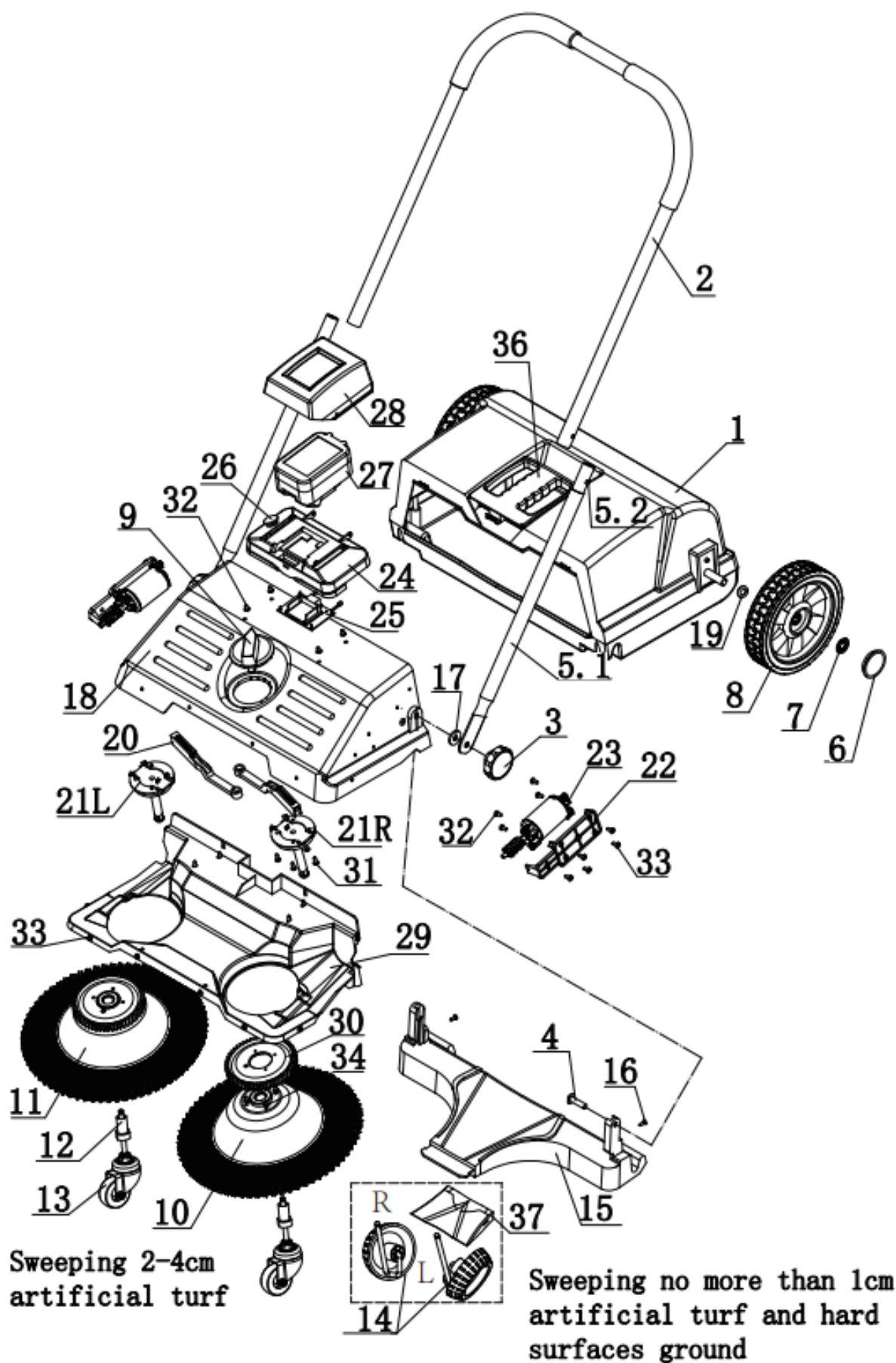


Figure10

- Insert the holes on both sides of the connector into the corresponding tabs on the collecting plate.
- Installation is complete.



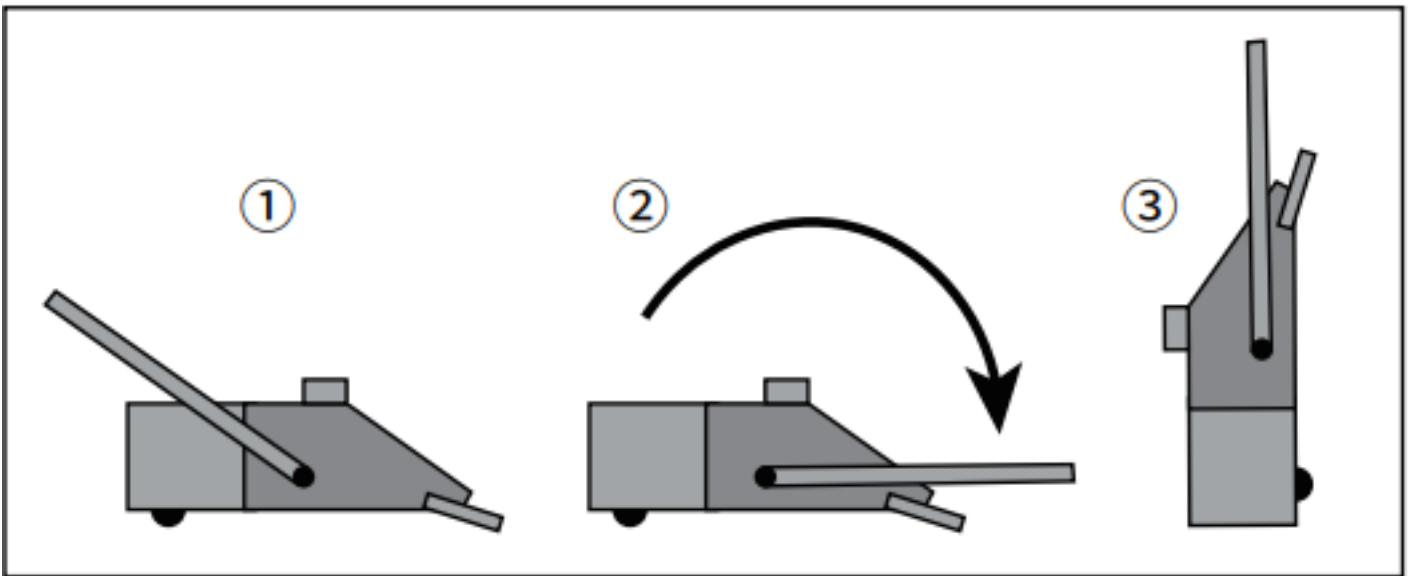
Number	Name	Qty.	Notes
1	Container assembly	1	Assembly Parts
2	Handle	1	Assembly Parts
	Handle grip	2	
3	Turning knob (nut M8)	2	Assembly Parts
4	Bolt M8x30	2	
5.1	Sliding handle parts	2	Assembly Parts
5.2	Stop spring	2	Assembly Parts
6	Wheel cap	2	
7	Quick-fastener 11.5	2	
8	Wheel	2	Assembly Parts
9	Bearing 6901	4	
	Turning knob	1	
10	Left circular broom	1	Assembly Parts
11	Right circular broom	1	Assembly Parts
12	Locknut	2	
13	Guide wheel	2	Assembly Parts
14	Left / Right inclined wheel	L + R	Assembly Parts
15	Collecting plate	1	Assembly Parts
16	Countersunk head self tapping screw ST3.6x13	2	
17	PU Washer	2	
18	Front Cover	1	
19	Washer	2	
20	Adjusting Bar	2	
21	Axle cover	2	R / L
22	Fixed Bracket	2	
23	Front Brush Motor Assembly	2	Assembly Parts
24	Battery Holder	1	

Number	Name	Qty.	Notes
25	Circuit Board	1	Assembly Parts
26	Switch	1	
27	Battery	1	
28	Water Proof Cover	1	
29	Baffle	1	
30	Toothed bushing	2	
31	Cross Pan Head Screw ST3.5x14	8	
32	Cross Pan Head Screw ST4.2x13	12	
33	Flat tail Screw ST M4x12 (black)	22	
34	Cross Pan Head Screw ST4.2x8 (stainless steel flat tail)	8	
35	Charger	1	
36	Container handle	1	
37	Dust collecting plate	1	

STORAGE

Once completed, fold the tube handle flat to make the sweeper stand vertically, allowing it to be hung on a wall to save storage space.

When removing the sweeper, handle it carefully to avoid dropping the handle or the sweeper body, as this could cause damage.



For long-term storage, the battery should be at 60%-70% charge, kept in a dry, shaded place, and fully charged and discharged at least once every three months.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Brush does not turn (green LED light is flashing)	Side brush blockage or entangled foreign objects	Turn off the power and clean up foreign objects
	The brush is too low from the ground and the resistance is high	Rotate the handle to adjust the height of the side brush
Brush does not turn (green LED light is always light)	The gear of side brush is worn out	Replace the gear
Brush does not turn (red LED light is flashing)	power, circuit board protection	Charging
	When the battery is low, the brush is blocked or entangled with foreign objects	Turn off the power and clean up foreign objects
Poor cleaning effect	Wear or missing lining plate of dust collection board	Replace the lining plate of dust collection board
	The trash bin is full	Dumping garbage
Side brush deformation	Improper storage	Remove the side brush hair dryer vertically or scald it

Note:

- This sweeper is designed for hard floor surfaces only. It is not suitable for use on home carpets.
- Before use, ensure the unit is in proper working condition and safe to operate.
- Heavy stones and large tree branches cannot be collected by the sweeper.
- When sweeping very fine dust, a slight residue may remain in the center. A second pass is recommended for optimal results.
- Avoid sweeping long rope-like materials, yarn, or similar items, as they may cause the brushes to tangle or become damaged.

WARRANTY

LIMITED WARRANTY:

Dapper Supply, Inc. extends a limited warranty to the original purchaser, guaranteeing that this Dapper product is free from manufacturing defects in material or workmanship for three years from the date of purchase.

Should you discover any such defect within the warranty period, Dapper Supply, Inc. reserves the right to repair or replace the product without charge, or to cover the cost of replacement parts and repair labor needed to correct defects present at the time of purchase or resulting from regular usage, when the appliance has been installed, operated, and maintained as per the instructions provided.

At its sole discretion, Dapper Supply, Inc. may decide to replace the product. In such an event, your replacement appliance will carry the warranty for the remaining term of the original unit's warranty period.

This warranty is valid exclusively to the original purchaser of the product and only applicable within the United States. The warranty commences from the date of original consumer purchase. Proof of the original purchase date will be required to obtain service under this warranty.

Under this limited warranty, your sole and exclusive remedy will be product repair, as outlined above. All services must be provided by a Dapper-designated service company.

To claim warranty or request repair service:

Email support@dapper.com. Please include your name, address, phone number, warranty repair request, and a copy of your proof of purchase receipt. Alternatively, visit dapper.com and use the contact us page. A Dapper customer service representative will promptly arrange service for your appliance.

We thank you for choosing Dapper.

WARRANTY EXCLUSIONS:

This limited warranty will not cover:

1. Failure of the product to perform during power failures or interruptions, or due to inadequate electrical service.
2. Damage incurred during transportation or handling.
3. Damage caused by accidents, vermin, lightning, winds, fire, floods, or acts of God.
4. Damage resulting from accidents, alterations, misuse, abuse, improper installation, repair, or maintenance. This includes using any external device that alters or converts the voltage or frequency of electricity.
5. Unauthorized product modifications, repairs by unauthorized centers, or use of non-approved replacement parts.
6. Abnormal cleaning and maintenance not aligned with the user's manual.
7. Use of incompatible accessories or components.
8. Any costs associated with repairs or replacements under these excluded circumstances shall be the responsibility of the consumer.

DAPPER