Battery Powered Cordless Backpack Vacuum

# Instruction Manual

**641850**




⚠ Read all instructions carefully before attempting to assemble, operate or maintain this vacuum. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and / or property damage, and will void warranty. Save instructions for future reference.
For more information visit www.globalindustrial.com or contact Customer Service: 1-800-645-2986

# IMPORTANT SAFETY INSTRUCTIONS

This manual outlines essential safety precautions regarding the machine and safety guidelines for the operator. The equipment must be operated, serviced, and maintained in strict accordance with these instructions. If you have any questions or uncertainties, please contact Global Industrial.

SAVE THESE INSTRUCTIONS FOR FUTURE USE.




ELECTRICAL HAZARD

**WARNING - Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.**

1. This machine must only be used for the Global Industrial approved application as described in this manual.
2. Operators must be fully trained in the use of the machine in accordance with these instructions, able to perform regular user maintenance and the correct selection of accessories.
3. Only genuine accessories and spare parts provided with the machine or those approved by the Global industrial should be used. All repairs must be performed by a qualified service agent.
4. Do not use without filters or dust bags in place.
5. Do not modify the machine from its original design.
6. This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
7. The appliance must be power off mains when removing the battery.
8. The battery is to be disposed of safely.
9. Keep children and unauthorized persons away from the machine when in use. Do not use as a toy.
10. DO NOT leave machine running unattended.
11. The battery must be removed when not in use and before commencing cleaning of the machine or undertaking maintenance operations.

12. CAUTION - This machine is for dry indoor use only and should not be used or stored outdoors in wet conditions.
13. DO NOT use where hazardous dust is present.
14. DO NOT use in an explosive atmosphere.
15. DO NOT pick up or use near flammable or combustible fluids, dusts or vapours.
16. DO NOT use to pick up moisture, any liquids or hazardous dust.
17. DO NOT use to clean up any burning or lighted materials such as cigarettes, matches, ashes or other combustible objects.
18. DO NOT use the appliance to vacuum tiny particles like cement or plaster dust as this will shorten life of the motors.
19. Take care when using a machine near the top of stairs to avoid overbalancing.
20. DO NOT put any object into openings. DO NOT use with any opening blocked; keep free of dust, debris and anything that may reduce airflow.
21. Keep hair, loose clothing, hands, feet and all other parts of the body away from openings and moving parts.
22. Switch off the machine before removing the battery.
23. DO NOT operate switches or touch the battery with wet hands as this may cause electric shock.
24. The appliance is only to be used with the power supply unit provided with the appliance. It must only be supplied at safety extra low voltage corresponding to the marking on the appliance.
25. Children should be supervised to ensure that they do not play with the appliance.
26. The battery must be removed from the appliance before it is scrapped.
27. WARNING - Against using non-rechargeable batteries.
28. If the battery pack is leaking or damaged, do not handle. Return it to an Service Centre for disposal.
29. WARNING - Contact with leaking liquid from battery pack can cause skin irritation, burns and chemical burns. Wash affected areas of skin with plenty of water and soap; if irritation persists, seek medical attention.
30. This battery contains Lithium-ion batteries. Used battery packs should be placed in a sealed plastic bag and disposed of safely according to local environmental regulations. Contact an Service Centre for disposal.
31. Precautions to be taken when changing brushes or other attachments.

32. Rechargeable batteries are to be removed from the appliance before being charged.
33. Different types of batteries or new and used batteries are not to be mixed.
34. Batteries are to be inserted with the correct polarity.
35. Exhausted batteries are to be removed from the appliance and safely disposed of.
36. If the appliance is to be stored unused for a long period, the batteries are removed.
37. The supply terminals are not to be short-circuited.
38. WARNING - Operators shall be adequately instructed on the use of these machines.
39. WARNING - This machine is not suitable for picking up hazardous dust.
40. WARNING - This machine is for dry use only.
41. CAUTION - This machine is for indoor use only.
42. CAUTION - This machine shall be stored indoors only.
43. The machine shall be disconnected from its power source during cleaning or maintenance and when replacing parts or converting the machine to another function for battery powered machines by safely disconnecting at least the B+ or B– pole of the battery or an equivalent method (disconnecting device); for non-SELV both poles must be disconnected.
44. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
45. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
46. Recharge only with the charger specified by the Global industrial. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
47. Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
48. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
49. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

50. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.

51. Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.

52. Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.

## SAVE THESE INSTRUCTIONS

This vacuum cleaner is designed for the collection of dust in indoor areas. This machine is for indoor use only. The machine is intended for commercial use, for example in hotels, schools, hospitals, factories, shops, offices, rental businesses and other than normal housekeeping purposes.

Incorrect lifting techniques may result in personal injury. We advise that the manual handling regulations are followed. Store in dry indoor location. Do not expose the machine to rain or moisture. Lift the machine by the carrying handle to transport.

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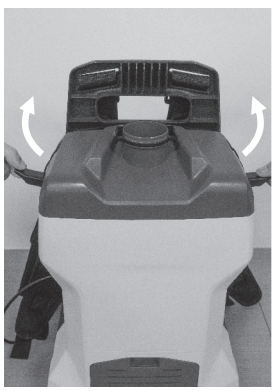
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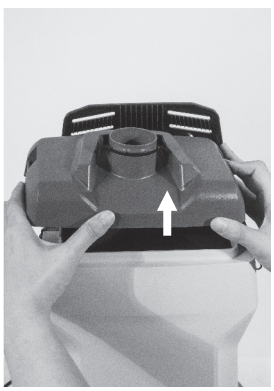
# MACHINE SETUP

## VACUUM BAGS

For the best filtration and dust containment, always use a paper bag along with the cloth bag.

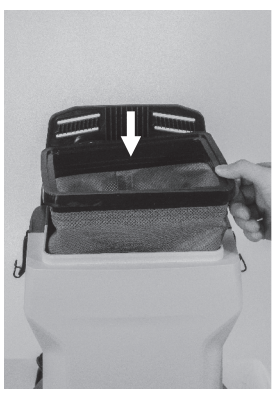
Do not wash the cloth bag. Rather use compressed air to blow the dust out of the cloth bag. Replace the bag if it is worn or damage.

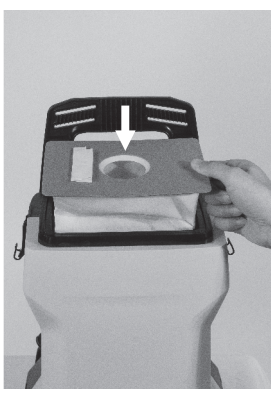




**To install cloth bag and paper bag**

Release the two lid latches and lift the lid.



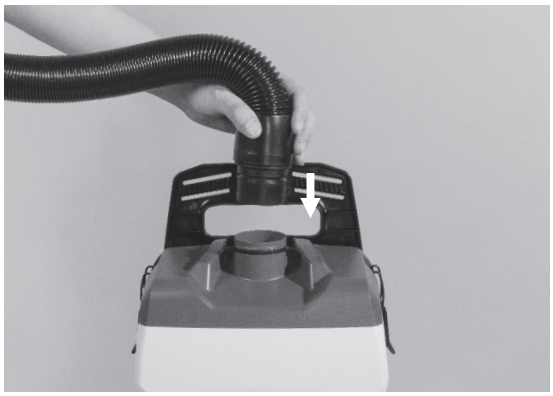


Install the cloth bag firstly.

Insert the paper bag into the cloth bag, ensuring the cardboard collar aligns with the cloth bag seal.

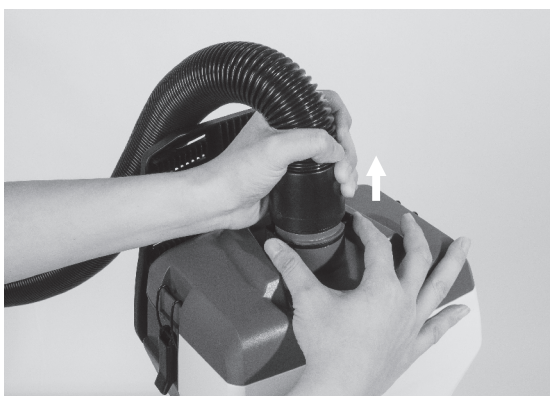


Replace lid and lock latches.



**Install and remove vacuum hose**

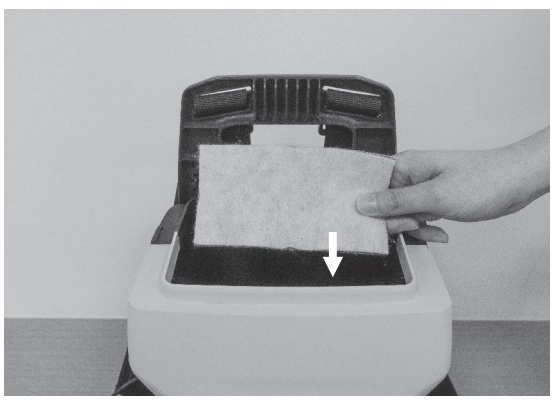
Insert the hose into the hole in the lid and ensure it is positioned correctly.



Press the retaining ring of the hose then pull out the hose for removing.

## FILTERS

The machine is equipped with a pre- installed pre-motor filter and exhaust HEPA filter. Ensure filters are installed before operating the machine. To maintain optimal performance, replace the filters every six months.



**Replace pre-motor filter**

Turn off power switch

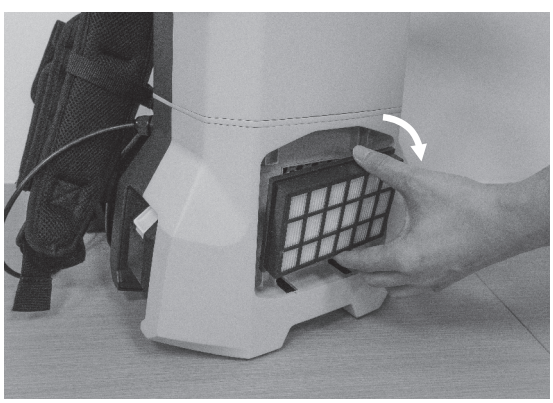
This filter is underneath of the cloth bag, be sure to take off the cloth bag firstly then replace the filter.



**Replace exhaust HEPA filter**

Turn off power switch.

Press downward to remove the filter cover.

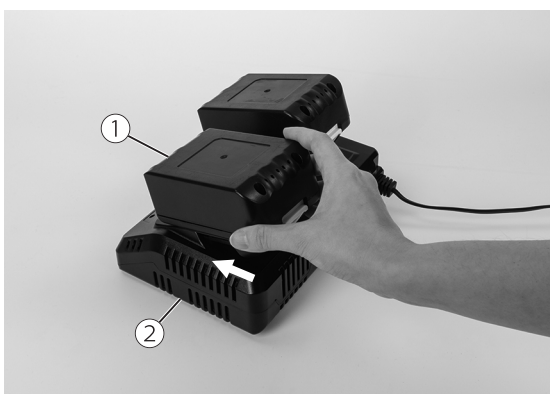


Remove and replace the HEPA filter with a new one and take the filter cover back into position.

## CHARGE BATTERY PACK

Specific Safety Instructions

- For maximum running time, always charge the battery pack before use. There is a power level indicator located at the connector side of the battery pack which indicates the amount of power left in the battery pack power on.
- The battery pack can be charged at any time and does not need to be entirely discharged.
- If charging is required, use original charger when charging this battery pack.
- Charging will not begin if the battery pack temperature is too high or too low, until it returns to a chargeable temperature.
- WARNING Before every use, check the battery pack for any sign of damage or leakage.
- Do not charge damaged or leaking battery pack.
- Be sure to charge the battery pack using a genuine 641850 approved battery charger.
- In case of damage to the device or cords, return it to your place of purchase
- Use and store charger in a dry place and do not expose charger to moisture.
- Do not use the charger if it is wet or in an environment which is explosive or hazardous.




**Charge the battery**

Plug in charger power cord to main power supply.

Put battery pack into charger socket. Ensure putting in correct direction to prevent damage of socket pins.

① Battery
② Charger



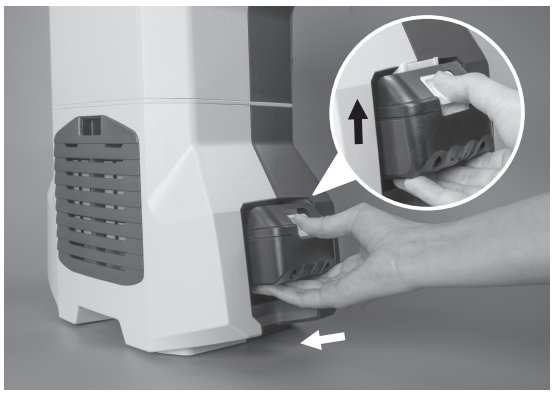
**Remove the battery from charger**

When fully charged, the green light turns on. The battery pack is ready to use.

Press the white button on the battery and pull it out from the charger.

| Note |
| --- |
| - Battery pack performance decreases in low-temperature surroundings, reducing the time the battery pack can be used.<br>- The battery pack become slightly heated while in use. |

| LED Display | | | |
| --- | --- | --- | --- |
| **Red** | **Green** | **Icon** | **In general** |
| ○ | ☀ |  | When the charger plugs in, Green light on, it indicates the charger working normally. |
| ☀ | ○ |  | When battery pack is under charging, it turns on. |
| ○ | ☀ |  | When battery pack is fully charged, it turns on. |

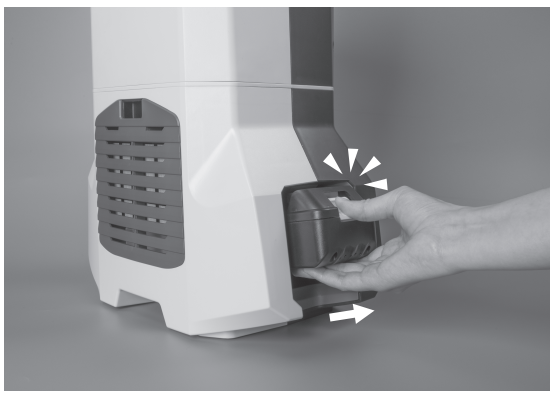


## INSTALL BATTERY PACK INTO VACUUM

Turn off power switch.

Push battery pack upward until top of white button makes contact with the opening of the machine.

Hold the battery pack and place it into the battery slot until it locks securely.



## BATTERY PACK REMOVAL

Turn off power switch.

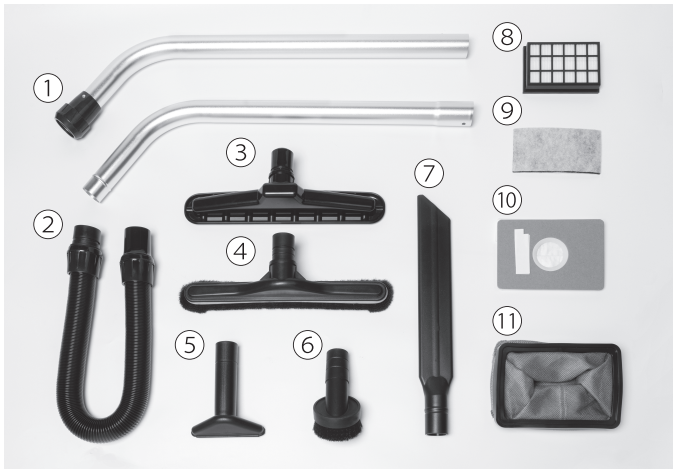
Press the battery pack button and remove it from the unit.

| Battery Specifications | |
|---|---|
| Cell Manufacturer | Tenpower |
| Cell Type | Li-ion INR18650-35HE |
| Pack Nominal Voltage | 18Vdc |
| Pack Nominal Capacity | 6.7Ah |
| Model | RP8827 |

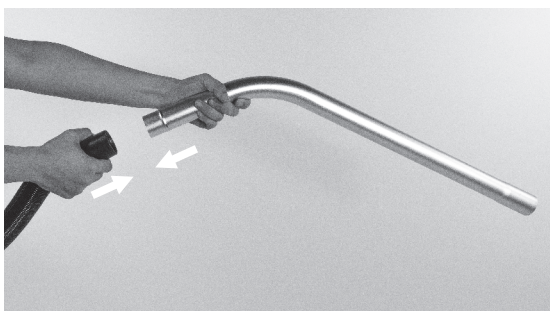
| Charger Specifications | |
|---|---|
| Model | RP8826 |
| Input Voltage | 100~240V 50/60Hz |
| Output Voltage | 21.5Vdc 4.5A (2 port) |

## ACCESSORY

Each machine comes with a variety of accessory tools to meet your cleaning needs.

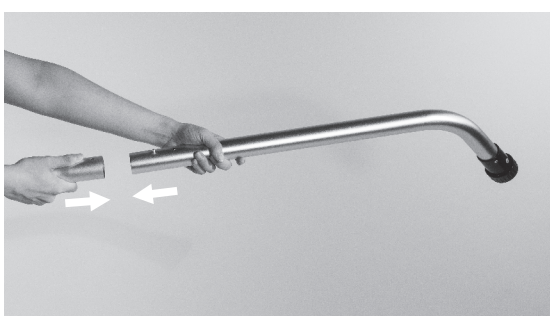



① Curved wand set
② Stretchable Hose cuff set
③ Large floor tool
④ Large floor tool brush
⑤ Upholstery tool
⑥ Dusting brush tool
⑦ Crevice tool
⑧ Hepa w/ carbon filter
⑨ Pre-motor filter
⑩ Paper bag
⑪ Cloth bag

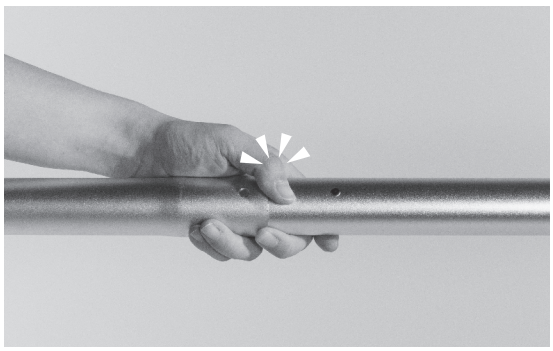


**Two piece two- bend Wands Assembly**

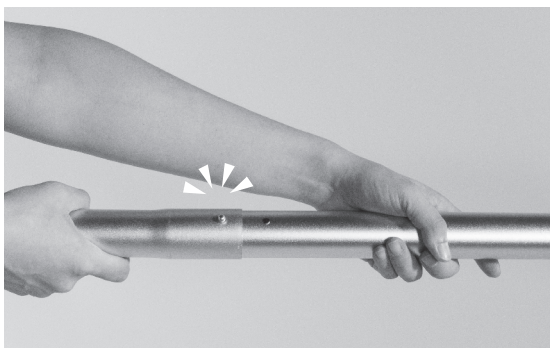
Attach the upper wand with hose.



Align the small silver button on the lower wand with the small opening on the upper wand.



Slide the lower wand into the upper wand until the small button clicks into the small opening.

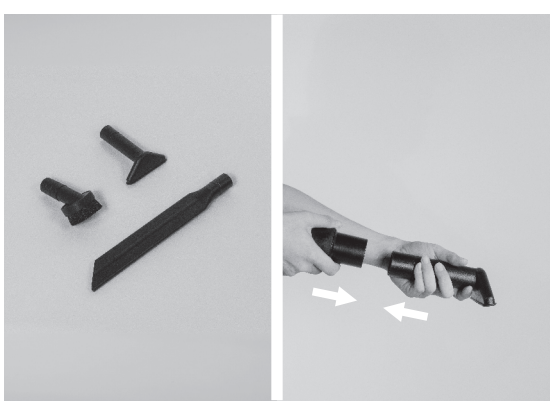


Make sure the wands are jointed properly.



Loosen the cuff on the lower wand by twisting counterclockwise without removing the cuff completely.

Insert the floor tool into the cuff and align the metal ring with the groove in the tool. Tighten cuff by twisting clockwise.



**Off-floor cleaning tools assembly**

For off-floor cleaning, attach the desired accessory tool directly to vacuum hose handle.



## HOW TO ADJUST HARNESS

Fully loosen all harness straps.

Buckle up the belt and adjust it so the machine rests comfortably on your hips.



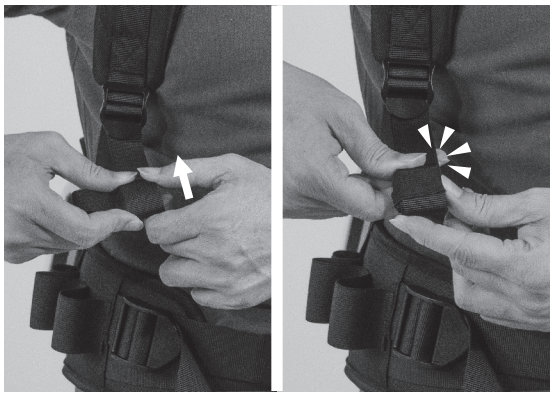
Pull down both sides of shoulder straps for a comfortable fit.



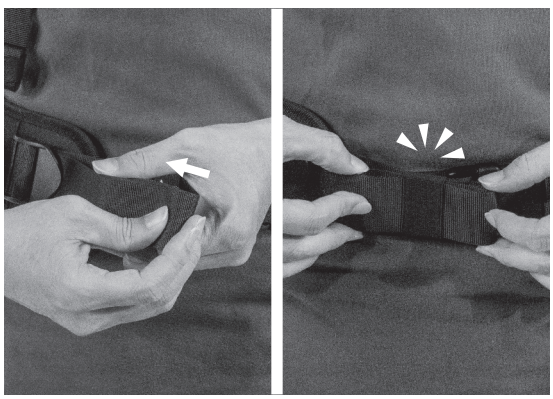
Buckle the chest strap and adjust.



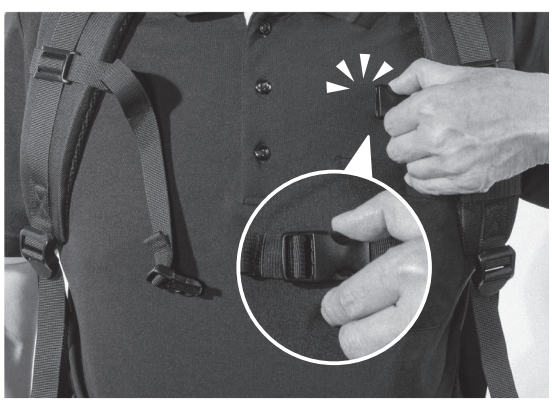
To finalize the adjustment, tighten the two stabilizer shoulder straps as necessary to balance the weight of the machine.



The strap can be rolled up and stored in the elastic loop.

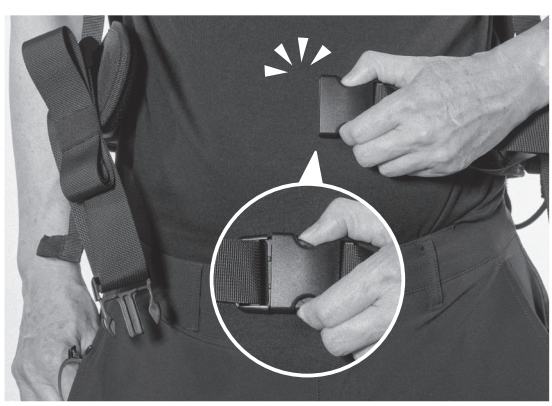


The strap can be rolled up and stored in the elastic loop.



## 2 STEPS QUICK RELEASE HARNESS

Press the release button to unfasten the chest strap buckle.



Press the release button to unfasten the waist strap buckle.

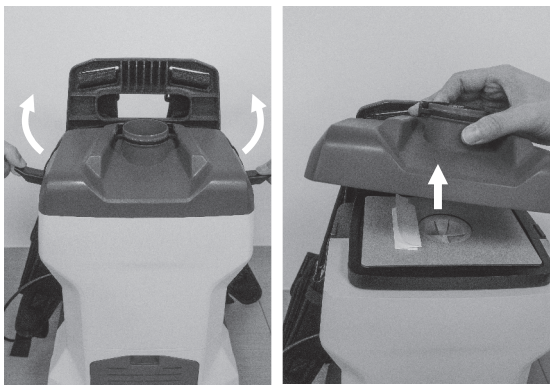
# THERMAL PROTECTOR

The machine comes with a Reset Thermal Fuse Protector. This thermal protector is designed to protect your vacuum cleaner from overheating should the airflow be blocked for extended periods. This may occur if the vacuum bag is overfull or if the vacuum hose is blocked. The vacuum motor will stop before it can get too hot. If this happens, empty and thoroughly clean the vacuum bag and HEPA filter or free any blockage and ensure that adequate airflow is restored. The motor will automatically restart after it has cooled to a safe operating temperature.

To reset the thermal fuse:

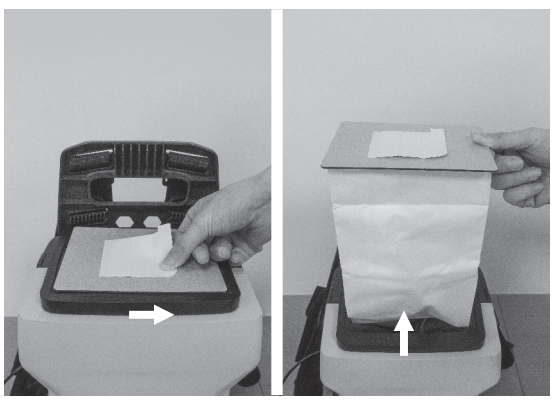
- Switch off the Backpack vacuum cleaner.
- Check the cause of malfunction (over-filled bag, clog in hose, clogged filters, etc.).
- Fix the problem.
- Switch on Backpack vacuum cleaner.

# MACHINE MAINTENANCE



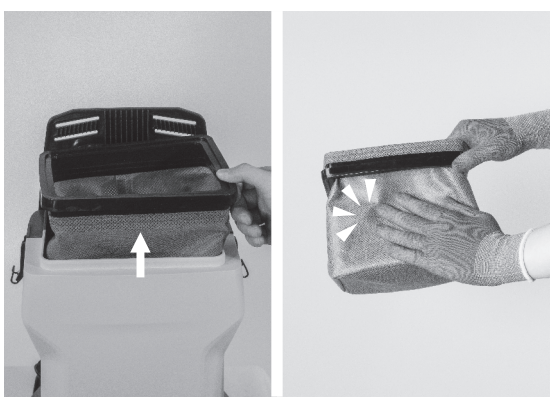
Release the two latches and lift off lid.

Check the paper bag for fullness and replace it once it reaches about two-thirds capacity.



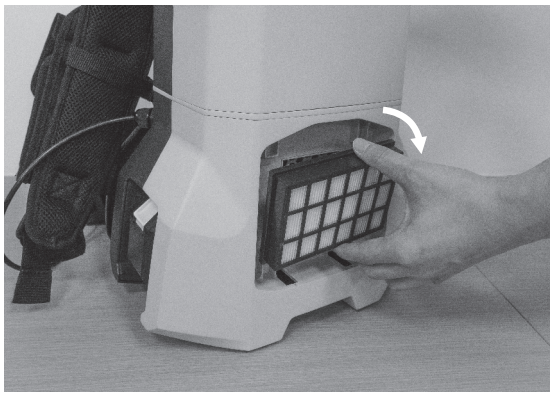
Seal the paper bag opening with the adhesive flap to trap the dust and disposal.

Lift the upper cardboard and remove the dust bag.



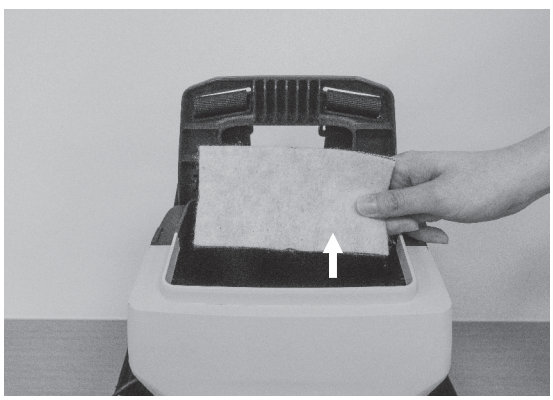
Regularly remove the cloth bag, turn it inside out, and tap off the dust. DO NOT wash cloth bag. Replace bag if worn or damaged.

For optimum filtration and dust containment, always use a paper bag with cloth bag.



Remove and replace the HEPA filter with a new one and take the filter cover back into position.

Replace HEPA filter every six months. HEPA filter cannot be washed or reused.



**Replace pre-motor filter**

Turn off power switch

This filter is underneath of the cloth bag, be sure to take off the cloth bag firstly then replace the filter.

Replace pre-motor filter every six months.

# STORING MACHINE

**Store machine in a cool dry area. Do not expose to rain, store indoors.**

# TROUBLE SHOOTING GUIDE

**The following simple checks may be performed by the operator:**

| Problem | Cause | Solution |
|---|---|---|
| Backpack is not working | Battery is not properly connected to Backpack. | Check and re-connect the battery pack. |
| | Battery pack power is depleted or battery pack is damaged. | Check for any damage. If no damage is found, charge the battery. |
| | Battery pack shuts off due to abnormally high motor temperature. | Turn machine off and ensure hose is unblocked. Ensure dust bag is clean. After 30 minutes the machine should be ready for use. If not, contact a Service Centre. |
| Backpack has no / poor suction | Dust bag is full. | Remove, empty and clean dust bag. |
| | Cloth bag is not installed correctly. | Remove and empty cloth bag making sure the rubber edging is correctly fitted around the machine frame. |
| | Hose is not installed correctly. | Reconnect hose and ensure it is correctly sealed. |
| | Blockages. | Remove hose, wand and floor tools; remove any blockages. |
| | Clogged filters. | Replace filter. |

# TECHNICAL SPECIFICATIONS

| Description | Unit | 641850 |
|---|---|---|
| Voltage DC | V | 36 |
| Construction class | | III |
| Protection class | IP | 20 |
| Power mode | | Power/Eco |
| Vacuum motor power | W | 350/200 |
| Vacuum | IOW | 80/50 |
| Airflow rate | CFM | 60/55 |
| Filtration | | 4-stage |
| Dimensions (L x W x H) | inch | 9.8 x 12.2 x 20.9 |
| Weight | lbs. | 11.0±0.5 |



Do not dispose of this device with unsorted waste. Improper disposal may be harmful to the environment and human health. Please refer to your local waste authority for information on return and collection systems in your area.