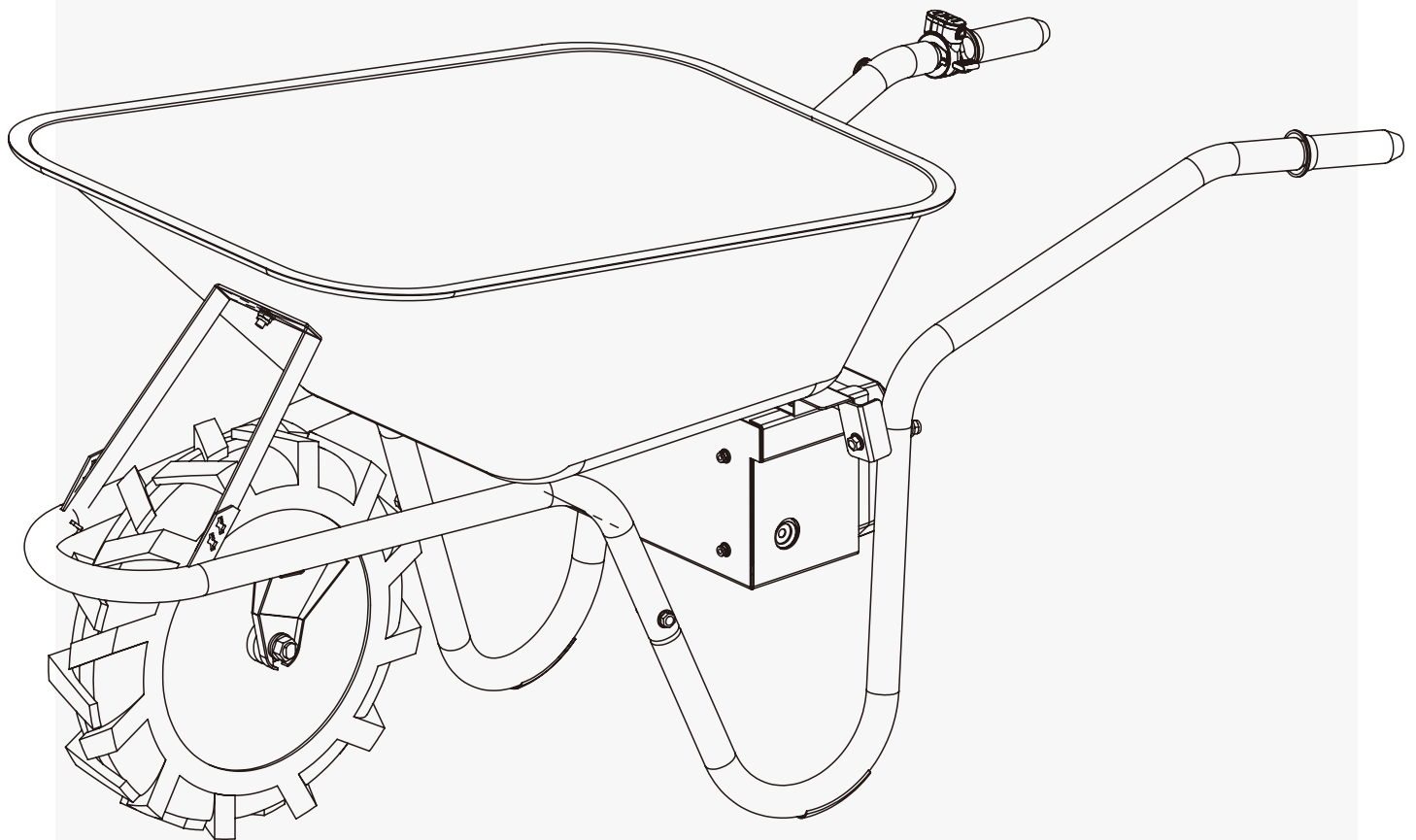




Electric Utility Wheelbarrow | GBOS018 Operator's Manual



Warning: Please read and thoroughly understand all instructions before operating. Failure to follow safety rules and other basic safety precautions may result in serious personal injury. Keep these instructions in a safe and easily accessible place so that they can be referred to when needed. Retain these instructions to assist in future servicing.

INDEX

Technical Specifications	2
Warning	3-4
Components	5-6
Assembly	7-8
Operation	9-10
Maintenance & Storage	10
Warranty	11
Troubleshooting	11
Exploded Parts List	11-12



EC-CONFORM: This product complies with EC directives.



Protect from rain and splashing water!



READ THE MANUAL! Carefully read the user and maintenance manual, and familiarize yourself with the controls to ensure correct usage and to prevent injuries or machine defects.



Protective clothing!



ATTENTION! Ignoring safety signs, warnings on the machine, and operating instructions can result in serious injuries or even death.



No smoking, open flames, or sparks. Keep away from heat sources.



Corrosive (Battery acid).



Explosive gas.

Technical Specifications

SKU#	GBOS018
Rated Voltage	48 VDC
Battery Capacity	2 Ah
Motorpower	500 W
Max. Speed	7 KM/H / 4.4 MPH
Wheel Diameter	410 mm / 16"
Max. Load Capacity	150 kg / 330 lb
Tub Capacity	75 L / 2.65 cubic feet

Warning

Safe Usage Warnings

1. Keep the work area clean and well-lit. Cluttered or poorly lit areas can lead to accidents.
2. Wear non-slip shoes, and if you have safety shoes, use them. Avoid using the power cart while barefoot or wearing open sandals.
3. Do not operate power tools in explosive environments, such as where flammable liquids, gases, or dust are present. Power tools can create sparks that may ignite these materials.
4. Keep children and bystanders away while operating the power tool, as distractions can lead to loss of control.
5. Always stand behind the machine and grip the handles firmly when operating.
6. Do not ride on the machine while using it.
7. Do not allow others to ride on the machine.
8. When operating in reverse, be cautious, watch behind you, and avoid slipping or tripping.
9. Avoid using the machine when visibility is poor to prevent hitting obstacles.
10. Slow down and exercise caution when operating on rough terrain.
11. Avoid soft ground to prevent the machine from overturning due to the ground collapsing.
12. Use only manufacturer-recommended replacement parts and accessories.

Personal Safety Warnings

1. This is not a toy. Children under 14 years old should not operate it.
2. Stay alert, be mindful of your actions, and use common sense when operating a power tool. Do not use a power tool if you are tired or under the influence of drugs, alcohol, or medication.
3. Use personal protective equipment, including eye protection. Depending on the conditions, a dust mask, non-skid safety shoes, a hard hat, or hearing protection can help prevent injuries.
4. Prevent accidental starts. Ensure the switch is in the off position before connecting to a power source or battery pack, picking up, or carrying the tool.
5. Maintain proper footing and balance at all times. This ensures better control of the power tool in unexpected situations.
6. Dress appropriately. Avoid loose clothing or jewelry, and keep hair, clothing, and gloves away from moving parts.
7. If dust extraction and collection devices are available, ensure they are properly connected and used to minimize dust-related hazards.
8. Don't let familiarity with frequent tool use lead to complacency. Carelessness can cause severe injury in an instant.
9. Always wear protective goggles to safeguard your eyes when using power tools.

Loading Safety Guidelines

1. Do not exceed the load limits. Always follow the loading instructions and limits specified in the manual.
2. Secure objects firmly with ropes.
3. Ensure objects are fully placed within the carrier or bucket. Protruding objects can lead to accidents or may hit obstacles like walls.
4. Keep the load below eye level. High loads can obstruct your view and increase the risk of tipping or injury due to imbalance.
5. Distribute the load evenly within the carrier or bucket. Uneven loading can cause imbalance, increasing the risk of tipping and injury.
6. Load and unload objects on flat ground.
7. When lifting or tilting the carrier or bucket, hold the handles and frame securely, and maintain a stable posture.

Usage and Care Warnings

1. Ensure the switch is in the off position before inserting the battery pack. Inserting the battery pack with the switch on can lead to accidents.
2. Recharge only with the charger specified by the manufacturer. Using a different charger may cause a fire risk with incompatible battery packs.
3. Use power tools only with the designated battery packs. Using any other battery packs may cause injury or fire.
4. When not in use, keep the battery pack away from metal objects like paper clips, coins, keys, nails, screws, or other items that could create a connection between terminals. Shorting the battery terminals can cause burns or fire.
5. In case of liquid leakage from the battery, avoid contact. If contact occurs, rinse with plenty of soap and water. If liquid gets into the eyes, seek medical attention immediately, as it may cause irritation or burns.
6. Avoid contact with grounded or earthed surfaces like pipes, radiators, stoves, or refrigerators. Contact with these surfaces increases the risk of electric shock.
7. Do not expose power tools to rain or wet conditions. Water entering a power tool heightens the risk of electric shock.
8. Handle the cord with care. Never use it for carrying, pulling, or unplugging the power tool. Keep it away from heat, oil, sharp edges, or moving parts. Damaged or tangled cords increase the risk of electric shock.
9. When operating a power tool outdoors, use an extension cord rated for outdoor use to reduce the risk of electric shock.

General Safety Warnings



The removal or modification of the safety components may result in damage to equipment and serious injury!

Ambient Conditions

- The machine may be operated: Humidity max.70%, Temperature +5°C to +40°C (+41°F to +104°F).

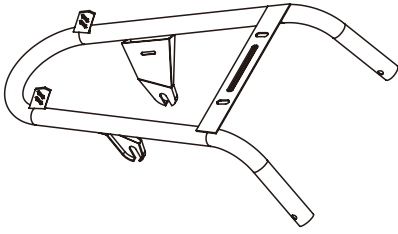
Charger

- The charger is designed exclusively for charging this machine's battery. Do not use it to charge other batteries. Never operate the charger in damp or wet conditions.
- Always disconnect cable connections by pulling the plug, not the cable, to avoid damage and ensure electrical safety.
- If the cord, plug, or charger is damaged, do not use it. Take the charger to a repair workshop.
- Keep the unit away from heat sources.
- Do not use an extension cord to power the charging station.
- Avoid placing metal objects near the charger's contacts. Do not attempt to open the charger. For any issues, contact a specialist workshop.
- Only use the original charger to recharge your battery. Using other chargers may cause damage or pose a fire hazard.

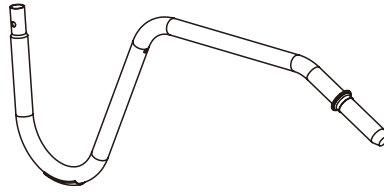
Battery

- Improper use or damaged batteries can release vapors. Move to fresh air and seek medical attention if you experience any symptoms, as the vapors can irritate the respiratory tract.
- FIRE HAZARD! Never charge batteries near acids or flammable materials.
- Charge the battery only in temperatures between 0°C and +40°C. Allow it to cool down after heavy use. EXPLOSIVE! Keep the battery away from heat and fire.
- Use the battery only in temperatures ranging from 0°C to +45°C.
- SHORT CIRCUIT! For disposal, transport, or storage, ensure the battery contacts are covered or taped, or place the battery in a plastic bag or box.
- Never attempt to open the battery.

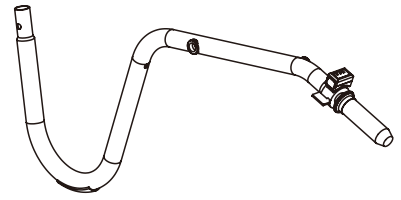
Components



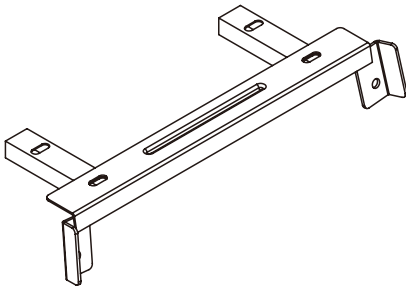
1. Frame



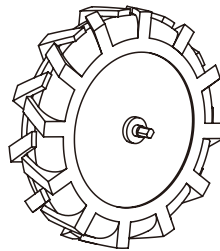
2. Left handle-bar



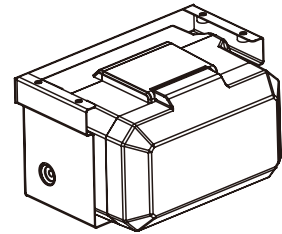
3. Right handle-bar



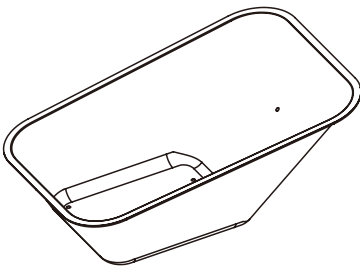
4. Support Frame



5. Motor Wheel



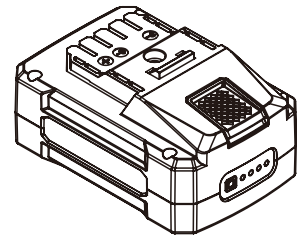
6. Battery Box



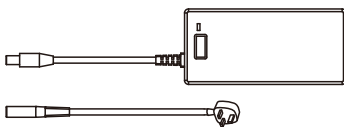
7. Tub



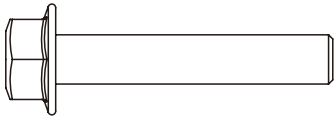
8. Tub Support



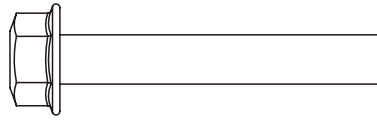
9. Lithium Battery



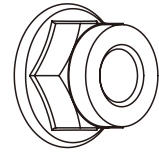
10. Charger



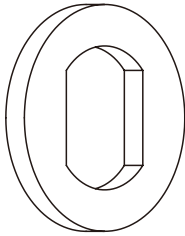
A. M8x45 Bolt x2pcs



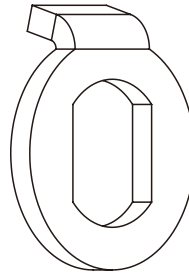
B. M8x50 Bolt x2pcs



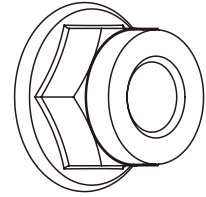
C. M8 Nut x7pcs



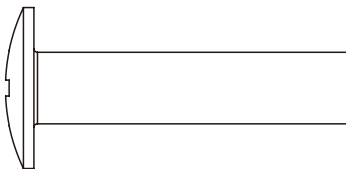
D. Φ 16 Washer x2pcs



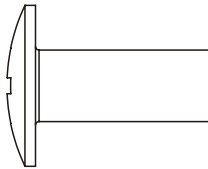
E. Lock Washer x2pcs



F. M16 Nut x2pcs



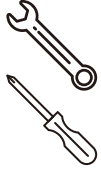
G. M8x35 Screw x4pcs



H. M8x20 Screw x3pcs

Assembly

Scan the QR code to watch the ASSEMBLY video.



Open-end wrench
12mm x1, 13mm x1, 22mm x1 (No included)

Phillips screwdriver x1(No included)

Step 1 - Frame Assembly

Parts: Frame, Left handle-bar, Right handle-bar, Support frame
Hardware: M8 Nuts ×4, M8x45 Bolt ×2, M8x50 Bolt ×2.

Tools: 12mm&13mm open-end wrench (no included)

1. Attach the frame along with the left handlebar and the right handlebar . Secure them using 2 M8*45 bolts and M8 nuts.
2. Attach the support frame to the handle and secure it with 2 M8*50 bolts and M8 nuts.
3. Note: Keep all nuts slightly loose to allow for easy mounting of other components onto the frame.
(Fig. 01)

Step 2 - Wheel Assembly

Parts: Motor wheel, Frame

Hardware: Φ 16 Washer ×2, Φ 16 Lock Washer ×2, M16 Nut ×2

Tools: 22mm open-end wrench (no included)

1. Position the motor wheel as shown.
2. Install 2 Φ 16 washers on both sides of the motor wheel shaft.
3. Mount the frame onto the motor wheel shaft.
4. Install 2 lock washers and M16 nuts on both sides of the motor wheel .
5. Secure the M16 nuts on the outer sides of the frame .

Note: Ensure the tread is facing forward or aligned in the forward direction. Refer to (Fig. 02) for proper installation.

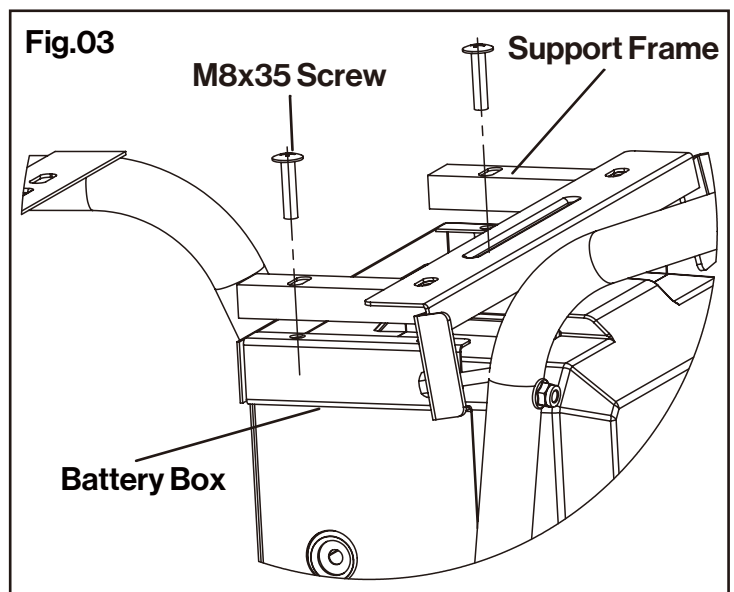
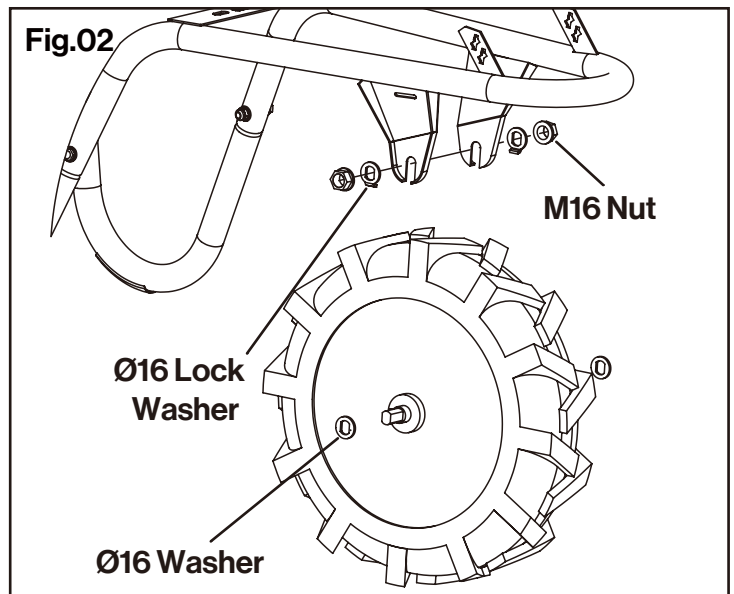
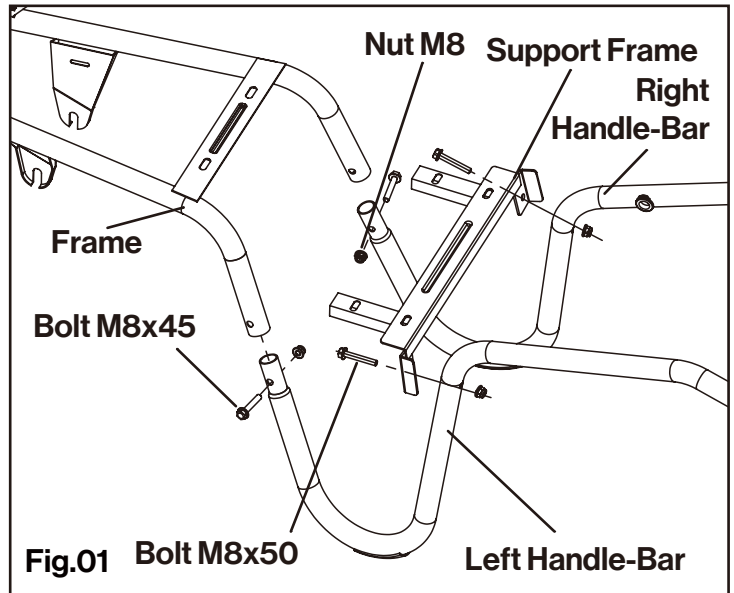
Step 3 - Battery Box Assembly

Parts: Battery box, Support frame

Hardware: M8x35 screws×2

Tools: Phillips screwdriver

Install the battery box to the support frame and secure it with 2 M8x35 screws. **(Fig.03)**



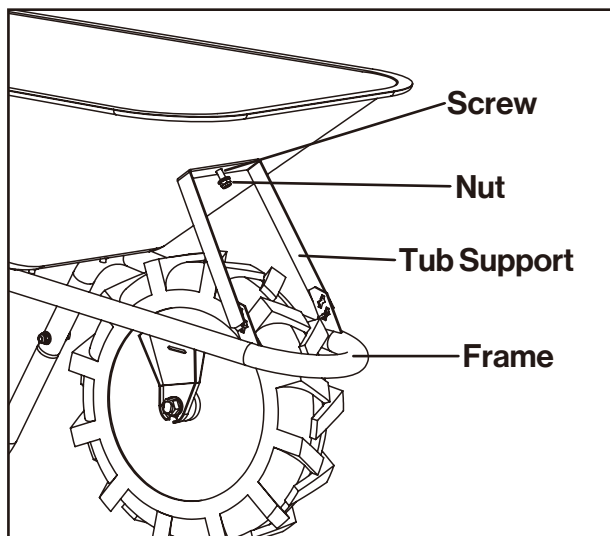
Step 4 - Tub Assembly

Parts: Tub, Tub Support

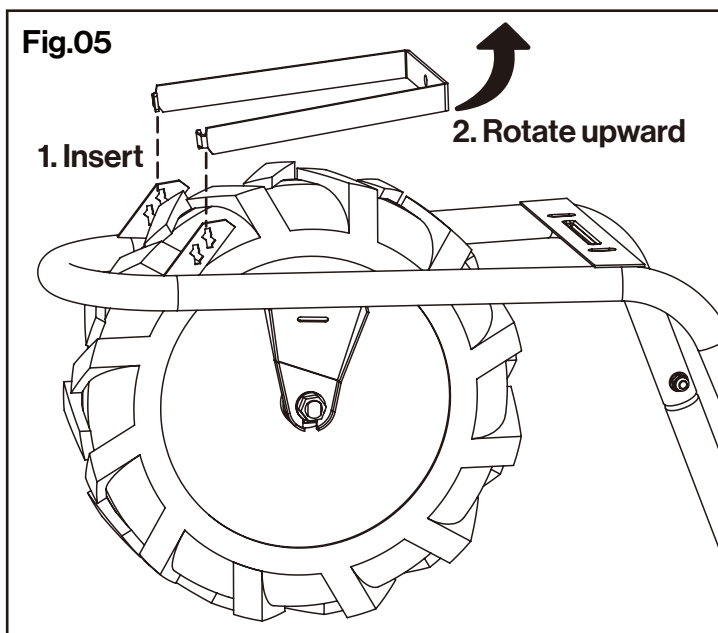
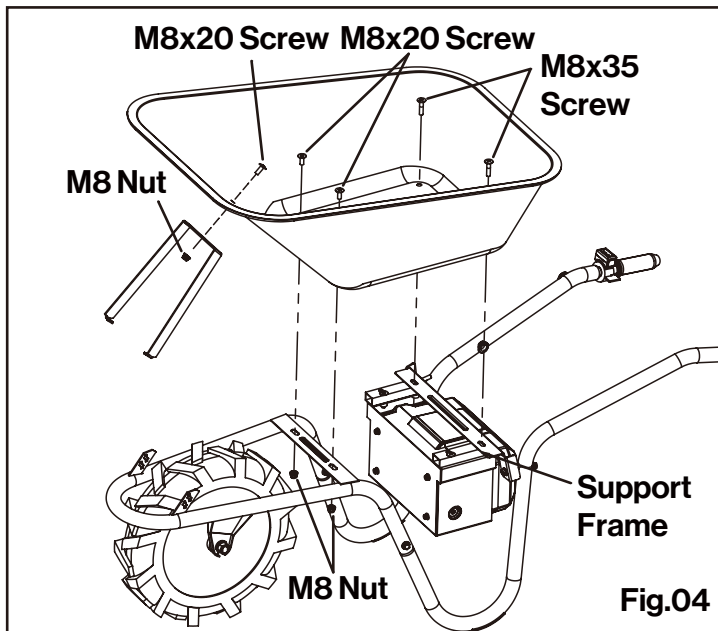
Hardware: M8 Nuts ×3, M8x35 Screw ×2, M8x20 Screw ×3

Tools: 13mm open-end wrench, Phillips screwdriver

1. Install the tub onto the frame and secure it with 2 M8x20 screws and 2 M8 nuts.
2. Secure the tub to the support frame using 2 M8x35 screws.
3. Attach the tub support to the frame and tub, securing it with 1 M8x20 screw and 1 M8 nut.
4. Tighten all screws and nuts. **(Fig. 04)**

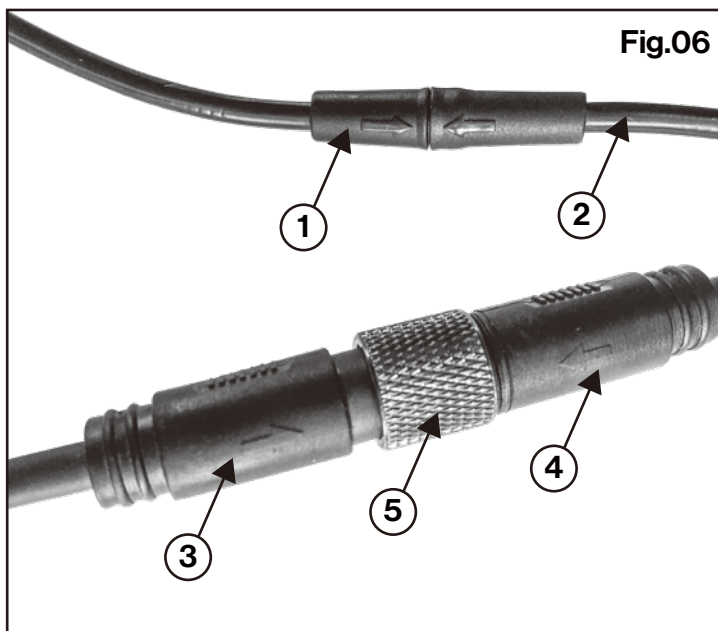


Note: When installing the tub support, first insert it into the frame parallel to the frame, then rotate it upward at an angle before securing it to the tub. **(Fig. 05)**



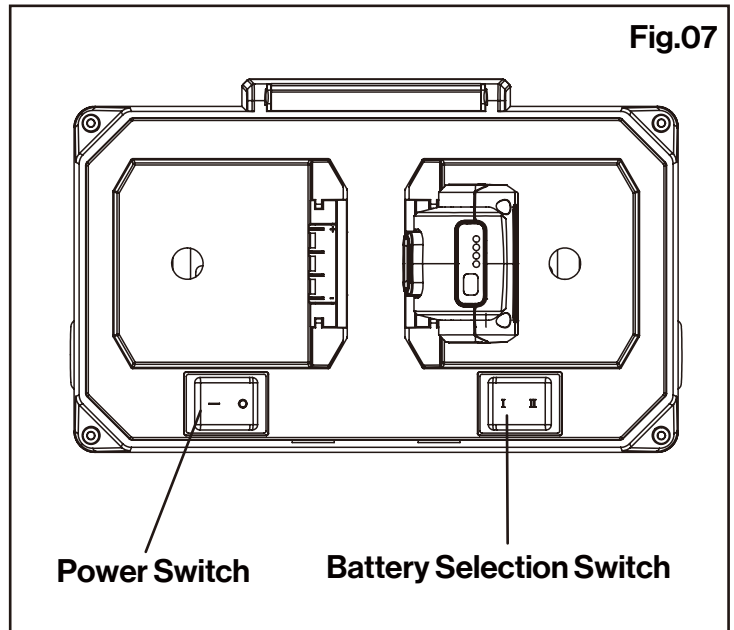
Step 5 - Connecting The Cable

1. Connect the cable ① to the cable ②.
2. Connect the cable ③ to the cable ④.
3. Tighten the waterproof cap ⑤. **(Fig.06)**
4. **Note:** Ensure the arrow on the cable connector is aligned before inserting.



Operation

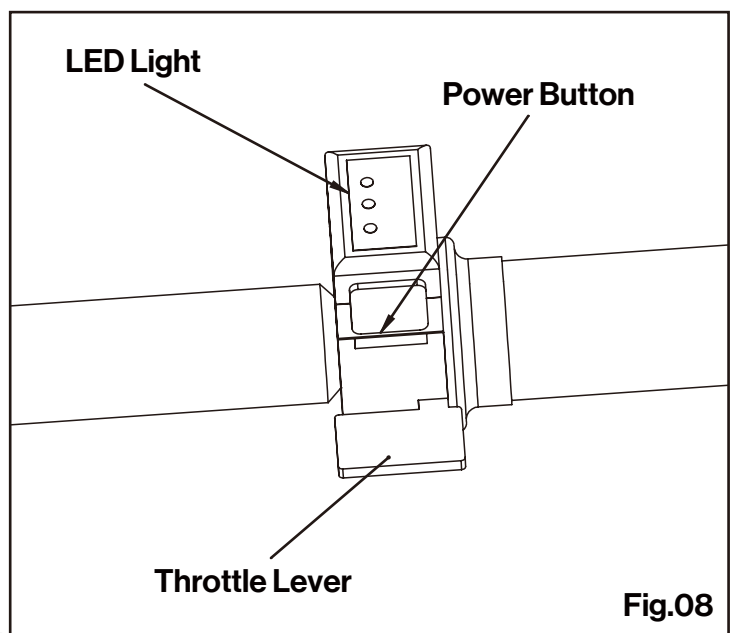
First move the battery selection switch to the battery compartment on the side with the battery you want to use, and then turn on the power switch. (Fig.07)



Press the power button. The LED lights on the throttle control display will turn on, indicating the machine is ready to use. To start moving, press and hold the throttle lever, adjusting the speed by applying more or less pressure. (Fig. 08)

Battery Life Indicator

During normal operation, all three LED lights on the battery indicator will be on, indicating full power. When the middle orange light starts flashing, it signals a low battery and needs charging or replacement. If the lights turn red, the machine will stop automatically.



Battery & Charger Safety Guidelines

1. Fully charge the battery before first use, as it ships with only half capacity. (Fig. 09)
2. Insert the charger pin into the battery and plug the charger into a 100-240V AC outlet. A red light will appear on the charger. Charge the battery until the light turns solid green.
3. Always charge the battery at room temperature (recommended range: 32°F/0°C to 120°F/49°C). If the battery has been used in a cold environment, allow it to warm up for at least one hour before charging. Cold batteries may not charge fully, and components could be damaged.
4. Charge the battery in a well-ventilated area, away from flammable materials like cloth or carpeting.
5. To disconnect the charger, first unplug it from the outlet, then disconnect it from the battery.
6. Do not leave the charger connected to the battery for more than 24 hours.

The battery status indicator is located on top of the battery to help you monitor the charge level while in use. To check, press the indicator button. The lights will display the charge level as follows:

- | | |
|---|---|
| a) One LED (red): 0–30% capacity | b) Two LEDs (one red, one green): 30–60% capacity |
| c) Three LEDs (one red, two green): 60–80% capacity | d) Four LEDs (one red, three green): 80–100% capacity |

If the battery becomes warm or hot during charging, disconnect it from the charger. Allow it to cool to room temperature, then try charging again. If the issue occurs a second time, disconnect the battery and contact customer service.

Battery Maintenance

1. Fully charge and discharge the battery at least once every 8 months to maintain its health.
2. Store the battery with a full charge.
3. When not in use, keep the battery pack away from metal objects like paper clips, coins, keys, nails, or screws, which could connect the terminals and cause a short circuit, leading to burns or fire.

Charger

- The battery is charging when the LED light on the charger is red. Once fully charged, the light will turn solid green.
- The provided charger has built-in overcharge protection to prevent the battery from being overcharged.
- Charging time is approximately 1.5 to 2 hours for a fully discharged battery.
- Regularly inspect the charger for damage to the cord, plug, casing, or other parts. If any damage is found, do not use the charger until it has been repaired or replaced.
- Unplug the charger from the wall outlet when not in use. As a safety mechanism, once the charger stops because the battery is fully charged, it must be reset by unplugging it from the outlet before it can charge again.



Fig.09

- **Use only the charger provided with this machine or a manufacturer-recommended replacement.**
- **Failure to ensure compatibility, correct installation, operation, or maintenance of any charger, component, or accessory can lead to serious injury or death.**

Maintenance & Storage

Maintenance

- Unplug the battery before performing any maintenance or adjustments!
- Serious injury can occur due to unintentional or automatic activation of the machine. The machine requires minimal maintenance.
- Have any malfunctions or defects serviced by trained personnel only.
- Clean your machine after every use to prolong its lifespan and maintain a safe working environment.
- Repairs should only be carried out by trained professionals. Regularly check the condition of safety stickers and replace them if needed. Also, inspect the machine's condition.

Cleaning

- Using solutions with ingredients that damage metal surfaces or scrubbing agents can harm the machine's surface.
- Clean the machine's surface with a cloth dampened in a mild solution. Never use running water or a high-pressure cleaner. Clean the outer parts with a damp sponge.
- Never clean electronic parts with water.
- Inspect the machine and remove any deposits or residues with a brush.

Storage

- Clean all components thoroughly before storing.
- Store all components separately in a dry area at a temperature no lower than -10°C

Warranty

Twelve (12) months for workmanship of the product, except for wearing parts. Warranty period starts from the product purchase date.

Warranty covers material quality and workmanship only.

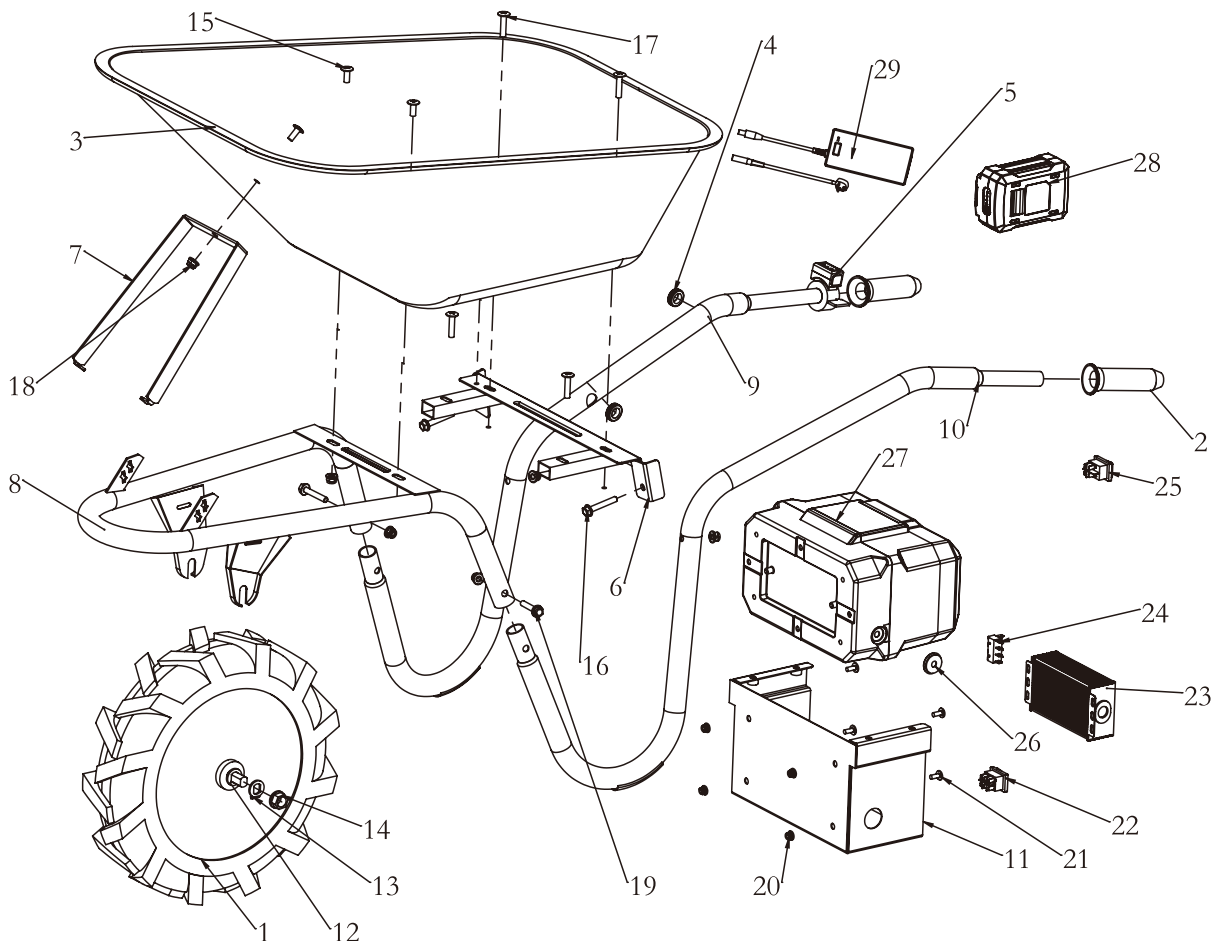
Warranty does not cover product for issues caused by improper usage or any operation not in accordance with the specifications of this manual. Any modification or tampering with the product in any way voids the warranty.

Troubleshooting

BEFORE ATTEMPTING ANY REPAIRS, DISCONNECT THE BATTERY.

Issue	Possible Cause	Solution
No Power, no lights turn on. Wheelbarrow doesn't move.	Battery is not charged.	Recharge battery.
	Motor stuck.	Check motor.
	Power switch is damaged.	Check switch.
	Broker or loose cables.	Check cable.
Battery is not charging.	Loose cable.	Check cable connection.

Exploded Parts List



Part No.	Description	Q'ty	Part No.	Description	Q'ty
1	Motor Wheel	1	16	Bolt M8x50	2
2	Handle-bar Grip	2	17	Screw M8x35	4
3	Tub	1	18	Nut M8	7
4	Rubber Sleeve	2	19	Bolt M8x45	2
5	Throttle Controller	1	20	Nut M6	4
6	Handlebar Support	1	21	Bolt M6x15	4
7	Tub Support	1	22	Battery Selection Switch	1
8	Frame	1	23	Motor Driver	1
9	Right Handle-bar	1	24	Battery Connector	2
10	Left Handle-bar	1	25	Power Switch	1
11	Battery Box Mount	1	26	Rubber Plug	2
12	Washer 16	2	27	Battery Box	1
13	Lock Washer 16	2	28	Battery	2
14	Motor Wheel Nut M14	2	29	Charger	1
15	Screw M8x20	3			



Great Circle USA

Email: service@greatcircleus.com

www.greatcircleuk.com

www.greatcirclede.com