Bäumr-AG®

BPR-900E

POWER BARROW DUMPER



User Manual

[Revision 6.0]

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description, and packaging.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You WILL be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be KILLED or SERIOUSLY INJURED if you do not follow instructions.



You CAN be INJURED if you do not follow instructions or equipment damage may occur.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases, or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well it.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol, or medication.
- This equipment is not intended for use by persons with reduced physical, sensory, or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start, or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors, and vents.

General Equipment Use and Care

- Keep packaging away from children and pets, potential risk of suffocation or choking.
- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage, or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases, or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids, or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

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General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Always use a Residual Current Device (RCD) (GFCI) / Earth Leakage Circuit Breaker / Safety Switch when operating this item (electrical items only).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories, or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service-related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Child Choking Hazard!



- **WARNING: CHOKING HAZARD - CHILDREN UNDER 8 YRS. CAN CHOKE OR SUFFOCATE ON SMALL PARTS. ADULT SUPERVISION REQUIRED.**
- Carefully inspect anything a baby or child could gain access to, including this product & packaging.
- Dangers include anything of a size that could become stuck or lodged in a baby or child's airway.
- Dangers include things like raw, hard fruit and vegetable pieces, large pieces of meat, bones or sausage skins, popcorn, nuts, hard lollies and corn chips, small magnets and batteries, coins, beads, marbles and small uninflated balloons, broken toys and smaller toys, buttons, keys and coins. But there are also many more.
- Pay particular attention to accessories, nuts, bolts, screws, washers, caps, covers, loose parts, parts that could be removed or break off, pieces of packaging, staples, tape etc.
- In the case of any doubt, secure the item of concern in an appropriate manner, or completely remove the possibility of access by a baby or child.

Power Barrow Dumper Safety

- The machine must only be used for its intended purpose! Any other use is deemed to be a case of misuse.
- To use the machine properly you must also observe and follow all safety regulations, the assembly instructions, operating, and maintenance instructions lay down in this manual.
- All people who use and service the machine must be acquainted with this manual and must be informed about the machine's potential hazards.
- The machine is used for transportation of gods within the maximum permissible load capacity.
- **ANY MANIPULATION OF THE MACHINE OR ITS PARTS IS A MISUSE, IN THIS CASE THE MANUFACTURER CANNOT BE MADE LIABLE FOR ANY DIRECT OR INDIRECT DAMAGE.**
- **WARNING! THE REMOVAL OR MODIFICATION OF THE SAFETY COMPONENTS MAY RESULT IN DAMAGE TO EQUIPMENT AND SERIOUS INJURY! HIGHEST RISK OF INJURY!**
- Ambient conditions. The machine may be operated:
  - humidity max. 70%
  - temperature +5°C to +40°C (+41°F to +104°F)
- The machine, especially the battery; may not be exposed to a temperature of about 80 ° C. Do not store in the blazing sun or a long time in the trunk of a car.

Prohibited Use

- The operation of the machine outside the stated technical limits described in this manual is forbidden.
- The operation of the machine without provided protective devices is prohibited.
- The use of the machine not being suitable for the use of the machine and not being certified is not allowed.
- The use of the machine not according with the required dimensions is forbidden.
- Any manipulation of the machine and parts is forbidden.
- The use of the machine for any purposes other than described in this user-manual is forbidden.
- It is not allowed to leave the immediate work area during the work is being performed.

Security instructions

- Missing or non-readable security stickers must be replaced immediately!
- The locally applicable laws and regulations may specify the minimum age of the operator and limit the use of this machine!
- To avoid malfunction, machine defects and injuries, read the following security instructions!

General

- Use the machine only in good enough light to allow a safe operation can be guaranteed.
- In tiredness, decreased concentration or under the influence of alcohol or drugs, the work on the machine is prohibited!
- Caution in slippery conditions - slip hazard - risk of injury. When working, robust and non- slip footwear. Slides / stumble / traps are a major cause of serious injury or death.
- The machine must be operated only by trained persons (knowledge and understanding of this manual), which have no limitations of motor skills compared with conventional workers.
- Keep the machine in use with both hands.
- Unauthorized persons, especially children and not trained personnel must be kept away from the running machine!
- If you pass the machine to third, these instructions must be attached to the machine. Before the start, after the failure or shock, be sure to check the device and make sure that it is in good condition.
- Take special care when work near swimming pools or garden ponds. Never use the machine when it is raining or in damp, wet areas.
- Unplug battery before all maintenance and settings!

Charger

- The charger is designed exclusively to charge the battery of this machine. Charging other batteries is not permitted.
- Never use the charger in a damp or wet environment.
- Disconnect cable connections only by pulling the plug. Pulling on the cable could damage the cable and plug and electrical safety would no longer be guaranteed.
- Never use the charger if the cord, plug or the appliance itself is damaged by external influences. Attach the charger then to the next workshop.
- Do not use the unit near heat sources.
- Do not use extension cord to supply power to the charging station.
- Do not place metal objects in the charging contacts of the charger. Do not open the charger. In case of failure, contact a specialist workshop.
- Use to recharge your battery only with the original charger. Use of other chargers could cause defects to occur or a fire hazard.

Battery

- Improper use or the use of damaged batteries leaking vapours. Run to fresh air and seek medical attention in case of complaints. The vapours can irritate the respiratory tract. FIRE HAZARD! Never charge batteries near acids and flammable materials.
- Charge the battery only in an ambient temperature between 0 ° C to +40 ° C. Leave to cool down after heavy load.
- EXPLOSIVE! Protect the battery from heat and fire.
- Use the battery only in an ambient temperature between 0 ° C to +45 ° C.
- SHORT CIRCUIT! For disposal, transport or storage, the battery must (plastic bag, box) or the contacts are packed must be taped.
- Never open the battery.

Remaining Risk Factors

- Despite intended use, certain residual risks remain. Due to the design and construction of the machine, hazardous situations may occur.
- Irrespective of all safety regulations, your common sense and your corresponding technical suitability/training are and will remain the most important safety factor for error-free operation of the machine. Safe working depends first and foremost on you!

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.



Flammable Material Hazard
Flammable liquids, gases, or substances etc may present. Avoid ignition sources and open flames. Danger of fire.



Read User Manual
Read and fully understand product safety warnings, operation, procedures etc before using the product.



Use Hand Protection
Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.



Carbon-Monoxide Hazard
Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.



Electrocution / Electrical Shock Hazard
High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.



Toxic Fumes / Dust Hazard
Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.



Explosive Material Hazard
Combustible liquids, gases, or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.



Cutting / Amputation Hazard
The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.



Crush Hazard
The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.



Single Operator Only
The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.



Use Face Protection
Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.



Use Foot Protection
Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.



Use Eye / Ear / Head Protection
Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing, and head hazards.



Running Hazard
Do not run on or near the product as doing so may present a fall hazard.



Diving Hazard
Do not dive into the product as doing so may present a neck / head injury hazard.



Adult Supervision Required
Always supervise children and other users of a product to prevent drowning or injury.



Skin Penetration / Puncture Hazard
The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.



Hot Surface Hazard
Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.



Flying Debris Hazard
Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.



Moving Parts Hazard
Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.

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 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.	 **Slope / Fall Injury Hazard** Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.	 **"Slam Dunk" Warning** Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.
 **Electrocution / Electrical Shock Hazard - Outdoor** High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp, or wet conditions. Electrical shock can be fatal.	 **Electrocution / Electrical Shock Hazard - Disconnect** High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.	 **Power Line Electrocution Hazard** High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.	 **"Kick-Back" Hazard** High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.
 **Winch Operator Position Hazard** Do NOT stand between winch and load. Do NOT use winch to move people.	 **Winch Lift Hazard** Do NOT LIFT load vertically. Use machine to PULL only.	 **Cable Hazard** Ensure that load bearing cable is not kinked or knotted.	 **Winch Cable Hazard** Ensure that there is a minimum number of cable coils on winching mechanism.
 **Winch Hook Hazard** Carry hook to load – do NOT throw or run.	 **Flash / Blinding Hazard** Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.	 **Laser Hazard** Laser may be in use – do NOT look directly at laser or allow others to.	 **Choking Hazard** Children under 8 yrs. Can choke or suffocate on small parts. Adult supervision required.

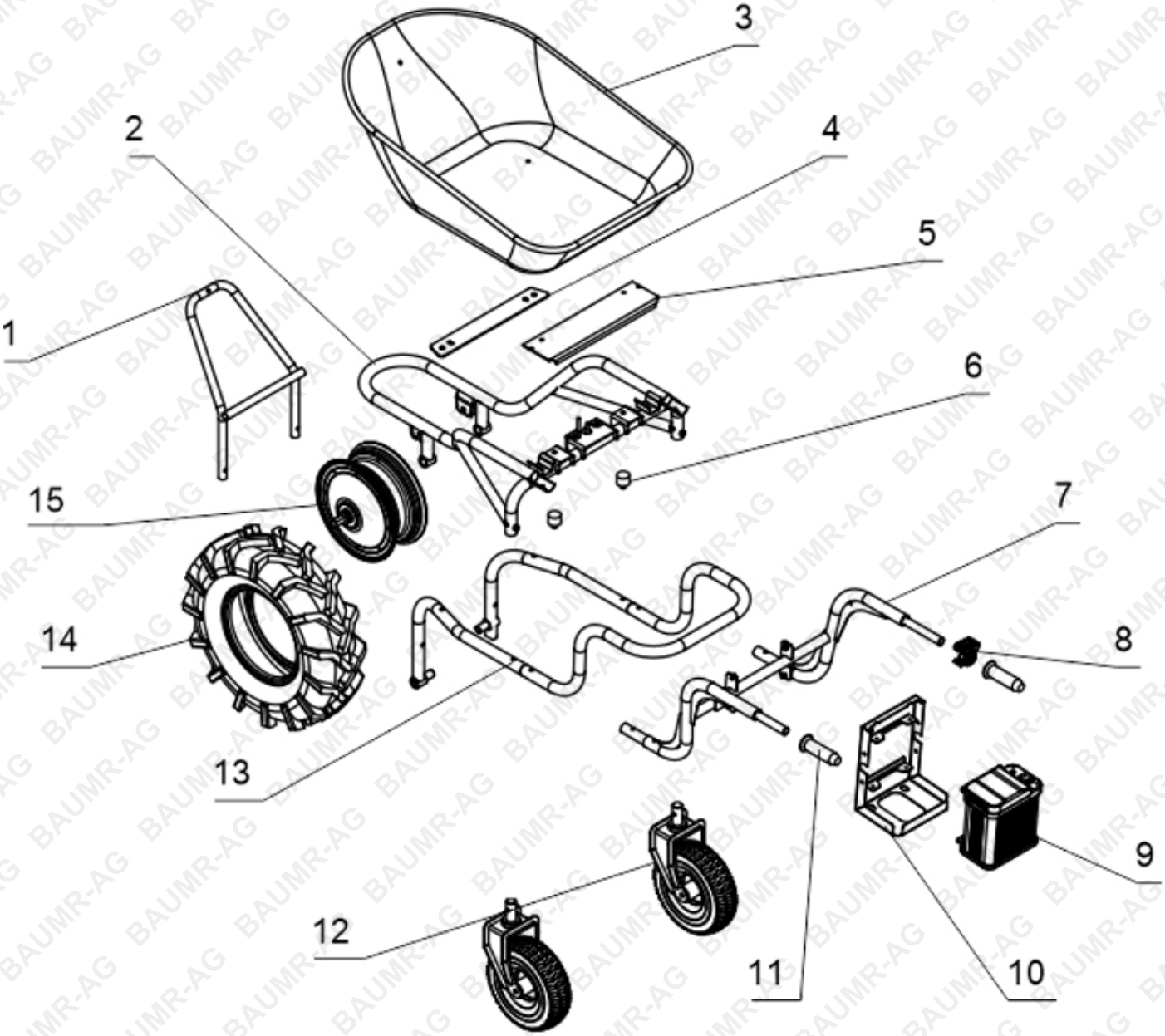
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Parts Identification



No.	Name	Qty.
1	Front tray support	1
2	Lower main frame	1
3	Tray	1
4	Front reinforced rib	1
5	Front reinforced rib	1
6	Shock absorber	2
7	Handle	1
8	Motor control lever	1

No.	Name	Qty.
9	Battery box assy.	1
10	Battery box support	1
11	Handle cap	2
12	Universal wheel	2
13	Upper dumper frame	1
14	Motor assy.	1
15	Tyre	1

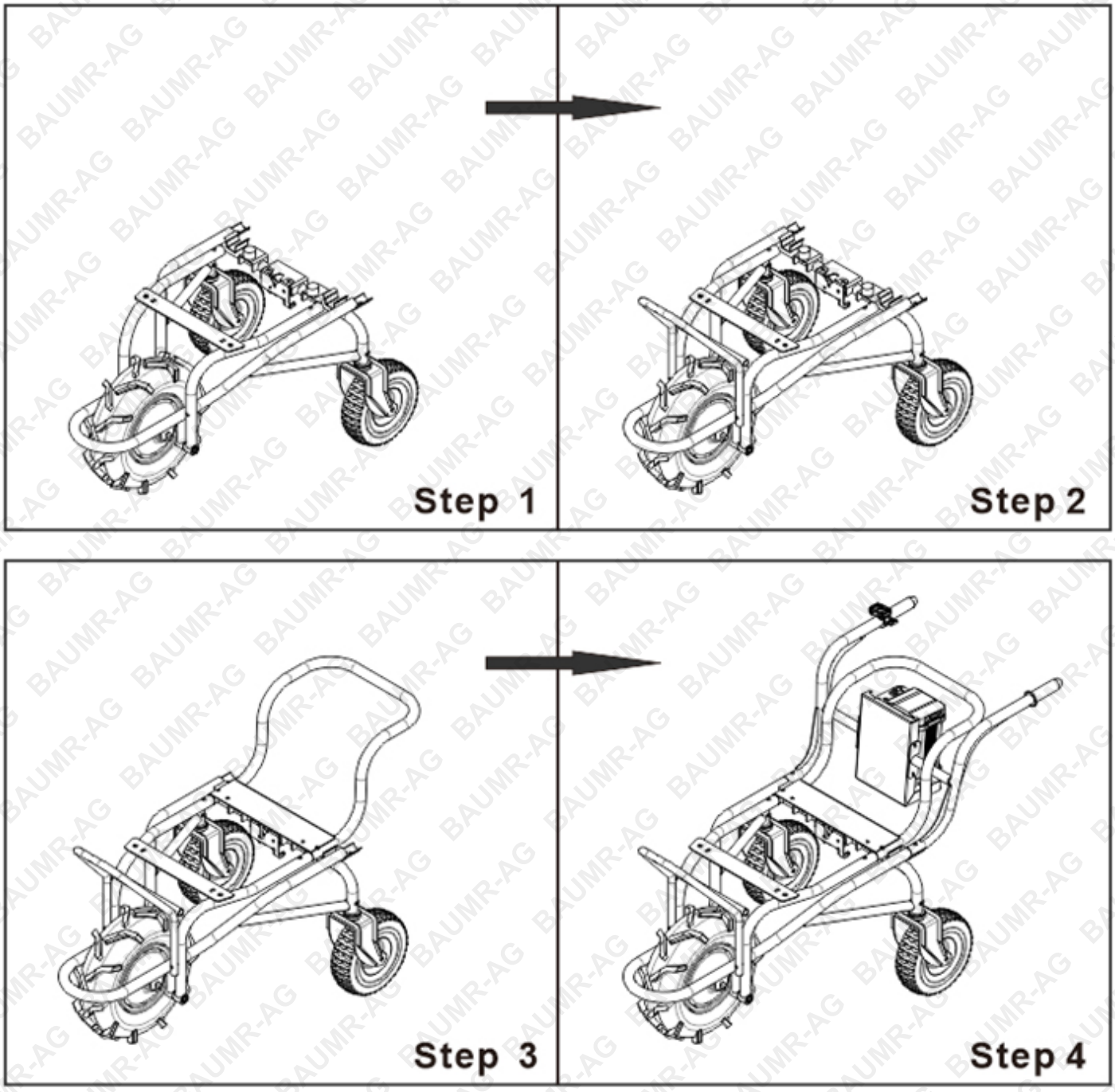
Spare parts available for purchase, scan QR code below:

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Assembly

Please check the product contents immediately after receipt for any eventual transport damage or missing parts. Don't fully tighten all screws until assembly is complete.

Barrow Body



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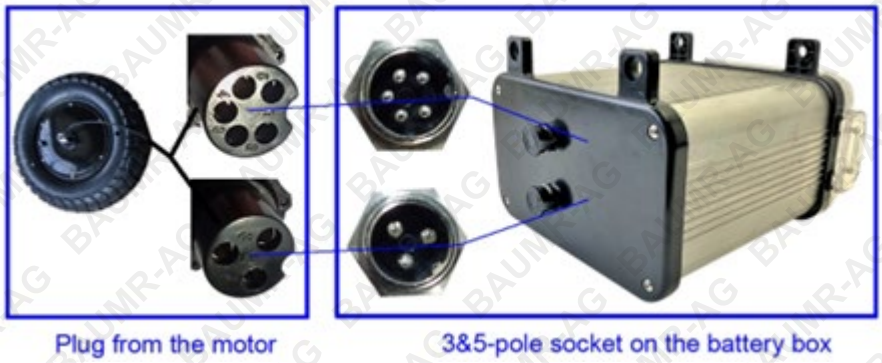
Step 5

Battery Box Connection

1. Connect the control lever cable.



2. Connect the motor cable.



WARNING: ONLY NUT #1 IS ALLOW TO BE TURNED IN ORDER TO FASTEN OR UNFASTEN THE PLUG, NUT #2 IS PROHIBITED TO BE TURNED, OTHERWISE FOR PROFESSIONAL REPAIR.



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Operation

Device to be operated in a perfect state only. Inspect the device visually every time it is to be used. Check the safety equipment, electrical controls, electric cables, and screwed connection for damage and if tightened properly. Replace any damaged parts before operating the device.

WARNING! Unplug battery before all maintenance and settings! Never remove the battery while the machine is running. In case of longer standstill, press the shut-down button. Use the electric motor only with sufficient battery charge.

Starting and Operation

1. Slide the battery into the battery box, as shown. Press down on the orange tab while pressing down, this will lock the battery into place. Ensuring it is making full contact with the battery terminals.





2. Press the button on the battery box to '**I**' to turn ON.



3. **Light**: #L1 (green), #L3 (green)
4. Press the throttle lever #1, the wheelbarrow will go forward.
5. Press button #2 once, the light #L2 will be ON. Press throttle lever #1, the wheelbarrow will go backwards.
6. If you press button #3, then light #L3 will turn red, and the EBS brake will engage. The wheelbarrow won't move even, even if you press throttle lever #1. Press button #3 again, and the EBS will get deactivated.



Electronic Brake System

This wheelbarrow is equipped with an electronic brake EBS/BAS.

BAS ON	The EBS will work only when: ▪ Button on the battery box is '**I**' (ON). ▪ Thumb switch #1 is at its original position, no acceleration.
EBS ON	The EBS will work only when: ▪ Button on the battery box is '**I**' (ON). ▪ Brake switch #3 at '**I**' position.

NOTE:

- When the EBS is turned ON, the wheelbarrow will activate the brake to stop completely. Even if you press the thumb switch, the wheelbarrow won't move.
- When the BAS is turned ON, the wheelbarrow will stand still on the flat ground, it may run slowly on slopes.
- The BAS won't drain the battery power. Instead, the EBS will be drained. So, it's recommended to use BAS sparingly.
- The two above brakes will provide convenience and safety while the wheelbarrow is on a slope or dumping debris.

Charger

The charger is integrated into the battery system.

Charging the battery:

1. Connect the charger to the power supply and the charger plug.
2. Charge the battery.
3. Once the battery is fully charged (indication on the charger), the charger can be removed.
4. LED - indicator on the control element: Voltage-display on battery box indicates the status of the battery.

Voltage display shows 42V	Battery capacity 100%
Voltage display shows 35V	Battery capacity 50%
Voltage display shows < 30V	Please charge the battery (little capacity left)

1: Voltage display switch

2: Voltage display

3: Recharge port



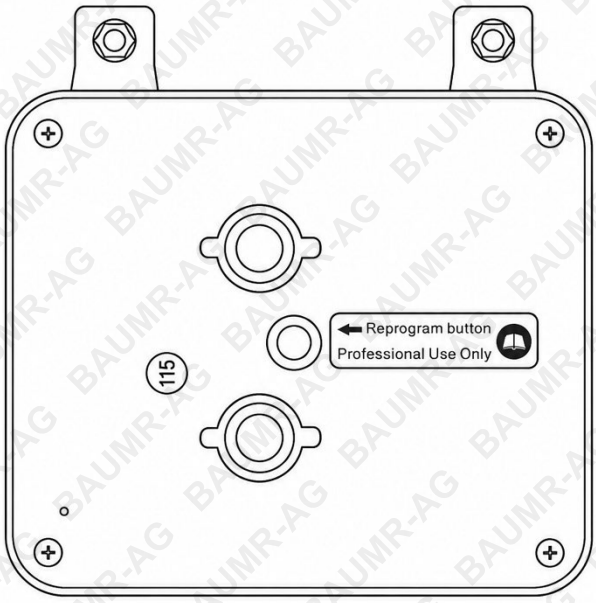


Motor Phase Adjustment

In the event, the wheels are moving in reverse or they are not moving at all, you will need to activate the motor phase button.

1. Power the unit on
2. Press and hold the motor phase button for 6 seconds
3. Now activate the throttle and it should move in the correct direction

It is not recommended to press this button during normal operation.



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Lithium Battery Care and Maintenance

Top 3 Battery Care Requirements

4. **Charge battery before first use**. The battery may arrive with some charge, regardless of this the battery must be charged for 3 hours on the initial charge and 3 hours for each subsequent charge.
5. **Charge battery immediately when it is depleted.** Do not store a depleted battery. This will permanently impact the life of the battery. If the battery is going to be stored for a period of time, fully charge the battery before storing.
6. **Disconnect battery when not in use**. To prolong the life of a battery, disconnect it from the unit when not in use. Disconnect chargers from the battery once charged.

To ensure the battery maintains optimum performance, follow the guidelines outlined below.

- For best results, charge batteries in temperatures between 10°C and 30°C
- When battery is charged, disconnect the charger from the power supply and remove the battery from the charger.
- If a battery is stored or otherwise unused for an extended period, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.
- Use only with the battery charger specified by the manufacturer.
- Ensure that the battery charger electrical cord is not subjected to damage or stress. Do not operate the battery charger if it has a damaged electrical cord or plug.
- Do not use the charger in wet areas or expose it to rain or water.
- The typical estimated life of a Lithium-Ion battery is about two to three years or 300 to 500 charge cycles, whichever occurs first. One charge cycle is a period of use from fully charged, to fully discharged, and fully recharged again
- Explosion hazard – protect the battery against heat, for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- Batteries can explode in the presence of an ignition source, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. Exploding batteries can propel debris and chemicals.
- Do not open the battery – danger of short-circuiting and/or explosion.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – do not open and/or short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under extreme conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, immediately seek medical attention, and flush with water. If liquid contacts eyes, immediately seek medical attention, flush with clean water for at least 10 minutes. Liquid ejected from the battery may cause irritation or burns.
- Dispose of non-serviceable batteries in an environmentally responsible manner and according to local regulations.

Failure to adhere to the requirements above may result in the battery becoming inoperative or battery life being reduced. In extreme cases or abuse, battery overheating or fire may result.

DANGER - BATTERY CHARGING, USE AND STORAGE

Like mobile phones, laptops, cordless vacuum cleaners etc, this product may contain or be related to a lithium ion battery pack (lithium ion batteries and lithium ion battery related items only). Lithium ion batteries allow fast charging and high capacities, however care must be taken to reduce chances of a fault, and increase safety in case a fault occurs. Catastrophic incidents involving lithium ion batteries have a tendency to result in large amounts of smoke and fire. Be sure to follow the points below to reduce the likelihood of danger whenever you use, charge or store any lithium ion battery.

- Never charge a battery that has been damaged or subjected to a forceful impact.
- Never charge a battery that has been exposed to moisture or water.
- Never charge a battery with a charger that wasn't supplied with the battery.
- Never use a battery in a device that it wasn't specifically designed for.
- Never use a battery with a modified or damaged device.
- Never modify the battery, product, charger, circuitry or wiring.
- Never charge a battery in an exit path that may be used by people to leave a room or building in case of an emergency, for example, the hallway or foyer of a residence.
- Never charge a battery in an area or building that doesn't have the recommended number of working smoke detectors that have been tested in accordance with local guidelines.
- Never charge a battery when the battery or charger is displaying a problem or charging incorrectly.
- Always charge batteries on a non-combustible surface, for example, on a concrete floor.
- Always charge batteries at least 3m away from anything combustible, such as floors, wall surfaces, furniture, storage shelves etc.
- Always charge batteries in an open area (outside if possible) ensuring the battery and charger are away from moisture and water.
- Always disconnect batteries from the charger after charging.
- Always remove or disconnect batteries from the device/product when not in use.
- Always ensure batteries are charged under adult supervision. Do not charge unattended. Do not charge batteries while no one is home or while people are sleeping.
- Keep batteries away from heat and moisture.
- Damaged batteries should be disposed of through your local e-waste collection service.
- Avoid mixing and matching chargers. Unplug products when fully charged, and charge batteries in a cool, dry place away from combustible materials like beds, lounges, or carpet.
- During charging and use, check your lithium-ion batteries for overheating, signs of swelling, leaking, or venting gas. Immediately stop using your product if these signs are present.
- Allow batteries to cool after use and before charging.

Maintenance

ATTENTION: Surface corrosion will occur on metal surfaces over time and the rate of oxidation depends on factors such as proximity to the ocean and humidity or condensation of water vapour on metal surfaces. To mitigate this, WD40 can be used to remove surface corrosion then, when applied periodically, it will prevent rust from forming.

Unplug battery before all maintenance and settings! Serious injury due to unintentional or automatic activation of the machine!

- The machine does not require extensive maintenance. If malfunctions and defects occur, contact a qualified technician or an authorised service centre.
- Clean your machine regularly after every usage – it prolongs the machines lifespan and is a prerequisite for a safe working environment.
- Repair jobs should only be performed by trained professionals only!
- Regularly check the condition of the security stickers. Replace them if required.
- Regularly check the condition of the machine.
- Store the machine in a closed, dry location.
- After each work, check the cables (tight fit, check for damages).

Cleaning

- The usage of certain solutions containing ingredients that could damage metal surfaces as well as the use of scrubbing agents will damage the machine surface!
- Clean the machine surface with a damp cloth soaked in a mild solution.
- Never use running water or a high-pressure cleaner to clean the machine.
- Clean the outer parts with a damp sponge.
- Never clean the electronic parts with water!
- Check the machine and remove the deposits and / or residues with a soft brush.

Storage

- Clean thoroughly all components before storage.
- Store all components separately in a dry area at not less than -10°C.
- Charge the battery fully before storing.
- Charge the battery at least once a month for extended storage periods.

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Troubleshooting

Before you start working for the elimination of defects, unplug the battery.

Problem	Possible cause	Solution
No electrical support	Battery is not charged	Recharge battery
	Motor stuck	Check motor
	Power switch is damaged	Check switch
	Broken or loose cables	Check cables
No charging of battery	Loosen cable	Check cable connection

Specifications

Battery Type/Capacity	Li-ion 40V/6Ah
Typical Runtime	4 hr (2 hr @ Max load)
Charging time	3 hr (from 0% to 100%)
Motor	Electric Brushless Induction
Emissions	Zero Emissions
Drive	Direct Drive Hub
Transmission	Direct Gear Drive
Max Forward Speed	6km/h
Reverse Max Speed	2km/h
Max ascent	12° with 200kg max load
Front Tyre Size	15 x 5-Inch-Deep V-tread Pneumatic
Rear Tyre	10 Inch All Terrain Tyres
Brake	Front, Electronic Brake
Bucket Volume	100L
Max Load	260kg on the flat ground
Bucket Dimensions	L 95 x W 63 x D 16-30cm
Material of Chassis and Bucket	Powder Coated Steel
IP rating	IP54
Power Plug	10A Australian Standard

Note: Some Assembly Required

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Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging, and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear, or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear, or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business, or employee, or financially affect the user, business, or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement, or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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