Bäumr-AG®



BPR-1200e Wheelbarrow

User Manual

[Revision 1.0]

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

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

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.

© Baumr-AG

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.

UNDERSTAND YOUR MACHINE

- Read and understand the operator's manual and all labels affixed to the machine. Familiarise yourself with its application, limitations, and specific potential hazards.
- Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. Retain all warnings and instructions for future reference.
- The term "power tool" in the warnings refers to mains-operated (corded) or battery-operated (cordless) power tools.

WORK AREA

- Keep the work area clean and well lit. Cluttered or dark areas increase the risk of accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools may create sparks that can ignite dust or fumes.
- Keep children and bystanders away while operating the tool. Distractions can cause loss of control.

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not operate the tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-slip safety footwear, a hard hat, and hearing protection should be used where appropriate.
- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to a power source and/or battery pack, and when picking up or carrying the tool.
- Remove any adjusting keys or spanners before turning the tool on. A key or spanner left attached to a rotating part may result in injury.
- Do not overreach. Maintain proper footing and balance at all times. This enables better control in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewellery. Keep hair, clothing, and gloves away from moving parts.
- If dust extraction or collection devices are provided, ensure they are connected and properly used. Dust collection can reduce dust-related hazards.
- Do not become complacent due to frequent use of tools. Always follow safety principles. A careless action can cause severe injury in a fraction of a second.
- Do not operate the machine in the rain. This may result in loss of control, slipping, or falling, increasing the risk of injury.

POWER TOOL USE AND CARE

- Do not force the tool. Use the correct tool for the application.
- Do not use the tool if the switch does not turn it on and off. Any tool that cannot be controlled with the switch must be repaired.
- Store idle tools out of reach of children and do not allow untrained persons to operate them.
- Maintain tools and accessories. Check for misalignment or binding of moving parts, breakage, and any other condition that may affect operation. If damaged, have the tool repaired before use.
- Use the tool, accessories, and attachments in accordance with these instructions, taking into account working conditions and the task to be performed.
- Keep handles and gripping surfaces dry, clean, and free from oil and grease.

BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer. Using an incorrect charger may create a risk of fire.
- Use power tools only with designated battery packs. Use of other battery packs may result in injury or fire.
- When the battery pack is not in use, keep it away from metal objects such as paper clips, coins, keys, nails, or screws. Shorting the battery terminals may cause burns or fire.
- Under abusive conditions, liquid may be ejected from the battery. Avoid contact. If contact occurs, rinse with water. If contact with eyes occurs, seek medical advice.
- Do not use a damaged or modified battery pack.
- Do not expose a battery pack to fire or excessive temperatures. Exposure to temperatures above 130°C may cause explosion.
- Follow all charging instructions and do not charge outside the specified temperature range.

SERVICE

- Have the tool serviced by a qualified technician using identical replacement parts.
- Never service damaged battery packs. Servicing should only be performed by the manufacturer or authorised service providers.

BATTERY-SPECIFIC GUIDELINES

- Charge and store the battery pack at 18–24°C for optimal performance.
- Do not charge or store below 0°C or above 45°C.
- Use only the charger specified by the manufacturer.
- Use only designated battery packs.
- Keep battery packs away from metal objects when not in use.
- Avoid contact with battery fluid.

SPECIFIC SAFETY RULES

- During installation, maintain a 3–10 mm gap between the thumb accelerator and the handle.

OPERATIONAL SAFETY

- Thoroughly inspect the work area. Keep it clean and free of debris. Operate only on flat, level ground.
- Never place any part of your body in a position where it may be at risk during operation, assembly, maintenance, or transport.
- Keep all bystanders, children, and pets at least 23 m away. Stop the unit immediately if anyone approaches.
- Do not use the machine to carry passengers or mount it on a dump box.
- Do not park on unstable ground, especially when loaded.
- Always hold the unit with both hands during operation. Maintain a firm grip.
- Be aware the machine may move suddenly if it strikes obstacles such as rocks.
- Walk—do not run—while operating the machine.
- Do not exceed the machine's load capacity. Adjust speed according to terrain, surface conditions, and load weight.
- Use extreme caution when reversing or pulling the machine towards you.
- Take care when operating on gravel, paths, or roads. Watch for hidden hazards.
- On soft ground, operate in low gear. Avoid sudden acceleration, sharp turns, or abrupt stops.
- Use caution on frozen ground, as the machine may skid.
- Avoid operating on rough terrain such as riverbeds, crushed stone, or areas with logs and stumps, as this may damage the tracks.
- Do not operate in confined areas where there is a risk of being crushed.
- Do not operate on slopes greater than 20°.
- When operating on slopes, ensure the load is evenly balanced. Always travel up or down the slope—never across it. Do not change gears while on a slope.
- When tipping a load, be aware that the centre of gravity will shift. Ensure stable ground conditions, especially on soft surfaces such as wet clay.

DISPOSAL WARNINGS

- Dispose of appliances, accessories, and packaging in accordance with local environmental regulations.
- Batteries must be recycled through appropriate collection facilities. Do not dispose of batteries in household waste, fire, or water.
- Do not open or attempt to repair batteries. Return them to authorised collection points for safe disposal.

© Baumr-AG

- Do not dispose of this product with general household waste. Electrical components and materials may be harmful to the environment if not handled correctly.
- The crossed-out wheeled bin symbol indicates that this product must be collected separately for recycling.
- Improper disposal may be subject to penalties under applicable laws.

© Baumr-AG

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.

© Baumr-AG

 **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.

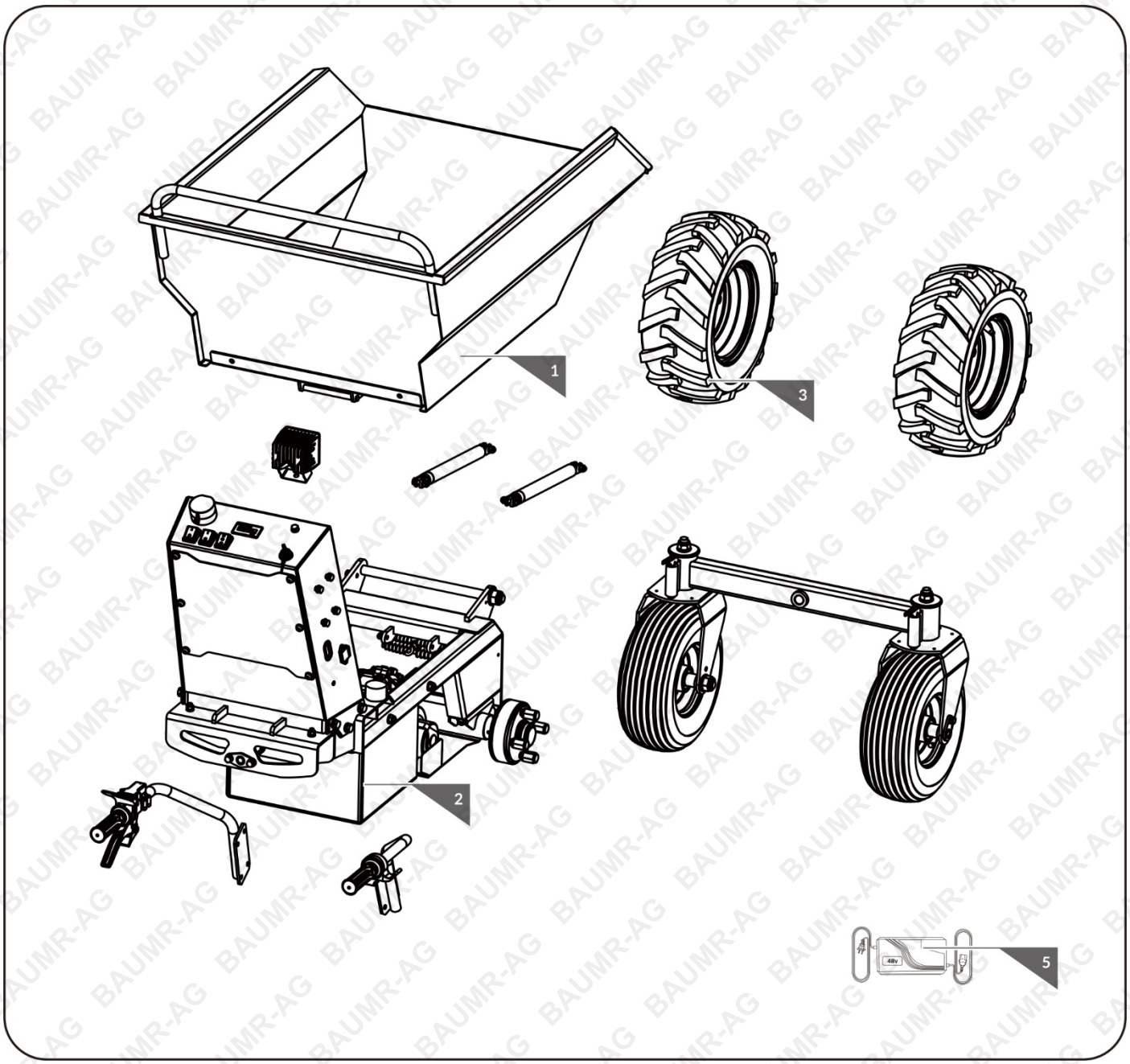
© Baumr-AG

Table of Contents

Safety **2**
Safety Symbols 6
Parts Identification **9**
Assembly **10**
Handlebar 10
Light 11
Front Wheels 12
Rear Axle and Wheels 13
Dumper Box 14
Know Your Machine **15**
Operation **16**
Control Panel 16
Preliminary Checks Before Operation 17
Battery Check and Recharging 17
Starting The Machine 17
Driving 19
Load Carrying 20
Load Limits 20
Unloading 22
Machine Switch Off 22
Emergency Stop 22
Lead-Acid Battery Care and Maintenance **23**
Top 3 Battery Care Requirements 23
Maintenance **24**
Storage **25**
Troubleshooting **26**
Specifications **27**

Parts Identification

The electric wheelbarrow is supplied partially assembled and packaged securely. After removing all components from the packaging, you should have the following:



No.	Name
1	Dumper box
2	Main frame
3	Wheels
4	-
5	Charger

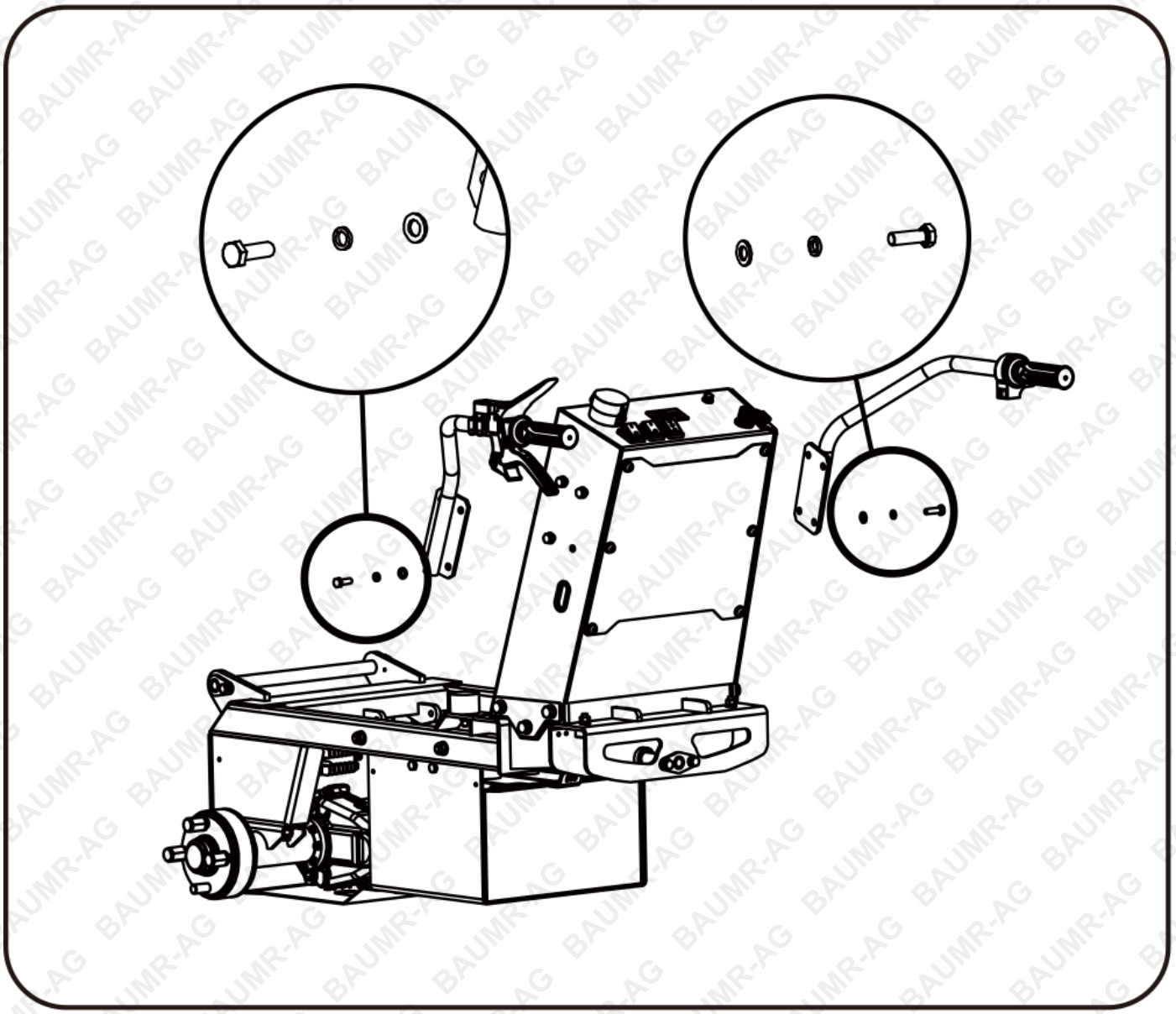
© Baumr-AG

Assembly

Follow the instructions below to assemble the machine.

Handlebar

Attach the left and right handles using M8 × 25 bolts.

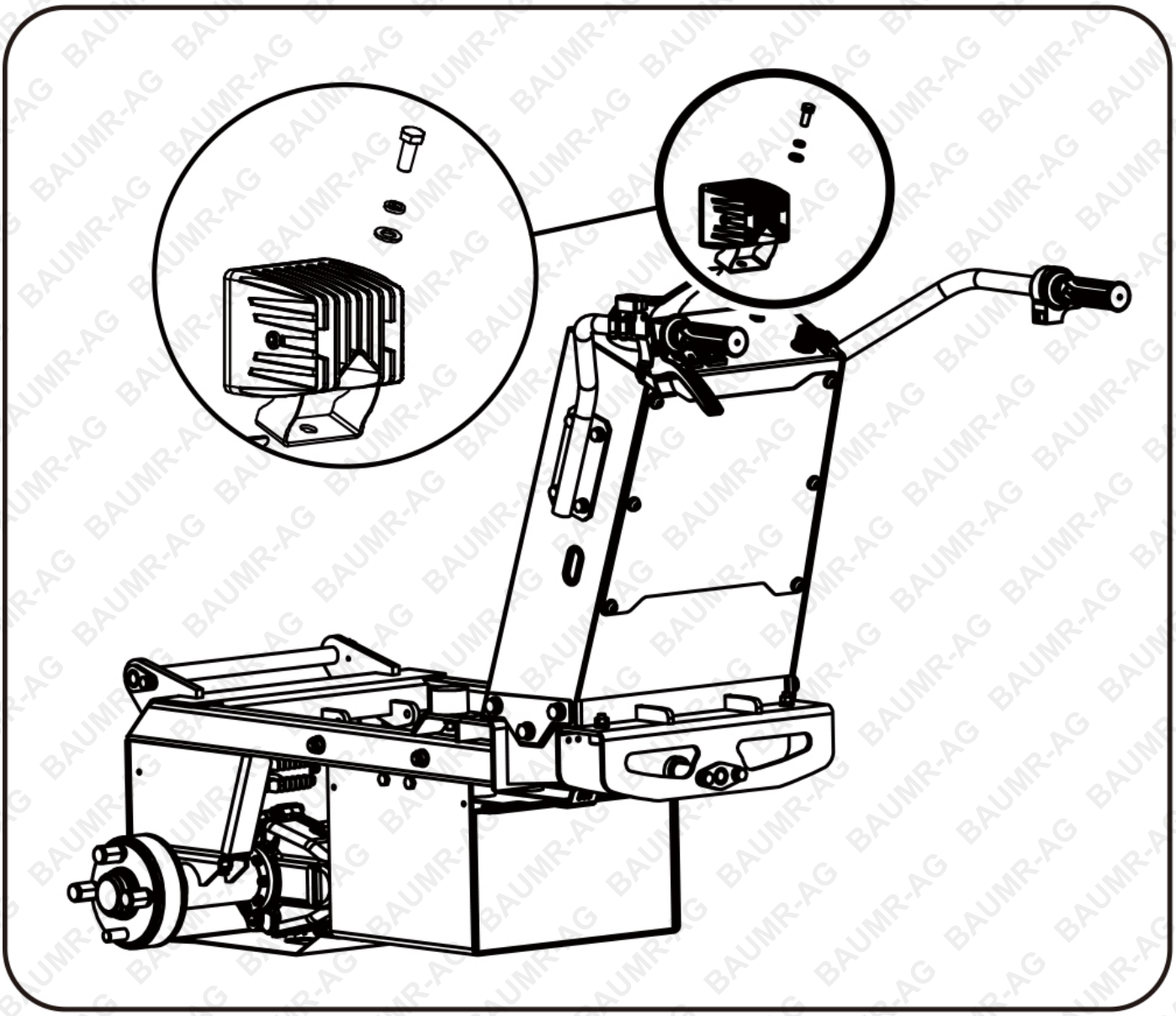




M8x25

Light

Install the light and secure it using M8 × 20 nuts.

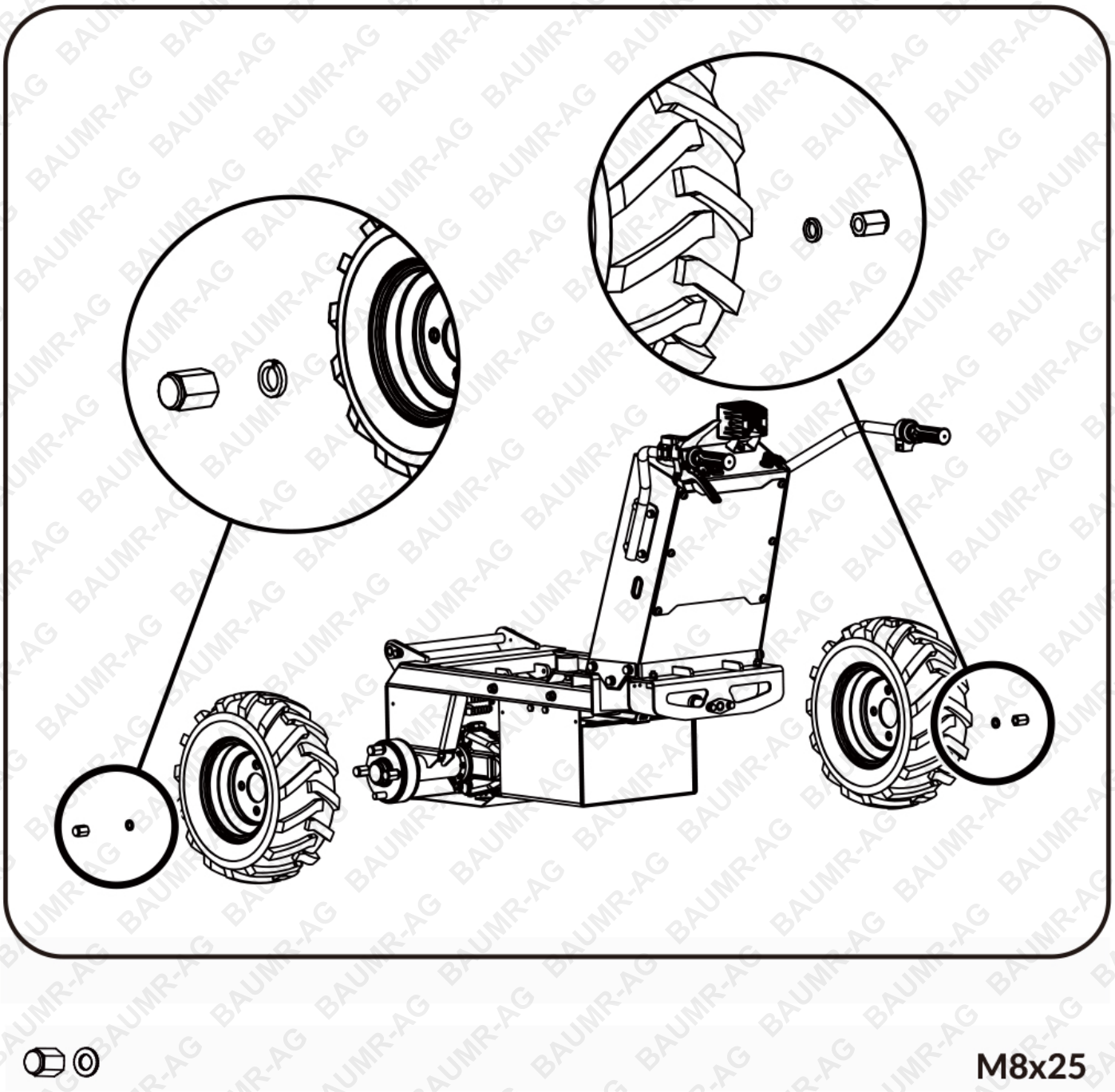




© Baumr-AG

Front Wheels

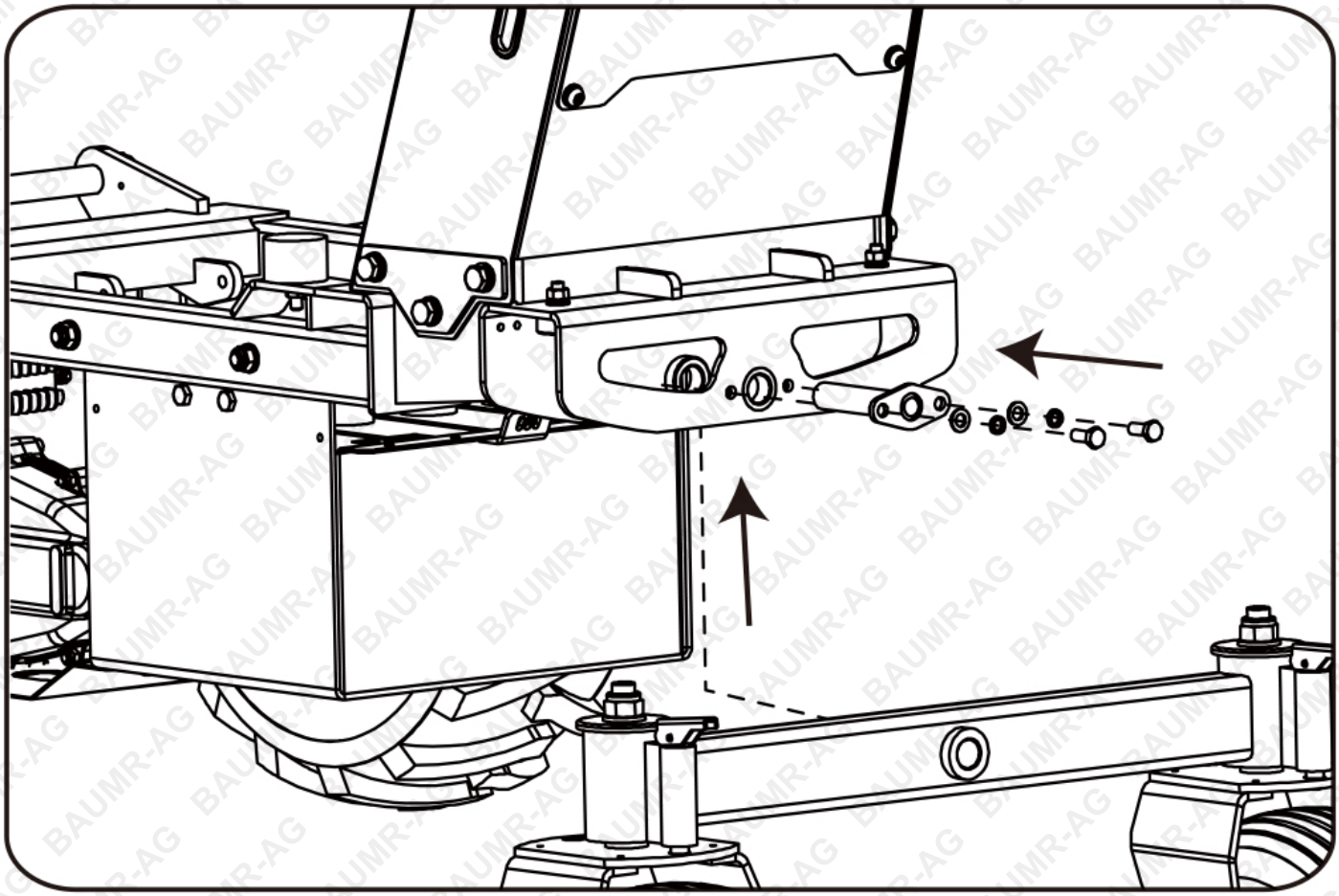
Install the front wheels and secure them using M14 hub nuts and 14 mm spring washers.



© Baumr-AG

Rear Axle and Wheels

Install the rear axle and secure it using M8 × 20 nuts. Fit the rear wheels onto the axle and secure them with the axle sleeves.

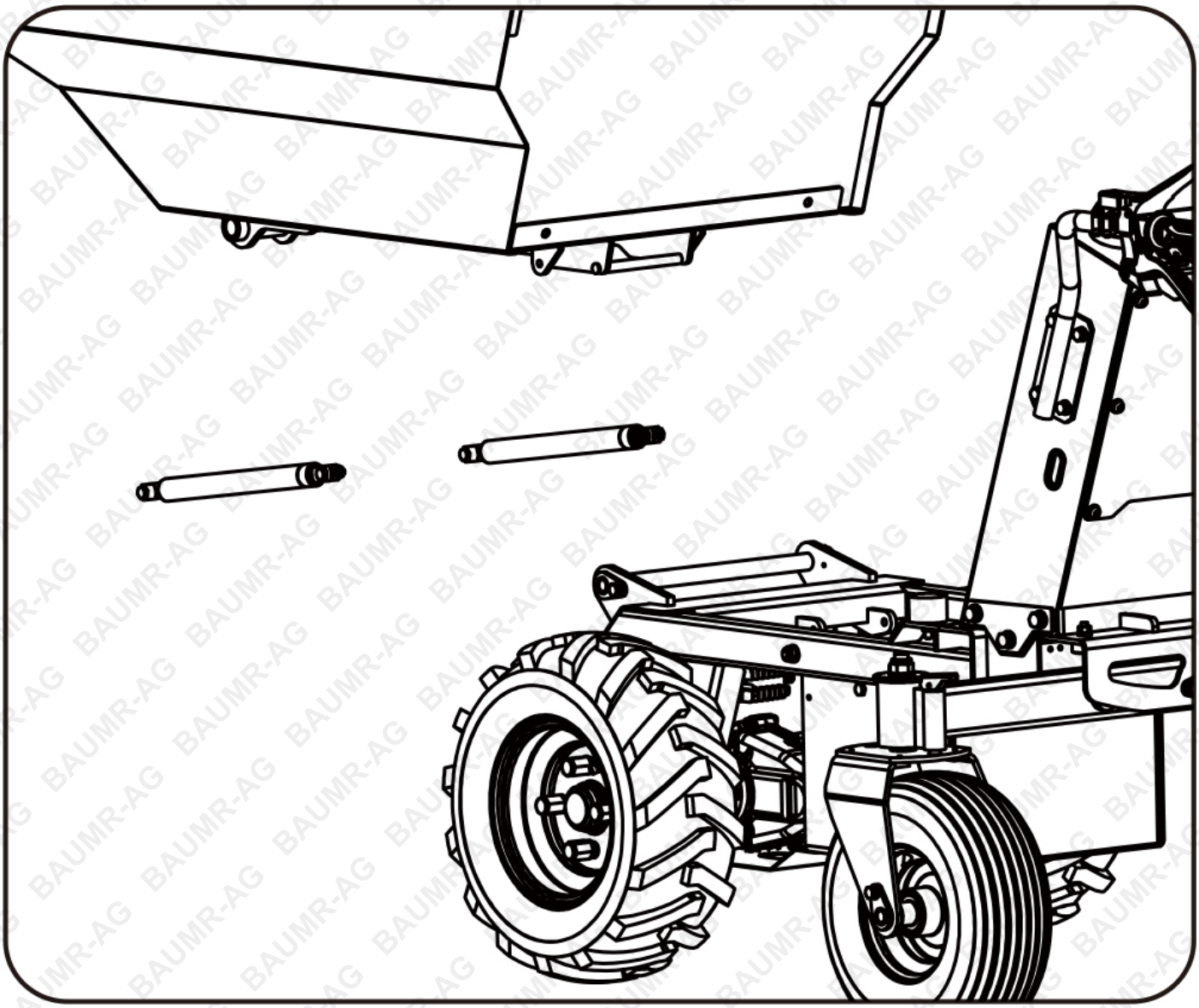




© Baumr-AG

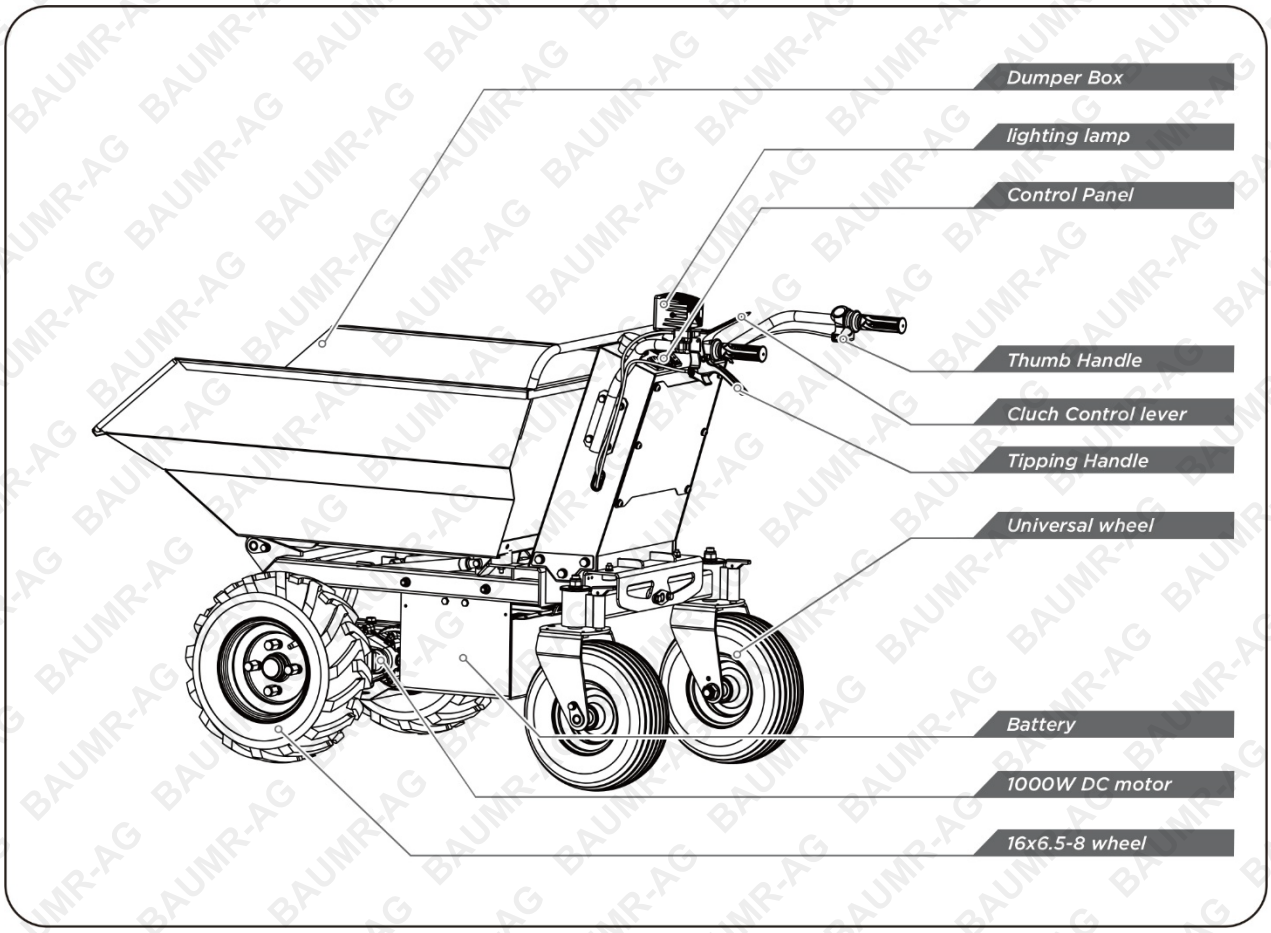
Dumper Box

Install the dumper box and secure it using M8 nuts.



© Baumr-AG

Know Your Machine



Clutch Control Lever

Squeeze the control lever to engage the clutch. Release the lever to disengage the clutch.

Tipping Handle

- Controls the tipping function of the dumper box. Squeeze the handle to tip the load.
- Before use, ensure the dumper box is securely locked. Refer to the operating instructions for detailed guidance.

Light

Switch on the light in low visibility conditions.

Thumb Control

The control button on the handle operates forward and reverse movement.

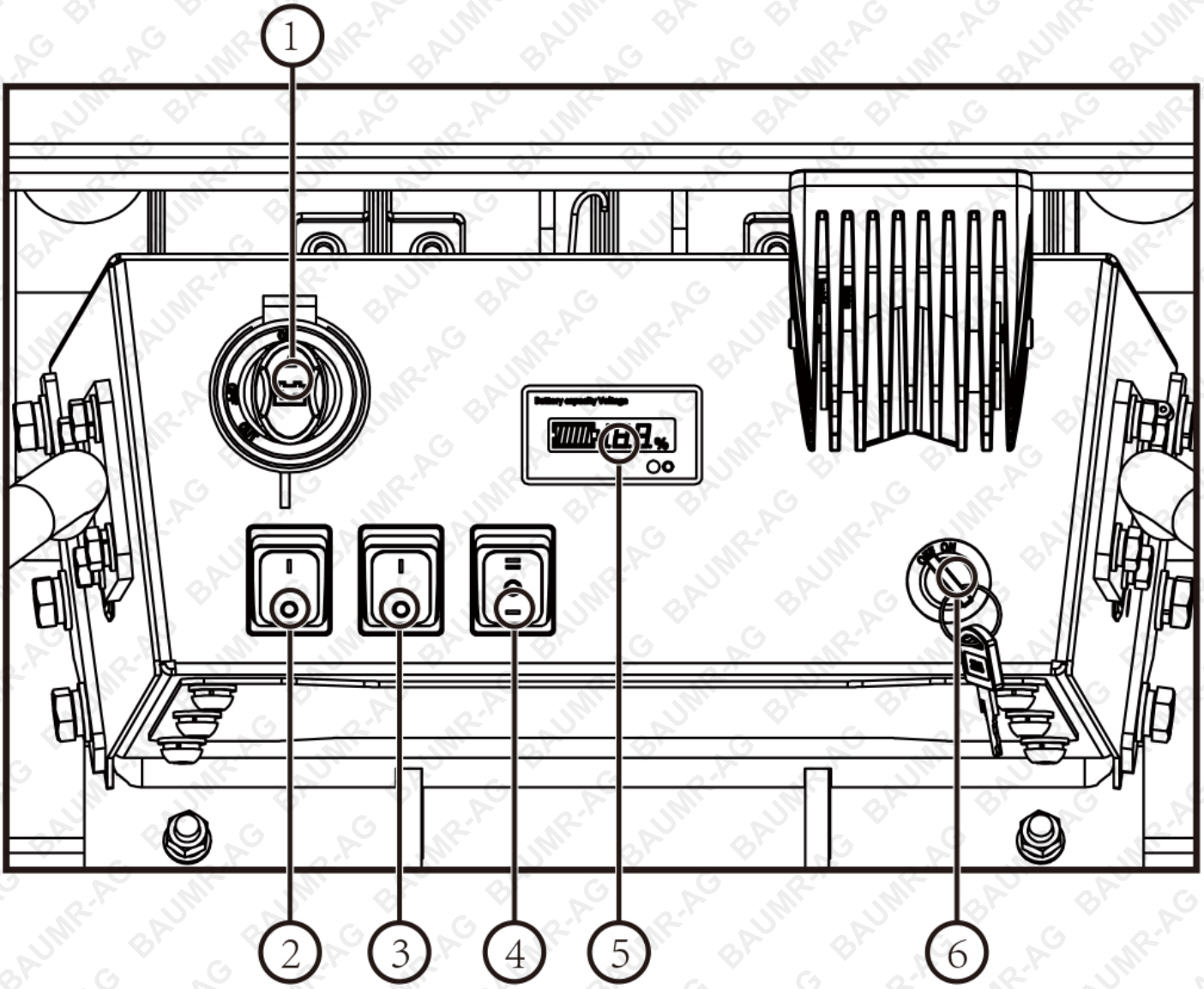
- Set to “**F**” for forward movement
- Set to “**R**” for reverse movement

Universal Wheel

To turn left or right, firmly hold the handlebar and guide the machine in the desired direction. The universal wheels allow smooth forward and reverse movement.

Operation

Control Panel



1. **Power Switch**: Turn the switch to the “ON” or “OFF” position. When set to “ON”, the machine powers on and the battery level indicator will illuminate.
2. **Headlight Switch:** Toggle headlight ON.OFF
3. **Taillight Switch:** Toggle taillight ON.OFF
4. **Speed Selector**: 3 position switch, select speed level 1, 2 or 3.
5. **Voltmeter:** Displays remaining battery percentage
6. **Tipping Button:** Controls the tipper bucket
7. **Key Switch**: Turn the key to switch the machine on or off.

© Baumr-AG

Preliminary Checks Before Operation

Checklist

To ensure proper operation and maximise service life, carry out the following checks before use:

- **Battery**: Check charge level on the display.
- **Tracks**: Check for correct tension, looseness, or damage.
- **Cleaning**: Remove any dirt or debris.
- **Fasteners**: Check for loose bolts or components and tighten as required.
- **Transmission clutch lever**: Check correct operation.
- **Steering clutch levers**: Check correct operation.
- **Dumper box**: Ensure it is securely locked in the lowered position.

Refer to the maintenance section for detailed servicing instructions.

Battery Check and Recharging

Battery Safety:

- Recharge the battery using an appropriate charger supplied by the manufacturer.
- Prevent dust or water from entering the charging port.

Procedure:

1. Switch on the battery.
2. Turn the ignition key to power the machine.
3. Check the battery level on the display.

Starting The Machine

Operate the tipping handle to raise or lower the dumper box as required.

- To raise the dumper box, push the tipping handle forward until the desired position is reached. Release the handle to stop movement.
- To lower the dumper box, pull the tipping handle back. Once lowered, release the handle to return it to its original position.

Ensure the dumper box is raised or lowered using the correct procedure described above.

Before starting:

- Ensure the operating area is safe and clear.
- Confirm the transmission clutch is in the disengaged (neutral) position.

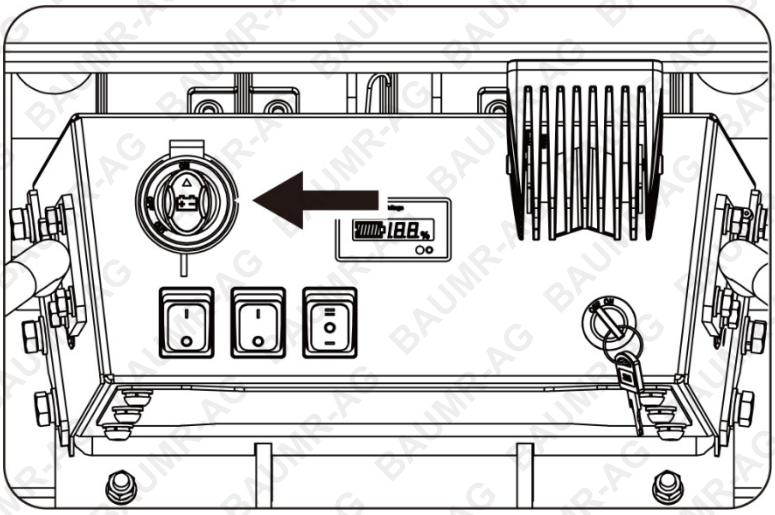
Important:

- Do not release the handle abruptly. Return it slowly to avoid damage.
- Do not operate the starter control while the machine is running, as this may damage the starter system.

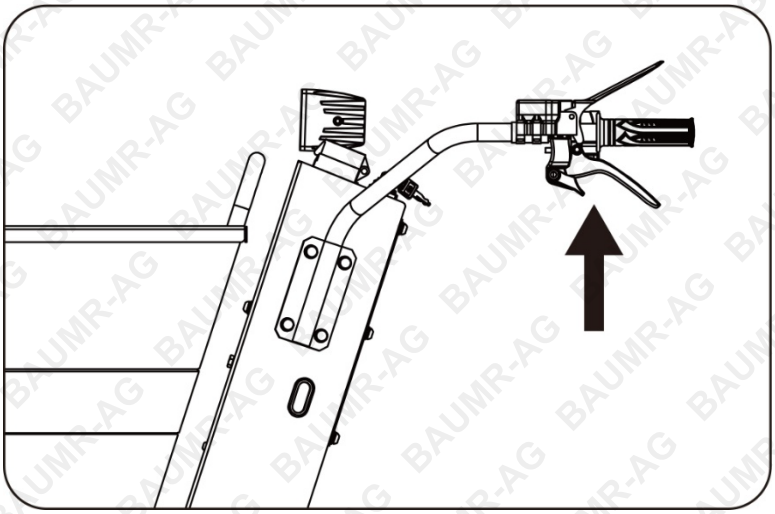
© Baumr-AG

Start-up procedure:

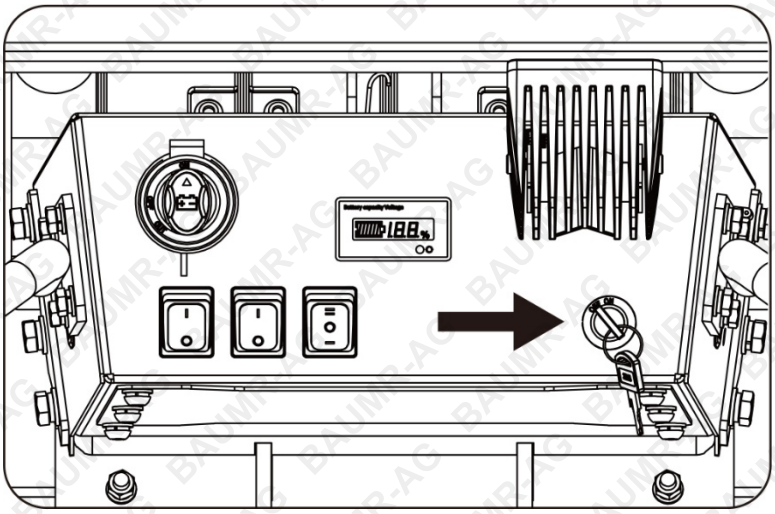
1. Turn the battery switch to the ON position.



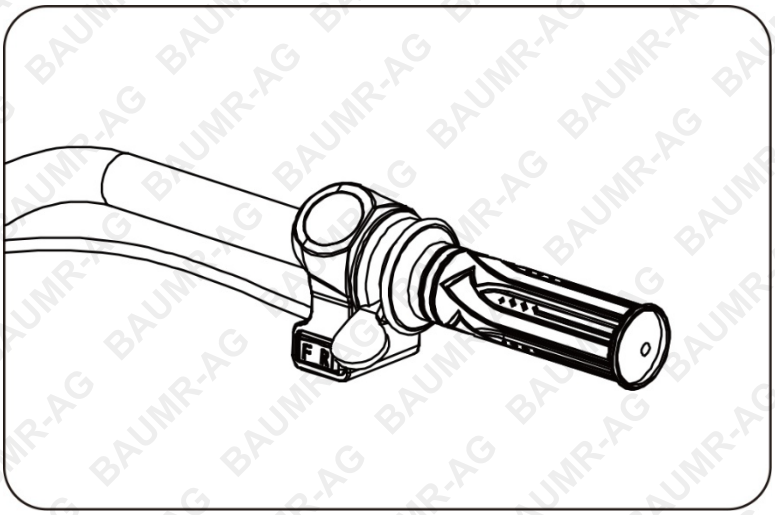
2. Ensure the transmission clutch is in the STOP (disengaged) position.



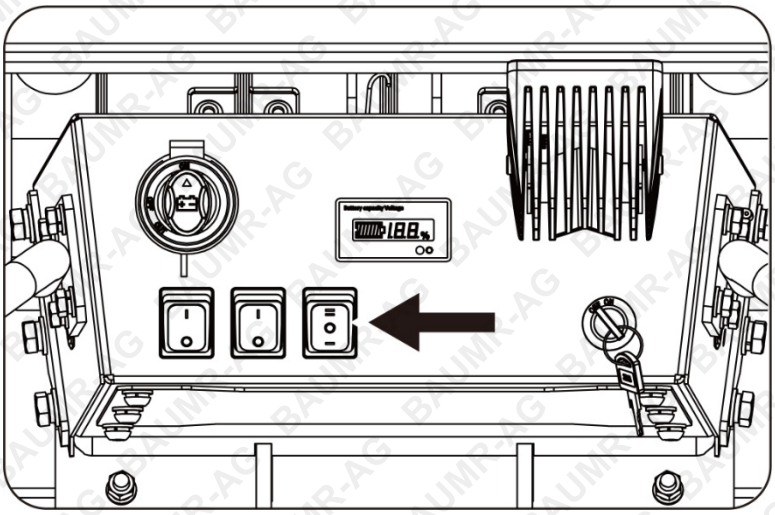
3. Turn the ignition key to the ON position to power the machine.



4. Select the direction of travel:
   - “**F**” for forward
   - “**R**” for reverse



5. Select the desired speed setting (1, 2, or 3).



Driving

Important Safety Information

- Before operation, check that the brakes are functioning correctly.
- To avoid loss of control on steep descents, operate at low speed (speed setting 1).
- Turns may be abrupt. Ensure the load is securely positioned in the dumper box. Take extra care when steering on slopes.

Gear and Operation Safety

- Do not change gears while the machine is moving.
- Only change gears with the machine running and the transmission clutch lever in the STOP (disengaged) position.
- If the gear lever cannot be moved, slightly engage the transmission clutch lever, then shift gears.

Driving Instructions

1. Follow the start-up procedure to power on the machine.
2. Select the desired speed setting (1, 2, or 3).
3. Select the direction of travel:
   – "**F**" for forward
   – "**R**" for reverse
4. Press the accelerator lever to move the machine.
5. Release the accelerator lever to slow down and stop.

Load Carrying

Important Safety Information

To avoid accidents or overturning:

- Observe the safe load limits specified in the Safety Information section and the Load Limits section.
- Do not position the load in a way that shifts the machine's centre of gravity. Pay attention to both load height and width.
- Ensure the load does not protrude beyond the dumper box walls.
- Ensure the load does not obstruct the operator's visibility.
- Secure the load using suitable ropes or straps attached to the designated fixing points. Do not secure loads to other parts of the machine.
- When carrying heavy loads, ensure the weight is evenly distributed and stable. An uneven load may cause the machine to tip during starting, braking, or operation on uneven surfaces.
- Before operation, ensure the dumper box (including side and front panels) is securely locked.
- When operating on soft or uneven ground, reduce speed and proceed with caution.
- Use low speed (setting 1) on steep descents. Do not travel downhill in reverse.
- Take extra care when starting, stopping, or steering on slopes.

Load Limits

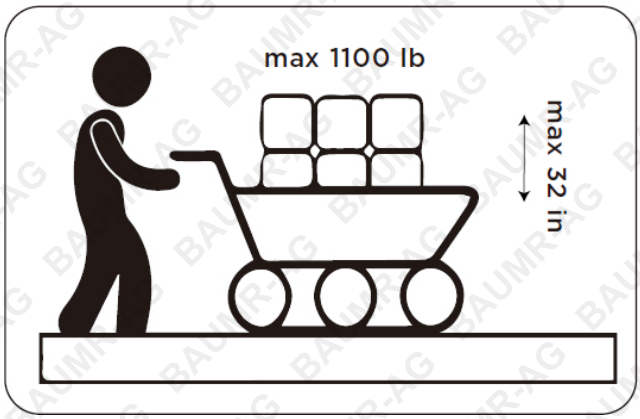
Important Safety Information

- Observe the load and slope limits specified below.
- When operating on slopes:
- Always use low gear (speed setting 1).
- On unstable ground, reduce speed and proceed with caution.
- When travelling downhill, reduce speed and use controlled braking.
- Take extra care when starting or stopping on slopes.
- Avoid changing direction or making U-turns on steep slopes.
- Secure the load using appropriate ropes or straps.

- If stability is reduced, decrease the load.
- If visibility is affected on slopes, reduce the load height.

Flat Terrain

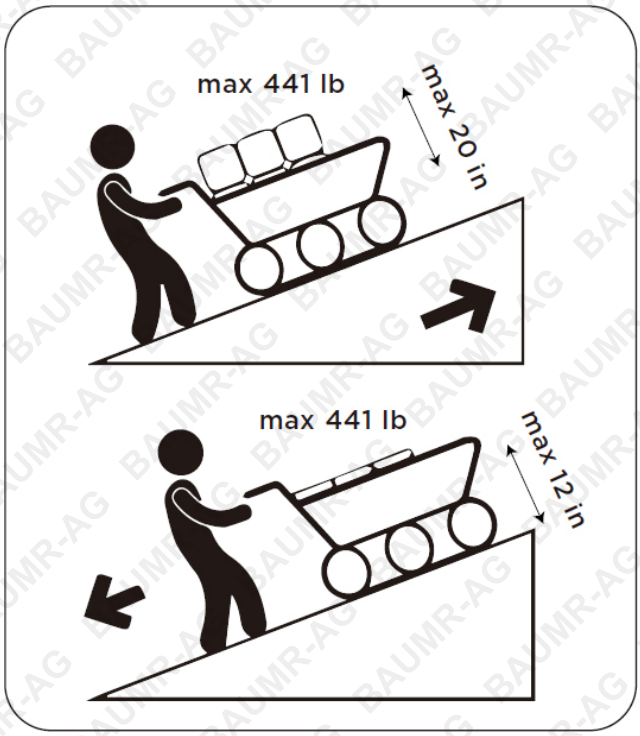
- Maximum load: 500 kg
- Maximum load height: 800 mm (measured from the bottom of the dumper box)



Slope Conditions

Maximum permissible slope: 15°

- **Maximum load:**
  - 200 kg for slopes up to 10° (17%)
  - 100 kg for slopes between 10° and 15° (17%–26%)
- **Maximum load height (measured from the bottom of the dumper box):**
  - 300 mm when descending
  - 500 mm when ascending



© Baumr-AG

Unloading

Important Safety Information

- Before unloading, stop the machine (see Switching Off section).
- Ensure the unloading area is clear of people and obstacles.

Procedure

1. Pull the handle to release the tipping mechanism.
2. Lift the lever to tilt the dumper box.
3. After unloading, return the dumper box to its original position. Push the lever firmly and ensure it is securely locked in the lowered position.

Machine Switch Off

Important Safety Information

- Avoid sudden stops, as this may cause the machine or load to become unstable.
- Stop the machine on a flat, stable surface away from hazards.
- Do not park on slopes. If unavoidable, secure the wheels to prevent movement.

Emergency Stop

1. Release the accelerator lever to stop the machine.
2. Turn the battery switch to the OFF position.

NORMAL SHUTDOWN

Release the accelerator lever to stop the machine.

Turn the ignition key to the OFF position.

Turn the battery switch to the OFF position.

© Baumr-AG

Lead-Acid Battery Care and Maintenance

Top 3 Battery Care Requirements

1. **Charge battery before first use**. The battery may arrive with some charge, regardless of this the battery must be charged on the initial charge and for each subsequent charge.

2. **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.

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.
- Inspect the terminals, screws, clamps and cables for breakage, damage, or loose connections. These should be clean, tight, and free of corrosion.
- 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.
- Keep the battery clean, dry, free of dirt and grime. A dirty battery can discharge across the grime on top of the battery casing.
- Apply a thin coating of high temperature grease to posts and cable connections for added protection.
- Inspect the battery case for obvious signs of physical damage or warpage. This usually indicates the battery has been overheated or has been overcharged.
- 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 – protect the battery against heat, for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- 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.

© Baumr-AG

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.

Regular maintenance and adjustments are required to keep the machine in good working condition. Carry out inspections and servicing according to the maintenance schedule.

Do not perform maintenance in poor visibility conditions.

Important Safety Information

- Stop the machine before carrying out any maintenance.
- Allow hot components to cool before servicing.
- Always wear appropriate personal protective equipment (PPE), such as gloves, safety footwear, and eye protection.
- Use only recommended products.
- Use genuine spare parts or approved equivalents. The use of unsuitable parts may damage the machine.

Lubricating The Wheels

Lubricate the wheels every 100 hours of operation to ensure smooth performance.

Tyres

Check that all wheel nuts are secure. Loose wheel nuts may cause the wheel to detach and result in loss of control.

Hardware

Periodically check all fasteners for correct tightness. Tighten any loose components.

Electrical Connections

Periodically inspect all wiring connections to ensure they are secure and undamaged.

Brake System

Inspect the motor carbon brushes regularly. Replace them if excessive wear is evident.

Charger

Inspect the charger regularly for damage to the cord, plug, housing, or other components. Do not use the charger if it is damaged. Have it repaired before further use.

Battery

- Inspect the batteries regularly and keep them clean and dry.
- Fully charge the batteries before each use. Always charge the batteries in an upright position.
- For best results, charge the batteries while installed in the machine.

© Baumr-AG

- During storage, keep the machine in an upright position with the drive wheels and support legs resting on level ground.

Storage

If the machine will not be used for more than 30 days, follow the guidelines below for proper storage:

- Fully charge the batteries before storage and recharge them periodically.
- Keep the batteries clean and dry. Do not store the machine in a damp environment. Note that batteries may degrade during storage.
- Protect the batteries from excessive heat and open flames, as this may cause an explosion.
- Clean the exterior of the machine with a cloth and ensure air vents remain free from obstruction.
- Store the machine on a flat surface in a clean, dry, well-ventilated area.
- Do not expose the machine to direct sunlight during storage.
- Before storage, disconnect the batteries from the electrical system and store them in a cool, dry place.
- Disconnect the battery connectors and terminals from the motor unit during extended storage.

© Baumr-AG

Troubleshooting

PROBLEM	CAUSE	REMEDY
Machine does not run, stops suddenly, runs sluggishly, or battery indicator lights do not illuminate.	Battery undercharged.	Charge the battery. A new battery should be charged for at least 12 hours before first use. After initial use, recharge until the indicator shows full charge.
	Poor connection.	Check all connectors. Ensure the charger is properly connected to both the battery and the power outlet.
	No power supply.	Ensure the wall outlet is switched on and supplying power.
	Charger not operating.	If the charger is suspected to be faulty, have it inspected or replaced by the manufacturer.
	Loose wiring or connectors.	Inspect all wiring and connectors. Ensure all connections are secure and free from damage.
	Battery depleted.	Recharge the battery as instructed in this manual.
	Battery overcharged.	Do not charge the battery for more than 30 hours. If overcharging is suspected, contact the manufacturer.
	Machine overloaded or operating under excessive load.	Reduce the load and operate under suitable conditions.
Sometimes the machine does not run.	Loose wiring or connector.	Check all wiring connections and ensure they are secure.
	Motor or electrical fault.	Contact the manufacturer for diagnosis and repair.
Battery makes a sizzling or gurgling noise during charging.	Normal operation.	No action required. Slight noise or minor swelling during charging can be normal.
One or more tyres are flat.	Low tyre pressure.	Inflate the tyre to the recommended pressure.
	Tyre puncture.	Repair or replace the inner tube.
	Faulty valve.	Tighten or replace the valve.
Machine feels loose or unstable.	Loose hardware.	Tighten all fasteners securely using appropriate tools.

© Baumr-AG

Specifications

Motor Type	Brushless DC
Power Type	Battery
Battery Type	Lead-acid Battery
Battery Capacity	32Ah
Battery Voltage	48V
Runtime	15hr (6-8h @ Max Load)
Drive System	Direct Drive with Differential
Transmission	2 Speed
Brakes	Electromagnetic
Finish	Heavy-duty Enamel
IP Rating	IPX4
Bucket Material	Steel
Bucket Dimensions	73 × 120 × 44 cm
Bucket Volume	200L
Max Climb Angle	15° (Max 200kg to 10°, Max 100kg to 15°)
Max Load Capacity	500kg (on level surface)
Forward Max Speed	5 km/h
Reverse Max Speed	1.5 km/h
Steering	Manual Skid Steer

© Baumr-AG

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.

edisons.com.au

© Baumr-AG. All rights reserved. No part of this document, including descriptive content, concepts, ideas, diagrams, or images may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, scanning, or recording, or any information storage and retrieval system, without express permission or consent from the publisher.