

Bäumr-AG®



BPR-1400e 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 lit.
- 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.

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 labels affixed to the machine. Learn its applications, limitations, and the specific hazards associated with it.
- Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions may result in electric shock, fire and/or serious injury. Retain all warnings and instructions for future reference.
- The term "power tool" refers to a mains-operated (corded) or battery-operated (cordless) power tool.

WORK AREA

- Keep the work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite dust or fumes.
- Keep children and bystanders away while operating the power 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 use a power 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, hard hat or hearing protection, used where appropriate, will reduce personal injury.
- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to a power source and/or battery pack, picking up or carrying the tool.
- Remove any adjusting key or wrench before turning the tool on. A key or wrench left attached to a rotating part may result in injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep hair and clothing away from moving parts. Loose clothing, jewellery or long hair can be caught in moving parts.
- If devices are provided for dust extraction and collection, ensure they are connected and properly used. Dust collection can reduce dust-related hazards.
- Do not let familiarity from frequent use lead to complacency. A careless action can cause serious 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 personal injury.

POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct tool for your application. The correct tool will perform the job better and more safely.
- Do not use the tool if the switch does not turn it on and off. Any tool that cannot be controlled is dangerous and must be repaired.
- Store idle tools out of reach of children and do not allow untrained persons to operate the tool.
- Maintain tools and accessories. Check for misalignment or binding of moving parts, breakage, and any 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.
- Keep handles dry, clean and free from oil and grease.

BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer.
- Use power tools only with designated battery packs. Use of other battery packs may result in injury or fire.
- When the battery is not in use, keep it away from metal objects such as paper clips, coins, keys, nails or screws. Shorting the 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 it contacts eyes, seek medical attention.
- Do not use a damaged or modified battery or tool.
- Do not expose the battery or tool to fire or excessive temperatures above 130°C.
- Follow all charging instructions and do not charge outside the specified temperature range.

SERVICE

- Have the tool serviced by a qualified repair person using identical replacement parts.
- Never service damaged battery packs. Servicing must only be carried out by the manufacturer or authorised service providers.

BATTERY STORAGE (FOR BATTERY TOOLS)

- Charge and store the battery at an ambient temperature of 18–24°C for best performance and lifespan.
- Do not store below 0°C or above 45°C.
- Recharge only with the charger specified by the manufacturer.
- Use only designated battery packs.
- Keep batteries away from metal objects when not in use.
- Avoid contact with battery fluid. If contact occurs, rinse with water and seek medical attention if required.

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 caught by moving parts during assembly, operation or maintenance.
- Keep bystanders, children and pets at least 23 m away. Stop the unit immediately if anyone approaches.
- Do not ride on the dump box or carry passengers.
- Never park the machine on unstable ground, particularly when loaded.
- Ensure the clutch lever is disengaged before starting.
- Start the machine carefully, keeping feet well clear of moving parts.
- Never leave the operating position while the machine is running.
- Always hold the unit with both hands. Maintain a firm grip and be aware of sudden movement if the machine strikes an obstacle.
- Walk—do not run—when operating the machine.
- Do not overload. Operate at a safe speed appropriate to terrain and load.
- Use extreme caution when reversing or pulling the machine towards you.
- Take care when operating on gravel, paths or roads. Watch for hidden hazards and traffic.
- On soft ground, use low gear. Avoid rapid acceleration, sharp turns or sudden stops.
- Use caution on frozen ground, as the machine may skid.
- Avoid operation on rough terrain such as rocky surfaces, logs or debris, as this may damage the machine.
- Do not operate in confined spaces where there is a risk of crushing between objects.
- Do not operate on slopes exceeding 20°.
- When operating on slopes, move only up or down—not across. Ensure the load is evenly balanced. Do not change gears while on a slope.
- When tipping loads, be aware that the centre of gravity will shift. Take extra care on soft ground or when material sticks to the tray (e.g. wet clay).

DISPOSAL WARNINGS

- Dispose of the machine, accessories and packaging in accordance with local environmental regulations.
- Batteries must be recycled and must not be disposed of with household waste. Do not dispose of batteries in fire or water, and do not open them.
- Return used batteries to appropriate collection or recycling facilities.
- Do not dispose of this product with general household waste. Electrical components may be harmful to the environment if handled improperly.
- The crossed-out wheeled bin symbol indicates that this product must be collected separately and recycled appropriately.
- Improper disposal may result in penalties under applicable regulations.

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.

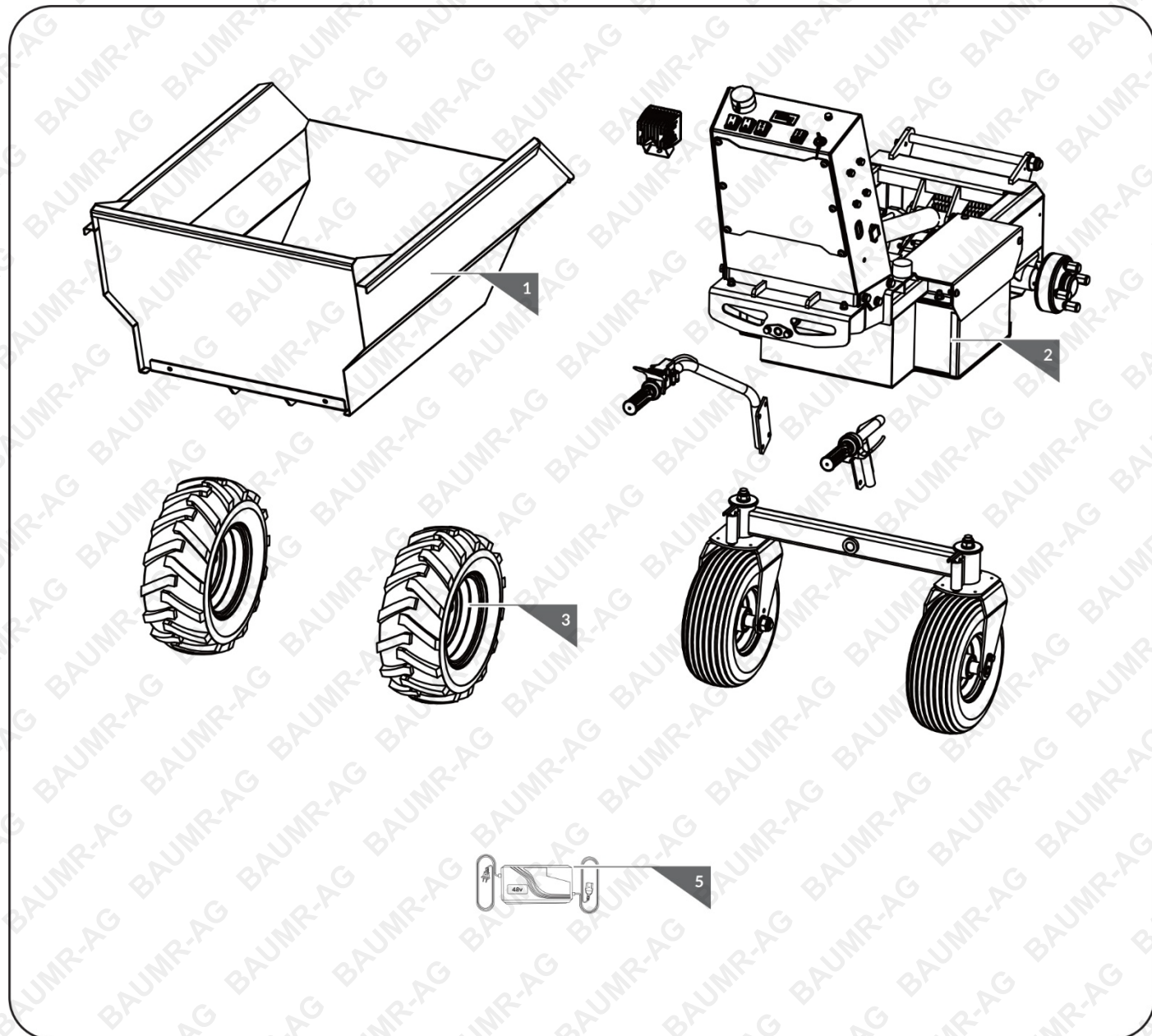
 Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care 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

The electric wheelbarrow is supplied partially assembled and is shipped in a carefully packed package. After removing all parts from the packaging, you should have the following:

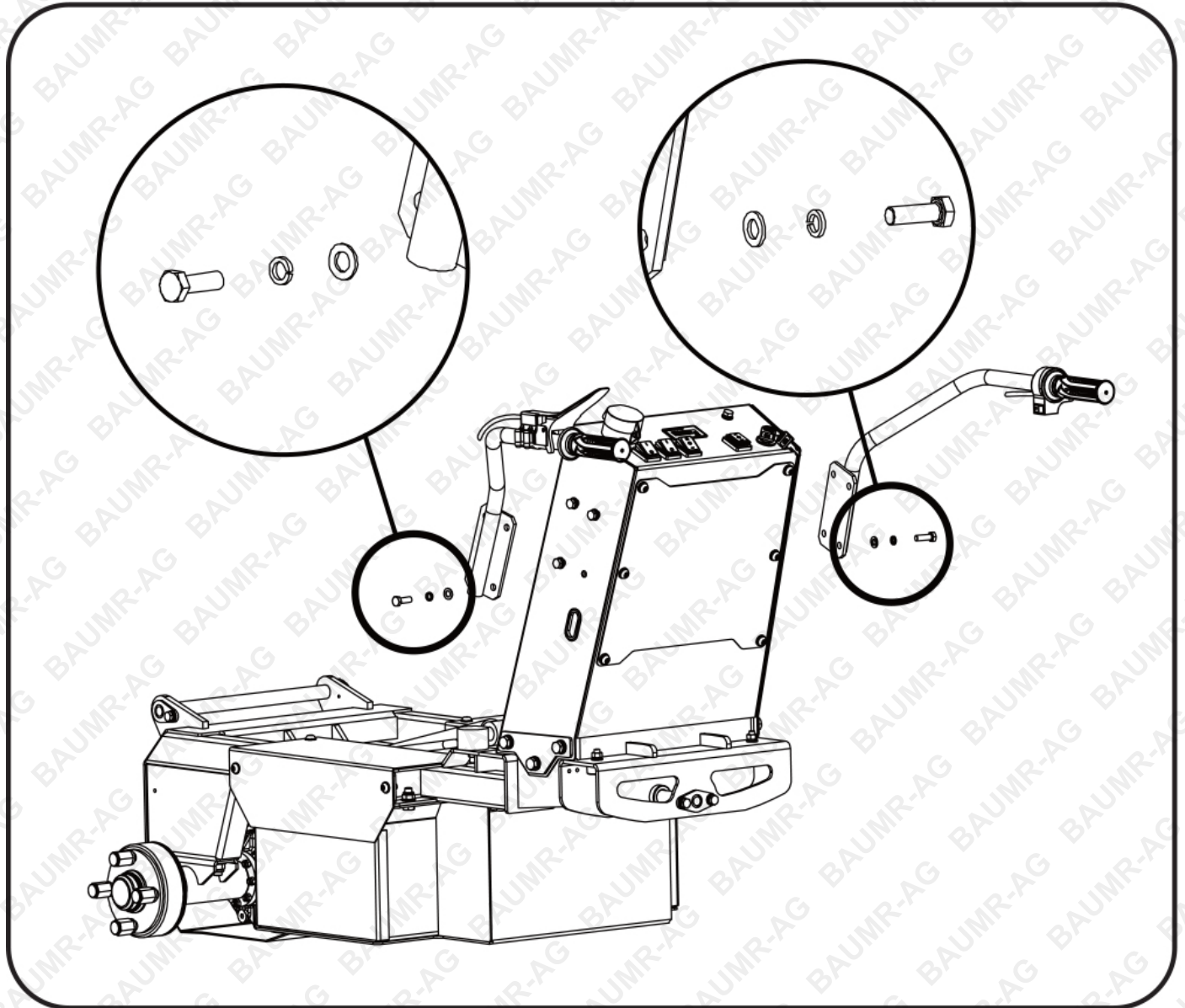


No.	Name
1	Dumper Box
2	Main Frame
3	Wheels
4	-
5	Charger

Assembly

Handlebar

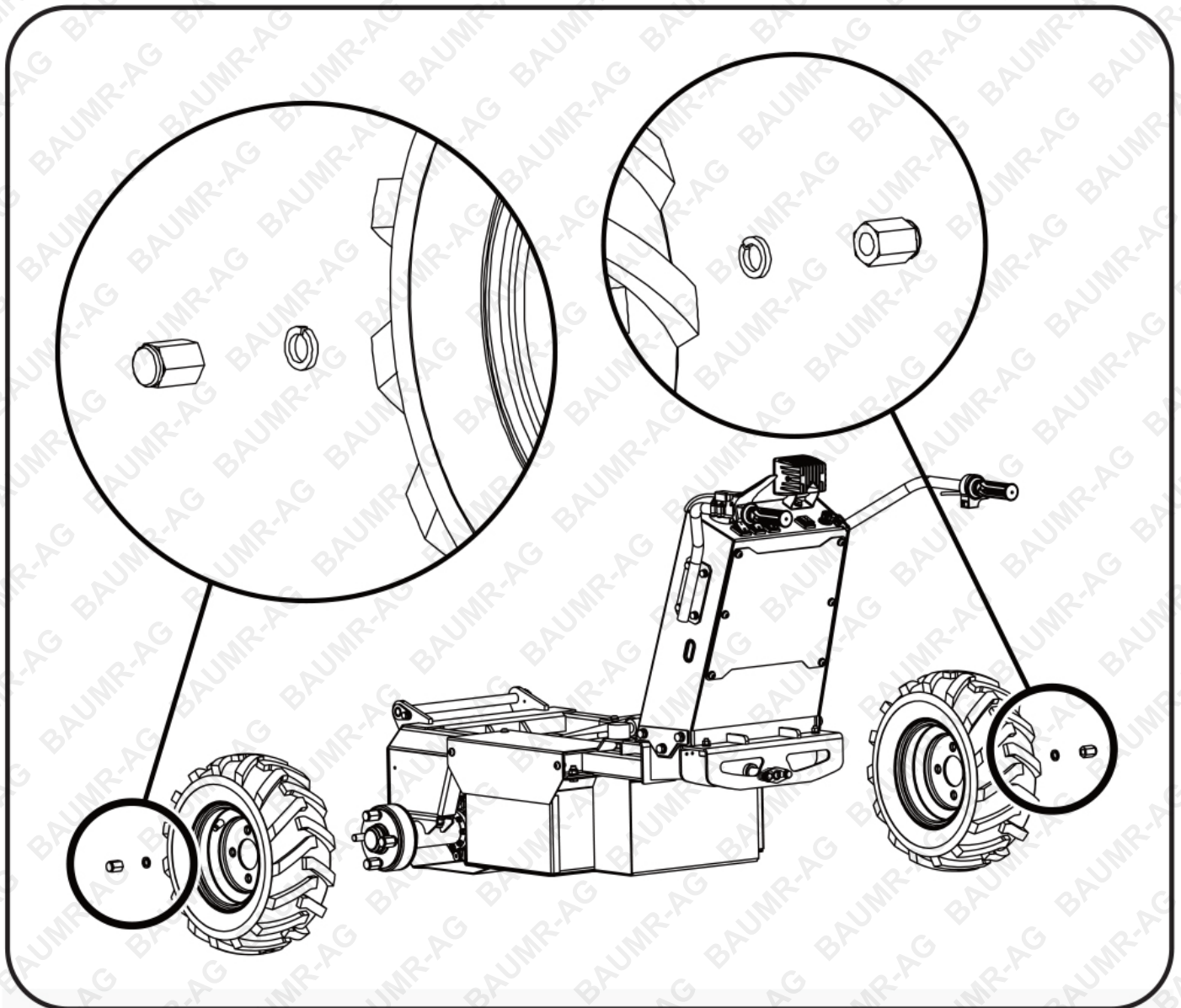
Attach the left and right handles using M8 × 25 bolts.



M8x25

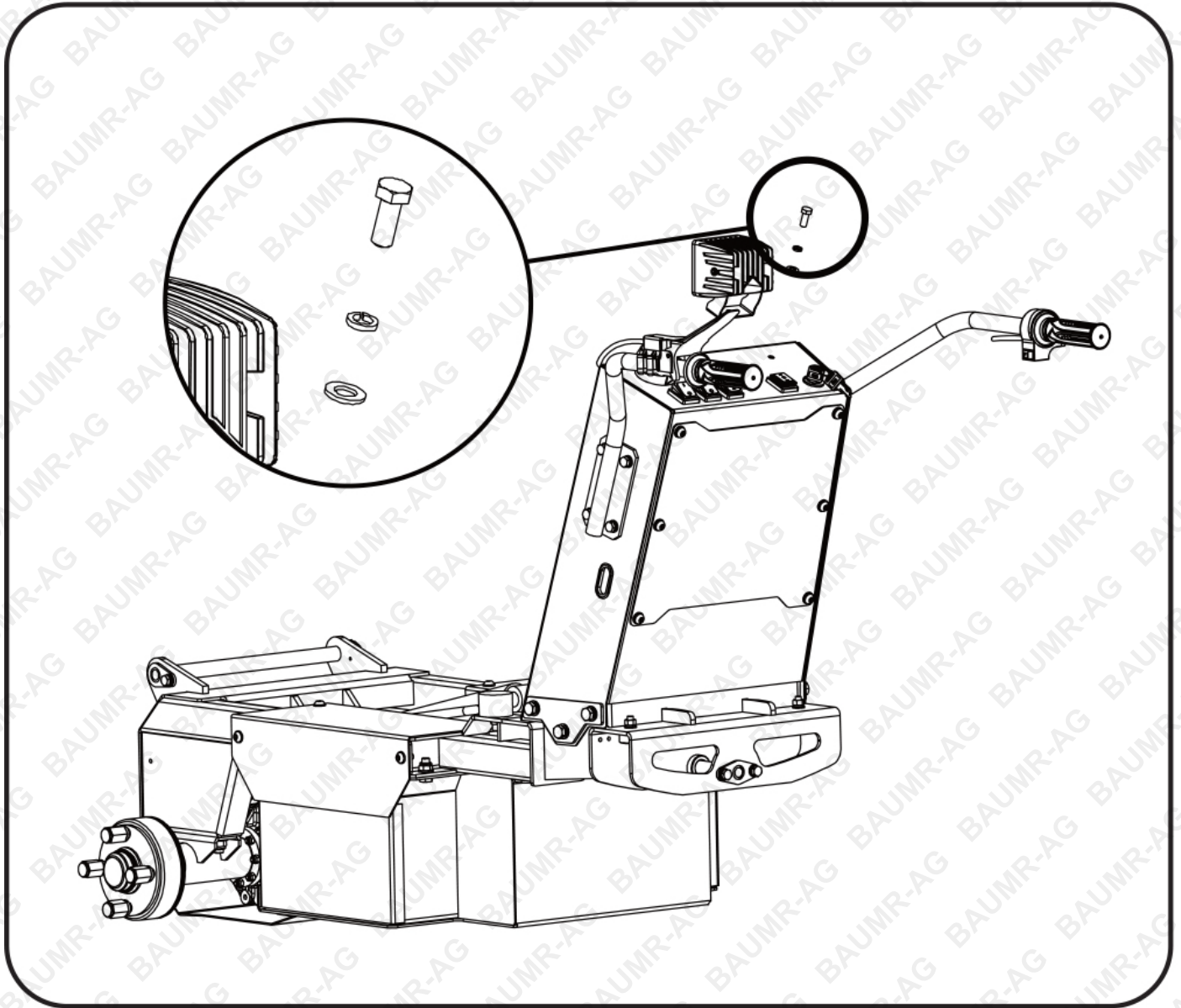
Front Wheels

1. Fit the front wheels and secure them using M14 hub nuts and spring washers.
2. Fit the rear wheels using the axle sleeves and secure as shown.

**M8x25**

Light

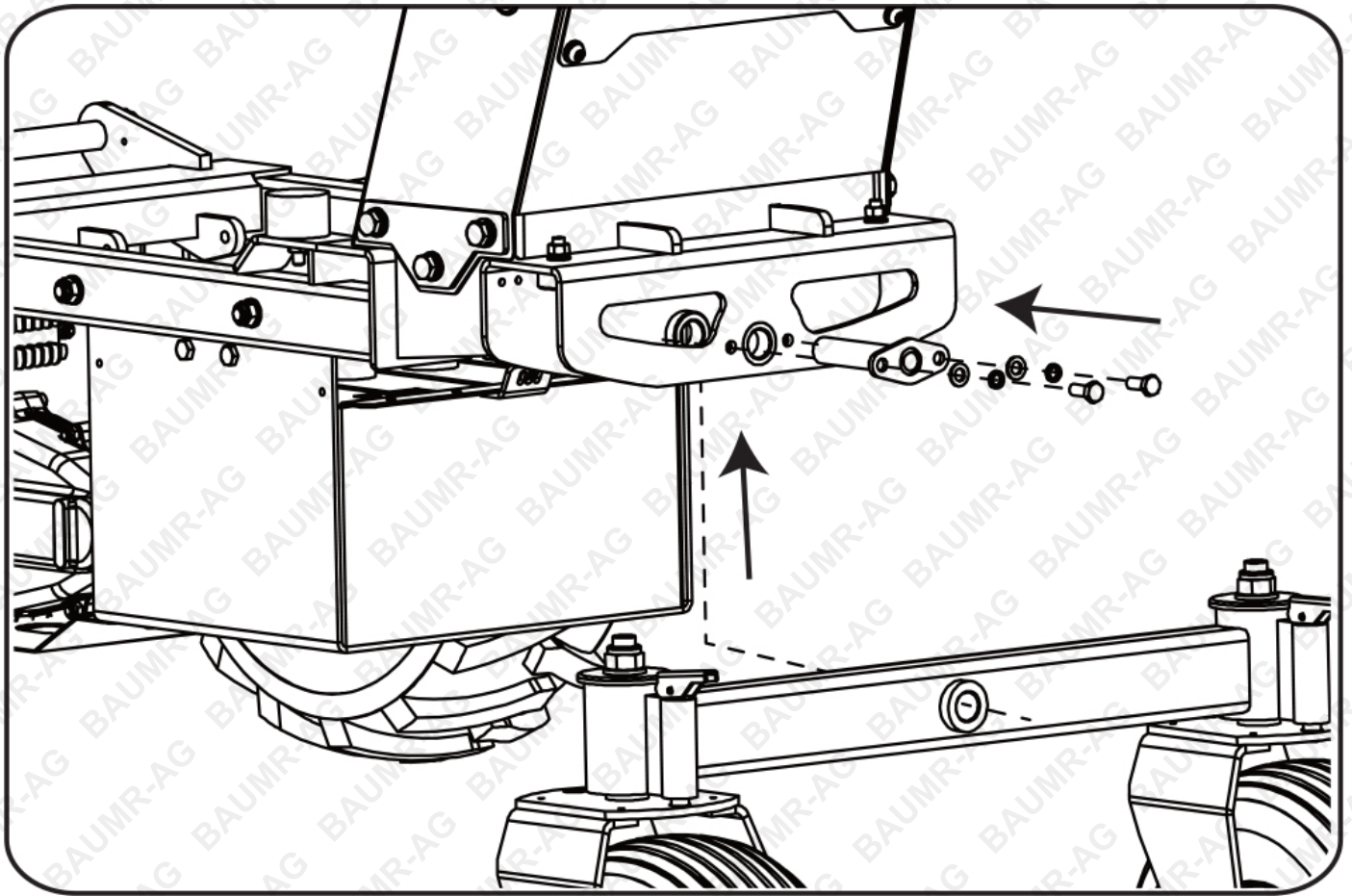
Install the light and secure it using M8 × 20 nuts.



M8x20

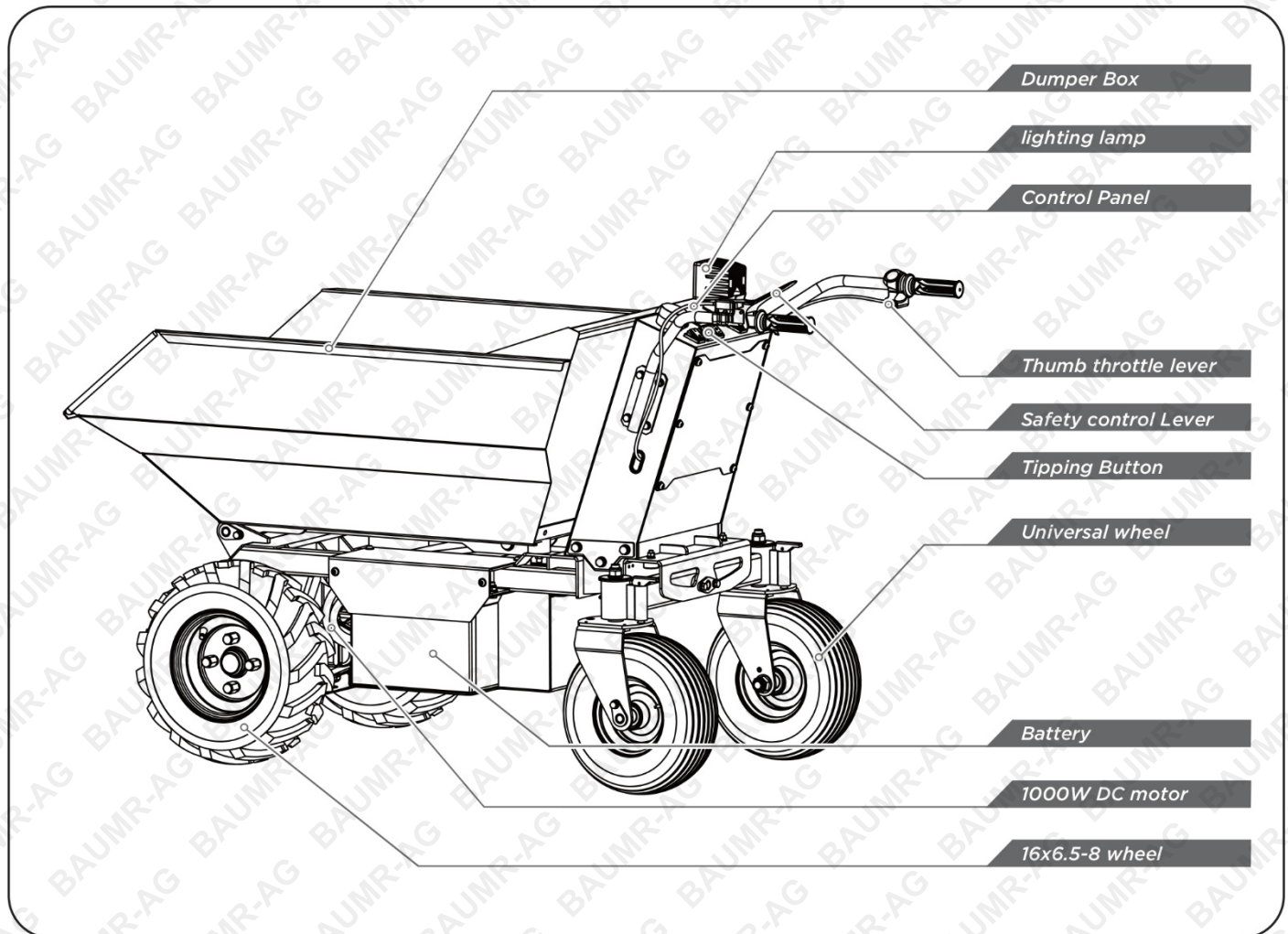
Rear Axle

Install the rear axle and secure it using M8 × 20 nuts.



M8x20

Know Your Machine



SAFETY CONTROL LEVER

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

TIPPING BUTTON

Controls the tipping function of the dumper box. Refer to the operating instructions for details.

LIGHT

Use the light when visibility is poor.

THUMB THROTTLE LEVER

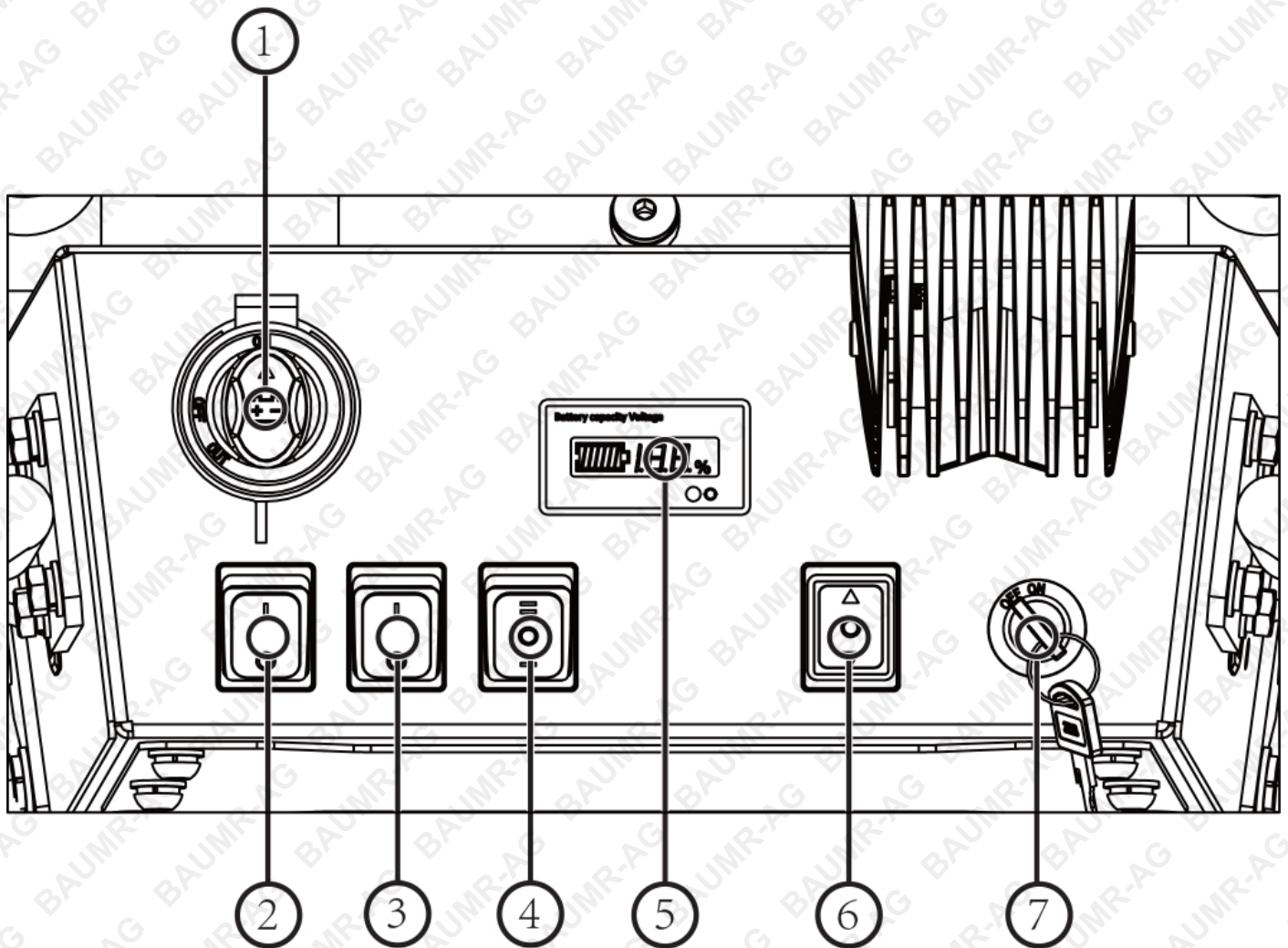
The selector on the handle controls the travel direction. Set to "F" for forward movement and "R" for reverse.

FRONT CASTER WHEELS

To turn left or right, firmly hold the handlebar and guide the front caster wheels in the desired direction. The machine can move both forward and in reverse.

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.

Preliminary Checks Before Operation

Checklist

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

- **Battery:** Check the charge level using the display.
- **Tracks/Drive system:** Check for correct tension, looseness or damage.
- **Cleanliness:** Remove any dirt or debris.
- **Fasteners:** Check that all parts are secure and tighten if necessary.
- **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.

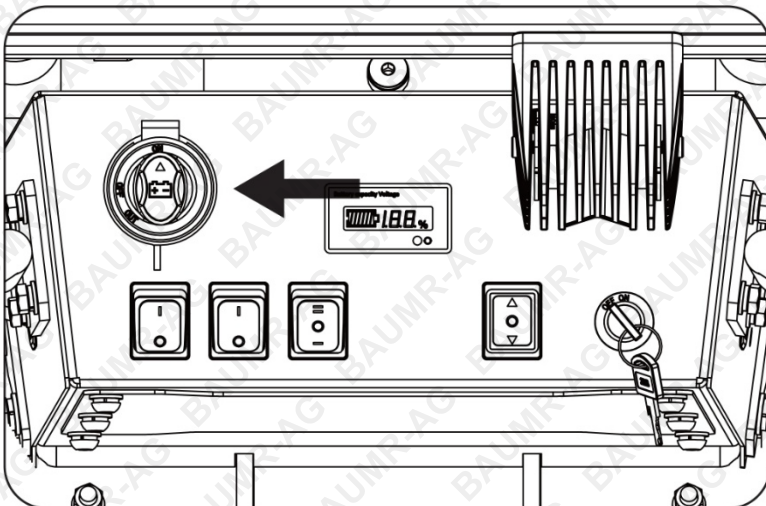
Battery Check and Recharge

⚠ WARNING! Recharge the battery only with the appropriate charger specified by the manufacturer. Prevent dust or water from entering the charging port.

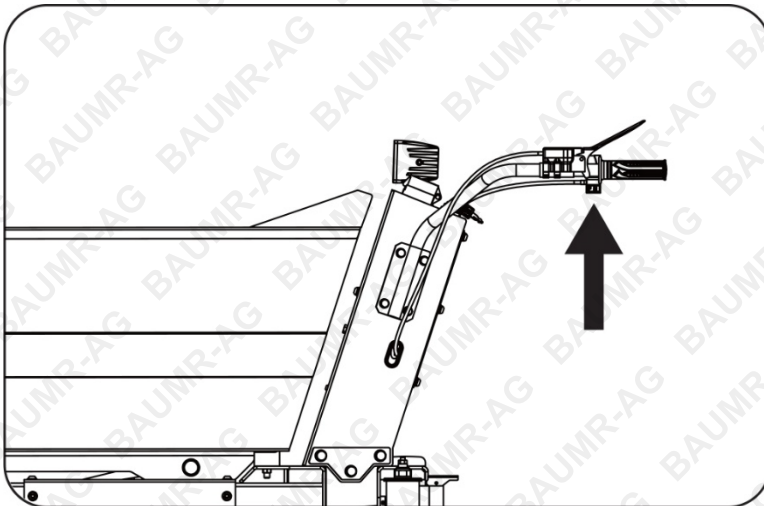
1. Turn on the battery.
2. Turn the machine on using the key.
3. Check the battery percentage on the display.

Starting

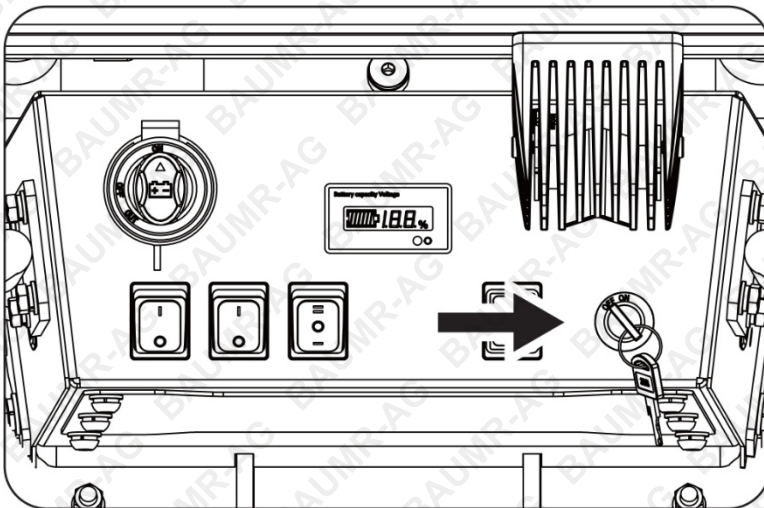
1. Turn the battery switch to the "ON" position.



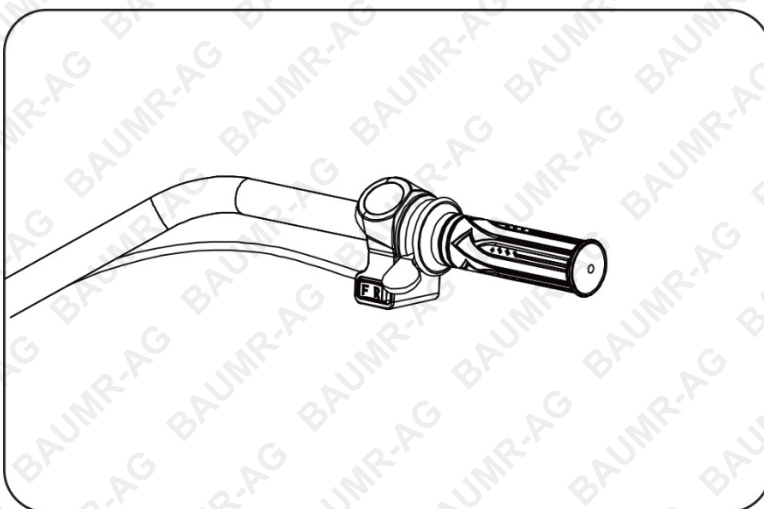
2. Ensure the transmission clutch is in the STOP position before operation.



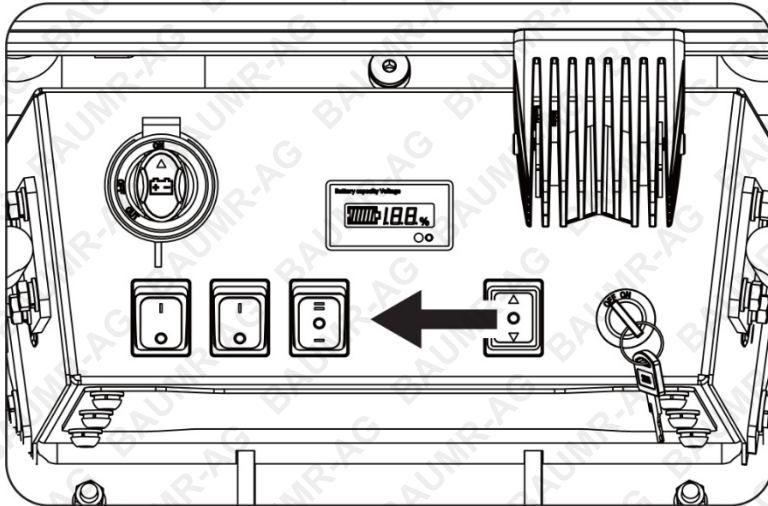
3. Turn the machine on by turning the key to the “ON” position.



4. Select the gear:
- “F” for forward
 - “R” for reverse



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



Driving

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

⚠ CAUTION! Do not change gears while the machine is moving. Only change gears when the machine is stationary and the transmission clutch is in the STOP position. If the gear lever does not move, slightly move the transmission clutch lever forward, then try again. Prolonged operation at low speed may cause carbon build-up. Run the motor at higher speed periodically to prevent this.

Operating Steps

1. Follow the starting procedure.
2. Select the speed (1, 2 or 3).
3. Select the desired direction:
 - “F” for forward
 - “R” for reverse
4. Press the thumb throttle lever to move the machine.
5. Release the throttle lever to slow down and stop.

Load Carrying

⚠ WARNING! To prevent accidents or overturning:

- Follow the load limits specified in this manual.
- Position the load evenly to maintain a stable centre of gravity.
- Ensure the load does not protrude beyond the dumper box.
- Do not allow the load to obstruct the operator's visibility.
- Secure the load using suitable straps or ropes attached to the designated fixing points.
- When carrying heavy loads, ensure the load is evenly distributed and not tilted. An unstable load may cause the machine to tip during starting, braking or travelling over uneven ground.

- Before operation, ensure the dumper box is securely locked.
- 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.
- Exercise extreme caution when starting, stopping or steering on slopes.

Load Limits

⚠ IMPORTANT: Observe all load and slope limits specified below.

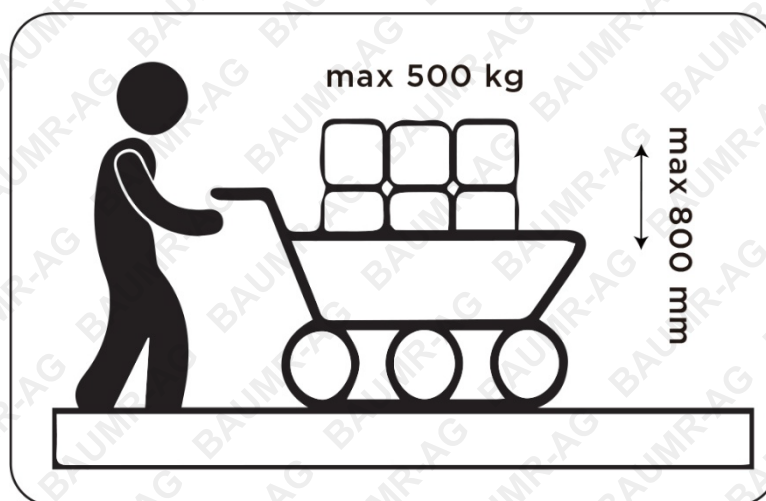
On Slopes:

- Always operate in low gear (speed setting 1).
- Reduce speed on unstable ground.
- When travelling downhill, reduce speed and maintain control using the drive system.
- Take extra care when starting or stopping on slopes.
- Avoid gear changes and sharp turns on slopes.
- Secure the load to prevent shifting.
- If stability is compromised, reduce the load.
- Reduce load height where visibility is limited.

Operating Limits

Flat Ground:

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



Slopes:

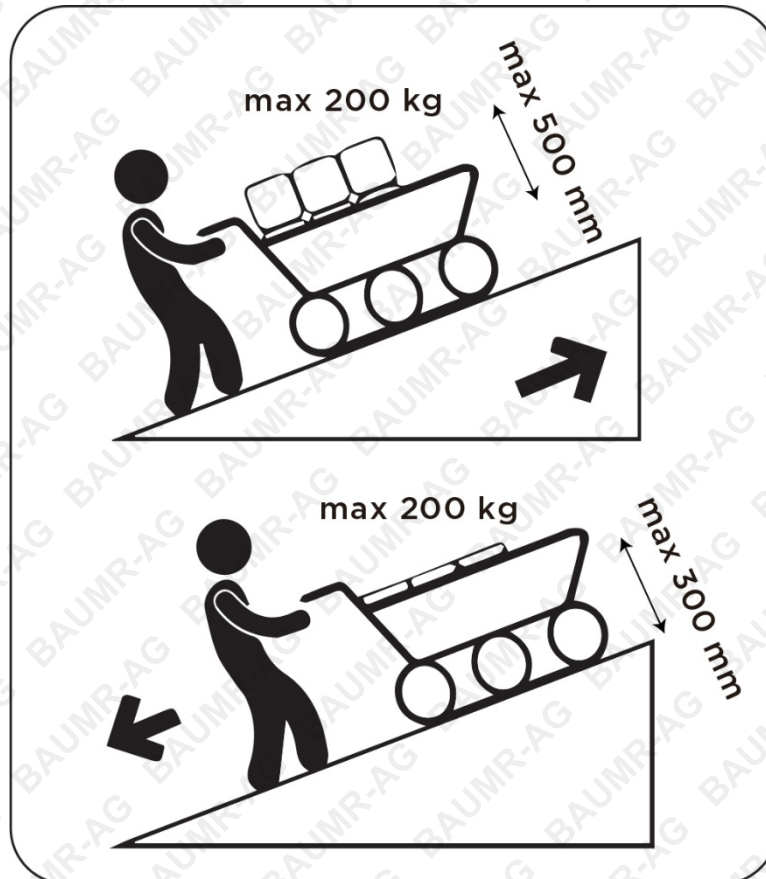
- Maximum slope: 15°

Maximum load:

- 200 kg for slopes less than 10°
- 100 kg for slopes between 10° and 15°

Maximum load height (measured from the base of the dumper box):

- 300 mm when descending
- 500 mm when ascending



Unloading

⚠ WARNING! Before unloading, stop the machine. Ensure the unloading area is clear of people and obstacles.

1. Push the tipping handle and hold it in position.
2. To raise the dumper box, push the tipping handle forward until the desired position is reached. Release the handle to stop.
3. To lower the dumper box, pull the tipping handle back. Once the box has returned to its original position, release the handle.

Switching Off the Machine

⚠ WARNING! Avoid abrupt stops, as this may cause the machine or load to overturn. Stop the machine on flat, stable ground. Do not park on sloped ground. If unavoidable, secure the wheels.

Emergency Shutdown

1. Release the clutch lever to stop the machine.
2. Turn the battery switch to the “OFF” position.

Normal Shutdown

1. Release the clutch lever to stop the machine.
2. Turn the key to the “OFF” position.
3. Turn the battery switch to the “OFF” position.

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 for 6 – 8 hours on the initial charge and 6 – 8 hours 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.

Maintenance

Regular maintenance and adjustment are required to keep the machine in good working condition. Follow the maintenance schedule below. Do not perform maintenance in poor visibility conditions.

⚠ WARNING! Stop the machine before performing any maintenance. Allow all components to cool before servicing.

⚠ IMPORTANT! Wear appropriate personal protective equipment, including gloves, safety footwear and eye protection.

⚠ NOTICE: Use recommended products only. Use genuine spare parts or equivalent. Non-compliant parts may damage the machine.

Lubricating The Wheels

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

Tyres

Ensure all wheel nuts are secure. Loose nuts may cause loss of control.

Hardware

Periodically check all fasteners for tightness and retighten as required.

Wiring Connections

Regularly inspect all wiring connections.

Brake System

Inspect the motor carbon brushes regularly and replace them if worn.

Charger

- Inspect the charger regularly for damage to the cord, plug or housing.
- Do not use a damaged charger. Have it repaired before use.

Battery

- Inspect the batteries regularly and keep them clean and dry.
- Fully charge the batteries before each use. Charge the batteries while installed in the machine, ensuring the machine is upright.
- For storage, keep the machine and battery box upright on level ground, with the drive wheels and support legs resting securely.

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 wet environment. Batteries may deteriorate during storage.
- Protect the batteries from heat and open flames. Risk of explosion.
- Clean the exterior of the machine using a clean cloth. Ensure air vents are free from obstructions.
- Store the machine on flat ground in a clean, dry and well-ventilated area.
- Do not expose the machine to direct sunlight during storage.
- Before storage, disconnect the batteries from any electrical circuit and store them in a cool, dry place.
- Disconnect the batteries from the motor unit by separating the connectors and, if necessary, the cables from the terminals.

Troubleshooting

Problem	Cause	Remedy
Machine does not run / stops unexpectedly / runs sluggishly / battery indicators do not illuminate	Undercharged battery	Fully charge the battery. A new battery should be charged for at least 12 hours before first use. Recharge until the green indicator light illuminates.
	Poor connection	Check all connectors. Ensure the charger is properly connected to the battery and plugged into a power outlet.
	No power supply	Ensure the wall outlet is switched on and supplying power.
	Charger fault	If the charger is faulty, have it checked or replaced by the manufacturer.
	Loose wiring or connectors	Check all wiring connections. Ensure the motor harness connector is secure and no wires are loose.
	Battery discharged or faulty	Recharge the battery as instructed in this manual.
	Battery overcharged	Do not charge the battery for more than 30 hours. If damage is suspected, contact the manufacturer.
	Machine overloaded or operating conditions too demanding	Do not exceed the maximum load capacity (500 kg). Operate under suitable conditions.
Sometimes the machine does not run, but works intermittently	Loose wire or connector	Check and secure all wiring connections.
	Motor or electrical fault	Contact the manufacturer for inspection and repair.
Battery makes a sizzling or gurgling noise during charging	Normal charging behaviour	No action required. Slight noise or minor swelling during charging can be normal.
One or more tyres are flat	Low air pressure	Inflate the tyre to the correct pressure.
	Puncture	Repair or replace the inner tube.
	Faulty valve	Tighten or replace the valve.
Machine feels loose or unstable	Loose hardware	Tighten all fasteners using appropriate tools.

Specifications

Power Type	Battery Powered
Motor	1000W Brushless DC Motor
Battery	48V 32Ah Lead-Acid Battery
Charging Time	6–8 Hours
Charger Plug	10A Australian Standard
Load Capacity	500kg
Bucket Capacity	200L
Bucket Material	Steel
Tipping System	Hydraulic
Maximum Tipping Angle	90°
Forward Speed	Up to 5km/h
Reverse Speed	Up to 1.5km/h
Range	Up to 30km Fully Loaded
Climbing Ability	15°
Brake Type	Electromagnetic Brake
Drive System	Direct Drive
Steering	Manual Steering with Swivel Wheels
IP Rating	IPX4
Tyres	Tubeless Rubber Tyres
Front Tyre Size	13 x 5.00-6
Rear Tyre Size	16 x 6.5-8



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.

