Bäumr-AG®



Ride On Lawn Mower Lift

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.

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.

Important Safety Information

- **WARNING! FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.**
- **WARNING! READ AND UNDERSTAND THIS MANUAL BEFORE USING THE PRODUCT. IT CONTAINS IMPORTANT SAFETY, OPERATING AND MAINTENANCE INFORMATION.**
- Keep this manual for future reference. If the product is passed on to another person, include this manual.

Product Safety

- Read, understand and follow all instructions before operating the lift.
- Do not exceed the rated load capacity.
- Use only on hard, level surfaces.
- This product is intended for lifting only. Immediately after lifting, support the vehicle using appropriate safety stands or supports.
- Do not move or transport the vehicle while it is supported by the lift.
- Failure to follow these warnings may result in personal injury and/or property damage.
- Lift the vehicle only at the points specified by the vehicle manufacturer.
- Do not modify or alter this product.
- Never work on, beneath or around a vehicle supported solely by the lift.
- Do not adjust the safety valve.
- Wear approved safety goggles and heavy-duty work gloves during operation.
- Keep clear of the load during lifting and lowering.
- Lower the load slowly.
- Engage the parking brake and chock the wheels before lifting the vehicle.
- Inspect the lift before each use. Do not use it if any parts are loose or damaged.

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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.

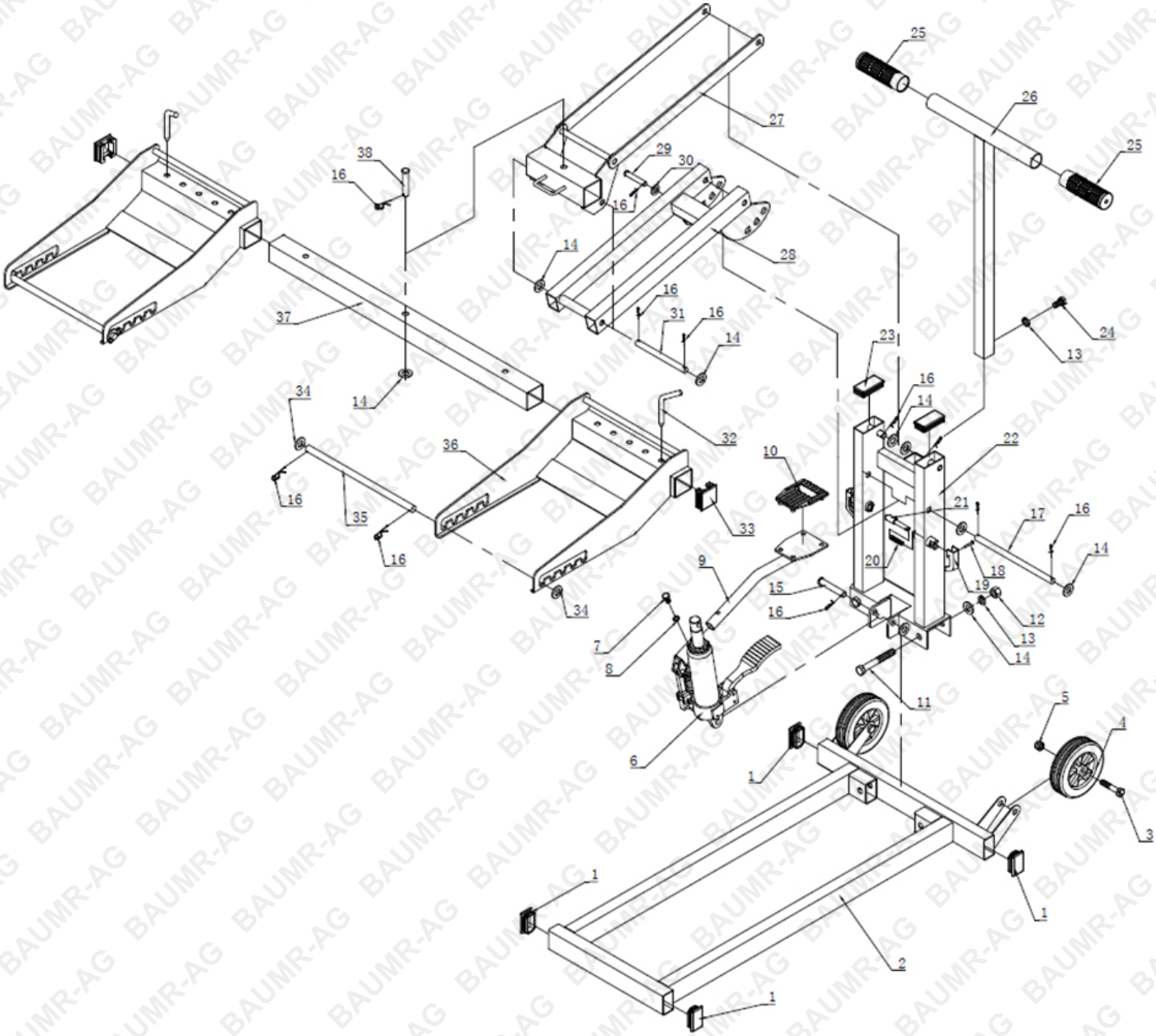
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Parts Identification



Item No.	Description	Qty	Item No.	Description	Qty
1	Base End Cap	4	**20**	Spring	2
2	Base	1	**21**	Lock Pin	2
3	Bolt	2	**22**	Shaft	1
4	Wheel	2	**23**	Beam End Cap	2
5	Nut	2	**24**	Bolt	1
6	Ram	1	**25**	Handle Grip	2
7	Foot Pedal Bolt	1	**26**	Handle	1
8	Lock Washer	1	**27**	Upper Lift Arm	1
9	Foot Pedal	1	**28**	Lift Arm Assembly	1

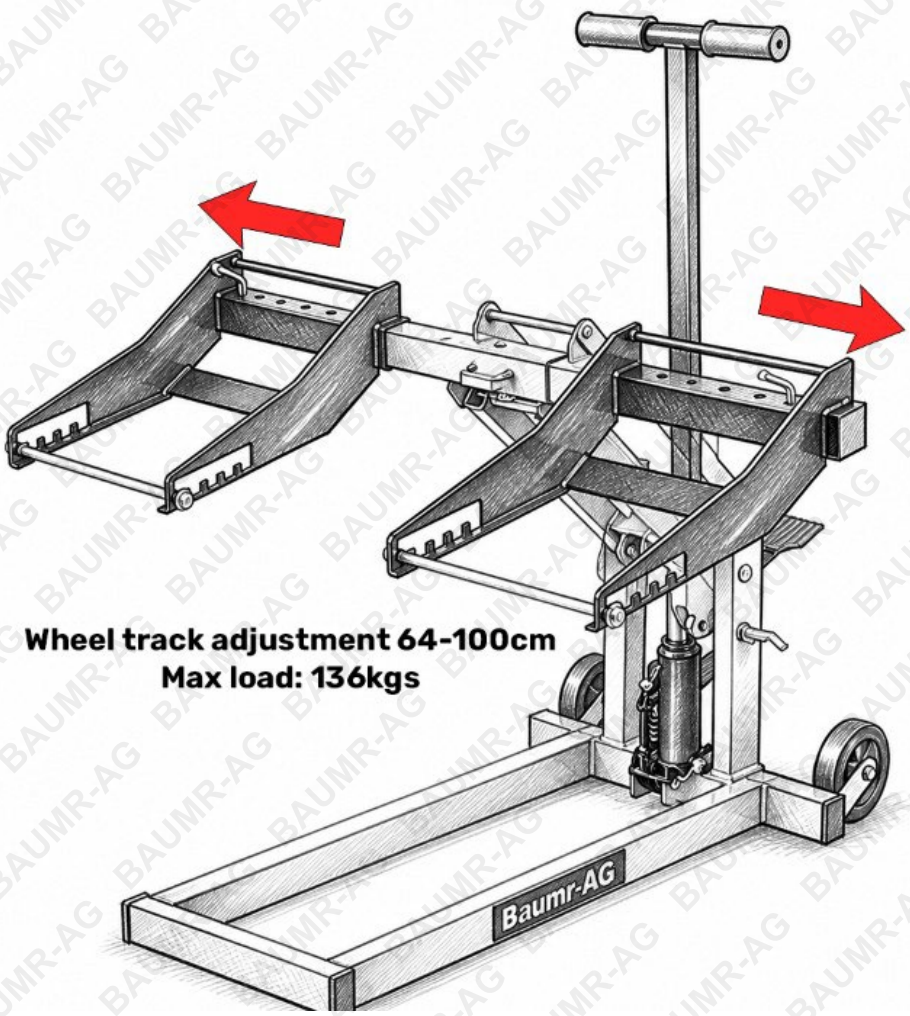
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Item No.	Description	Qty	Item No.	Description	Qty
10	Rubber Pedal	1	**29**	Upper Ram Pin	1
11	Bolt	2	**30**	Washer	1
12	Nut	2	**31**	Upper Lift Arm Pin	1
13	Lock Washer	3	**32**	Width Pin	2
14	Washer	10	**33**	Beam End Cap	2
15	Lower Ram Pin	1	**34**	Washer	4
16	R-Clip	13	**35**	Wheel Bracket Rod	2
17	Lift Ram Pin	1	**36**	Wheel Bracket	2
18	Pin	2	**37**	Extension Beam	1
19	Safety Lock Lever	2	**38**	Extension Beam Pin	1

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Set-Up

1. Place the Lift Arm and Shaft Assembly on a flat, level surface. Move both Safety Lock Levers to the unlocked position. Raise the Lift Arm to an upright position.
2. Position the Ram inside the Lift Arm and Shaft Assembly. Insert the Lower Ram Pin through the shaft bracket and the clevis base of the Ram. Insert the Upper Ram Pin through the lift arm bracket and the top of the Ram. Fit a Washer onto the end of each pin and secure it with an R-Clip.
3. Position the Lift Arm and Shaft Assembly on the wheeled end of the Base, aligning the bolt holes. Secure the assembly using two Bolts, Lock Washers and Nuts.
4. Insert the Extension Beam through the bracket on the Upper Lift Arm. Insert the Extension Beam Pin through the hole in the centre of the bracket. Fit a Washer onto the end of the pin and secure it with an R-Clip.
5. Slide a Wheel Bracket onto each end of the Extension Beam. Align the holes and insert the Width Pins to secure both brackets.
6. Remove the R-Clip and Washer from one end of each Wheel Bracket Rod. Insert a rod through the slots in each Wheel Bracket. Refit the Washers and secure each rod with an R-Clip.
7. Insert the Foot Pedal into its holder on the Ram. Secure it using the Foot Pedal Bolt and Lock Washer through the side of the holder.
8. Insert the Handle into the bracket on the Lift Arm and Shaft Assembly, aligning the holes. Secure it using the Handle Bolt and Washer.



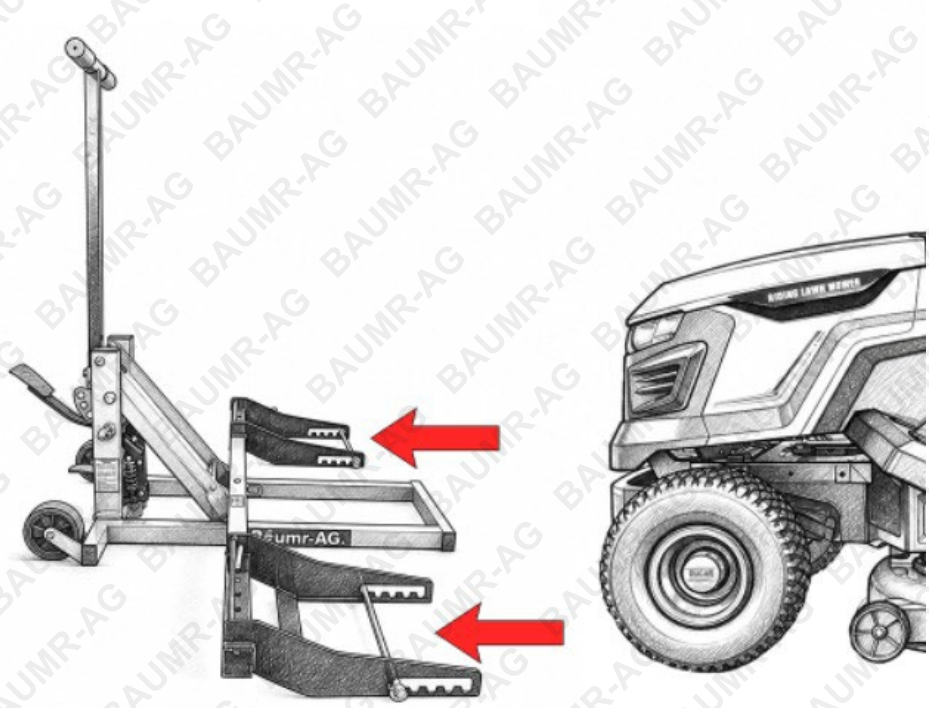
Operation

Lifting

1. Measure the wheel width of the ride-on mower or ATV and adjust the Wheel Brackets accordingly. Secure them using the Width Pins.

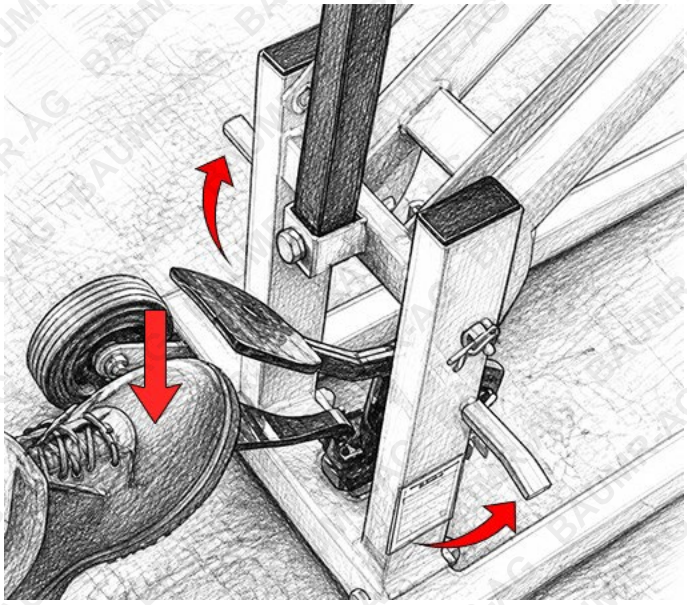
WARNING! Ensure both Wheel Brackets are equally spaced from the centre of the lift. Uneven positioning may cause instability or tipping.

2. Measure the distance from the floor to the underside of each wheel. Adjust the depth of both Wheel Brackets to be slightly greater than this distance.
3. Press the Release Pedal to lower the lift completely, then release the pedal.
4. Straighten the vehicle's wheels using the steering controls. Place wheel chocks (sold separately) against the wheels on the opposite side of the vehicle.
5. Position the Wheel Brackets against the front of the vehicle's wheels. Push the brackets underneath until both wheels are centred securely within them.
6. Move both Safety Lock Levers to the locked position to engage the locking mechanism.
7. Hold the Handle firmly and pump the Foot Pedal using smooth, full strokes.
8. Raise the vehicle to the desired height. The locking mechanism will automatically engage at one of three locking positions.
9. Ensure the Lift Arm is securely locked in one of the three positions before working on the vehicle.



Lowering

1. Remove all tools, parts and equipment from beneath the vehicle.
2. Pump the Foot Pedal slightly to relieve pressure on the locking mechanism.
3. Move both Safety Lock Levers to the horizontal, unlocked position to disengage the locking mechanism.
4. Keep clear of the vehicle and press the Release Pedal to lower it slowly.
5. Once the lift is fully lowered, remove it from beneath the vehicle.
6. Store the lift in a safe, dry location out of reach of children when not in use.



Maintenance

Regular inspection and maintenance will help ensure the safe operation and extend the service life of the Ride-On Lawn Mower Lift. 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.

Cleaning

- Clean the lift after each use to remove dirt, grass clippings and debris.
- Wipe all surfaces with a clean, damp cloth and dry thoroughly.
- Do not use harsh chemicals, solvents or abrasive cleaners.
- Keep the hydraulic ram, moving parts and locking mechanisms free from dirt and debris.

Inspection and Lubrication

- Inspect the lift before each use for signs of wear, damage, corrosion or loose components.
- Check all bolts, nuts, pins, washers and R-Clips. Tighten or replace components as necessary.
- Inspect the hydraulic ram for oil leaks, damage or unusual operation.
- Check that the Safety Lock Levers engage and disengage correctly.
- Apply a small amount of suitable lubricating oil to pivot points, joints and other moving metal parts as required.
- Check the wheels and Wheel Brackets for damage or excessive wear.
- Do not use the lift if any components are damaged or the hydraulic system is not functioning correctly.

Hydraulic System Maintenance

- Regularly inspect the hydraulic ram for leaks and signs of damage.
- Keep the piston rod clean and free from dirt and corrosion.
- Do not adjust or tamper with the hydraulic safety valve.
- If the lift fails to raise, hold or lower a load correctly, stop using it immediately.
- Have any hydraulic repairs or servicing carried out by qualified personnel.

Storage

- Remove all loads and lower the lift completely before storage.
- Clean and dry the lift thoroughly.
- Store it on a flat, stable surface in a clean, dry and well-ventilated area.
- Keep the lift away from moisture, corrosive chemicals and extreme temperatures.
- Store the lift out of reach of children and unauthorised users.

WARNING! Never inspect, clean, lubricate or service the lift while it is supporting a load. Do not use damaged or unauthorised replacement parts. All repairs must be carried out by qualified personnel.

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Specifications

Jack Type	Hydraulic
Maximum Load Capacity	136 kg
Lifting Height Range	0–60.5 cm
Frame and Chassis Material	Steel
Frame and Chassis Finish	Powder-Coated
Design	Foldable
Adjustable Wheel Width	93–129.5 cm
Applicable Wheel Track Range	64–100 cm
Wheel Saddle Adjustment	6 Positions
Platform Dimensions	36.5 × 26.7 cm
Locking System	Safety Lock with 5 Locking Positions
Operation	Hydraulic Pump with Removable Handle and Foot Pedal
Lawn Mower Compatibility	Compatible Lawn Tractors and Ride-On Mowers
Wheel Diameter	127 mm
Assembly Required	Yes

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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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