Bäumr-AG®



460CX 14” Lawn Mower

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.

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.

HAZARDOUS COMPONENTS!

- **BE AWARE THAT THE EQUIPMENT MAY INCLUDE HAZARDOUS COMPONENTS, SUCH AS BLADES, HOT SURFACES AND MOVING PARTS.**
- **MOVING BLADES CAN CAUSE SERIOUS INJURY AND EVEN DEATH IF USED IMPROPERLY OR WITHOUT SUFFICIENT PPE.**
- **DO NOT USE THIS EQUIPMENT ON UNEVEN SURFACES AND ALWAYS MAINTAIN GOOD BALANCE WHEN USING THIS EQUIPMENT. FAILURE TO DO SO MAY CAUSE SERIOUS INJURY.**
- **MAINTAIN A SECURE GRIP OF THE TRIGGER ASSEMBLY AT ALL TIMES.**

READ ALL INSTRUCTIONS

- ⚠ **WARNING: DUST GENERATED BY SANDING, SAWING, GRINDING, DRILLING AND OTHER CONSTRUCTION ACTIVITIES MAY CONTAIN HAZARDOUS SUBSTANCES, INCLUDING:**
  - Lead from lead-based paints.
  - Crystalline silica from bricks, cement and other masonry products.
  - Arsenic and chromium from chemically treated timber.
- Exposure to these substances varies depending on how often this type of work is performed. To reduce exposure, work in a well-ventilated area and use approved personal protective equipment (PPE), such as a suitable dust mask designed to filter fine particles.

IMPORTANT SAFETY INSTRUCTIONS

- ⚠ **WARNING: ONLY USE ACCESSORIES SUPPLIED WITH THIS PRODUCT OR APPROVED BY THE MANUFACTURER. USING OTHER ACCESSORIES MAY INCREASE THE RISK OF INJURY. FOLLOW THE INSTRUCTIONS IN THIS MANUAL WHEN PREPARING ACCESSORIES FOR USE.**
- The appliance must only be used with the power supply unit provided with it.

SAFETY INSTRUCTIONS FOR LAWN MOWERS

- ⚠ **WARNING: READ ALL SAFETY WARNINGS AND INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY.**

Work area safety

- To reduce the risk of injury from contact with the moving blade or thrown objects, keep bystanders, particularly children, away from the operating area. Stop the lawn mower and any attachments if anyone enters the area.
- Only operate the lawn mower in daylight or good artificial light. Poor visibility increases the risk of accidents.

- Do not operate the lawn mower in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Sparks may ignite dust or fumes.
- Do not use the lawn mower during severe weather, particularly when there is a risk of lightning. This reduces the risk of being struck by lightning.
- Thoroughly inspect the area where the lawn mower will be used. Remove stones, sticks, wires, bones and other foreign objects. Thrown objects may cause personal injury.

Electrical safety

- Do not expose the lawn mower to rain or wet conditions. Water entering the lawn mower may increase the risk of electric shock.

Personal safety

- Use personal protective equipment (PPE). Always wear eye protection. Appropriate PPE reduces the risk of personal injury.
- Dress appropriately. Do not wear loose clothing or jewellery. Keep hair and clothing away from moving parts. Loose clothing, jewellery or long hair may become caught in moving parts.
- Always wear long trousers when operating the lawn mower. Exposed skin increases the risk of injury from thrown objects.
- Always wear non-slip, protective footwear when operating the lawn mower. Do not operate the lawn mower barefoot or while wearing open-toed sandals. This reduces the risk of foot injury from contact with the moving blade.
- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting the lawn mower to a power source and/or battery, or before picking up or carrying the lawn mower. Carrying the lawn mower with your finger on the switch, or connecting power while the switch is on, may cause an accident.
- Remove any adjusting key or wrench before starting the lawn mower. A wrench or key left attached to a rotating part may cause personal injury.
- Maintain proper footing and balance at all times. This provides better control of the lawn mower in unexpected situations.
- Stay alert and use common sense when operating the lawn mower. Do not operate the lawn mower while tired or under the influence of drugs, alcohol or medication. A moment of inattention may result in serious personal injury.
- Do not allow familiarity gained from frequent use of the lawn mower to make you complacent or ignore safety principles. A careless action can cause severe injury in a fraction of a second.
- To reduce the risk of contact with the blade or injury from thrown objects, remain in the operator zone behind the lawn mower handles. Contact with the blade or thrown objects may result in serious personal injury.
- Do not touch the blades or other hazardous moving parts while they are still moving. This reduces the risk of injury from moving parts.

Lawn mower use and care

- Use the lawn mower and accessories in accordance with these instructions, taking into account the working conditions and the task to be performed. Using the lawn mower for purposes other than those intended may create a hazardous situation.
- Before using the lawn mower, visually inspect the blade(s) and blade assembly to ensure they are securely fitted and are not worn or damaged. Loose, worn or damaged parts may increase the risk of injury.
- Keep guards and other safety devices securely fitted and in good working order. Loose, damaged or incorrectly functioning safety devices may cause personal injury.
- Keep all cooling air inlets clear of debris. Blocked air inlets may cause overheating or fire.
- Do not use the lawn mower if the switch does not turn it on and off. A lawn mower that cannot be controlled with the switch is dangerous and must be repaired.
- Do not operate the lawn mower on wet grass. Walk; never run. This reduces the risk of slipping, falling and personal injury.
- Do not operate the lawn mower on excessively steep slopes. This reduces the risk of losing control, slipping and falling.
- Do not force the lawn mower. Use the correct lawn mower for the task. The correct lawn mower will perform the job more safely and effectively at the rate for which it was designed.
- Be aware of the discharge direction of the lawn mower and any attachments. Never direct discharged material towards people. Thrown objects may cause personal injury.
- Use extreme caution when reversing or pulling the lawn mower towards you. Always be aware of your surroundings to reduce the risk of tripping.
- When mowing on slopes, maintain secure footing and always mow across the face of the slope, never up or down. Use extreme caution when changing direction. This reduces the risk of losing control, slipping and falling.
- Activate the disabling device and/or remove all removable battery packs before making adjustments, changing accessories or storing the lawn mower. These precautions reduce the risk of accidental starting.
- Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery handles and gripping surfaces may prevent safe handling and control of the lawn mower.
- Check the grass catcher frequently for wear or damage. A worn or damaged grass catcher may increase the risk of personal injury.
- Before removing the grass catcher, switch off the motor and wait for the blade(s) to come to a complete stop. The blade(s) may continue rotating after the blade control is released. Never place any part of your body near the blade(s) until the motor is off and the blade(s) have stopped completely. Contact with moving blades may cause serious personal injury.
- Before clearing a blocked chute, switch off the motor, wait for the blade(s) to come to a complete stop, activate the disabling device and/or remove all removable batteries. Never place any part of your body near the blade(s) until the motor is off and the blade(s) have stopped completely. Contact with moving blades may cause serious personal injury.
- Before cleaning or inspecting the lawn mower, switch off the motor, wait for the blade(s) to come to a complete stop, activate the disabling device and/or remove all removable batteries. Accidental contact with moving blades or other moving parts may cause personal injury.
- Maintain the lawn mower and accessories. Check for misalignment or binding of moving parts, broken parts and any other condition that may affect operation. If damaged, have the lawn mower repaired before use. Poorly maintained lawn mowers can cause accidents.
- Store the lawn mower out of reach of children. Do not allow anyone unfamiliar with the lawn mower or these instructions to operate it. Lawn mowers are dangerous in the hands of untrained users.

Battery lawn mower use and care

- Use only battery packs specifically designed for the lawn mower. Using other battery packs may create a risk of injury or fire.
- Recharge only with the charger specified by the manufacturer. A charger suitable for one type of battery pack may create a fire risk when used with another type.
- Follow all charging instructions. Do not charge the battery pack(s) or lawn mower outside the temperature range specified in these instructions. Charging incorrectly or outside the specified temperature range may damage the battery and increase the risk of fire.
- Do not use a damaged or modified battery pack or lawn mower. Damaged or modified batteries may behave unpredictably, resulting in fire, explosion or personal injury.
- Do not expose the battery pack(s) or lawn mower to fire or excessive temperatures. Exposure to fire or temperatures above 130 °C may cause an explosion.
- Under abusive conditions, liquid may be ejected from the battery. Avoid contact. If accidental contact occurs, rinse with water. If the liquid contacts the eyes, seek medical attention. Liquid ejected from the battery may cause irritation or burns.
- When the battery pack is not in use, keep it away from metal objects such as paper clips, coins, keys, nails and screws that could connect one terminal to another. Short-circuiting the battery terminals may cause burns or fire.

Service

- Have the lawn mower serviced by a qualified service technician using only identical replacement parts. This helps maintain the safety of the lawn mower. Using parts that do not meet the original equipment specifications may affect performance and compromise safety.
- Never service damaged battery packs. Battery packs must only be serviced by the manufacturer or an authorised service provider.

Safety Warnings for the Battery Pack

- Do not modify or attempt to repair the battery pack. Do not dismantle, open or shred it.
- Do not expose the battery pack or lawn mower to fire or excessive temperatures. Exposure to fire or temperatures above 130 °C may cause an explosion.
- Do not short-circuit the battery pack. Do not store battery packs where they may contact each other or other metal objects. When not in use, keep the battery pack away from metal objects such as paper clips, coins, keys, nails and screws. Short-circuiting the battery terminals may cause burns or fire.
- Do not subject the battery pack to mechanical shock.
- Observe the positive (+) and negative (–) markings on the battery pack and equipment, and ensure correct installation.
- Keep the battery pack out of reach of children.
- Only use battery packs recommended by the manufacturer for this equipment.
- Keep the battery pack clean and dry.
- If the battery terminals become dirty, wipe them with a clean, dry cloth.
- Charge the battery pack before use. Always use the specified charger and follow the charging instructions in this manual.
- Do not leave the battery pack charging for prolonged periods when not in use.
- After extended storage, the battery pack may need to be charged and discharged several times to achieve maximum performance.
- The battery pack performs best at normal room temperature, approximately 20 °C ± 5 °C.
- Use the battery pack only for its intended purpose. Do not use a battery pack or lawn mower that is damaged or modified. Damaged or modified batteries may behave unpredictably, resulting in fire, explosion or personal injury.
- Remove the battery pack from the lawn mower when it is not in use.
- Dispose of the battery pack responsibly and in accordance with local regulations.
- Do not charge the battery pack outdoors, in rain or in wet locations.
- Recharge only with the charger specified by the manufacturer. A charger suitable for one type of battery pack may create a fire risk when used with another battery pack.
- Use the lawn mower only with specifically designated battery packs. Using other battery packs may create a risk of injury or fire.
- Under abusive conditions, liquid may be ejected from the battery. Avoid contact. If accidental contact occurs, rinse the affected area with water. If the liquid contacts the eyes, seek medical attention. Battery liquid may cause irritation or burns.
- **SAVE THESE INSTRUCTIONS: KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE AND USE THEM TO INSTRUCT ANYONE WHO MAY OPERATE THE LAWN MOWER. IF YOU LEND THE LAWN MOWER TO ANOTHER PERSON, PROVIDE THESE INSTRUCTIONS WITH IT TO HELP PREVENT MISUSE AND POSSIBLE INJURY.**

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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.

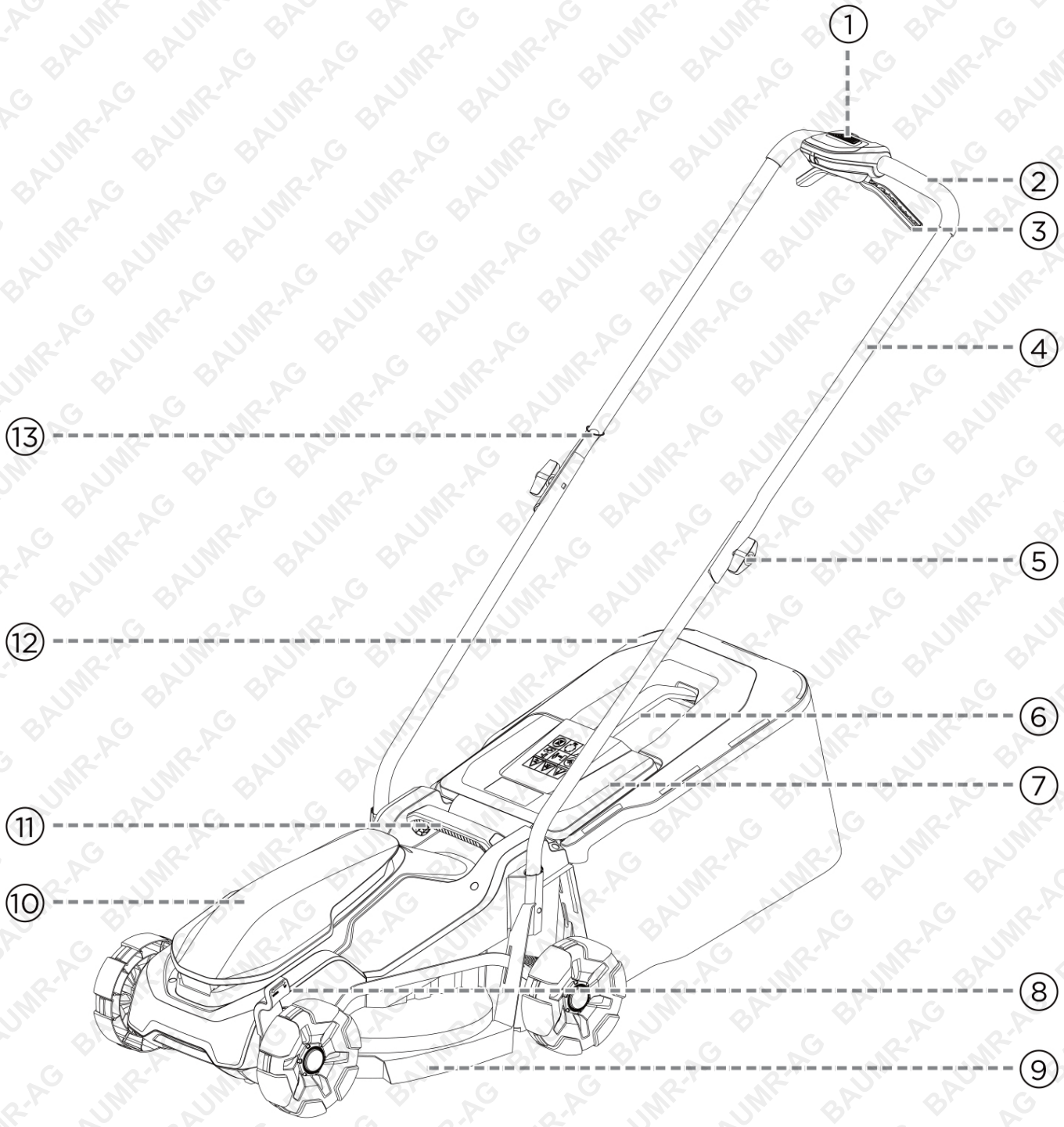
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 **Carbon-Monoxide Hazard** Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.	 **Pull Hazard** Be aware that the product contains or uses mechanical devices that can pull in objects and 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



No.	Name	No.	Name
1	Lock-off Button	8	Height Adjustment Lever
2	Push Handle	9	Mower Deck
3	On/Off Trigger	10	Battery Compartment Cover
4	Upper Handle	11	Carrying Handle
5	Upper Handle Bolts and Hand Knobs	12	Grass Bag
6	Lower Handle	13	Cable Clamp
7	Rear Discharge Cover		

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Assembly

Charging the Battery

⚠ WARNING: Charge the battery in a dry, well-ventilated area away from combustible materials and ignition sources.

NOTICE: Lithium-ion batteries are supplied partially charged. Fully charge the battery before first use.

Unpacking

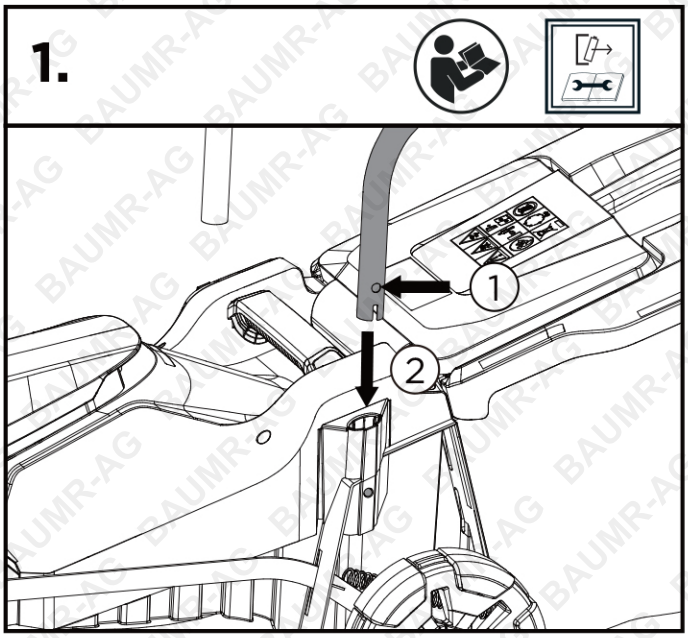
⚠ WARNING: To prevent accidental starting and possible serious injury, always remove the battery pack before assembling the lawn mower.

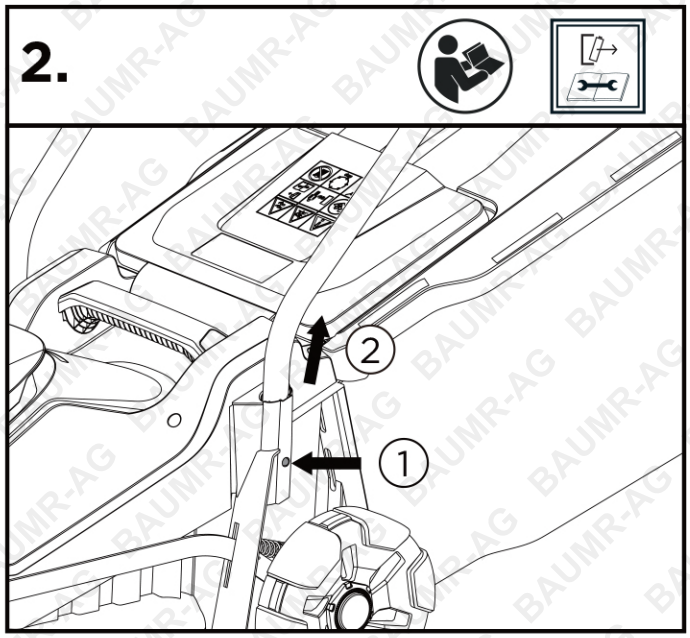
⚠ WARNING: Do not modify the lawn mower or use accessories not recommended for it. Modifications or unauthorised accessories may create hazardous conditions and cause serious injury.

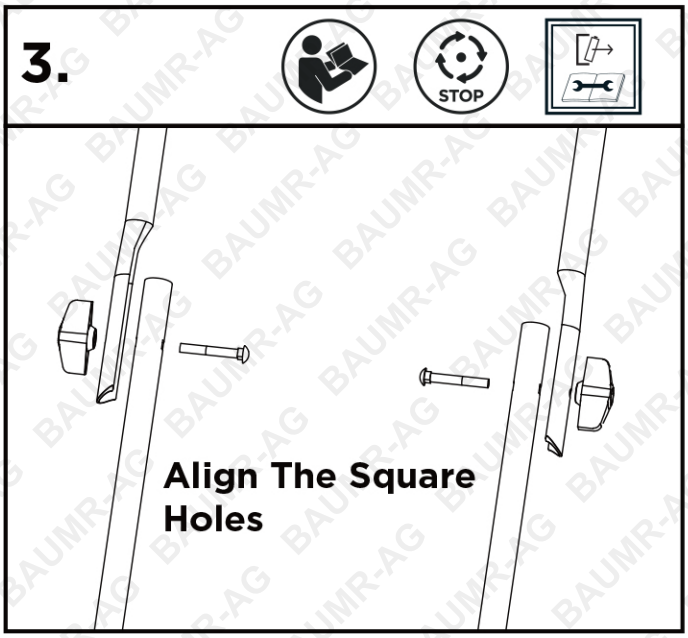
⚠ WARNING: Do not start the lawn mower until it is fully assembled.

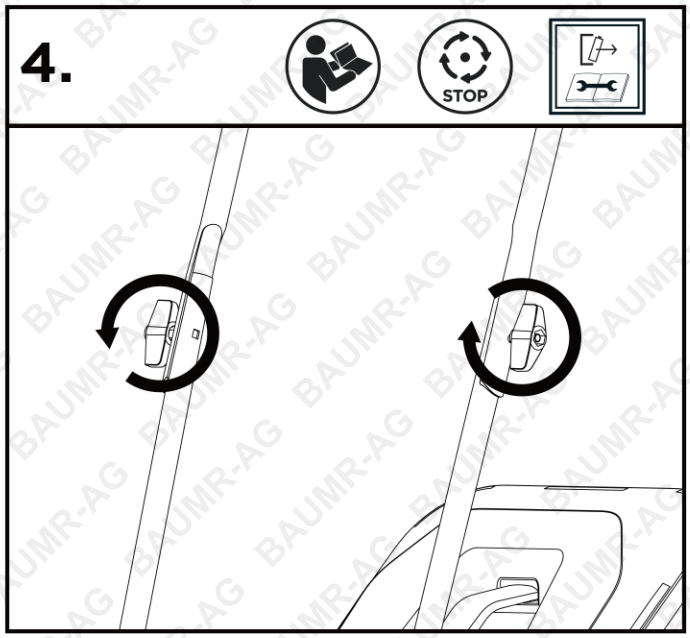
- This product requires assembly.
- Remove all items from the carton and check that all items listed in the packing list are included.
- Inspect the lawn mower for damage that may have occurred during transport.
- Do not discard the packaging until you have inspected and successfully operated the lawn mower.
- If any parts are damaged or missing, contact the manufacturer.

Handle Assembly









⚠ WARNING: Do not start the lawn mower until it is fully assembled.

Lower Handle Installation

1. Insert the lower handle into the mounting position as shown.
2. Press the spring-loaded locking pin while inserting the handle.
3. Align the pin with the hole. The pin will spring out and lock the handle in place. (Fig. 1)

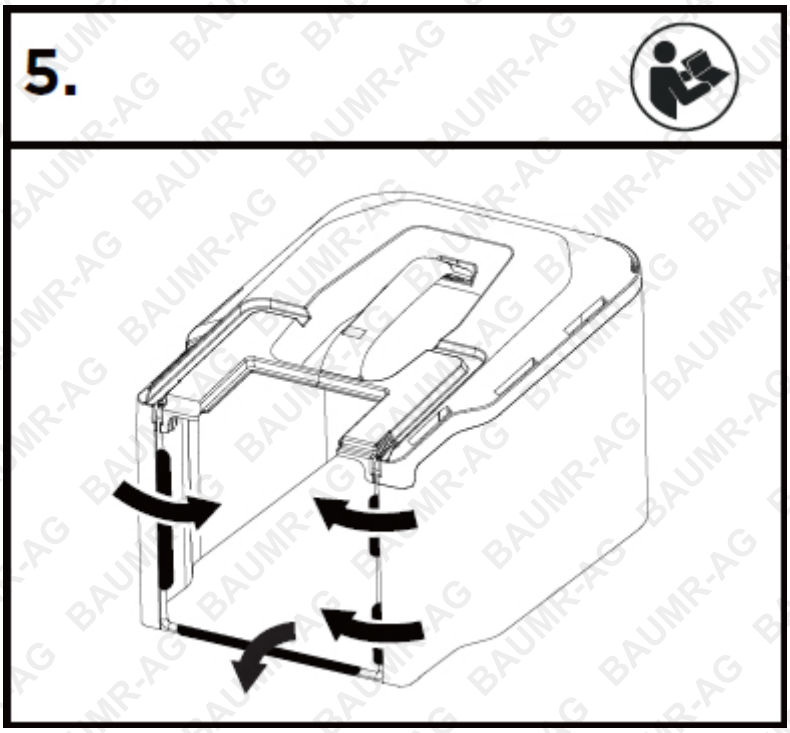
Lower Handle Removal

Press the spring-loaded locking pin and pull the lower handle out. (Fig. 2)

Upper Handle Installation

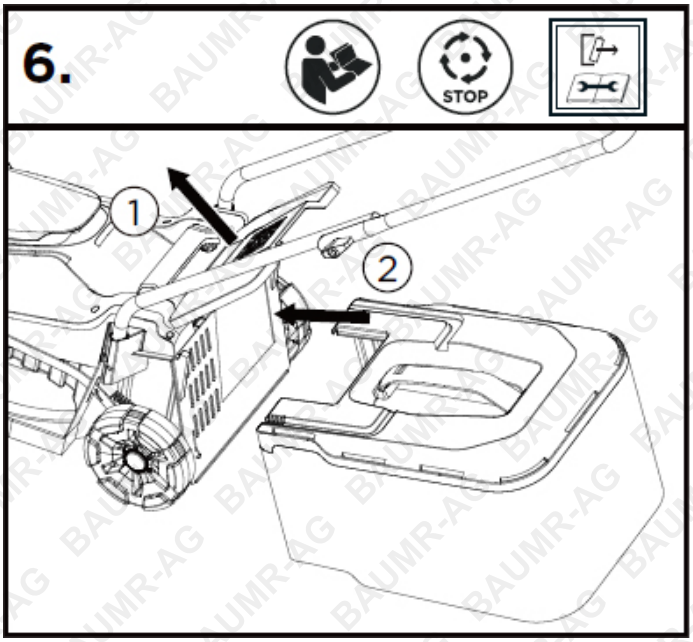
Attach the upper handle to the lower handle using the supplied bolts and hand knobs, as shown. (Figs. 3 and 4)

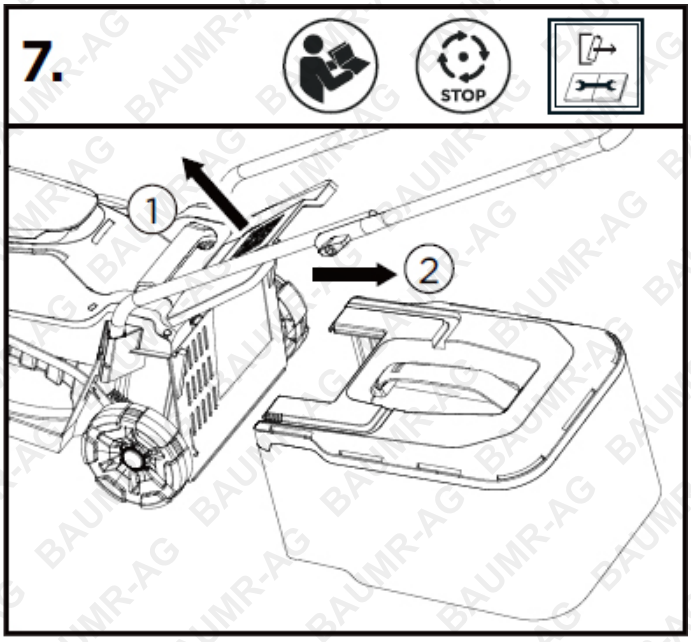
Set Up the Grass Bag



1. Unfold the grass bag as shown.
2. Attach the fastening strips along the edges of the bag to the frame rods.

Attaching/Removing the Grass Bag





⚠ WARNING: Before making any adjustments to the lawn mower, switch off the motor, remove the battery packs and wait for the blade to come to a complete stop.

Attaching the grass bag

1. Lift and hold the rear discharge cover.
2. Hold the grass bag by the handle and hook it securely onto both sides of the lawn mower. (Fig. 6)
3. Lower the rear discharge cover so that it rests securely on top of the grass bag.

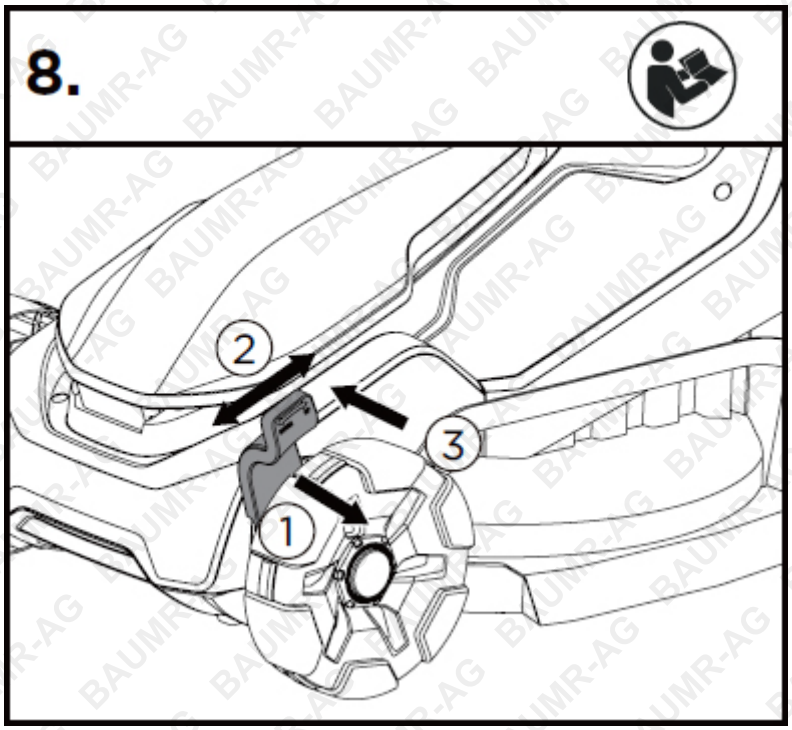
Removing the grass bag

1. Lift the rear discharge cover. Lift the grass bag up and off the hooks on both sides.
2. Lower the rear discharge cover. (Fig. 7)

⚠ WARNING: Before operating the lawn mower, ensure the grass bag is securely attached and the rear discharge cover rests firmly on top of it.

⚠ WARNING: The grass bag is subject to wear during normal use. Inspect it frequently and replace it if there are signs of wear or damage. Only use replacement grass bags approved by the manufacturer for this lawn mower.

Adjusting the Cutting Height

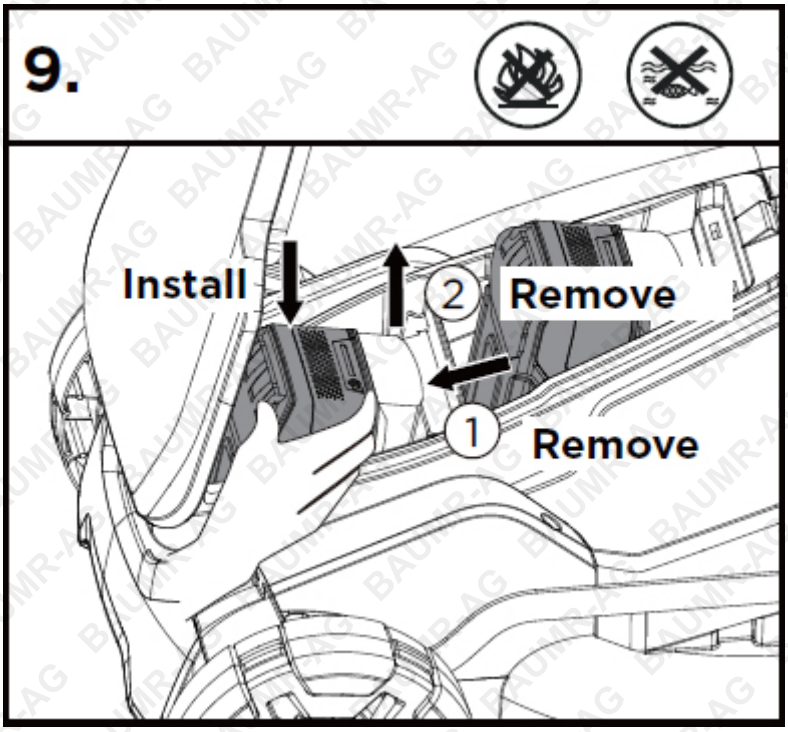


⚠ WARNING: Before adjusting the cutting height, switch off the motor, remove the battery packs and wait for the blade to come to a complete stop.

⚠ WARNING: Keep your feet away from the mower deck when adjusting the cutting height.

The lawn mower has a five-position cutting-height adjustment. Move the height adjustment lever from its current position and engage it securely in the required setting.

Installing/Removing the Batteries



NOTICE: Do not use excessive force when installing the batteries. The lawn mower operates only when two battery packs are installed. Do not mix new and old battery packs. Charge and use both battery packs at the same time.

Installing

Insert the battery packs into the battery compartments in the correct orientation. Push each battery pack fully into place until it clicks and locks securely.

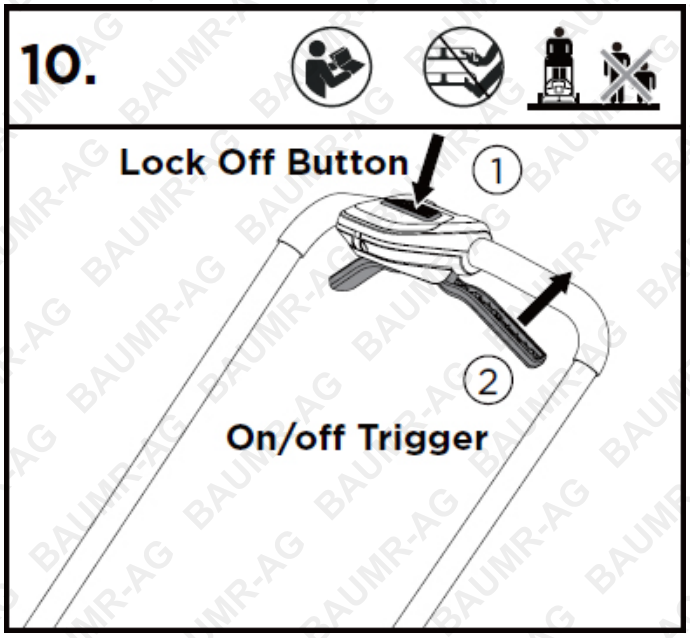
Removing

Press the battery release button, then pull each battery pack out of the lawn mower.

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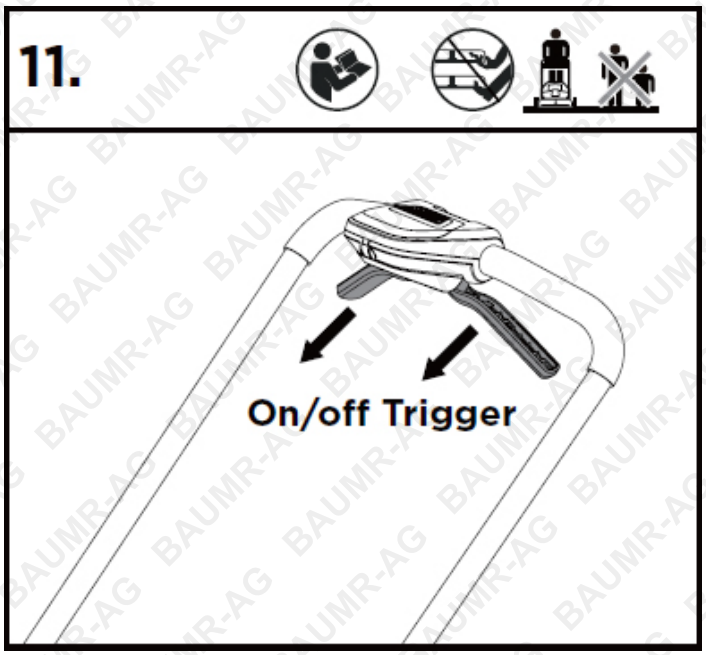
Operation

STARTING THE LAWN MOWER



1. Install the battery packs and close the battery compartment cover.
2. Press and hold the lock-off button.
3. While holding the lock-off button, pull the On/Off trigger towards the handle, then release the lock-off button.
4. The lawn mower will start.

Stopping the Lawn Mower



1. Fully release the On/Off trigger.
2. The electric brake will stop the blade within 3 seconds after the On/Off trigger is released.

Mowing Tips

NOTICE: A sharp blade significantly improves mowing performance, particularly when cutting tall grass. Check the blade for sharpness before mowing.

- Before mowing, ensure the lawn is free of stones, sticks, wires and other objects that could damage the lawn mower or motor. Objects thrown by the lawn mower may cause serious personal injury.
- For best results, mow back and forth across the lawn rather than in circles.
- When mowing thick grass, reduce your walking speed to improve cutting and discharge performance.
- To maintain a healthy lawn, remove no more than one-third of the total grass height at each mowing.
- As a general guide, maintain the lawn at approximately 40–50 mm during cooler months and 50–80 mm during warmer months.

⚠ WARNING: If the lawn mower strikes a foreign object, switch off the motor and remove the battery packs. Inspect the lawn mower thoroughly and repair any damage before restarting. Excessive vibration during operation may indicate damage. Stop the lawn mower immediately and have it inspected and repaired.

Mowing On Slopes

Slopes are a major cause of slips and falls, which may result in serious injury. Take extra care when mowing on slopes. Do not mow slopes steeper than 15°.

DO:

- Mow across the face of slopes, never up and down. Use extreme caution when changing direction.
- Watch for holes, ruts, rocks, hidden objects and uneven ground that may cause you to slip or trip. Tall grass may conceal obstacles.

DO NOT:

- Do not mow near drop-offs, ditches or embankments where you could lose your footing or balance.
- Do not mow slopes steeper than 15° (approximately 0.75 m rise over 3 m).
- Do not mow wet grass. Poor footing may cause you to slip.

Walking with Your Mower

WARNING: Always observe the strictest safety procedures when using the lawnmower. Carefully read the safety instructions in this manual before using the lawnmower.

WARNING: Never open the ejector flap when the grass bag has been detached (to be emptied) and the engine is still running. The rotating blade can cause serious injuries!

1. Select your required setting.
2. Start the engine and allow it to run and set it to the required speed.
3. Keep a firm grip on the upper handle with engine stop/start lever and drive lever (clutch lever) dosed and walk along with its self-propelling to start mowing.

When Mowing:

- Walk. never run with the mower. Be very careful when mowing uneven or rough ground.
- Mow across slopes. never up and down.
- Be careful when changing the direction of the mower on a slope.
- Do not mow excessively steep slopes.

Note: Grass clippings can clog underneath the mower deck, preventing the blades from turning. This can overheat the engine, causing excessive wear to engine components, reducing the lawn mower's overall lifespan or catastrophic failure of engine bearings and pistons.

Clogging occurs if you mow wet, long, or lush grass. For the best result, mow when the grass is dry and use a whipper snipper to reduce the height of grass longer than 15cm (6”) before mowing on the highest cutting setting.

- Grass grows at different rates at different times of the year. Never use the lowest cutting height for the first cut of the season or in drought conditions.
- Only about one third of the grass height should be cut.
- When mowing with the mulching function, do not cut high or wet grass to ensure that the cut grass can be scattered efficiently. When you have been cutting for several minutes, please stop the mower, and clean the blade and the deck.
- Do not remove grass debris in the mower casing or on the blade by hand or with your feet. Instead, use suitable tools such as a brush or broom.

NOTE: If any grass residue is caught in the discharge chute, clean it using a brush. Do not remove grass debris in the mower casing or on the blade with your hand or feet. Instead, use suitable tools such as a brush or broom. To ensure that the cut grass can be collected into the grass catcher, the discharge opening, and interior of the mower casing must be cleared of any blockage.

⚠ WARNING: Do not allow familiarity with the lawn mower to make you careless. A moment of inattention may result in serious injury.

⚠ WARNING: Do not use attachments or accessories not recommended by the manufacturer. Using unauthorised attachments or accessories may result in serious personal injury.

⚠ WARNING: Always wear approved safety glasses with side protection and suitable hearing protection. Failure to do so may result in serious injury.

Starting/Stopping the Lawn Mower

⚠ WARNING: The lawn mower may throw objects that can cause serious eye injuries. Always wear approved safety glasses when operating, adjusting or servicing the lawn mower.

⚠ WARNING: Keep people and pets at least 30 m away while the lawn mower is operating.

⚠ WARNING: The blade continues to rotate for a few seconds after the lawn mower is switched off. Allow the motor and blade to stop completely before restarting. Do not repeatedly switch the lawn mower on and off in quick succession.

⚠ CAUTION: Do not attempt to bypass or disable the lock-off button or On/Off trigger.

Lithium 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 2 hours on the initial charge and 2 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.
3. **Disconnect battery when not in use**. To prolong the life of a battery, disconnect it from the unit when not in use. Disconnect chargers from the battery once charged.

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

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

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

DANGER - BATTERY CHARGING, USE AND STORAGE

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

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

Maintenance

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

⚠ **WARNING: When servicing the lawn mower, use only identical replacement parts. Using other parts may create a hazard or damage the lawn mower. Repairs must be performed by a qualified service technician.**

⚠ **WARNING: To prevent serious personal injury, remove the battery packs before servicing, cleaning, changing attachments or removing debris from the lawn mower.**

⚠ **WARNING: For safety, replace worn or damaged parts immediately. Use only genuine replacement parts approved by the manufacturer.**

⚠ **WARNING: Do not use the lawn mower if it is damaged. If unusual noise or vibration occurs, stop using the lawn mower and have the fault corrected before further use.**

General Maintenance Tips

- Do not attempt to repair the lawn mower yourself.
- Check all fasteners regularly and tighten as required to keep the lawn mower in safe working condition.
- Before each use, inspect the lawn mower for:
  - loose fasteners;
  - misaligned or binding moving parts;
  - cracked, broken or damaged parts; and
  - any other condition that may affect safe operation.

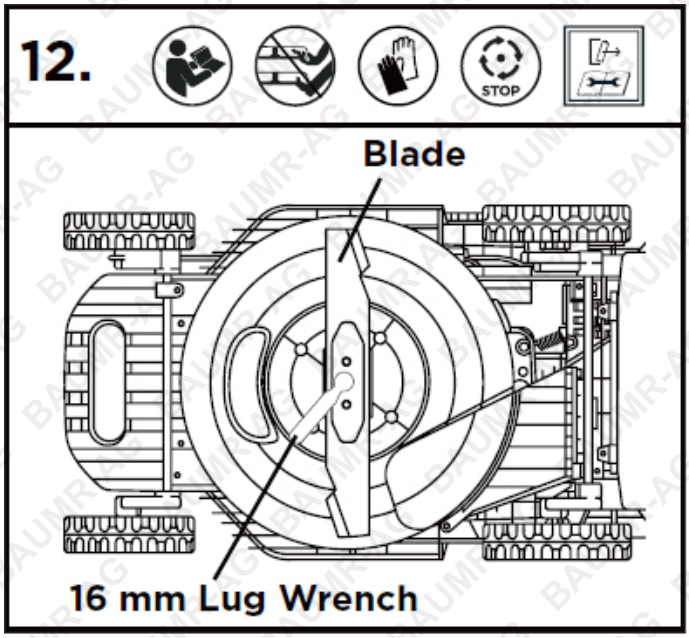
Cleaning the Lawn Mower

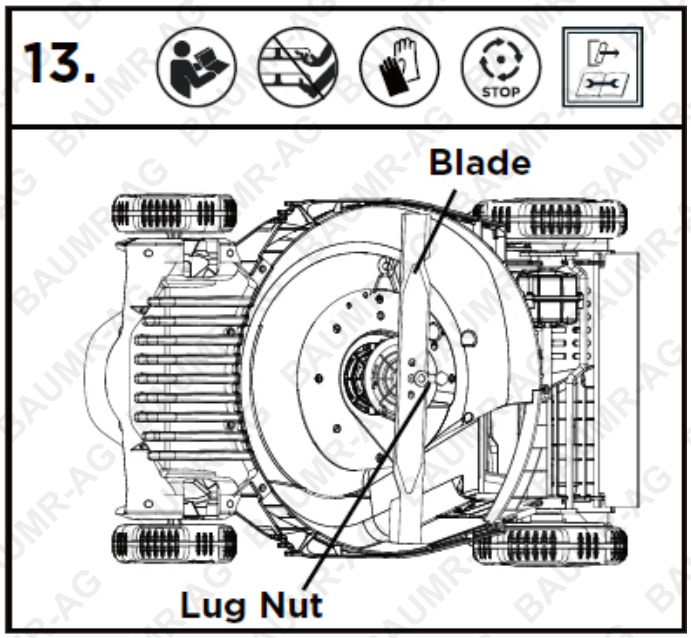
⚠ **WARNING: Always remove the battery packs before servicing, cleaning or transporting the lawn mower.**

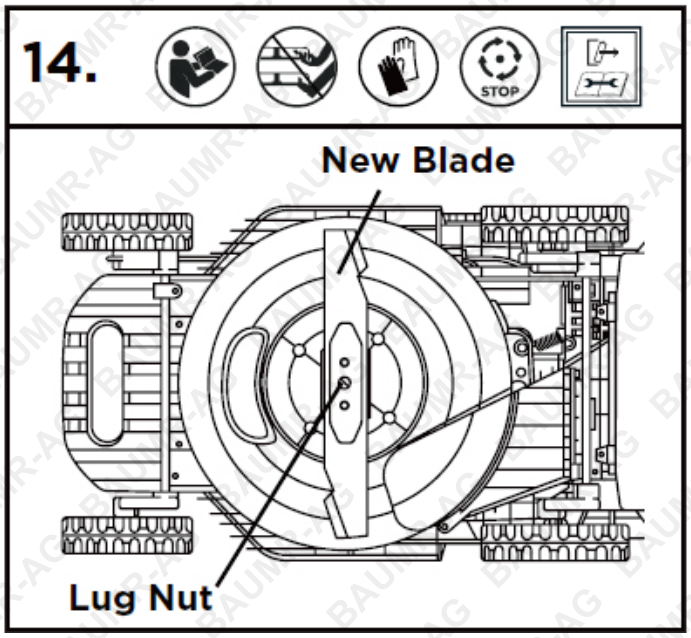
- Clean the underside of the mower deck after each use. Grass clippings, leaves, dirt and other debris may accumulate.
- Wipe the lawn mower with a damp cloth.

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Blade Replacement







⚠ **WARNING: Always wear heavy-duty gloves when handling the blade. Cover the cutting edges with a cloth or other protective material when performing blade maintenance. Always remove the battery packs before servicing or transporting the lawn mower.**

1. Remove the battery packs from the lawn mower.
2. Carefully place the lawn mower on its side to access the underside of the mower deck.
3. Hold the blade securely with a cloth or wear heavy-duty gloves.
4. Using a 16 mm socket wrench (not supplied), turn the blade nut anticlockwise and remove the nut and blade. (Figs. 12 and 13)

   Blade nut tightening torque: 20–25 N·m
5. Fit the new blade in the same orientation and secure it using the original nut. Tighten the nut to 20–25 N·m. (Fig. 14)

Sharpening the Blade

⚠ WARNING: Always wear heavy-duty gloves when handling the blade. Cover the cutting edges with a cloth or other protective material during blade maintenance. Always remove the battery packs before servicing or transporting the lawn mower.

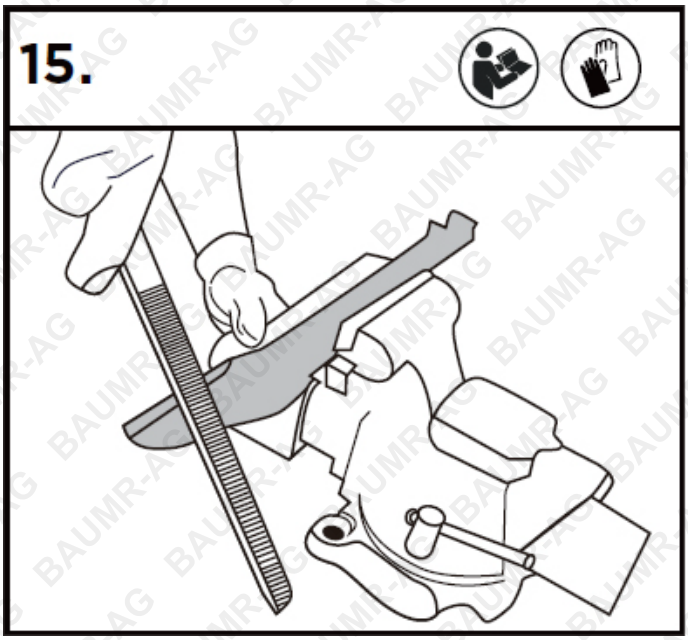
⚠ WARNING: Wear appropriate eye protection when removing, sharpening or installing the blade.

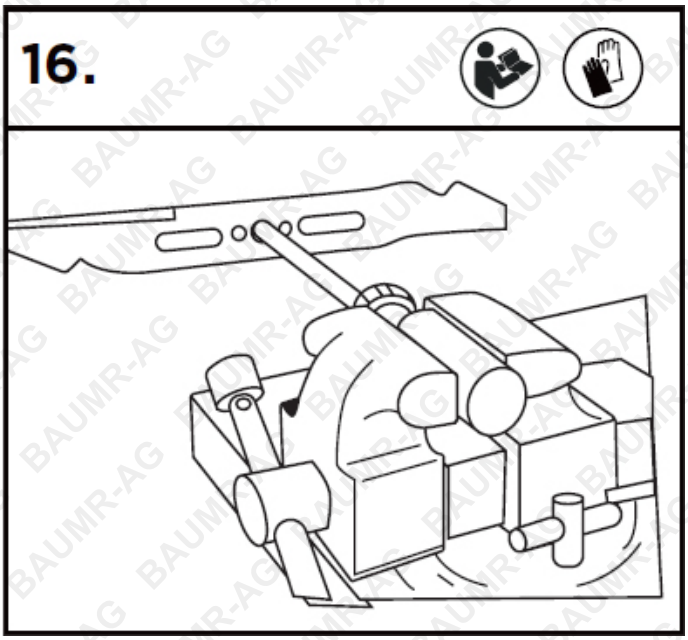
⚠ WARNING: A worn, cracked or damaged blade can break, causing pieces to become dangerous projectiles. Thrown objects may cause serious injury. Inspect the blade regularly and do not operate the lawn mower with a worn or damaged blade.

NOTICE: Keep the blade sharp for best mowing performance. A dull blade will not cut grass cleanly or mulch effectively.

A dull blade may be sharpened. Replace the blade if it is excessively worn, bent, cracked or otherwise damaged.

Sharpening Frequency





Under normal conditions, sharpening the blade twice during the mowing season is usually sufficient. Sandy soil can dull the blade more quickly and may require more frequent sharpening.

When sharpening the blade:

- Ensure the blade remains balanced.
- Maintain the original cutting angle.
- Sharpen both cutting edges evenly, removing an equal amount of material from each end.

Sharpening The Blade in a Vice

1. Remove the blade from the lawn mower. Refer to BLADE REPLACEMENT.
2. Secure the blade in a vice. (Fig. 15)
3. Wear suitable eye protection and heavy-duty gloves.
4. Carefully sharpen the cutting edges using a fine-tooth file or sharpening stone, maintaining the original cutting angle.

5. Check the blade balance by supporting the blade through its centre hole on a nail or round-shank screwdriver held horizontally. If either end rotates downwards, remove a small amount of material from the heavier end. The blade is balanced when neither end drops. (Fig. 16)
6. Reinstall the blade and tighten it securely. Refer to BLADE REPLACEMENT.

⚠ WARNING: An unbalanced blade can cause excessive vibration at high speed. This may damage the lawn mower or cause the blade to break, resulting in serious personal injury.

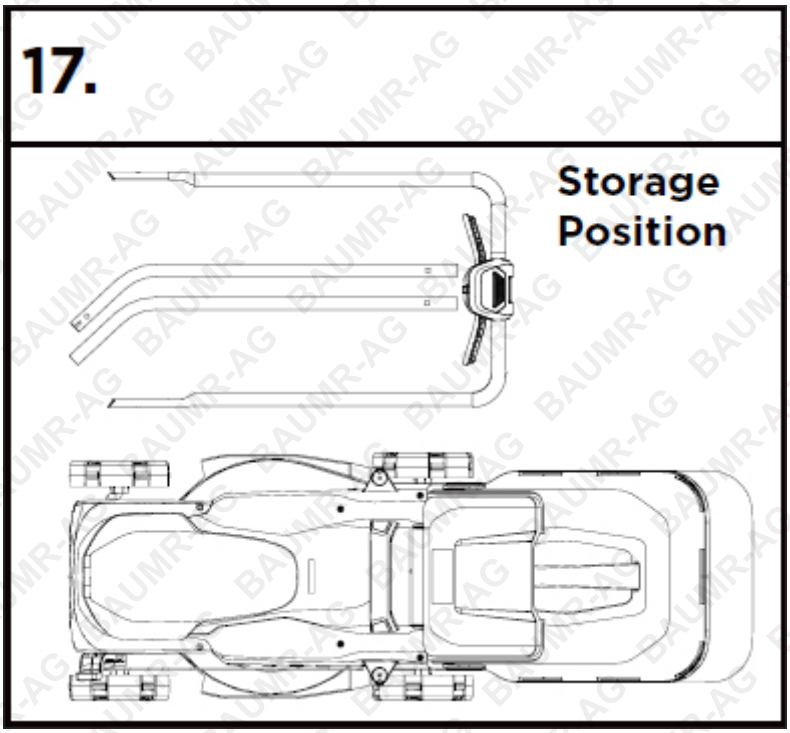
Lubrication

⚠ WARNING: Remove the battery packs before performing any lubrication or maintenance.

Have lubrication performed by a qualified service technician or authorised service centre.

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Storage



Follow these steps to prepare the lawn mower for storage:

1. Remove the battery packs from the battery compartments.
2. Remove the grass bag. Move the height adjustment lever to the lowest cutting-height position.
3. Clean the lawn mower with a damp cloth or hand brush.
4. Store the lawn mower indoors in a dry, clean and cool location, out of reach of children. Keep it away from corrosive materials such as fertiliser and salt.
5. Do not cover the lawn mower with a solid plastic sheet. Plastic coverings can trap moisture, which may damage the lawn mower.
6. For compact storage, refer to HANDLE ASSEMBLY to remove the upper and lower handles. Store the handles securely with the lawn mower.

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Troubleshooting

⚠ WARNING: Switch off the lawn mower and remove the battery packs before troubleshooting.

The following table lists common problems, possible causes and corrective actions. If the problem persists, contact the manufacturer.

Problem	Possible cause	Solution
The lawn mower does not start.	The battery packs are depleted.	Charge the battery packs.
	The battery packs are not correctly installed.	Ensure both battery packs are fully inserted and securely locked in place.
	The battery packs or lawn mower circuitry are too hot.	Allow the battery packs or lawn mower to cool until the temperature is below 67 °C.
	The mower deck is clogged with grass or debris.	Clean the mower deck and ensure the blade can move freely.
	Other causes.	Contact the manufacturer.
The lawn mower cuts unevenly.	The blade is dull.	Sharpen or replace the blade.
	The cutting height is not set correctly.	Adjust the cutting height to a higher setting.
	The blade is installed incorrectly.	Reinstall the blade. Refer to BLADE REPLACEMENT.
The lawn mower stops while mowing.	The lawn mower is overloaded.	Raise the cutting height or reduce your walking speed.
	The mower deck is clogged with grass or debris.	Clean the mower deck and remove any obstructions from the mowing area.
	The battery packs or lawn mower circuitry are too hot.	Allow the battery packs or lawn mower to cool until the temperature is below 67 °C.
The lawn mower vibrates excessively.	The blade is loose.	Tighten the blade nut securely.
	The blade is unbalanced.	Balance the blade as described in SHARPENING THE BLADE.
	The blade is bent or damaged.	Replace the blade.
The motor runs but the blade does not cut the grass.	The blade nut is not tightened to the specified torque.	Retighten the blade nut to 20–25 N·m.
Battery operating time is shorter than expected.	Grass conditions and cutting height increase the load on the lawn mower.	Raise the cutting height and reduce your walking speed to reduce the cutting load.

Specifications

Power Type	Battery
Power (Watts)	650 W
Motor Type	Brushless
Battery Type	Lithium-ion SYNC
Battery Capacity	4.0 Ah
Battery Voltage	40 V
Charge Time	2 Hours
Cutting Width	330 mm
Deck Material	Polypropylene
Height Adjustment System	Central
Cutting Height	25 - 65 mm, 5 Positions
Grass Catcher Volume	35L

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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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