

460CXs 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.

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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.

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.**

INTENDED USE

- This cordless lawn mower is intended for private domestic use in home gardens. It is designed to cut natural grass in small to medium-sized gardens.
- Any use not expressly permitted in this manual may damage the lawn mower and cause serious injury.
- **DO NOT CUT ANY OTHER FOLIAGE OR MATERIAL.**
- The lawn mower is intended for private use only, with annual operation generally not exceeding 50 hours. It is not designed for use in public or sporting facilities, or for agricultural or forestry applications.
- Do not use the lawn mower to:
  - Trim bushes, hedges or shrubs.
  - Cut or shred climbing plants.
  - Mow rooftop gardens or balcony planters.
  - Clear footpaths.
  - Shred tree or hedge cuttings.
  - Cultivate soil.
  - Level uneven ground, such as molehills.
- Read this manual before using the lawn mower. It explains how to safely assemble, operate and maintain the machine. Ensure that everyone who uses the machine follows all recommended safety instructions. Failure to do so may result in personal injury or property damage.
- **WARNING: THIS MACHINE CAN BE DANGEROUS IF USED INCORRECTLY.**
- The machine can cause serious injury to the operator and others. Always follow the warnings and safety instructions in this manual and on the machine. Never use the machine unless all components are correctly fitted and operating properly.

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TRAINING

- Read the instructions carefully and become familiar with the controls and correct use of the machine.
- Never allow children or anyone unfamiliar with these instructions to use the machine. Local regulations may restrict the operator's age.
- The operator is responsible for accidents, injuries or property damage caused to other people.
- Use the machine only for its intended purpose. Any other use is considered misuse. The user or operator, not the manufacturer, is responsible for any damage or injury resulting from misuse.
- This machine is not designed for commercial, hire, trade or industrial use. When used for these or equivalent purposes, the manufacturer's warranty is limited to 90 days from the original date of purchase.

NOISE

The machine has been tested in accordance with the relevant noise-emission provisions of:

- Directive 2000/14/EC, as amended by Directive 2005/88/EC
- Commission Delegated Regulation (EU) 2024/1208

Guaranteed sound power level (LWA): 96.0 dB(A)

Measured sound power level (LWA): 92.4 dB(A)

Uncertainty (K): 1.1 dB(A)

Measured sound pressure level (LpA): 79.7 dB(A)

Uncertainty (K): 3 dB(A)

NOTE: The declared noise-emission values were measured using a standard test method. They may be used to compare machines and to make a preliminary assessment of exposure.

WARNING: WEAR HEARING PROTECTION.

Noise emissions during actual use may differ from the declared values, depending on the operating conditions and the material being cut.

Determine appropriate safety measures based on the operator's estimated exposure under actual operating conditions. Consider the entire operating cycle, including when the machine is switched off, idling and operating under load.

VIBRATION

The total vibration value (triaxial vector sum) was determined in accordance with EN 62841-1 and EN IEC 62841-4-3:

Vibration emission (ah): < 2.5 m/s²

Uncertainty (K): 1.5 m/s²

NOTE: The declared total vibration value was measured using a standard test method. It may be used to compare machines and to make a preliminary assessment of exposure.

WARNING: VIBRATION EMISSIONS DURING ACTUAL USE MAY DIFFER FROM THE DECLARED VALUE, DEPENDING ON THE OPERATING CONDITIONS AND THE MATERIAL BEING CUT.

Determine appropriate safety measures based on the operator's estimated exposure under actual operating conditions. Consider the entire operating cycle, including when the machine is switched off, idling and operating under load.

GENERAL SAFETY RULES

- Read this manual before operating the machine.
- Follow all safety instructions to reduce the risk of personal injury or property damage. Also follow the safety instructions in each section and all applicable laws and regulations.
- **WARNING: WHEN USING POWER TOOLS, ALWAYS FOLLOW BASIC SAFETY PRECAUTIONS TO REDUCE THE RISK OF SERIOUS INJURY OR DAMAGE TO THE MACHINE.**
- **SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.**
- The term 'power tool' in these warnings refers to mains-operated (corded) or battery-operated (cordless) power tools.

WORK AREA SAFETY

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

ELECTRICAL SAFETY

- Power tool plugs must match the power point. Never modify a plug or use an adaptor plug with an earthed power tool. Unmodified plugs and matching power points reduce the risk of electric shock.
- Avoid contact with earthed surfaces, such as pipes, radiators, stoves and refrigerators. The risk of electric shock increases if your body is earthed.
- Do not operate the lawn mower in rain or wet conditions. Water entering the machine increases the risk of electric shock.
- Do not misuse the power lead. Never use it to carry, pull or unplug the power tool. Keep the lead away from heat, oil, sharp edges and moving parts. Damaged or tangled leads increase the risk of electric shock.
- When operating a power tool outdoors, use an extension lead rated for outdoor use.
- If operation in a damp location is unavoidable, use a residual current device (RCD)-protected power supply.
- Power tools may produce electromagnetic fields. Users with pacemakers or similar medical devices should consult their doctor and the medical device manufacturer before operating this machine.

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PERSONAL SAFETY

- Stay alert and use common sense when operating a power tool. Do not use the tool while tired or under the influence of alcohol, drugs or medication. A moment of inattention may result in serious injury.
- Wear appropriate personal protective equipment. Always wear eye protection that complies with AS/NZS 1337.1. Where required, wear a dust mask, non-slip safety footwear, protective helmet and hearing protection.
- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting the power supply or battery, or before lifting or carrying the tool. Carrying a power tool with your finger on the switch, or connecting power while the switch is on, may cause an accident.
- Remove all adjustment keys and spanners before switching on the tool. A key or spanner attached to a rotating part may cause injury.
- Do not overreach. Maintain firm footing and balance at all times to retain control in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.
- If dust-extraction or collection equipment is provided, connect and use it correctly.
- Do not allow familiarity gained through frequent use to make you complacent. A careless action can cause serious injury instantly.

POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct tool for the task. It will perform more safely and effectively at its designed operating rate.
- Do not use the tool if the switch does not turn it on and off. A tool that cannot be controlled by its switch is dangerous and must be repaired.
- Disconnect the plug and remove the battery, if detachable, before making adjustments, changing accessories or storing the tool. This reduces the risk of accidental starting.
- Store unused power tools out of the reach of children. Do not allow anyone unfamiliar with the tool or these instructions to operate it.
- Maintain the power tool and its accessories. Check for misaligned, binding or broken moving parts and any other condition that may affect operation. Have damaged tools repaired before use.
- Keep cutting tools sharp and clean. Properly maintained cutting edges are less likely to bind and are easier to control.
- Use the power tool, accessories and cutting tools as instructed, considering the working conditions and task. Using the tool for any unintended purpose may create a hazard.
- Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery surfaces may prevent safe handling and control.
- Do not wear fabric work gloves that may become caught in moving parts.

BATTERY TOOL USE AND CARE

- Recharge the battery only with the charger specified by the manufacturer. Using a charger with an incompatible battery may cause a fire.
- Use the power tool only with its designated batteries. Other batteries may cause injury or fire.
- When the battery is not in use, keep it away from metal objects such as paper clips, coins, keys, nails and screws. These objects may connect the terminals and cause burns or fire.
- If the battery is damaged or misused, liquid may leak from it. Avoid contact. If contact occurs, rinse the affected area with water. If the liquid contacts your eyes, seek medical attention. Battery liquid may cause irritation or burns.
- Do not use a damaged or modified battery or tool. It may behave unpredictably and cause fire, explosion or injury.
- Do not expose a battery or tool to fire or temperatures above 130 °C. Doing so may cause an explosion.
- Follow all charging instructions. Do not charge the battery or tool outside the temperature range specified in these instructions. Incorrect charging may damage the battery and increase the risk of fire.

SERVICE

- Have the power tool serviced by a qualified repair technician using only identical replacement parts. This will maintain the safety of the tool.
- Never attempt to service a damaged battery.
- Follow the instructions for lubricating the tool and changing accessories.

CORDLESS LAWN MOWER SAFETY WARNINGS

- Do not use the lawn mower during severe weather, particularly when there is a risk of lightning.
- Thoroughly inspect the mowing area for wildlife before use. The lawn mower may injure wildlife during operation.
- Inspect the mowing area and remove all stones, sticks, wire, bones and other foreign objects. Objects thrown by the blade may cause injury.
- Before each use, inspect the blade and blade assembly for wear or damage. Worn or damaged parts increase the risk of injury.
- Check the grass catcher regularly for wear or damage. A worn or damaged catcher may cause injury.
- Keep all guards correctly fitted and in good working order. Loose, damaged or incorrectly fitted guards may cause injury.
- Keep all cooling air inlets clear of debris. Blocked air inlets may cause overheating or fire.
- Always wear non-slip protective footwear when operating the lawn mower. Never operate it while barefoot or wearing open-toed footwear.
- Always wear long trousers. Exposed skin is more likely to be injured by thrown objects.
- Do not mow wet grass. Walk; never run. This reduces the risk of slipping, falling and injury.
- Do not operate the lawn mower on excessively steep slopes. Doing so increases the risk of losing control, slipping or falling.
- When mowing on a slope, maintain firm footing and mow across the slope, never up or down. Take particular care when changing direction.
- Take particular care when reversing or pulling the lawn mower towards you. Remain aware of your surroundings to avoid tripping.
- Do not touch the blade or other hazardous moving parts until they have stopped completely.
- Before clearing a blockage or cleaning the lawn mower, switch off the machine and remove the battery. Unexpected starting may cause serious injury.

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IMPORTANT SAFETY INSTRUCTIONS

- **WARNING: DO NOT ALLOW FAMILIARITY GAINED THROUGH REPEATED USE TO MAKE YOU DISREGARD THE SAFETY RULES. MISUSE OR FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY CAUSE SERIOUS INJURY.**

TRAINING

- Read the instructions carefully. Become familiar with the controls and correct use of the lawn mower.
- Never allow children or anyone unfamiliar with these instructions to operate the lawn mower. Local regulations may restrict the operator's age.
- Never operate the lawn mower while people, particularly children, or pets are nearby.
- The operator is responsible for accidents or hazards affecting other people or their property.
- Supervise children to ensure they do not play with the lawn mower.
- Do not operate the lawn mower while under the influence of alcohol, drugs or medication.

PREPARATION

- Wear sturdy, enclosed, non-slip footwear and long trousers. Do not operate the lawn mower while barefoot or wearing open-toed footwear. Do not wear loose clothing, jewellery, cords or ties that could become caught in moving parts.
- Always wear eye protection that complies with AS/NZS 1337.1. Use other appropriate personal protective equipment, such as hearing protection, a dust mask or protective helmet, when required.
- Before use, inspect the lawn mower for damaged, missing or incorrectly fitted guards and shields.
- Ensure the mowing area is clear of people and pets. Stop the lawn mower immediately if anyone enters the area.
- Do not start the lawn mower until you are ready to begin mowing.
- Inspect the blades and blade bolts for cracks, wear or damage. Replace damaged blades or bolts before use.
- Clear the mowing area of stones, wire, bottles, bones, sticks and other objects that could be thrown by the blade or damage the lawn mower.
- Check for holes, ruts, bumps and other hidden hazards. Uneven ground may cause you to slip or fall, and tall grass may conceal obstacles.

OPERATION

- Maintain firm footing and balance. Do not overreach. Walk; never run.
- Mow across slopes, never up or down. Take particular care when changing direction and do not mow slopes steeper than 15°.
- Release the operator presence control (OPC)/brake lever, switch off the lawn mower, remove the battery and wait for all moving parts to stop:
  - Whenever you leave the lawn mower unattended.
  - Before clearing a blockage or unclogging the discharge chute.
  - Before checking, cleaning, adjusting or servicing the lawn mower.
  - Before adjusting the cutting height.
  - Before lifting, tilting or transporting the lawn mower.
  - Before emptying the grass catcher.
  - After striking a foreign object.
  - If the lawn mower begins to vibrate abnormally.
  - Before reaching down to remove an object or whenever you become distracted.
- If the lawn mower strikes a foreign object:
  - Release the OPC/brake lever and wait for the blade to stop completely.
  - Remove the battery.
  - Inspect the lawn mower thoroughly for damage.
  - Replace a damaged blade and repair all other damage before restarting.
- Stop the lawn mower immediately if you notice unusual operation or vibration. Remove the battery, inspect for damage, repair or replace damaged parts, and tighten any loose components before restarting.
- Never operate the lawn mower with damaged guards or without safety devices, such as the discharge deflector or grass catcher, correctly fitted.
- Do not use the lawn mower during severe weather, particularly when there is a risk of lightning.
- Operate the lawn mower only in daylight or adequate artificial light.
- Start the lawn mower carefully and according to these instructions. Keep your hands and feet well away from the blades.
- Do not tilt the lawn mower when starting it unless necessary. If it must be tilted, raise it only as far as required and lift only the side furthest from you. Place both hands in the operating position before returning the mower to the ground.
- Keep your hands and feet away from rotating parts and the discharge opening. The blades continue to rotate briefly after the lawn mower is switched off.
- Keep the ventilation openings clear of debris.
- Avoid pulling the lawn mower backwards unless necessary. Before and while reversing, look down and behind you and take particular care when pulling the mower towards you.
- Never transport the lawn mower while it is switched on.
- Do not mow wet grass or operate on muddy, wet or slippery slopes. Maintain firm footing at all times.
- Keep a firm grip on the handle while operating the lawn mower.
- Never grasp exposed blades or cutting edges when lifting or holding the lawn mower.
- Do not start the lawn mower while standing in front of the discharge opening.

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- Never direct discharged material towards people, animals, walls or other obstructions. Material may ricochet towards the operator. Stop the blade before crossing driveways, paths, roads or gravel surfaces.
- Do not operate the lawn mower through standing water or immerse it in water.
- Watch for exposed pipes, cables and wiring while mowing.

MAINTENANCE AND STORAGE

- Replace worn or damaged parts with replacement parts and accessories approved by the manufacturer.
- Inspect and maintain the lawn mower regularly.
- Store the lawn mower out of the reach of children.
- Keep all nuts, bolts and screws tight to ensure the lawn mower remains safe to use.
- Check the grass catcher regularly for wear or damage. Empty it before storage and replace it when worn or damaged.
- Use only replacement blades specified by the manufacturer for this lawn mower.
- When adjusting the lawn mower, take care not to trap your fingers between the moving blades and fixed parts.
- Check the blade mounting bolt regularly and tighten it securely.
- Allow the lawn mower to cool before storing it.
- When servicing the blades, remember that they can still be moved manually even when the lawn mower is switched off and the battery has been removed.
- Never remove, modify or interfere with a safety device. Check all safety devices regularly to ensure they operate correctly.
- Do not leave the lawn mower outdoors or exposed to rain.
- Store the lawn mower in a dry, well-ventilated place away from direct sunlight, rain, heat and humidity. The recommended storage temperature is 0–40 °C.

BATTERY TOOL USE AND CARE

- Recharge the battery only with the charger specified by the manufacturer. Using an incompatible charger may cause a fire.
- Use the power tool only with its designated batteries. Other batteries may cause injury or fire.
- When the battery is not in use, keep it away from metal objects such as paper clips, coins, keys, nails and screws. These objects may short-circuit the terminals and cause burns or fire.
- If the battery is damaged or misused, liquid may leak from it. Avoid contact. If contact occurs, rinse the affected area with water. If the liquid contacts your eyes, rinse them immediately with clean water and seek medical attention.
- Do not use a damaged or modified battery, charger or tool. It may behave unpredictably and cause fire, explosion or injury.
- Do not expose the battery, charger or tool to fire or temperatures above 130 °C. Doing so may cause an explosion.
- Follow all charging, operating and storage instructions. Charge the battery only within the specified temperature range. Charging incorrectly may damage the battery and increase the risk of fire.
- Recommended charging temperature: 10–40 °C.

ELECTRICAL AND BATTERY SAFETY

- Do not dispose of batteries in a fire. They may explode. Follow local regulations for battery disposal.
- Do not open, damage or modify a battery. Battery electrolyte is corrosive, may injure the eyes or skin, and is toxic if swallowed.
- Charge the battery indoors in a dry location. Do not charge it outdoors, in rain or in wet conditions.
- Do not handle the charger, plug, terminals or battery with wet hands.
- Do not install or remove the battery in rain or wet conditions.
- Keep the battery and its terminals dry. Do not immerse the battery in water or expose it to rain or moisture. Water entering the battery may cause a short circuit, overheating, fire or explosion.
- After removing the battery from the machine or charger, fit the battery cover and store the battery in a dry place.
- Do not use the machine in damp or wet conditions or expose it to rain. Water entering the machine increases the risk of electric shock.

SERVICE

- Have the power tool serviced by the manufacturer or a qualified repair technician using only identical replacement parts.
- Never attempt to service a damaged battery.
- **WARNING: DO NOT ALLOW FAMILIARITY GAINED THROUGH REPEATED USE TO MAKE YOU DISREGARD THE SAFETY RULES.**
- **MISUSE OR FAILURE TO FOLLOW THESE SAFETY INSTRUCTIONS MAY CAUSE SERIOUS INJURY.**

IMPORTANT BATTERY SAFETY INSTRUCTIONS

- Before using the battery, read all instructions and warning labels on the charger, battery and product.
- Do not disassemble, modify or tamper with the battery. Doing so may cause excessive heat, fire or explosion.
- Stop using the machine immediately if its operating time becomes significantly shorter. This may indicate a fault that could cause overheating, burns or explosion.
- If electrolyte enters your eyes, rinse them immediately with clean water and seek urgent medical attention. Electrolyte may cause loss of vision.
- Do not short-circuit the battery:
  - Do not touch the terminals with conductive material.
  - Do not store the battery with metal objects such as nails or coins.

- Do not expose the battery to water or rain.
- A short circuit may cause excessive current, overheating, burns, fire or battery failure.
- Do not use or store the tool or battery where the temperature may reach or exceed 40 °C.
- Do not incinerate the battery, even if it is severely damaged or fully depleted. It may explode in a fire.
- Do not nail, cut, crush, throw or drop the battery, or strike it against a hard object. Doing so may cause excessive heat, fire or explosion.
- Do not use a damaged battery.
- Lithium-ion batteries are subject to applicable dangerous goods regulations. Commercial transport by third parties requires appropriate packaging and labelling. Consult a qualified dangerous goods specialist before shipping the battery. Cover exposed terminals and pack the battery securely so it cannot move inside the packaging.
- Remove the battery from the tool before disposal. Dispose of it safely in accordance with local lithium-ion battery recycling and disposal regulations.
- Use batteries only with products specified by the manufacturer. Installing a battery in an incompatible product may cause excessive heat, fire, explosion or electrolyte leakage.
- Remove the battery if the tool will not be used for an extended period.
- The battery may become hot during and after use. Handle it carefully to prevent burns.
- Do not touch the tool terminals immediately after use. They may be hot enough to cause burns.
- Keep grass clippings, dust and soil away from the battery terminals, openings and grooves. Contamination may cause overheating, fire, battery failure, burns or injury.
- Do not use the tool or battery near high-voltage power lines. This may cause a malfunction or failure.
- Keep batteries out of the reach of children.
- **CAUTION: USE ONLY BATTERIES APPROVED BY THE MANUFACTURER.**
- Using unapproved or modified batteries may cause fire, explosion, personal injury or property damage. It may also void the tool and charger warranty.

MAXIMISING BATTERY LIFE

- Charge the battery before it becomes fully discharged. Stop using the tool and recharge the battery when its power decreases.
- Do not recharge a fully charged battery. Overcharging may shorten its service life.
- Charge the battery only within the confirmed recommended temperature range. Allow a hot battery to cool before charging.
- Remove the battery from the tool or charger when it is not in use.
- Charge the battery before storing it for more than three months.

IMPORTANT BATTERY AND CHARGER SAFETY INSTRUCTIONS

- Read all instructions before charging the battery.
- After charging, disconnect the charger from the mains power supply before removing the battery.
- Do not charge a leaking or damaged battery.
- Use the charger only for its intended purpose.
- Before charging, ensure the charger is compatible with the local mains voltage.
- Use the charger indoors only. Do not expose it to rain or moisture.
- Do not use the charger outdoors.
- Do not short-circuit the battery or charger terminals.
- Observe the correct polarity (+/−).
- Do not open the charger or battery. Keep both out of the reach of children.
- Do not charge batteries from other manufacturers or incompatible battery models.
- Ensure the battery is correctly fitted to the charger and that the connection is free from debris.
- Keep the charger ventilation slots clean and free from debris. Store the charger in a dry, frost-free place.
- Charge batteries in a well-ventilated area away from flammable materials. Batteries may become hot while charging. Do not overcharge them or leave the battery and charger unattended while charging.
- Never attempt to charge a non-rechargeable battery. It may overheat, rupture or cause a fire.
- For maximum battery life and performance, charge the battery at an ambient temperature of 18–24 °C. Never charge it below 5 °C or above 35 °C, as this may seriously damage the battery.
- Charge only 20 V lithium-ion batteries approved by the manufacturer.

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	No.	Name
1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

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Assembly

Set-Up And Preparation for Use

The lawn mower must be fully and correctly assembled before use.

Carefully remove the lawn mower and all accessories from the packaging. Check for missing parts or damage that may have occurred during transport. Keep the packaging until you have inspected the lawn mower and confirmed that it operates correctly.

WARNING: Do not operate the lawn mower if any parts are damaged or missing. Replace all damaged or missing parts before use. Failure to follow this warning may result in serious injury.

Do not modify the lawn mower or use accessories that are not approved by the manufacturer. Unauthorised modifications or accessories may create a hazardous condition and cause serious injury.

Read and follow all assembly and operating instructions. Incorrect assembly may cause serious injury to the operator or bystanders, or damage the lawn mower.

WARNING: The lawn mower and its packaging are not toys.

Keep plastic bags, plastic film, sharp objects and small parts away from children. These items may cause cuts, choking or suffocation.

Always remove the battery before assembling, adjusting, cleaning or servicing the lawn mower. Failure to do so may result in accidental starting and serious injury.

Never start the lawn mower unless it is fully assembled. Operating a partially assembled machine may cause accidental starting or serious injury.

Assembly and Pre-Operation

- Read these instructions carefully before assembling or using the lawn mower.
- Obtain assistance when removing the lawn mower from its packaging or carrying it to the mowing area. Handle it carefully and keep clear of the sharp blades.

Removing The Lawn Mower from the Carton

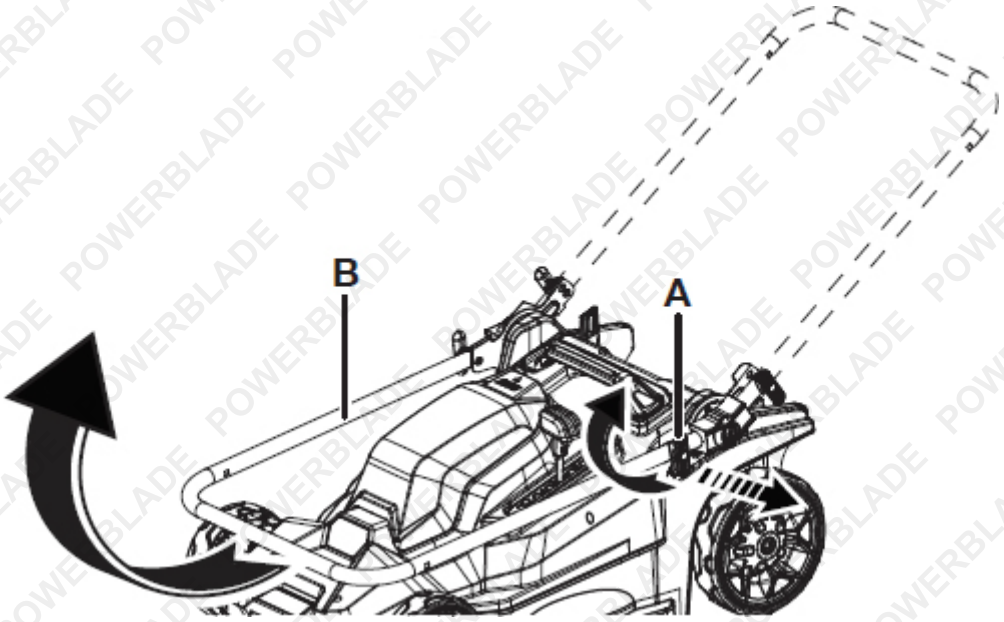
1. Roll the lawn mower out of the carton where possible. If lifting is required, use at least two people.
2. Check the carton thoroughly for loose parts and ensure all required components are present before beginning assembly.

WARNING: Always remove the battery before assembling, adjusting or working on the lawn mower. Failure to do so may cause accidental starting and serious injury.

Never start the lawn mower unless it is fully assembled. Operating a partially assembled machine may cause serious injury.

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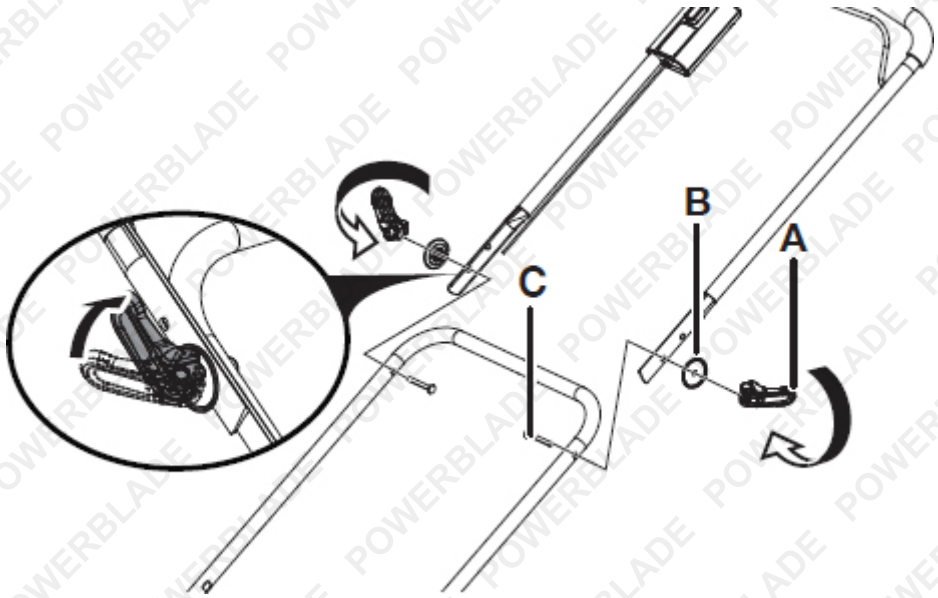
Lower Handle



NOTE: When fitting the handle, position the cable so it cannot become trapped or pinched between the handle sections. A damaged cable may prevent the lawn mower switch from operating.

1. Pull the quick-adjustment knob (A) outwards and turn it 90° clockwise.
2. Fold the lower handle (B) upwards and adjust it to the required height. Turn the quick-adjustment knob (A) back 90° to lock the handle in position.

Upper Handle



NOTE: Ask another person to assist. Hold the upper handle securely to prevent it from falling and causing injury.

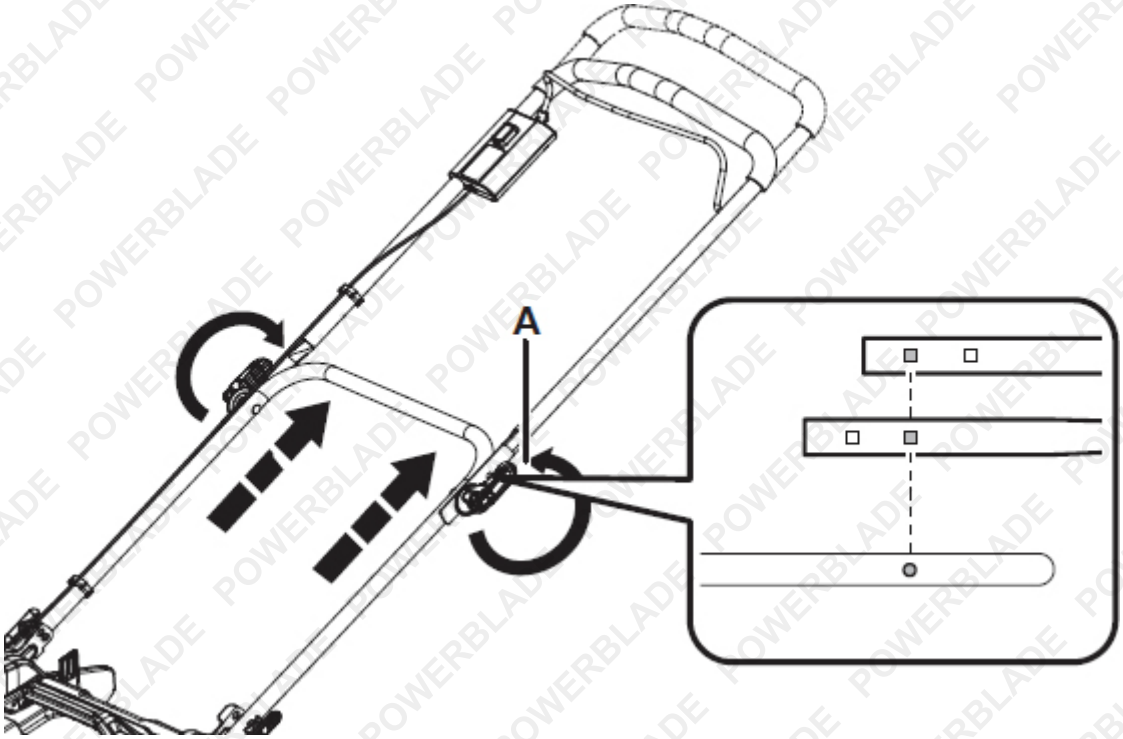
NOTE: Do not pinch or trap the cables in the handle-folding mechanism. Cable damage caused by pinching is not covered by the manufacturer's warranty.

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1. Align the holes in the upper and lower handles. Insert the bolt (C) through the quick-release holder (B) and quick-release handle (A).
2. Turn the quick-release handle clockwise until correctly tensioned.
3. Fold the quick-release handle down to secure the upper handle.

NOTE: If the quick-release handle cannot be folded down, it is overtightened. Turn it anticlockwise to loosen it, then fold it down securely.

Adjusting the Handle Height



The handle can be set to one of two height positions.

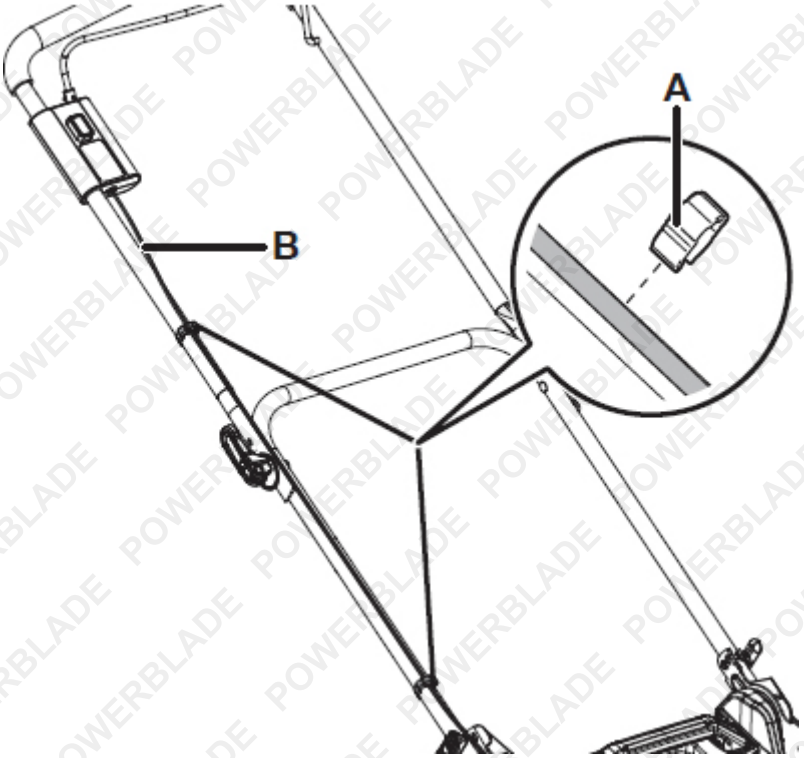
WARNING: Switch off the lawn mower, remove the battery and wait for the blade to stop completely before adjusting the handle. Never touch a rotating blade.

CAUTION: Hold the upper handle firmly before removing the bolt. The handle may fall and cause injury.

1. Remove the quick-release handle and bolt.
2. Move the upper handle to the required height. Align the holes in the upper and lower handles.
3. Insert the bolt (C) through the quick-release holder (B) and quick-release handle (A).
4. Turn the quick-release handle clockwise until correctly tensioned.
5. Fold the quick-release handle down to secure the upper handle.

NOTE: If the quick-release handle cannot be folded down, it is overtightened. Turn it anticlockwise to loosen it, then fold it down securely.

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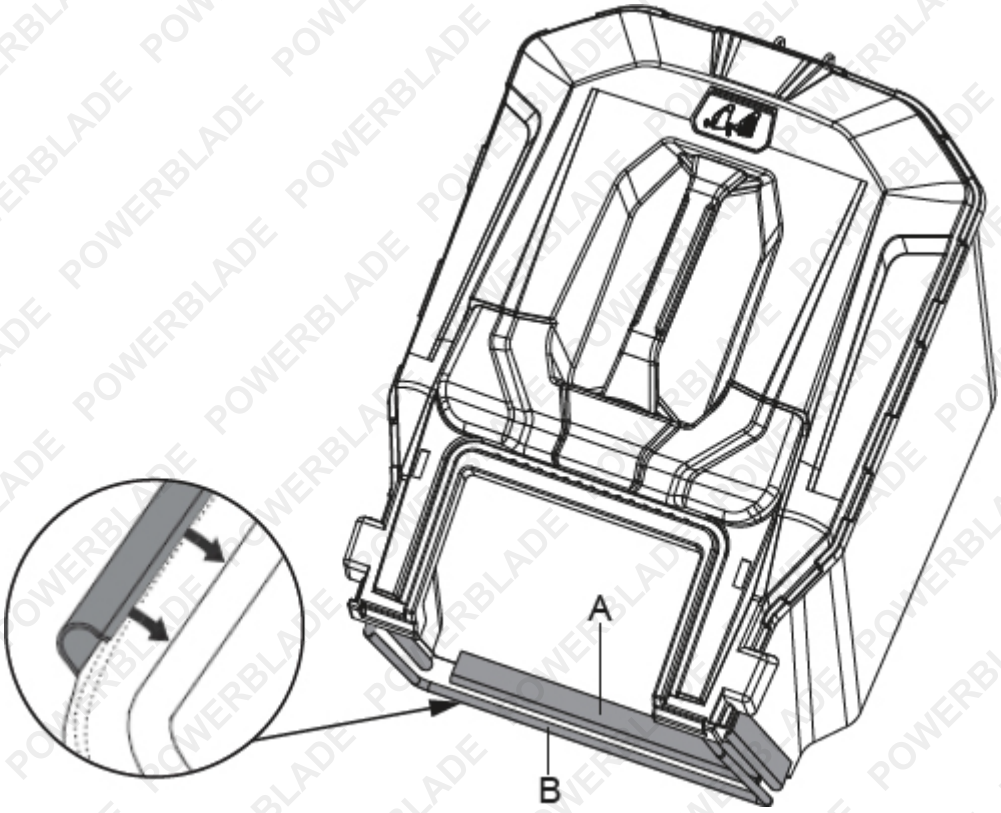
CAUTION: Hold the upper handle firmly before removing the bolt. The handle may fall and cause injury.

1. Remove the quick-release handle and bolt.
2. Move the upper handle to the required height. Align the holes in the upper and lower handles.
3. Insert the bolt (C) through the quick-release holder (B) and quick-release handle (A).
4. Turn the quick-release handle clockwise until correctly tensioned.
5. Fold the quick-release handle down to secure the upper handle.

NOTE: If the quick-release handle cannot be folded down, it is overtightened. Turn it anticlockwise to loosen it, then fold it down securely.

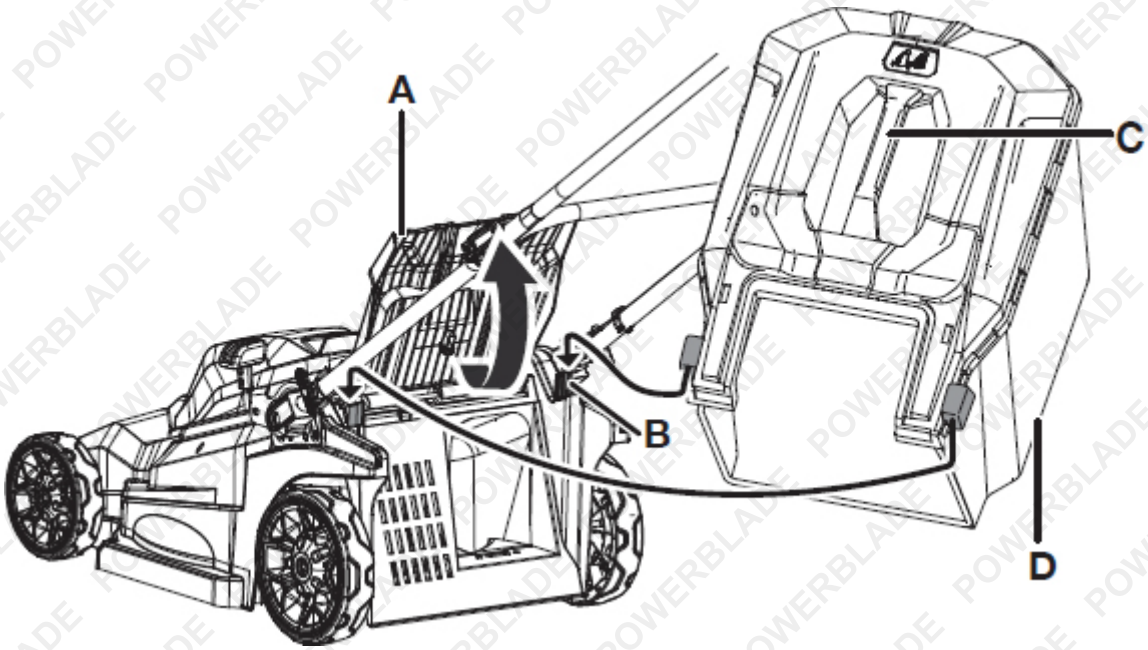
© PowerBlade

Assembling the Grass Catcher



1. Pull the catcher securing clip (A) over the catcher frame (B) to secure it.
2. Lift the base of the grass catcher to the frame and secure it in place.

Fitting the Grass Catcher



1. Lift the rear discharge flap (A) until it clears the handle assembly.
2. Hold the flap open. Using the catcher handle (C), position the grass catcher against the lawn mower.

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3. Engage the catcher hooks with the anchor points (B), then lower the catcher into position.
4. Lower the rear discharge flap onto the grass catcher.

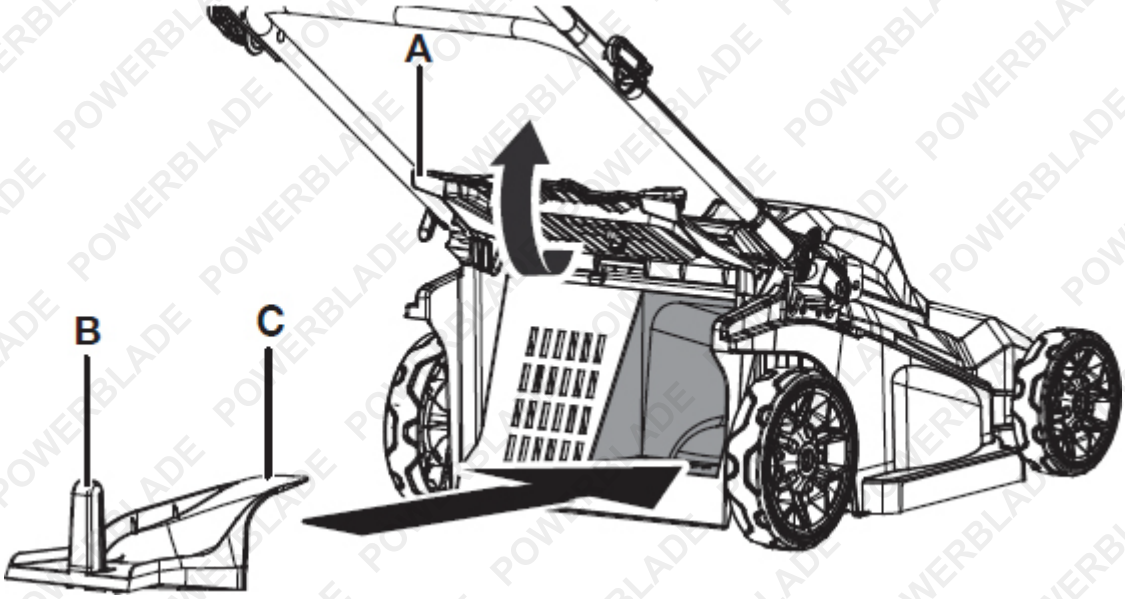
To remove the grass catcher, lift the rear discharge flap, grasp the catcher handle, then lift and pull the catcher away from the lawn mower.

The rotating blade creates airflow that directs grass clippings into the rear of the catcher.

When the catcher is full:

1. Release the OPC/brake lever and wait for the blade to stop completely.
2. Remove the battery.
3. Remove and empty the grass catcher.

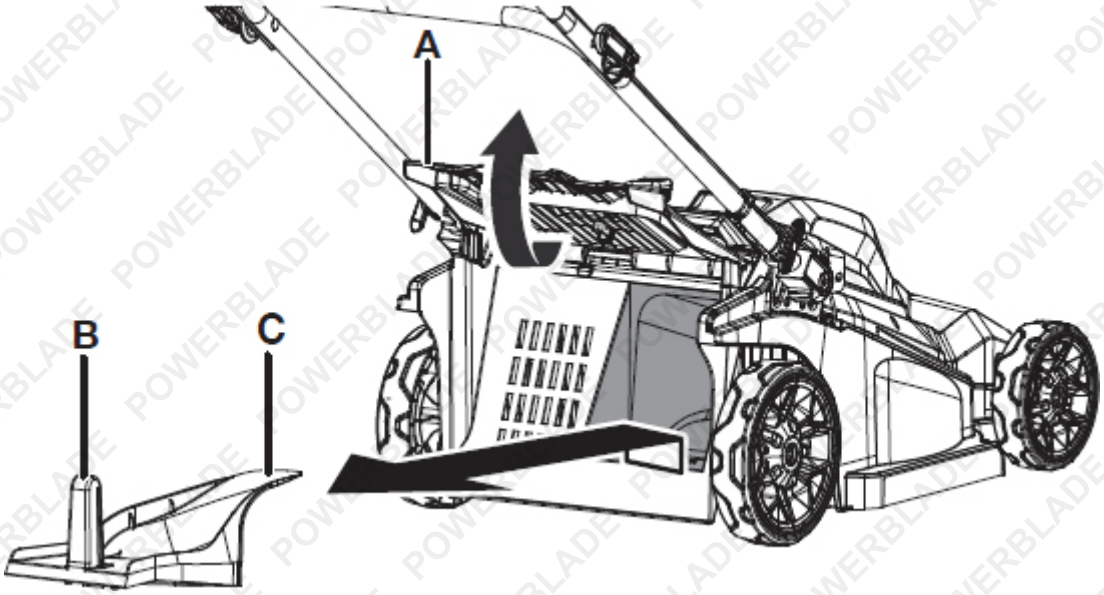
Fitting the Mulching Plug



WARNING: Switch off the lawn mower, remove the battery and wait for the blade to stop completely before fitting or removing the mulching plug.

1. Lift the rear discharge flap.
2. Hold the mulching plug (C) by its handle (B).
3. Push the plug fully into the rear discharge opening until secure.

Removing the Mulching Plug



1. Lift the rear discharge flap.
2. Hold the mulching plug (C) by its handle (B), then pull and lift it out of the lawn mower.

NOTE: Grass will not enter the rear grass catcher while the mulching plug is fitted.

Mulching helps maintain a healthy, green lawn by recirculating and repeatedly cutting the grass clippings beneath the mowing deck. The finely cut clippings are distributed over the lawn, where they decompose and return nutrients to the soil.

NOTICE: When mulching, do not remove more than 15 mm of grass in one pass. The grass must remain at least 30 mm high after mowing.

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Operation

Charging the Battery

CAUTION: Use only 20 V lithium-ion batteries approved by the manufacturer.

Batteries are supplied partially charged. Charge each battery before first use.

NOTE: A new battery may require several operating and charging cycles to reach its full capacity.

Charging Procedure

- Use this charger only with approved 20 V lithium-ion batteries.
- Ensure the mains power supply is 230 V, 50 Hz AC and matches the charger rating label.
- Connect the charger to the mains power supply. The indicator light will illuminate solid green to show that power is connected.
- Slide the battery onto the charger.
- Press the battery firmly into position, ensuring its contacts engage correctly with the charger contacts.
- A solid red light indicates that the battery is charging.
- A solid green light indicates that the battery is fully charged.
- Allow at least 50 minutes to recharge a fully depleted 2 Ah battery or 100 minutes for a fully depleted 4 Ah battery.
- The battery may become slightly warm while charging. This is normal.
- Do not place the charger in an extremely hot or cold area. Charge the battery within the specified temperature range.
- When charging is complete, disconnect the charger from the mains power supply, then remove the battery.

Indicator	Battery status	Charger status
Solid green	No battery fitted	Power on
Solid red	Battery fitted	Charging
Solid green	Battery fitted	Fully charged



CAUTION: The battery may become hot after extended use. Allow it to cool completely before charging. Cooling may take up to 30 minutes.

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Installing or Removing a Battery

CAUTION: Switch off the lawn mower before installing or removing a battery.

Hold the battery securely and keep the lawn mower stable. Dropping either may cause damage or personal injury.

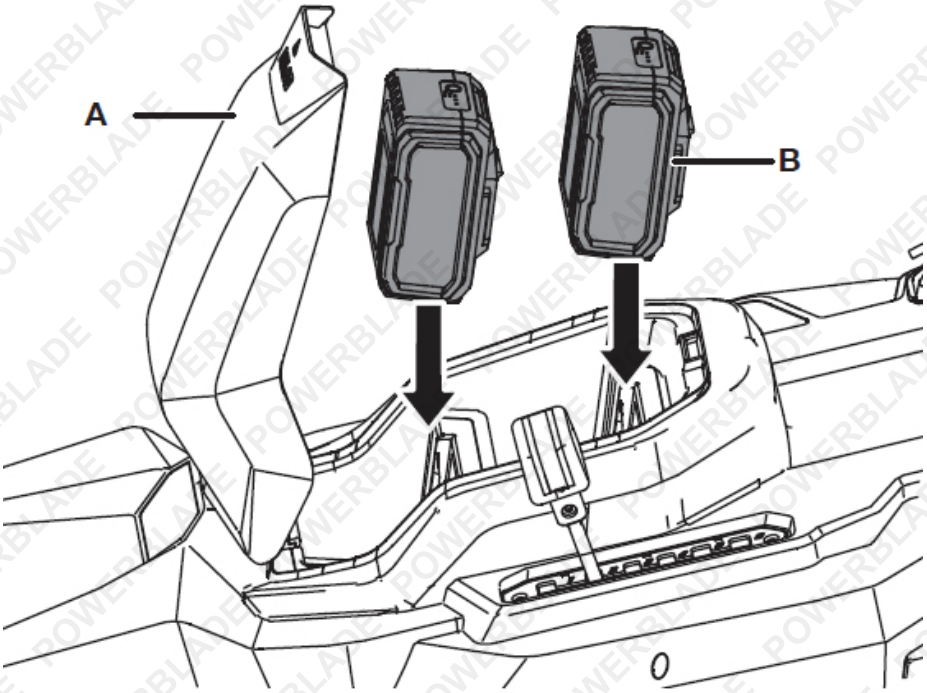
Close the battery cover securely before use. An open cover may allow mud, dirt or water to damage the lawn mower or battery.

Insert each battery fully until it locks into place and the red indicator is no longer visible. An incorrectly fitted battery may fall out and cause injury.

Do not force the battery into place. If it does not slide in easily, check that it is correctly aligned.

Hold the battery cover securely while installing or removing a battery.

Installing The Batteries





1. Lift and hold the battery cover (A).
2. Position the battery (B) with its release button facing upwards and its base facing the front of the lawn mower.
3. Align the battery with the guide slot in the battery compartment. Slide it in fully until it locks with an audible click. Repeat for the second battery.
4. Close the battery cover securely.

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Removing the Batteries

Switch off the lawn mower before removing the batteries.

1. Open the battery cover.
2. Press the battery release button.
3. Slide the battery out of the lawn mower.
4. Repeat for the second battery.
5. Close the battery cover securely.

NOTE: The lawn mower requires two charged batteries to operate. It will stop when either battery is depleted. Recharge the batteries before continuing.

Machine and Battery Protection

The lawn mower has protection systems that automatically disconnect power to the motor when a fault is detected. This protects the lawn mower and batteries from damage.

Overload Protection

The lawn mower automatically stops if an abnormally high current is detected.

Switch off the lawn mower and remove the cause of the overload. Restart it according to the normal starting procedure.

Overheat Protection

The lawn mower automatically stops if it overheats. Allow it to cool for at least 15 minutes before restarting.

If a battery overheats, its indicator light will flash green and power to the lawn mower will be disconnected. Allow the battery to cool before restarting the lawn mower.

Low-Voltage Protection

The lawn mower automatically stops when either battery is depleted. If the lawn mower does not start, remove and fully charge both batteries.

Other Protection Functions

The protection system may also stop the lawn mower if another potentially damaging condition is detected.

To reset the protection system:

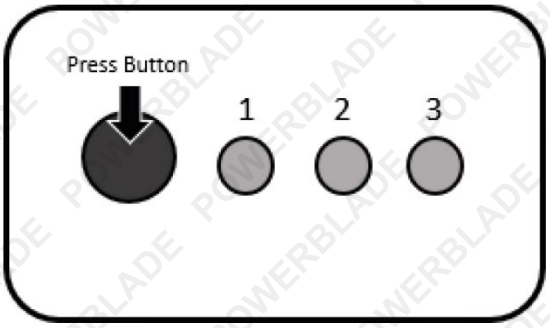
1. Switch off the lawn mower, then restart it using the normal starting procedure.
2. Fully charge the batteries or replace them with charged batteries.
3. Allow the lawn mower and batteries to cool.

If the lawn mower still does not operate, contact the manufacturer or an authorised service centre.

NOTE: Battery indicator readings may vary with the ambient temperature and battery condition.

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Battery Indicator



Press the check button on the battery. The indicator lights will show the approximate remaining capacity for several seconds.

Indicator lights	Approximate battery capacity
LEDs 1, 2 and 3 illuminated	70–100%
LEDs 1 and 2 illuminated	35–69%
LED 1 illuminated	0–34%—charge the battery

NOTE: Battery indicator readings may vary slightly depending on operating conditions and ambient temperature.

NOTE: The green indicator light flashes when the battery protection system is active.

Starting the Lawn Mower

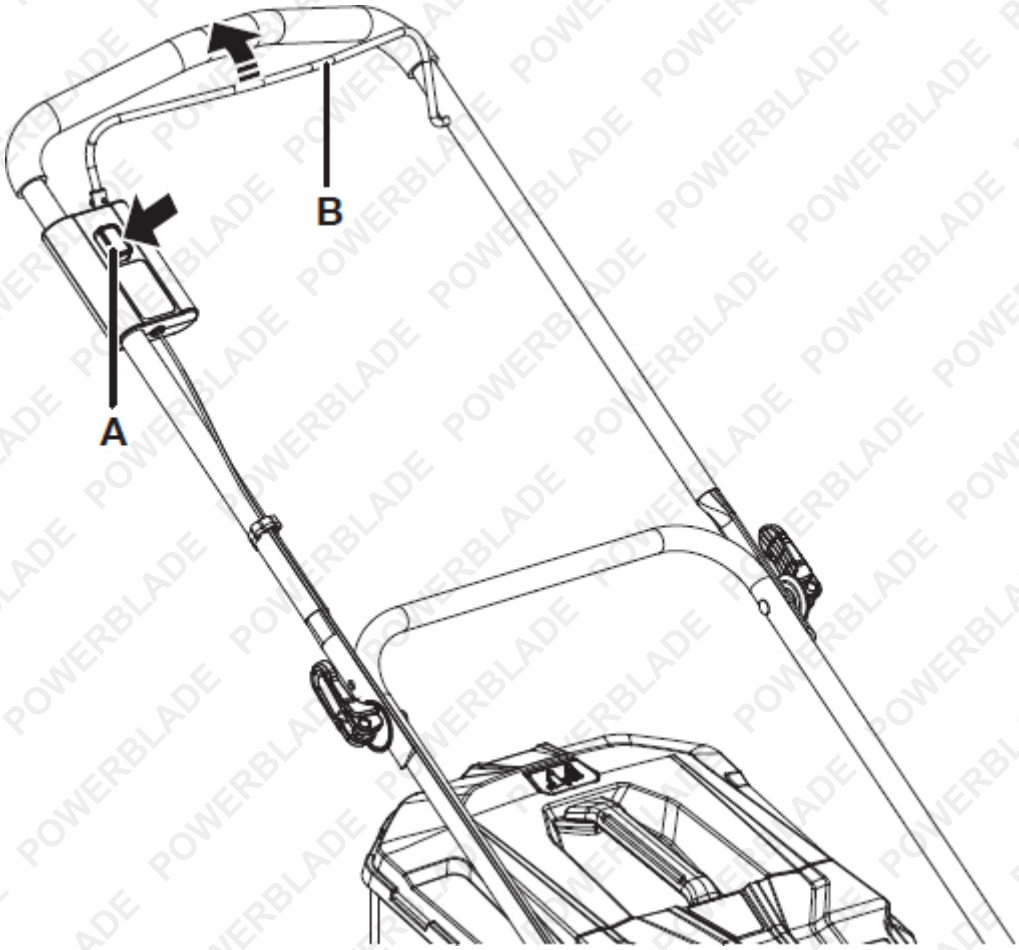
WARNING: This lawn mower is fitted with a safety button. If you notice anything unusual, stop the lawn mower immediately, remove the batteries and have it inspected by the manufacturer or an authorised service centre.

Before installing the batteries, check that the OPC/brake lever operates correctly and returns to its original position when released. Do not use the lawn mower if the lever is faulty. A faulty lever may cause loss of control and serious injury.

NOTE: The lawn mower will start only when the safety button is pressed and the OPC/brake lever is pulled towards the upper handle.

NOTE: The lawn mower may not start if overloaded by long or dense grass. Increase the cutting height before restarting.

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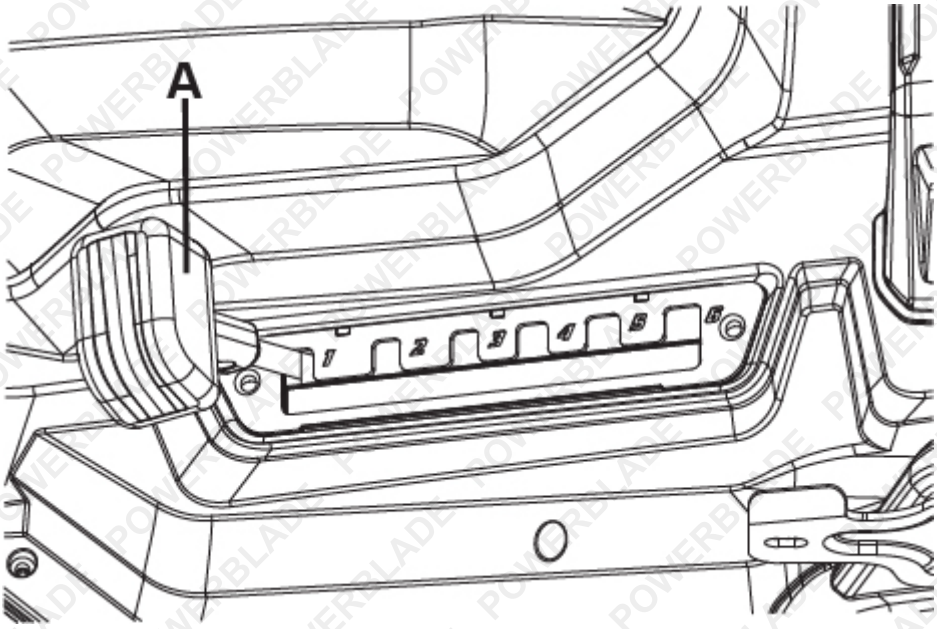
1. Install two charged batteries, then close the battery cover securely.
2. Press and hold the safety button (A).
3. Pull the OPC/brake lever (B) towards the upper handle.
4. Release the safety button when the motor starts.
5. Keep the OPC/brake lever pulled towards the upper handle to run the motor. Release the lever to stop the motor.

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Adjusting the Cutting Height

WARNING: Adjust the cutting height only when the motor is switched off, both batteries are removed and the blade has stopped completely. Never place your hands or feet under the mower deck while adjusting the cutting height. Ensure the height-adjustment lever is fully engaged in the selected slot before operating the lawn mower. Never touch a rotating blade.

The cutting height is controlled by a single lever (A) on the left side of the mower deck.



1. Grip the height-adjustment lever and push it away from the height guide.
2. Move the lever forwards to increase the cutting height or backwards to decrease it.
3. Release the lever and ensure it engages securely in the required slot.

Setting	Approximate cutting height
1	25 mm
2	35 mm
3	45 mm
4	55 mm
5	65 mm
6	75 mm

Do not mow long grass at the lowest setting. Begin at a higher setting, then mow the area again at a lower setting if required.

NOTE: The cutting heights are approximate. The actual grass height may vary depending on lawn and ground conditions.

NOTE: Test the cutting height on a small, less visible area before mowing the entire lawn.

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Grass Catcher Full Indicator

The indicator provides an approximate guide to the amount of grass in the catcher.

1. When the grass catcher is not full, the indicator rises or moves during mowing.
2. When the grass catcher is full, the indicator stops moving. Stop the lawn mower, wait for the blade to stop completely, remove both batteries, then empty the catcher.
3. After emptying the grass catcher, clean its mesh to maintain adequate airflow.

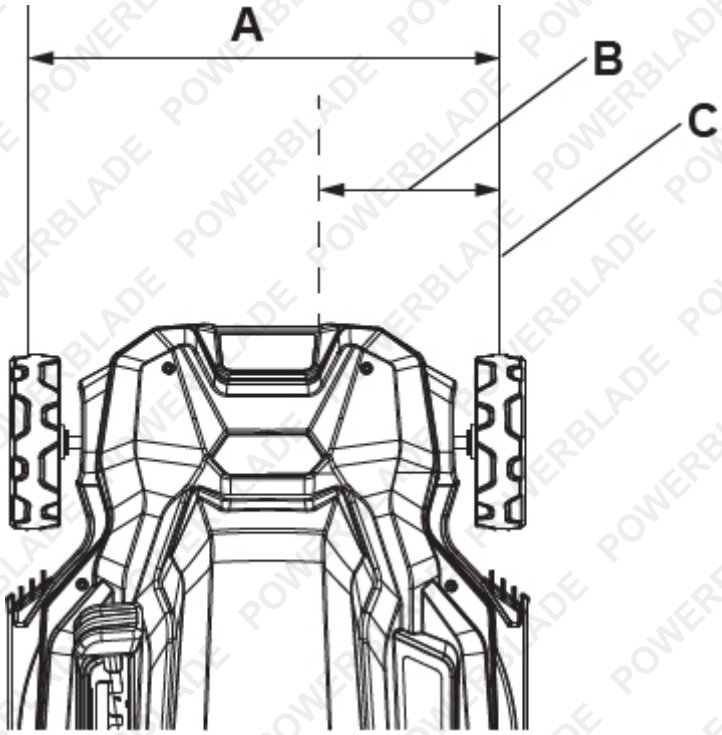
NOTE: The indicator is a guide only. Its operation may be affected by the condition of the grass catcher and the type or moisture content of the grass.

Mowing

WARNING: Before mowing, clear the area of sticks, stones and other objects that could be thrown by the blade. Always wear eye protection that complies with AS/NZS 1337.1, along with sturdy, enclosed, non-slip footwear.

CAUTION: If grass or a foreign object blocks the mower deck, stop the lawn mower and wait for the blade to stop completely. Remove both batteries and wear protective gloves before clearing the blockage.

NOTE: Use this machine only for mowing lawn grass. Do not use it to cut weeds or other vegetation.



1. Hold the handle firmly with both hands while mowing.
2. The recommended mowing speed is approximately 1 metre every 2–4 seconds.
3. Use the centre lines of the front wheels as a guide to the cutting width (A). Mow in parallel strips, overlapping each previous strip by one-third to one-half for an even cut.
4. Mow in straight, alternating passes to create an even pattern.
5. The approximate stripe width per pass is 280 mm.
6. Check the grass catcher regularly and empty it before it becomes full. Before checking it, stop the lawn mower, wait for the blade to stop completely and remove both batteries.

NOTE: Operating the lawn mower with a full grass catcher may restrict blade rotation and overload the motor, causing severe damage. Damage caused by operating with a full catcher is not covered by the manufacturer's warranty.

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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.

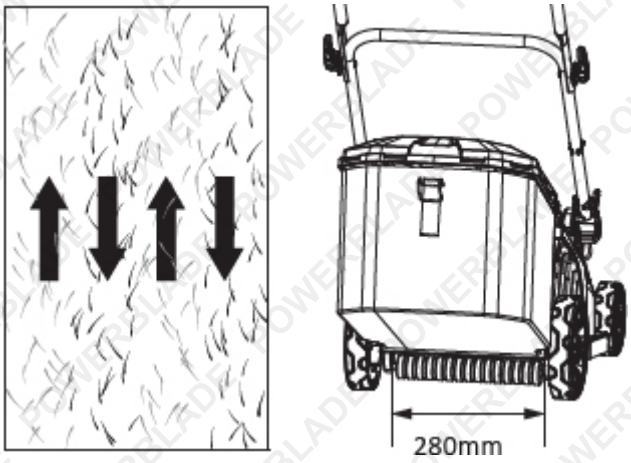
Note: Grass clippings can clog underneath the mower deck, preventing the blades from turning. This can overheat the engine, causing excessive wear to engine components, reducing the lawn mower's overall lifespan or catastrophic failure of engine bearings and pistons.

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.

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Mowing Long Grass



Do not cut long grass to its final height in a single mow.

1. Set the lawn mower to its highest cutting position.
2. Mow the lawn, then wait one or two days.
3. Repeat at progressively lower settings until the grass reaches the required height.

NOTE: Cutting long grass too short in a single mow may damage or kill it. Long clippings may also block the mower deck or become wrapped around the blade or motor shaft.

Collecting Grass

1. Select the required cutting height.
2. Press and hold the safety button.
3. Pull the OPC/brake lever towards the upper handle.
4. Release the safety button when the motor starts.
5. Hold the upper handle firmly with both hands and keep the OPC/brake lever engaged while mowing.
6. Empty the grass catcher when clippings begin trailing behind the lawn mower or the catcher-full indicator stops moving.

NOTE: Before removing the grass catcher, release the OPC/brake lever and wait for the blade to stop completely. Remove both batteries, then remove and empty the catcher.

Emptying the Grass Catcher

Empty the grass catcher when clippings begin trailing behind the lawn mower or the catcher-full indicator stops moving.

1. Release the OPC/brake lever and wait for the blade to stop completely.
2. Open the battery cover and remove both batteries.
3. Lift the rear discharge flap.
4. Lift the grass catcher by its handle and remove it from the lawn mower.
5. Empty the grass clippings.
6. Lift the rear discharge flap and refit the grass catcher as described in Fitting the Grass Catcher.

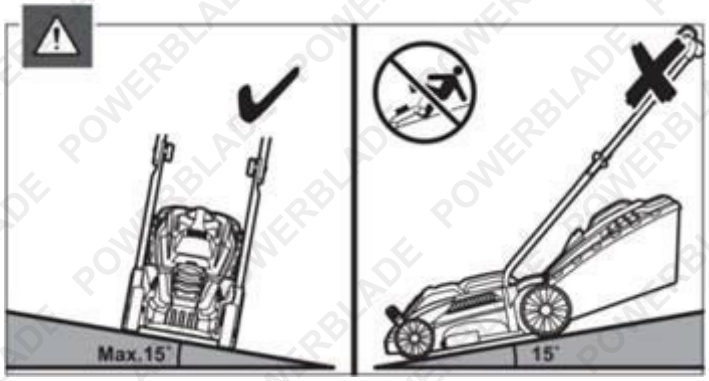
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7. Close the battery cover securely.

NOTE: Use a brush or broom to clear grass from the discharge chute, discharge opening and underside of the mower deck. Never use your hands or feet to clear grass from the mower deck or blade.

Keep the discharge opening and underside of the mower deck clear to maintain effective grass collection.

Mowing On Slopes



Ensure your footing is secure and the grass is dry. Mow across the slope, never up or down. Do not mow slopes steeper than 15°.

Mowing Instructions

Before Mowing

- Inspect the lawn mower for damage or faults.
- Ensure all nuts, bolts and screws are tight.
- Check that the blade and blade bolt are correctly fitted and secure.
- Replace a damaged blade and blade bolt before use. If sharpening is required, the blade must be sharpened evenly on both sides to prevent imbalance. Have this work completed by the manufacturer, an authorised service centre or a qualified repair technician.
- Wear long trousers, sturdy enclosed footwear and appropriate personal protective equipment.
- Operate the lawn mower only in daylight or adequate artificial light.
- Use a higher cutting setting for the first mow of the season and during drought conditions.

While Mowing

- Walk; never run. Take particular care on rough or uneven ground.
- Mow across slopes, never up or down. Take particular care when changing direction.
- Do not mow slopes steeper than 15°. The lawn mower may tip over on steep ground.
- Mow dry grass where possible. Wet grass may block the blade and grass-collection system.
- Never lift or carry the lawn mower while the motor is running.
- Do not lift the rear of the lawn mower while starting the motor.

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- Keep your hands and feet away from the underside of the mower deck and the rear discharge opening while the motor is running.
- Never modify or override the motor-speed controls.
- Do not allow anyone who has not read and understood these instructions to operate the lawn mower.

Stopping Before Another Task

Release the OPC/brake lever, wait for the blade to stop completely and remove both batteries:

- Before working beneath the mower deck or inside the rear discharge chute.
- Before inspecting, cleaning, adjusting or repairing the lawn mower.
- Before lifting, carrying or transporting the lawn mower.
- Before leaving the lawn mower unattended.
- Before adjusting the cutting height.
- Before removing or emptying the grass catcher.
- After striking a foreign object.
- If the lawn mower vibrates abnormally.

After striking a foreign object, inspect the lawn mower thoroughly. If it is damaged or you are unsure whether it is safe, have it inspected by the manufacturer or an authorised service centre before restarting. Damage caused by striking foreign objects is not covered by the manufacturer's warranty.

If the lawn mower vibrates abnormally, stop it immediately. Inspect for damage, loose parts or a damaged blade. If the cause cannot be identified and corrected safely, contact the manufacturer or an authorised service centre.

WARNING: The blade continues to rotate briefly after the motor stops. Keep clear until it has stopped completely.

CLEANING: Remove both batteries and wear heavy-duty protective gloves before cleaning beneath the mower deck or handling the blade. Never remove grass from the mower deck or blade with your hands or feet. Use a suitable brush or broom.

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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 4 hours on the initial charge and 4 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.

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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, Cleaning and Storage

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: Incorrect maintenance or storage may void the manufacturer's warranty. Keep the lawn mower clean to maintain safe and reliable operation.

Before performing maintenance:

- Switch off the motor.
- Wait for the blade to stop completely.
- Remove both batteries.
- Wear heavy-duty protective gloves.
- Wear eye protection that complies with AS/NZS 1337.1.

Remove both batteries when the lawn mower is not in use. Store them safely and out of the reach of children.

NOTE: Never use petrol, benzene, paint thinner, alcohol or similar solvents on the mower deck or other components. These substances may cause discolouration, deformation or cracking.

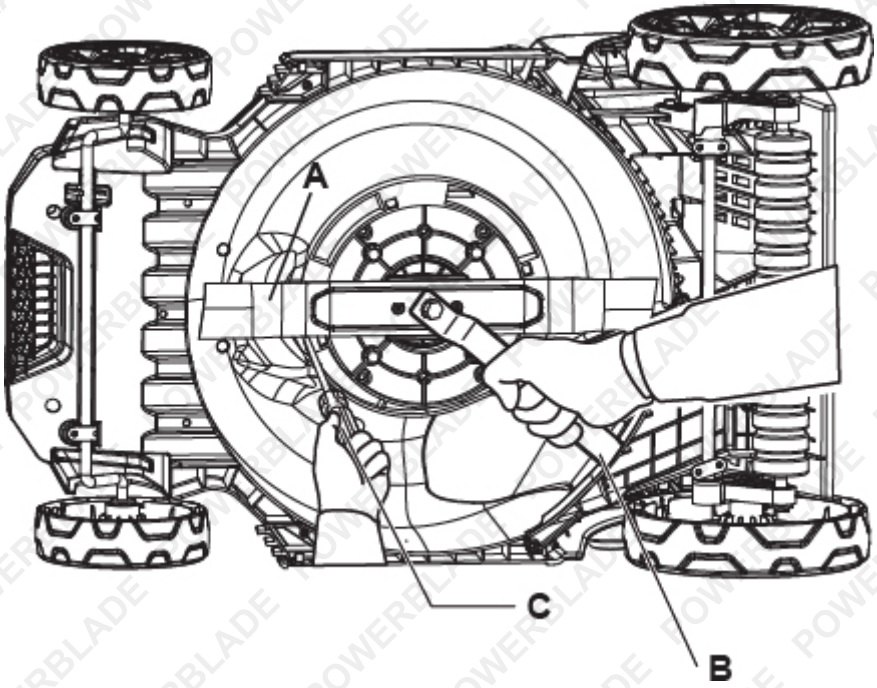
Repairs and adjustments not described in this manual must be completed by the manufacturer, an authorised service centre or a qualified repair technician using replacement parts approved by the manufacturer.

Maintenance

- Use only replacement parts approved by the manufacturer. Incompatible parts may damage the lawn mower, cause injury and void the warranty.
- Before each use, check that all nuts and bolts are secure.
- Use only lubricants approved by the manufacturer.
- Always switch off the motor, wait for the blade to stop and remove both batteries before disassembling, cleaning, servicing or maintaining the lawn mower.

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Removing the Cutting Blade



Wear heavy-duty gardening gloves to protect your hands.

1. Place the lawn mower on its side with the cutting-height adjustment lever uppermost.
2. Insert a screwdriver into the designated locking hole in the mower body to prevent the blade from rotating.
3. Using a spanner, turn the blade bolt anticlockwise.
4. Remove the blade bolt, then carefully remove the blade.

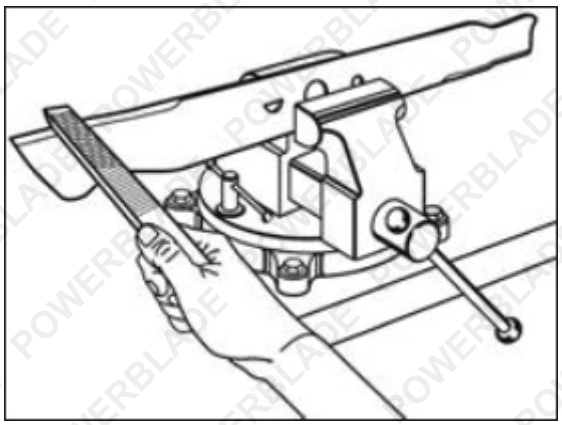
WARNING: Inspect the blade adaptor regularly for cracks or damage, particularly after the blade strikes a foreign object. Replace the adaptor if damaged.

Sharpening the Cutting Blade

Sharpen the blade only if you are competent and experienced in lawn mower maintenance. Incorrect sharpening may unbalance the blade, causing excessive vibration and serious injury.

Keep the blade sharp for efficient cutting and to prevent the motor from being overloaded. Under normal conditions, sharpening once per mowing season is usually sufficient. More frequent sharpening may be required when mowing lawns with sandy soil.

Remove the blade as described in Removing the Cutting Blade. Never sharpen the blade while it is fitted to the lawn mower.

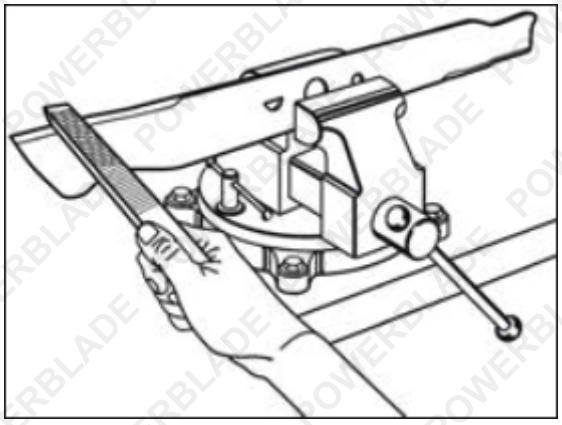


WARNING: Inspect the blade carefully after removal. Replace it immediately if it is bent, cracked or otherwise damaged. A damaged blade may cause an accident and serious injury.

1. Secure the blade firmly.
2. Using a fine-tooth file or sharpening stone, sharpen both cutting edges evenly. Remove the same amount of material from each end to maintain the blade's balance.

Balancing the Blade

Always balance the blade after sharpening. An unbalanced blade may cause excessive vibration and damage the lawn mower, particularly the motor.



To check the blade balance:

1. Clamp a screwdriver horizontally in a vice, as shown. If a vice is unavailable, use a straight nail that is securely supported.
2. Place the blade's centre hole over the screwdriver or nail shaft.
3. A balanced blade will remain horizontal. If either end drops, carefully sharpen the heavier end until the blade remains level.

Installing the Cutting Blade

WARNING: The blade has a correct upper and lower orientation. When the lawn mower is upright, the marked side containing the part number must face the ground.

Ensure the blade and all fixing components are correctly fitted and securely tightened.

1. Slide the blade support onto the motor shaft.
2. Fit the blade onto the blade support. Ensure it is correctly aligned and fully seated.
3. Fit the washer onto the blade.
4. Insert the blade bolt and tighten it by hand.
5. Lock the blade as described in Removing the Cutting Blade.
6. Using a torque wrench, tighten the blade bolt clockwise to 39.4–45.1 N·m.

NOTE: Check the blade bolt regularly to ensure it remains tightened to the specified torque.

Cleaning

WARNING: Before cleaning the lawn mower, switch off the motor, wait for the blade to stop completely and remove both batteries. Wear sturdy protective gloves when cleaning the mower deck or discharge chute.

CAUTION: Do not use a garden hose or pressure washer to clean the lawn mower or mower deck. Water may damage the motor and electrical components.

1. Clean the lawn mower after each use. Pay particular attention to grass around the cutting area and discharge chute.
2. Use a stiff brush to clean grass and mud from the underside of the mower deck before the debris dries.
3. Keep the motor housing vents clear of grass clippings and dust to maintain adequate airflow.
4. Keep the lawn mower, wheel axles and air vents clean using a brush or cloth. Do not use cleaning chemicals or solvents.
5. Inspect all covers and guards for damage and correct fitment. Replace damaged components before use.

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Cleaning the Grass Catcher

The grass catcher mesh may become blocked with dirt and dust, reducing collection performance.

1. Remove the grass catcher from the lawn mower.
2. Rinse the catcher with water.
3. Allow it to dry completely before refitting or storing it.

Lubrication

The bearings are permanently lubricated for the expected service life of the lawn mower under normal operating conditions. No additional bearing lubrication is required.

Before lubricating the lawn mower, switch off the motor, wait for the blade to stop completely and remove both batteries.

At the beginning and end of each mowing season:

1. Apply a small amount of light machine oil to the rear discharge flap springs.
2. Lubricate the cutting-height adjustment lever and associated hardware with light machine oil.
3. Remove the wheels. Apply a small amount of light machine oil to the axle bolts and the inner surfaces of the wheels.
4. Remove the blade and blade support as described in Removing the Cutting Blade. Apply a small amount of light machine oil to the motor shaft.

Storage and Transport

CAUTION: Allow the lawn mower and batteries to cool completely before storage.

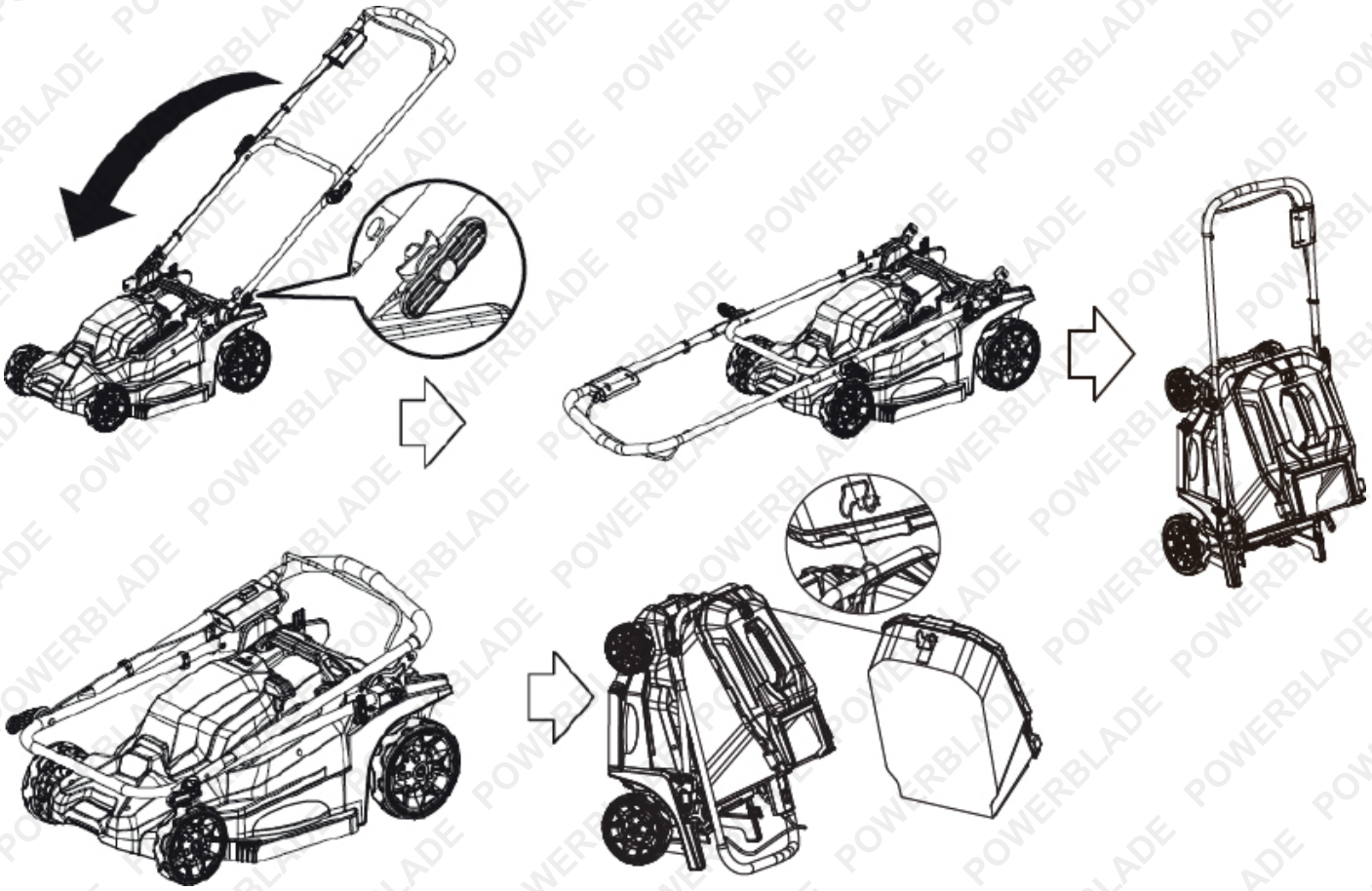
Before storing the lawn mower:

1. Clean and dry it thoroughly.
2. Remove both batteries and store them separately in a safe, dry place out of the reach of children.
3. Store the lawn mower indoors in a dry, dust-free and secure location. Do not cover it, as trapped moisture may cause damage.
4. Protect the lawn mower from severe weather and direct sunlight.
5. Before extended storage, inspect and clean the lawn mower. Arrange any necessary repairs before storage.
6. Do not bend, crush or kink the cables.
7. Store the lawn mower where nobody can step on it or use it as a platform to reach elevated items.

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Upright Storage

CAUTION: Place the lawn mower upright only on a flat, stable surface. An unstable lawn mower may fall and cause injury.



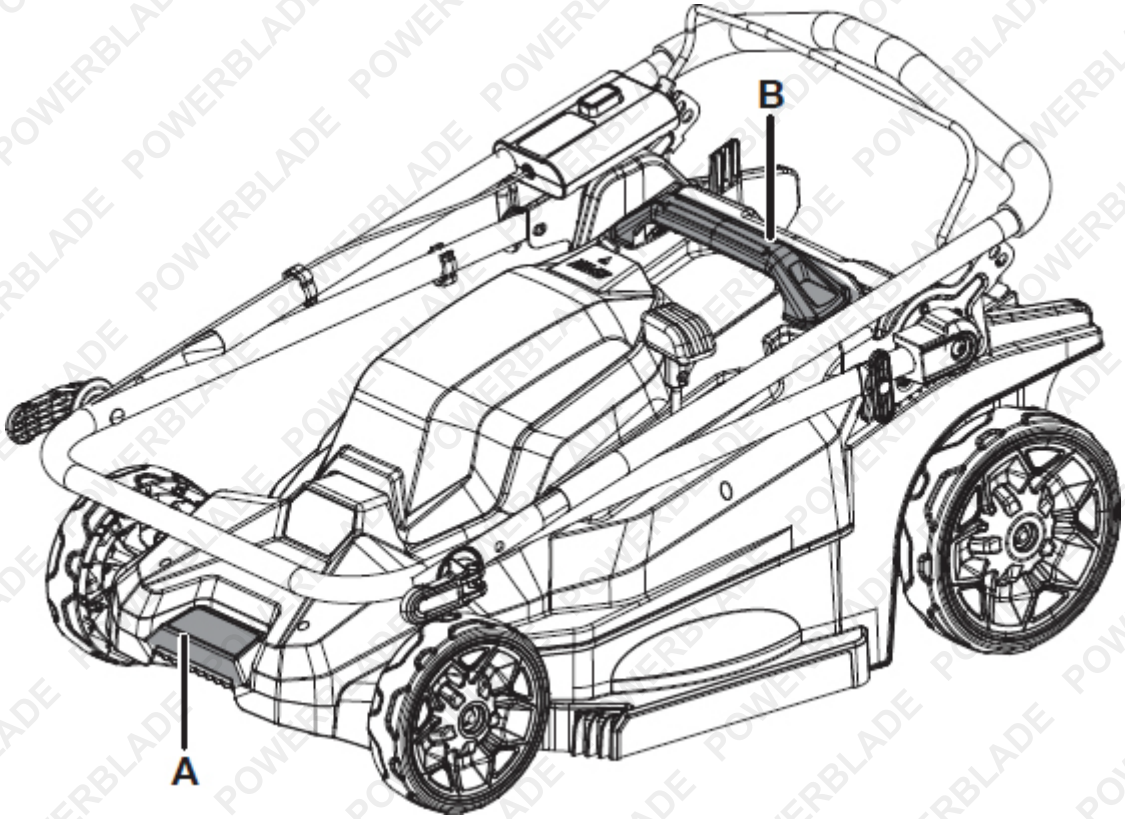
Store the lawn mower in a cool, dry and secure location. Do not store the lawn mower, batteries or charger outside the temperature range of 0–40 °C.

1. Remove both batteries.
2. Remove the grass catcher.
3. Release the quick-adjustment knobs, fold the lower handle, then lock the knobs.
4. Release the quick-release handles, fold the upper handle, then lock the handles.
5. Hold the lawn mower body and handle securely while moving the lawn mower into the upright position.
6. Fasten the hook-and-loop strap on the rear of the grass catcher bag to the lower handle crossbar.

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Carrying the Lawn Mower

CAUTION: Switch off the lawn mower, wait for the blade to stop completely and remove both batteries before carrying it.



Use at least two people to lift the lawn mower. One person should hold the rear handle (B), while the other holds the lower front grip (A).

Transport

- Remove both batteries before transporting the lawn mower.
- Clean the motor ventilation openings and housing.
- Secure the lawn mower to prevent movement or damage during transport.
- Use the original packaging for shipping where possible.
- If shipping the batteries separately, follow all applicable dangerous goods requirements.

Maintenance Information

Some components are subject to normal wear and may require periodic replacement. These include:

- Carbon brushes
- Cutting blade
- Grass catcher

Normal wear is not considered a manufacturing defect. Some listed components may not be supplied with the lawn mower.

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Disposal and Recycling

- The packaging protects the lawn mower during transport and should be reused or recycled where possible.
- The lawn mower and its accessories contain recyclable materials, including metal and plastic. Do not dispose of electrical components or lithium-ion batteries in household waste.
- Dispose of damaged components and batteries through an appropriate recycling or hazardous-waste facility. Contact your local council or the manufacturer for disposal and recycling advice.

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Troubleshooting

WARNING: Before inspecting, cleaning or working on the lawn mower, switch off the motor, wait for the blade to stop completely and remove both batteries. If excessive vibration occurs, stop the lawn mower immediately and do not operate it until the cause has been corrected.

Problem	Possible cause	Solution
Lawn mower does not start	1. One or both batteries are depleted. 2. One or both batteries are not correctly fitted. 3. The battery or lawn mower is too hot. 4. The handle is not locked in an operating position. 5. The mower deck is blocked with grass or debris.	1. Charge both batteries. 2. Fit both batteries correctly. 3. 3. Allow the batteries and lawn mower to cool. 4. 4. Lock the handle in an operating position. 5. 5. Clear the mower deck and ensure the blade moves freely.
Lawn mower cuts unevenly	1. The blade is blunt. 2. The cutting height is unsuitable. 3. The blade is incorrectly fitted.	1. Sharpen or replace the blade. 2. Adjust the cutting height. 3. Refit the blade as described in Installing the Cutting Blade.
Lawn mower stops while mowing	1. One or both batteries are depleted. 2. The lawn mower is overloaded. 3. The mower deck is blocked with grass or debris. 4. The battery or lawn mower is too hot.	1. Charge both batteries. 2. Increase the cutting height or reduce the mowing speed. 3. Clear the mower deck. Increase the cutting height or mow a narrower strip. 4. Allow the batteries and lawn mower to cool.
Lawn mower does not mulch effectively	1. Wet grass is sticking beneath the mower deck. 2. Too much grass is being removed in one pass.	1. Wait until the grass is dry. 2. Increase the cutting height.
Excessive vibration	1. The blade bolt is loose. 2. The blade is unbalanced. 3. The blade is bent or damaged. 4. The motor shaft is bent.	1. Tighten the blade bolt to the specified torque. 2. Balance the blade as instructed. 3. Replace the blade. 4. Contact the manufacturer or an authorised service centre.

If the fault cannot be corrected using this table, contact the manufacturer or an authorised service centre. Incorrect or unauthorised repairs may void the warranty and result in additional charges.

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Specifications

Power Type	Battery
Type	Push Lawn Mowers
Cutting Width	15" (380mm)
Motor Type	Brushless
Runtime	25 mins
Battery Type	Lithium-ion
Battery Capacity	4.0Ah
Battery Voltage	40V
Charge Time	4 hours
Cutting Height	25 - 75mm, 6 positions
Grass Catcher Volume	45L

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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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