XHD LITHIUM CORDLESS LAWN MOWER BRUSHLESS 400MM 18V - BARE TOOL



XHD16

OPERATORS MANUAL

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Note

This manual is for your reference only. Due to the continuous improvement of the XHD Lithium products, changes may be made at any time without obligation or notice.

Thank You

For the purchase of this XHD Lithium product. We try our hardest to supply customers like you with the best quality products available, at the best price possible. We cant wait to continue working together in the future.

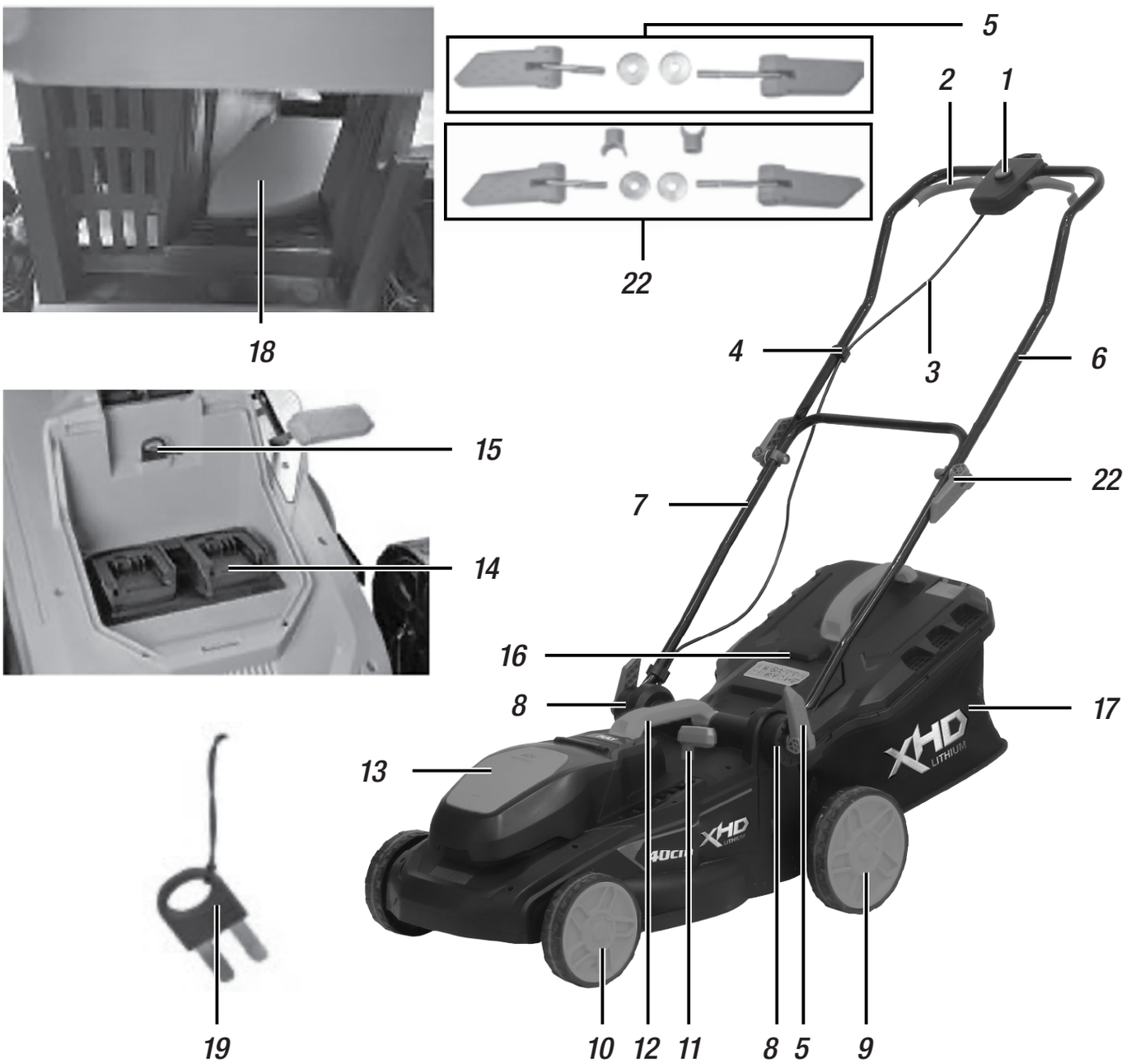
SPECIFICATIONS

Voltage	36 Volts (2x 18V)
Cutting Width	400mm
No Load Speed	3600RPM
Adjustable Cutting Height (5 Steps)	25mm | 40mm | 50mm | 60mm | 75mm
Catcher Capacity	40 Litre
No Load Working Time (4.0Ah)	35 minutes
Wheel Dimensions	Front: 160 x 40mm Rear: 200 x 50mm

Intended Use

The cordless lawn mower is for outdoor, domestic lawn use only. It is a walk-behind mower designed to be pushed by hand, with all four wheels on the ground and the blade operating parallel to the surface. Do not pull, ride on, lift, or use the mower for cutting anything other than grass lawns.

PRODUCT IDENTIFICATION



1 Safety Button/Power Button For Gear Lever
2 On/Off Gear Lever
3 Engine Control Cable
4 Cable Holder
5 Quick Release (Adjusting Pin)
6 Upper Linkage
7 Lower Linkage
8 Angle Adjustment
9 Rear Wheels
10 Front Wheels
11 Handle for Height
12 Central Carrying Handle
13 Battery Compart
14 Battery Slot
15 Insertion Slot for Safety Key
16 Rear Cover
17 Grass Catcher
18 Mulch Insert Device
19 Safety Key
20 Battery
21 Charger
22 Quick Release Link

SAFETY GUIDELINES

⚠ WARNING

READ ALL SAFETY WARNINGS & INSTRUCTIONS. Failure to follow instructions and warnings could lead to serious injury, electric shock, or fire.

Work Area Safety

- **Ensure that your work area is kept clean and well lit.** Lack of visibility and clutter greatly increase the risk of accident when using tools.
- **Keep bystanders, pets, and children clear when operating this power tool or machine.** They can cause distraction or risk injury to themselves.
- **Ensure you are not operating the power tool or machinery in the presence of dust, liquids, flammable gases, or anything that can create an explosive atmosphere.** Power tools and machinery can create sparks which can lead to ignition and fire hazards in working environments.

Personal Safety

- **Always wear personal protective equipment (PPE).** Eye protection, ear protection, dust masks, and other protective equipment will help to reduce the risk of personal injury or long-term illnesses.
- **Dress appropriately. DO NOT wear loose clothing that can get caught in moving parts.** Keep hair, loose clothing, jewellery, and anything else that could be of risk, away from moving parts in the machine, or they could become caught therein.
- **Always remain alert and DO NOT operate power tools or machinery under the influence of any substances such as alcohol or drugs, including prescription medications.** Lack of focus could lead to injury or accidents while operating these power tools and machinery.
- **Always ensure proper footing and balance.** Overreaching can lead to slipping and falling which can result in injury or accident.
- **Ensure the power switch is in the OFF position before connecting any battery, or power source to the power tool or machinery.** This can cause injury as tools and machinery can suddenly fire incidentally when live, causing accidents.
- **Use all provided dust collection and extraction attachments, if included.** This equipment, along with the use of PPE dust masks, can help keep you safe from dust inhalation, and keep your work site clear from hazards.
- **Ensure loose parts such as wrenches or adjusting keys are removed before starting the power tool or machinery.**

SAFETY GUIDELINES

Power Tool & Machinery Use & Care

- **Use the correct tool for the job.** Forcing a tool to do a job it was not designed for increases the risk of accident or injury.
- **Disconnect tools and machinery from power, or remove batteries before doing any maintenance or adjustments, or before storing the tools and machinery.** This reduces or removes the risk of a power connection that causes the tool or machinery to accidentally fire, which can help prevent injury or accident.
- **Check the general condition of the power tool for damage or any problems that could affect the way the tool or machine works.** An unrepaired tool or machine can lead to accident and injury. Only have your tool or machine repaired with genuine parts from your local distributor
- **Only use the power tool and machinery with genuine parts or accessories that are designed to be used with this power tool and machinery.** Failure to do so could result in accident or injury, or damage your tool or machinery.
- **Store your tool or machinery out of reach of children, and away from untrained personnel when not in use.** Use by somebody untrained, or a child, could lead to accident or serious injury.

Service

- **Have your tools and machinery serviced by your local distributor with genuine XHD Lithium replacement parts.** This will ensure that the safety of the power tool or machine is maintained.

⚠ WARNING

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Always Use Common Sense

- It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advise. Contact your dealer, service agent, or an experienced user. Do not attempt any task you feel unsure of!
- **Do not let familiarity gained from the frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

SAFETY GUIDELINES

Battery Tool Use & Care

- Prevent unintentional starting. Ensure the switch is in the OFF position before connecting to the battery pack, picking up, or carrying the machine. Carrying the machine with your finger on the switch or energising a machine that has the switch ON invites accidents.
- Disconnect the battery pack from the machine before making any adjustments, changing accessories, or storing the machine. Such preventive safety measures reduce the risk of starting the machine accidentally.
- Recharge the battery only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use machines only with specific battery packs. Use of any other battery packs may create a risk of injury and fire.
- When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush the area with water. If liquid contacts eyes, seek medical help. Liquid ejected from the battery may be acidic and may cause irritation or burns.
- Do not use a battery pack or machine that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion, or risk of injury.
- Do not expose a battery pack or machine to fire or excessive temperature. Exposure to fire or temperature above 130°C may cause explosion.
- Follow all charging instructions and do not charge the battery pack or machine outside of the temperature range specified in the instructions.
- Charging the battery improperly, or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Have servicing performed by a local XHD distributor using only identical replacement parts. This will ensure that the safety of the product is maintained.
- Do not modify or attempt to repair the machine or the battery pack except as indicated in the instructions for use and care.

Battery Long Life Tips

- Charge the battery cartridge before it is completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
- Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
- Charge the battery cartridge with room temperature at 10°C – 40°C. Allow a hot battery to cool before charging it.
- Charge the battery cartridge once in every six months if you do not use it for extended periods at a time.

SAFETY GUIDELINES

Lawn Mower Specific Safety

- Do not use the lawnmower in bad weather conditions, especially when there is a risk of lightning. This decreases the risk of being struck by lightning.
- Thoroughly inspect the area for wildlife where the lawnmower is to be used. Wildlife may be injured by the lawnmower during operation.
- Thoroughly inspect the area where the lawnmower is to be used and remove all stones, sticks, wires, bones, and other foreign objects. Thrown objects can cause personal injury.
- Before using the lawnmower, always visually inspect to see that the blade and the blade assembly are not worn or damaged. Worn or damaged parts increase the risk of injury.
- Check the grass catcher frequently for wear or deterioration. A worn or damaged grass catcher may increase the risk of personal injury.
- Keep guards in place. Guards must be in working order and be properly mounted. A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
- Keep all cooling air inlets clear of debris. Blocked air inlets and debris may result in overheating or risk of fire.
- While operating the lawnmower, always wear non-slip and protective footwear. Do not operate the lawnmower when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with the moving blade.
- While operating the lawnmower, always wear long trousers. Exposed skin increases the likelihood of injury from thrown objects.
- Do not operate the lawnmower in wet grass. Walk, never run. This reduces the risk of slipping and falling which may result in personal injury.
- Do not operate the lawnmower on excessively steep slopes. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- Use extreme caution when reversing or pulling the lawnmower towards you. Always be aware of your surroundings. This reduces the risk of tripping during operation.
- Do not touch blades and other hazardous moving parts while they are still in motion. This reduces the risk of injury from moving parts.
- When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and the battery pack is disconnected. Unexpected operation of the lawnmower may result in serious personal injury.

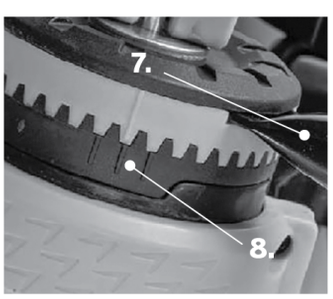
ASSEMBLY

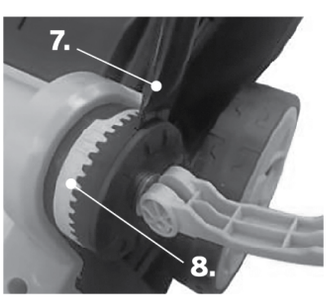
⚠ WARNING

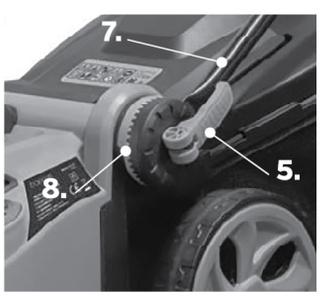
Make sure the device is turned off and the battery is removed before performing any of the following steps! Wear suitable gloves when changing the blade! The blade is sharp and there is a risk of injury.

Assembly of the Lower Linkage

- Insert the lower linkage (7) on each side of the lawn mower onto the corresponding toothed gear, which is used to adjust the linkage angle (8).
- Ensure the teeth engage fully, and align the line on the outer component with one of the three corresponding lines on the inner component.



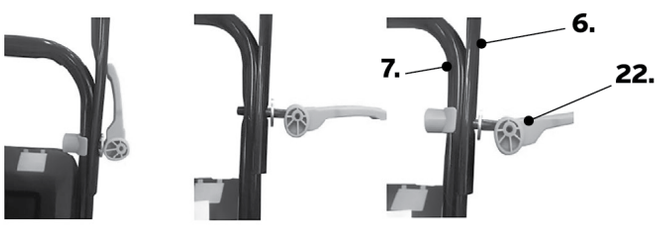




- Now attach one of the supplied quick-release fasteners (5) to each side to securely fix the linkage. Insert the screw of the quick-release fastener through a washer and into the designated hole. With the fastener in the open position, rotate it around its axis until the two components fit tightly together, then fold the quick-release fastener closed. Do not apply force, the fastener should close easily.

Assembly of the Upper Rod

- Align the upper rod (6) with the lower rod (7) at the designated holes. Insert the two fastening screws, with the washers on the outside, and secure them using the quick-release fasteners (22). Ensure the screws are correctly seated in the holes. Tighten the quick-release fasteners so they can still be closed easily. Do not use a wrench or any other tool to tighten the quick-release fasteners.





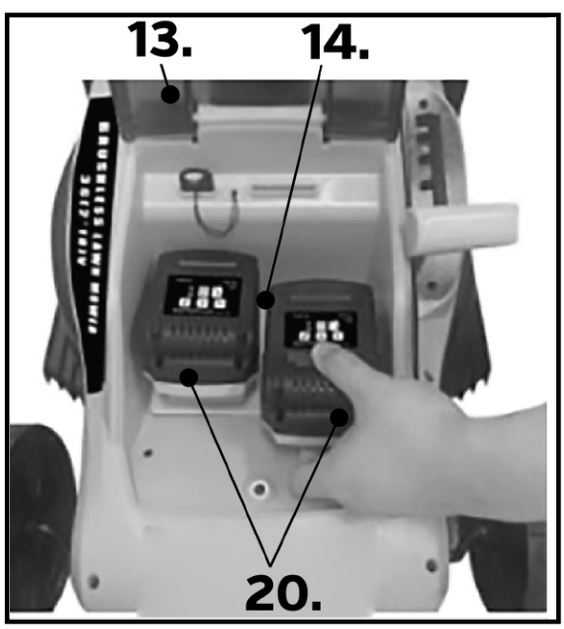
- To attach the cable to the rod, clip the supplied plastic sleeves or cable holders (4) onto the rod as shown to the right.



OPERATION

Installing or Removing the Battery

- To install the battery cartridge, align the tongue on the battery with the groove in the housing and slip it into place. Insert the two batteries (20) into the battery slots (14). Ensure the batteries are fully locked in place and securely seated, then close the battery compartment cover (13).
- To remove a battery, press the safety release button on the battery and pull the battery outwards.



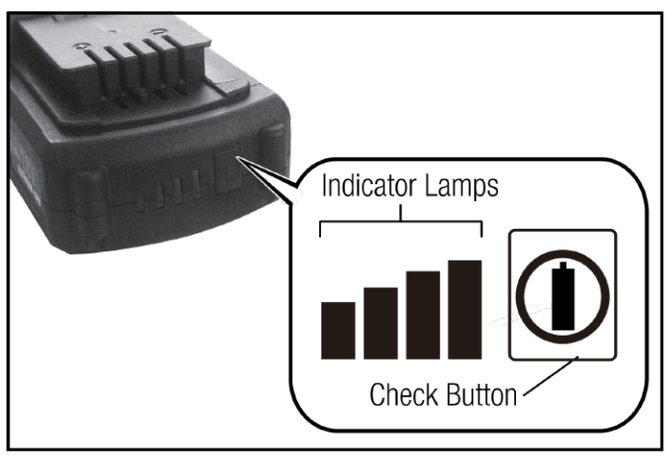
⚠ CAUTION

Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Indicating the Remaining Battery Capacity

- Press the check button on the battery cartridge to indicate the remaining capacity.

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.



INDICATOR LAMPS			REMAINING CAPACITY
LIGHTED	OFF	BLINKING	
■	■	■	75% to 100%
■	■	□	50% to 75%
■	□	□	25% to 50%
■	□	□	0% to 25%
◪	□	□	Charge the Battery.
■ ■ ↑↓ □ □	□ □	□ ■	The Battery may have Malfunctioned

OPERATION

Tool/Battery Protection System

- The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions:

Overload Protection

- When the tool/battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat Protection

- When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

Over Discharge Protection

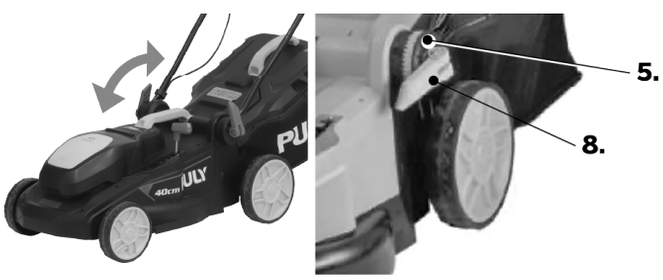
- When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery from the tool and charge the battery.

⚠ CAUTION

Before installing the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

Height & Angle Adjustment of the Handlebar

- For a comfortable working posture, the handlebar angle and the handlebar height, can be adjusted to three different positions using the adjustment gearing.
- The handlebar angle adjustment (8) is located above each rear wheel, next to the lower quick-release fasteners (5).



- To adjust the handlebar height, first loosen both lower quick-release fasteners (5) by turning them slightly counter-clockwise. We recommend holding the handlebar while loosening the second fastener, or supporting it to prevent it from dropping.
- Once both quick-release fasteners are sufficiently loosened, adjust the handlebar to the desired height by sliding it up or down. To secure it in one of the three height positions, ensure the outer marking aligns with one of the three inner markings.
- Ensure the gearings are fully engaged before tightening the quick-release fasteners again.



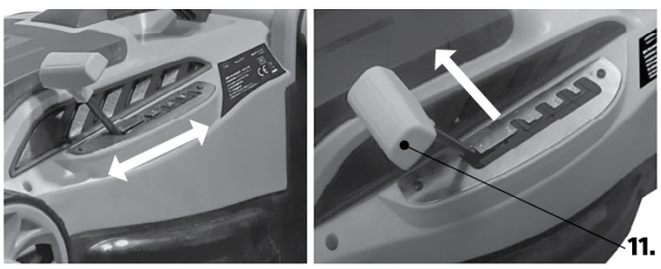
OPERATION

Setting the Cutting Height

CAUTION

Switch off the lawn mower and wait until the blade has come to a complete stop. Remove the safety key and take out the battery.

- Up to five different cutting heights can be selected (I = 25mm / II = 40mm / III = 50mm / IV = 60mm / V = 70mm).
- To adjust the cutting height according to grass length, move the height adjustment lever (11) up or down and then sideways until it engages in the desired position.

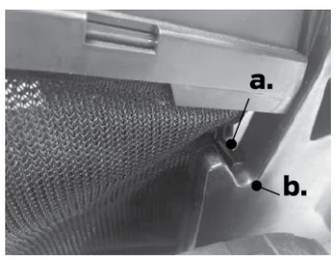


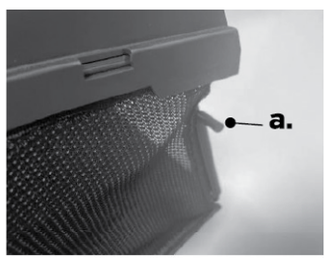
- Setting 1 corresponds to the lowest cutting height, while setting 5 corresponds to the highest.
- **Tip: To make height adjustment easier, slightly lift the lawn mower using the central carrying handle (12) when increasing the cutting height, or lower it when decreasing the height. Handle with care and do not use excessive force.**

NOTE: For the first cut of the season, select a higher cutting height. When cutting tall grass, start at the highest setting and gradually reduce the cutting height as needed.

Inserting the Grass Catcher Basket

- To install the grass catcher basket (17), first lift the rear cover (16). Position the grass catcher into the designated recesses as shown in the illustration. Once correctly fitted, lower the rear cover so it rests on the grass catcher. Ensure that the pin (a) is correctly seated in the trough (b).



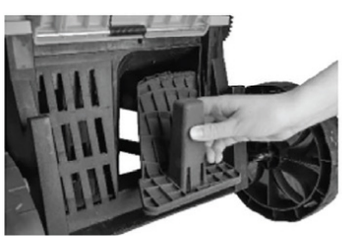


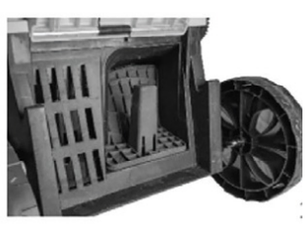




Optional Extra: Mulch Insert

- The lawn mower is equipped with a mulching function. If you wish to leave the cut grass on the lawn as a natural fertiliser and avoid emptying the grass catcher, a mulch insert can be used.
- To use the mulching function, fit the mulch insert to the designated mounting point under the rear cover (18). The grass catcher basket is not required when mulching.





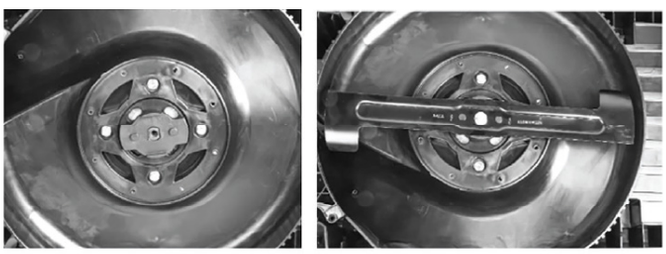
OPERATION

Change Replacement Blades

WARNING

Before replacing the blade, switch off the lawn mower and remove the battery. Wear cut-resistant work gloves and take care to avoid the sharp cutting edge. Observe the correct blade orientation and direction of rotation to prevent injury.

- Before replacing the blade, thoroughly clean the underside of the lawn mower. Hold the blade firmly with one hand, then use a 12mm box wrench (not supplied) with the other hand to loosen the fastening bolt by turning it counter-clockwise.
- Remove the blade and clean the area around the drive shaft. To fit the new blade (400mm), ensure it is correctly seated on the drive shaft. Correct alignment is achieved when the two locating bolts on the mower engage with the corresponding openings in the blade, as indicated by the arrows on the blade. Reinstall the fastening bolt and tighten it clockwise, taking care not to overtighten.
- Before operating the lawn mower, check that the blade is securely mounted and rotates freely.





Starting & Stopping the Lawnmower

- To start the lawn mower, insert the safety key (19) into the designated opening beneath the battery compartment cover. Press and hold the safety button (1), then pull up at least one of the two on/off switch levers (2) towards the handle. The motor will start after a brief moment.
- Once the mower is running, release the safety button (1) while continuing to hold the switch lever(s). The lawn mower is now ready for operation. Always operate the lawn mower with both hands on the handle during use.
- To stop the lawn mower, release both on/off switch levers (2). The mower will switch off automatically.



OPERATION

NOTICE

For new grass or dense turf, select a higher cutting height. When cutting tall grass, reduce your walking speed for best results. Do not mow wet grass, as it can stick to the underside of the lawn mower, build up, and reduce cutting performance.

If you only wish to trim the grass tips and leave the clippings on the lawn, remove the grass catcher and ensure the rear cover remains in the down position. Empty the grass catcher regularly to prevent the discharge chute from becoming blocked.

Battery runtime will vary depending on operating conditions, including grass height, thickness, and moisture, walking speed, terrain, blade sharpness, and correct blade installation.

Do not operate the lawn mower at ambient temperatures below 10 °C.

Precautions for Optimal Device Lifespan

- Regularly check the blade for wear or damage and replace it if necessary. Due to vibration during operation, the blade mounting screw may loosen over time, so inspect it regularly and retighten it as required.

NOTICE

Do not mow using the lowest cutting height under demanding conditions, as this may damage the motor. A drop in motor speed and a noticeable change in sound indicate overload. If this occurs, switch off the lawn mower, remove the battery, and increase the cutting height before continuing. Improper use may cause damage to the mower.

NOTE: The battery is equipped with a safety shut-off function that activates if the blade becomes jammed or the motor is overloaded. If this occurs, switch off the lawn mower, remove the safety key and battery, clear any obstructions (such as tangled grass or debris), and wait a few minutes before restarting. If the mower runs again, switch it off, remove the safety key and battery once more, and increase the cutting height to reduce motor load.

NOTE: Repeated blade jamming can cause the motor temperature to rise rapidly. If the motor overheats, the lawn mower will shut off automatically. In this case, remove the battery and allow the motor to cool completely before restarting. Cooling may take up to one hour.

MAINTENANCE

- Before cleaning or performing any maintenance, you must ensure the tool is switched off and disconnected from the power supply.
- Compressed air is the most effective way to clean this tool. Always wear PPE safety goggles when cleaning tools with compressed air.
- Ventilation openings and switch levers must be kept clean. DO NOT attempt to clean by inserting pointed objects through openings.
- Do not use harsh chemicals or solvents when cleaning this tool.
- If you discover any damaged or broken parts, consult your local XHD distributor for replacements and advise.

Battery Disposal

- Batteries and electronics should not be disposed of in household garbage. Please return your old batteries to your local distributor for safe and environmentally friendly disposal.
- Together, we can care for the environment.

Environment & Disposal

- Packaging materials are raw materials and can be re-used. Separate the different packaging materials and take them to the appropriate waste disposal facility. More information can be obtained from your local authorities.
- Old machines do not belong in your household garbage! Dispose of old machines appropriately, we are all responsible for the environment.

⚠ WARNING

Always be sure that the tool is switched off and the battery removed before attempting to perform any inspection or maintenance.

Cleaning & Storage

- Clean the mower thoroughly after each use to ensure a long service life. Use a hand broom, brush, compressed air, or a slightly damp cloth. Do not clean the device using water spray (such as a garden hose), pressure washers, excessively wet cloths, or strong cleaning agents including petrol, alcohol, or ammonia.
- Ensure all ventilation slots are kept clean and unobstructed at all times.
- Have the mower serviced only by a qualified XHD technician using identical replacement parts. This ensures continued safety and reliability.
- Charge batteries only with chargers recommended by the manufacturer. Using incompatible or non-approved batteries or chargers will void the warranty.
- Store the device and its accessories in a dry, frost-free location. Do not store the lawn mower outdoors. Improper storage will void the warranty.
- Store the lawn mower out of reach of children and unsupervised persons.