MOVA

Model: GT215/GT215X



20V 38cm Brushless Grass Trimmer User Manual

CAUTION: Before using this tool, please read this manual completely, and follow all operating safety measures.

Original Instructions

SAFETY & INTERNATIONAL SYMBOLS.....2
SAFETY INSTRUCTIONS.....3
KNOW YOUR UNIT.....7
SPECIFICATIONS.....8
ASSEMBLY.....8
OPERATION.....10
MAINTENANCE.....11
TROUBLESHOOTING.....14
WARRANTY POLICY.....15

SAFETY & INTERNATIONAL SYMBOLS

The following table depicts and describes safety and international symbols and pictographs that may appear on this product. Read, understand, and follow all instructions on the machine and in the instruction manual for complete safety, assembly, operating, maintenance, and repair information before attempting to assemble and operate.



Caution / Warning.



To reduce the risk of injury, user must read instruction manual.



Wear eye protection.



Wear hearing protection.



Do not use in rain or wet conditions.



WARNING – Beware of thrown objects.



WARNING – The distance between the machine and bystanders shall be at least 15m.



Do not use metal blades.



Keep bystanders a safe distance away from the work area.



WARNING – Disconnect battery before maintenance.



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

SAFETY INSTRUCTIONS

GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING!

Read all safety warnings, instructions, illustrations and specifications provided with this power equipment. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.
The term "power equipment" in the warnings refers to your mains-operated (corded) power equipment or battery-operated (cordless) power equipment.

1. Work Area Safety

a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
b. **Do not operate power equipment in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power equipment create sparks which may ignite the dust or fumes.
c. **Keep children and bystanders away while operating a power equipment.** Distractions can cause you to lose control.

2. Electrical Safety

a. **Power equipment plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power equipment.** Unmodified plugs and matching outlets will reduce risk of electric shock.
b. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
c. **Do not expose power equipment to rain or wet conditions.** Water entering a power equipment will increase the risk of electric shock.
d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power equipment. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
e. **When operating a power equipment outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
f. **If operating a power equipment in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3. Personal Safety

a. **Stay alert, watch what you are doing and use common sense when operating a power equipment. Do not use a power equipment while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power equipment may result in serious personal injury.
b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the power equipment.** Carrying power equipment with your finger on the switch or energising power equipment that have the switch on invites accidents.
d. **Remove any adjusting key or wrench before turning the power equipment on.** A wrench or a key left attached to a rotating part of the power equipment may result in personal injury.
e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power equipment in unexpected situations.
f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

h. **Do not let familiarity gained from frequent use of power equipment allow you to become complacent and ignore power equipment safety principles.** A careless action can cause severe injury within a fraction of a second.

4. Power Equipment Use and Care

a. **Do not force the power equipment. Use the correct power equipment for your application.** The correct power equipment will do the job better and safer at the rate for which it was designed.

b. **Do not use the power equipment if the switch does not turn it on and off.** Any power equipment that cannot be controlled with the switch is dangerous and must be repaired.

c. **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power equipment before making any adjustments, changing accessories, or storing power equipment.** Such preventive safety measures reduce the risk of starting the power equipment accidentally.

d. **Store idle power equipment out of the reach of children and do not allow persons unfamiliar with the power equipment or these instructions to operate the power equipment.** Power equipment are dangerous in the hands of untrained users.

e. **Maintain power equipment and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power equipment's operation. If damaged, have the power equipment repaired before use.** Many accidents are caused by poorly maintained power equipment.

f. **Keep cutting equipment sharp and clean.** Properly maintained cutting power equipment with sharp cutting edges are less likely to bind and are easier to control.

g. **Use the power equipment, accessories and power equipment bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power equipment for operations different from those intended could result in a hazardous situation.

h. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the power equipment in unexpected situations.

5. Battery Power Equipment Use and Care

a. **Recharge 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.

b. **Use power equipment only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

c. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.

d. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

e. **Do not use a battery pack or power equipment that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

f. **Do not expose a battery pack or power equipment to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.

g. **Follow all charging instructions and do not charge the battery pack or power equipment outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6. Service

a. **Have your power equipment serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power equipment is maintained.

b. **Never service damaged battery packs.**

Service of battery packs should only be performed by the manufacturer or authorized service providers.

GRASS TRIMMER SAFETY WARNINGS

a. **Do not use the machine in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
b. **Thoroughly inspect the area for wildlife where the machine is to be used.** Wildlife may be injured by the machine during operation.
c. **Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.
d. **Before using the machine, always visually inspect to see that the cutter or blade and the cutter or blade assembly are not damaged.** Damaged parts increase the risk of injury.
e. **Follow instructions for changing accessories.** Improperly tightened blade securing nuts or bolts may either damage the blade or result in it becoming detached.
f. **Wear eye, ear, head and hand protection.** Adequate protective equipment will reduce personal injury by flying debris or accidental contact with the cutting line or blade.
g. **While operating the machine, always wear non-slip and protective footwear. Do not operate the machine when barefoot or wearing open sandals.** This reduces the chance of injury to the feet from contact with the moving cutters or lines.
h. **While operating the machine, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.
i. **Keep bystanders away while operating the machine.** Thrown debris can result in serious personal injury.
j. **Always use two hands when operating the machine.** Holding the machine with both hands will avoid loss of control.
k. **Hold the machine by insulated gripping surfaces only, because the cutting line or blade may contact hidden wiring.** Cutting line or blades contacting a "live" wire may make exposed metal parts of the machine "live" and could give the operator an electric shock.
l. **Always keep proper footing and operate the machine only when standing on the ground. Slippery or unstable surfaces may cause a loss of balance or control of the machine.**
m. **Do not operate the machine on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
n. **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.
o. **Keep all parts of the body away from the cutter, line or blade when the machine is operating. Before you start the machine, make sure the cutter, line or blade is not contacting anything.** A moment of inattention while operating the machine may result in injury to yourself or others.
p. **Do not operate the machine above waist height.** This helps prevent unintended cutter or blade contact and enables better control of the machine in unexpected situations.
q. **When cutting brush or saplings that are under tension, be alert for spring back.** When the tension in the wood fibres is released, the brush or sapling may strike the operator and/or throw the machine out of control.
r. **Use extreme caution when cutting brush and saplings.** The slender material may catch the blade and be whipped toward you or pull you off balance.
s. **Maintain control of the machine and do not touch cutters, lines or blades and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
t. **Carry the machine with the machine switched off and away from your body.** Proper handling of the machine will reduce the likelihood of accidental contact with a moving cutter, line or blade.
u. **Only use replacement cutters, lines, cutting heads and blades specified by the manufacturer.** Incorrect replacement parts may increase the risk of breakage and injury.

v. **When clearing jammed material or servicing the machine, make sure the switch is off and the machine is disabled.** Unexpected starting of the machine while clearing jammed material or servicing may result in serious personal injury.

RESIDUAL RISK

1. Although all reasonable and necessary safety measures have been adopted in the design, production, and testing of this power tool to minimize potential risks, due to the inherent characteristics of mechanical products and the diversity of usage scenarios, there may still be residual risks that cannot be completely eliminated.
2. Familiarize yourself with this product by reading and understanding the instruction manual. Pay close attention to all safety directions and follow them precisely to help prevent risks and hazards.

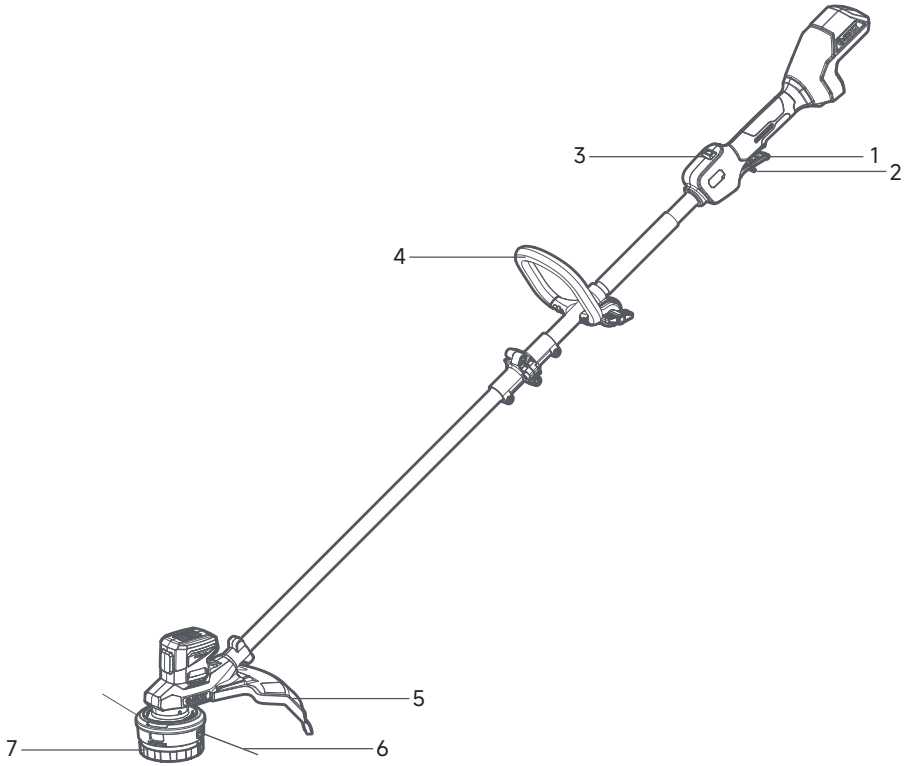
a. Always remain alert when using this product so you can recognize and handle risks early. Quick action can help prevent serious injury and property damage.

b. Switch the product off and disconnect it from the power supply if any malfunctions occur. Have a qualified professional inspect and repair it as needed before resuming operation.

INTENDED USE

The line trimmer is only intended for cutting grass and light weeds. It should not be used for any other purpose.

KNOW YOUR UNIT



1	Trigger
2	Safety Switch
3	Speed Adjustment Button
4	Handle
5	Guard
6	Cutting Line
7	Trimmer Head

SPECIFICATIONS

Model	GT215/GT215X*
Input Voltage	18 V (max 20 V) ⎓
Motor Type	Brushless
Rated Output Power	500 W
Max speed	6500 /min
Cutting Capacity	38 cm
Cutting Line Diameter	2.0 mm x2
Cutting Line Type	Heavy Duty
Cutting Line Length	5 m
Feeding System	Semi-automatic
Weight (Tool Only)	3.0 kg
Sound Power Level L_{WA}	L_{WA}= 94 dB(A)
Guaranteed Sound Power Level L_{WA}	L_{WA}= 96 dB(A)
Uncertainty K_{WA}	K_{WA}= 2.0 dB(A)
Sound Pressure Level L_{PA}	L_{PA}= 86.5 dB(A)
Uncertainty K_{PA}	K_{PA}= 3.0 dB(A)
Vibration Emission Value a	Rear handle: 3.66 m/s^2 Front handle: 3.31 m/s^2
Uncertainty K	K=1.5 m/s^2

*X=0-999, A-Z may vary depending on the sales region or package configuration, with no safety-related changes between these models.

*20V Max battery, maximum initial battery voltage (measured without a workload) is 20V. The nominal voltage is 18V.

NOTE: The declared noise emission value(s) and vibration total value(s) are measured in accordance with a standard test method, and may be used both for comparing tools and for making a preliminary assessment of exposure.

⚠**WARNING:** The noise and vibration emissions during actual use of the power tool may differ from the declared value(s), depending on how the tool is used. To protect the operator, hearing protection and gloves should be worn under actual working conditions.

ASSEMBLY

1. Unpack all parts and lay them on a flat, stable surface:
2. Remove all packing materials and shipping devices, if applicable.
3. Package Contents
- Grass Trimmer
- Battery Pack
- Charger
- Grass Trimmer Line (5 m)
- Grass Trimmer Spool
- Grass Trimmer Guard
- User Manual

NOTE: The actual accessories supplied may vary depending on the product model, sales region, production batch, or package configuration.

4. If parts are missing or damaged. Do not use the product. Contact your local dealer.
5. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

⚠ WARNING!



Wear protective gloves for this assembly work and always lay the product on a flat and stable surface while assembling.



Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product! Do not insert the battery pack before the power tool is completely assembled or adjusted!

INSTALLING THE SHAFT

1. Unfold both sections of the grass trimmer, ensuring they are aligned correctly and the coupler is straight.

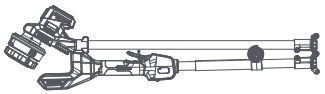


Fig. 1

2. Insert the three bolts and two nuts into the coupler and tighten them securely.
Note: Fit the nuts into the dedicated slots on the coupler.

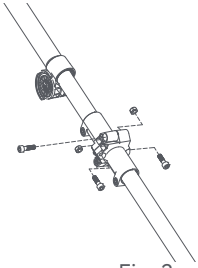


Fig. 2

INSTALLING THE HANDLE

1. Clamp the handle securely to the handle support, making sure that the slots on both the handle and the support are properly aligned.

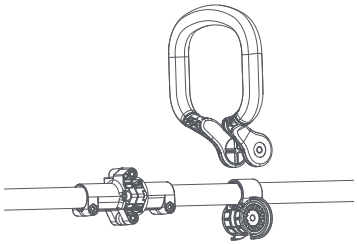


Fig. 3

2. Insert the bolt through the hole and lightly tighten the handle locking knob.

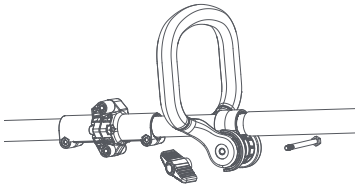


Fig. 4

3. Adjust the handle to the desired position, then fully tighten the handle locking knob.

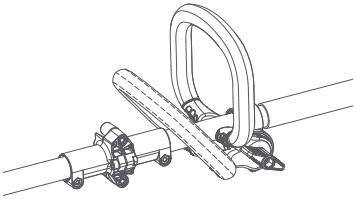


Fig. 5

INSTALLING THE GUARD

⚠ WARNING!
Never operate the tool without the guard firmly in place.

⚠ WARNING!
Always wear gloves when mounting or replacing the guard. The blade on the guard is sharp.

1. Insert the guard onto the neck of the trimmer head.
2. Secure the guard by tightening the bolt.

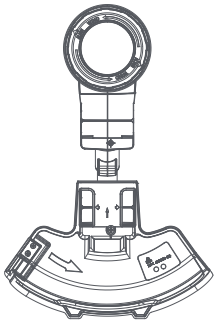


Fig. 6

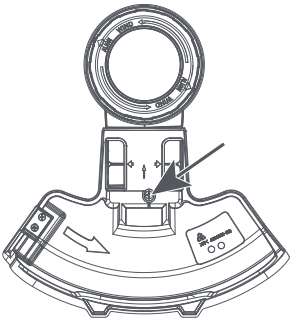


Fig. 7

INSTALLING/REMOVING THE BATTERY PACK

⚠ WARNING!

Use only the accessories listed below.
Using non-approved accessories may result in poor performance or safety hazards.

Battery Pack	GBA202/GBA204/GBA208
Charger	GCH202/GCH204/GCH206D

NOTE: For usage instructions of the battery pack
and charger, please refer to the respective user manuals.

To install:
1. Align the ribs on the battery pack with the mounting slots in the tool.
2. Slide the battery pack in until it clicks into place.

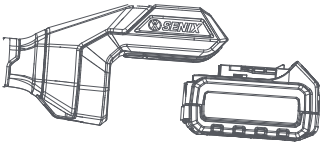


Fig. 8

To remove:
Depress the battery-release button and pull the battery pack out.

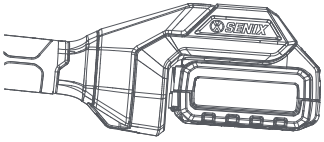


Fig. 9

OPERATION

⚠ WARNING!

Always wear the necessary protective gear to help reduce the risk of injury while operating this grass trimmer. Keep all parts of your body clear of the cutting attachment and any hot surfaces.

SWITCHING ON/OFF

1. To start the grass trimmer, push the safety switch forward, then squeeze the trigger. To adjust the speed, press the speed-adjusting button until you reach the desired setting.
2. To stop the trimmer, simply release the trigger.

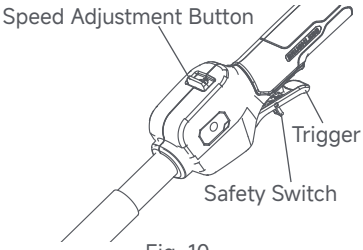


Fig. 10

USING THE TRIMMER

⚠ WARNING!

Before each use, inspect the trimmer for any signs of damage or wear.

1. Check the trimmer head, guard, and handle for cracks, warping, bending, or

other damage; replace any compromised parts as needed.
2. The line-cutting blade on the guard's edge can become dull over time, so it is recommended to sharpen it periodically with a file or replace it with a new blade.
3. After each use, clean the trimmer using only mild soap and a damp cloth. Keep liquids from entering the tool, and never submerge any part of it in water. Make sure the motor housing air vents are free of debris at all times.

⚠ WARNING!

If the trimmer head becomes blocked by foreign objects during operation, stop the trimmer and wait until it has completely stopped. Remove the battery. Then remove the objects and clean the trimmer head. Handling or cleaning moving parts can result in serious injury.

GENERAL TRIMMING TECHNIQUES

- Maintain the cutting attachment at a parallel angle to the ground.
- Allow the tip of the line to do the cutting particularly along walls. Forcing the trimmer or using more than the line tip reduces cutting efficiency and may overload the motor.
- Cutting height is determined by how far the cutting line is from the lawn's surface.
- For grass taller than 20 cm, trim in small increments from the top down to avoid premature line wear or motor drag.
- Move the trimmer slowly in and out of the cutting area, keeping the head at the desired height. A forward-backward or side-to-side motion works best. Shorter cutting lengths generally produce the best results.
- Trim only when grass and weeds are dry.
- Be aware that fences, stone or brick walls, curbs, and wood surfaces can cause extra line wear or breakage.
- Avoid contact with trees and shrubs. The trimmer line can easily damage bark, wood moldings, siding, and fence posts.

MAINTENANCE

⚠ WARNING!

Only perform cleaning and maintenance according to these instructions! All further works must be performed by an Authorized Service Center.

⚠ WARNING!

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Make sure the battery pack is removed before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: Do not use damaged equipment. If you notice abnormal noise or vibration, have the issue resolved before continuing use.

If you discover any of the following issues, stop using the tool and take it to an Authorized Service Center for repair:

- Leaking, swollen, or cracked battery pack.
- Loose hardware.
- Misalignment or binding of accessories.
- Cracked or broken parts.
- Any other condition that may affect safe operation

REPLACING THE TRIMMER HEAD

1. Rotate the trimmer head until the outer, visible locking hole lines up with the inner locking hole beneath the trimmer head.
2. Insert a hex wrench into the locking hole until it stops.
3. Turn the head counterclockwise to unscrew and remove it.

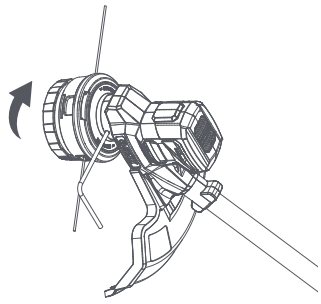


Fig. 11

4. Install the new trimmer head using Steps 1 and 2, then turn the head clockwise until it is fully secured.

REMOVING EXCESS LINE

1. Press the two release tabs and pull the lower cover assembly of the trimmer head straight out to remove it.

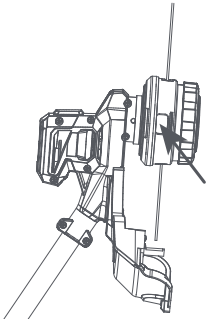


Fig. 12

2. Take the spool out of the lower cover assembly.

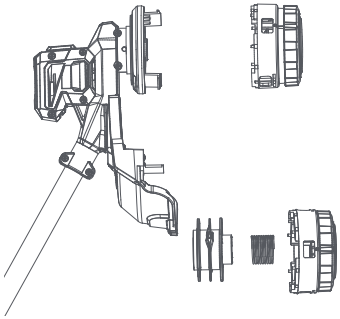


Fig. 13

3. Remove the cutting line from the spool.
4. Put spool back in place. Align the slots with the release tabs to install the lower cover assembly.

WINDING UP THE CUTTING LINE

1. Align the small arrow on the lower cover with the eyelet.
2. Cut a piece of line approximately 5 m long.
3. Insert one end of the line into the eyelet and feed it through until it emerges from the opposite eyelet.

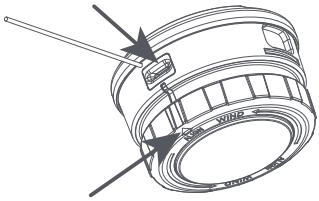


Fig. 14

4. Pull the line from the other side until equal lengths of the line extend from both sides of the trimmer head.
5. Rotate the lower cover in the direction of the long arrow to wind the line.

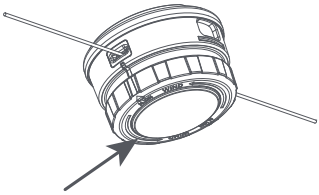


Fig. 15

NOTE:

Only use a cutting line that meets the "SPECIFICATION" guidelines for replacement.

CLEANING

- Use a small brush to gently clean the exterior of the product. Avoid strong detergents and household cleaners containing aromatic oils or solvents, as these can damage plastic parts.
- Wipe away any remaining moisture with a soft cloth.

TRANSPORTATION

- Clean the product as described above.
- Always carry the product by its handle.
- Secure the product properly when transporting.

STORAGE

- Clean the product as described above.
- Store in a dark, dry, frost-free and well ventilated area that is inaccessible to children.
- Use original package for storage or cover with a suitable cloth to protect it against dust.

NOTE:

It's best to store the battery pack at the temperature of 10°C – 26°C.

DISPOSAL

Product should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice. Users should clean up cut grass generated during operation to protect environment.



Electrical products should not be discarded with household products.
Used electrical products must be collected separately and disposed of at collection points provided for this purpose. Talk with your local authorities or dealer for advice on recycling.

TROUBLESHOOTING

Suspected malfunctions are often due to causes that can be addressed by the user. Therefore, troubleshoot the product using this section. In most cases the problem can be solved quickly.

Problem	Possible Cause	Solution
Product does not start	Battery pack is depleted	Charge battery pack
	Battery pack is not properly attached	Remove the battery pack from the product and reattach it
	Battery is too hot/cold	Allow the battery pack to cool or warm to a suitable operating temperature
Product does not cut	Line is too short or broken off	Manually feed the cutting line
	Spool is empty	Refill the line spool
Cutting line can no longer be fed	Line inside the spool is entangled	Inspect the spool and rewind the line if necessary
	Spool is empty	Refill the line spool
Cutting line breaks frequently	Line inside the spool is entangled	Remove the spool and rewind the line properly
	Trimmer used incorrectly (e.g., hitting hard objects)	Trim using only the tip of the line. Avoid stones, walls, and other hard objects. Regularly feed the line to maintain the full cutting diameter
Heavy vibrations	Cutting line is broken	Pull out and manually feed the cutting line
	Grass is blocking the line feed hole	Remove any grass or debris from the line feed hole

WARRANTY POLICY

• During the warranty period, if the product exhibits manufacturing defects (excluding damage caused by improper use or mishandling), you may contact the MOVA after-sales service team for support. Upon confirmation of the defect by our technicians, you will be eligible for complimentary repair or replacement under the warranty terms.
• The warranty is only applicable to the original purchase from an authorized MOVA retailer.
• The warranty period may vary by country/region and is subject to local laws and regulations.

Warranty period:

Personal and Household Use

• 20V, 40V Garden tools (e.g., lawn mowers, hedge trimmers): **3-year** limited warranty from the date of purchase.
• 20V, 40V (2*20V) Battery system (e.g., chargers, battery packs): **2-year** limited warranty from the date of purchase.
• Maintenance parts/accessories: **NOT** covered under the limited warranty.

Professional Use: For commercial, agricultural, and institutional applications: 30-day limited warranty from the date of purchase.

During the warranty period, the following situations are not covered under the warranty:

1. Products used for rental purposes.
2. Products whose serial number, factory label, and other identifiers have been torn off or altered.
3. No valid purchasing document (receipt, invoice, or other) is provided to certify the date the product was purchased.
4. Maintenance parts/accessories, including but not limited to: lawn mower blades, trimmer blades, grass bag, mulching insert, grass trimmer head, wheels, brush cutter blade, saw chain, belts, skid shoes, scraper bar, shear bolts, blower tube/nozzles, and other similar accessories.
5. Defects caused by normal wear and tear or normal product aging. This includes but is not limited to scratches, dents, paint peeling, or any corrosion or discoloration caused by overheating, abrasives, and chemical cleaners.
6. Damage caused by:
   • Abuse, overloading, misuse, or unauthorized modification.
   • Natural disasters, accidents, or other force majeure events.
7. Malfunctions resulting from failure to operate the product according to its instructions, specifications, or guidelines, or due to improper maintenance, care, or storage.
8. Failures due to the use of unauthorized accessories.
9. Failures caused by repairs made by an unauthorized service center or tampering with the product by individuals without permission from MOVA.

The warranty covers only the repair of defects specified in these terms. Any other claims are excluded. Please note: No full unit replacement service will be provided during repairs.

MOVA reserves the right to amend these terms and retains final authority over warranty interpretation, subject to applicable laws.

For more warranty information, please visit the official website: https://www.mova.tech/

CONTACT US
https://www.mova.tech/pages/contact-us



Manufacturer: Lawnix Technology (Nanjing) Co., Ltd.
Address: Room 501-510, 5/F, Block E (Building 2), No.10 Mozhou East Road, Jiangning Development Zone, Jiangning District, Nanjing, Jiangsu Province, P.R.China
Made in China