

HLE 71

STIHL



2 - 19 Instruction Manual



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1 Guide to Using this Manual

1.1 Pictograms

All the pictograms attached to the machine are shown and explained in this manual.

1.2 Symbols in text



WARNING

Warning where there is a risk of an accident or personal injury or serious damage to property.

NOTICE

Caution where there is a risk of damaging the machine or its individual components.

1.3 Engineering improvements

STIHL's philosophy is to continually improve all of its products. For this reason we may modify the design, engineering and appearance of our products periodically.

Therefore, some changes, modifications and improvements may not be covered in this manual.

2 Safety Precautions and Working Techniques



Because this unit is a high-speed, fast-cutting tool powered by electricity and has very sharp cutting blades and a long reach, special safety precautions must be observed during operation.



It is important you read and understand the User Manual before commissioning and keep it in a safe place for future reference. Non-compliance with the User Manual may cause serious or even fatal injury.

Observe all applicable local safety regulations, e.g. by trade organizations, social insurance institutions, labor safety authorities etc.

If you have never used a power tool before: Have your dealer or other experienced user show you how to operate your machine – or attend a special course to learn how to operate it.

Minors are not allowed to work with the power tool – except adolescents above 16 years of age who are instructed under supervision.

Children, animals and bystanders must remain at a distance.

When not using the machine, it must be laid down in such a way that it does not endanger anyone. Ensure that the machine cannot be used without authorization.

The user is responsible for accidents or risks involving third parties or their property.

Do not lend or rent your power tool without the User Manual. Be sure that anyone using it understands the information contained in this manual.

The use of machines that emit noise may be limited to certain hours of the day as specified by national and/or regional or local regulations.

Anyone operating the machine must be well rested, in good physical health and in good mental condition.

If you have any condition that might be aggravated by strenuous work, check with your doctor before operating a machine.

Anyone who has consumed alcohol or drugs or medicines affecting their ability to react must not operate a power tool.

Use the machine only for cutting hedges, shrubs, bushes, scrub and the like.

Other uses are not permitted and may lead to accidents or damage to the machine.

Always disconnect the machine from the mains power supply before starting any work on the machine – **risk of accident!**

Never jerk the power cord to disconnect it from the wall outlet. To unplug, grasp the plug, not the cord.

Unsuitable extension cords may be dangerous.

When using extension cords, ensure that the minimum conductor cross-sections are maintained (refer to the chapter entitled "Connecting the machine to the power supply").

The connector and coupling of the extension cord must be waterproof or routed in such a way that they cannot come into contact with water.

Only use cutting blades and accessories that are explicitly approved for this power tool by STIHL or are technically identical. If you have any questions in this respect, consult your dealer. Use only high quality parts and accessories. In order to avoid the risk of accidents and damage to the machine.

STIHL recommends the use of original STIHL tools and accessories. They are specifically designed to match the product and meet your performance requirements.

Never attempt to modify your power tool in any way since this may increase the risk of personal injury. STIHL excludes all liability for personal injury and damage to property caused while using unauthorized attachments.

Do not use a high-pressure washer to clean the power tool. The solid jet of water may damage parts of the unit.

Do not spray the power tool with water.

2.1 Clothing and equipment

Wear proper protective clothing and equipment.



Clothing must be sturdy but allow complete freedom of movement. Wear close-fitting clothes such as a boiler suit, not a loose jacket.

Do not wear clothing which could become trapped in wood, brush or moving parts of the machine. Do not wear a scarf, necktie or jewelry. Tie up and confine long hair above your shoulders.



Wear safety boots with steel toe caps and non-slip soles.



WARNING



To reduce the risk of eye injuries, wear close-fitting safety glasses in accordance with European Standard EN 166. Make sure the safety glasses are a snug fit.

Wear "personal" sound protection, e.g. ear defenders.

Wear a safety hard hat where there is a danger of head injuries from falling objects.



Wear sturdy protective gloves made of a resistant material (e.g. leather).

STIHL can supply a comprehensive range of personal protective equipment.

2.2 Transporting the machine

Always switch off the power tool and unplug it from the power supply.

Always fit the scabbard over the blades before transporting the machine even for short distances.

For machines with adjustable cutter bar: Engage the cutter bar.

For machines with a defined transport position: Bring the cutter bar in transport position and have it engaged.

Carry the power tool properly balanced by the shaft – cutting blades behind you.



To reduce the risk of burn injury, do not touch the gear housing!

Transporting by vehicle: Properly secure the power tool to prevent turnover and damage.

2.3 Before Starting Work

Check that your power tool is properly assembled and in good condition – refer to appropriate chapters in the User Manual:

- Voltage and frequency of the machine (see rating plate) and the voltage and frequency of your power supply must be the same.
- Examine the connecting cord, power plug and extension cord for damage. Damaged cords, couplings and plugs or connecting cords that

do not comply with the regulations must not be used

- Extension cord sockets must be splash-proof
- To reduce the risk of stumbling, position and mark the connecting cord so that it cannot be damaged or endanger others
- Starting lockout lever and trigger switch must move freely – the switch must return to the idle position when it is released.
- Cutting blades must be properly tightened and in safe operating condition (clean, sharp, not bent or warped), correctly mounted and thoroughly sprayed with STIHL resin solvent (lubricant)
- For machines with adjustable cutter bar: The adjustment mechanism must be snapped into the start position
- For machines with a defined transport position (cutter bar folded against the shaft): Never start the machine in the transport position
- Never attempt to modify the controls or safety devices
- Keep the handles dry and clean – free from oil and dirt – this is important for safe control of the machine
- Adjust carrying harness and handles in accordance with body height. Observe the chapter "Fitting the Harness"

To reduce the risk of personal injury, do not operate your power tool if it is damaged or not properly assembled!

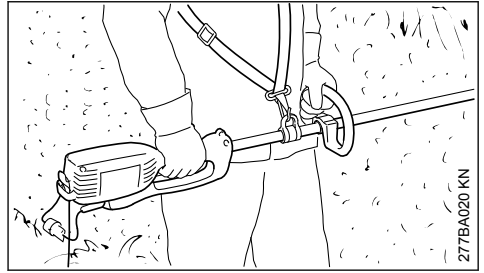
To prepare for emergencies when using a harness: Practice setting down the machine quickly. To avoid damage, do not throw the machine to the ground when practicing.

To reduce the risk of electric shock:

- Always connect the engine analyzer to a properly installed wall outlet.
- Any extension cords used must comply with the specifications for the particular application
- Check that the insulation of the power cord, extension cord, plug and coupling is in good condition

2.4 Holding and guiding the machine

Always hold the unit firmly with both hands on the handles.



Keep your right hand on the control handle and your left hand on the loop handle on the shaft – this applies to left-handed people as well. Wrap your fingers and thumbs around the handles.

Make sure you always have a good footing and hold the machine so that the cutting blades are always facing away from your body.

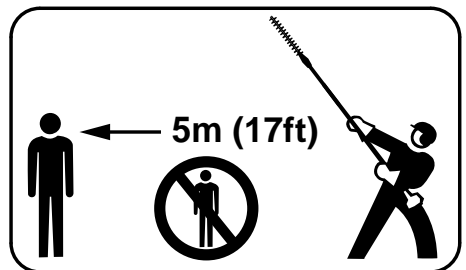
Some versions of the machine can be carried on a belt to relieve the weight on the operator's arms.

2.5 While working

In case of imminent danger or in an emergency, switch off the motor immediately – release the trigger switch and starting lockout.



Keep away from power cables – **danger of electrocution!**



To reduce the risk of injury from moving blades or falling cuttings, do not allow bystanders within 5 meters of your own position. This distance must also be maintained in relation to objects (vehicles, window panes) – **risk of property damage!**

Watch the cutting blades at all times – do not cut areas of the hedge that you cannot see.

Be extremely careful when cutting tall hedges, check the other side of the hedge before starting work.



The drive motor is not waterproof. **To reduce the risk of a short circuit or electrocution**, never work with the power tool in the rain or in wet or very damp locations.

Do not leave the power tool outdoors in the rain.

Take special care in slippery conditions – **damp, snow, ice**, on slopes or uneven ground!

Clear away fallen branches, scrub and cuttings.

Watch out for obstacles: tree stumps, roots – **risk of tripping or stumbling!**

Make sure you always have good balance and secure footing.

2.5.1 When working at heights:

- Always use a lift bucket
- never use the machine while standing on a ladder
- never work on an insecure support
- Never use the machine with just one hand

Be particularly alert and cautious when wearing hearing protection because your ability to hear warnings (shouts, alarms, etc.) is restricted.

Take breaks when you start getting tired or feeling fatigued – **risk of accidents!**

Work calmly and carefully – in daylight conditions and only when visibility is good. Proceed with caution, do not put others in danger.

The gear head becomes hot during operation. **To reduce the risk of burn injury, do not touch the gear housing!**

If the machine is subjected to unusually high loads for which it was not designed (e.g., heavy impact or a fall), always check that it is in good condition before continuing work - refer also to the chapter "Before starting work". Make sure the safety devices are working properly. Never use a power tool that is no longer safe to operate. In case of doubt, contact a dealer.

Inspect the hedge and work area to avoid damaging the cutting blades:

- Remove stones, rocks, pieces of metal and other solid objects
- Make sure that no sand or stones get between the cutter blades, e. g., when working close to the ground
- Take particular care when cutting hedges next to or against wire fences

Do not touch electric power lines – never cut through electric power lines – **risk of electrocution!**



Do not touch the cutting blades while the engine is running. If the cutting blades become jammed by thick branches or other obstructions, switch off immediately and disconnect the plug from the power supply before attempting to free the blades.

If the hedge is very dusty or dirty, spray the cutting blades with STIHL resin solvent from time to time during cutting. This will significantly reduce blade friction, the aggressive effects of sap and the build-up of dirt particles.

The dust that occurs during operation may be harmful to health. Wear a dust mask in case of dust formation.



If the power cord is damaged, immediately disconnect the plug from the wall outlet to avoid the **risk of electric shock**.

Never jerk the power cord to disconnect it from the wall outlet. To unplug, grasp the plug, not the cord.

Avoid damage to the power supply cord. Do not drive over it, pinch or tug it.

Position the connecting and extension cords correctly:

- Do not chafe on edges, pointed or sharp objects
- don't trap or squeeze the cord in or under doors or windows
- If cords are twisted – unplug the power tool and straighten them out
- Always avoid contact with the cutting attachment
- Always unwind the extension cord completely from the cable drum to reduce the risk of fire from overheating.

Before leaving the power tool unattended: Switch it off and disconnect the plug from the power supply.

Check the cutting blades at regular short intervals during operation or immediately if there is a noticeable change in cutting behavior:

- Switch off the motor; wait until the cutting blades have come to a standstill; unplug the power cord
- Check the condition and firm seat, watch out for fine cracks
- Ensure that the cutting blades are sharp

To replace the cutting blades, switch off the machine and unplug the power cord. **Risk of injury** from the motor starting unintentionally!

Always clean plant residue, chips, leaves and excess lubricant off the motor – **risk of fire!**

2.6 After finishing work

Always clean dust and dirt off the machine – do not use any grease solvents for this purpose.

Spray the cutting blades with STIHL resin solvent. Run the motor briefly so that the solvent is evenly distributed.

2.7 Vibrations

Prolonged use of the power tool may result in vibration-induced circulation problems in the hands (whitefinger disease).

No general recommendation can be given for the length of usage because it depends on several factors.

The period of usage is prolonged by:

- Hand protection (wearing warm gloves)
- Work breaks

The period of usage is shortened by:

- Any personal tendency to suffer from poor circulation (symptoms: frequently cold fingers, tingling sensations).
- Low outside temperatures.
- The force with which the handles are held (a tight grip restricts circulation).

Continual and regular users should monitor closely the condition of their hands and fingers. If any of the above symptoms appear (e.g. tingling sensation in fingers), seek medical advice.

2.8 Maintenance and Repairs

Always switch off the machine and disconnect the plug from the power supply before carrying out any maintenance work to **reduce the risk of injury** from the motor starting unintentionally.

Service the machine regularly. Do not attempt any maintenance or repair work not described in the instruction manual. Have all other work performed by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine. If you have any questions in this respect, consult a servicing dealer.

STIHL recommends the use of genuine STIHL replacement parts. They are specifically designed to match your machine model and meet your performance requirements.

Never attempt to modify your power tool in any way since this will increase the risk of personal injury.

Regularly check that the insulation of the power cord and plug is in good condition and shows no sign of ageing (brittleness).

Electrical components, e.g. power cord, may only be repaired or replaced by a qualified electrician.

Clean plastic components with a cloth. Do not use aggressive detergents. They may damage the plastic.

Do not spray the machine with water.

Check tightness of mounting screws on safety devices and the cutting attachment and retighten if necessary.

Clean cooling air inlets in motor housing as necessary.

Store the machine in a safe and dry place.

3 Using the Unit

3.1 Cutting season

Observe country-specific or municipal rules and regulations for cutting hedges.

Do not use your power tool during other people's rest periods.

3.2 Preparation

Use lopping shears or a chain saw to cut out thick twigs and branches first.

3.3 Cutting sequence

If a radical cut is necessary, cut a little at a time in several stages.

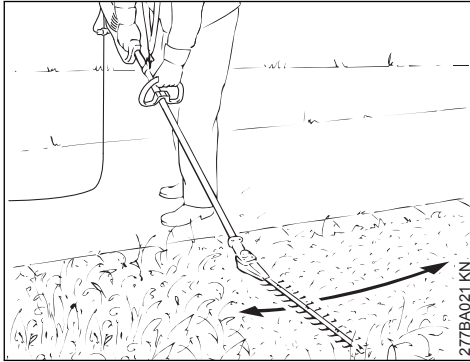
Cut the sides of the hedge first, then the top.

3.4 Disposal

Do not throw cuttings in the rubbish bin - they can be composted.

3.5 Working techniques

3.5.1 Horizontal cut (with angled cutter bar)



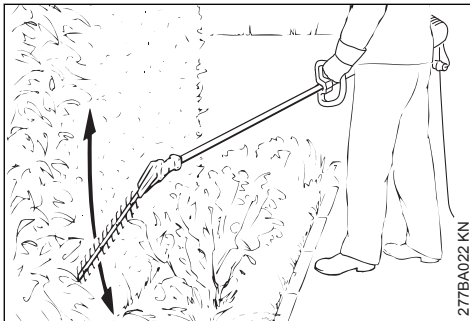
Cutting close to the ground from a standing position, e.g. low shrubs.



WARNING

The K variant is not approved for cutting near the ground.

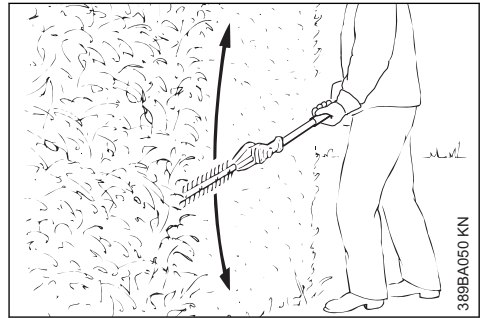
3.5.2 Vertical cut (with angled cutter bar)



Cutting without standing directly next to the hedge, e.g. flowerbed between operator and hedge.

Swing the cutter bar up and down in an arc as you move along the hedge – use both sides of the cutting blades.

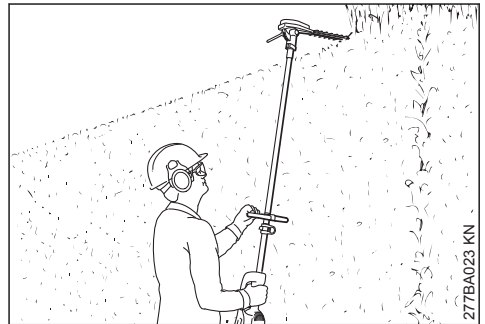
3.5.3 Vertical cut (with straight cutter bar)



Extra long reach without the need for other aids.

Swing the cutter bar up and down in an arc as you move along the hedge – use both sides of the cutting blades.

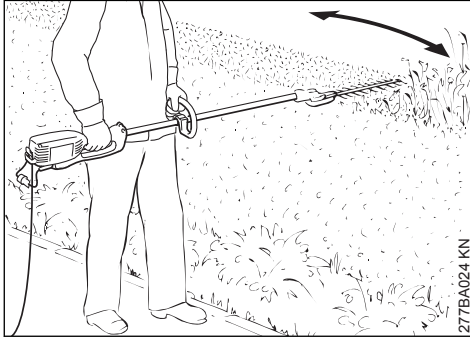
3.5.4 Top trimming (with angled cutting bar)



Hold and swing the hedge trimmer vertically, this results in a larger range.

**WARNING**

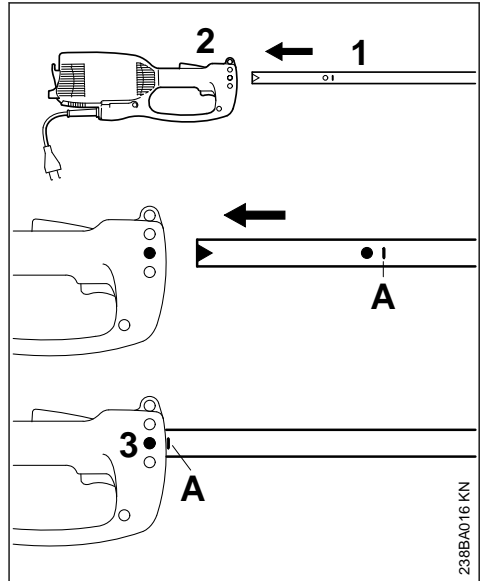
Overhead working positions are tiring and should be used only for short periods for reasons of work safety. Set the adjustable cutter bar to the most suitable angle so that the trimmer can be held in a lower, less tiring position while still providing adequate reach.

3.5.5 Horizontal cut (with straight cutter bar)

Cutting without standing directly next to the hedge, e.g. flowerbed between operator and hedge.

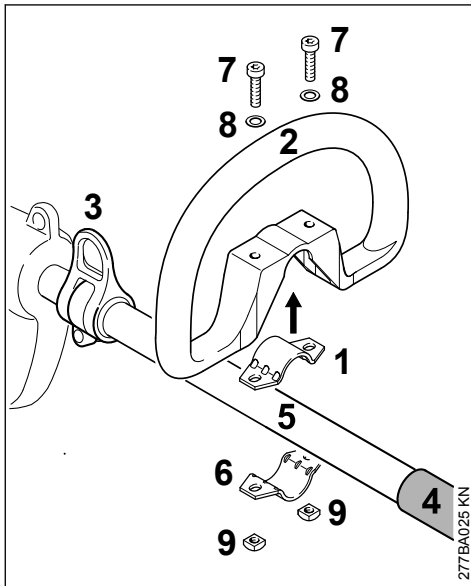
Hold the cutter bar at an angle of 0° to 10° as you swing the hedge trimmer horizontally.

Swing the blade in an arc towards the outside of the hedge so that the cuttings fall to the ground.

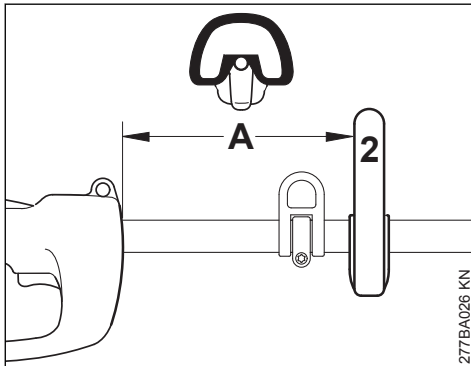
4 Mounting the Drive Tube

- ▶ Pull the protective cap off the drive tube.
- ▶ Push the drive tube (1) into the motor housing (2) as far as the mark (A), turning the drive tube back and forth at the same time.
- ▶ Tighten down the screw (3) in the housing firmly.

5 Mounting the Loop Handle



- Place the clamp (1) in the loop handle (2) and place it between the lifting eye (3) and the handle hose (4) on the shaft (5)
- Position the clamp (6) against the shaft
- Line up the holes
- Insert the screws (7) with washers (8)
- Fit the square nuts (9) and screws

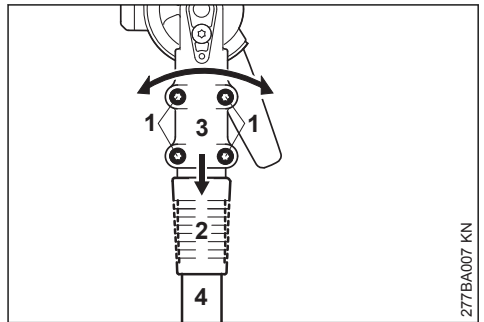


- Align the loop handle (2) and move it to the most comfortable position

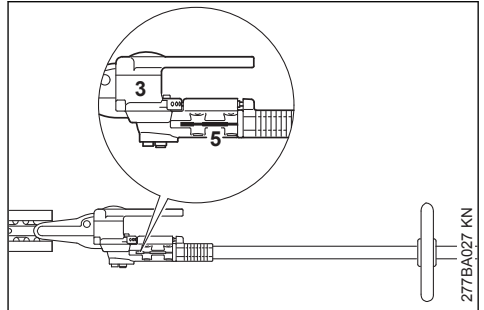
Distance (A) must not be more than 45 cm. Recommendation: about 35 cm

- Tighten screws

6 Mounting the Gearbox



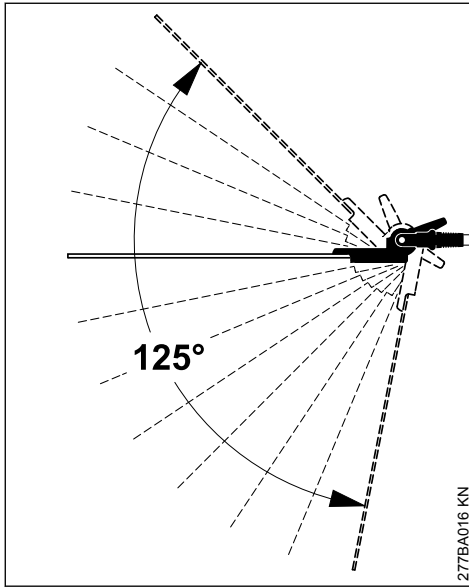
- Loosen the clamp screws (1)
- Line up the sliding sleeve (2) – it must be in line with the opening in the angle drive
- Push the gearbox (3) onto the drive tube (4), turn the gearbox back and forth as necessary



- Once the end of the drive tube is inserted beyond the slot in the clamp (5), push the gearbox fully home
- Screw in the clamping screws as far as possible
- Align the gear unit (3)
- Tighten clamping screws

7 Adjusting the Cutter Bar

7.1 Adjustment mechanism 125°



In this version, the angle of the cutting bar relative to the shaft is adjustable from 0° (completely straight) to 45° (in 4 stages upward) and to 80° (in 7 stages downward). Twelve individually adjustable working positions are possible.

Additionally, the cutting bar can be set to a defined transport position.

WARNING

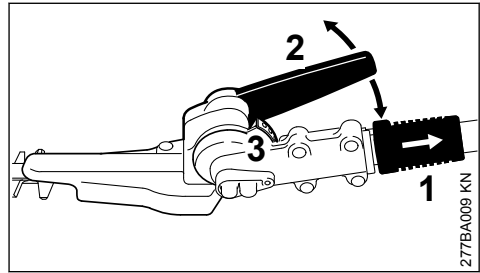
Make adjustments only when the cutting blades are at a standstill – motor switched off.

WARNING

The gearbox becomes hot during operation. Never touch the gear housing – **risk of burns!**

WARNING

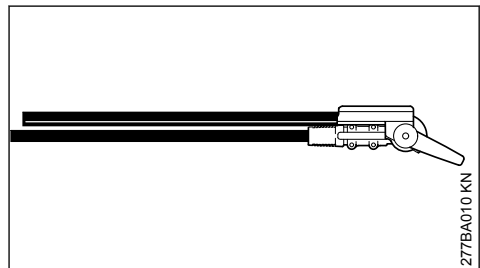
Never grab the blade when making adjustments – **risk of injury!**



- Pull back the sliding sleeve (1) and use the lever (2) to move the joint by one or more holes in the perforated strip
- Release the sliding sleeve (1) again and allow the bolt to engage in the perforated strip (3)

When the bolt is engaged (after completion of adjustment), the sliding sleeve will be flush with the housing again.

7.2 Transport position



For compact transport of the machine, in this version, the cutter bar can be swung parallel to the shaft and locked in this position.



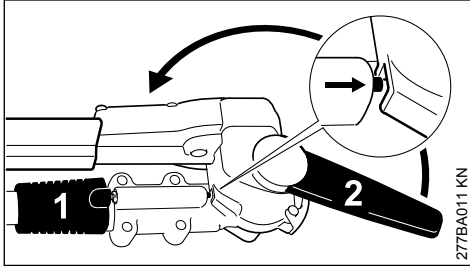
WARNING

The cutter bar must only be moved from working position into transport position or the other way around when the motor is switched off and the blades are covered by the blade guard.



WARNING

The gearbox becomes hot during operation. Never touch the gear housing – **risk of burns!**



- ▶ Switch off the motor
- ▶ Slide on the blade guard
- ▶ Pull back the sliding sleeve (1) and use the lever (2) to pivot the joint upward toward the shaft until the cutter bar is parallel to the shaft
- ▶ Release the sliding sleeve (1) again and allow the bolt to engage in the position provided for this in the housing

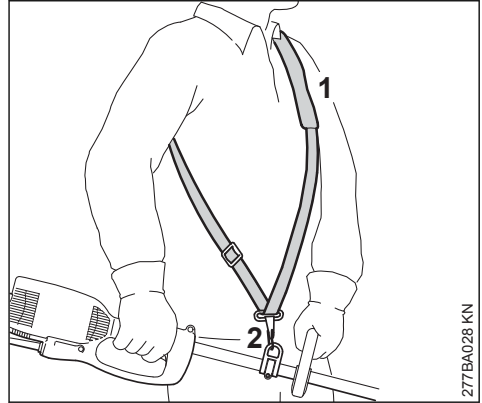
When the bolt is engaged (after completion of adjustment), the sliding sleeve will be flush with the housing again.

8 Fitting the Harness

Some versions of the machine can be carried on a harness.

The type and version of the harness depend on the market.

8.1 Shoulder strap



- ▶ Put on the shoulder strap (1)
- ▶ Adjust the length of the strap so that the carabiner (2) is about a hand's width below your right hip

9 Connecting to Power Supply

The voltage and frequency of the machine (see rating plate) must match the voltage and frequency of the power connection.

The minimum fuse protection of the power connection must comply with the specifications – see "Specifications".

The machine must be connected to the power supply via an earth-leakage circuit breaker to disconnect the power supply if the differential current to earth exceeds 30 mA.

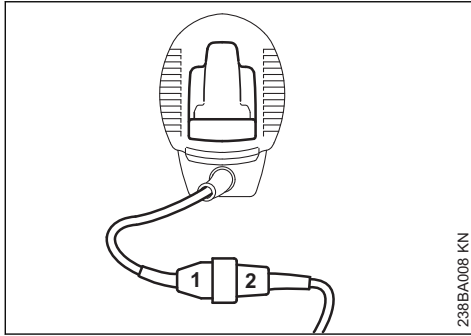
The power connection must correspond to IEC 60364 and relevant national regulations.

9.1 Extension cord

The design of the extension cord must at least fulfill the same features as the connecting cord on the machine. Observe the design marking (type designation) on the connecting cord.

The cores in the cord must have the following minimum cross-section depending on the mains voltage and cord length.

Cord length	Minimum cross-section
220 V – 240 V:	
Up to 20 m	1.5 mm ²
20 m to 50 m	2.5 mm ²
100 V – 127 V:	
Up to 10 m	AWG 14 / 2.0 mm ²
10 m to 30 m	AWG 12 / 3.5 mm ²

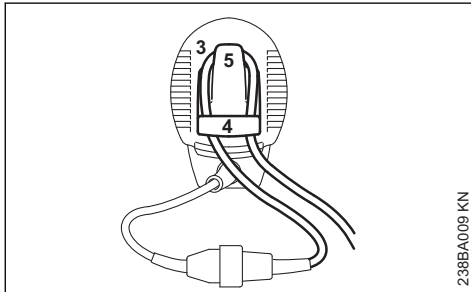


238BA008 KN

- Insert the plug (1) into the extension cord coupling (2)

9.2 Strain relief clamp, strain relief flap (supports extension cord and reduces the likelihood of disconnection of extension cord receptacles and trimmer plug)

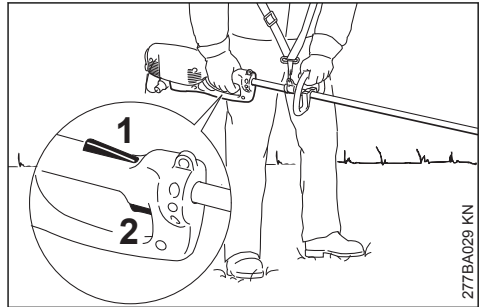
The strain relief (cable retainer) protects the connecting cable from damage.



238BA009 KN

- make a loop (3) in the extension cord
- Pass the loop (3) through the opening (4)
- Slip the loop (3) over the hook (5) and pull it tight
- Plug the extension cord into a properly installed outlet

10 Switching On



277BA029 KN

- make sure you have a firm and secure stance
- Hold your unit with both hands – right hand on the control handle – left hand on the loop handle
- Stand upright – hold the unit in a relaxed position and always on right side of your body.
- The cutting attachment must not touch any objects or the ground
- Press down the starting lockout lever (1) and hold it in that position
- Squeeze the trigger switch (2) and hold it in that position

11 Switching Off

- Release the trigger switch and starting lockout lever.

**WARNING**

Note that the cutting attachment continues to run for a short period after you let go of the throttle trigger and starting lockout lever – **flywheel effect**.

During longer work breaks – disconnect the plug from the power supply.

When the machine is not in use, shut it off so that it does not endanger others.

Secure it against unauthorized use.

12 Overload Cutout

The machine is equipped with an overload cutout.

The overload cutout disconnects the power supply in the event of mechanical overload, e. g., due to

- Excessive feed effort
- "Killing" of the motor speed
- Pinching of the trimmer blades in the cut

If the overload cutout has disconnected the power:

- Remove the trimmer blades from the cut
- Wait for approx. 3 minutes until the overload cutout has cooled down

Do not switch on the machine during this time, because this substantially extends the cooling down period.

Once the machine starts again:

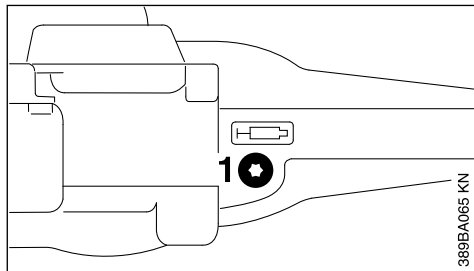
- Let the machine run for approx. 15 seconds without load – this cools the windings of the motor and substantially delays renewed triggering of the overload cutout

13 Lubricating the Gearbox



13.1 Blade drive

For the blade drive, use STIHL gear lubricant for hedge trimmers (special accessory).



- Check lubricant filling periodically and after approx. every 25 hours of operation
- Unscrew the locking screw (1) – if no lubricant is visible on the inside of it, then screw in the lubricant tube
- Squeeze up to 5 g of lubricant into the gear unit

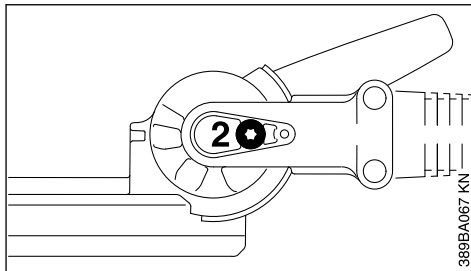
NOTICE

Do not completely fill the gear unit with lubricant.

- Unscrew lubricant tube
- Refit locking screw (1) and tighten securely

13.2 Angle drive

For the angle drive, use STIHL gear lubricant for hedge trimmers (special accessory).



- Check lubricant filling periodically and after approx. every 25 hours of operation
- Unscrew the locking screw (2) – if no lubricant is visible on the inside of it, then screw in the lubricant tube
- Squeeze up to 5 g of lubricant into the gear unit

NOTICE

Do not completely fill the gear unit with lubricant.

- Unscrew lubricant tube
- Refit locking screw (2) and tighten securely

14 Storing the Machine

If not used for periods of about 30 days or longer

- Clean cutting blades, check condition and spray with STIHL resin solvent
- Attach blade scabbard
- Thoroughly clean the machine, especially the ventilation slots
- Using the built-in ring on the bottom of the motor housing, store the machine in a dry, secure place. Keep out of the reach of children and other unauthorized persons

15 Sharpening Instructions

When cutting performance and behavior begin to deteriorate, i.e. blades frequently snag on branches: Resharpener the cutting blades.

It is best to have the cutting blades resharpened by a dealer on a workshop sharpener. STIHL recommends a STIHL servicing dealer.

It is also possible to use a flat crosscut sharpening file. Hold the sharpening file at the prescribed angle (see "Specifications").

- Only sharpen the cutting edge – do not file blunt projecting parts of the cutting blade or the cutting blade guard (see "Main Parts and Controls")
- Always file towards the cutting edge.
- The file only sharpens on the forward stroke – lift it off the blade on the backstroke.

- Use a whetstone to remove burr from cutting edge.
- Remove as little material as possible.
- After sharpening, clean away filing or grinding dust and then spray the cutting blades with STIHL resin solvent.

NOTICE

Do not operate your machine with dull or damaged cutting blades. This may cause overload and will give unsatisfactory cutting results.

16 Maintenance and Care

The following intervals apply to normal operating conditions only. If your daily working time is longer or operating conditions are difficult (very dusty work area, etc.), shorten the specified intervals accordingly.		before starting work	after finishing work or daily	weekly	monthly	every 12 months	if problem	if damaged	as required
Complete machine	Visual inspection	X							
	Clean		X						
Cooling air inlet	Visual inspection		X						
	Clean								X
Cutting blades	Visual inspection	X							
	Clean ²⁾		X						
	Sharpen ¹⁾²⁾								X
	Have replaced by servicing dealer ¹⁾						X		
Gearbox lubrication	Check			X					
	Replenish								X
Carbon brushes.	Have checked by servicing dealer ¹⁾ after every 100 hours of operation								
	Have replaced by servicing dealer ¹⁾								X
All accessible screws and nuts	Retighten								X
Safety labels	Replace							X	
¹⁾ STIHL recommends an authorized STIHL servicing dealer.									
²⁾ Spray with STIHL resin solvent after cleaning									

17 Minimize Wear and Avoid Damage

Observing the instructions in this manual helps reduce the risk of unnecessary wear and damage to the power tool.

The power tool must be operated, maintained and stored with the due care and attention described in this instruction manual.

The user is responsible for all damage caused by non-observance of the safety precautions, oper-

ating and maintenance instructions in this manual. This includes in particular:

- Alterations or modifications to the product not approved by STIHL.
- Using tools or accessories which are neither approved or suitable for the product or are of a poor quality.
- Using the product for purposes for which it was not designed.
- Using the product for sports or competitive events.

- Consequential damage caused by continuing to use the product with defective components.

17.1 Maintenance Work

All the operations described in the "Maintenance Chart" must be performed on a regular basis. If these maintenance operations cannot be performed by the owner, they should be performed by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

If these maintenance operations are not carried out as specified, the user assumes responsibility for any damage that may occur. Among other things, this includes:

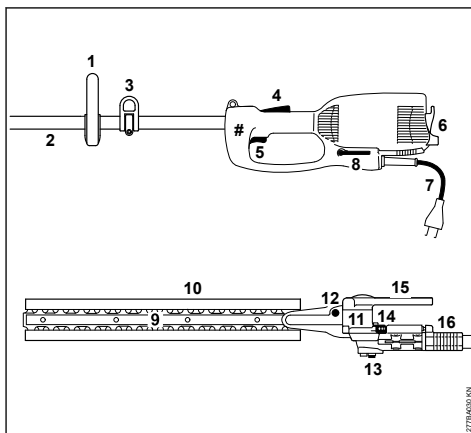
- Damage to the motor due to neglect or deficient maintenance (e.g. not cleaning cooling air inlets).
- Damage due to incorrect electrical connection (voltage, inadequately rated connecting cords).
- Corrosion and other consequential damage resulting from improper storage.
- Damage to the product resulting from the use of poor quality replacement parts.

17.2 Parts Subject to Wear and Tear

Some parts of the power tool are subject to normal wear and tear even during regular operation in accordance with instructions and, depending on the type and duration of use, have to be replaced in good time. Among other parts, this includes:

- Cutting blades

18 Main Parts



- 1 Loop handle
- 2 Drive tube
- 3 Carrying ring (HLE 71)
- 4 Starting lockout
- 5 Switch
- 6 Strain relief (cord retainer)
- 7 Power cord
- 8 Angle screwdriver
- 9 Cutting blades
- 10 Blade guard (scabbard)
- 11 Gearbox
- 12 Screw plug, blade drive
- 13 Screw plug, angle drive
- 14 Quadrant
- 15 Adjusting lever
- 16 Sliding sleeve
- # Serial number

19 Specifications

19.1 Motor

Rated voltage:	230 - 240 V
Rated current:	2.6 A
Frequency:	50 Hz
Power consumption:	600 W
Fuse:	min. 10 A
Protection class:	II, □

19.2 Cutting blades

Blade type:	Double-sided
Sharpening angle relative to horizontal:	45°

Tooth spacing:	35 mm
Stroke rate:	4000 rpm
Cutting length:	500 mm

19.3 Length

Total length with cutting blades

HLE 71:	2540 mm
HLE 71 K:	2110 mm

19.4 Weight

complete, with gearbox

HLE 71:	5.9 kg
HLE 71 ¹⁾ :	6.5 kg
HLE 71 K:	5.6 kg
HLE 71 K ¹⁾ :	6.2 kg

¹⁾Version with 10 m power cord for Great Britain

19.5 Sound and vibration levels

Sound and vibration levels are determined on the basis of the operating status at nominal maximum speed.

For further details concerning compliance with the employers' Directive on vibration 2002/44/EC, see www.stihl.com/vib/

19.5.1 Sound pressure level L_p to EN 60745-2-15

HLE 71:	84 dB(A)
HLE 71 K:	85 dB(A)

19.5.2 Sound power level L_w to EN 60745-2-15

HLE 71:	95 dB(A)
HLE 71 K:	96 dB(A)

19.5.3 Vibration level a_{hv} to EN 60745-2-15

HLE 71:

Left handle:	7.6 m/s ²
Right handle:	3.6 m/s ²

HLE 71 K:

Left handle:	6.9 m/s ²
Right handle:	4.3 m/s ²

The K-factor in accordance with Directive 2006/42/EC is 2.0 dB(A) for the sound pressure level and sound power level; the K-factor in accordance with Directive 2006/42/EC is 2.0 m/s² for the vibration level.

The vibration values quoted above have been measured according to a standardized test procedure and may be used to compare electric power tools.

Depending on the type of usage, the vibrations that actually occur may differ from the values quoted.

The vibration values quoted may be used for an initial assessment of the user's exposure to vibrations.

The actual exposure to vibrations has to be evaluated. This process may also take into account times during which the electric power tool is switched off and times during which it is switched on but running without load.

Observe measures to reduce vibration exposure to protect the user – see section on "Vibrations" in chapter on "Safety Precautions and Working Techniques".

19.6 REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorization and Restriction of Chemical substances.

For information on compliance with the REACH regulation (EC) No. 1907/2006 see

www.stihl.com/reach


20 Maintenance and Repairs

Users of this machine may only carry out the maintenance and service work described in this user manual. All other repairs must be carried out by a servicing dealer.

STIHL recommends that you have servicing and repair work carried out exclusively by an authorized STIHL servicing dealer. STIHL dealers are regularly given the opportunity to attend training courses and are supplied with the necessary technical information.

When repairing the machine, only use replacement parts which have been approved by STIHL for this power tool or are technically identical. Only use high-quality replacement parts in order to avoid the risk of accidents and damage to the machine.

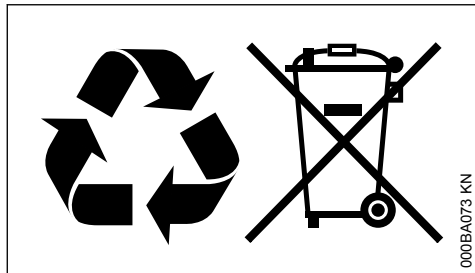
STIHL recommends the use of original STIHL replacement parts.

Original STIHL parts can be identified by the STIHL part number, the **STIHL** logo and the STIHL parts symbol  (the symbol may appear alone on small parts).

21 Disposal

Contact the local authorities or your STIHL servicing dealer for information on disposal.

Improper disposal can be harmful to health and pollute the environment.



- ▶ Take STIHL products including packaging to a suitable collection point for recycling in accordance with local regulations.
- ▶ Do not dispose with domestic waste.

22 EC Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declare under our sole responsibility that

Designation: Long Reach Electric Hedge Trimmers
Make: STIHL
Series: HLE 71:
HLE 71 K:
Serial identification number: 4813

conforms to the relevant provisions of Directives 2011/65/EU, 2006/42/EC, 2014/30/EU and 2000/14/EC and has been developed and manufactured in compliance with the following standards in the versions valid on the date of production:

EN 55014-1, EN 55014-2, EN 60745-1,
EN 60745-2-15, EN 61000-3-2, EN 61000-3-3,
EN ISO 10517

The measured and the guaranteed sound power level have been determined in accordance with Directive 2000/14/EC, Annex V, and standard ISO 11094.

Measured sound power level

95 dB(A)

Guaranteed sound power level

97 dB(A)

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG
Produktzulassung

0458-277-0121-B

The year of construction, the country of manufacture and the machine number are shown on the machine.

Done at Waiblingen, 15.07.2021

ANDREAS STIHL AG & Co. KG

pp

Dr. Jürgen Hoffmann

Director Product Certification & Regulatory Affairs



23 UKCA Declaration of Conformity

ANDREAS STIHL AG & Co. KG
Badstr. 115
D-71336 Waiblingen

Germany

declare under our sole responsibility that

Designation: Long Reach Electric Hedge Trimmers
Make: STIHL
Series: HLE 71:
HLE 71 K:
Serial identification number: 4813

conforms to the relevant provisions of UK regulations The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016 and Noise Emission in the Environment by Equipment for Use Outdoors Regulations 2001 and has been manufactured in compliance with the following standards in the versions valid on the date of production:

EN 55014-1, EN 55014-2, EN 60745-1,
EN 60745-2-15, EN 61000-3-2, EN 61000-3-3,
EN ISO 10517

The measured and guaranteed sound power levels were determined in accordance with the UK regulation Noise Emission in the Environment by Equipment for Use Outdoors Regulations 2001, Schedule 8, using the ISO 11094 standard.

Measured sound power level

95 dB(A)

Guaranteed sound power level

97 dB(A)

Technical documents deposited at:

ANDREAS STIHL AG & Co. KG

The year of construction, the country of manufacture and the machine number are shown on the machine.

Done at Waiblingen, 15.07.2021

ANDREAS STIHL AG & Co. KG

pp



Dr. Jürgen Hoffmann

Director Product Certification & Regulatory Affairs



24 General Power Tool Safety Warnings

This chapter reproduces the pre-formulated, general safety precautions specified in the EN 60745 European standard for hand-held motor-operated electric tools. **STIHL is required by law to print these standardized texts verbatim.**

The safety precautions and warnings on avoiding an electric shock given under "2) Electric Precautions" do not apply to STIHL cordless electric power tools



Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

24.1 1) Work area safety

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

24.2 2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** 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 tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. 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 tool 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 tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

24.3 3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as 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 tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves 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.

24.4 4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b) **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have**

the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

- f) **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) **Use the power tool, accessories, tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

24.5 5) Service

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

24.6 Hedge Trimmer Safety Warnings

- **Keep all parts of the body away from the cutting blades. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material.** A moment of inattention while operating the hedge trimmer may result in serious personal injury.
- **Carry the hedge trimmer by the handle with the cutting blades stopped. When transporting or storing the hedge trimmer always fit the blade scabbard.** Proper handling of the hedge trimmer will reduce possible personal injury from the cutting blades.
- **Always hold your electric power tool by the insulated handles because the cutting blades may contact hidden electrical wires or your own power cord.** Any blade contact with a live wire may energize metallic parts of the power tool and result in an electric shock.
- **Keep the power cord away from cutting area.** During operation the power cord may be hidden in shrubs and can be accidentally severed by the blade.

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