

# Operation Manual

## 5 in 1 Multifunction Petrol Tool Grass Trimmer/Hedge Trimmer/Pole-mounted Pruner/Brush Cutter

61494

**XPO** <sup>the</sup> **tool**  
experts



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



The information contained in this document may alter at any time without previous notice. It is prohibited to copy or spread any parts of this document in any way without prior written allowance. All rights reserved.

The WilTec Wildanger Technik GmbH cannot be held accountable for any possible mistakes in this operating manual, nor in the diagrams and figures shown.

Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

Send an e-mail to:

[service@wiltec.info](mailto:service@wiltec.info)

or use our contact form:

<https://www.wiltec.de/contacts/>

The most recent version of this manual in various languages can be found in our online shop via:

<https://www.wiltec.de/docsearch>

Our postal address is:

WilTec Wildanger Technik GmbH  
Königsbenden 12  
52249 Eschweiler  
Germany

To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

Returns Department  
WilTec Wildanger Technik GmbH  
Königsbenden 28  
52249 Eschweiler

E-mail: **service@wiltec.info**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15



## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.** Keep these operation instructions safe.

## Safety symbols

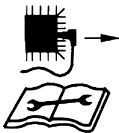
These instructions show symbols that indicate dangers. The safety symbols and their corresponding explanations must be fully understood. However, just reading the warnings does not reduce any danger and does not excuse the user from the respect of all safety regulations.



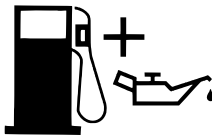
Read the operating instructions and follow all warning and safety instructions. Before each use, observe relevant sections in this manual.



Complies with the European regulations applicable to this product.



Before carrying out maintenance and repair work, switch off the engine and pull out the spark plug!



Pay attention to the correct dosage when handling fuel and lubricants!



Protect from rain and moisture!



Risk of burns from hot surfaces and exhaust gases! Do not touch!



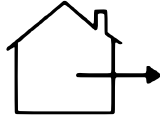
Risk of injury from parts ejected! Always keep a sufficient safety distance!



Starting the engine will cause sparks. Sparks can ignite flammable substances nearby.



Motors emit carbon monoxide, an odourless, colourless poison gas. Inhaling carbon monoxide can cause nausea, fainting, or even death.



Do not use the machine in closed or poorly ventilated rooms. Risk of poisoning!



Do not smoke while using the product and keep it away from other sources of heat and ignition.



Always wear hearing protection, eye protection and gloves when using the product.



Always wear protective clothing when using the product.



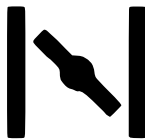
Always wear non-slip shoes when using the product.



Operate the primer 6 times before use to ensure that there is sufficient gasoline in the gasoline line.



Wear head protection when using the product!



Throttle valve closed (cold start)



Throttle valve open (operating position)



Danger from electrical overhead lines! Always make sure that the pole pruner has sufficient distance from near power lines when it is used. The distance between the machine and bystanders should be at least 15 m.

These instructions for use are part of the product as they contain important information for the safe use of the device. They must therefore be kept close to the device and must always be at hand. Everyone wanting to use, repair or maintain the product must have read and understood the content of this manual. Keep it in a safe place and ensure that they are handed out with the device when you give it to someone else. The device designed for use in agriculture, forestry, and horticulture, must always be used in accordance with the manufacturer's instructions, which you will find in these operating instructions. **Improper use or modification of the product can result in damage to the device and its surroundings as well as very serious injuries for which the manufacturer cannot be held liable.**



## Safety precautions

### *General safety precautions*

- Read the instructions carefully before use and familiarize yourself with the controls and the proper use of the device.
- This device is not intended for use by children or adolescents, or by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge.
- Local occupational health and safety regulations to avoid noise pollution can restrict the use of the device. You should therefore observe the prescribed rest periods.
- Keep pets and other people, especially children, away from the work area to avoid distractions and endanger bystanders. The user is responsible for the people in his work area and for their property.
- Bystanders must keep a safe distance of 15 m while the device is in use.
- Major repairs may only be carried out by specialists.

### *Safety of preparation*

- Observe the following information when handling fuels, as they are highly flammable.
  - Only store fuel in the containers provided for it.
  - Only refuel the device outdoors, do not smoke near the device, and keep it away from other sources of heat and ignition.
  - Before each use, check the fuel level and make sure that there is enough fuel. If necessary, add fuel before starting the engine.
  - Never remove the cover of the fuel tank when the engine is running or the device is still hot.
  - With gasoline spilled do not operate the engine under any circumstances. Move the device away from the area and avoid it until the highly flammable gasoline fumes have dissipated.
  - Check the tank cap and the other sealing caps regularly to ensure that they are intact. Do not use the product if any of the caps are damaged or worn; in this case replace them first.
  - The multi-function tool is equipped with a four-stroke engine and therefore requires lubricating oil before use.
- Visually inspect the device before each use and do not use with parts worn or damaged. Replace these parts only as a set and only use identical spare parts of the same quality that have been approved by the manufacturer.
- Do not wear large or loose clothing or jewellery. These can get caught in the starter or other moving parts.
- Make sure that the ventilation openings are not covered or blocked. Under no circumstances you should insert objects into it.
- If the device is used in heat, at high altitudes or in high humidity, the power must be reduced in order to ensure that the device functions properly and has a long service life.

### *Safety of operation*

- Never use the device in closed rooms or with insufficient ventilation. The running engine emits carbon monoxide, which can cause serious poisoning.
- Keep the machine free from oil, dirt and other contaminants. Do not clean it with the engine running and wait until it has cooled down completely after use. We recommend a damp cloth for cleaning.
- Only set up the device on stable and level surfaces from which it cannot fall.
- Make sure that both muffler and air filter are working properly as these parts act as flame retardants in the event of a misfire.
- Avoid touching the exhaust system and other parts that become hot when using, in order to prevent burns. Pay attention to the warning notices on the product.
- Do not modify the device structurally and do not operate it at too high a speed, as this affects the longevity of the product and means an increased risk of injury.
- Check the fuel system of the device regularly for leaks and signs of wear, e.g., porous areas on hoses, damage to the tank or missing clamps. Also, make sure that all parts are in good condition before using the device.



- Always make sure that your workplace is adequately lit.
- Do not pick up the machine with the engine running; only move it to another location when it is turned off and cooled down.
- Always switch off the engine when not in use and before refuelling, cleaning, maintenance and repair work and let the device cool down first.
- Before checking or adjusting the machine, pull the spark plug or ignition wire to prevent accidental start-up.
- Do not use the device when you are tired, under the influence of alcohol, drugs, or medicine.
- Observe the locally applicable regulations. These could limit the use or the duration of use of the multifunction device.
- When working with the device, always wear face and ear protection as well as non-slip safety shoes with steel caps and cut protection gloves. Never operate the device barefoot or with open, loose, or otherwise unsuitable shoes.
- When working with the device, always ensure that you have a firm and secure footing.
- The device is designed for two-handed operation. Hold the handle firmly with both hands and never work with just one hand. Always use the shoulder strap when working and never let go of the device while the engine is running.
- Always use the blades and bobbins recommended by the manufacturer.
- Regularly inspect the device and check it for damage if it has been dropped or subjected to impacts.
- Stand up straight and take regular breaks so that you no longer put too much strain on yourself.

#### *Safety of maintaining, cleaning, and transporting*

- Store the device in a dry place and out of the reach of children. Also protect it from rain and moisture when in use.
- Never store the device filled with petrol in surroundings in which escaping vapours could be ignited by sparks or open sources of ignition.
- Before storing, wait until the device has cooled down completely.
- To reduce the risk of fire, keep the storage area free of easily inflammable materials.
- Replace worn or damaged parts, and do not attempt to repair them.
- Never use the device without the corresponding protective plates.
- If the fuel tank needs to be emptied, do so only outdoors; escaping vapours mean both a fire and a health hazard.
- Clean and maintain the device before storing it. Also make sure that all nuts and bolts are properly tightened.
- Store the blades of the device in a dry place to avoid rust formation; do not use rusty or unsharp blades as this will reduce performance and increase the risk of injury.
- To be able to transport the device, please note the following:
  1. Switch the device off and let it cool down.
  2. Remove the spark plug to prevent the device from starting accidentally.
  3. Wear cut protection gloves to remove the blade.
  4. Only carry the device by the handles. Place it in the vehicle so that it cannot tip over and the blades cannot injure anyone. With the device tipping over, fuel could leak or people near the device could be injured.

### **Residual dangers and safety precautions**

#### *Mechanical residual dangers*

- Cuts, incisions: String and blade may cause severe incisions. Watch out for persons and animals not to stay in the work area.
- Catching, winding, coiling: Wires and cords may be caught by the blade or the string coil and may both damage the machine and cause injury. Remove any foreign objects from the area to be mown prior to getting down to work.
- Kickback: Strong kickbacks may occur on the blade working thick shrubbery. If the blade gets stuck, backlashes may occur in the extension tube. Do not work on thick shrubbery with the machine. Cut at sufficient speed or avoid jamming of the blade.



### *Dangers due to inattention and overestimation*

- Negligent refusal to put on protective clothing: Refraining from wearing protective clothing can lead to very serious injuries. Always wear all required parts of protective clothing.
- Distraction, wrong behaviour: A lack of concentration at work can have serious consequences. Always be vigilant and focus on your work.

### *Dangers due to burns*

Contact with the exhaust may cause burns. Let the exhaust cool down after the use.

### *Dangers due to noise*

Hearing impairment: Frequent/long work with the brush cutter without ear protectors may result in hearing impairment. Always wear ear protectors.

### *Dangers due to excessive heat*

- Aspiration: Flue gases may be health hazardous. Use the machine only outside.
- Fire or explosion: Fuel mix is flammable. Do not smoke and do not handle open fire in the course of work and refuelling.

### *Dangers due to vibrations*

Prolonged work with the unit may produce adverse effects on the human organism due to vibrations. Take regular breaks.

### *Other dangers*

- Objects in the work area: Small objects such as stones or pieces of wood can be ejected if they come into contact with the device. Make sure that no other people or animals are in the work area. Wear suitable protective clothing.
- Slips, trips or falls: Falls can lead to very serious injuries. Wear non-slip shoes, make sure you stand securely and always stay alert and focused.

Parts lists

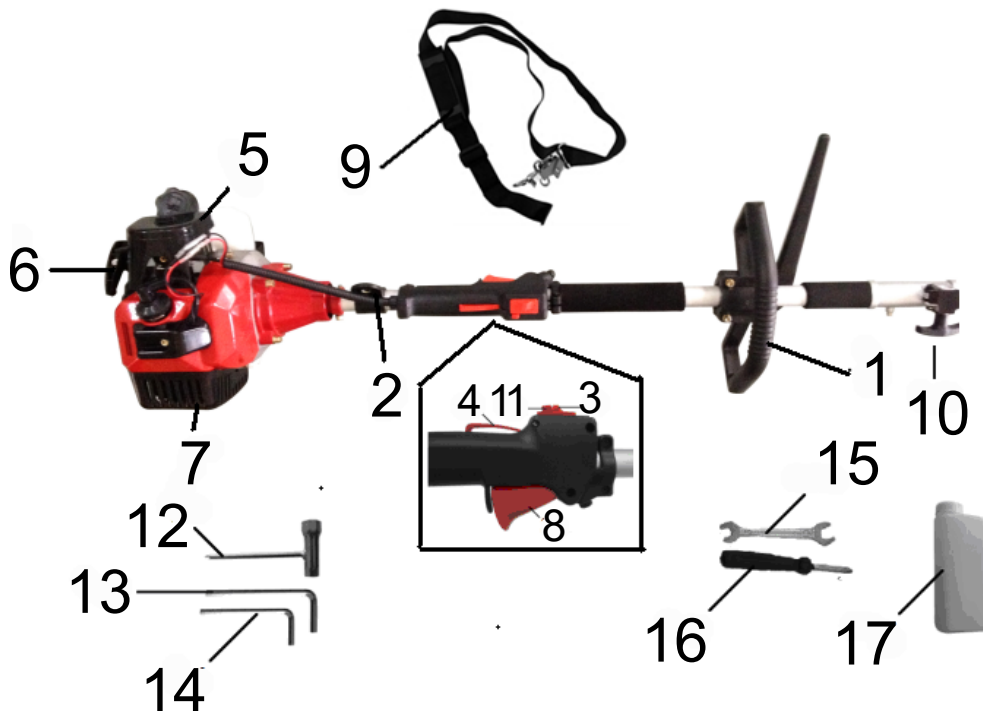
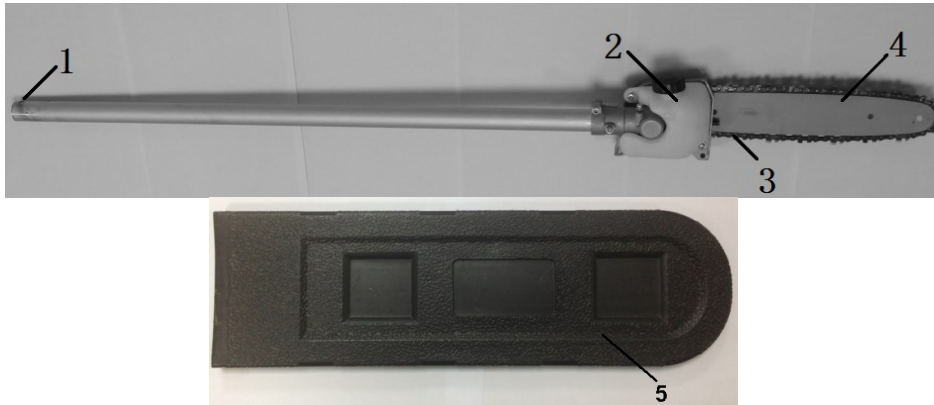


Figure 1: driving unit

Nº	Name	Nº	Name
1	Front handle	10	Fast coupling
2	Harness loop hope	11	Throttle lock
3	Stop switch	12	Socket spanner
4	Throttle trigger lock	13	S5 Allen key (5 mm)
5	Air filter	14	S4 Allen key (4 mm)
6	Start handle	15	Open-end wrench
7	Fuel tank	16	Screwdriver
8	Throttle trigger	17	Measuring beaker for fuel mixture
9	Shoulder harness		



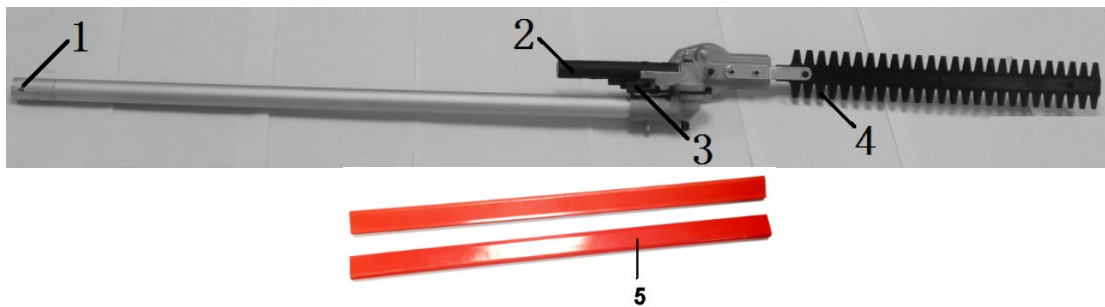
*Pole pruner*



Figures 2 and 3

Nº	Name	Nº	Name
1	Lock hole	4	Guide bar
2	Oil tank	5	Cutting cover
3	Chain		

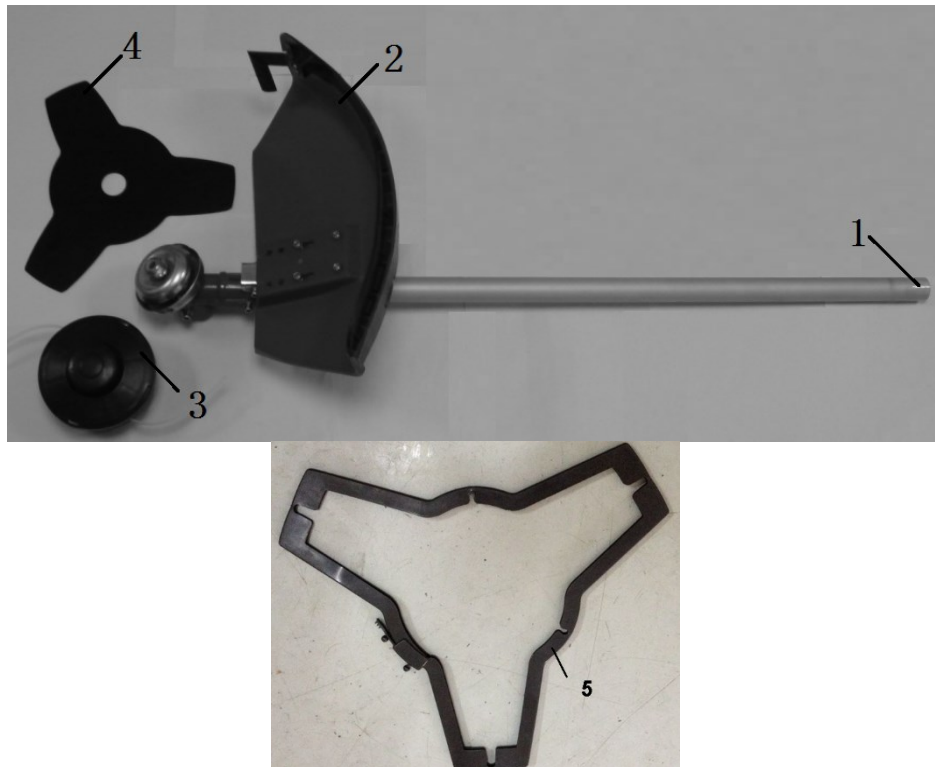
*Hedge trimmer*



Figures 4 and 5

Nº	Name	Nº	Name
1	Lock hole	4	Cutting unit
2	180° cutting unit adjusting lever	5	Cutting cover
3	Lever lock		

Grass trimmer and brush cutter



Figures 6 and 7

No	Name	No	Name
1	Lock hole	4	Metal blade
2	Guard	5	Cutting cover
3	String coil		

**Technical specifications**


Motor	
Motor type	Air-cooled 2-stroke 1-cylinder petrol motor
Max. power (kW)	1.3 (1.76 hp)
Max. rotation speed (1/min)	6500
Fuel tank capacity (l)	1.2
Ignition	Capacitor discharging ignition (CDI)
Mixing ratio	1:25 (oil:petrol)
Weight (kg)	12.5
Brush cutter	
Size (mm)	255×1.4×25.4
Trimmer	
Cutting width (mm)	460



Pole/chain saw	
Length (mm)	400
Cutting length (mm)	300
Chain pitch (inch)	3/8
Drive link width (mm)	0.050
Hedge trimmer	
Cutting length (mm)	400
Working height (mm)	2200
Extension pole (cm)	30
Saw blade teeth (number)	40

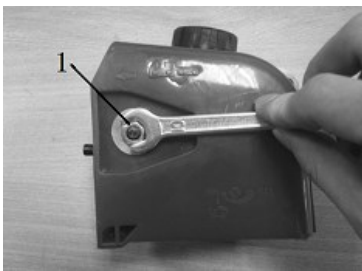
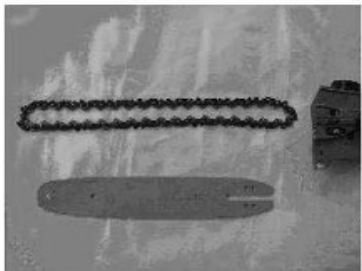
## Assembly

### Assembling the driving unit

	Delivered parts/accessories	Assembly
	<b>Fig. 1-point 1</b>	With the S4 Allen key, fix the handle to the driving unit using the 4 bolts and nuts supplied.

### Assembling the pole pruner

**Caution!** The blades are very sharp. Always wear safety gloves when install or remove the blade.

	Delivered parts/accessories	Assembly
	<b>Fig. 2-point 3</b> <b>Fig. 2-point 4</b>	1. First loosen the blade nut ( <b>1</b> ) using the open-end wrench included in the scope of delivery and remove the cover.
		2. Dispose the chain and guide bar.



	<p>3. Loop the chain around the bar and insert it into the machine.</p>
	<p>4. When assembling, pay attention to the running direction of the chain.</p>
	<p>5. Replace the cover and secure it using the blade nut (<b>1</b>). Then adjust the tension of the chain accordingly.</p>

*Assembling the brush cutter*

	Delivered parts/accessories	Assembly
	<p><b>Fig. 6-point 2</b> <b>Fig. 6-point 4</b></p>	<p>1. Dispose all accessories first (pole, guard, metal blade, 4 screws and nuts).</p>
		<p>2. Fasten the guard using the 4 screws and nuts. Use the included S5 hexagon wrench (<b>5</b>) and the open-end wrench.</p>



	<p>3. Insert the supplied Allen key (5) into the hole (1) and loosen the nut with the socket wrench (6) by turning it clockwise.</p>
	<p>4. Remove the flange (2), cover (3) and nut (4).</p>
	<p>5. Attach the blade to the drive shaft. Then fasten the flange, cover and nut with the socket wrench (6) and turn it counter-clockwise. Remove the Allen key again.</p>

*Assembling the grass trimmer*

	Delivered parts/accessories	Assembly
	<p><b>Fig. 6-point 2</b> <b>Fig. 6-point 3</b></p>	<p>1. Dispose all accessories (pole, guard, string coil, 4 screws and nuts).</p>
		<p>2. Fasten the guard using the 4 screws and nuts. Use the S5 hexagon wrench (5) and the open-end wrench included in the scope of delivery.</p>



	<p>3. Insert the supplied Allen key (5) into the hole (1) and loosen the nut with the socket wrench (6) by turning it clockwise.</p>
	<p>4. Remove the flange (2), cover (3), and nut (4).</p>
	<p>5. Screw the string coil onto the drive shaft thread by turning it counter-clockwise and then remove the Allen key.</p>

*Assembling the extension*

	Delivered parts/accessories	Assembly
	<p><b>Fig. 1: driving unit</b>  <b>Fig. 2, 3: pole pruner</b>  <b>Fig. 4, 5: hedge trimmer</b>  <b>Fig. 6, 7: grass trimmer/brush cutter</b></p>	<p><u>Installing the extension:</u></p> <ol style="list-style-type: none"> <li>1. Open the quick coupling by loosening the locking screw (1) and remove the metal cover.</li> <li>2. Insert the extension into the opened quick coupling as shown in the picture until it clicks into place.</li> <li>3. Replace the metal cover (3) and tighten the locking screw (1).</li> </ol>
	<p><u>Removing the extension:</u></p> <ol style="list-style-type: none"> <li>1. Loosen the locking screw (1).</li> <li>2. Press the metal clip (2) down and pull out the extension.</li> </ol>	

## Before commissioning the machine

**Caution!** Before commissioning, check the device to ensure that it is intact. Do not switch the device on if damage is visible.

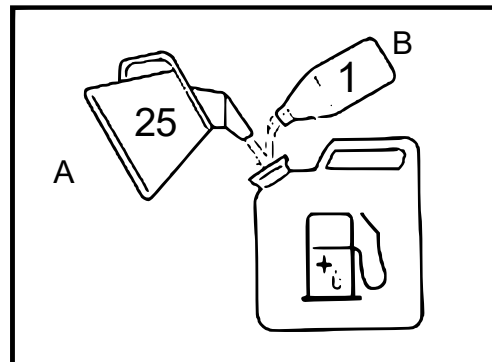
Do not operate the device if one of the following points is not affirmed:

	Yeah. Go to ...	Nay. Go to ...
1. The tool is correctly mounted.	2	7a
2. All switches are working properly.	3	7a
3. The spark plug is tight enough. A loose spark plug can cause sparks and ignite the air-fuel mixture!	4	7a
4. The handle is clean.	5	7a
5. The tool attachment chosen is securely attached, all moving parts of the machine run without interference or hindrances.	6	7a
6. You are wearing the protective clothing described in these instructions and have followed all the necessary precautions for using the device.	7b	7a
7. a) Do not operate the device. b) Get to work!		

## Fuel

**Note:** Always make sure that neither fuel nor lubricating oil gets into the ground.

- The device has a two-stroke engine and therefore requires an unleaded petrol-oil mixture, also known as a two-stroke mixture.
- Only use high-quality two-stroke oil and prepare a fuel mixture with a mixing ratio of 25:1 (25 parts petrol, 1 part oil). Make sure that you do not use two-stroke oil for water-cooled engines or oil for four-stroke engines.
- Poor oil quality and an incorrect oil/fuel ratio with a too high oil content (more than 2.5 %) can negatively affect both the performance and the service life of the device.
- Shake the container used for mixing well so that the oil and fuel mix evenly.
- The fuel should have at least 93 octane. We also recommend unleaded petrol, as it leaves less residue in the engine and on the spark plug and thus increases the service life of the device.
- Never use old or contaminated fuels or fuel mixtures.
- In addition, avoid contaminating the tank with oil or water.
- When the engine is under high load, knocking noises may occasionally occur. This is not a cause for concern. However, if these noises occur in the ignition under normal load and with a constant engine speed, it is advisable to change the fuel quality. If changing the fuel quality does not result in any improvement, stop using the device and immediately seek advice from a specialist.
- For work at continuously high speeds, a fuel with a higher octane number is recommended.
- We recommend using the supplied measuring beaker for the fuel mixture. This will help you to achieve an optimal mixing ratio. Proceed as follows:
  1. First pour fuel into the container until it reaches the “578.92” mark.
  2. Now fill up with oil until the liquid is at “600.”
  3. Shake the mixture well so that it mixes optimally, and then pour it into the device.



## Refuelling

- Only refuel the machine in adequately lit areas to avoid spilling fuel.
- Refuelling must also not take place near open flames or sources of ignition, as this can ignite fuel vapours, which can lead to explosions.
- Never refuel the device while it is in operation and allow the engine to cool down before adding fuel.
- Follow these steps to refuel the device:
  1. Make sure that the engine is switched off and the device has cooled down sufficiently. The on/off switch must be in the "OFF" position.
  2. Check the current level of fuel by carefully removing the fuel filler cap. To do this, turn it counter-clockwise.
  3. Top up with fuel if necessary. Make sure that the tank is only filled up to the neck, as the fuel expands due to the changing temperature.
  4. Carefully tighten the tank cap again in a clockwise direction.
  5. Check that the fuel cap is properly seated and tightly closed.
  6. Remove any fuel remaining from the tank.

## Commissioning



First press the stop switch.



Then put the carburettor lever to the start position to engage the throttle.



Next, press the injection button 6 times to ensure that there is sufficient petrol in the petrol lines.



1. Now operate the throttle lock and then the throttle.
2. Activate the start lever lock and hold the throttle in the active position.

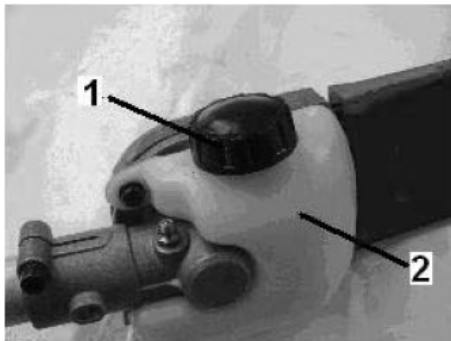




Now place the device on the floor, make sure that it stands securely and place one hand between the handle and the motor to be able to hold the device. Make sure that no people or body parts are close to the cutting tool and pull the starter rope.

## Operating instructions

### *Lubricating the pole pruner*



1. Carefully remove the oil tank cap from the pruner **(1)**.

2. Fill the tank with lubricating oil.

**Caution:** Do not use old or contaminated oil.

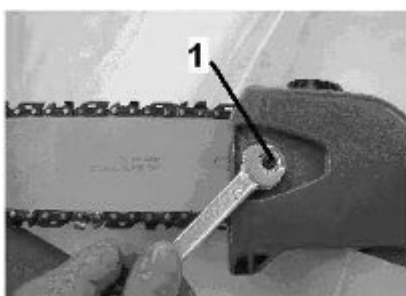
Fasten the oil tank cap **(1)** making sure that no oil can leak out.

4. Remove oil droplets and other residues from the housing.

5. Empty the oil container **(2)** after each use to ensure the long service life of the device.

### *Tensioning the chain*

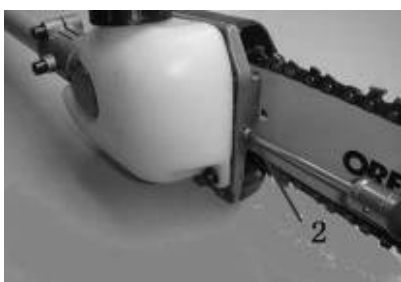
Always pay attention to the tension of the chain of the pruner, as an insufficiently tensioned chain increases the play between bar and chain. This unintended free space, together with a high speed, can cause the chain to jump off the rail, becoming a projectile, which can lead to damage to the device and its surroundings as well as very serious injuries. In addition, an insufficiently tensioned chain wears out faster.



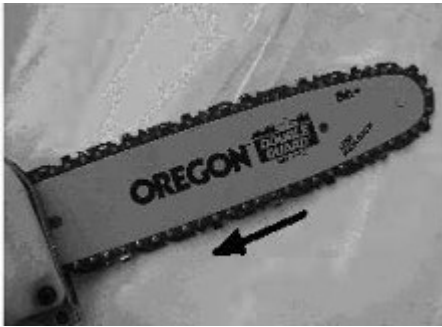
1. Before the chain can be tensioned, the blade nut **(1)** must be loosened.

2. Turn the adjusting screw clockwise until the chain rests on the bar but can still be moved easily **(2)**.

**Caution:** Make sure that the chain is evenly and reasonably tight at every point on the bar. A chain too tight or too loose increases the risk of accidents considerably and can lead to damage to the device and its surroundings as well as very serious injuries.



3. The chain should turn freely. If this is not the case, loosen the adjusting screw **(2)** by turning it counter-clockwise.



4. As soon as the chain is optimally tensioned and rests evenly on the rail, re-tighten the blade nut. If the blade nut is not tightened, the blade moves, releasing the chain tension.

**Note:** New chains tend to get longer. You should therefore check a new chain after the first few hours of operation. Let the chain cool down and be sure to wear safety gloves.

#### *Using the hedge trimmer*

- The hedge trimmer attachment is not only suitable for hedges, but can also be used to trim other bushes.
- The best cutting performance usually results when the hedge trimmer is brought up to the hedge at a 15° angle.
- To achieve a uniform hedge height, we recommend using a guideline.

#### *Using the grass trimmer/brush cutter*

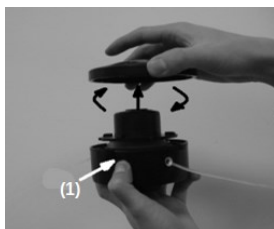
- If the metal blade of the brush cutter hits a stone or other hard object, it will cause kickback. This rapid, jerky backward movement of the device can cause loss of control and serious injury. Therefore, avoid stones and other obstacles.
- Do not cut with the device above knee height; do not overestimate yourself.
- Hold the head of the brush cutter tool at an angle of approximately 30° to the ground and move your upper body in a semicircle to achieve the best possible mowing result.

#### **If the cutting performance decreases, the following measure can help:**

This device is equipped with an automatic length control of the double string. The cutting strings can be automatically tracked through light contact between the mower head and the ground. If the string length should exceed the length intended for the device, the string is automatically cut back to the correct length by the blade in the protective cover.

**Caution!** Never touch a hard surface with the mower head, such as an asphalt, stone or hard clay floor, as this can damage the string coil head beyond repair. Be aware that the severed length of string can become a projectile due to the coil speed and, if inadequate safety clothing is worn, injuries can result.

#### *Replacing the cutting string*



Hold the mower head removed from the machine with one hand and loosen the cap with the other hand by pressing the button **(1)** on the side of the mower head and turning the cap clockwise.



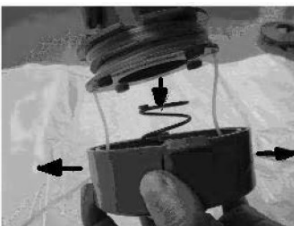
Remove the coil.



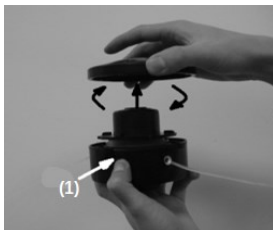
Remove the remnants of the old string and insert a new nylon string, which should not be longer than 2.5 m. Completely unwind the new string before placing it in the centre of the coil. Make sure that both ends of the string have the same length. Attach the string to the slot provided and press it down.



Roll both ends of the string tightly and neatly onto the coil, making sure that one end of each is in a compartment on the coil. Secure the ends in the brackets provided, making sure the ends are long enough to thread into the eyelets on the case. The coil divider should still be visible even with the string fully rolled up.



Thread the two ends into the coil case and reinsert the coil.



Make sure that both the spring and washer are in their original places in the housing before reassembling the protective cap. Press and hold the button **(1)** on the side of the mower head again while tightening the cap by turning it counter-clockwise.

Before starting the engine, cut off any parts that protrude beyond the blade in the protective cover and make sure that the protective cap is properly and securely in place.



## Maintenance

Regular maintenance is particularly important for safe, economical, and faultless operation. In the following you will find a maintenance table that should help you to ensure error-free operation and a long service life of the device.

**Caution!** Switch off the engine before starting any maintenance work. If individual experiments require the engine to be running, they may only be carried out outdoors or in well-ventilated rooms, as the exhaust gases from the device contain poisonous carbon monoxide. Always use dealer-approved and high-quality attachments and parts, as a lack of compatibility or quality can lead to damage to the device and its surroundings as well as to an increased risk of accidents and very serious injuries.

Maintenance type	Period		
	Before every use	Weekly	Monthly
Cleaning the body of the machine	×		
Checking that the throttle and throttle lock are working properly	×		
Checking that the motor switch is working properly	×		
Making sure the blades do not move when the tool is idle	×		
Checking that the blades are intact; replace them if there are signs of damage or wear	×		
Checking that the protective cover is intact; replace it if there are signs of damage or wear	×		
Cleaning the air filter; exchange, if necessary	×		
Checking that all nuts and bolts are tightened	×		
Ensuring that the device is not leaking oil or fuel	×		
Checking that the starter and the starter rope are intact		×	
Cleaning the spark plug from the outside; remove the spark plug to check the electrode gap, set the gap to 0.6–0.7 mm; replace the spark plug, if necessary		×	
Cleaning the cooling system		×	
Cleaning the outside of the carburettor and the area around it		×	
Checking that the flange, cap and nut are correctly fitted and tightened		×	
Checking that the tank is intact			×
Checking all connections and cables			×
Checking that the coupling, the clutch springs and clutch drum are worn; if necessary, have these parts replaced by an authorized specialist			×
Replacing the spark plug; make sure it has a cap			×
Removing dirt, oil residue, and other debris from the engine and exhaust			×

Maintenance work to be done regularly		Before every use	Monthly/after 25 operating hours	Every 3 months/after 25 operating hours	Every 6 months/after 50 operating hours
Part	Type				
Air filter	Cleaning			x <sup>(1)</sup>	
Valve	Checking, cleaning				x <sup>(2)</sup>
Fuel tank and filter	Cleaning				x <sup>(2)</sup>
Lubricant inside the gear box	Refuelling			x <sup>(1)</sup>	
Blades	Checking	x		x	
Fuel lines	Checking, and replacing if necessary	Every 3 years <sup>(2)</sup>			

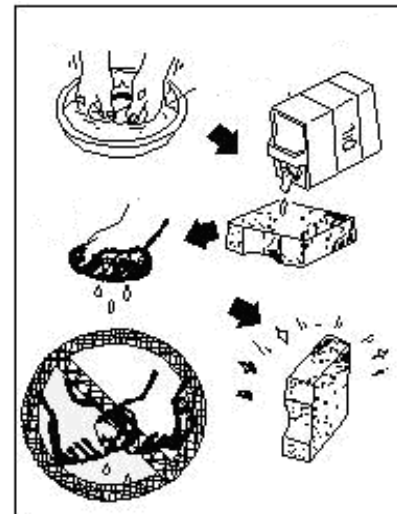
**Notes:**

- (1) With the device operated in dusty area, this type of maintenance should be done more often.
- (2) This type of maintenance should only be carried out by qualified persons.

*Cleaning the air filter*

1. Loosen and remove the screw on the air filter cover.
2. Remove the filter and wash it in solvent.
3. Squeeze the filter thoroughly to remove any excess oil, but do not wring it out.
4. Reinstall the air filter.
5. Reattach the air filter cover.

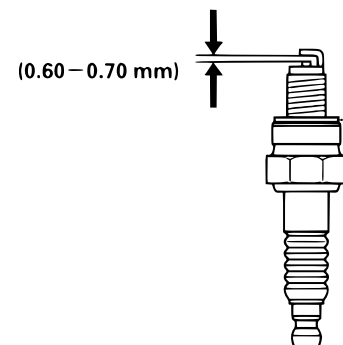
**Warning:** The use of petrol or flammable solvents can cause a fire or explosion. Therefore, only use soapy water or non-flammable solvents. Never operate the machine without an air filter!



**Spark plug**

- Recommended spark plug type: L7T
- To ensure proper engine operation, the spark plug must have a suitable cap and be free of deposits.

1. Remove the spark plug cap from the housing.
2. Remove the cap from the spark plug.
3. Clean the area around the spark plug base.
4. Remove the spark plug with the included socket wrench.
5. Visually inspect the spark plug and carefully remove any carbon deposits with a wire brush.
6. Look for any discolouration on the spark plug head; it should be brownish in colour.
7. Check the electrode gap; the permissible distance is between 0.6 and 0.7 mm.
8. Carefully reinsert the spark plug by hand.





9. Once the spark plug is in place, tighten it with the socket wrench.
10. Reinstall the spark plug cap.
11. Refit and reattach the spark plug cover.

## Cleaning

### *Cleaning the spark plug*



1. Remove the plastic cover.
2. Pull off the spark plug cover and loosen the connector using the socket wrench.
3. If necessary, clean, replace, or readjust the spark plug.

### *Cleaning the device*

- Always keep the device clean. Only clean it with a damp, soft cloth and only use mild detergents for cleaning. Do not use water or large amounts of other liquids as this will cause irreparable damage.
- Make sure that the cleaning agent that you use does not contain benzene, trichloroethylene, chloride or ammonia, as these substances attack the plastic housing of the device.
- Make sure that all entrances and exits for ventilation are always free of dirt and are not blocked by foreign objects. Cleaning with a soft brush and compressed air is usually sufficient to ensure sufficient cleanliness.
- Always wear gloves and eye protection when cleaning the device.

## Emptying the tank

1. Place the device on a flat, stable surface and start the engine to warm it up. Wait a few minutes and then turn the engine off again.
2. With the device switched off, carefully unscrew and remove the tank cap.
3. Carefully drain the fuel into a container provided for this purpose.
4. Operate the pump several times to drain the fuel that is still in the lines.
5. Close the tank with the tank cap.

## Troubleshooting

Problem	Condition	Cause	Solution
Motor stalls, is difficult to start, or does not start at all.	Fuel does not get to the carburettor.	Fuel filter blocked	Clean or replace.
		Fuel supply blocked	
		Carburettor problems	Consult your distributor.
	Fuel does not get to the cylinder.	Carburettor problems	
	Presence of fuel in exhaust	Wrong fuel mixing ratio	Open throttle valve; clean or replace air filter; re-adjust carburettor; consult distributor.
No spark		Switch in off position	Set switch to "on."
		Electric problem	Consult distributor.
		Locked switch	



		Wrong electrode gap	Adjust electrode gap to 0,6–0,7 mm.
		Electrodes contaminated	Clean or replace.
		Electrodes contaminated with fuel	
		Defective spark plug	Replace.
Motor turns, but stalls or does not accelerate properly.	Dirty air filter	Presence of dirt or residues in the fuel	Clean or replace.
	Dirty petrol filter		Replace.
	Blocked fuel vent		Clean or replace.
	Dirty or worn spark plug	Fair wear or tear	Clean, adjust or replace.
	Wrong adjustment	Vibration	Re-adjust.
	Excessive dirt	Prolonged use in dirty or dusty places	Clean.
	Plate cracked, contaminated or perforated	Fair wear or tear	Replace.
Motor does not engage.		Internal motor problem	Consult distributor.

### Storing

- Transporting the machine in a car, please empty the fuel tank completely first to avoid the leakage.
- Store the machine, operating instructions and where necessary the accessories in the original packaging. Thus, you will always have all the information and parts ready to hand.
- Pack the device well or use the original packaging in order to avoid transit damage. Use protective gloves when handling the blades. Keep the blade protection device on, except when intervening directly on the blade.
- Store the machine in dry and well-ventilated surroundings and with the fuel tank empty. Do not store fuel next to the machine.

### Important notice:

The reprint or reproduction, even of excerpts, and any commercial use, even in part, of this instruction manual require the written permission of WilTec Wildanger Technik GmbH.