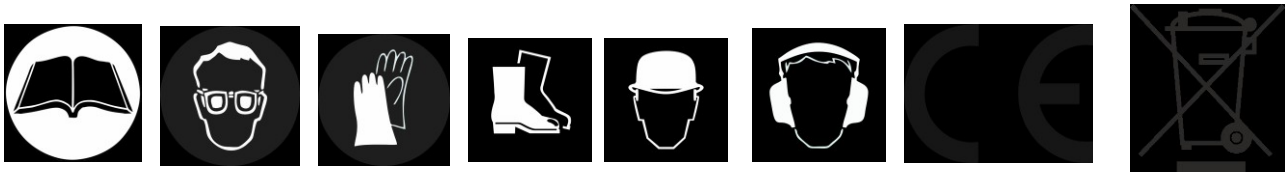
Hedge trimmer Geko 1500W 55cm



Pro-Tech shop

Instructions for use

Translation of the original instructions



Please read this instruction manual carefully before using it for the first time. It is the user's responsibility to familiarize themselves with all instructions necessary for safe use and operation and to understand any hazards that may arise during operation.

ATTENTION!!!

Due to the continuous improvement of the product, the photographs and drawings in this manual are for illustrative purposes only and may differ from the purchased goods. These differences cannot be grounds for a claim.

TECHNICAL DATA

Engine power: 2 HP

Working blade length: 700 mm Tank

capacity: 0,85L

Maximum speed: 9600 rpm Start:

manual

Operating Instructions

SAFETY POLICY

General safety rules

– Scissors can cause serious injury if used incorrectly. To use the scissors correctly, read the instructions carefully.

– It is recommended to use scissors for people who have previously used this type of equipment.

– Children and minors under 18 years of age are prohibited from using scissors.

– It is forbidden to use the scissors on persons who are mentally or physically ill and under the influence of alcohol, drugs or medication.

Purpose of the device

– The shears are designed for cutting tree branches and hedges. You should not

use the equipment for other purposes.

Protective equipment and clothing

– The cover must be worn on the knife during transport.

– Protective clothing must fit properly - it must not be too tight or too loose. The wearing of jewellery is prohibited.

– Protect your eyes, hands, feet and hearing by wearing protective clothing and equipment when using shears.

– Wear safety glasses that comply with ANSI Z87.1.

– Wear protective equipment to prevent hearing damage and injury to your feet

or other parts of your body.

– Wear protective gloves and slip-resistant footwear when using the equipment.

Starting the scissors

– Make sure there are no other people, children or animals within 15 metres.

– Always make sure the scissors are in working order before use.

– For the safety of the user, the throttle lever can only be operated after the throttle lever lock has been released. When holding the rear handle by hand, the lock is released by pressing the throttle lever lock with the hand holding the rear handle. The throttle lock also prevents the cutter bar from being lowered. If the lock is not released
the throttle lever, the mower bar will not start even when the half-throttle system is switched on.

It is forbidden to use the device in any way other than as specified below:

– The device can be used after following all the steps below.

– Before starting the shears, make sure that the cutting blade does not come into contact with branches, stones, etc.

– If the engine fails, stop it immediately.

– When using, hold the scissors with both hands, while controlling the device with your thumb and forefinger.

– Use the shears only in good light and visibility. During the winter season, be careful not to let the equipment slip out of your hands.

– Use the device in a stable position, standing on two legs. It is forbidden to use scissors when standing on a ladder or tree.

– Keep the engine speed at a level appropriate to the work being done and never increase the engine speed beyond what is necessary.

– Always make sure the engine is switched off if the leaves get caught between the blades when cutting, or if you need to check or refuel.

– If the blade comes into contact with a hard object such as a wire, stop the engine immediately and check if the blade or any other part is damaged.

– Never touch the spark plug or the spark plug wires when the engine is running, as this could lead to electric shock.

– Always remember to switch off the engine and hold the machine so that the blade is away from the body when changing jobs.

Storage

– Empty the fuel tank before storing, or allow the fuel to burn out and switch off the engine.

– Clean the glow bar and store the appliance in a warm place out of the reach of children.

– Be environmentally conscious, use the equipment to operate as quietly as possible and to emit as little exhaust fumes as possible.

– Clean the instrument at regular intervals and check for loose bolts and nuts.

– Do not store equipment near sources of fire.

– After draining the fuel from the tank, store the appliance in a climate-controlled enclosed room. Start the engine and allow it to run until all fuel, including carburetor fuel, has been consumed and the engine has stopped. Otherwise, the carburetor may become clogged with fuel mixture residue. This will make it difficult or impossible to restart the engine.

Regularly carry out maintenance. If necessary, contact an authorised service centre - if specialist repairs need to be carried out. The user of the equipment shall bear the consequences for damage and destruction caused by independent repairs requiring specialist work or by failure to carry out the required maintenance work, as well as for any damage to the equipment due to improper storage
equipment.

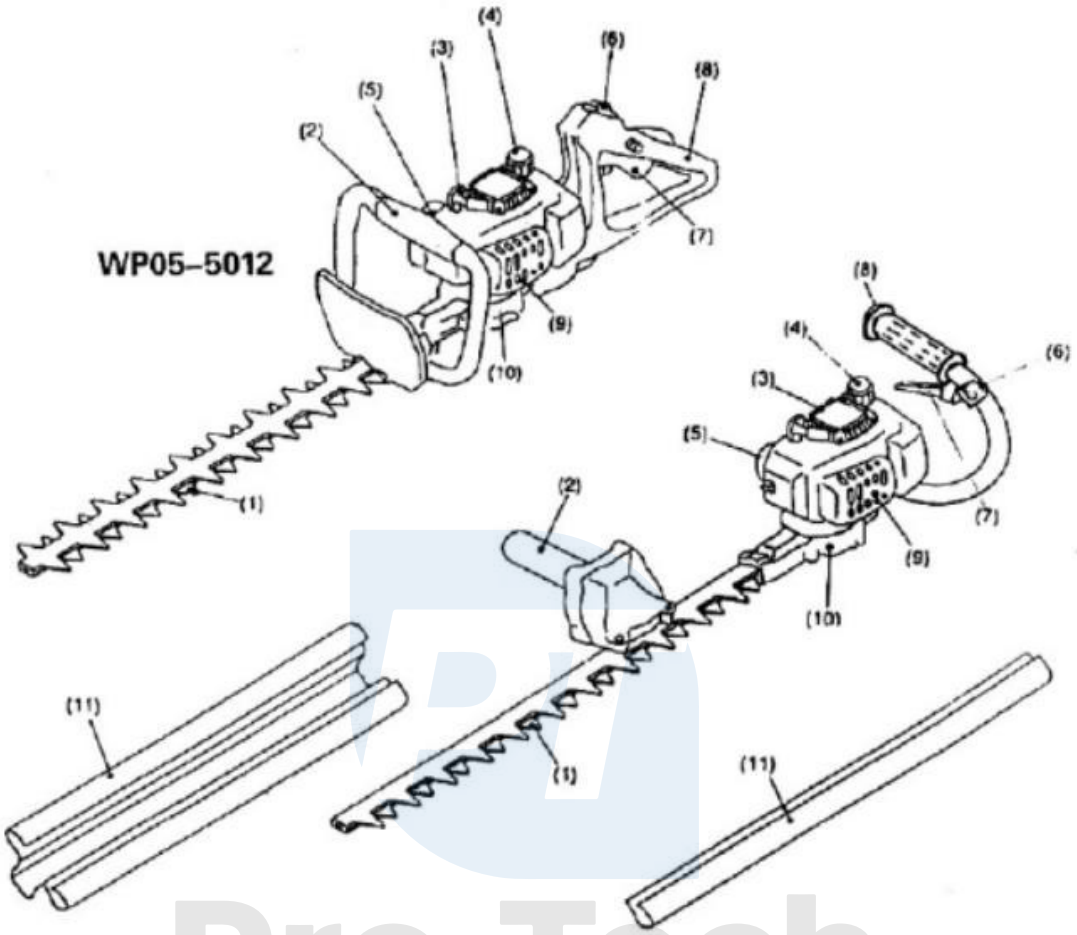
First aid

Make sure that a first aid kit according to DIN 13164 is nearby in case of an accident when using the scissors. After each use, replenish the first aid kit with the missing items.

Packaging

To avoid damage during transport, the scissors are supplied in a protective cardboard box. Cardboard is a recyclable material.

Names of the main parts



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Names of the main parts			
1	Blade	7	Gas lever
2	Front handle	8	Rear handle
3	Manual starter	9	Silencer
4	Fuel tank cap	10	Gearbox cover
5	Carburetor	11	Blade protector
6	Ignition switch (ON/OFF)		

Fuel change

– To minimize the risk of burns or fire, refuel carefully. Smoking while working with scissors and while refilling the mixture is extremely dangerous.

– Use scissors to avoid breathing exhaust fumes. Avoid skin contact with grease.

– If the mixture spills during refuelling, wipe it off with a dry cloth. Wipe the spilled fuel thoroughly dry before restarting the engine.

– There is a fuel filter in the tank. It is recommended to replace it annually at an authorised service centre.

– Fuel exchange in a closed room is prohibited.

Fuel mixture

The plant's engine is two-stroke and can only be operated with a mixture of petrol and oil. It is recommended to use unleaded petrol with a minimum octane number of 95. Using the wrong fuel or the wrong ratio of mixture components can cause serious damage to the engine!

Note: Avoid skin contact with gasoline and inhalation of gasoline fumes. During the break-in period, for the first five fill-ups, a mixture ratio of 20:1 gasoline/oil (4%) should be used. From the sixth refuelling, it is recommended to use a mixture of 25:1 petrol/oil (4%).

Use special oil for high-speed engines during the entire period of use of the machine after break-in, prepare a fuel mixture of 25:1 gasoline to oil (4%).

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Filling the fuel tank

– Please observe the safety rules when refuelling. Only fill the tank when the engine is switched off. The refuelling area must be kept clean.

– When filling the fuel tank, position the appliance so that the fuel filler cap is above the tank. Fill the fuel up to the lower edge of the fuel filler cap. Use a funnel with a strainer to prevent dirt from entering the tank.

– After filling the tank, tighten the fuel filler cap firmly (but without tools!!!).

There is a fuel filter in the tank. We recommend replacing it annually at an authorised service centre.

Precautions before starting the engine

– Before starting work, make sure the terrain is suitable, remove all obstacles and barriers and make sure there are no other people, children or animals nearby.

– Make sure there are no loose bolts or nuts, leaking fuel lines, cracks, dents, dings, or other problems that could endanger health or life. Be especially careful when checking that everything is in order with hedge trimmers.

– Never use knives that are bent, warped, cracked, broken or damaged.

Starting the device

– Switch on the device at least 3 metres away from the refuelling point. Place the cutters on a clean surface and make sure that none of the cutters hit any obstruction when starting the engine.

The device to be activated should be placed horizontally on a flat surface without obstacles, make sure that the cutting system does not touch any obstacles or the ground. Remove the belt transport cover. Turn the ON/OFF ignition switch (5) to the "I" position.

Important!

Do not press on the gas cap, take a stable position behind the appliance and grasp the front handle firmly with your left hand.

With the engine cold, set the choke lever to the closed choke position. With your right hand, slowly pull the starter cable until you feel the first resistance. Then pull the starter rope firmly in a straight line line along its entire length and then, holding the handle with your hand, return the rope to its starting position. The motor will start. Place the choke lever in the open position and start the engine.

When the engine is warm, set the choke lever to the open choke position. With your right hand, slowly pull the starter cable until you feel the first resistance. Then pull the starting rope firmly in a straight line along its entire length and then, holding the handle with your hand, return the rope to its starting position.
If the engine is at operating temperature, it should always start at idle speed. Therefore we recommend starting the engine with the choke lever in the open position. Only if the engine does not start, proceed as for cold starting.

Switching off the device

Release the accelerator and turn the ignition switch to the "OFF" position. Please note that after releasing the throttle lever and switching off the engine, the mowing deck may still move for a while. Make sure the cutting system has come to a complete stop before performing any maintenance or storing the equipment.

Emergency Shutdown - The engine is turned off by turning the ignition key to the "OFF" position.

If the engine does not stop, it can be emergency stopped by moving the choke lever to the on position. In this case, it is essential to contact an authorised service centre to rectify the fault before starting the machine again.

Working with petrol hedge trimmers

– Make sure you read these instructions carefully.

– Do not touch the blade with your bare hands. Do not attempt to lift the device by the cutting blade or sharp edges.

– Do not touch the blade when switching on the machine and during operation!

– Use the shears in such a way that you do not inhale exhaust fumes. Never use the device in closed rooms. This can lead to carbon monoxide poisoning.

– All safety tools are part of the equipment and must be used during operation.

– Never operate the machine if the muffler is damaged or missing.

– Only use the shears in good light and visibility and on a stable surface.

– Never use scissors when standing on a ladder.

– Never climb a tree with scissors.

– Always use the shears on a stable surface.

– Remove sand, rocks, nails, wires, etc. from the area where you will be working, they can damage the equipment.

– The blade must reach maximum speed before cutting.

– Always hold the appliance by the handles with both hands.

– It may take a few minutes for the engine to shut off after the fuel supply has been switched off/carburettor switched off.

– The scissor engine must not be idling.

– When cutting the hedge horizontally, tilt the shears so that the blade cuts through the hedge at an angle of 15-30°.

– When cutting the hedge vertically, move the shears back and forth in a circular motion.

– Take particular care when trimming hedges that grow on fences.

– Do not use the shears for too long, take a break of 10 to 20 minutes after every 50 minutes of work.

– If the knife comes into contact with a stone or other hard objects, switch off the engine immediately, check the functionality of the knife, replace damaged parts if necessary.

– If you find that the engine is not working as usual, switch it off immediately.

MAINTENANCE

– When replacing or sharpening the cutting device, switch off the engine and remove the spark plug connector. Also switch off the engine when cleaning the machine or its parts.

– Never straighten or weld a damaged blade.

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– Check the blade at short and regular intervals with the engine switched off. Note: The teeth are sharp.

– Clean the equipment regularly and check that all bolts and nuts are tight.

– Never store or repair the appliance in a place with an open flame.

– Always wear protective leather gloves when holding or grinding the equipment.

READING

When the teeth on the blade are rounded or blunt, do not grind the contact surfaces (plane) or the lower and upper surfaces.

– Before sharpening, switch off the engine, secure the blade and unscrew the spark plug nut

– Wear protective clothing (gloves, goggles, etc.).

– Do not use lubricant to lubricate the cutter bar!!!

– If the mower bar becomes blocked, you must switch off the engine and wait until the mower has come to a complete stop.

– After stopping the hedge trimmer, remove all twigs, leaves and debris from the hedge.

– If even minor damage is found, such as cracks, breakage, etc., the glow bar must be replaced

BLADE ADJUSTMENT

The blade wears out after quite a long time. If the blades do not cut well, follow these tips:

1. Unscrew (1) nut.

2. Screw tightly (2) with a screwdriver and then unscrew it no more than halfway.

3. Screw on the washer (3) while holding it (2) with a drill.

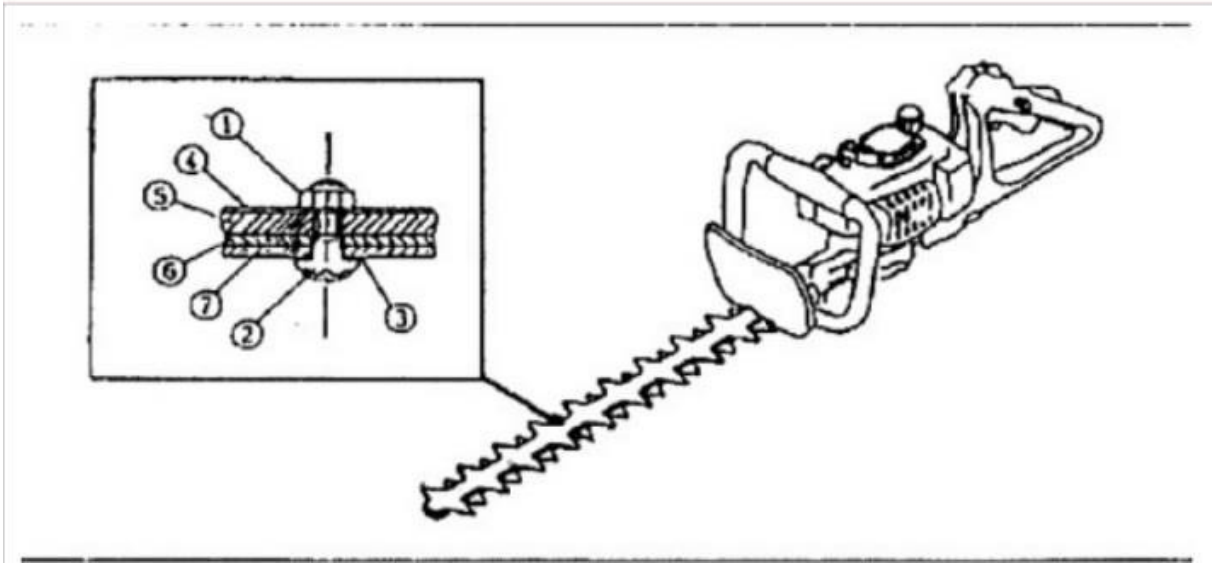
4. After setting, lubricate the blade.

5. Stop the engine and touch the knife, if it is warm enough to put your hand on it, the knife has been successfully secured.

Attention:

Always switch off the engine before adjusting the knife. The blades have grooves around the nut. If there is dust in any of the grooves, clean them.

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1. U-hex nut 2. Screw 3. Flat washer 5. Guide 6. Upper blade 7. Lower blade

Speed control and adjustment

The rotation speed should be set at 2,600 rpm. If necessary, change the speed using the adjusting screw (the blade cannot run when the engine is idling).

• Clockwise - for faster rotation.

• Counterclockwise - for slower rotation.

Cleaning the air filter

• Remove the air filter cover.

• Raise the choke lever (arrow) to prevent dirt from entering the carburetor.

• Remove the rubber element, wash it in lukewarm water and dry it completely.

• After washing, reinstall the rubber liner and air filter cover.

• Do not use the device with a wet air filter!

NOTE: If there is too much dust or debris in the air filter, clean it daily. A clogged filter makes it difficult or impossible to start the engine or increases engine speed.

Spark plug check

– Use only the supplied universal spanner to remove or insert the spark plug.

– The gap between the two electrodes of the spark plug should be between 0.6mm and 0.7mm, if it is too narrow or wide, adjust it. If the spark plug is blocked or dirty, clean or replace it thoroughly. Use a part with the same specifications as the original part.

Topping up the lubricant

– Refill the lubricant through the lubrication hole every 10 - 20 hours. Suction pump height (every 50 hours - monthly)

– The engine intake stroke filter is used to filter the oil.

– Regular checks are needed. To check, open the engine cover with the hook wire and pull out the suction pump. Filters that are hardened, dirty or clogged should be replaced.

– Insufficient refuelling can lead to an increase in top speed. Therefore, it is important to change the filter at least once a quarter.

Cleaning of muffler inlet (every 50 hours - monthly)

– Check the damper input regularly

– If it is contaminated with carbon deposits, scrape the deposit off carefully with a tool designed for this purpose. Do not allow the sediment to enter the engine.

Replace the fuel line: every 200 hours (annually) Perform

an engine inspection: every 200 hours (annually) Replace

the gaskets each time the engine is reassembled.

All other maintenance and adjustment work not described in the manual must be

performed by an authorized service center.

Daily inspection and maintenance

To ensure the longest possible life of the shears and to prevent damage, the following should be carried out regularly:

- Check for missing parts or loose screws before work. Pay particular attention to the condition of the cutting blade screws (every 8 hours - daily)

- Every day after work:

• Clean the surfaces of the scissors and check for damage,

• Clean the air filter. When working in an extremely dusty area, clean the filter several times a day.

• Check the blades for damage and make sure they are installed correctly.

STORAGE

– If you do not use the machine for a long time, drain the fuel from the tank and carburettor.

– Remove the spark plug and add a few drops of fuel, then gently pull the starter cable to make sure the fuel has coated the inside of the engine, and replace the spark plug.

– Using a cloth soaked in oil, clean the blade and motor cover of dirt and dust and place the machine in a clean place.

MAINTENANCE PLAN

General	Installation of motor, bolts and dies	General control
After each fuel change	Throttle valve Safety lock STOP switch	Control Control Control
Every day	Air filter Cooling pipe Cutting device Rotation speed	Clean up Clean up Check blade and damage Check (blade must not move)
Every week	Spark plug Silencer	Replace if necessary Check and clean if necessary
Every quarter	Fuel tank	Clean Replace
Closing	Carburetor Fuel tank	Empty the fuel tank Operate the machine until the fuel is empty

PROBLEMS

PROBLEM	SOURCE	SOLUTION
Cannot be switched on	No ignition spark	Check the spark plug. Remove the spark plug. Connect the spark plug and spark plug and place them on the cylinder. Pull the starter the cord and check if a spark has appeared between the electrodes. If there is still no spark, repeat this test with a new spark plug
	No fuel	Refuel

Engine	"Flooded" engine	Remove the spark plug. Move the choke lever to "RUN" and pull the starter cable 10-15 times. Clean the spark plug and replace it or insert a new one, pull the starter cable 3 times with the choke lever in the "RUN" position. If the engine does not start, move the lever to the "CHOKE" position and start the engine. If the engine still does not start, repeat the procedure with a new spark plug.
	Starter rope	Contact Service
The engine starts but the revs cannot be increased	Need to adjust the speed	Contact Service
The engine starts but does not run at full power	Need to adjust the carburettor speed or clean the carburettor	Contact Service
The engine does not run at full speed and smokes	Poor oil/fuel mixture	Prepare a mixture with a suitable ratio
	Dirty air filter	Clean or replace the filter
	Engine speed should Edit by	Contact Service
Engine accelerates but cannot idle	Speed should be adjusted	Contact Service
Oil leak	Engine not running at full speed	Turn the engine up to full speed
	Incorrect oil/fuel mixture	Prepare a new mixture with a suitable ratio
	Dirty air filter	Clean or replace the filter
	Engine speed should be adjusted	Contact Service

The risk of "white fingers" and how to avoid it

• Tingling or lack of feeling in the fingers is one of the first signs of the damaging effects of vibration. Over time, the risk of developing a disease called "white toe" increases, which is characterized by a lack of sensitivity of cold white fingers at low temperatures. Initially, this condition occurs on one or two fingers, but if the hands are constantly exposed to vibration, it can

extend to the other fingers and the other hand. Stop work if you notice signs of "white fingers". Lack of feeling in the fingers increases the risk of workplace accidents. It also makes it difficult to perform work requiring precision movements. Other consequences can be permanent paralysis of the fingers and limited grip, hand and joint pain and an increased risk of degenerative diseases. The risk of vibration-related injury depends on the level of vibration to which the worker is exposed during an 8-hour working day. It is considered that injuries can be avoided if the vibration load does not exceed 2.5 m/s².

• A vibration load of 2.5 m/s² corresponds to continuous exposure to vibration:

- 2.5 m/² for 8 hours

- 3.5 m/s² for 4 hours

- 5 m/s² for 2 hours

- 7 m/s² for 1 hour

- 10 m/s² for 0.5 hour

• The daily vibration load shall not exceed 5 m/s² and this value shall not be exceeded under any circumstances. The total daily exposure value informs when the employer should reduce the workload and is set at 2,5 m/s². With vibration levels between 2.5 and 5 m/s² you can continue working. However, it is necessary to investigate the cause of the high vibration level and make efforts to reduce it as much as possible. This can be achieved by proper work planning and the use of appropriate
technical aids. The work must be planned and executed in such a way that no one is exposed to harmful vibrations. Appropriate technical equipment should be used and the period of exposure should be limited.

• To reduce the load caused by equivalent vibration, you can perform the

following actions:

• Use methods with less vibration, e.g. shot blasting, diamond cutting or waterjet

cutting techniques for cutting concrete.

• Plan your work to reduce vibrations as much as possible.

• If possible, use remote-controlled tools/machines instead of hand tools, for example.