



PETROL MULTI-TOOL 43 CM³ - 2 IN 1

RAC432KIT

USER GUIDE

CAUTION: Read the instructions before using the machine!

SAFETY INSTRUCTIONS

Safety instructions for the hedge trimmer

WARNING! Before using this tool, please read these instructions of safety and use. It will help you to use safely the machine and reduce the risk of electrical shocks and accidents. If you give this tool to another person, also give this manual.

Use this tool as described in this manual. Any mishandling and any use contrary to instructions will not in any way engage the liability of the manufacturer.

Non-compliance with safety instructions and use can cause a risk of electric shock, fire and / or injury to persons.

IMPORTANT

Read carefully before use

Keep for future reference

Safe operating practices

Training

Become familiar with the owner's manual before attempting to operate the equipment.

Preparation

- a) THIS HEDGE TRIMMER CAN CAUSE SERIOUS INJURIES. Read the instructions carefully for the correct handling, preparation, maintenance, starting and stopping of the hedge trimmer. Become familiar with all controls and the proper use of the hedge trimmer.
- b) Never allow children to use the hedge trimmer.
- c) Beware of overhead power lines.
- d) Avoid operating while people, especially children, are nearby.
- e) Dress properly! Do not wear loose clothing or jewellery, which can be caught in moving parts. Use of sturdy gloves, non-skid footwear and safety glasses is recommended.
- f) Use extra care when handling fuels. They are flammable and the vapors are explosive. The following points should be observed:
 - Use only an approved container.
 - Never remove the fuel cap or add fuel with the power source running. Allow engine and exhaust components to cool down before refueling.
 - Do not smoke.
 - Never refuel indoors.
 - Never store the hedge trimmer or fuel container inside where there is an open flame, such as near a water heater.
 - If fuel is spilled, do not attempt to start the power source, but move the hedge trimmer away from the spillage before starting.
 - Always replace and securely tighten the fuel cap after refueling.
 - If the fuel tank is drained, this should be done outdoors.
- g) If the cutting mechanism strikes any foreign object or the hedge trimmer starts making any unusual noise or vibration, shut off the power source and allow the hedge trimmer to stop. Disconnect the spark plug and take the following steps:
 - inspect for damage;
 - check for, and tighten, any loose parts;
 - have any damaged parts replaced or repaired with parts having equivalent specifications
- h) Wear ear protection.
- i) Wear eye protection.
- j) In case of emergency, stop the hedge trimmer; release the trigger, switch off the tool with the ON/OFF button. Let it completely stop and be cool before any intervention.

Operation

Use the tool for the intended purpose and follow these provided instructions for use and maintenance

- a) Stop the engine before:
 - cleaning or when clearing a blockage,
 - checking, carrying out maintenance or working on the hedge trimmer,
 - adjusting the working position of the cutting device,
 - Leaving the hedge trimmer unattended.
- b) Ensure that the hedge trimmer is correctly located in a designated working position before starting the engine.

- c) While operating the hedge trimmer, always ensure that the operating position is safe and secure, especially when using steps or a ladder.
- d) Do not operate the hedge trimmer with a damaged or excessively worn cutting device.
- e) To reduce fire hazards, keep the engine and silencer free of debris, leaves and excessive lubricant.
- f) Always ensure that all handles and guards are fitted when using the hedge trimmer. Never attempt to use an incomplete hedge trimmer or one fitted with an unauthorized modification.
- g) Always use two hands to operate a hedge trimmer fitted with two handles.

Maintenance and storage

- a) When the hedge trimmer is stopped for servicing, inspection or storage, shut off the power source, disconnect the spark plug wire from the spark plug and make sure all moving parts have come to a stop. Allow the hedge trimmer to cool before making any inspections, adjustments, etc.
- b) Store the hedge trimmer where the fuel vapour will not reach an open flame or spark. Always allow the hedge trimmer to cool down before storing.
- c) When transporting or storing the hedge trimmer, always fit the cutting device transport guard.

Additional instructions

- Never allow children to use the hedge trimmer.
- Work only during in the day or with a sufficient artificial light.
- Before starting to work, check the condition of the tool.
- Ensure that all the parts of the machine are well fixed and tightened.
- Control regularly that the blade of cut is in good state.
- Always hold firmly the hedge trimmer with the two hands.
- Never take or hold the hedge trimmer by the blade.
- Maintain clothing out of reach blade as well with the stop as under operation.
- Keep the device distant from all shapes of sparks, flames and flammable materials.
- Control that the working areas are free from all shapes of obstacles.
- Work with precaution, be not distracted.
- Do not use the tool when you are under the influence of alcohol, meds or drugs, and where you are sick.
- Dry all possible gasoline traces by using a dry rag.
- In case of accident, immediately stop using the machine. Check the problem. Do not use the machine while the machine is damaged.
- Operate the machine only at reasonable hours – not early in the morning or late at night when people might be disturbed;
- When blockage occurs, immediately turn off the engine with the ON/OFF button. Let the tool cool down. Check and correct the blockage before starting again to work. Use gloves when clearing a blockage. Restart the machine securely when the machine is totally unblocked.
- When a danger or a non-intended situation arise, stop to work immediately and switch off the tool. Restart to work when there is no danger and you are able to work safely.
- Cut before the large branches with a hand shears to avoid the blocking of the blade.
- Pay attention not to cut iron wire or others.
- Do not use non-recommended accessories with this tool. To replace any piece of this tool, please contact the retailer, service agent or manufacturer.
- Use only the mixture recommended by the manufacturer.
- Store the mixture in a specific container for the gasoline.
- Keep the device in a quite dry place and out of reach of children.
- Store the mixture only on free air or in a well-ventilated place. Handle the fuel with precaution, it is highly flammable.
- Do not smoke or use telephone when you handle gasoline.
- Use a funnel and fill the tank only when the engine is cold.
- Do not open the tank if the engine is hot or under operation.
- Keep [people and yourself far away from the exhaust to avoid the risks of burns.
- Maintain the people and the animals far away from the working area.
- Always remind that this machine can cause very serious incidents.
- Do not work under the rain and/or in places wet and/or slipping.
- Do not expose to the rain.

- Do not use the tool during bad weather conditions and where a risk of lightning is possible.
- Use complete personal protective equipment during the use of the tool: gloves, antiskid footwear, helmet, eyes protection, protection clothes, and mask of protection.
- Do not use the machine when you are tired, under the influence of alcohol or drugs or sick.
- The machinery must not be used in a way where experience has shown that danger and/or risks might occur.
- The ignition and the carburetor must ne be set by the user. This procedure shall be done by our service agent.
- Never use hedge trimmer inside a building. Your hedge trimmer produces toxic exhaust fumes as soon as the engine is started. The use of this product can generate dust, vapors and smoke containing chemicals known for their harmful effects on health. So be careful during the use of your machine and protect yourself correctly. Also avoid voluntarily breathing exhaust fumes; always hold the machine correctly when you use it.

Residual risks

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may arise in the structure and design of this product. Always be vigilant when using this product, so you can recognize and manage the risks rather. Rapid intervention can prevent serious injury and property damage.

- There are harmful health consequences resulting from the emission of vibrations if the product is used for long periods of time or not properly managed and properly maintained.
- There is risk of injury and property damage due to attachments or broken the sudden impact of hidden objects.
- Risk of injury to persons and property caused by flying objects.
- Prolonged use of this product exposes the operator to vibration and can produce so-called “white finger” disease. To reduce the risk, wear gloves and keep your hands warm. If any of the symptoms of “white finger syndrome” occur, seek immediate medical attention. Symptoms of the “white finger” include numbness, loss of sensitivity, tingling, tingling, and pain, loss of strength, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures
- Inhalation of particles
- Inhalation of exhaust gases
- Unattended projections
- Contact with foreign objects
- Contact with the tool in operation
- Hearing loss in the absence of correct hearing protection

Safety warnings for the mounted pole pruner

- Secure the machine during transport to prevent loss of fuel, damage or injury; always install the protection device on the blade, check the cap of the fuel tank, and do not transport the tool upside down.
- Always bring cleaning and maintenance before the storage of the tool. Follow the instructions given in this manual. Improper maintenance will increase of accidents, kickback of the blade and bad working results.
- Use the transport guard on the blade during transport and storage.
- Checking that the cutting attachment stops turning when the engine idles.
- Check the tool before and after use. Check for loose fasteners, fuel leaks and damaged parts, such as cracks in the saw blade. If the tool is damaged, if parts are missed or meet some dysfunctions, do not use the tool and bring it to a service agent for inspection and reparation.
- Follow the instructions of the manual for guide-bar and chain adjustments. This shall be done with the engine stopped.
- National regulation can restrict the use of the machine.
- Always inspect the pruner before use and after dropping or other impacts in order to identify any significant damage or defects.
- Danger – Do not use the machine near overhead electric power lines.
- Warning – Do not the use of the machine when tired, ill or under the influence of alcohol or other drugs.
- Always be sure to maintain a steady, even posture while working. It is necessary to have rest periods and change working positions.
- Warning - Risk of danger for bystanders; they must be kept at a safe distance from the machine during its operation.
- Remove branches in sections.
- Warning - Avoid dangerous operating positions;
- There is a risk of being struck by falling branches or branches that, having hit the ground, rebound.
- Warning - there is a danger about the emission of exhaust gases. Do not inhale them do not be exposed to them.
- Keep firm footing and balance during operation. Use the harness provided.
- Do not use the tool if the switch is defective. In the event of a malfunction, do not use the tool and take it to a qualified

service for repairs.

- Stop the tool before making adjustments, changing the accessories or storing the tool.
- Keep the tool out of the reach of children. People who are not familiar with the tool or who have not read these instructions should not use it. Tools are dangerous when used by untrained people.
- The tool must be regularly maintained. Regular tool maintenance reduces malfunctions and improves work efficiency.
- Check that the moving parts are working properly and that they are not jammed. Check that there are no broken or damaged parts that could impair the functioning of the tool. If the tool is damaged or faulty, do not use the tool anymore and bring it to a qualified service for repairs.
- Keep cutting tools sharp and clean. Carefully maintained tools with sharp edges are wedged less frequently and can be guided more easily.
- Never touch any part of the body of the cutting chain when the tool is operating. Before starting the tool, make sure that the cutting chain is not in contact with anything. A moment of inattention while using the tool may cause your garment or part of the body to stick to the cutting chain.
- Wear safety glasses and hearing protection. Additional protective equipment is recommended such as helmets, protective gloves, slip-resistant foot protection and safety clothes.
- Do not place yourself on the path of falling branches.
- Before felling, check where the trees or branches are going to fall. Make sure that there are no obstacles to prevent or hinder travel.
- Do not work in areas where the grass is wet and where the soil is slippery.
- Do not use this tool in a tree, on an unstable ladder or surface.
- Adopt a stable position and keep your balance constantly.
- Hold the tool firmly with both hands when the engine is running.
- When the chain is moving, it must not touch objects, materials or persons.
- Start cutting only with a chain at full speed.
- Do not attempt to insert the saw into a pre-existing notch. Always make a new notch.
- Pay attention to moving branches or other forces that could close a notch and pinch or hinder the chain.
- Do not attempt to cut a branch with a diameter greater than the cutting length of the chain saw.
- Always switch off the tool, let the chain completely stop before making any adjustments, maintenance, cleaning or repairs.
- The chain must remain sharp and taut. Regularly check the tension of the chain.
- Only use replacement parts and original accessories.
- Use only the manufacturers specified replacement guides and chains. Incorrect replacement guides and chains may cause chain breakage and / or rebound.
- Check that there are no obstacles or electrical wires hidden in the work area.
- Immediately stop the device if an abnormal level of vibration has been detected. In case of damage to the blade, it is necessary to change the complete set of blades.
- Use the device only if all protective devices are mounted. Do not use the device with faulty protective equipment. Do not modify the unit.
- Do not work with the tool when it rains, in bad weather or in a damp environment. Do not use the machine when there is a risk of thunderstorms and storms.
- Only work outdoors, under daylight or under artificial lighting.
- Always carry the appliance by its handle
- Tie long hair in a way to prevent them from coming into contact with the blades. Do not wear jewelry and loose clothing when operating the machine.
- The appliance should never be used near people, especially children and pets. Stop the operation immediately if this condition is not met. In all cases, ensure a safe area of at least 15 meters around the work area.
- The operator is responsible for accidents caused to others.
- Always take a stable working position. Make sure about your step on the slopes. Take extreme caution when working on slopes.
- Take regular breaks to reduce the risk of fatigue.
- Never leave the machine unattended.
- The device must always be used fully assembled and secured.
- Store the tool with its blade guard and out of the reach of children
- Never use an incomplete or unauthorized tool.

- Clean and maintain the tool before storage (see the chapters on this manual). Bring maintenance after each use according the instructions of this manual. Improper maintenance can reduce the life of the tool, bring bad results and wear the tool and its accessories.
- Check the tool regularly and before each use to observe any impact or damage.

Residual risks

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may arise in the structure and design of this product:

- There are harmful health consequences resulting from the emission of vibrations if the product is used for long periods of time or not properly managed and properly maintained.
- There is risk of injury and property damage due to attachments or broken the sudden impact of hidden objects when using cutting.
- Risk of injury to persons and property caused by flying objects.
- Prolonged use of this product exposes the operator to vibration and can produce so-called "white finger" disease. To reduce the risk, wear gloves and keep your hands warm.
- If any of the symptoms of "white finger syndrome" occur, seek immediate medical attention. Symptoms of the "white finger" include numbness, loss of sensitivity, tingling, tingling, and pain, loss of strength, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures.

Intended use

1) Mounted pole pruner

Intended use / improper use

The pole pruner is exclusively intended for pruning trees and/or cutting small wood from the ground. Any other use is considered improper and will damage the tool.

The correct use also includes reading and observing the instructions for use at each use as well as observing the warnings fixed on the machine. Before and during use, it is imperative to check the blade to ensure that there is no mechanical damage. In case of necessary repairs, please contact your specialist dealer.

Only the use of spare parts approved by the manufacturer or original spare parts is permitted. If unauthorized or non-original spare parts are used, the user is liable for consequential injury to persons or property resulting in the manufacturer being deprived of all liability.

2) Hedge trimmer

Intended Use

Your hedge trimmer is a device used by a person to trim hedges and shrubs by working with one or more blades arranged linearly and back and forth. A potential hazard exists if the device is used for other purposes. Improper handling of the hedge trimmer increases the risk of injury from blades. Only the use of spare parts and accessories approved by the manufacturer is permitted.

Quick release mechanism

Once properly adjusted, check that the quick release harnesses work properly. Pull the strip to release the machine from you in the case of emergency.

Symbols on the machine



Warning symbol



Wear an equipment of protection including a helmet, protective glasses, hearing protection



Wear protective and non-skid shoes



Wear safety gloves



Read the instruction manual



Guarantee noise level



Do not smoke and do NOT use the tool near naked flame



Warning! Cutting elements



Caution: the accessible surface maybe hot when using the tool



Wait until all machine components have completely stopped before touching them,



Poisonous fumes or toxic gases



Do not expose to rain or humidity



No naked fire near the machine



Warning – Risk of electric shock. Always beware of the danger from overhead electric-power line, keep a safe distance at least 10m from the power line.

PRODUCT DESCRIPTION

PARTS LIST



Fig.1a



Fig.1b

- 1- Engine unit
- 2- Control unit
- 3- Main pole
- 4- Handle
- 5- Connection
- 6- Shoulder strap
- 7- Pole Pruner head
- 8- Hedge trimmer head

ENGINE

1. PARTS LIST

- 1 Engine unit
- 2 Spark plug
- 3 Recoil starter
- 4 Air filter assembly
- 5 Fuel tank
- 6 Wiring
- 7 Shaft
- 8 Handle
- 9 Throttle trigger
- 10 Throttle lock button
- 11 Ignition On/Off switch
- 12 Hook for shoulder strap

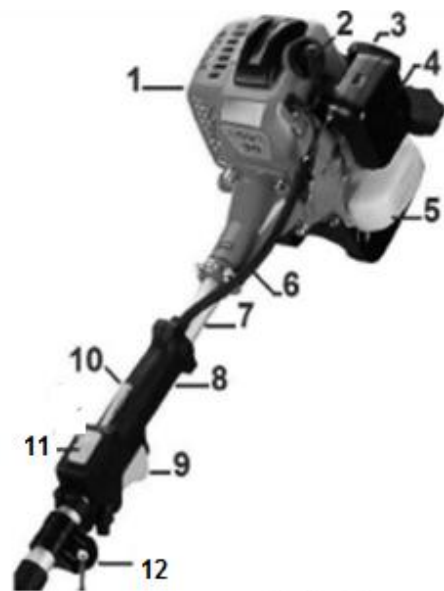


Fig.2

TECHNICAL INFORMATION

Engine information	
Volume of the fuel tank	1250 cm ³
Max engine speed	9500 min ⁻¹
Engine idling speed	3000 min ⁻¹
Clutch engagement speed	3910 min ⁻¹
Engine displacement	43 cm ³
Maximal power	1,25 kW / 7500/min
Weight	Max. 7,91 kg
Noise level and vibration	<p>Sound power level: 105,4 dB(A) Guarantee sound power level: 111dB(A) Sound pressure level: 96,2 dB(A) Uncertainties K = 3 dB(A) Vibration</p> <ul style="list-style-type: none"> - Front handle: <ul style="list-style-type: none"> · Idling: 8,303 m/s² · Racing: 7,723 m/s² - Rear handle: <ul style="list-style-type: none"> · Idling: 7,737 m/s² · Racing: 6,763 m/s² - K = 1,5 m/s²
Hedge trimmer	
Cutting length	Cutting wide: 24mm; Cutting range:390mm
Type of the hedge trimmer blade	Double
Maximum rotational frequency of the spindle	9500min ⁻¹
Pole pruner	
Cutting length	10" 25.4 cm
Oil tank	130cm ³
Chain type	JL9D-3*39
Type of the chain guide bar	10" ZL A10-39-507P
Maximum rotational frequency of the spindle	9500min ⁻¹

GETTING STARTED

Handle assembly

1. Place the tool on a flat, solid and clean surface.
2. Place the handle holder under the rubber device on the tube.
3. Place the handle on the tube and align the holes. Screw the handle to the support.



Shoulder strap assembly (Fig.4)

Insert shoulder strap clip on the hook.
Adjust shoulder strap to your desired length. Fig.4

Fuel

Use only fresh, clean unleaded gasoline with an octane rating of 90 or above.

Mix all fuel with 2-cycle engine oil at a ratio of 40:1.

CAUTION!

This engine is to be operated on a 40:1 mixture consisting of unleaded gasoline and 2-cycle mixing oil only.

Some gasoline contains alcohol as oxygenate!

Oxygenated fuels may cause increased operating temperatures. Under certain conditions, alcohol-based fuels may also reduce the lubricating qualities of some mixing oils. Never use any fuel containing more than 10% alcohol by volume! When an oxygenated fuel must be used, fuel containing an oxygenate such as MTBE is to be preferred over an alcohol based fuel.

Generic oils and some outboard motor oils may not be intended for use in high-performance air cooled 2-cycle engines, and should never be used in a this engine

Important! Only mix enough fuel for your immediate needs! If fuel must be stored longer than 30 days, it should first be treated with a stabilizer.

• Filling the fuel Tank

1. Place the tank on a flat, level and clean surface.
2. Clear any dirt or other debris from around the fuel filler cap.
3. Remove the fuel cap, and fill the fuel tank with clean, fresh fuel mixture.
4. Install and firmly tighten the fuel cap.
5. Wipe up any spilled fuel from the power head before restarting

WARNING!

- Always allow the product to cool before refueling!



Fig.4

- Wipe all spilled fuel and move the product at least 3 meters (10 feet) from the fueling point before restarting!
- Never smoke or light any fires near the product or fuels!
- Never place any flammable material near the engine muffler!
- Never operate the engine without the muffler and spark arrestor in place and properly functioning!
- Never operate this machine if fuel system components are damaged or are leaking.

Warning considerations for handling fuel

- The engine of this product is designed to run on a mixed fuel, which contains highly X flammable gasoline. You should never store cans of fuel or refill the fuel tank in any place where there is a boiler, stove, wood fire, electrical sparks, welding sparks or any other source of heat or flame or fire which might ignite the fuel.
- Smoking while operating the product or refueling the tank is extremely dangerous F) and must be avoided. Always be sure to keep lit cigarettes away from the product at all times.
- When refilling, the tank always turn off the engine first and take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling.
- If any fuel spillage occurs during refueling, use a dry rag to wipe up spills before turning the engine back on again.
- After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the brush cutter to a spot 3m or more away from where it was refueled before turning on the engine.

OPERATION

Engine start

- Place the tool firmly on the ground, ensuring that it is stable and that the cutting attachment is free and clear of all spectators or objects.
- Slide the switch to position "I" (start). See Fig. 5.
- Place the choke lever in the closed OFF position (Fig. 6).
- Prime the engine by pressing the carburetor prime bulb four or five times (see fig. 7). You should be able to see fuel inside the bulb.



Fig.5



Fig.6

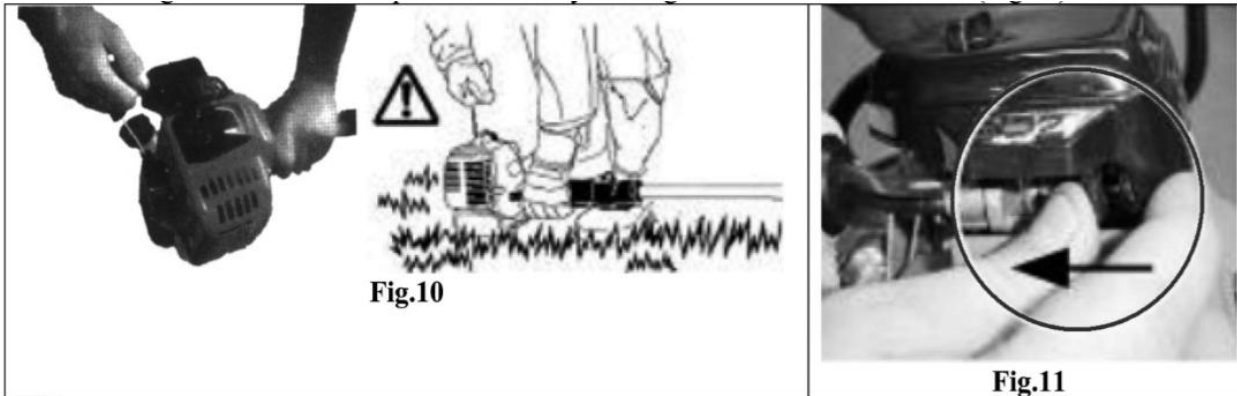


Fig.7

- Hold the handle on the outer tube with your left hand; grasp the handle of the starter cable with your

right hand. See Fig. 10.

- Gently pull the starter handle until you feel the starter engage.
- Then quickly pull the starter handle to start the engine.
- When the engine starts, open the choke by lowering the choke lever (ON position) (Fig.11)



Important! Engine ignition is controlled by a two-position START-STOP switch mounted on the throttle body, typically labeled "T" for START and "0" for STOP

Cranking the engine

CAUTION!

1. Never operate the product unless a cutting attachment is installed.
2. The recoil starter can be damaged by abuse. - Always engage the starter before attempting to crank the engine. - Never pull the starter cord to its full length. - Always rewind the starter cord slowly.

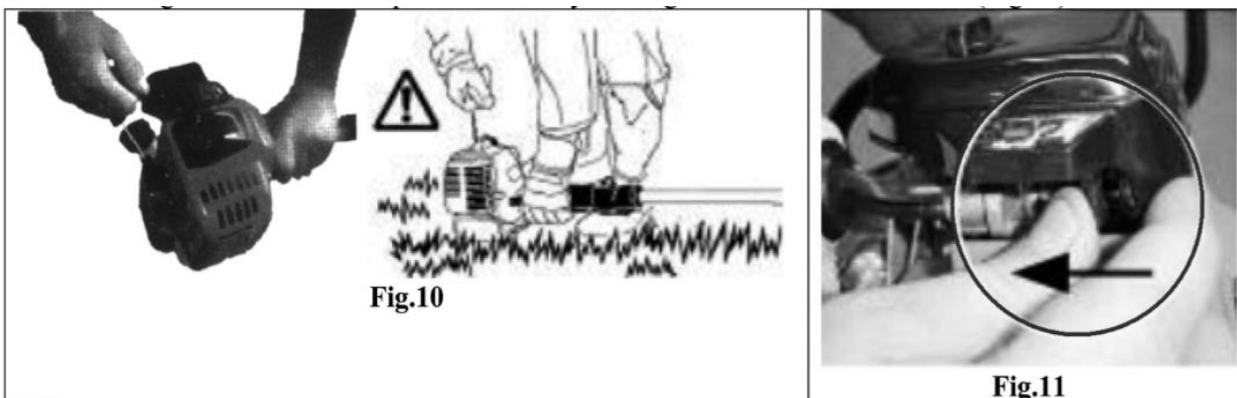
WARNING! When starting the engine, make sure the cutting attachment is well clear of bystanders, pets or objects. The attachment may rotate during startup.

1. Place the unit firmly on the ground, making sure it is stable and that the cutting attachment is free and clear of any bystanders or objects.

Hold onto the hand grip on the outer tube with your left hand grasp the starter rope handle with your right hand. See Fig.10.

2. Pull the starter handle slowly until you feel the starter engage.
3. Then, pull the starter handle quickly to start the engine.

When the engine starts, open the choke by moving the choke lever down. II (Fig.11)



WARNING! The cutting attachment will engage and rotate as the engine starts and accelerates. If the engine did not continue to run, repeat the appropriate cranking procedure (warm or cold engine). When the engine starts, clear excess fuel from the combustion chamber by revving the engine several times with the throttle trigger (operating the trigger will automatically disengage the "fast idle" setting).

If the engine fails to start

Repeat the appropriate cranking procedure (warm or cold engine).

If the engine fails to start after repeated attempts, the engine is likely flooded. Proceed to the following procedure (see 5.4).

Starting a flooded engine

1. Disconnect the spark plug lead and then use the spark plug wrench to remove the spark plug (turn counterclockwise to remove). See Fig.12.

If the spark plug is fouled or soaked with fuel, clean the plug as necessary

2. Open the choke and fully depress the throttle trigger with your left hand, then pull the starter handle rapidly with your right hand to clear excess fuel from the combustion chamber. Fig.12

CAUTION! Incorrect spark plug installation can result in serious engine damage

3. Reinstall the spark plug and tighten it firmly. If a torque wrench is available, torque the spark plug to 16.7-18.6N.m.

4. Repeat the starting procedure.

5. If the engine still fails to start inquire with an authorized and qualified service center.



Fig.12

Stop the engine

WARNING! The cutting attachment can continue rotating after the engine is switched off!

- 1.1. Cool the engine by letting run idle for two or three minutes.
- 1.2. Slide the ignition switch to the "0" or STOP position. See Fig.13.

+*Checking and adjusting the idle speed

WARNING!

- The cutting attachment must never rotate at engine idle speed.
- The engine must return to idle speed whenever the throttle trigger is released
- Idle speed is adjustable and must be set low enough to permit the engine clutch to disengage the chainsaw when throttle trigger is released.



Fig.13

1. Start the engine and allow it to idle two or three minutes, or until it warm Up.
2. If the cutting attachment rotates at engine idle, reduce idle speed by turning the idle adjusting screw counter clockwise as necessary.

Important! Use a tachometer, if available, to set engine idle. Standard idle speed is: 3000 + 200.

3. If the engine is stalling and does not idle, increase idle speed by tuning screw the idle adjustment screw clockwise.

MAINTENANCE

General Maintenance

WARNING! Before performing any maintenance, repair, or cleaning work on the machine, make sure the engine and cutting attachment are completely stopped. Disconnect the spark plug wire before performing service or maintenance work

WARNING! Non-standard parts may not operate properly with your unit and may cause damage and lead to personal injury

Muffler

WARNING! Operating the engine without a muffler or with a muffler that is damaged or improperly installed can increase engine noise sufficiently to lead to hearing loss.

This machine must never be operated with a faulty or missing spark arrestor or muffler.

Make sure the muffler is well secured and in good condition. A worn or damaged muffler is a fire hazard and may also cause hearing loss.



Fig.14

Spark Plug Keep the spark plug and wire connections tight and clean.

Daily Maintenance

Prior to each work day, perform the following:

1. Remove all dirt and debris from the engine, check the cooling fins and air cleaner for clogging, and clean as necessary. See Fig.E18
2. Carefully remove any accumulating of dirt or debris from the muffler and fuel tank, dirt build-up in these areas can lead to engine overheating, fire, or premature wear.
3. Check for loose or missing screws or components. Make sure the cutting attachment is free of debris and securely fastened.
4. Check the entire machine for leaking fuel or grease.
5. Make sure nuts, bolts, and screws (except carburetor adjusting screws) are tight.

10-Hour maintenance

CAUTION! Do not operate the machine if the air cleaner or element is damaged, or if the element is wet or water soaked

Every 10 hours of operation (more frequently in dusty or dirty conditions):

Remove the air cleaner element from the air cleaner housing and clean it thoroughly.

Rinse and dry thoroughly.

Add a few drops of oil, then reassemble the element. See Fig.15

10/15-Hour Maintenance

CAUTION! Before removing the spark plug, clean the area around the plug to prevent dirt and dust from getting into the engine's internal parts

Every 10 to 15 hours of operation:

Remove and clean the spark plug. See Fig.16.

Adjust the spark plug electrode gap to 0.6-0.7mm.

Replace the spark plug as necessary

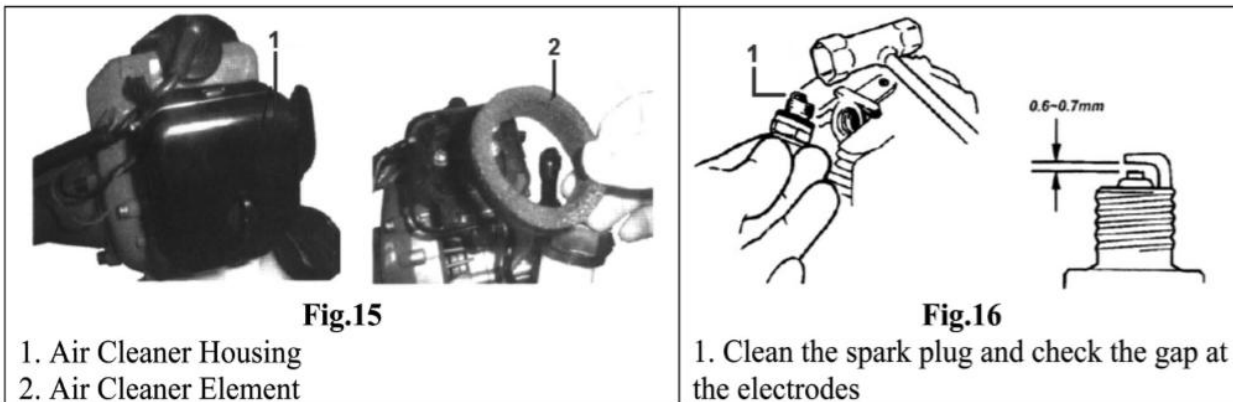


Fig. 15 :

1.2.1. Air Cleaner Housing

1.2.2. Air Cleaner Element

Fig. 16 : 1. Clean the spark plug and check the gap at the electrodes

POLE PRUNER

1. PARTS LIST

1. Guide bar
2. Chain
3. Oil tank
4. Oil Cap EF
5. Gear case
- 6.Chain cover
- 7.Tube



Fig.PP1

2. SPECIAL SAFETY INSTRUCTIONS

CAUTION!

- Always maintain this pole pruner according to the owner's manual and follow the recommended scheduled maintenance.
- Never modify or disable any of the pole pruner's safety devices.
- Always use genuine parts and accessories when repairing or maintaining this machine.
- Do not make unauthorized modifications or substitutions to the guide bar or chain
- Never allow the engine to run at high RPM without a load. Doing so could damage the engine.
- When transporting the pruner in a vehicle, tie it down securely to prevent damage and fuel spillage.
- Always stop the engine and allow it to cool before refueling. Avoid overfill and wipe off any fuel that may have spilled.
- Never place flammable material close to the engine muffler and never run the engine without the spark arrestor screen in place.
- Always clear your work area of trash or hidden debris to help ensure good footing. Plan an escape route to avoid falling branches.
- Keep the saw chain sharp and properly adjusted.
- Keep the pruner as clean as possible. Keep it free of loose vegetation, mud, etc.

2.1 Safety Operation



The pole pruner is not insulated against electrical shock!

- Approaching or contacting electrical lines with the pole x pruner could cause death or serious injury.
- Keep the pole pruner at least 10 meters away from electrical lines or branches that contact electrical lines This machine is designed especially for cutting small branches.

Never use this machine for any other purposes. Never try to cut stones, metals, plastics or any other hard objects.

Using for other purposes than cutting branches may damage the machine or cause serious injury. Always wear eye and ear protection. Manufacturer recommends wearing a face shield as additional face and eye protection.

Always wear a hard hat to reduce the risk of head injuries during operation of this machine.

Wear non-slip heavy-duty work gloves to improve your grip on the pole pruner handle.

Wear snug-fitting clothes that, also permits freedom of movement.

NEVER wear shorts!

Wear sturdy footwear with no slip soles to provide good footing.

Steel-toes safety boots are recommended.

Keep bystanders at least 15 meters (50 feet) away from the operating pruner to reduce the risk of being struck by falling objects or debris.

Never operate the pruner at an angle greater than 60° in order to reduce the risk of being struck by falling objects during operation.

Always operate with both hands firmly gripping the machine.

Keep a proper footing and do not overreach-Maintain your balance at all times during operation.

2.2 Kickback precautions

A dangerous reaction may occur when the spinning chain contacts a solid object or gets stuck in the wood...

It is called kickback. As a result, the operator can lose control of the unit, which can cause serious or fatal injury. To avoid kickback, operate the pruner smoothly.

3. GETTING STARTED

3.1 Assembly

3.1.1 Assembly of accessory head (see Fig.BC2)

Insert the lower tube (c) into the main pole tube (a) until shaft (b) aligns into position. Ensure assembly is tight and secured

3.1.2 Installing the Chain

WARNING! Never attempt to install, replace, or adjust the chain with the engine running.

WARNING! The saw chain is very sharp. Wear gloves to protect your hands when handling.

NOTE: For longest chain life, let new or replacement chain loops soak in oil overnight before installation

- Using the small end of the plug wrench, remove the sprocket cover nut (turn counterclockwise to remove) and remove the sprocket cover. See Fig.PP2

CAUTION! Failure to align the guide bar and chain tensioning pin can cause serious damage to the sprocket cover, guide bar, chain tensioning pin and cutting head assembly

- Place the guide bar over the guide bar adjustment stud on the cutting head assembly. Align the chain tensioning pin with the hole in the guide bar. See Fig.PP3
- Install the chain loop over the drive links within the guide bar groove, and then align the chain over the drive sprocket. Make sure the cutters are properly oriented as shown in Fig.PP4.

If chain installation is difficult or if the chain appears too tight, refer to the section "Adjusting the Chain".

- Install the sprocket cover over the bar stud.

Using finger-pressure only, install the sprocket cover nut.

WARNING! Never operate the pole pruner without the sprocket cover installed

- Refer to the next section for chain adjusting procedures.

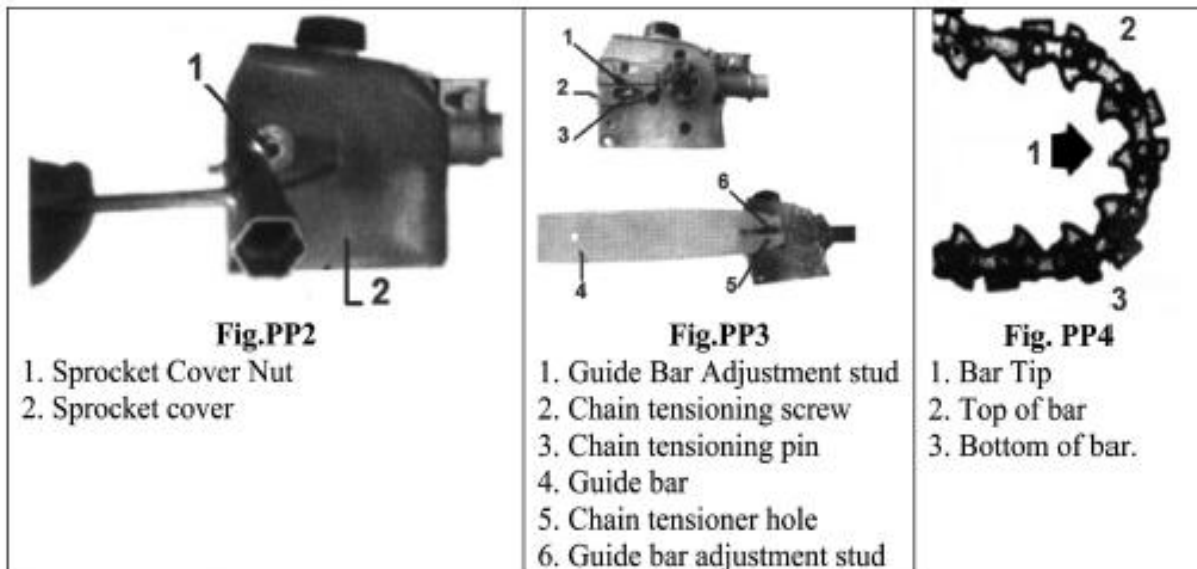


Fig.PP2:

1. Sprocket Cover Nut
2. Sprocket cover

Fig.PP3:

1. Guide Bar Adjustment stud
2. Chain tensioning screw
3. Chain tensioning pin

4. Guide bar
5. Chain tensioner hole
6. Guide bar adjustment stud

Fig.PP4:

1. Bar Tip
2. Top of bar
3. Bottom of bar

3.1.3 Adjusting the Chain

WARNING! Never attempt to install, replace, or adjust the chain with the engine running **WARNING!** The saw chain is very sharp. Wear gloves to protect your hands when handling. **CAUTION!** A loose chain can jump off the guide bar causing damage to the chain and associated equipment. Always make sure the chains is properly adjusted; check more often when you are breaking in a new chain

IMPORTANT: Proper chain adjustment is essential for maximum performance, long chain life, and operator safety. Always inspect chain tension before operating the pole pruner.

1. Place the pole primer on a clean, flat Surface. (For readjustment during operation, shut down the engine, then allow the guide bar and chain to cool before proceeding with the adjustment procedure.
2. Loosen the sprocket cover nut with a plug wrench (Fig. PPS)
3. Lift the nose of the guide bar whlte turning the chain tensioning screw. See Fig.PP6
 - Clockwise to tighten the chain
 - Counterclockwise to loosen the chain.
4. Pull the chain by hand along the top of the guide bar several times from the engine to the bar's tip. The chain should feel snug but still pull freely. See Fig.PP7.
5. Tighten the sprocket cover nut securely while lifting the tip of the guide bar.
6. Inspect the chain for correct adjustment (more frequently with a new chain). The chain should feel snug but still pull freely.

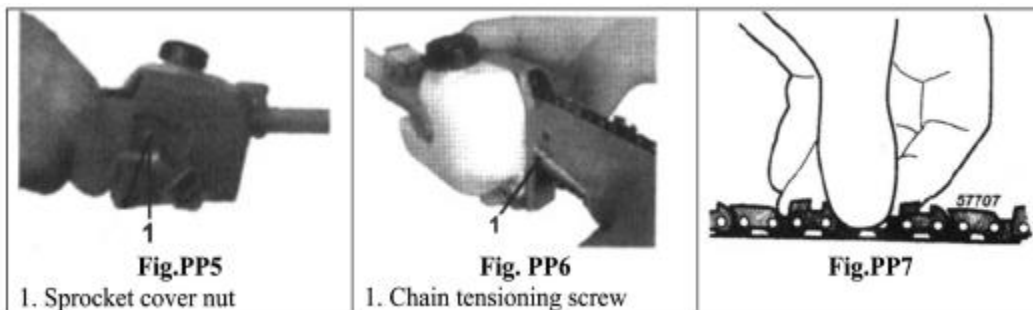


Fig.PP5:

1. Sprocket cover nut

Fig.PP6:

1. Chain tensioning screw

3.2 Chain Oiler

WARNING! Never fill the oil reservoir nor adjust the oiler with the engine running

IMPORTANT: The service life of the chain and guide bar is affected by the chain and guide lubricant. Using superior lubricant such as genuine Bar and Chain Oil will help ensure a long service life. For cold weather operation, mix bar and chain oil with an equal part of kerosene.

3.2.1 Filing the Oil Reservoir

The oil reservoir has a capacity sufficient to provide about 40 minutes of cutting time (when set to deliver the minimum flow rate)

1. Place the pole pruner on a clean, flat surface with the oil filler cap facing up. See FigPP8.

Wipe off any debris from the oil cap and from around the oil filler neck.

Remove the oil filler cap (1) and fill the reservoir with bar and chain oil, then replace the cap (1).

2. Wipe up spilled oil from the unit before restarting the pole.

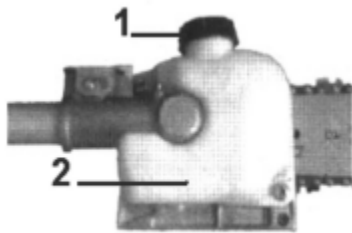


Fig.PP8

1. Oil filter cap pruner. 2. Oil reservoir

3.2.2 Adjusting Oil Flow Rate

CAUTION! An increase in bar oil flow rate will speed oil consumption, requiring more frequent checks on the oil reservoir. To ensure sufficient lubrication, it may be necessary to check the oil level more frequently than at fuel tank refills.

The guide bar and chain are lubricated automatically by a pump that operates whenever the chain rotates.

The pump is set at the factory to deliver a medium flow rate, but it can be adjusted in the field.

Adjust the pump as follows:

1. Stop the engine and make sure the stop switch is in the STOP position. Fig.PP9
2. Place the unit on its side with the oil reservoir up. See Fig.PP9.
3. With a screwdriver, push in on the oil flow rate adjusting screw and turn in the desired direction (there are two incremental settings):
 - Clockwise - decrease lubrication.

- Counterclockwise - increase lubrication

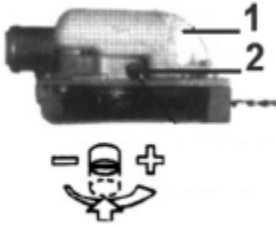


Fig.PP9

1. Oil reservoir
2. Oil flow adjusting screw

CAUTION! The oil flow adjusting screw must be pressed in slightly in order to turn. Failure to do so could damage the Pump and screw.

3.3 Wearing the Strap (see BC7)

1. Hook the strap hook to the hanger on the outer pipe.
2. Wear the strap so that the hook stays at your right hand side.
3. Adjust the length of the strap so that you can hold and operate the machine comfortably.

3.4 Preparation

4. Wear suitable protective clothing and equipment-see section "safety Precautions".
5. Choose the best work position for safety against the falling object (Branch etc)
6. Start the engine.
7. Put on the strap.
8. Never stand directly underneath the branch you are cutting - be wary of falling branches. Note that a branch may spring back at you after it hits the ground.

OPERATION

8.1. INTENDED USE

- The product is intended for domestic use.
- The product is intended for cutting branches

8.2. CUTTING SEQUENCE

Always cut the lower branches first so as to allow branches a free fall. Prune heavy branches (large diameter) in several controllable pieces.

8.3. WORKING POSITION

Hold the control handle with your right hand, and the shaft with your left hand. Your left arm should be extended to the most comfortable position. The shaft should always be held at an angle of 60° or less.

8.4. STANDARD CUT (Fig. PP10)

The most convenient working position is a tool angle of 60°, but any other angle may be used to suit the situation concerned.

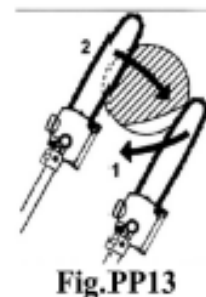
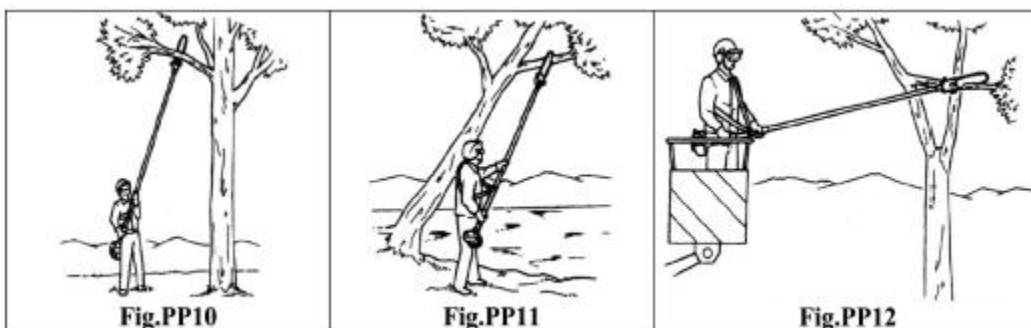
CUTTING ABOVE OBSTACLES (Fig. PP11)

Thanks to the unit's long reach it is possible to prune branches that are overhanging obstacles, such as rivers or lakes. The tool angle in this case depends on the position of the branch

8.5. CUTTING ON A WORK PLATFORM (Fig. PP12)

The unit's long reach enables cutting to be performed next to the trunk without the risk of the work platform damaging other branches.

The tool angle in this case depends on the position of the branch.



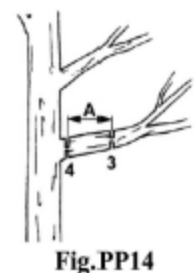
7. WORKING TECHNIQUES

7.1- Relieving cut (Fig. PP13)

To avoid tearing the bark, kickback or pinching the bar when pruning thick branches, always start by performing a relieving cut (1) on the underside of the branch.

To do this apply the cutting attachment and pull it across the bottom of the branch as far as the bar nose.

Perform the cross-cut (2).



7.2- Flush-cutting thick branches (Fig. PP14)

If branch diameter is more than 10cm (4"), first perform undercut (3) and cross-cut at a distance (A) of about 25cm (10") from the final cut. Then carry out the flush-cut (4), starting with a relieving cut and finishing with a cross-cut.

MAINTENANCE

8.5.1. 50-HOUR MAINTENANCE

Every 50 hours of operation (more frequently in dusty or dirty conditions):

1. Remove and clean the cylinder cover and clean dirt and debris from the cylinder cooling fins.

2. Remove the sprocket cover and inspect the sprocket for excessive dirt, debris, or wear.

Remove the guide bar and clean out the guide bar groove.

3. If the sprocket is excessively worn, replace it with a new one. (See Fig.PP15)

4. Lubricate the gear case. To perform this operation, first remove the gear case from the upper outer tube as follows (See Fig.PP16):

- Using a lever-type grease gun, pump lithium-base grease (about 10 grams) into the grease fitting until you see old grease being purged from the gear case, this can be seen in the outer tube cavity.

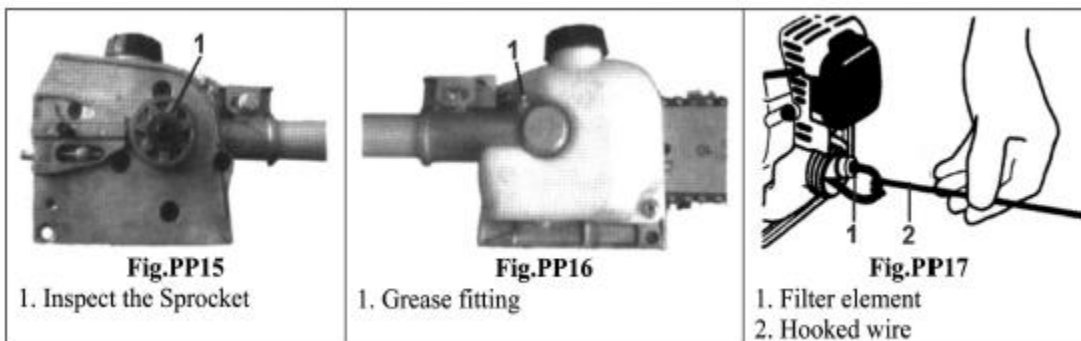
Clean up excess grease, and then reassemble the gear case onto the outer tube

5. Use a wire hook to extract the fuel filter from inside the fuel tank (See Fig.PP17).

CAUTION! Make sure you do not pierce the fuel line with the end of the hooked wire. The line is delicate and can be damaged easily.

Inspect the fuel filter element for signs of contamination.

Replace it with a new one if required. Before reinstalling the filter, inspect the fuel line. If you find damage or deterioration, remove the unit from service until it can be inspected by a trained service technician.



8.5.2. SHARPENING THE CHAIN

When the cutting edges of the blade become dull, they can be re-sharpened with a few strokes of a file.

In order to keep the blade in balance, all cutting edges must be sharpened equally. In addition, inspect the chain for correct adjustment (more frequently with a new chain).

The chain should feel snug but still pull freely. See Fig.PP18

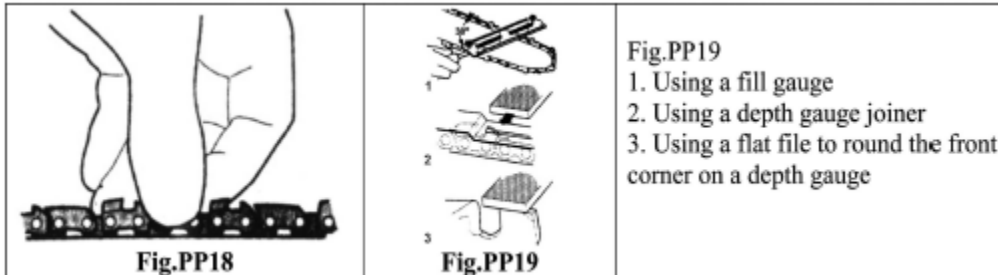
8.5.3. SHARPENING INSTRUCTIONS (Fig.PP19)

IMPORTANT: File all cutters to the same angle and depth! Unequal filing may cause the saw to vibrate or cut erratically! –

- Using a 4.5mm round file, sharpen all cutters to a 30° angle. Make sure that one fifth (20%) of the file's diameter is always held above the cutter's top plate.

NOTE: For consistent filing angles, use a filing guide.

- After all cutters are sharpened; use a depth gauge joiner to measure the height of each depth gauge.
- As required, lower the depth gauges to a height of 0.5mm. Use a flat file.
- After all depth gauges have been adjusted, use a flat file to round each depth gauge leading edge to its original curvature and angle.



1. Using a fill gauge
2. Using a depth gauge joiner
3. Using a flat file to round the front corner on a depth gauge

HEDGE TRIMMER

1. PARTS LIST

1. Blade protection
2. Blades
3. Gear case
4. Handle
5. Latch lock/unlock
6. Tube



Fig.HT1

2. SPECIAL SAFETY INSTRUCTIONS

CAUTION!

1. Always maintain the articulated hedge trimmer according to this owner's manual and follow the recommended scheduled maintenance.

2. Never modify or disable any of the hedge trimmer's safety devices.
3. Always use genuine machine parts and accessories when repairing or maintaining this
4. Do not make unauthorized modifications to the articulated hedge trimmer.
5. When transporting the hedge trimmer in a vehicle, tie it down securely to prevent fuel spillage or damage to the machine.
6. Always clear your work area of trash or hidden debris to help ensure good footing.
7. Keep the cutters sharp and properly adjusted.
8. Keep the articulated hedge trimmer as clean as possible. Keep it free of loose vegetation, mud, debris, etc.

WARNING! Never transport the articulated hedge trimmer or set it down with the engine running. An engine that's running could be accidentally accelerated causing the blades to oscillate. Make sure the blade cover is in place when transporting and storing the articulated hedge trimmer.

When carrying an articulating hedge trimmer, the blade of the cutting attachment must be in the transport position. See Fig.HT2



Fig.HT2

Fig.HT2: Blade folded in transport position

2.1. Safety Operation



The articulated hedge trimmer is not insulated against electric shock!

3. Approaching or contacting electrical lines with the trimmer could cause death or serious injury.
4. Keep the trimmer at least 10 meters away from electrical lines or branches that contact electrical lines.

An articulated hedge trimmer has the potential to do serious damage if misused, abused or mishandled. To reduce the risk of injury, you must maintain control at all times, and observe all safety precautions during operation. Never permit a person without training or instruction to operate this machine!

This machine is designed especially for trimming hedges

Never use this machine for any other purposes. Never try to cut stones, metals, plastics or any other hard objects.

Using for other purposes than trimming hedges may damage the machine or cause serious injury. Always wear eye and ear protection. Manufacturer recommends wearing a face shield as additional face and eye protection. Secure long hair above shoulder level.

Always wear a hard hat to reduce the risk of head injuries during operation of this machine.

Wear non slip heavy-duty work gloves to improve your grip on the trimmer handle.

Wear snug-fitting clothes that also permit freedom of movement.

NEVER wear shorts!

Wear sturdy footwear with non-slip soles to provide good footing.

Steel-toes safety boots are recommended.

Keep bystanders at least 15 meters (50 feet) away from the operating trimmer to reduce the risk of being struck by falling or projected objects or debris.

Keep a proper footing and do not overreach - maintain your balance at all times during operation. Always operate with both hands firmly gripping the machine.

3. GETTING STARTED

3.1. Installing the hedge trimmer cutter head (see Fig.BC2)

WARNING! The cutter blades are very sharp. Do not handle the cutter assembly unless the protective blade cover is in place.

IMPORTANT! Always wear gloves when working with or near the cutter assembly.

9. Make sure the cutter bar is locked in the storage/transport position (folded back) and the protective cover is installed over the cutter blades.

10. Insert the lower tube (c) into the main pole tube (a) until shaft (b) aligns into position. Ensure assembly is tight and secured.

11. With a screwdriver, check that all screws are correctly tightened (Fig.HT3).

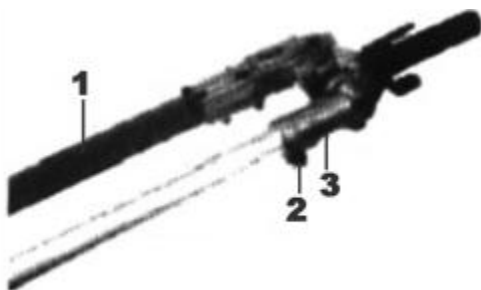


Fig.HT3

1. Protective cover must be in place

2. Tighten the screw (if needed)

3.2. Adjusting the Articulated Hedge Trimmer

3.2.1. Cutter Assembly

WARNING! The cutter blades are very sharp. Do not grasp the blades with your hands. Do not brush the blades against your body.

Never run the engine or operate the articulating hedge trimmer when the cutter assembly is in the storage/ transport position.

IMPORTANT! Always use gloves when working with or near the cutter assembly.

Position the hedge trimmer on a flat, level surface with the engine resting on the fuel tank guard.

Make sure the hedge trimmer blade cover is in place.

- With your right hand, grasp the handle, located immediately aft of the hand guard. With your left hand, grip the adjustment lever on the cutter assembly. See Fig.HT4 **IMPORTANT!** The latch lock provides an interlock to help prevent inadvertent depression of the latch release.
- With the index finger of your left hand, press the latch release. With your left thumb, press the latch lock. See Fig.HT5
- While holding the latch lock down, pivot the cutter assembly using the adjustment lever until it is straight with the outer tube (pivot 180°). See Fig.HT6.
- Release the latch lock anti the latch release. Make sure the latch lock and the latch release return securely to a locking position,
- Remove the cover from the cutter blade. The engine now may be started.

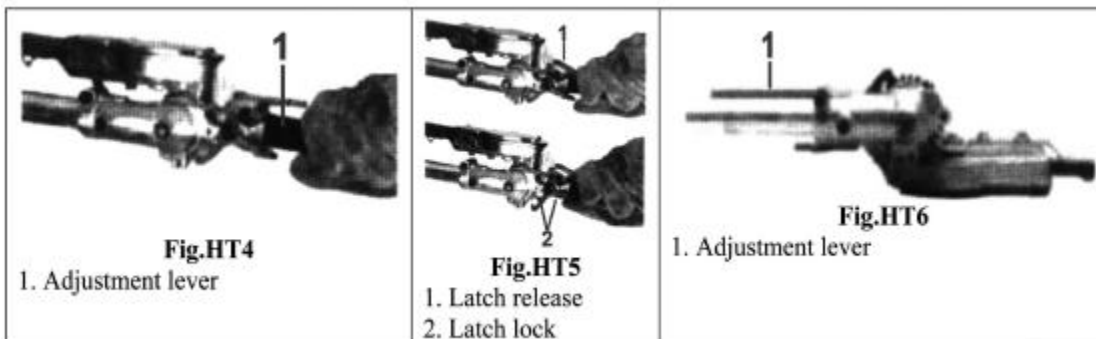


Fig.HT4: Adjustment lever

Fig.HT5:

1.Latch release

2.Latch lock

Fig.HT6:

1.Adjustment lever

3.2.2. Cutter assembly for desired cutting angles

WARNING! Do not touch the cutter blades when the engine is running. The blades can oscillate even if the engine is idling. The cutter assembly can be adjusted to 10 different positions ranging from 120° to 270° from the outer tube as shown in Fig.HT7. Refer to the steps on the previous page for the adjustment procedures. Always make sure the lock latch is securely locked after each adjustment



Fig.HT7

3.2.3. Cutter assembly for storage or transportation

WARNING! Never run the engine when adjusting the cutter assembly to the storage position

1. With the engine stopped, install the cover onto the blade.
2. Using the procedures described on the previous page, rotate the cutter assembly so it is parallel to the tube.

Make sure the latch lock and the latch release return securely to a locking position. See Fig.HT8.

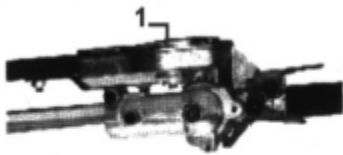


Fig.HT8

1. Gear case rotated to the storage / transportation position

Fig.HT8:

1. Gear case rotated to the storage / transportation position
3. Make sure the cover is in place on the cutters before storing or transporting

3.3. Wearing the Strap

1. Hook the strap hook to the hanger on the outer pipe.
2. Wear the strap so that the hook stays at your right-hand side.
3. Adjust the length of the strap so that you can hold and operate the machine comfortably.

3.4. Preparations

1. Wear suitable protective clothing and equipment-see section "Safety Precautions".
2. Choose the best work position for safety against falling or projected object or debris.
3. Start the engine,
4. Put on the strap.

5. Never stand directly underneath the branch you are cutting-be wary of failing branches. Note that a branch may spring back at you after it hits the ground.

4. OPERATION

4.1. Intended use

- The product is intended for domestic use.
- The product is intended for trimming hedges

4.2. Cutting sequence

If a radial cut is necessary, cut a Little at a time in several passes.

4.3. Working position

Hold the control handle with your right hand, and the shaft with your left hand. Your left arm should be extended to the most comfortable position.

NOTE: Take a rest when you feel fatigue

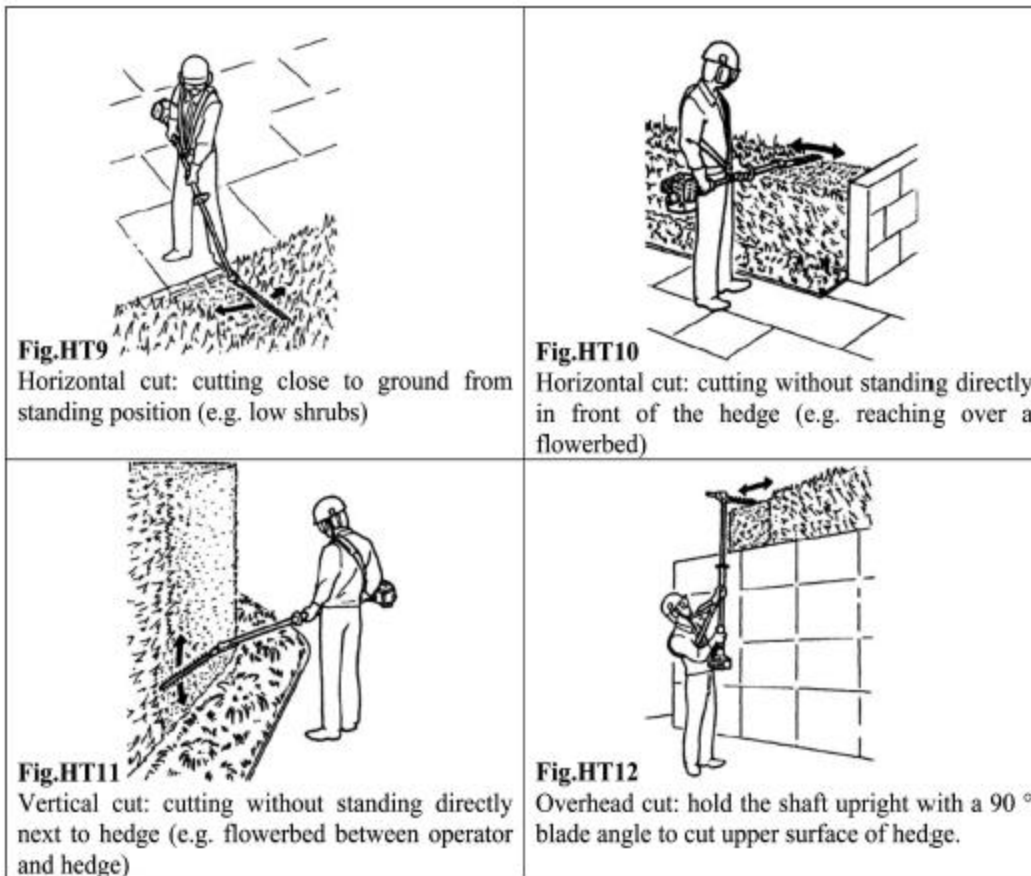
5.5. Cutting techniques (Fig. HT9 ; HT10; HT11; HT12)

5.5.1. Vertical cut:

Swing the cutting blade up and down in an arc as you move along the hedge: use both sides of the cutting blade.

5.5.2. Horizontal cut:

Hold the cutting blade 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 are swept on to the ground.



5. MAINTENANCE

5.1. Daily maintenance

WARNING! Always wear gloves when working around the cutter assembly.

- Clean any debris or dirt from the hedge trimmer cutter blades. Lubricate the blades before use and after refueling. Check the cutters for damage or incorrect adjustment.
- Check for loose or missing screws or components.
- Make sure the cutter attachment is securely fastened.
- Check the entire machine for leaking fuel or grease.
- Make sure the nuts, bolts, and screws (except carburetor adjusting screws) are tight.

WARNING! Before performing any maintenance, repair, or cleaning work on the unit, make sure the engine and cutting attachment are completely stopped. Disconnect the spark plug wire before performing service or maintenance work.

WARNING! Non-standard parts may not operate properly with your unit and may cause damages and lead to personal injury.

5.2. 10/15-hour maintenance

Lubricate the cutter assembly gearbox by pumping one or two strokes of lithium-base grease into the grease fitting using a lever-type grease gun. See Fig.HT13

CAUTION! Over-lubricating can cause the gear case to operate sluggishly and can cause grease to leak out.

5.3. 50-Hour Maintenance

Every 50 hours of operation (more frequently in dusty or dirty conditions):

1. Remove and clean the cylinder cover and clean the dirt and debris from the cylinder cooling fins.
2. Lubricate the gear case. To perform this operation, first remove the gearcase from the outer tube (See Fig.HT14)

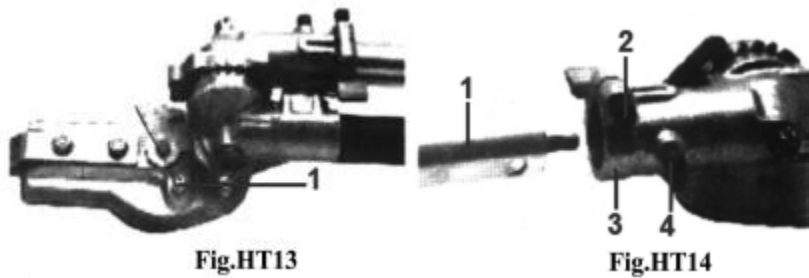


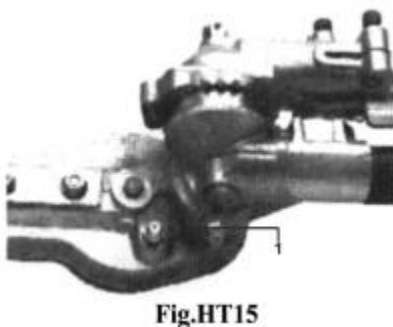
Fig. HT13: 1. Gear case grease fitting

Fig.HT14 1. Outer tube 2. Gear case clamp bolt 3. Gear case 4. Index bolt

CAUTION! Do not remove the D-shaped shim washer from the gearcase clamp! The shim washer prevents damage from over-tightening the tube damp screw.

- a. Loosen the gear case clamp bolt.
- b. Remove the index bolt from the gear case.
- c. Slide the gear case out of the tube. Using a grease gun, pump lithium-base grease (about 10 grams) into the grease fitting on the gear case until you see old grease being purged from the gear case (Fig.HT15). Purged grease will be visible in the outer tube cavity. Clean up the excess grease and then reassemble the gear case onto the outer tube.

Make sure the index bolt fits into the hole on the outer tube. Securely tighten both bolts.



1. Gear case Grease fitting

6. MAINTENANCE AND STORAGE for the WHOLE MULTIFUNCTION TOOL



Before any intervention on product, ensure that motor is off.

6.1. General Product Maintenance

Clean plastic parts with a soft clean cloth.

Do not use aggressive cleansers (solvents or abrasive cleansers), or an abrasive sponge or sharp objects.

Do not put or immerse product in water or any other liquid.

6.2. Long Term Storage

Product must be stored in a dry location. Always lock up product and keep out of reach of children. Whenever the machine will not be used for 30 days or longer, use the following procedures to prepare it for storage:

1. Clean external parts thoroughly and apply a light coating of oil to all metal surfaces.

CAUTION! Gasoline stored in the carburetor for extended periods can cause hard starting, and could also lead to increased service and maintenance costs.

2. Drain all the fuel from the carburetor and the fuel tank.

IMPORTANT! All stored fuel should be stabilized with a fuel stabilizer.

3. Remove the spark plug and pour about 3cm³ of oil into the cylinder through the spark plug hole. Slowly pull the recoil starter 2 or 3 times so oil evenly coat the interior of the engine. Reinstall the spark plug.

4. Before storing the machine, repair or replace any worn or damaged parts. Make sure the scabbard is in place. Remove the air cleaner element from the carburetor and clean it thoroughly.

Rinse and dry thoroughly, then add a few drops of oil and work it in. Reassemble.

6. Store the machine in a clean, dust-free area.

6.3. Disposal

- **Cutting remnants:** do not throw with household rubbish or into the environment. Dispose of cutting remnants in rubbish collection centres or seek advice from your local municipality.
- **Tool:** do not dispose with household garbage. Do not throw into the environment.

Remove oil and fuel from the machine, and dispose them in specific recycling centers.

Dispose of the product in a waste collection centre; or seek advice from your local municipality.

- Proceed with disposal of remnants, tool, accessories, fuel mixture, oil and packaging according to local regulations regarding the protection of the environment.

TROUBLESHOOTING

Problems	Causes	Resolutions
The tool cannot be started	The starting process is not followed	Follow the instructions of use of this manual
	Spark plug dirty or moist	Clean the spark plug or replace it by a new one
	Incorrect carburettor adjustment	Contact your dealer or contact SWAP
The tool starts but no in a full power	Non-correct setting of the starter	Open the starter
	Air filter is dirty	Clean the air filter
	Incorrect carburettor adjustment	Contact your dealer or contact SWAP
The engine cannot reach its maximal power	Non-correct gap between the electrode and the spark plug	Clean the spark plug and adjust the gap between the electrodes or replace them with a new one
	Incorrect carburettor adjustment	Contact your dealer or contact SWAP
The engine generate of lot of smoke	Incorrect mix of the tank	Do a correct mix of the fuel (see the corresponding chapter)
	Incorrect carburettor adjustment	Contact your dealer or contact SWAP

DECLARATION OF CONFORMITY EU



DECLARATION OF CONFORMITY EU

BUILDER SAS

ZI, 32 RUE ARISTIDE BERGES 31270 CUGNAUX, FRANCE
Tel: +33 (0)534.502.50 Fax: +33 (0)534.502.503

Declares that the machines:

Petrol multi-tool 52 cm³ - 2 in 1

RAC432KIT

Serial No.: **20220601251-20220603050**

the people name holding the technical file : M. Olivier Patriarca

have been designed in compliance with the following standards:

EN ISO 11680-1:2011

EN ISO 10517:2009+A1:2013

EN ISO 14982: 2009

And in accordance with the following directives:

Directive Machine 2006/42/EC

Directive EMC 2014/30/EU

Emission directive 2016/1628/EU

Noise Directive 2000/14/EC & Annex V Directive 2005/88/EC

Sound power level: 105,4 dB(A) K = 3 dB(A)

Guarantee sound power level: 111dB(A)

Philippe MARIE / PDG

A handwritten signature in black ink, appearing to be 'Philippe Marie', written over a circular stamp or seal.

Cugnaux, 16/05/2022

WARRANTY



WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).



PRODUCT FAILURE

WHAT TO DO IF MY MACHINE BREAKS DOWN?

If you bought your product in a store:

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

If you bought your product on a website:

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site.

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.

For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>

Our hotline remains available at +33 (9) 70 75 30 30.



WARRANTY EXCLUSIONS

THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station.
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

Attention: All orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, you must simply refuse the delivery and notify your refusal.

Reminder: The reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

Information: Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.



BUILDER SAS

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