



Owner's manual

Read these instructions carefully and make sure you understand them before using the machine.

Bedienungsanleitung

Lesen Sie die Bedienungsanleitung sorgfältig durch und machen Sie sich mit dem Inhalt vertraut, bevor Sie die Maschine benutzen.

Manuel d'utilisation

Lire attentivement et bien assimiler le manuel d'utilisation avant de se servir de la machine.

Istruzioni per l'uso

Prima di mettere in esercizio la macchina leggere accuratamente le seguenti istruzioni.

Instruções para uso

Leia as instruções para o uso com toda a atenção e compreenda o seu conteúdo antes de fazer uso da máquina.

Instruções para uso

Leia as instruções para o uso com toda a atenção e compreenda o seu conteúdo antes de fazer uso da máquina.

HT 2122T

HT 2126T

HT 2130

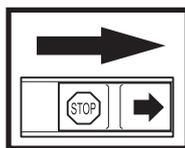
Key to symbols



WARNING!

Hedge trimmers can be dangerous!

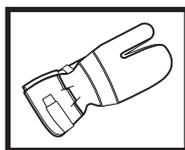
Negligence or incorrect use can result in serious, even fatal injury.



Switch off the engine by moving the stop switch to the STOP position before carrying out any checks or maintenance.



Read the instructions carefully and make sure you understand them before using the machine.

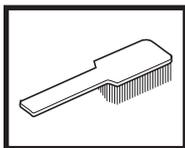


Always wear safety gloves.



Always wear:

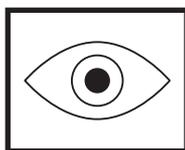
- Hearing protection
- Eye protection



Regular cleaning is required.



Do not touch the clippers without first switching off the engine.



Visual check.



This product is in accordance with applicable CE directives.



Safety glasses or visor must be worn.



Noise emission to the environment according to the European Community's Directive. The machine's emission is specified in chapter Technical data and on label.

Other symbols/decals on the machine refer to special certification requirements for certain markets.

EC declaration of conformity (Only applies to Europe)

We, **Jonsered**, SE-561 82 Huskvarna, Sweden, tel: +46 36-146500, declare under sole responsibility that the hedge trimmers **Jonsered HT2122T, HT2126T, HT2130** from 2002s serial numbers and onwards (Y004701), are in conformity with the following standards or other normative documents following the provisions in the COUNCIL'S DIRECTIVES:

- of June 22 1998 relating to machinery **98/37/EC**, annex IIA.
- of May 3 1989 relating to electromagnetic compatibility **89/336/EEC**, and applicable supplements.
- of May 8, 2000 relating to the emission of noise to surroundings **2000/14/EC**.

For information relating to noise emissions, see the chapter Technical data.

The following standards have been applied: EN292-2, CISPR 12:1997, EN774.

SMP Svensk Maskinprovning AB, Fyrisborgsgatan 3, SE-754 50 Uppsala, Sweden, has performed voluntary type examination on behalf of Huskvarna AB. The certificates are numbered: **SEC/99/712, 01/094/003 - 325HS75, SEC/99/712, 01/094/004 - 325HS99.**

Huskvarna 3 January 2002

Bo Andréasson, Development manager.

Contents

Husqvarna AB has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

IMPORTANT!

A too lean carburettor adjustment significantly increases the risk of an engine breakdown.

Insufficient care of the air filter will cause deposits on the spark plug resulting in starting difficulties.



WARNING!

Under no circumstances may the design of the machine be modified without the permission of the manufacturer. Always use genuine accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.

Symbols explanation

Symbols _____ 2

Contents

Before using a new machine _____ 3

Contents _____ 3

Safety instructions

Personal safety equipment _____ 4

The machine's safety equipment _____ 4

Control, maintenance and service of the machine's safety equipment _____ 6

Sharpening of the clippers _____ 7

Checking the clippers _____ 7

General safety instructions _____ 7

General working instructions _____ 8

Basic safety precautions _____ 8

Basic work technique _____ 9

What is what?

What is what? _____ 10

Technical data

HT 2122 T, HT 2126 T _____ 10

HT 2130 _____ 11

Assembly

Assembly _____ 12

Fuel handling

Petrol _____ 12

Two-stroke oil _____ 12

Mixture _____ 12

Fuelling _____ 13

Start and stop

Cold engine _____ 13

Varm engine _____ 13

Start _____ 13

Stopping _____ 14

Maintenance

Carburettor setting _____ 14

Air filter _____ 14

Spark plug _____ 14

Replacement of starter cord and/or return spring _____ 15

Silencer _____ 15

Blades _____ 16

Gear case _____ 16

Cooling system _____ 16

Maintenance schedule _____ 16

Safety instructions

Personal safety equipment

IMPORTANT INFORMATION

- **Incorrect or careless use of this machine can turn it into a dangerous tool that can cause serious or even fatal injury.**
It is extremely important that you read and understand this manual.
- **When using this machine the safety equipment approved by the appropriate authorities must be used. Personal safety equipment does not eliminate the risk of accidents, however, it can reduce the effects of an injury in the event of an accident. Ask your dealer for help when choosing safety equipment.**



WARNING!

Remove your hearing protection as soon as you stop the engine, so that you can hear any noises or warning signals.

Gloves

Gloves should be worn when necessary, e.g., when assembling cutting equipment.

Ear protection

Ear protection offering sufficient dampening effect should be used.

Eye protection

Blows from branches or objects thrown by the rotating cutting equipment can damage the eyes.

Shoes or boots

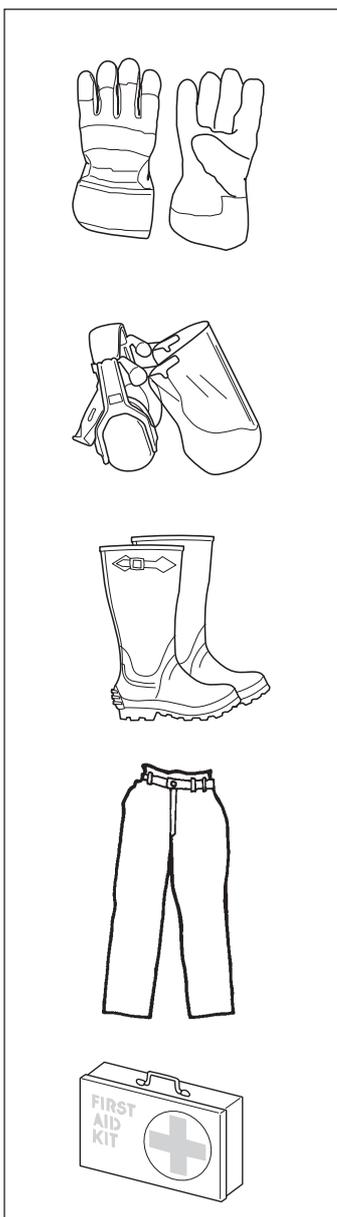
Use anti-slip and sturdy footwear.

Clothing

Wear clothes made of a strong fabric and avoid loose clothing that can catch on shrubs and branches. Always wear heavy-duty long pants. Do not wear jewellery, shorts, sandals or go barefoot. Secure hair so it is above shoulder level.

First aid kit

A first aid kit should always be carried by the operator.



The machine's safety equipment

This section describes the machine's safety equipment, its function and how checks and maintenance are carried out to ensure that it operates correctly. (See the chapter "What is what" to locate where this equipment is positioned on your machine.)

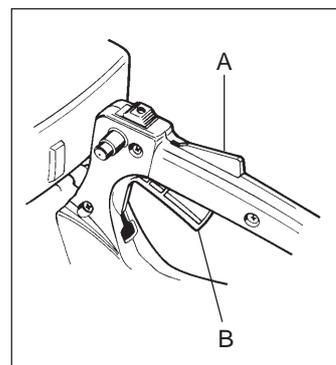


WARNING!

Never use a machine with defective safety equipment. Follow the control, maintenance and service instructions described in this section.

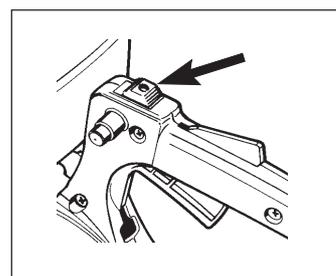
1. Throttle trigger lock

The throttle trigger lock is designed to prevent the throttle from accidentally being engaged. When the trigger lock (A) is pressed into the handle the throttle (B) is released. When the grip on the handle is released the throttle and the throttle trigger lock return to their original positions. This takes place via two independent return spring systems. This means that the throttle is automatically locked in its "idling" position.



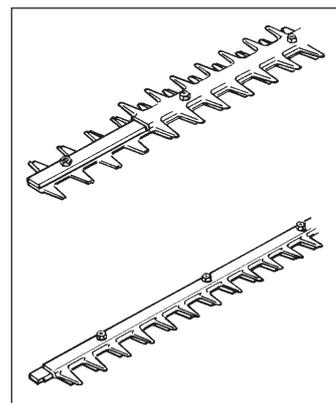
2. Stop switch

The stop switch should be used to stop the engine.



3. Blad guard

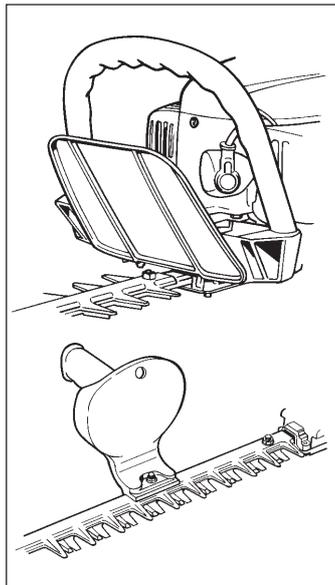
Reduces the risk of the hand coming in contact with the clippers if it slides off the handle.



4. Hand guard

The guard is fitted in front of the front handle (mod. HT 2122 T and HT 2126 T) and has the purpose of protecting the left hand from injury, e.g. from twigs and branches.

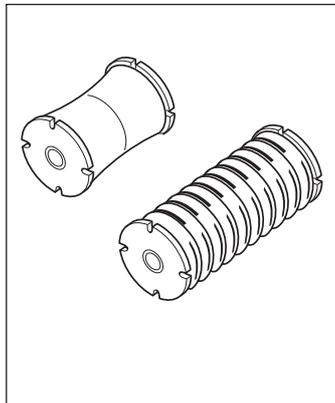
Model HT 2130 has a similar guard.



5. Vibration damping system

Your machine is equipped with a vibration damping system, which is designed to give as vibration-free and comfortable use as possible.

The machine's vibration damping system reduces the transfer of vibrations between the engine unit/cutting equipment and the machine's handles.



WARNING!

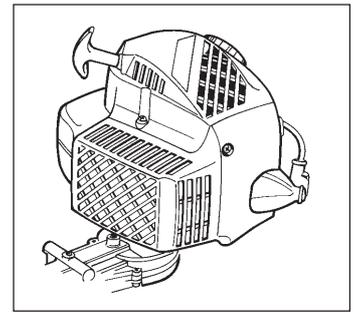
Over exposure to vibrations can result in blood-vessel or nerve injury to persons suffering with blood circulation problems. Seek medical attention if you experience physical symptoms that can be related to over exposure to vibrations. Examples of such symptoms are "numbness", lack of feeling, "tickling", "pricking", "pain", lack of or a reduction in normal strength, changes in the colour of the skin or its surfaces. These symptoms normally appear in the fingers, hands or wrists.

6. Silencer

The silencer is designed to give the lowest possible noise level and to direct the engine's exhaust fumes away from the operator.

The engine's exhaust fumes are hot and can contain sparks, which can lead to the outbreak of fire.

It is extremely important that the instructions for checking, maintaining and servicing the silencer are followed. (See the section "Control, maintenance and service of the machine's safety equipment").



WARNING!

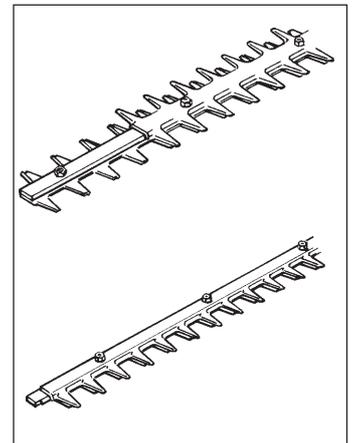
During use and for some time after the silencer is very hot. Do not touch the silencer if it is hot!

7. Clippers

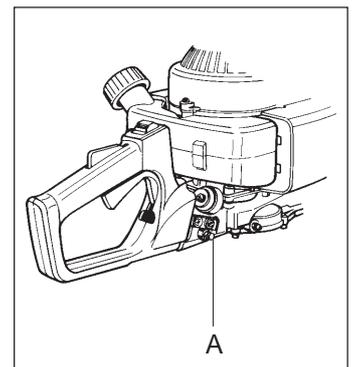
Make sure that the clippers are not damaged by cutting steel wire, nails, or by excessive force.

NOTE!

During transport and storage the transport guard should always be fitted over the clippers.



On Mod. HT 2122 T and HT 2126 T the rear grip can be turned to ensure a good working position for the hand, when for example trimming the side of a hedge.



NOTE!

Check that the nut (A) is well tightened after adjusting the grip.

Safety instructions

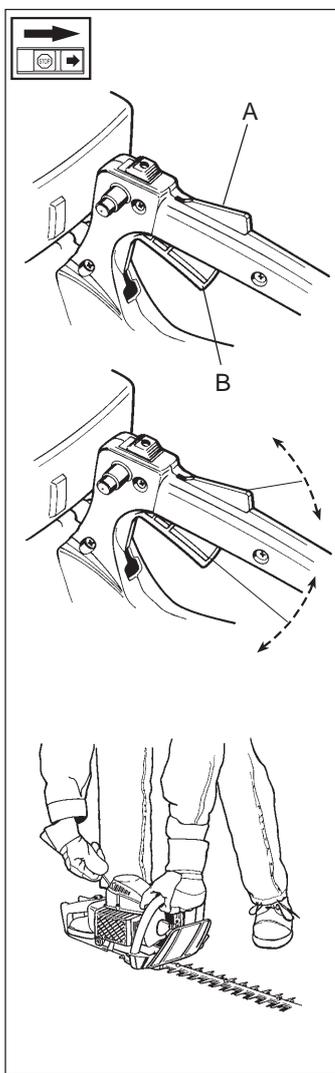
Control, maintenance and service of the machine's safety equipment

IMPORTANT INFORMATION

- All service and repairs to the machine require special training.
- This applies especially to the machine's safety equipment. If the machine does not meet any of the controls listed below you should contact your service workshop.
- The purchase of one of our products guarantees that professional repair and servicing will be carried out on it. If the point of purchase is not one of our servicing dealers, please ask for details of the closest service workshop.

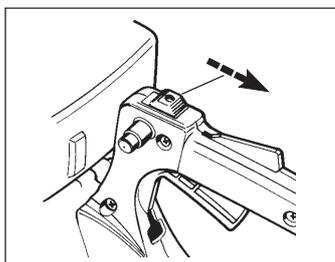
1. Throttle trigger lock

- Check that the throttle (B) is locked in the "idling position" when the throttle trigger lock is in its original position.
- Press in the throttle trigger lock (A) and make sure it returns to its original position when released.
- Ensure that the throttle and throttle trigger lock move easily and that their return spring systems function.
- Start the machine and apply full throttle. Release the throttle and check that the cutting equipment stops and remains at a standstill. If the cutting equipment rotates with the throttle in the idling position then the carburettor's idling setting must be checked. See chapter "Maintenance".



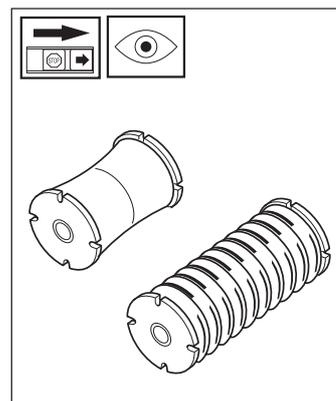
2. Stop switch

- Start the engine and make sure that the engine stops when the stop switch is moved to the stop position.



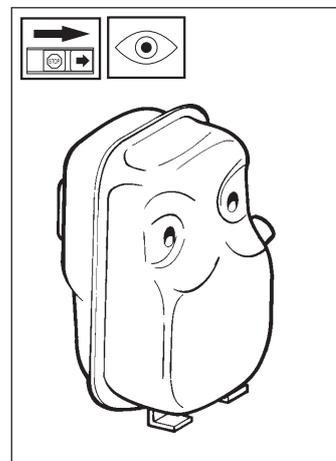
3. Vibration damping system

- Check the vibration damping elements regularly for material cracks and distortion.
- Check that the vibration damping elements are securely attached between the engine unit and the cutting equipment.



4. Silencer

- Never use a machine that has a defective silencer.
- Check regularly that the silencer is secure.

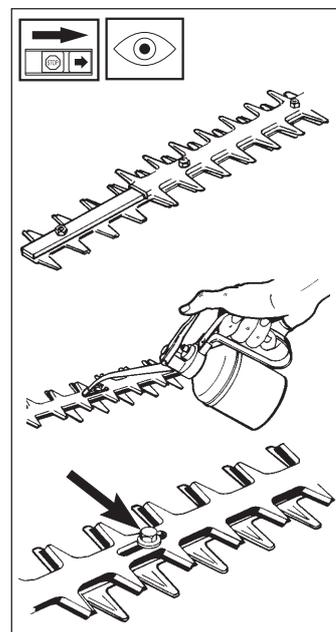


5. Cutting equipment

This section describes how through correct maintenance and through using the right type of cutting equipment you can:

- Ensure maximum clearing capacity.
- Increase the service life of the cutting equipment.

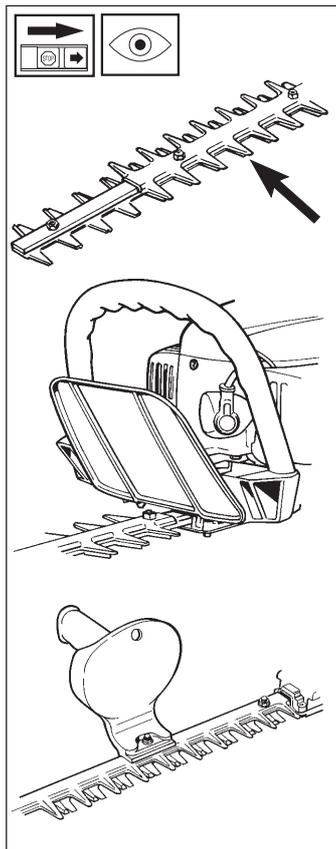
- Only use the recommended clippers!
- Keep the clippers well oiled and correctly maintained! Insufficient oiling increases wear.
- Check that the screws which hold the clippers together are always tight.



6. Blade and hand guard

Check that the blade guard is secure and not damaged.

Check that the left and right hand guard are in good condition without visible defects, e.g. cracking.



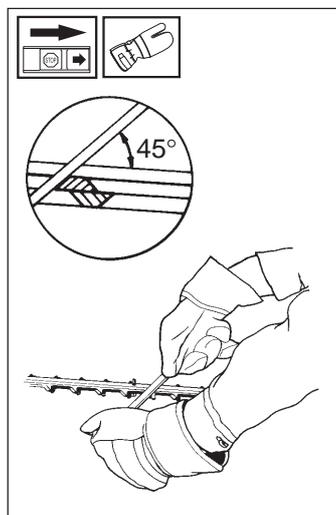
WARNING!

Never use a machine with defective safety equipment. The safety equipment should be maintained as described in this section. If your machine does not meet any of these controls you should contact your service workshop.

Sharpening of the clippers

It is important that the clippers are always sharp to ensure full cutting capacity and clean cuts.

Dismantle the blade guard and use a plain file to sharpen the teeth. The filing angle should be 45°.

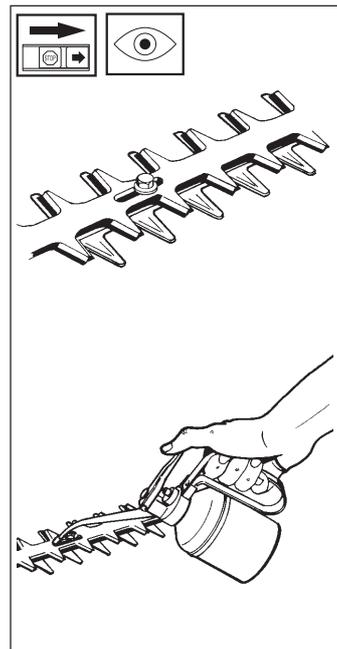


Checking the clippers

Check the clippers each time they are used for:

- Damage and wear to the teeth.
- Wear on the blade's guide slots, screws and washers.
- Warping of the blade.
- Oiling of the blade and gear case.

See chapter "Maintenance" for appropriate measures.



WARNING!

Defective clippers can increase the risk of accidents.

General safety instructions

IMPORTANT INFORMATION

- The machine is only designed for cutting hedges.
- The only accessories to be used with the engine as a drive source are the cutting units we recommend.
- Never use the machine if you are tired, if you have consumed alcohol, or if you are taking medicines that can affect your sight, your judgement or the control of your body.
- Use personal safety equipment. See the section "Personal safety equipment".
- Never use a machine that has been modified so that it no longer corresponds with the original design.
- Never use a machine that is faulty. Follow the maintenance, control and service instructions in this Operator's Manual.

Some maintenance and service actions should be carried out by trained and qualified specialists. See the chapter "Maintenance".

- All covers and guards must be fitted before starting the machine. Check that the spark plug cap and HT lead are not damaged, otherwise you could get an electric shock.

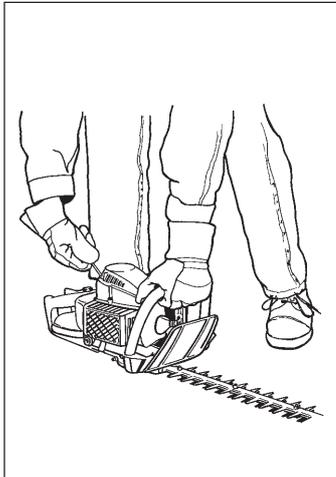
Safety instructions

A. Start

- Never start the engine indoors. The toxic exhaust gases are hazardous to inhale.
- Make sure that there is no risk of people or animals coming in contact with the clippers.

- Place the machine on the ground and make sure that the clippers are free from branches and stones.

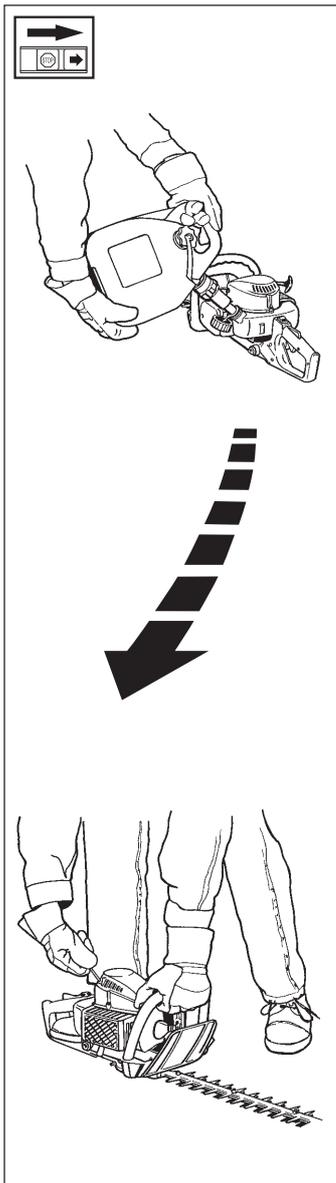
Press the engine to the ground with the left hand. Grip the start handle with the right hand and slowly pull out until a resistance is felt (start hooks engage). Now give a quick and strong pull.



B. Fuel safety

- Always use a fuel container with an anti-spill valve.
- Never fill the machine while the engine is running.
- Provide good ventilation when filling or mixing fuel.
- Move the machine at least 3 m from the filling position before starting.
- Never start the machine.

- a) If you have spilt fuel on it:
Wipe up all spillage.
- b) If you have spilt fuel on yourself or your clothes:
Change your clothes.
- c) If there is a fuel leak:
Replace damaged parts.
Make regular checks for leakage from the fuel cap and the fuel supply pipes.



C. Storage

- Store the machine and fuel so that any leakage or fumes do not risk coming into contact with sparks or naked flames. For example, electric machines, electric motors, electrical switches/power switches, heaters or the like.
- When storing fuel approved containers intended for this purpose must be used.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local petrol station to find out how to dispose of excess fuel.
- The guard over the clippers should always be fitted when the machine is not in use.

WARNING!
Exercise great care when handling fuel. Bear in mind the risk of fire, explosions and inhaling fumes.

General working instructions

IMPORTANT INFORMATION

- This section takes up the basic safety precautions.
- If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop.
- Avoid all usage which you consider to be beyond your capability.

Basic safety precautions

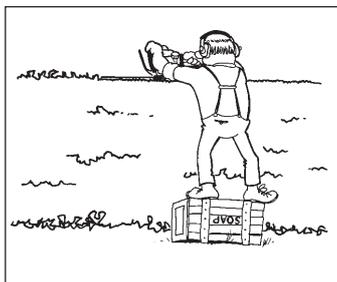
1. Observe your surroundings.
 - To ensure that people, animals or other things cannot affect your control of the machine.
 - To ensure that the above mentioned do not come into contact with the cutting equipment or objects that can be thrown by the cutting equipment.



WARNING!
Never use a machine without the possibility of calling for help in the event of an accident.

- Avoid usage in unfavourable weather conditions. For example, thick fog, heavy rain, strong winds or extreme cold, etc. To work in bad weather conditions is tiring and can create dangerous circumstances, e.g. slippery surface.

- Make sure you can walk and stand safely. Look out for any obstacles with unexpected movement (roots, stones, branches, pits, ditches, etc.). Take great care when working on sloping ground.

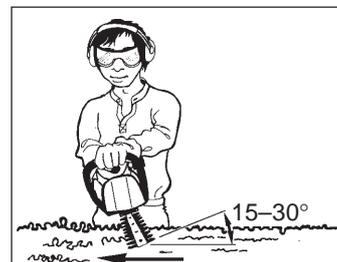


- When moving over longer distances and transporting the transport guard should be used.
- Never put the machine down with the engine running unless you have good sight of it.
- Never allow children to use the machine.

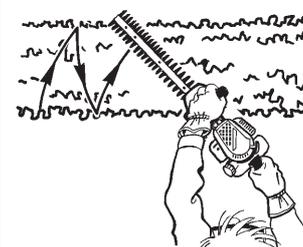
Basic working technique

- Always cut with the engine at full throttle.
- Let the engine idle after each work phase. Full revs without loading the engine can seriously damage the engine.
- Observe great caution when working close to power lines and wire fencing.

When trimming the top of a hedge the clippers should be held so that the blade is at an angle of between 15° and 30° to the horizontal plane.

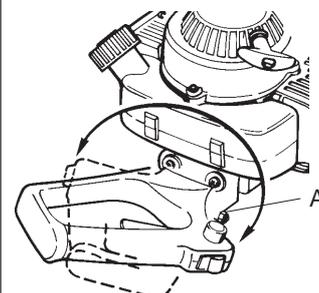


Swing the clippers in an arch over the hedge so that cut branches are swept off.



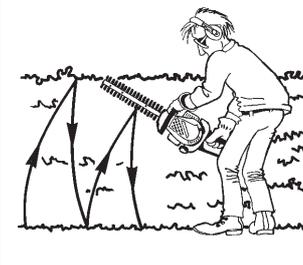
To ensure a good working position for the hand when trimming hedge sides the rear grip can be turned on mod. HT 2122 T and HT 2126 T.

Release the nut (A) and turn the handle 90° in either direction.

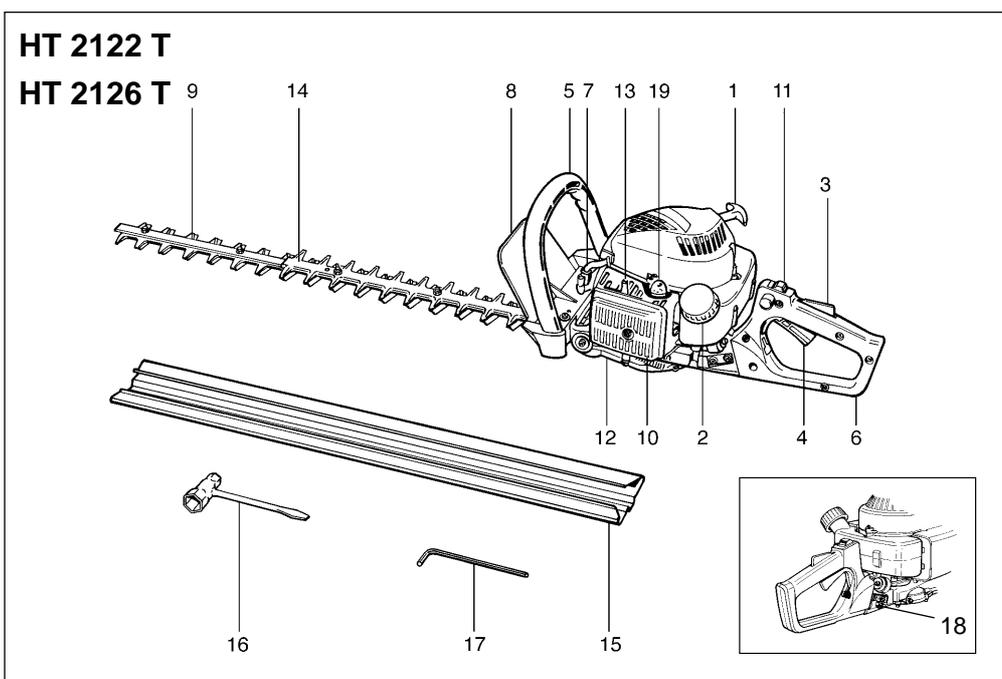


NOTE!
Remember to tighten the nut well after making the adjustment.

When trimming the sides of the hedge hold the blade vertically and swing the clippers in an arch.



What is what? – Technical data



1. Recoil starter
2. Fuel tank
3. Safety lever
4. Throttle lever
5. Front handle
6. Rear handle
7. Spark plug
8. Hand guard
9. Cutting blade
10. Air cleaner
11. Stop switch
12. Gear case
13. Choke lever
14. Blade guard
15. Transport guard
16. Plug key
17. Hex key
18. Locking nut for turning of handle
19. Air purge

Technical data

Engine type	_____	2 cycle, single cylinder
Engine size	_____	21 cm ³ (HT 2122 T) 24 cm ³ (HT 2126 T)
Max power	_____	0.7kW / 8,000rpm (HT 2122T) 1.0kW / 8,000rpm (HT 2126T)
Carburettor	_____	Walbro, diaphragm
Ignition system	_____	Electronic
Spark plug	_____	NGK BPMR-6A or equivalent
Fuel tank capacity	_____	0.35l
Dry weight	_____	4.2 kg (HT 2122 T) 4.7 kg (HT 2126 T)
Overall cutter length	_____	550 mm (HT 2122 T) 650 mm (HT 2126 T)
Blade width	_____	35 mm
Blade speed (at 7,000rpm)	_____	0.75 m/s
Noise emissions	(see note 1)	
Sound power level, measured dB (A).	_____	101.0 dB(A) (HT 2122 T) 102.9 dB(A) (HT 2126 T)
Sound power level, guaranteed LWA dB (A).	_____	104.0 dB(A) (HT 2122 T) 104.0 dB(A) (HT 2126 T)
Sound levels	(see note 2)	
Equivalent sound pressure levels at the user's ear, measured acc. to EN ISO 11806 and 7917, dB (A):	_____	90.8 dB(A) (HT 2122 T) 93.8 dB(A) (HT 2126 T)
Vibr. front handle, idling	_____	1.2 m/s ² (HT2122 T)
(at per ISO 7916)	_____	2.0 m/s ² (HT2126 T)
Vibr. front handle, full revs	_____	4.8 m/s ² (HT2122 T)
(at per ISO 7916)	_____	4.4 m/s ² (HT2126 T)
Vibr. rear handle, idling	_____	3.6 m/s ² (HT2122 T)
(at per ISO 7916)	_____	4.5 m/s ² (HT2126 T)
Vibr. rear handle, full revs	_____	9.0 m/s ² (HT2122 T)
(at per ISO 7916)	_____	9.5 m/s ² (HT2126 T)

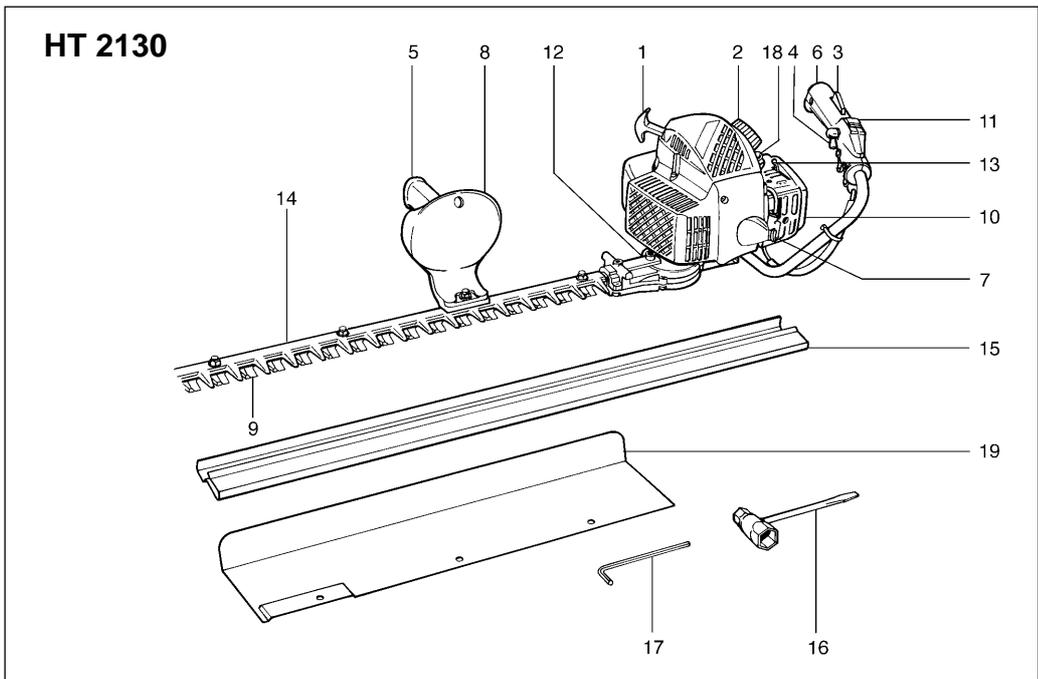


Owner's manual

Note 1: Emission of noise to the surroundings measured as sound power (L_{WA}) in accordance with the EU directive 2000/14/EC.

Note 2: Equivalent sound pressure level is calculated as the time-weighted energy total for sound pressure levels under various working conditions with the following time distribution: 1/2 idling and 1/2 max speed.

What is what? – Technical data



1. Recoil starter
2. Fuel tank
3. Safety lever
4. Throttle lever
5. Front handle
6. Rear handle
7. Spark plug
8. Hand guard
9. Cutting blade
10. Air cleaner
11. Stop switch
12. Gear case
13. Choke lever
14. Blade guard
15. Transport guard
16. Plug key
17. Hex key
18. Air purge
19. Collector plate

Technical data

Engine type	_____	2 cycle, single cylinder
Engine size	_____	24 cm ³
Max power	_____	1.0kW / 8,000rpm
Carburettor	_____	Walbro, diaphragm
Ignition system	_____	Electronic
Spark plug	_____	NGK BPMR-6A or equivalent
Fuel tank capacity	_____	0.35 l
Dry weight	_____	5.13 kg
Overall cutter length	_____	760 mm
Blade width	_____	35 mm
Blade speed (at 7,000rpm)	_____	0.75 m/s
Noise emissions	(see note 1)	
Sound power level, measured dB (A).	_____	103.1 dB(A)
Sound power level, guaranteed LWA dB (A).	_____	104.0 dB(A)
Sound levels	(see note 2)	
Equivalent sound pressure levels at the user's ear,	measured acc. to EN ISO 11806 and 7917, dB (A): _____	
measured acc. to EN ISO 11806 and 7917, dB (A):	_____	90.8 dB(A)
Vibr. front handle, idling	_____	1.9 m/s ² (at per ISO 7916)
Vibr. front handle, full revs	_____	5.2 m/s ² (at per ISO 7916)
Vibr. rear handle, idling	_____	4.4 m/s ² (at per ISO 7916)
Vibr. rear handle, full revs	_____	5.0 m/s ² (at per ISO 7916)



Owner's manual

Note 1: Emission of noise to the surroundings measured as sound power (L_{WA}) in accordance with the EU directive 2000/14/EC.

Note 2: Equivalent sound pressure level is calculated as the time-weighted energy total for sound pressure levels under various working conditions with the following time distribution: 1/2 idling and 1/2 max speed.

Assembly – Fuel handling

Assembly

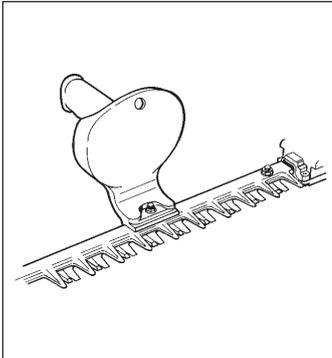


WARNING!

The hedge trimmers must only be used with the clippers which are fitted on the original machine.

Model HT 2122 T and HT 2126 T is delivered assembled and ready for use.

Model HT 2130 is delivered with the front handle loose. Fit it on the appropriate screw on the bar. Use the screw and the hole in the handle which gives the best working position.



NOTE!

Do not tighten the screw so tightly that the blade is clamped tight. See chapter "Maintenance" for information on blade adjustment.



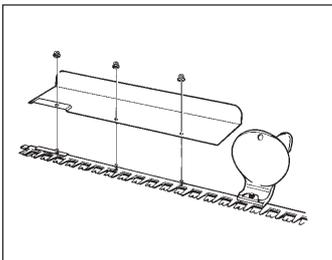
WARNING!

The machine is fitted with a two-stroke engine and must always be run on a mixture of petrol and two-stroke oil. To ensure the correct mixture proportions it is important to measure the quantity of oil accurately. When mixing small amounts of fuel small discrepancies in the amount of oil has a great bearing on the proportions of the fuel mixture. Always provide good ventilation when handling fuel.

Model HT 2130 can be fitted with a collector plate for cut material, fitted on the cutter member.

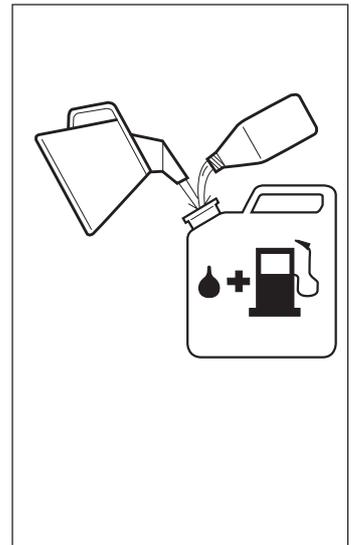
Remove the three main nuts on the cutter member. Tighten the bolts and then unscrew them a half turn.

Place the plate over the bolts and tighten the nuts. Make sure that the bolts do not turn when tightened!



Petrol

- Use unleaded or quality leaded petrol.
- The lowest recommended octane rating is 90. If you run the engine on a petrol with a lower octane rating than 90 so-called "knocking" can occur. This leads to an increased engine temperature, which can result in a serious engine breakdown.
- When working at continuous high revs a higher octane rating is recommended.



Two-stroke oil

- For the best results use Jonsered two-stroke oil. Mixing ratio 1:50 (2%).
- If Jonsered two-stroke oil is not available you can use a high quality two-stroke oil intended for air cooled engines. Contact your dealer when selecting an oil. Mixing ratio: 1:33 (3%).
- Never use two-stroke oil intended for water cooled outboard motors, so-called outboard motor oil.
- Never use oil intended for four-stroke engines.

Mixture

- Always mix petrol and oil in a clean container intended for petrol
- Always start by filling half the quantity of petrol required. Then add the entire oil quantity. Mix (shake) the fuel mixture. Fill the remaining quantity of petrol
- Mix (shake) the fuel mixture carefully before filling in the machine's fuel tank.
- Do not mix fuel for more than approx. 2 months use.
- If the machine is not used for a long period of time, the fuel tank should be emptied and cleaned.

		
	Petrol	Oil
Lit.	Lit.	
	2 % (1:50)	3 % (1:33)
5	0,10	0,15
10	0,20	0,30
15	0,30	0,45
20	0,40	0,60

Fuelling



WARNING!

The following precautions reduce the risk of fire:

Do not smoke or place any source of heat in the vicinity of the fuel.

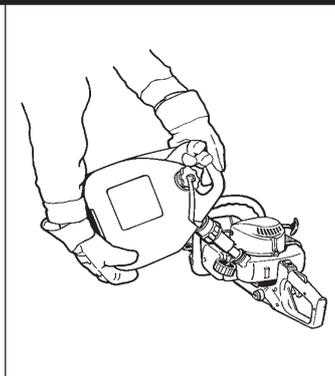
Never refuel when the engine is running.

Open the fuel cap slowly when fuelling so that any over pressure is released slowly.

Tighten the fuel cap carefully after refuelling.

Always move the machine from the fuelling place before starting.

- Clean around the fuel cap. Contamination in the tank can disrupt operations.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.

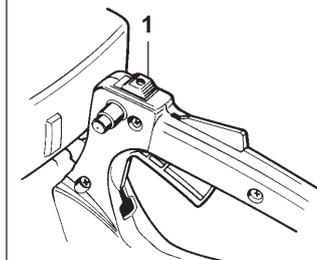
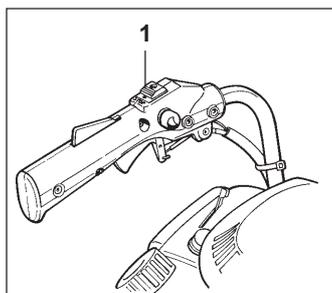


WARNING!

- **Always move the machine from the filling position before starting.**
- **Place the hedge trimmers on a firm surface and make sure that you are standing in a well-balanced position before starting the engine.**
- **Make sure that no unauthorised persons are in the working area.**
- **Check before starting that the clippers cannot bite into any object.**

Fuel handling Start and stop Cold engine

1. Push the short-circuiting switch (1) to "ON" (forwards).
2. Push the choke control to closed position (2).
3. Press in the air purge(3) 3 – 4 times.



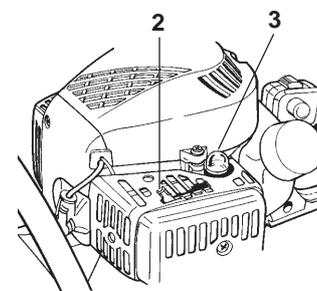
Varm engine

Use the same starting procedure as for the cold engine, but do not set the choke control in the choke position.

Start

Grip the starter handle and slowly pull out the starter cord until a resistance is felt (starter prawl engages).

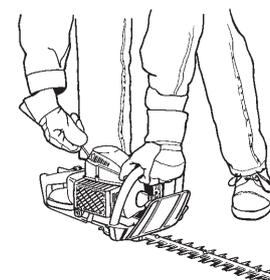
Now give a quick and strong pull.



NOTE!

Do not pull the starter cord out completely and do not release the starter cord from the fully extended position. This can damage the machine.

Move the choke control back to the initial position immediately when the engine fires, and make repeated attempts to start until the engine starts.



WARNING!

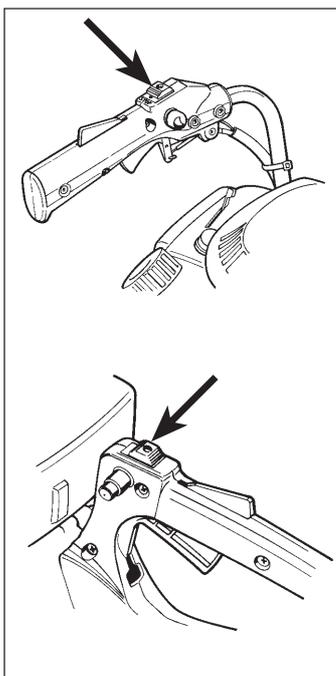
Beware of the moving cutting blades when the engine is started.

Start and stop – Maintenance

Stopping

The engine is stopped by switching off the ignition.

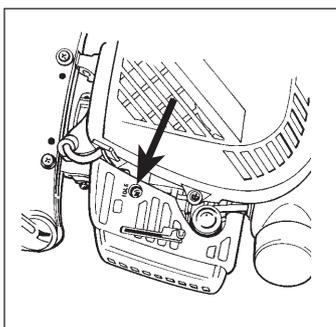
Move the stop switch backwards to the STOP position.



Carburettor setting

In the carburettor, fuel is mixed with air. When the engine is test run at the factory, the carburettor is basically adjusted. A further adjustment may be required, according to climate and altitude. The carburettor has one adjustment possibility:

T = Idle speed adjustment screw "IDLE".



Adjustment (T) "IDLE"

Check that the air filter is clean.

When the idle speed is correct, the cutter will not move.

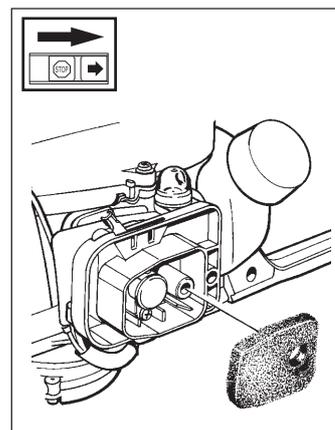
If adjustment is required, close (clockwise) the T-screw, with the engine running, until the cutter starts to move. Open (counter-clockwise) the screw until the cutter stops. You have reached the correct idle speed when the engine runs smoothly in all positions well below the rpm when the cutter starts to move.

If the cutter still moves after idle speed adjustment, contact your service workshop.

Air filter

The air filter must be cleaned from dust and dirt in order to avoid:

- Carburettor malfunctions.
- Starting problems.
- Engine power reduction.
- Unnecessary wear on the engine parts.
- Abnormal fuel consumption.



Cleaning/changing the air filter

Clean the filter after every 25 hours or more regularly if operating conditions are exceptionally dusty.

Dismantle the air filter cover and remove the air filter. Wash in clean, warm soapy water.

Ensure that the filter is dry before refitting.

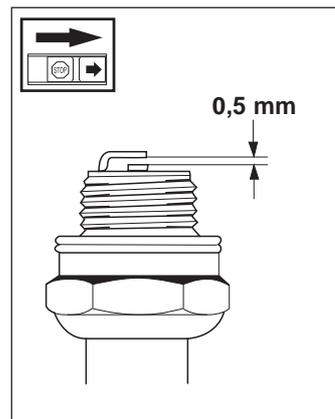
An air filter used for a long period of time can never be cleaned completely. Therefore it is necessary to replace the filter from time to time with a new filter. A damaged air filter must always be replaced.

Spark plug

The condition of the spark plug is affected by:

- An incorrect carburettor setting.
- An incorrect fuel mixture (too much oil).
- A dirty air filter.

These factors cause deposits on the spark plug electrode that may result in malfunction or starting difficulties.



If the machine is low on power, difficult to start or runs poorly while idling always check the spark plug first.

If the spark plug is dirty, clean it and at the same time check that the electrode gap is 0.5 mm. The spark plug should be changed after about one month of operation or earlier if necessary.

NOTE!

Always use the recommended type of spark plug. An incorrect spark plug can damage the cylinder/piston.

 **WARNING!**
When the engine is idling the cutter must under no circumstances move.



WARNING!

- The return spring is tensioned in the starter housing and can with negligent handling spring out and cause injury.
- Observe care when replacing the starter spring or starter line. Use protective glasses.

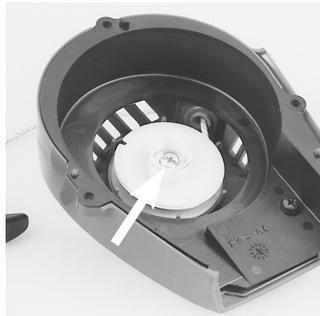
Replacement of starter cord and/or return spring



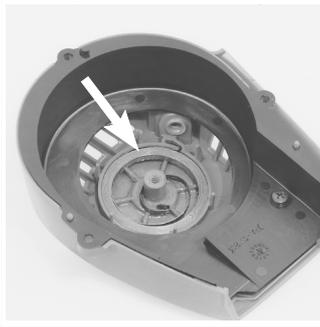
1. Remove the 4 screws which hold the starter device, and lift off.



2. Make sure that the return spring is untensioned and dismantle the screw which holds the pulley. Lift off the pulley.



3. Remove the defective return spring replace with a new one.

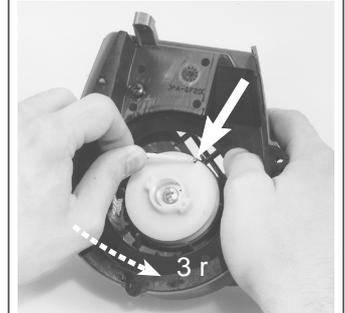
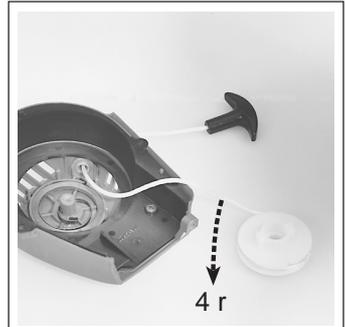


WARNING!

The spring can with negligent handling spring out and cause injury. Use protective glasses.

Lubricate the spring with thin motor oil.

1. Insert a new starter cord through the hole in the starter and anchor it in the pulley and starter handle with a knot.
2. Wind 4 turns on line on the pulley anti-clockwise.
3. Place the pulley over the journal and make sure that the return spring grips in the pulley. Fit the centre screw with the accompanying washer.
4. Lift up the cord in the recess on the pulley and turn the wheel about 3 turns anti-clockwise to tension the return spring.
5. Check that the pulley can be turned an additional 1/2 turn when the starter cord is fully withdrawn.
6. Fit the starter by first pulling out the starter cord a little and then placing the starter in position against the crankcase. Now release the starter cord slowly so that the start hooks grip in the pulley.
7. Tighten the screws which hold the starter.

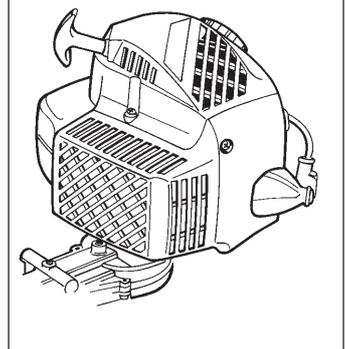
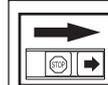


Silencer

The silencer is designed to dampen the noise level and to direct the exhaust fumes away from the user. The exhaust fumes are hot and can contain sparks, which can result in fire if the exhaust fumes are directed towards a dry or inflammable material.

NOTE!

Never use a machine with a defective silencer.



Blades

The blades have been fitted in the blade guide with four resp. five screws. These screws must be tightened so that the clearance is sufficient for the blades to move freely.

When there is not enough clearance:

The blades cannot move freely. There is too much friction on the sliding surfaces.

When there is too much clearance:

The blades do not cut efficiently.

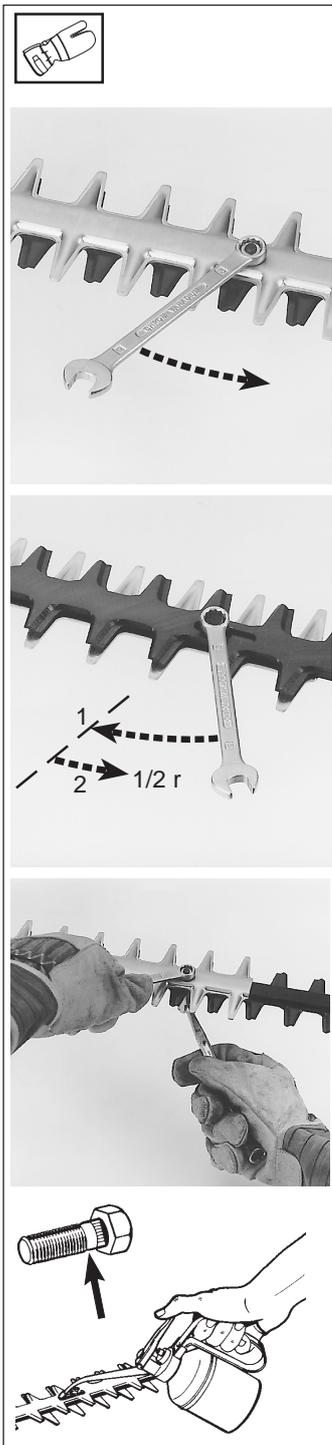
Adjusting the clearance:

1. Release the nuts on the blades.
2. Tighten the screws as far as possible, and then release the screws a half turn.
3. Tighten the nuts without turning the screws.

Replace the screws in the blade guide as soon as they have been worn or damaged. Replace the blades as soon as they have been damaged.

NOTE!

Lubricate the sliding surfaces of the blades with machine oil.

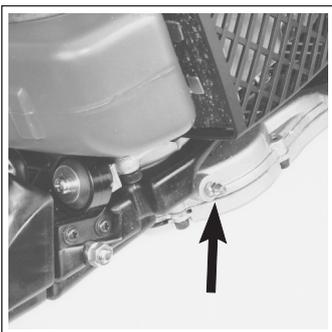




WARNING!
Gloves should always be worn when handling the blades.

Gear case

Apply a good quality lithium based grease through the grease fitting until a small amount comes out between the cutter blades and the gear case. Lubrication should be applied at 50 hour intervals and more frequent at heavy use.

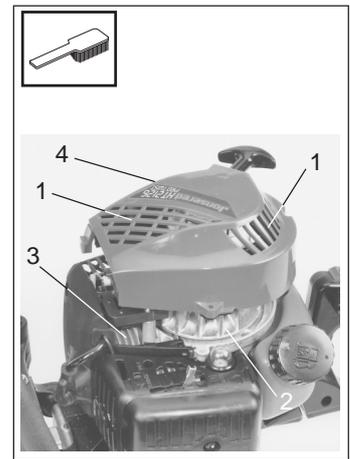


Cooling system

To maintain as low an operating temperature as possible the engine is equipped with a cooling system.

The cooling system consists of:

1. An air intake on the starter unit.
2. Cooling fins on the flywheel.
3. Cooling fins on the cylinder.
4. Cylinder cover (leads cold air onto the cylinder).



Clean the cooling system using a brush at least once a week, in difficult conditions more often.

A dirty or blocked cooling system leads to the engine overheating resulting in damage to the cylinder and piston.

Maintenance schedule

Below you will find some general maintenance instructions. For further information please contact your service dealer.

Daily maintenance

- Clean the exterior of the hedge trimmer.
- Check the blade guard and hand guard for damage or cracking.
- Check that the teeth on the blades are sharp and undamaged.
- Check that the blade nuts are sufficiently tightened.
- Check that nuts and screws are sufficiently tightened.

Weekly maintenance

- Check the starter, especially cord and return spring.
- Clean the exterior of the spark plug.
- Remove the spark plug and check the electrode gap. Adjust it to 0.5 mm, or change the spark plug.
- Clean the cooling fins on the cylinder and check that the air intake at the starter is not clogged.
- Clean the air filter.
- Check that the gear case is filled with grease.

Monthly maintenance

- Rinse the fuel tank with gasoline.
- Clean the exterior of the carburettor and the space around it.
- Clean the fan and the space around it.