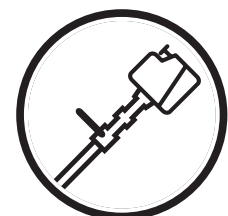




## Operator's manual

**226HS75S**  
**226HS99S**



English



### **WARNING**

Before using our products, please read this manual carefully to understand the proper use of your unit.



## EC-declaration of conformity

### Applies to Europe only

We, Husqvarna AB, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, declare under sole responsibility that the hedge trimmers Husqvarna 226HS75S and 226HS99S with serial numbers dating from 2010 onwards (the year is clearly stated on the rating plate, followed by the serial number), comply with the requirements of the COUNCIL'S DIRECTIVE

- of May 17, 2006 "relating to machinery" 2006/42/EC
- of December 15, 2004 "relating to electromagnetic compatibility" 2004/108/EC.
- of May 8, 2000 "relating to the noise emissions in the environment" 2000/14/EC. Conformity assessment according to Annex V. For information relating to noise emissions, see the chapter Technical data.

The following standards have been applied: EN ISO 12100-2/A1:2009, CISPR 12:2007, EN ISO 10517:2009.

SMP Svensk Maskinprovning AB, Fyrisborgsgatan 3, SE-754 50 Uppsala, Sweden, has carried out voluntary type approval for Husqvarna AB. The certificates have the numbers: SEC/10/2247 - 226HS75S, SEC/10/2248 - 226HS99S

Huskvarna 28 May 2010



Bo Jonsson, Development manager (Authorized representative for Husqvarna AB and responsible for technical documentation.)

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## Symbols on the machine

For safe operation and maintenance, symbols are carved in relief on the machine. According to these indications, please be careful not to take a mistake.



(a)

(a) The port to refuel the "MIX GASOLINE"

**Position:**

FUEL TANK CAP



(b)

(b) The direction to close the choke

**Position:**

AIR CLEANER COVER



(c)

(c) The direction to open the choke

**Position:**

AIR CLEANER COVER

## Introduction

### DEAR CUSTOMER!

Congratulations on your choice to buy a Husqvarna product! Husqvarna is based on a tradition that dates back to 1689, when the Swedish King Karl XI ordered the construction of a factory on the banks of the Huskvarna River, for production of muskets. The location was logical, since water power was harnessed from the Huskvarna River to create the water-powered plant. During over 300 years of continuous operation, the Husqvarna factory has produced a lot of different products, from wood stoves to modern kitchen appliances, sewing machines, bicycles, motorcycles etc. In 1956, the first motor driven lawn mowers appeared, followed by chain saws in 1959, and it is within this area Husqvarna is working today.

Today Husqvarna is one of the leading manufacturers in the world of forest and garden products, with quality as our highest priority. We develop, manufacture and market high quality motor driven products for forestry and gardening as well as for building and construction industry.

Your purchase gives you access to professional help with repairs and service whenever this may be necessary. If the retailer who sells your machine is not one of our authorized dealers, ask for the address of your nearest servicing dealer.

It is our wish that you will be satisfied with your product and that it will be your companion for a long time. Think of this operator's manual as a valuable document. By following its' content (using, service, maintenance etc) the life span and the second-hand value of the machine can be extended. If you ever lend or sell this machine, make sure that the borrower or buyer gets the operator's manual, so they will also know how to properly maintain and use it.


Thank you for using a Husqvarna product.

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.

# Safety



## SAFETY FIRST

Instructions contained in warnings within this manual and warning seals marked with a  symbol on the blower concern critical points which must be taken into consideration to prevent possible serious bodily injury, and for this reason you are requested to read all such instructions carefully and follow them without fail.

## WARNINGS IN THE MANUAL

### WARNING

Instructions labeled as shown above, concern critical steps or procedures which must be followed in order to prevent accidents which could lead to serious bodily injury or death. This mark is used to indicate instructions which must be followed without exception.

### IMPORTANT

Instructions labeled as shown above concern steps or procedures which, if not followed correctly, could lead to mechanical failure, breakdown, or damage.

### NOTE

Used to label supplementary instructions designed to provide hints or directions useful in the use of the product.

## Warning labels on the machine

### SYMBOLS

WARNING! Incorrect or careless use of a hedge trimmer can turn it into a dangerous tool that can cause serious or even fatal injury. It is extremely important that you read and understand the contents of this operator's manual.



Please read the operator's manual carefully and make sure you understand the instructions before using the machine.



Always wear:

- Approved hearing protection
- Approved eye protection



This product is in accordance with applicable EC directives.



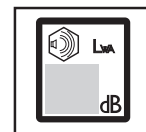
Always wear approved protective gloves.



Wear sturdy, non-slip boots or shoes.



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.

### IMPORTANT

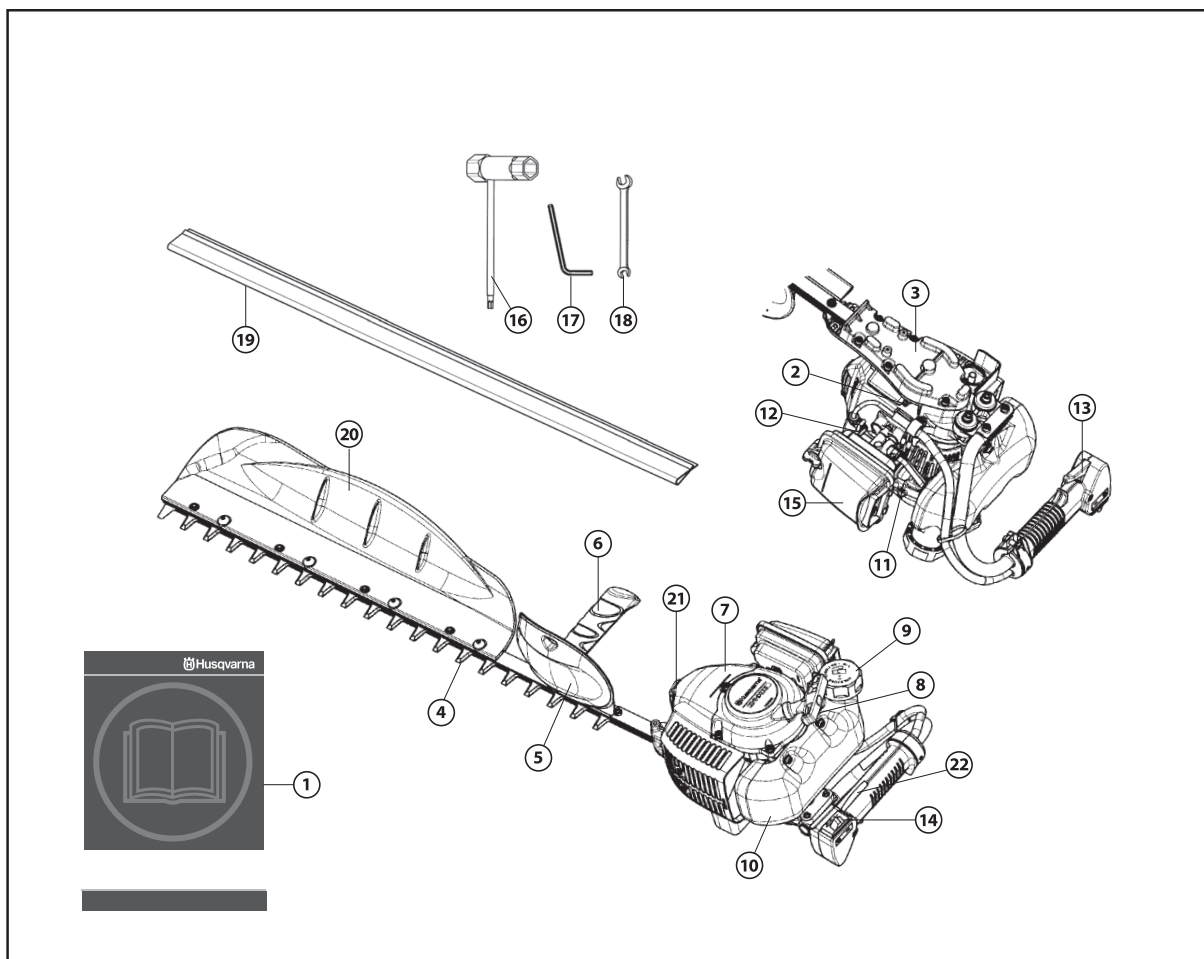
If warning label peel off or become soiled and impossible to read, you should contact the dealer from which you purchased the product to order new labels and affix them in the required location(s).

### WARNING

Never modify your machine.

We won't warrant the machine, if you use the remodeled hedge-trimmer or you don't observe the proper usage written in the manual.

## What is what?



### WHAT IS WHAT?

- |                                 |                     |
|---------------------------------|---------------------|
| 1 Operator's manual             | 12 Choke lever      |
| 2 Grease nipple                 | 13 Throttle lever   |
| 3 Gear case                     | 14 Stop switch      |
| 4 Blades                        | 15 Air filter cover |
| 5 Hand guard                    | 16 Socket           |
| 6 Front handle                  | 17 Allen key        |
| 7 Engine cover (cylinder cover) | 18 Spanner          |
| 8 Starter handle                | 19 Transport guard  |
| 9 Fuel cap                      | 20 Catcher          |
| 10 Fuel tank                    | 21 Spark plug cap   |
| 11 Primer pump                  | 22 Throttle lockout |

## Technical data

### TECHNICAL DATA

	226HS75S	226HS99S
<b>Engine</b>		
Engine Type	Air-cooled 2-stroke gasoline	Air-cooled 2-stroke gasoline
Cylinder displacement, cm <sup>3</sup>	23.6	23.6
Cylinder bore, mm	34	34
Stroke, mm	26	26
Idle speed, rpm	3000±200	3000±200
Max. output, kw/ rpm	0.85/8000	0.85/8000
<b>Ignition system</b>		
Spark plug	NGK CMR7H	NGK CMR7H
Electrode gap, mm	0.6-0.7	0.6-0.7
<b>Fuel and lubrication system</b>		
Fuel	Mixture (Gasoline 50 : Oil 1)	Mixture (Gasoline 50 : Oil 1)
Fuel tank capacity, liter	0.47	0.47
Manufacturer/type of carburetor	Walbro Diaphragm type	Walbro Diaphragm type
<b>Trimmer</b>		
Length, mm	750	1080
Pitch, mm	35	35
Transmission	Centrifugal clutch. Cam-crank	Centrifugal clutch. Cam-crank
Reduction ratio	5.11	5.11
<b>Weight</b>		
Weight without fuel and grease, kg	5.8	6.1
<b>Noise emission (see note 1)</b>		
Sound power level, measured dB(A)	101	100
Sound power level, guaranteed LWA dB(A)	104	104
<b>Noise level (see note 2)</b>		
Equivalent sound pressure level ( $L_{pA,eq}$ ) at the operator's ear, measured according to EN ISO 10517, dB(A):	92	91
<b>Vibration level (see note 3)</b>		
Equivalent vibration levels ( $a_{hv,eq}$ ) at handles, measured according to EN ISO 22867, m/s <sup>2</sup>		
Front/rear handles:	7.7/3.2	5.6/3.3

NOTE: Specifications are subject to change without notice.

Note 1: Noise emissions in the environment measured as sound power ( $L_{WA}$ ) in conformity with EC directive 2000/14/EC. Reported sound power level for the machine has been measured with the original cutting attachment that gives the highest level. The difference between guaranteed and measured sound power is that the guaranteed sound power also includes dispersion in the measurement result and the variations between different machines of the same model according to Directive 2000/14/EC.

Note 2: Reported data for equivalent sound pressure level for the machine has a typical statistical dispersion (standard deviation) of 1 dB (A).

Note 3: Reported data for equivalent vibration level has a typical statistical dispersion (standard deviation) of 1 m/s<sup>2</sup>.



## For safe operation

### NOTE THE FOLLOWING BEFORE STARTING;

#### ⚠ IMPORTANT

1. THIS MACHINE CAN CAUSE SERIOUS INJURIES. Read this manual carefully until you completely understand and follow all safety and operating instructions. Also, know how to stop the machine quickly in an emergency.
2. Keep this manual handy so that you may refer to it later whenever any questions arise. Also note, if you have any questions which cannot be answered herein, contact the dealer from whom you purchased the product.
3. Always be sure to include this manual when selling, lending, or otherwise transferring the ownership of this product.
4. Never allow children or anyone unable to fully understand the directions given in the manual to use the machine.

#### ⚠ WARNING

- Long-term exposure to noise can result in permanent hearing impairment. So always use approved hearing protection.

### IMPORTANT

#### ⚠ IMPORTANT

- The machine is only designed for cutting branches and twigs.
- Never use a machine that has been modified in any way from its original specification.
- Never use the machine if you are tired, if you have drunk alcohol, or if you are taking medication that could affect your vision, your judgement or your co-ordination.
- Wear personal protective equipment. See instructions under the heading Personal protective equipment.
- Never use the machine in extreme weather conditions such as severe cold, very hot and/or humid climates.
- Never use a machine that is faulty. Carry out the checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance.
- All covers and guards must be fitted before starting. Ensure that the spark plug cap and ignition lead are undamaged to avoid the risk of electric shock.

#### ⚠ WARNING

- The ignition system of this machine produces an electromagnetic field during operation. This field may under some circumstances interfere with pacemakers. To reduce the risk of serious or fatal injury, we recommend persons with pacemakers to consult their physician and the pacemaker manufacturer before operating this machine.
- Faulty blades can increase the risk of accidents.
- This machine is not electrically insulated. If the machine touches or comes close to high-voltage power lines it could lead to death or serious bodily injury. Electricity can jump from one point to another by arcing. The higher the voltage, the greater the distance electricity can jump. Electricity can also travel through branches and other objects, especially if they are wet. Always keep a distance of at least 10 m between the machine and high-voltage power lines and/or any objects that are touching them. If have to work within this safe distance you should always contact the relevant power company to make sure the power is switched off before you start work.

### PERSONAL PROTECTIVE EQUIPMENT

1. When using the product, you should wear proper clothing and protective equipment.

- (1) Ear protectors
- (2) Protection goggles or face protector
- (3) Thick work gloves

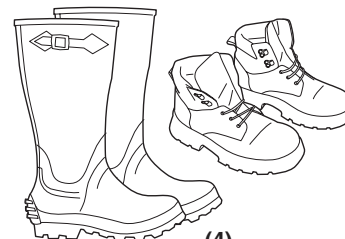


(2)

(1) (2)



(3)



(4)

- (4) Non-slip sole work boots

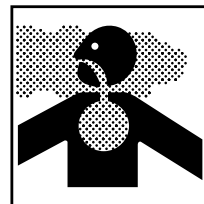
2. And you should carry with you.

- (1) Attached tools
- (2) Properly reserved fuel
- (3) Spare blade
- (4) Things to notify your working area (rope, warning signs)
- (5) Whistle (for collaboration or emergency)
- (6) Hatchet or saw (for removal of obstacles)
- (7) First aid kit

3. Do not wear loose clothing, jewelry, short trousers, sandals, or go barefoot. Do not wear anything which might be caught by a moving part of the unit. Secure hair so it is above shoulder length.

### WORKING CIRCUMSTANCE

1. Never start the engine inside a closed room or building.



Exhaust gases contain dangerous carbon monoxide.

2. Never use the product,
  - a. when the ground is slippery or when you can't maintain a steady posture.
  - b. At night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of the working area.
  - c. During rain, during storms at times of strong or gale-force winds, or at any other times when weather conditions might make it unsafe to use the product.

## For safe operation

### WORKING PLAN

1. You should never use the product when under the influence of alcohol, when suffering from exhaustion or lack of sleep, when suffering from drowsiness as a result of having taken cold medicine or at any other time when a possibility exists that your judgment might be impaired or that you might not be able to operate the product properly and in a safe manner.
2. When planning your work schedule, allow plenty of time to rest. Limit the amount of time over which the product is to be used continuously to somewhere around 30 ~ 40 minutes per session, and take 10 ~ 20 minutes of rest between work sessions. Also try to keep the total amount of work performed in a single day under 2 hours or less.

#### ⚠ WARNING

1. **If you don't observe the working time, or working manner (See "USING THE PRODUCT"), Repetitive Stress Injury (RSI) could occur.**  
**If you feel discomfort, redness and swelling of your fingers or any other part of your body, see a doctor before getting worse.**
2. **To avoid noise complaints, in general, operate product between 8 a.m. and 5 p.m. on weekdays and 9 a.m. to 5 p.m. on weekends.**

#### 📖 NOTE

Check and follow the local regulations as to sound level and hours of operations for the product.

### BEFORE STARTING THE ENGINE

1. The area within a perimeter of 15 m (50 ft) of the person using the product should be considered a hazardous area into which no one should enter. If necessary, yellow warning rope, warning signs should be placed around the perimeter of the area. When work is to be performed simultaneously by two or more persons, care should also be taken to constantly look around or otherwise check for the presence and locations of other people working so as to maintain a distance between each person sufficient to ensure safety.
2. Check the condition of working area to avoid any accident by hitting hidden obstacles such as stumps, stones, cans, or broken glass.

#### ⚠ IMPORTANT

Remove any obstacle before beginning work.

3. Inspect the entire unit for loose fasteners leakage. Make sure that the cutting attachment properly installed and securely fastened.

### STARTING THE ENGINE

1. Keep bystanders especially children, and animals at least 15 m (50 ft) away from the operating point. If you are approached, immediately stop the engine.
2. The product is equipped with a centrifugal clutch mechanism, so the cutting attachment begins to move as soon as the engine is started by putting the throttle into the start position. When starting the engine, place the product onto the ground in a flat clear area and hold it firmly in place so as to ensure that neither the cutting part nor the throttle come into contact with any obstacle when the engine starts.

#### ⚠ WARNING

Never place the throttle into the high-speed position when starting the engine.

Never start the engine at the cutting attachment side.

3. After starting the engine, check to make sure that the cutting attachment stops moving when the throttle is moved fully back to its original position. If it continues to move even after the throttle has been moved fully back, turn off the engine and take the unit to your authorized Husqvarna servicing dealer for repair.

### USING THE PRODUCT

#### ⚠ IMPORTANT

Cut only materials recommended by the manufacturer. And use only for tasks explained in the manual.

1. Grip the handles firmly with both hands using your whole hand. Place your feet slightly apart (slightly further apart than the width of your shoulders) so that your weight is distributed evenly across both legs, and always be sure to maintain a steady, even posture while working.
2. Maintain the speed of the engine at the level required to perform cutting work, and never raise the speed of the engine above the level necessary.
3. If the unit starts to shake or vibrate, turn off the engine and check the whole unit. Do not use it until the trouble has been properly corrected.
4. Keep all parts of your body away from moving cutting attachment and hot surfaces.
5. Never touch the muffler, spark plug, or other metallic parts of the engine while the engine is in operation or immediately after shutting down the engine. Doing so could result in serious burns or electrical shock.



6. Never work from a ladder, stool or any other raised position that is not fully secured.
7. Check the cutting attachment. Never use blades that are dull, cracked or damaged.
8. To reduce the fire hazard, clean dirt, leaves and surplus lubricant, etc from the muffler and engine.

## For safe operation

### IF SOMEONE COMES

1. Guard against hazardous situations at all times. Warn adults to keep pets and children away from the area. Be careful if you are approached. Injury may result from flying debris.
2. If someone calls out or otherwise interrupts you while working, always be sure to turn off the engine before turning around.

### MAINTENANCE

1. In order to maintain your product in proper working order, perform the maintenance and checking operations described in the manual at regular intervals.
2. Always be sure to turn off the engine before performing any maintenance, checking procedures or working on the machine.

#### WARNING

The metallic parts reach high temperatures immediately after stopping the engine.

3. When replacing the cutting attachment or any other part, or when replacing the oil or any lubricant, always be sure to use only Husqvarna products or products which have been certified by Husqvarna for use with the Husqvarna product.
4. In the event that any part must be replaced or any maintenance or repair work not described in this manual must be performed, please contact a representative from the store nearest Husqvarna authorized servicing dealer for assistance.
5. Do not use any accessory or attachment other than those bearing the Husqvarna mark and recommended for the unit.
6. Under no circumstances should you ever take apart the product or alter it in any way. Doing so might result in the product becoming damaged during operation or the product becoming unable to operate properly.

### HANDLING FUEL

1. The engine of the Husqvarna product is designed to run on a mixed fuel, which contains highly flammable gasoline. Never store cans of fuel or refill the tank of the unit in any place where there is a boiler, stove, wood fire, electrical sparks, welding sparks, or any other source of heat or fire which might ignite the fuel.



2. Never smoke while operating the unit or refilling its fuel tank.
3. When refilling the tank, always turn off the engine and allow it to cool down. Take a careful look around to make sure that there are no sparks or open flames anywhere nearby before refueling.
4. Wipe spilled fuel completely using a dry rag if any fuel spillage occurs during refueling.
5. After refueling, screw the fuel cap back tightly onto the fuel tank and then carry the unit to a spot 3 m or more away from where it was refueled before turning on the engine.
6. Do not inhale fuel fumes as they are toxic.

### TRANSPORTATION

1. When hand-carrying the product, cover over the cutting part if necessary, lift up the product and carry it paying attention to the blade.
2. Never transport the product over rough roads over long distances by vehicle without removing all fuel from the fuel tank. If doing so, fuel might leak from the tank during transport.

# Fuel

## ⚠ WARNING

- Gasoline is very flammable. Avoid smoking or bringing any flame or sparks near fuel. Make sure to stop the engine and allow it cool before refueling the unit. Select outdoor bare ground for fueling and move at least 3m (10ft) away from the fueling point before starting the engine.



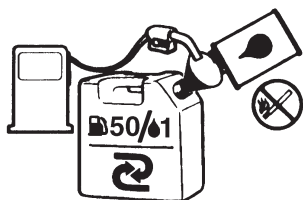
- The Husqvarna engines are lubricated by oil specially formulated for air-cooled 2-cycle gasoline engine use. If Husqvarna oil is not available, use an antioxidant added quality oil expressly labeled for aircooled 2-cycle engine use. (JASO FC GRADE OIL or ISO EGC GRADE)
- Do not use BIA or TCW (2-stroke water-cooling type) mixed oil.

## RECOMMENDED MIXING RATIO

GASOLINE 50:OIL 1

### 50:1 MIXING CHART

GASOLINE gal.	1	2	3	4	5
2-CYCLE OIL fl.oz	2.6	5.2	7.8	10.4	13
GASOLINE liter	1	2	3	4	5
2-CYCLE OIL ml	20	40	60	80	100



- Exhaust emission are controlled by the fundamental engine parameters and components (eq., carburation, ignition timing and port timing) without addition of any major hardware or the introduction of an inert material during combustion.
- These engines are certified to operate on unleaded gasoline.
- Make sure to use gasoline with a minimum octane number of 89 RON (USA/Canada: 87AL)
- If you use a gasoline of a lower octane value than prescribed, there is a danger that the engine temperature may rise and an engine problem such as piston seizing may consequently occur.
- Unleaded gasoline is recommended to reduce the contamination of the air for the sake of your health and the environment.
- Poor quality gasolines or oils may damage sealing rings, fuel lines or fuel tank of the engine.

## HOW TO MIX FUEL

### ⚠ IMPORTANT

Pay attention to agitation.

- Measure out the quantities of gasoline and oil to be mixed.
- Put some of the gasoline into a clean, approved fuel container.
- Pour in all of the oil and agitate well.
- Pour In the rest of gasoline and agitate again for at least one minute. As some oils may be difficult to agitate depending on oil ingredients, sufficient agitation is necessary for the engine to last long. Be careful that, if the agitation is insufficient, there is an increased danger of early piston seizing due to abnormal lean mixture.
- Put a clear indication on the outside of the container to avoid mixing up with other containers.
- Indicate the contents on outside of container for easy identification.

## FUELING THE UNIT

- Untwist and remove the fuel cap. Keep the cap and inlet of the tank clean.
- Put fuel into the fuel tank to 80% of the full capacity.
- Fasten the fuel cap securely and wipe up any fuel spillage around the unit.

### ⚠ WARNING

- Select bare ground for fueling.
- Move at least 10feet (3meters) away from the fueling point before starting the engine.
- Stop the engine before refueling the unit. At that time, be sure to sufficiently agitate the mixed gasoline in the container.

### FOR YOUR ENGINE LIFE, AVOID;

- FUEL WITH NO OIL (RAW GASOLINE) – It will cause severe damage to the internal engine parts very quickly.
- GASOHOL – It can cause deterioration of rubber and/or plastic parts and disruption of engine lubrication.
- OIL FOR 4-CYCLE ENGINE USE – It can cause spark plug fouling, exhaust port blocking, or piston ring sticking.
- Mixed fuels which have been left unused for a period of one month or more may clog the carburetor and result in the engine failing to operate properly.
- In the case of storing the product for a long period of time, clean the fuel tank after rendering it empty. Next, activate the engine and empty the carburetor of the composite fuel.
- In the case of scrapping the used mixed oil container, scrap it only at an authorized repository site.

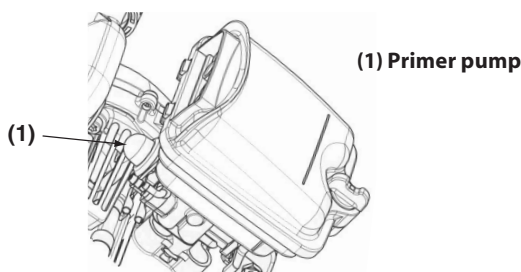
### 📖 NOTE

As for details of quality assurance, read the description in the section Limited Warranty carefully. Moreover, normal wear and change in product with no functional influence are not covered by the warranty. Also, be careful that, if the usage in the instruction manual is not observed as to the mixed gasoline, etc. described therein, it may not be covered by the warranty.

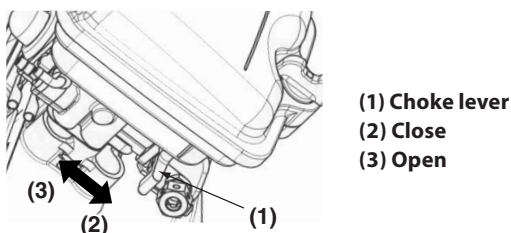
# Operation

## STARTING ENGINE

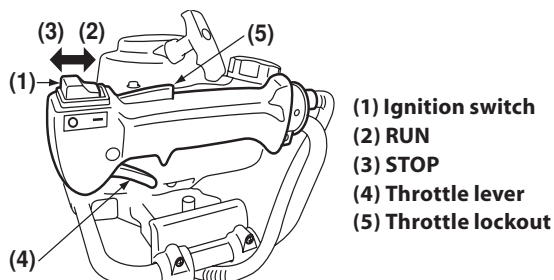
1. Feed fuel into the fuel tank and tighten the cap securely.
2. Rest the unit on a flat, firm place. Keep the cutting head off the ground and clear of surrounding objects as it will start moving upon starting of the engine.
3. Push the primer pump several times until overflowed fuel flows out in the clear tube.



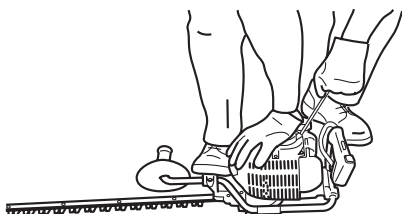
4. When the engine is cool, move the choke lever to the closed position.



5. Set the ignition switch to the "RUN" position. Release the throttle lever and make sure it is fully back.



6. While holding the unit firmly, pull out the starter rope quickly until engine fires.



### ! IMPORTANT

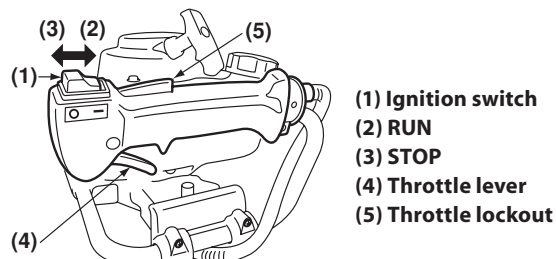
- Avoid pulling the rope to its end or returning it by releasing the knob. Such actions can cause starter failures.
7. Move the choke lever to the open position. And pull out the starter rope quickly to restart engine.
  8. Allow the engine to warm up for a couple of minutes before starting operation.

### NOTE

1. When restarting the engine immediately after stopping it, leave the choke open.
2. Overchoking can make the engine hard to start due to excess fuel. When the engine failed to start after several attempts, open the choke and repeat pulling the rope, or remove the spark plug and dry it.

## STOPPING ENGINE

1. Release the throttle lever and run the engine for a half minute.
2. Shift the ignition switch to the "STOP" position.



### ! IMPORTANT

Except for an emergency, avoid stopping the engine while pulling the throttle lever.

### NOTE

If the engine won't stop when setting the ignition switch to the stop position, close the choke lever and stop the engine.

In this case, please repair the machine at your nearest servicing dealer.

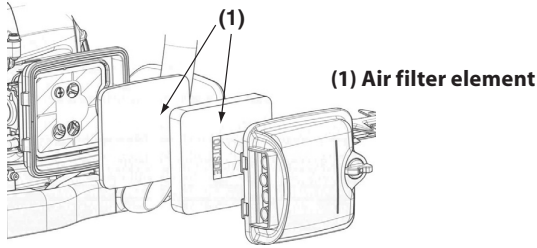
## RUNNING IN THE ENGINE

During the first 20 working hours, do not use the hedge-trimmer at maximum power for long periods.

# Operation

## ADJUSTING IDLING SPEED

- Before adjusting the carburetor, clean the air filter and warm up the engine.



- Idle screw is adjusted in order to ensure a good safety margin between idle running and clutch engagement.



### ⚠ WARNING

With the engine idling (3000 rpm), the blade should not move. We recommend that you have the dealer or an authorised mechanic carry out any carburetor adjustments.

- Weather conditions and altitude may effect carburation.

### ⚠ WARNING

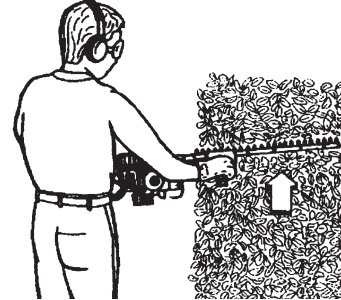
- Do not allow anyone to stay close to the hedgetrimmer while working or while adjusting the carburetor.

## HEDGE TRIMMING TECHNIQUES

Trim the sides of a hedge first, and then the top.

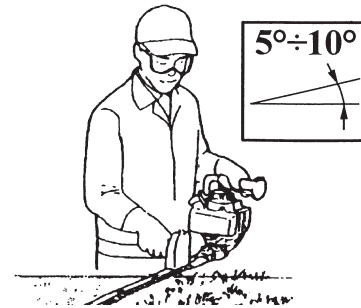
### Vertical cut:

- With the single-sided blade hedge-trimmer, model 226HS75S/226HS99S, always cut from the bottom up.



### Horizontal cut:

- In order to get the best cutting results, slightly tilt the blade ( $5^{\circ} \div 10^{\circ}$ ) towards the cutting direction.



- Cut slowly, specially with thick hedges.
- Use only as much throttle as is needed to do the job. Excessive engine speed is unnecessary.
- Avoid cutting thick branches, for which will damage the blades and shorten the life of drive systems.
- Always keep your body to the carburetor side of your trimmer, never on the muffler side.
- When a new machine is first operated, in the first few minutes grease may come out of the gear case. But, since this is excess grease, there is no cause for alarm. Just wipe it off with the engine stopped for next use.
- Always remember that the TIP of the line does cutting. You will achieve better results by not crowding the line into the cutting area. Allow the unit to trim at its own pace.
- If anything jams in the blades while you are working, switch off the engine and wait until it has stopped completely before cleaning the blades. Disconnect the HT lead from the spark plug.
- Never put the machine down with the engine running unless you have it in clear sight.



# Maintenance

Maintenance, replacement, or repair of the emission control device and systems may be performed by any non-road engine repair establishment or individual.

## ■ MAINTENANCE CHART

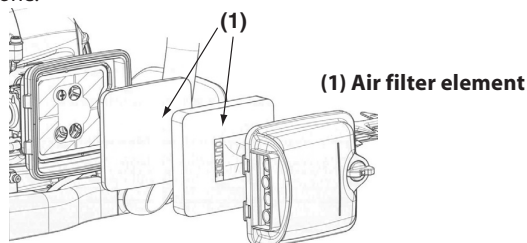
	System/components	Procedure	Before use	Every 25 hours after	Every 50 hours after	Every 100 hours after	Note
ENGINE	fuel leaks, fuel spillage	wipe out	✓				
	fuel tank, air filter, fuel filter	inspect/clean	✓	✓			replace, if necessary
	idle adjusting screw	see adjusting idling speed	✓				replace carburetor if necessary
	spark plug	clean and readjust plug gap			✓		GAP : 0.6 ~ 0.7 mm replace, if necessary
	intake air cooling vent	clean		✓			
TRIMMER	throttle lever, ignition switch	check operation	✓				
	cutting parts	clean	✓				
	gear case	grease			✓		
	screws/nuts/bolts	tighten/replace	✓			✓	not adjusting screws
	debris guard	make sure to attach	✓				

## ⚠ WARNING

Make sure that the engine has stopped and is cool before performing any service to the machine. Contact with moving cutting head or hot muffler may result in a personal injury.

## AIR FILTER

- The air filter, if clogged, will reduce the engine performance. Check and clean the filter element in warm, soapy water as required. Dry completely before installing. If the element is broken or shrunk, replace with a new one.

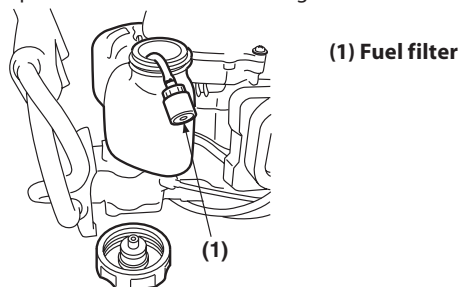


## ⚠ IMPORTANT

- How to attach two air filter elements
  1. Attach thin element previously
  2. Attach thick element so that stamp side is outside

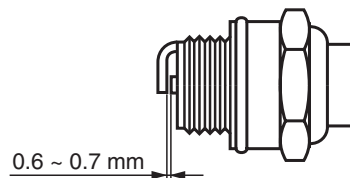
## FUEL FILTER

- When the engine runs short of fuel supply, check the fuel cap and the fuel filter for blockage.



## SPARK PLUG

- Starting failure and mis-firing are often caused by a fouled spark plug. Clean the spark plug and check that the plug gap is in the correct range. For a replacement plug, use the correct type specified by Husqvarna.



- REPLACEMENT PLUG IS NGK CMR7H OR CHAMPION RZ7C.

## ⚠ IMPORTANT

- Note that using any spark plug other than those designated may result in the engine failing to operate properly or in the engine becoming overheated and damaged.
- To install the spark plug, first turn the plug until it is finger tight, then tighten it a quarter turn more with a socket wrench.

TIGHTENING TORQUE: 9.8 ~ 13.7 N.m

# Maintenance

## INTAKE AIR COOLING VENT

### ⚠ WARNING

- Never touch the cylinder, muffler, or spark plugs with your bare hands immediately after stopping the engine. The engine can become very hot when in operation, and doing so could result in severe burns.
- Clean the cylinder fins with compressed air or a brush.

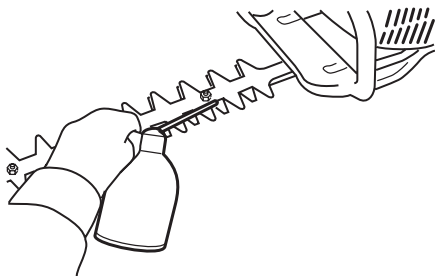


### ⚠ IMPORTANT

If waste gets stuck and causes blockage around the intake air cooling vent or between the cylinder fins, it may cause the engine to overheat, and that in turn may cause mechanical failure on the part of the hedge-trimmer.

## BLADES

Clean any resin and plant residue from the blades using cleaning agent 531 00 75-13 (UL22) before and after using the machine.



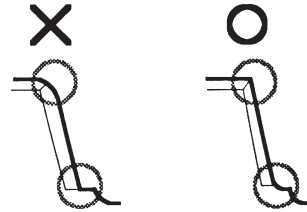
### ⚠ WARNING

- Make sure that the blade bolts are well tightened.
- The blade assembly is designed to automatically compensate for any play between the blades.

Check the cutting edges and reform with a flat file.

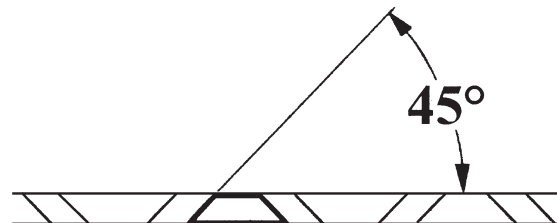
Point :

1. Keep the end corner sharp.
2. Round the root of the edge.
3. Do not use water when using a grinder.



## SHARPENING

Always keep the file or sharpener at an angle of 45° to the blade, and:



- Always grind in the direction of the cutting edge;
- Note: files cut only in one direction; lift the file from the blade when returning to start a new pass;
- Remove all burr from the edge of the blade with a slip stone;
- Remove as little material as possible;
- Before refitting the sharpened blades, remove filings and then apply grease.

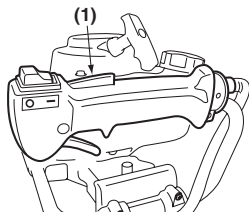
Do not try to sharpen a damaged blade: change it or take it to a Service dealer.



# Maintenance

## THROTTLE LOCKOUT

- Stop operation if the throttle lockout is defective.
- The throttle lockout is the device not to accelerate the throttle lever without intention. While pushing the throttle lockout, you can accelerate the throttle lever.



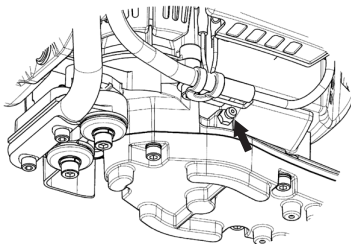
(1) Throttle lockout

1. Check if the throttle lever does not move when you do not push the throttle lockout.
  2. Check if the throttle lever moves when you grasp or release it while pushing the throttle lockout.
  3. Check if the throttle lockout returns to its original position when you release your hand from the throttle lockout.
- If you find any defects at the checks above, contact your nearest servicing dealer for repair.

## REDUCTION GEARBOX

Refill gear housing every 50 working hours. Use Husqvarna's special grease.

Use the grease pump. Feed grease until it comes out of the base of the blades.

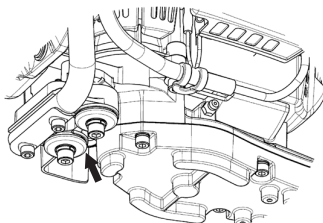


- Grease nipple : A type

## ANTI-VIBRATION SYSTEM

A deformed or damaged anti-vibration system may cause breakages like getting rickety or falling off of engine and/or blade

- Check that the vibration damping elements are not damaged.



## MUFFLER

### ⚠ WARNING

- Inspect periodically, the muffler for loose fasteners, any damage or corrosion. If any sign of exhaust leakage is found, stop using the machine and have it repaired immediately.
- Note that failing to do so may result in the engine catching fire.

## Storage

1. Lubricate the blade bars to prevent rust with special grease, part no. 531 00 75-12 (UL21), before long periods of storage.
2. Empty the fuel tank and put the cap back on. Drain off the fuel in an approved container outdoors and well clear of naked flames.
3. Remove the spark plug, pour a small amount of oil into the cylinder.
4. Rotate the crankshaft several times using the starting rope in order to distribute the oil. Put the spark plug back in.
5. Wrap the engine with a plastic sheet.
6. Store the trimmer indoors in a dry place, dust free place, out of the reach of children, preferably not in direct contact with the floor and away from heat sources.
7. The transport guard should always be fitted to the cutting attachment when the machine is not in use.

## Disposal

When disposing your machine, fuel or oil for the machine, be sure to follow your local regulations.

## Troubleshooting guide

### Case 1. Starting failure

CHECK	PROBABLE CAUSES	ACTION
fuel tank	→ incorrect fuel	→ drain it and fill with correct fuel
fuel filter	→ fuel filter is clogged	→ clean
idle adjustment screw	→ out of normal range	→ adjust to normal range
sparkign (no spark)	→ spark plug is fouled/wet	→ clean/dry
	→ plug gap is incorrect	→ correct (GAP: 0.6 – 0.7 mm)
spark plug	→ disconnected	→ retighten

### Case 2. Engine starts but does not keep running/Hard re-starting.

CHECK	PROBABLE CAUSES	ACTION
fuel tank	→ incorrect fuel or staled fuel	→ drain it and fill with correct fuel
idle adjustment screw	→ out of normal range	→ adjust to normal range
air cleaner	→ clogged with dust	→ wash

When your unit seems to need further service, please consult with our service shop in your area.