



Husqvarna[®]



524LK

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Introduction

Product description

The product is a grass trimmer with a combustion engine.

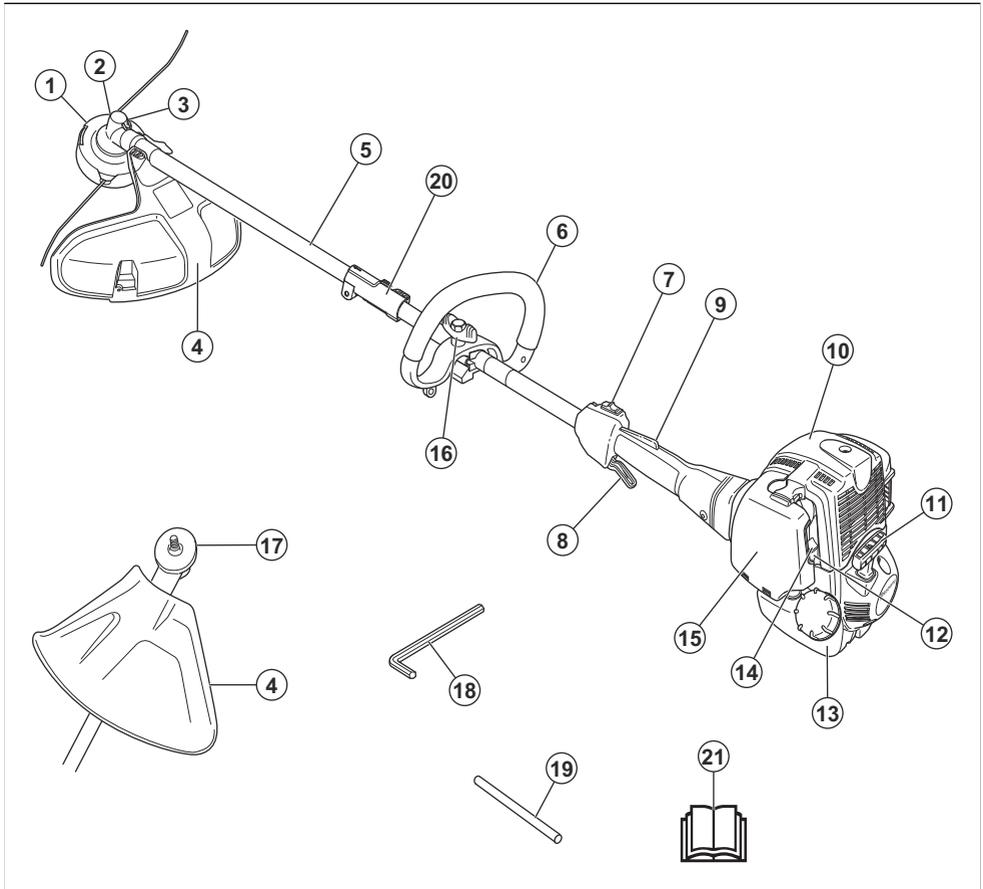
Work is constantly in progress to increase your safety and efficiency during operation. Speak to your servicing dealer for more information.

Intended use

The product is used with a trimmer head to cut grass. Do not use the product for other tasks than grass trimming and grass clearing.

Note: National regulations can set limit to the operation of the product.

Product overview



1. Trimmer head
2. Bevel gear
3. Grease filler cap
4. Cutting attachment guard
5. Shaft
6. Loop Handle
7. Stop switch
8. Throttle trigger
9. Throttle trigger lockout
10. Cylinder cover
11. Starter rope handle
12. Air purge bulb
13. Fuel tank
14. Choke control
15. Air filter cover
16. Handle adjustment

17. Drive disc
18. Hex key
19. Locking pin
20. Shaft coupling
21. Operator's manual

Symbols on the product



WARNING! This product is dangerous. Injury or death can occur to the operator or bystanders if the product is not used carefully and correctly. To prevent injury to the operator or bystanders, read and obey all safety instructions in the operator's manual.



Read the operator's manual carefully and make sure that you understand the instructions before you use this product.



The arrows show the limit for the handle position.



This product complies with applicable EC Directives.



Air purge bulb.



Use a protective helmet in locations where objects can fall on you. Use approved hearing protection. Use approved eye protection.



Choke.



Use approved protective gloves.



Fuel.



Use heavy-duty slip-resistant boots.



Noise emissions to the environment according to European Directive 2000/14/EC and New South Wales legislation "Protection of the Environment Operations (Noise control) Regulation 2017". Noise emission data can be found on the machine label and in the *Technical data* chapter.



The product can cause objects to eject, which can cause injury.



Maximum speed of the output shaft.

yyyywwxxxx

The rating plate shows the serial number. **yyyy** is the production year, **ww** is the production week.



Keep a minimum of 15 m distance to persons and animals during operation of the product.

Note: Other symbols/decals on the product refer to certification requirements for some markets.



Only use flexible cutting wire. Do not use metal cutting equipment for grass trimming.

Safety

Safety definitions

Warnings, cautions and notes are used to point out specially important parts of the manual.



WARNING: Used if there is a risk of injury or death for the operator or bystanders if the instructions in the manual are not obeyed.



CAUTION: Used if there is a risk of damage to the product, other materials or the adjacent area if the instructions in the manual are not obeyed.

Note: Used to give more information that is necessary in a given situation.

General safety instructions



WARNING: Read the warning instructions that follow before you use the product.

- A clearing saw, brushcutter or trimmer can be dangerous if used carelessly or incorrectly and can cause serious injury or death to the operator or others. It is extremely important that you read and understand the contents of this operator's manual.

- Under no circumstances may the design of the product be modified without the permission of the manufacturer. Never use a product that has been modified in any way from its original specification and always use original accessories. Non-authorized modifications and/or accessories can result in serious personal injury or the death of the operator or others.
- The inside of the muffler contain chemicals that may be carcinogenic. Avoid contact with these elements in the event of a damaged muffler.
- This product produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this product.

Safety instructions for operation



WARNING: Read the warning instructions that follow before you use the product.

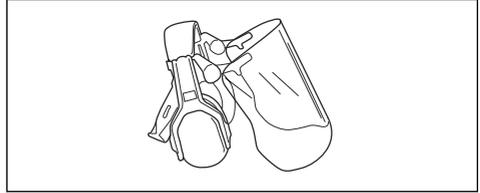
- You must understand the difference between grass clearing and grass trimming before use.
- If you encounter a situation where you are uncertain how to proceed you should ask an expert. Contact your dealer or your service workshop. Avoid all usage which you consider to be beyond your capability.
- Never use a product that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. Refer to *Maintenance on page 15*.
- All covers, guards and handles must be fitted before you start the product. Ensure that the spark plug cap and ignition lead are undamaged to avoid the risk of electric shock.
- Never use the product if you are fatigued, while under the influence of alcohol or drugs, medication or anything that could affect your vision, alertness, coordination or judgement.
- Do not use the product in bad weather such as dense fog, heavy rain, strong wind, intense cold, etcetera. Working in bad weather is tiring and often brings added risks, such as icy ground, unpredictable felling direction, etcetera.
- The only accessories you can operate with this engine unit are the cutting attachments that we recommend. Refer to *Accessories on page 22*.
- Never allow children to use or be in the vicinity of the product. As the product is equipped with a spring-loaded start/stop switch and can be started by low speed and force on the starter handle, even small children under some circumstances can produce the force necessary to start the product. This can mean a risk of serious personal injury. Therefore remove the spark plug cap when the product is not under close supervision.
- Running an engine in a confined or badly ventilated area can result in death due to asphyxiation or carbon monoxide poisoning.
- The complete clutch cover and shaft must be fitted before the product is started, otherwise the clutch can come loose and cause personal injury.
- Ensure that no people or animals come closer than 15 m while you work. When several operators are working in the same area the safety distance should be at least 15 m. Otherwise there is a risk of serious personal injury. Stop the product immediately if anyone approaches. Never swing the product around without first checking behind you to make sure that no one is within the safety zone.
- Ensure that people, animals or other things can not affect your control of the product or that they do not come in contact with the cutting attachment or loose objects that are thrown out by the cutting attachment. However, do not the product unless you are able to call for help in the event of an accident.
- Always inspect the working area. Remove all loose objects such as stones, broken glass, nails, steel wire, string, etcetera, that could be thrown out or become wrapped around the cutting attachment.
- Make sure that you can move and stand safely. Check the area around you for possible obstacles (roots, rocks, branches, ditches, etcetera) in case you have to move suddenly. Take great care when you work on sloping ground.



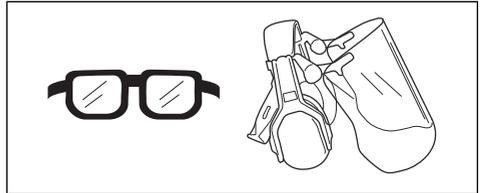
- Keep a good balance and a firm foothold at all times. Do not overreach.
- Always hold the product with both hands. Hold the product on the right side of your body.
- Keep the cutting attachment below waist level.
- Switch off the engine before you move to another area. Fit the transportation guard before you carry or transport the equipment any distance.
- Never put the product down with the engine running unless you have it in clear sight.
- Stop the engine and cutting equipment before you remove material that has wound around the blade shaft. Neither the operator of the product nor anyone

else may attempt to remove the cut material while the engine is running or the cutting equipment is rotating, as this can result in serious injury. The bevel gear can get hot during use and may remain so for a while afterwards. You could get burnt if you touch it.

- Use approved hearing protection that provides adequate noise reduction. Long-term exposure to noise can result in permanent hearing impairment.



- Use approved eye protection. If you use a visor, you must also use approved protective goggles. Approved protective goggles must comply with the ANSI Z87.1 standard in the USA or EN 166 in EU countries.



- Use gloves when necessary, for example when you attach, examine or clean the cutting equipment.



- Use protective boots with steel toes and non-slip soles.



- Use clothing made of a strong fabric. Always use heavy, long pants and long sleeves. Do not use loose clothing that can catch on twigs and branches. Do not wear jewelry, short pants, sandals or go with bare feet. Put your hair up safely above shoulder level.

- Watch out for thrown objects. Always wear approved eye protection. Never lean over the cutting attachment guard. Stones, rubbish, etcetera, can be thrown up into the eyes which can cause blindness or serious injury.
- Sometimes branches or grass get caught between the guard and cutting attachment. Always stop the engine before you clean the product.
- Always slow the engine to idle speed after each working operation. Long periods at full throttle without any load on the engine can lead to serious engine damage.
- Listen out for warning signals or shouts when you wear hearing protection. Always remove your hearing protection as soon as the engine stops.
- Overexposure to vibration can lead to circulatory damage or nerve damage in people who have impaired circulation. Contact your doctor if you experience symptoms of overexposure to vibration. These symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin color or condition. These symptoms normally appear in the fingers, hands or wrists.
- Do not use a product with a damaged spark plug cap.
- Do not use a product with a defective muffler.
- Keep all parts of your body away from the rotating cutting attachment and hot surfaces.
- Never use a product with a faulty muffler
- Never start or use the product indoors, near combustible material or in spaces that lacks proper ventilation. The exhaust fumes from the engine contain carbon monoxide, an odorless, poisonous and highly dangerous gas. Also, the exhaust fumes are hot and may contain sparks that can start a fire.

Personal protective equipment



WARNING: Read the warning instructions that follow before you use the product.

- Always use approved personal protective equipment when you use the product. Personal protective equipment cannot fully prevent injury but it decreases the degree of injury if an accident does occur. Let your dealer help you select the right equipment.

- Keep first aid equipment close at hand.



Safety devices on the product



WARNING: Read the warning instructions that follow before you use the product.

In this section the product's safety features, its purpose and how checks and maintenance should be carried out to ensure that it operates correctly. See instructions under the heading *Product overview on page 3* to find where these parts are located on your product.

The life span of the product can be reduced and the risk of accidents can increase if product maintenance is not carried out correctly and if service and/or repairs are not carried out professionally. If you need further information please contact your nearest servicing dealer.



WARNING: Never use a product with defective safety components. The product's safety equipment must be inspected and maintained as described in this section. If your product fails any of these checks, contact your service agent to get it repaired.

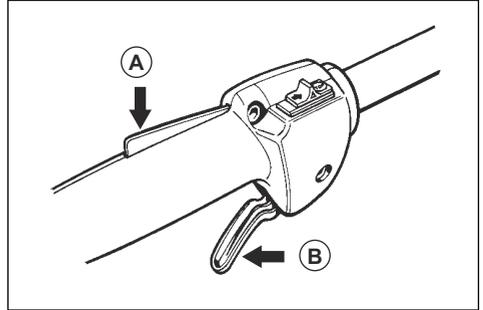


CAUTION: All servicing and repair work on the machine requires special training. This is especially true of the machine's safety equipment. If your machine fails any of the checks described below you must contact your service agent. When you buy any of our products we guarantee the availability of professional repairs and service. If the retailer who sells your machine is not a servicing dealer, ask him for the address of your nearest service agent.

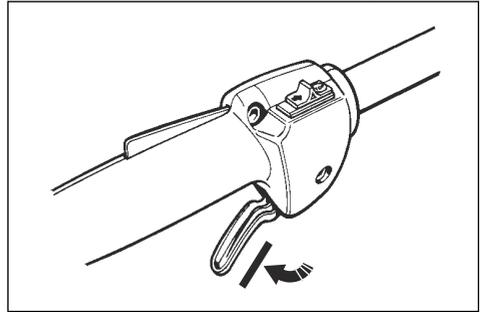
To do a check of the throttle trigger lockout

The throttle trigger lockout prevents accidental operation of the throttle control.

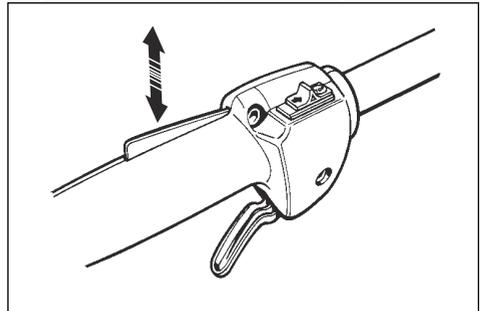
1. Push the throttle trigger lockout (A) and make sure that the throttle control is released (B).



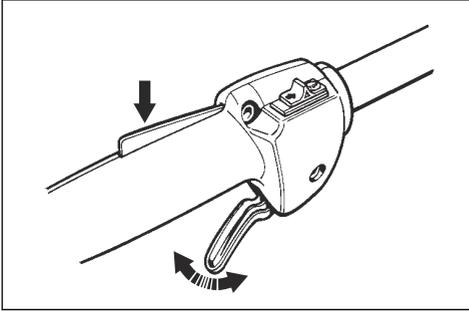
2. Release the throttle trigger lockout and make sure that the throttle control is locked at idle speed.



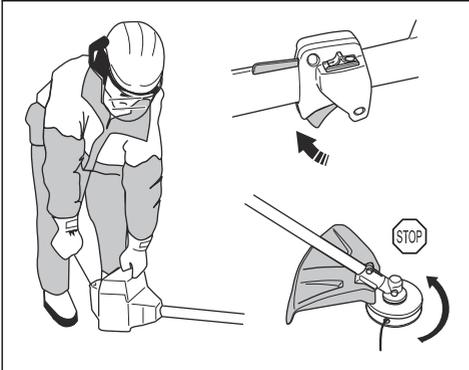
3. Push the throttle trigger lockout and make sure that it goes back to its initial position when you release it.



4. Make sure that the throttle control and throttle trigger lockout move freely and that the return springs operate correctly.

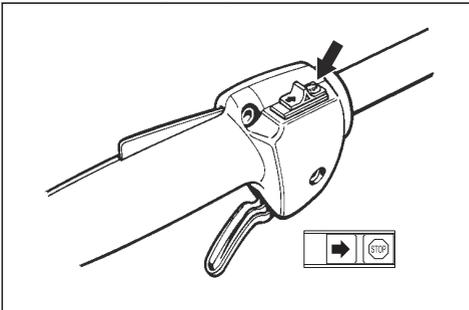


5. Start the product and apply full throttle. Refer to *To start the product on page 14*.
6. Release the throttle control and make sure that the cutting attachment stops. If the cutting attachment rotates with the throttle in the idle position, do a check of the carburetor adjustments. Refer to *Maintenance on page 15*.



To do a check of the stop switch

1. Start the engine.
2. Move the stop switch to the stop position and make sure that the engine stops.



To do a check of the cutting attachment guard

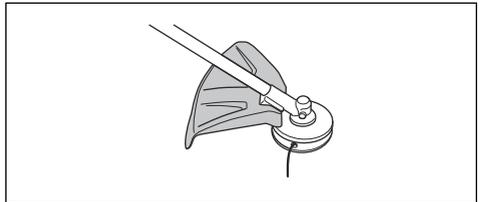


WARNING: Do not use a cutting attachment without an approved and correctly attached cutting attachment guard. Refer to, *Accessories on page 22*.



WARNING: Always use the recommended cutting attachment guard for the cutting attachment that you use. If an incorrect or faulty cutting attachment guard is fitted this can cause serious personal injury. Refer to, #

The cutting attachment guard prevents injuries from objects that eject in the direction of the operator. It also prevents injuries that occur if you touch the cutting attachment.



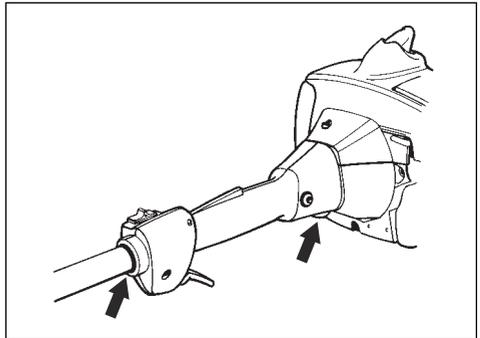
1. Do a visual check for damages, for example cracks.
2. Replace the cutting attachment guard if it is damaged.

To do a check of the vibration damping system



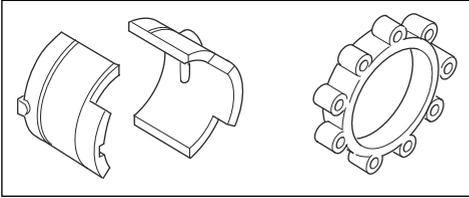
WARNING: Use of incorrectly wound cord or an incorrect cutting attachment increases the level of vibration.

The vibration damping system decreases vibration in the handles to a minimum which makes the operation easier. The vibration damping system decreases the vibrations between the engine unit and the shaft unit.

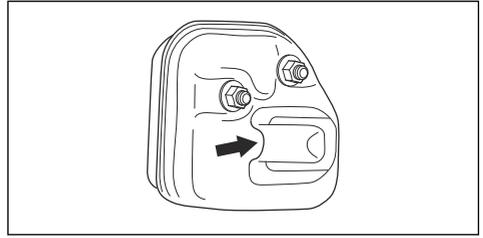


1. Stop the engine.

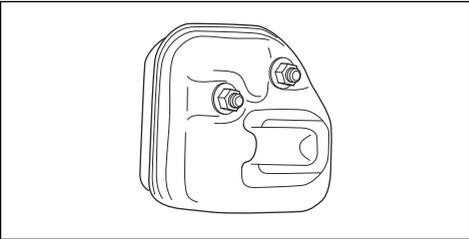
2. Do a visual check for deformation and damage for example, cracks.
3. Make sure that the vibration damping units are attached correctly.



- b) Make sure that the spark arrestor mesh is attached correctly.

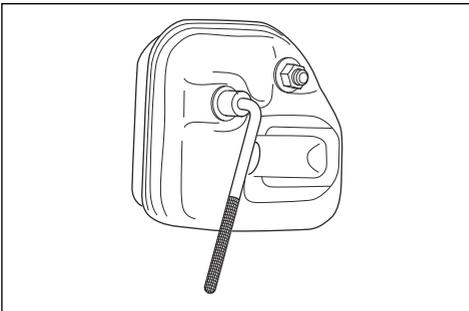


To do a check of the muffler



The muffler keeps noise levels to a minimum and sends exhaust fumes away from the operator.

- Do a visual check for damage and deformation.
- Make sure that the muffler is correctly attached to the product.



- If the muffler on your product has a spark arrester screen, do a visual check. Replace the spark arrester screen if it is damaged.
 - a) Clean the spark arrester screen if it is blocked. A blocked spark arrester screen causes the engine to become too hot which causes damage to the engine.

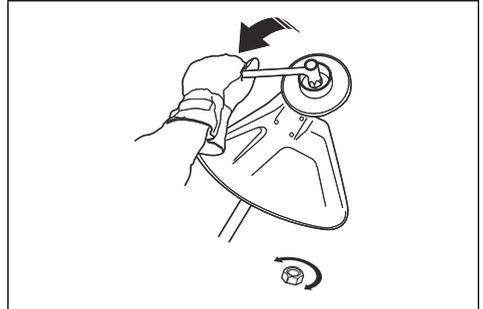
To attach and remove the locknut



WARNING: Stop the engine, use protective gloves and be careful around the sharp edges of the cutting attachment.

A locknut is used to attach some types of cutting attachments. The locknut has a left thread.

- To attach, tighten the locknut in the opposite direction to the direction of turning of the cutting attachment.
- To remove the locknut, loosen the locknut in the same direction as the cutting attachment rotates.
- To loosen and tighten the locknut, use a socket wrench with a long shaft. The arrow in the picture shows the area where you can operate the socket wrench.



WARNING: When you loosen and tighten the locknut, there is a risk of injury from the blade. You must always make sure that the blade guard prevents injury to your hand when you do this.

Note: Make sure that you cannot turn the locknut by hand. Replace the nut if the nylon lining does not have a resistance of a minimum of 1.5 Nm. The locknut must be replaced after it has been put on approximately 10 times.

Cutting equipment

Select correct cutting equipment and do maintenance on the cutting equipment to:

- Get maximum cutting performance.
- Increase lifetime of the cutting equipment.



WARNING: Only use cutting attachments with the guards we recommend! See *Accessories* on page 22. Refer to the instructions for the cutting attachment to find the correct way to load the trimmer line and the correct trimmer line diameter.



WARNING: A defective cutting attachment may increase the risk of accidents.

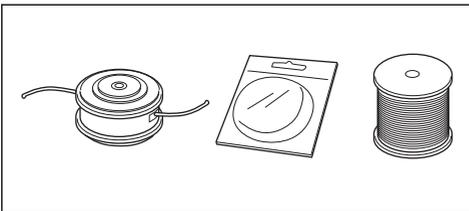


WARNING: Always stop the engine before you do the work on the cutting attachment. This continues to rotate after you release the throttle. Make sure that the cutting attachment has stopped fully and disconnect the spark plug cap before you start the work on it.

Trimmer head



WARNING: Always make sure the trimmer line is wound tightly and evenly around the drum to prevent harmful vibration.



- Only use recommended trimmer heads and trimmer lines.
- Only use recommended cutting attachments.
- Smaller machines requires small trimmer heads and vice versa.

- The length of the trimmer line is important. A longer trimmer line requires greater engine power than a shorter trimmer line of the same diameter.
- Make sure that the cutter on the trimmer guard is intact. This cuts the trimmer line to the correct length.
- Soak the trimmer line in water for a couple of days before use to increase the life length.

Fuel Safety



WARNING: Read the warning instructions that follow before you use the product.

- Never start the product if you spill fuel on it. Wipe the spillage of and allow remaining fuel to evaporate.
- Never start the product if you spill fuel on yourself or your clothes. Change your clothes and wash any part of your body that has come in contact with fuel. Use soap and water.
- Never start the product if the product is leaking fuel. Check regularly for leaks from the fuel cap and fuel lines.
- Always put the product on a flat surface and make sure the cutting attachment cannot come in contact with any object while you add fuel.
- Take care when handling fuel. Bear in mind the risk of fire, explosion and inhaling fumes.
- Observe caution when handling fuel and make sure there is adequate ventilation. Fuel and fuel fumes are highly inflammable and can cause serious injury when inhaled or allowed to come in contact with the skin.
- Mix and pour fuel outdoors, where there are no sparks or flames.
- Do not smoke or place hot objects near fuel.
- Always stop the engine and let it cool off for a few minutes before you refuel.
- Open the fuel cap slowly so that any excess pressure is released gently when you refuel.
- Tighten the fuel cap carefully after you refueled.
- Clean the area around the fuel cap. Contamination in the tank can cause operating problems.
- Always move the product 3m (10ft) or further from the refuelling area and source before starting.

Safety instructions for maintenance



WARNING: Always stop the engine before you do any work on the cutting attachment. The cutting attachment continues to rotate even after the throttle has been released. Ensure that the cutting

attachment has stopped completely and disconnect the spark plug before you start to work on it.



WARNING: A faulty cutting attachment may increase the risk of accidents.



WARNING: Make sure that the trimmer cord is wound tightly and evenly around the

drum, otherwise the product will generate harmful vibration.

- Only use cutting attachments with the guards we recommend. Refer to *Accessories on page 22*.

Assembly

Introduction



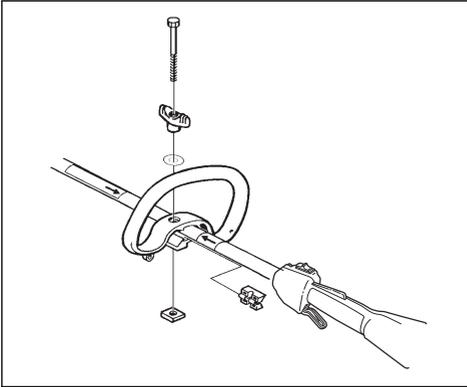
WARNING: Before you assemble the product, you must read and understand the safety chapter.



WARNING: Remove the spark plug cable from the spark plug before you assemble the product.

To assemble the loop handle

1. Put the loop handle onto the shaft, between the arrows.

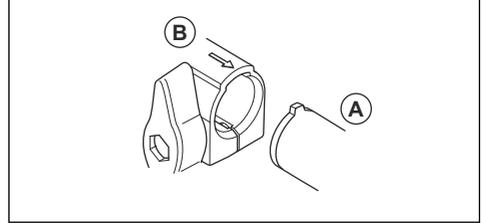


2. Put the spacer into the slot of the loop handle.
3. Install the nut, the knob and the screw. Do not tighten fully.
4. Adjust the product to an applicable operation position.
5. Tighten the knob.

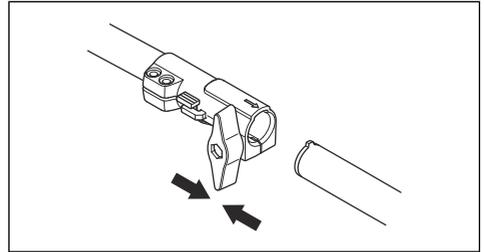
To assemble the two-piece shaft

1. Turn the knob to loosen the coupling.

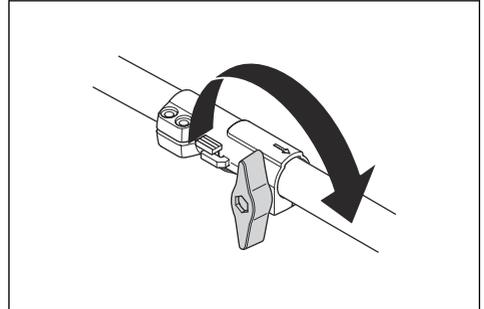
2. Align the tab of the cutting attachment (A) with the arrow of the coupling (B).



3. Carefully push the shaft into the coupling until you hear a click.

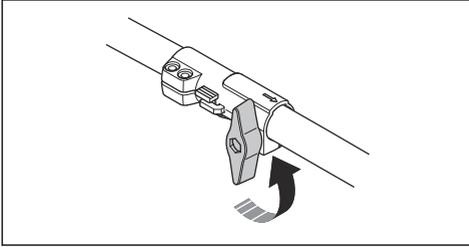


4. Tighten the knob fully.

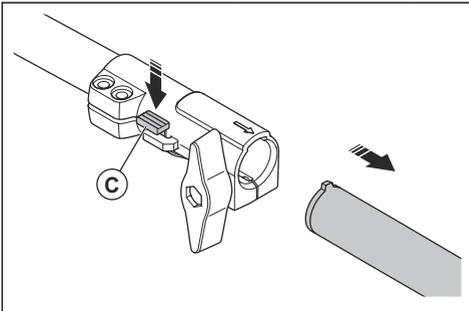


To disassemble the two-piece shaft

1. Turn the knob 3 turns or more to loosen the coupling.



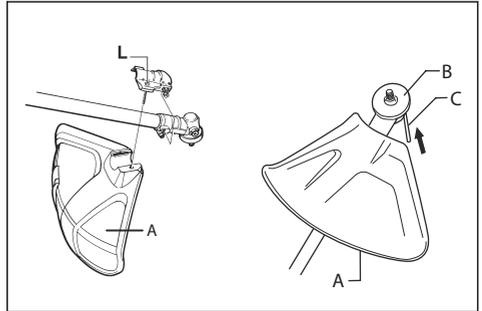
2. Push and hold the button (C).
3. Hold tight in the end of the shaft that the engine is attached to.
4. Pull the attachment straight out of the coupling.



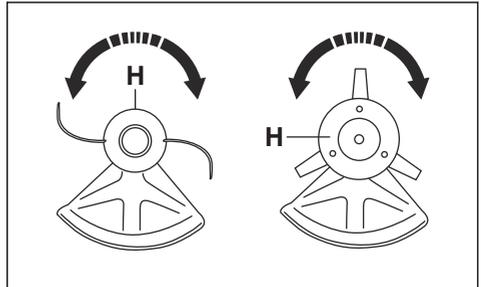
To assemble the cutting attachment guard and trimmer head

1. Attach the correct cutting attachment guard (A) for the trimmer head. Refer to *Accessories* on page 22.

2. Put the cutting attachment guard onto the fitting on the shaft.
3. Attach with the bolt (L).



4. Install the drive disc (B) on the output shaft.
5. Turn the output shaft until one of the holes in the drive disc aligns with the related hole in the gear housing.
6. Put the locking pin (C) in the hole to lock the shaft.
7. Turn the trimmer head /plastic blades (H) in the opposite direction from which the trimmer head/ plastic blades rotates.



Operation

Introduction



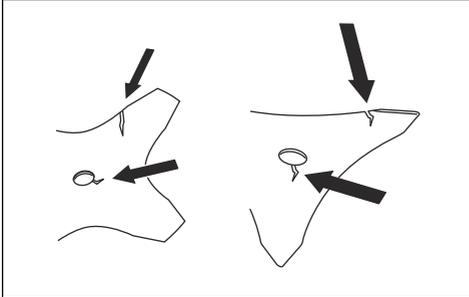
WARNING: Before you operate the product, you must read and understand the safety chapter.

Before you operate the product

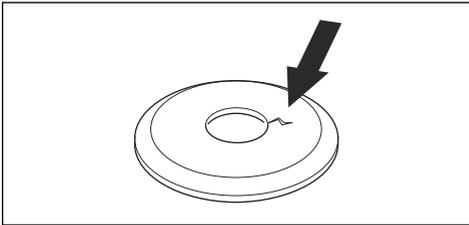
- Examine the work area to make sure that you know the type of terrain, the slope of the ground and if there are obstacles such as stones, branches and ditches.
- Do an overhaul inspection of the product.
- Do the safety inspections, maintenance and servicing that are given in this manual.

- Make sure that all covers, guards, handles and the cutting equipment are correctly attached and not damaged.

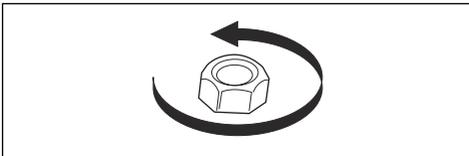
- Make sure that there are no cracks at the bottom of the grass blade teeth or by the center hole of the blade. Replace the blade if it is damaged.



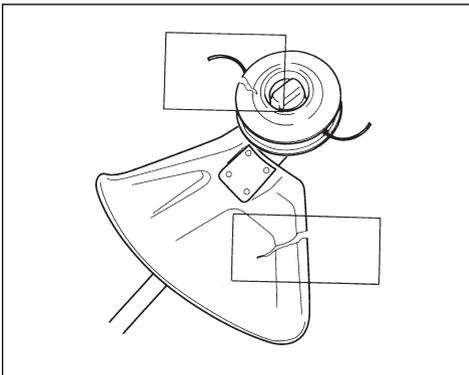
- Examine the support flange for cracks. Replace the support flange if it is damaged.



- Make sure that the locknut can not be removed by hand. If you can remove it by hand, it does not lock the cutting attachment sufficiently and you must replace it.



- Examine the trimmer head and trimmer guard for damages or cracks. Replace the trimmer head and trimmer guard if they have been hit or if they have cracks.



Fuel

This product has a four-stroke engine.



CAUTION: Incorrect type of fuel can result in engine damage.

Gasoline

- Use Husqvarna 4-stroke fuel for best performance and extension of the engine life. The Husqvarna 4-stroke fuel does not become bad or oxidized, which keeps the maintenance intervals to a minimum.
- If Husqvarna 4-stroke fuel is not available, use good quality unleaded gasoline with a maximum of 10% ethanol contents.



CAUTION: Do not use gasoline with an octane grade less than 90 RON/87 AKI. Use of a lower octane grade can cause engine knocking, which causes engine damages.

4-stroke oil

- Do a check of the engine oil level before you start the product. Too low engine oil level can cause damage to the engine. Refer to *To do a check of the engine oil level on page 15*.
- When the product is new, replace the engine oil after the first month or the first 10 hours of operation.
- Use Husqvarna 4-stroke oil for the best performance and engine life. Speak to an approved service agent to select the correct engine oil.
- If Husqvarna 4-stroke oil is not available, use a 4-stroke oil of good quality with minimum API SG rating. The recommended viscosity class is SAE 10W-40. Speak to an approved service agent to select the correct oil.



CAUTION: Do not use oil for two-stroke engines.

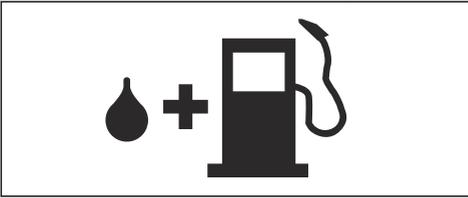
To fill the fuel tank



WARNING: Obey the procedure that follows for your safety.

1. Stop the engine and let the engine become cool.

2. Clean the area around the fuel tank cap.



3. Remove the fuel tank cap slowly to release the pressure.
4. Fill the fuel tank.



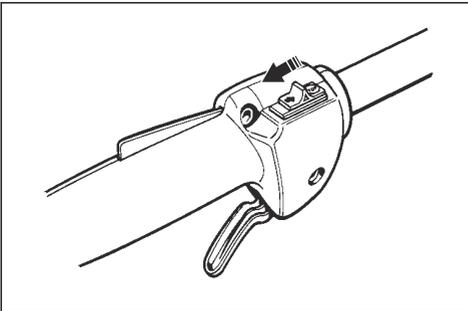
CAUTION: Make sure that there is not too much fuel in the fuel tank. The fuel expands when it becomes hot.

5. Tighten the fuel tank cap carefully.
6. Clean fuel spillage on and around the product.
7. Move the product 3 m/10 ft or more away from the refueling area and fuel source before you start the engine.

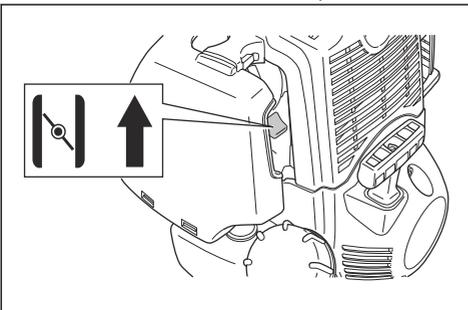
Note: To see where the fuel tank is on your product, refer to *Product overview on page 3*.

To start the product

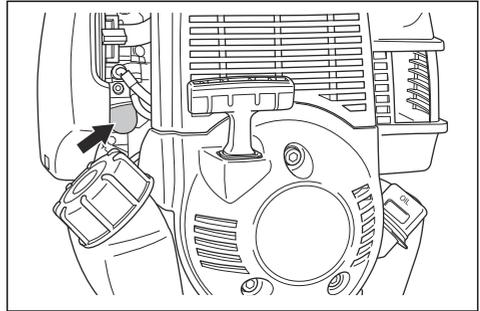
1. Move the stop switch to the start position.



2. Set the choke control to the choke position.



3. Push the air purge bulb until fuel starts to fill the air purge bulb.



4. Hold the product to the ground.
5. Pull the starter rope handle slowly with your right hand until you feel resistance.



WARNING: Do not wind the starter rope around your hand.



CAUTION: Do not pull the starter rope to full extension and do not let go of the starter rope handle. This can cause damage to the product.

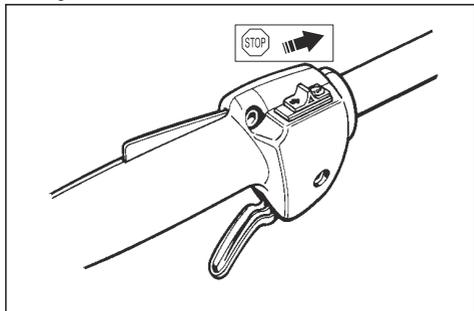
6. Pull the starter rope handle quickly and with force until the engine starts.
7. Set the choke control to the operation position.



WARNING: Keep body parts away from the spark plug cap. Risk of burn injuries. Do not use the product with a damaged spark plug cap. Risk of electrical shock.

To stop the product

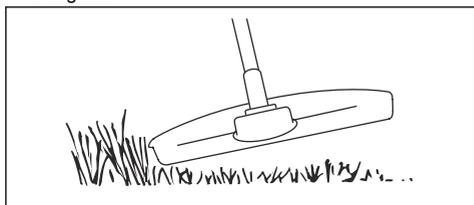
- Move the stop switch to the stop position to stop the engine.



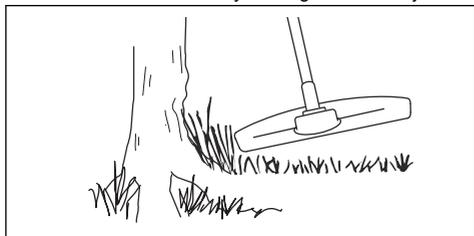
Grass trimming with a trimmer head

To trim the grass

1. Hold the trimmer head immediately above the ground at an angle. Do not push the trimmer line into the grass.

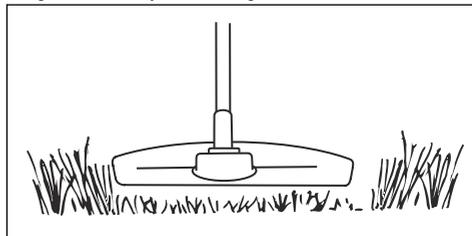


2. Decrease the length of the trimmer line by 10-12 cm / 4-4.75 in.
3. Decrease the engine speed to decrease the risk of damage to plants.
4. Use 80 % throttle when you cut grass near objects.

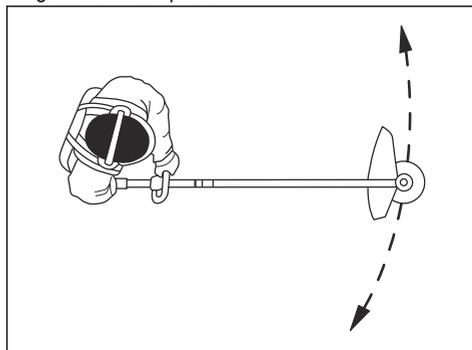


To cut the grass

1. Make sure that the trimmer line is parallel to the ground when you cut the grass.



2. Do not push the trimmer head to the ground. This can cause damage to the product.
3. Move the product from side to side when you cut grass. Use full speed.



To sweep the grass

The airflow from the rotating trimmer line can be used to remove cut grass from an area.

1. Hold the trimmer head and the trimmer line parallel to the ground and above the ground.
2. Apply full throttle.
3. Move the trimmer head from side to side and sweep the grass.



WARNING: Clean the trimmer head cover each time you assemble new trimmer line to prevent unbalance and vibrations in the handles. Also do a check of the other parts of the trimmer head and clean it if necessary.

Maintenance

Introduction

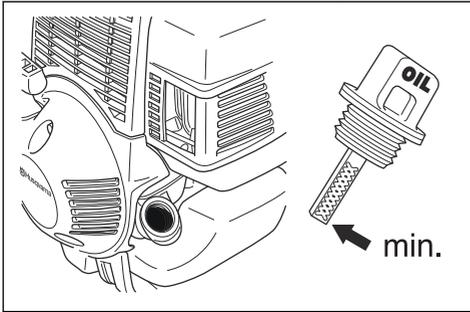


WARNING: Before you do any maintenance work you must read and understand the safety chapter.

To do a check of the engine oil level

1. Stop the engine and let the engine become cool.
2. Put the product on level ground.

3. Clean the area around the oil filler cap.

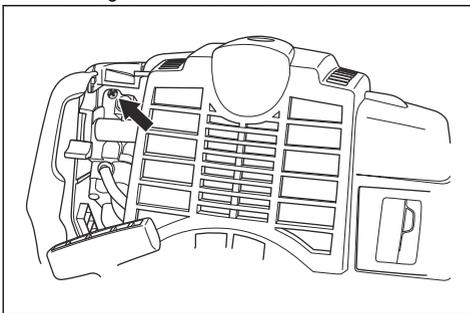


4. Remove the oil filler cap.
5. Remove the oil from the dipstick on the oil filler cap.
6. Put the oil filler cap back into the oil filler neck. Do not tighten the oil filler cap in this step.
7. Pull out the oil filler cap and read the oil level on the dipstick.
8. If the oil level is low, fill with engine oil until the oil is at the edge of the oil filler neck. Only use recommended engine oil. Refer to *4-stroke oil on page 13*.
9. Install the oil filler cap and tighten it fully.

To adjust the idle speed

Your Husqvarna product is made to specifications that decrease harmful emissions.

1. Make sure that the air filter is clean and the air filter cover is attached before you adjust the idle speed.
2. Adjust the idle speed with the idle speed screw T which is identified with "T" mark.
 - a) Turn the idle speed screw T clockwise until the cutting attachment starts to rotate.



- b) Turn the idle speed screw T counterclockwise until the cutting attachment stops.



WARNING: If the cutting attachment does not stop when you adjust the idle speed, speak to your

servicing dealer. Do not use the product until it is correctly adjusted or repaired.

3. The idle speed is correct when the engine operates smoothly in all positions. The idle speed must be below the speed when the cutting attachment starts to rotate.

Note: Refer to # for the recommended idle speed.

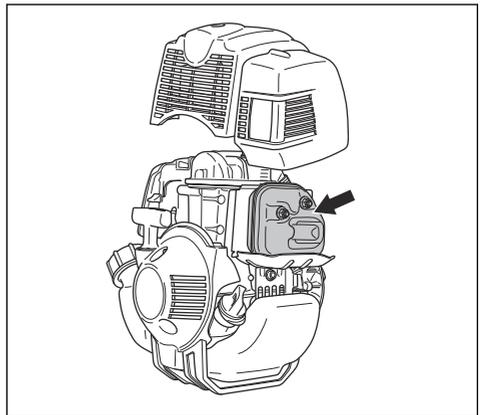
To do maintenance on the muffler



WARNING: The muffler decreases the noise level and points the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks. This can cause fire if pointed against dry and flammable material.

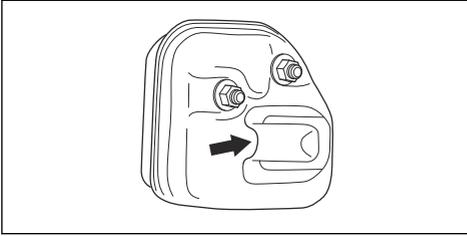


WARNING: Mufflers with catalytic converters become hot during operation. Risk of burn or fire. This also applies at idle speed. To examine if your product has a catalytic converter, refer to #.



1. Stop the engine and let the muffler become cool.
2. Remove the muffler cover.
3. If the muffler on your product has a spark arrester screen, do these steps:
 - a) Do a visual check. Replace the spark arrester screen if it is damaged.

- b) Clean the spark arrester screen if it is blocked. Clean weekly if your product has a catalytic converter. Clean monthly if your product does not have a catalytic converter.



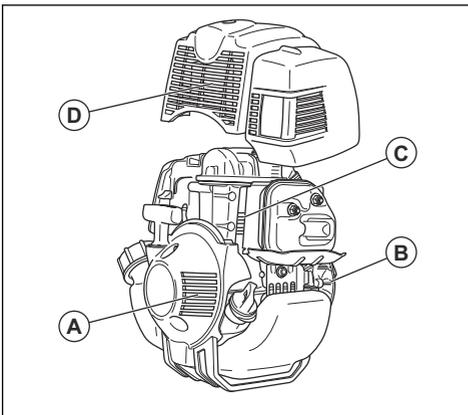
CAUTION: A blocked spark arrester screen causes the engine to become too hot which causes damage to the engine.



CAUTION: If the spark arrester screen is frequently blocked, it can be a sign that performance of the catalytic converter is decreased. Speak to your servicing dealer to examine the muffler. A blocked spark arrester screen causes overheating and results in damage to the cylinder and piston.

To clean the cooling system

The parts of the cooling system are the air intake on the starter (A), the fins on the flywheel (B), the cooling fins on the cylinder (C) and the cylinder cover (D).



1. Clean the cooling system with a brush weekly or more frequently if it is necessary.
2. Make sure that the cooling system is not dirty or blocked.



CAUTION: A dirty or blocked cooling system can make the product too

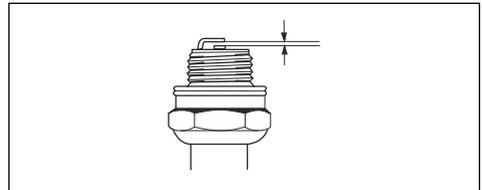
hot, which can cause damage to the product.

To examine the spark plug



CAUTION: Always use the recommended spark plug type. Incorrect spark plug type can cause damage to the product.

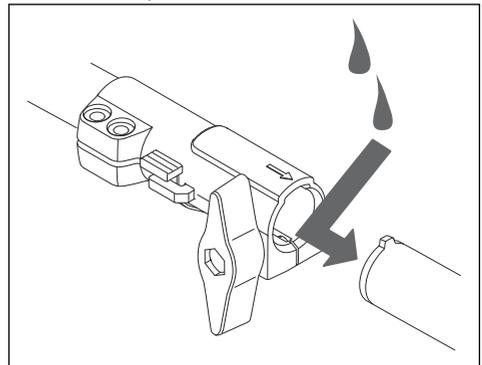
- Examine the spark plug if the engine is low on power, is not easy to start or does not operate correctly at idle speed.
- To decrease the risk of unwanted material on the spark plug electrodes, obey these instructions:
 - a) Make sure that the idle speed is correctly adjusted.
 - b) Make sure that the fuel mixture is correct.
 - c) Make sure that the air filter is clean.
- If the spark plug is dirty, clean it and make sure that the electrode gap is correct, refer to #.



- Replace the spark plug if it is necessary.

To apply grease to the two-piece shaft

- Apply grease to the end of the drive shaft after each 30 hours of operation.

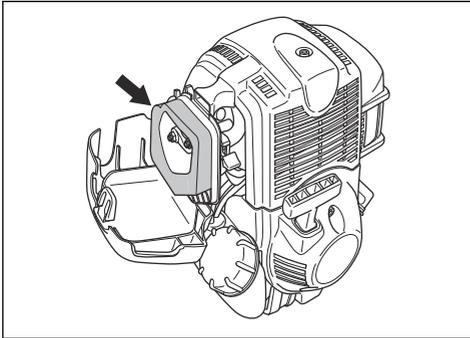


To clean the air filter

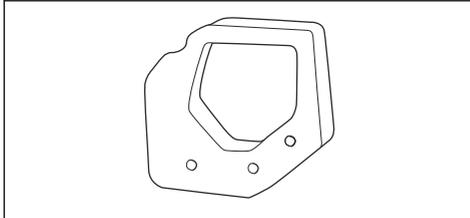


CAUTION: An air filter that is damaged, very dirty or soaked with fuel must always be replaced.

An air filter that is used for a long time can not be fully cleaned. Replace the air filter regularly and always replace a defective air filter.



1. Move the choke lever up, to close the choke valve.
2. Remove the air filter cover and remove the air filter.



3. Clean the air filter with warm soap water.
4. Clean the inner surface of the air filter cover. Use air or a brush.
5. Do a check of the surface of the rubber seal. Replace the filter on the rubber seal if it is damaged.
6. Make sure that the filter is dry before you install it.

To apply oil to the foam air filter



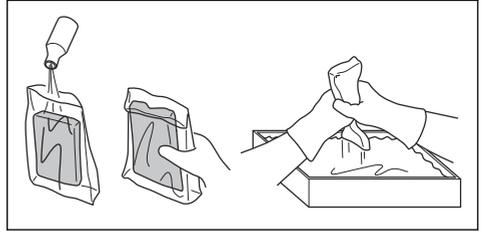
CAUTION: Always use Husqvarna special air filter oil. Do not use other types of oil.



WARNING: Put on protective gloves. The air filter oil can cause skin irritation.

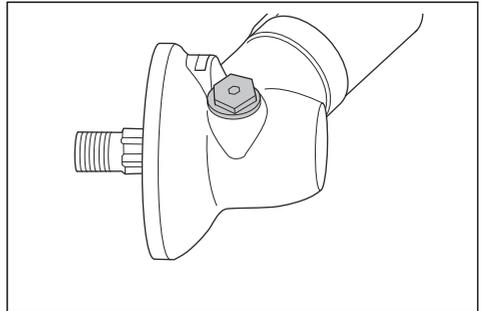
1. Put the foam air filter in a plastic bag.
2. Put the oil in the plastic bag.
3. Rub the plastic bag to supply the oil equally across the foam air filter.

4. Push the unwanted oil out of the foam air filter while in the plastic bag.

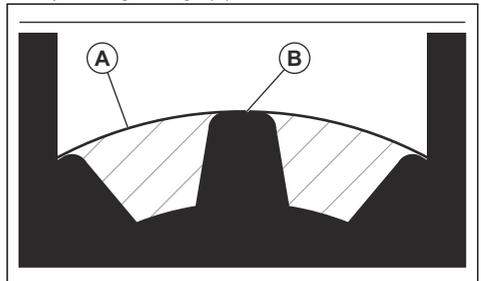


To lubricate the bevel gear

1. Remove the cutting equipment.
2. Put the product with the grease plug at its highest position.
3. Remove the grease plug.



4. Look into the grease plug hole and turn the drive shaft. The grease level (A) must be in level with the top of the gear cogs (B).



5. If the grease level is too low fill the bevel gear with Husqvarna bevel gear grease. Fill slowly and turn the drive shaft as you apply the bevel gear grease, stop at the correct level (B).



CAUTION: An incorrect quantity of grease can cause damage to the bevel gear.

6. Install the grease plug.

Maintenance schedule

manual. For maintenance or servicing that is not given in this operator's manual, speak to your servicing dealer.



WARNING: Only do the maintenance and servicing given in this operator's

Maintenance	Daily	Weekly	Monthly
Clean the external surface.	X		
Make sure that the throttle trigger lockout and the throttle trigger operates correctly.	X		
Do a check of the stop switch to make sure that it operates correctly.	X		
Make sure that the cutting attachment does not rotate at idle speed.	X		
Clean the air filter. Replace the air filter if it is necessary.	X		
Examine the cutting attachment guard for damages and cracks. Replace the guard if it is hit or damaged.	X		
Examine the trimmer head for damages and cracks. Replace the trimmer head if it is damaged.	X		
Make sure that the screws and nuts are tight.	X		
Examine the engine, the fuel tank and the fuel lines for leaks.	X		
Clean the cooling system.		X	
Examine the starter and the starter rope for damages.		X	
Examine the vibration damping elements for damages and cracks.		X	
Clean the external parts of the spark plug. Remove it and do a check of the electrode gap. Adjust the electrode gap to the correct distance, refer to <i>Technical data on page 21</i> or replace the spark plug. Make sure that the spark plug is fitted with a suppressor.		X	
Clean the external parts of the carburetor and the area around it.		X	
Make sure that the bevel gear is filled correctly with grease, see <i>To lubricate the bevel gear on page 18</i> . If not, use Husqvarna bevel gear grease.		X	
Clean or replace the spark arrestor mesh on the muffler (only applies to mufflers without a catalytic converter).		X	X
Do a check of the fuel filter for contamination and the fuel hose for cracks or other defects. Replace parts if it is necessary.			X
Do a check of all the cables and connections.			X
If it is necessary to replace the clutch, clutch springs or clutch drum, speak to your servicing dealer.			X
Replace the spark plug. Make sure that the spark plug is fitted with a suppressor.			X

Troubleshooting

The engine does not start

Check	Possible cause	Procedure
Stop switch.	The stop switch is in the stop position.	Set the stop switch to the start position.
Starter pawls.	The starter pawls cannot move freely.	Remove the starter cover and clean around the starter pawls.
		Let an approved service agent help you.
Fuel tank.	Incorrect fuel type.	Drain the fuel tank and fill with correct fuel.
Spark plug.	The spark plug is dirty or wet.	Make sure that the spark plug is dry and clean.
	The spark plug electrode gap is incorrect.	Clean the spark plug. Make sure that the electrode gap is correct. Make sure that the spark plug has a suppressor.
		Refer to technical data for correct electrode gap.
	The spark plug is loose.	Tighten the spark plug.

The engine starts but stops again

Check	Possible cause	Procedure
Fuel tank.	Incorrect fuel type.	Empty the fuel tank and fill it with correct fuel.
Air filter.	The air filter is clogged.	Clean the air filter.

Transportation and storage

Transportation and storage

- Always allow the product to cool down before storage.
- For storage and transportation of the product and fuel, make sure that there are no leaks or fumes. Sparks or open flames, for example from electrical devices or boilers, can start a fire.
- Always use approved containers for storage and transportation of fuel.
- Empty the fuel before transportation or before long-term storage. Discard the fuel at an applicable disposal location.
- Attach the transport guard during transportation and storage.
- Remove the spark plug cap from the spark plug.
- Attach the product during transportation. Make sure that it cannot move.
- Clean and do servicing on the product before long-term storage.

Technical data

Technical data

	524LK
Engine	
Cylinder displacement, cm ³	25
Idle speed, rpm	3100
Maximum engine power acc. to ISO 8893, kW/hp @ rpm	0.7/7000
Catalytic converter muffler	No
Speed of output shaft, rpm	8300
Ignition system	
Spark plug	NGK CMR5H
Electrode gap, mm	0.6
Fuel system and lubrication system	
Fuel tank capacity, l/cm ³	0.55/550
Weight	
Weight, kg	5.4
Noise emissions ¹	
Sound power level, measured dB(A)	106
Sound power level, guaranteed L _{WA} dB(A)	107
Sound levels ²	
Equivalent sound pressure level at the operator's ear, measured according to EN ISO 11806 and ISO 22868, dB(A):	
Equipped with trimmer head (original)	97
Vibration levels ³	
Equivalent vibration levels (a _{nv,eq}) at handles, measured according to EN ISO 11806 and ISO 22867, m/s ² :	
Equipped with trimmer head (original), front/rear	8.5/6.5

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.

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

³ Reported data for equivalent vibration level has a typical statistical dispersion (standard deviation) of 1 m/s².

Accessories

Accessories

The accessories used in combination with the specified power heads have been evaluated to ANSI B175.3-2013 Grass Trimmers and Brushcutters Safety Requirements.

These combinations have been evaluated by Underwriters Laboratories Inc. (UL) and are consequently UL listed.

524LK			
Approved accessories	Type	Cutting attachment guard, art. no.	
Blade shaft thread M10			
Plastic blades	Tricut Ø 255 mm (separate blades have part number 531 01 77-15)	588 54037-01/ 58811 79-01 503 93 42-02 / 503 97 71-01	
	Tricut Ø 300 mm (separate blades have part number 531 01 77-15)	588 54 37-01	
Trimmer head	Trimmy Fix (Ø 2.4 mm cord)	588 54 37-01 / 588 11 79-01 503 93 42-02 / 503 97 71-01	
	Superauto II (Ø 2.4-2.7 mm cord)	588 54 37-01 / 588 11 79-01 503 93 42-02 / 503 97 71-01	
	S35 (Ø 2.4-3.0 mm cord)	588 54 37-01 / 588 11 79-01 503 93 42-02 / 50397 71-01	
	T25 (Ø 2.0 - 2.7 mm line)	588 54 37-01 / 588 11 79-01 503 93 42-02 / 503 97 71-01	
	T35, T35x (Ø 2.4-3.0 mm cord)	588 54 37-01 / 588 11 79-01 503 93 42-02 / 503 97 71-01	
	Alloy (Ø 2.0-3.3 mm cord)		588 54 37-01 / 588 11 79-01
			503 93 42-02 / 503 97 71-01

The accessories are recommended for use in combination with the specified power heads and have been evaluated to applicable ISO- and EN safety

requirement standards by the Swedish Machinery Testing Institute.

Approved attachments	Use with
Clean sweep attachment SR600-2	524LK
Hedge trimmer attachment HA110	524LK
Hedge trimmer attachment HA850	524LK
Edger attachment EA850	524LK
Saw attachment PA1100	524LK

Approved attachments	Use with
Trimmer attachment TA850	524LK
Extension attachment EX850	524LK
Cultivator attachment CA230	524LK
Blower attachment BA101	524LK
Bristle brush attachment BR600	524LK
Dethatcher attachment DT600	524LK
Brushcutter attachment BCA850-24	524LK
Saw attachment PAX1100	524LK
Saw attachment PAX730	524LK

EC Declaration of Conformity

EC Declaration of Conformity

Husqvarna AB, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, declares that the brushcutter

Husqvarna 524LK with serial numbers dating from 2016 and 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 February 26, 2014 "relating to electromagnetic compatibility" **2014/30/EU**
- 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, refer to *Technical data on page 21*.
- of June 8, 2011 "on the restriction of the use of certain hazardous substances in electrical and electronic equipment" **2011/65/EU**.

The following standards have been applied:

EN ISO 12100:2010, EN ISO 11806-1:2011, ISO 14982:1998, CISPR 12:2007, EN 50581:2012

RISE SMP Svensk Maskinprovning AB, Box 7035, SE-750 07 Uppsala, Sweden, has performed voluntary type examination on behalf of Husqvarna AB. The certificate is numbered: **SEC/09/2168**.

RISE SMP Svensk Maskinprovning AB has also verified agreement with appendix V of the council's directive 2000/14/EG. The certificate have the number: **01/164/037**.

Huskvarna, 2016-03-30



Per Gustafsson, Development Manager (Authorized representative for Husqvarna AB and responsible for technical documentation)



www.husqvarna.com

Original instructions

114246826



2021-03-25