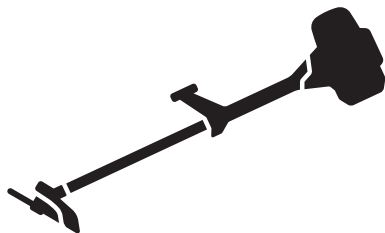




**Husqvarna**<sup>®</sup>



525RX, 525RXT, 525RK



1. Blade
2. Grease filler cap, bevel gear
3. Bevel gear
4. Cutting attachment guard
5. Shaft
6. Handlebar
7. Throttle control
8. Stop switch
9. Throttle lockout
10. Suspension ring
11. Cylinder cover
12. Starter rope handle
13. Fuel tank
14. Choke control
15. Air purge bulb
16. Air filter cover
17. Handle adjustment
18. Locknut
19. Support flange
20. Support cup
21. Drive disc
22. Trimmer head
23. Socket wrench
24. Operator's manual
25. Transport guard
26. Locking pin
27. Harness
28. Shaft coupling (525RK)
29. Start throttle button
30. Throttle cable adjuster
31. Spark plug cap and spark plug
32. Hex key

## Symbols on the product



**WARNING!** Be careful and use the product correctly. This product can cause serious injury or death to the operator or others.



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



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



Maximum speed of the output shaft.



The product agrees with the applicable EC directives.



This product conforms to applicable UK regulations.



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



Keep a minimum distance of 15 m/50 ft. to persons and animals during operation of the product.



Risk of blade thrust if the cutting equipment touches an object that it does not immediately cut. The product can cut off body parts. Keep a minimum of 15 /50 ft. distance to persons and animals during operation of the product.



The arrows shows the limit for the handle position.



Choke.



Fuel.



Air purge bulb.



Use approved protective gloves.



Use heavy-duty slip-resistant boots.



Noise emission to the environment label as per EU and UK directives and regulations, and New South Wales legislation "Protection of the Environment Operations (Noise Control) Regulation 2017". The guaranteed sound power level of the product is specified in *Technical data on page 26* and on the label.



Keep all parts of your body away from hot surfaces.

yyyywwxxxx

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

**Note:** Other symbols/decals on the product refer to certification requirements for other commercial areas.

## Euro V Emissions



**WARNING:** Tampering with the engine voids the EU type-approval of this product.

## Safety

### Safety definitions

The definitions below give the level of severity for each signal word.



**WARNING:** Injury to persons.



**CAUTION:** Damage to the product.

**Note:** This information makes the product easier to use.

### General safety instructions



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

- Use the product correctly. Injury or death is a possible result of incorrect use. Only use the product for the tasks found in this manual. Do not use the product for other tasks.
- Obey the instructions in this manual. Obey the safety symbols and the safety instructions. If the operator does not obey the instructions and the symbols, injury, damage or death is a possible result.
- Do not discard this manual. Use the instructions to assemble, to operate and to keep your product in good condition. Use the instructions for correct installation of attachments and accessories. Only use approved attachments and accessories.
- Do not use a damaged product. Obey the maintenance schedule. Only do the maintenance work that you find an instruction about in this manual. An approved service center must do all other maintenance work.
- This manual cannot include all situations that can occur when you use the product. Be careful and use your common sense. Do not operate the product or do maintenance on the product if you are not sure about of the situation. Speak to a product expert,

your dealer, service agent or approved service center for information.

- Disconnect the spark plug cable before you assemble the product, put the product into storage or do maintenance.
- Do not use the product if it is changed from its initial specification. Do not change a part of the product without approval from the manufacturer. Only use parts approved by the manufacturer. Injury or death is a possible result of incorrect maintenance.
- Do not breathe in the fumes from the engine. Long-term inhalation of the engine's exhaust fumes is a health risk.
- Do not start the product indoors or near flammable material. The exhaust fumes are hot and can contain a spark which can start a fire. Not sufficient airflow can cause injury or death because of asphyxiation or carbon monoxide.
- When you use this product the engine makes an electromagnetic field. The electromagnetic field can cause damage to medical implants. Speak to your physician and medical implant manufacturer before you operate the product.
- Do not let a child operate the product. Do not let a person without knowledge of the instructions operate the product.
- Make sure that you always monitor a person, with decreased physical capacity or mental capacity, that uses the product. A responsible adult must be there at all times.
- Lock the product in an area that children and unapproved persons cannot access.
- The product can eject objects and cause injuries. Obey the safety instructions to decrease the risk of injury or death.
- Do not go away from the product when the engine is on.
- The operator of the product is responsible if an accident occurs.
- Make sure that parts are not damaged before you use the product.
- Make sure that you are at minimum 15 m (50 ft) away from other persons or animals before you use the product. Make sure that persons in the adjacent area know that you will use the product.

- Refer to national or local laws. They can prevent or decrease the operation of the product in some conditions.
- Do not use the product if you are fatigued or influenced by alcohol, drugs or medicine. They can have effects on your vision, alertness, coordination or judgment.

## Safety instructions for assembly



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

- Use approved protective gloves when you assemble the product and cutting attachment.
- Remove the spark plug cap from the spark plug before you assemble the product.
- Make sure that the correct handlebar and cutting attachment guard are assembled before you operate the product.
- A defective or incorrect cutting attachment guard can cause injury. Do not use a cutting attachment without an approved cutting attachment guard.
- Attach the clutch cover and shaft correctly before you start the product.
- The drive disc and support flange must engage correctly in the center hole of the cutting attachment. A cutting attachment that is attached incorrectly can cause injury or death.
- Attach the harness to the product to prevent injury to the operator or others.

## Safety instructions for operation

- Make sure the product is fully assembled before you use it.
- Before a start, move the product 3 m (10 ft) away from the position where you filled the fuel tank. Put the product on a flat surface. Make sure that the cutting attachment does not touch the ground or other objects.
- The product can cause objects to eject, which can cause damage to the eyes. Always use an approved eye protection when you operate the product.
- Be careful, a child can come near the product without your knowledge during operation.
- Do not operate the product if there are persons in the work area. Stop the product if a person goes into the work area.
- Make sure that you are always in control of the product.
- Do not use the product if you cannot receive aid if an accident occurs. Always make sure others know you will operate the product before you start to operate the product.
- Do not turn with the product before you make sure that no persons or animals are in the safety area.

- Remove all unwanted materials from the work area before you start. If the cutting attachment hits an object, the object can eject and cause injury or damage. Unwanted material can wind around the cutting attachment and cause damage.
- Do not use the product in bad weather (fog, rain, strong winds, risk of lightning or other weather conditions.). Dangerous conditions (such as slippery surfaces) can occur because of bad weather.
- Make sure that you can move freely and work in a stable position.



- Make sure that you cannot fall when you use the product. Do not tilt when you operate the product.
- Always hold the product with your two hands. Hold the product on the right side of your body.



- Operate the product with the cutting attachment below your waist.
- If the choke control is in the choke position when the engine starts, the cutting attachment starts to turn.
- Do not touch the bevel gear after the engine stops. The bevel gear is hot after the engine stops. Hot areas can cause injury.
- Stop the engine before you move the product.
- Do not put down the product with the engine on.
- Before you remove the unwanted materials from the product, stop the engine and wait until the cutting attachment stops. Let the cutting attachment stop before you or an aid remove the cut material.

## Personal protective equipment



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

- Always use correct personal protective equipment when you operate the product. The personal protective equipment does not erase the risk of

injury. The personal protective equipment decreases the grade of injury if an accident occurs.

- Always use an approved eye protection while you operate the product.
- Do not operate the product with bare feet or with open shoes. Always use heavy-duty slip-resistant boots.
- Use heavy, long pants.
- If it is necessary, use approved protective gloves.
- Use a helmet if it is possible that objects fall on your head.
- Always use approved ear protection while you operate the product. Noise for a long period can cause noise-induced hearing loss.
- Make sure that you have a first aid kit near.

### Protective devices on the product

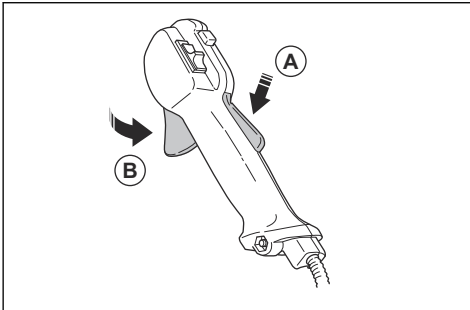
- Make sure that you regularly do the maintenance to the product.
  - The life of the product increases.
  - The risk of accidents decreases.

Let an approved dealer or an approved service center regularly examine the product to do adjustments or repairs.

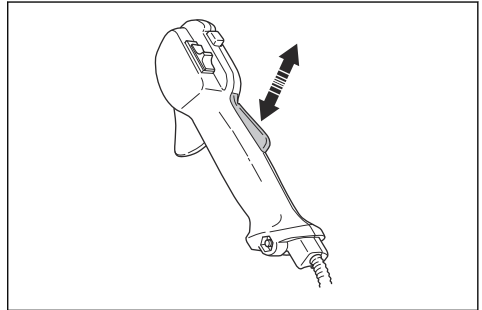
- Do not use a product with damaged protective equipment. If the product is damaged, speak to an approved service center.

### To do a check of the throttle trigger lockout

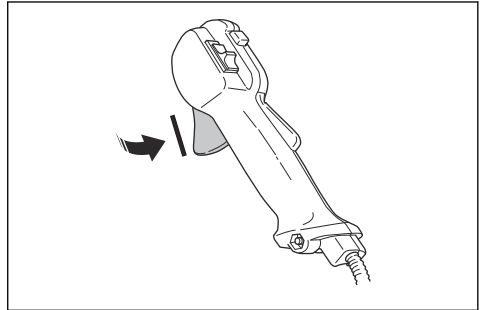
1. Make sure that the throttle trigger lockout (A) and throttle trigger (B) move freely and that the return spring operates correctly.



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



3. Make sure that the throttle trigger is locked at the idle position when the throttle trigger lockout is released.



4. Start the product and apply full throttle.
5. Release the throttle trigger and make sure that the cutting attachment stops and stays stationary.

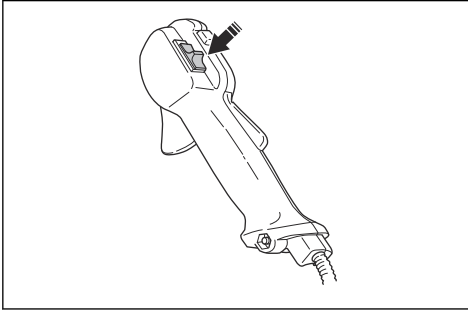


**WARNING:** If the cutting attachment moves when the throttle trigger is in the idle position, then the carburetor idle speed must be adjusted. Refer to *To adjust the idle speed on page 21*.

### 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

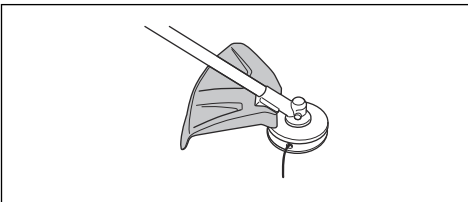


**WARNING:** Do not use a cutting attachment without an approved and correctly attached cutting attachment guard. Refer to, *Accessories on page 27*.



**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, *Technical data on page 26*.

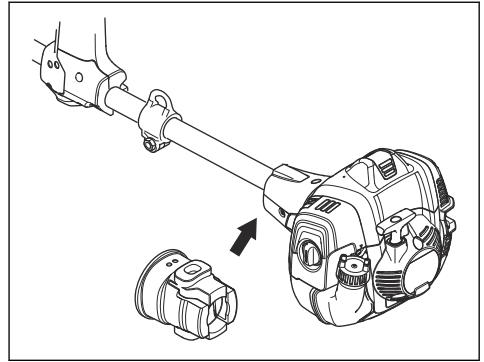
The cutting attachment guard prevents injuries from objects that eject in the direction of the operator. It also prevents injuries that occur if you touch the cutting attachment.



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

The vibration damping system decreases vibration in the handles to a minimum which makes the operation easier.



1. Stop the engine.
2. Do a visual check for deformation and damage, for example cracks.
3. Make sure that the elements of the vibration damping system are attached correctly.

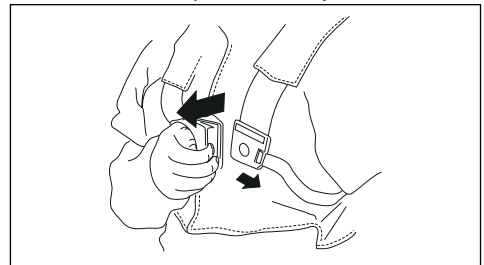
#### To do a check of the quick-release mechanism



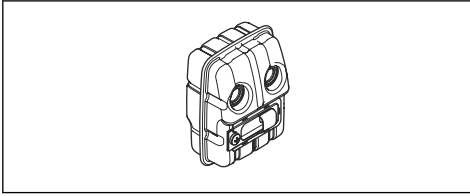
**WARNING:** Do not use a harness with a defective quick-release mechanism.

The quick-release mechanism lets the operator remove the product quickly from the harness if there is an emergency.

1. Stop the engine.
2. Do a visual check for damage, for example cracks.
3. Release and attach the quick-release mechanism to make sure that it operates correctly.

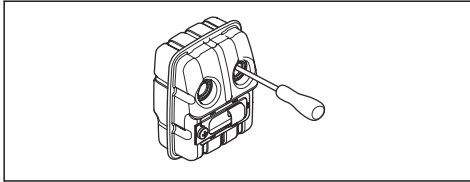


## To do a check of the muffler

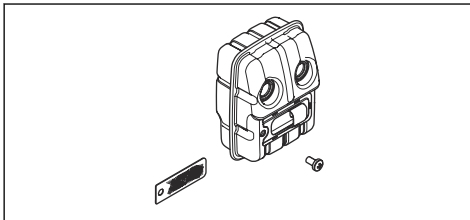


The muffler keeps noise levels to a minimum and sends exhaust fumes away from the operator.

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



## Cutting equipment

Choose and maintain the cutting equipment to:

- Obtain maximum cutting performance.
- Increase life span of the cutting equipment.
- Follow the checking, maintenance and service instructions for the muffler.
- Always use the recommended guard for the cutting equipment. See Technical data.



**WARNING:** Only use cutting attachments with the guards we recommend! See the chapter on Technical data. Refer to the instructions for the cutting attachment to check the correct way to load

the trimmer line and the correct trimmer line diameter.



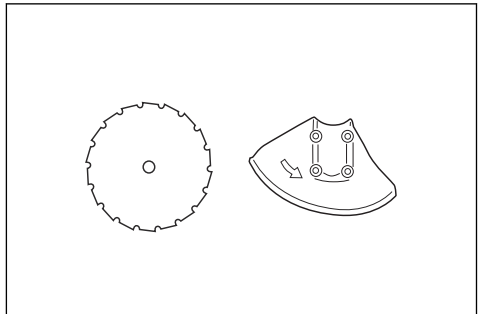
**WARNING:** A faulty cutting attachment may increase the risk of accidents.



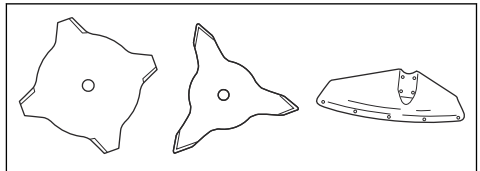
**WARNING:** Always stop the engine before doing any work on the cutting attachment. This continues to rotate even after the throttle has been released. Ensure that the cutting attachment has stopped completely and disconnect the spark plug cap before you start to work on it.

## Cutting equipment

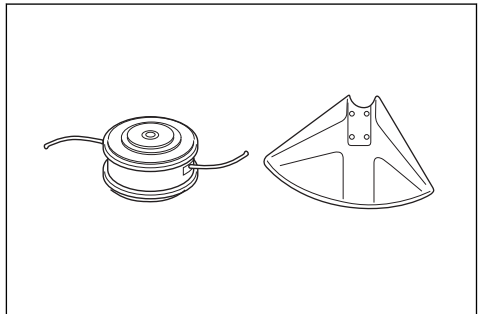
- Use the saw blade to cut fibrous types of wood.



- Use the blades and grass knives to cut coarse grass.



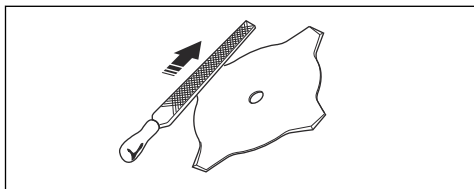
- Use the trimmer head to cut grass.



- An incorrectly sharpened or damaged blade increases the risk of accidents. Keep the teeth of the blade correctly sharpened. Obey the instructions in



To sharpen grass cutters and grass blades on page 24 and use the recommended file gauge.

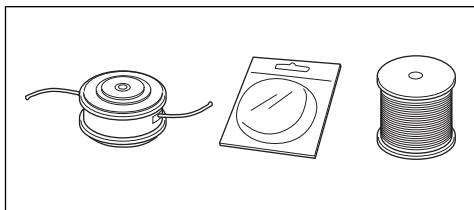


- Examine the cutting attachment for damage and cracks. Replace the damaged cutting attachment.
- Only use cutting attachments with recommended guards. Refer to *Accessories* on page 27.

### 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.

### Grass blades and grass cutters

- Use the product with an approved grass blade. Do not use a grass blade without proper installation of all required parts. Make sure that the installation is done correctly and that the proper parts are used. Improper installation may cause the blade to fly off and seriously injure the operator or the bystanders.
- Wear protective gloves when you handle or do maintenance on the blade.
- Use head protection when you operate a product with a grass blade.

- Grass blades and grass cutters are used to cut rough grass.
- A grass blade can cause injury while it continues to spin after the engine is stopped or the throttle trigger is released. Make sure that the grass blade has completely stopped rotating before any maintenance.
- Stop the engine before you do work on the cutting attachment. Make sure the cutting attachment fully stops. Disconnect the lead from the spark plug.
- Only use an approved cutting attachment or a correctly sharpened blade.
- Keep the teeth of the blade correctly sharpened.
- Do not use a damaged cutting attachment.
- Attach the transport guard to the grass blade when you transport or store the product.

### Blade thrust

- A blade thrust is a sudden movement of the product to the side, forward or rearward. A blade thrust occurs when the grass blade hits an object that cannot be cut. In areas where it is not easy to see the material being cut the risk of blade thrust increases.
- When a blade thrust occurs, there is a risk that the product or the operator moves out of position. A blade that moves can hit bystanders and there is a risk of injuries.
- If a blade is bent, has cracks, is broken or damaged, discard the blade.
- Use a sharp blade. The risk of blade thrust increases when a blade is not sharp.

### 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

- If you cannot adjust the idle speed to make the cutting attachment stop, speak to your service center. Do not use the product until the product is correctly adjusted or repaired.

# Assembly

## Introduction



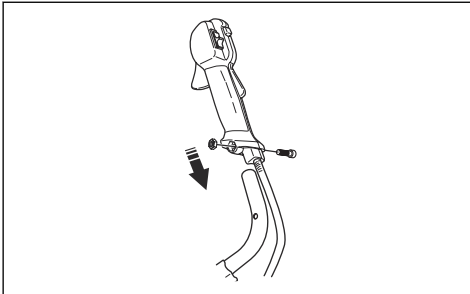
**WARNING:** Before you assemble the product, you must read and understand the safety chapter.



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

## To assemble the throttle handle

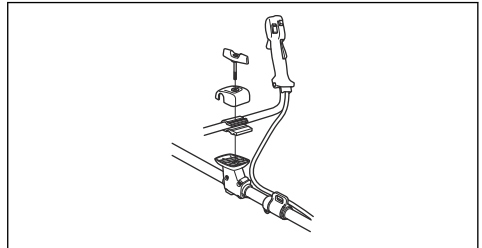
1. Remove the screw behind the throttle handle.



2. Move the throttle handle to the right side of the handlebar.
3. Align the hole behind the throttle handle with the hole in the handlebar.
4. Put the screw through the holes. Tighten the screw.

## To assemble the handlebar

1. Put the handlebar into the bracket.



2. Make sure that the holes for the knob align.
3. Attach the knob but do not tighten fully.
4. Adjust the handlebar to put the product in a good operation position.

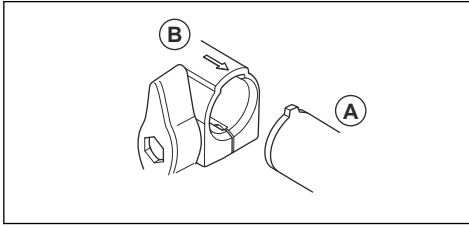


5. Tighten the knob fully.

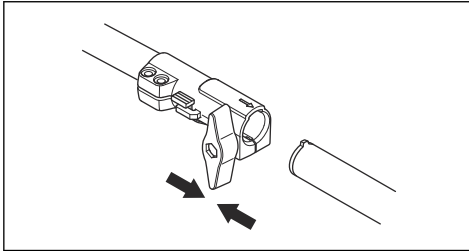
## To assemble the two-piece shaft 525RK

1. Turn the knob to loosen the coupling.

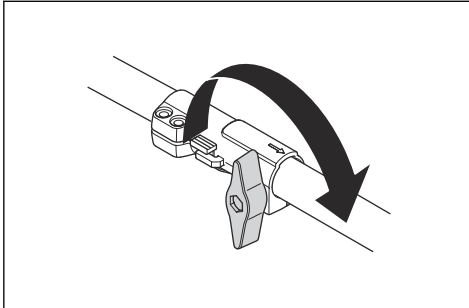
- Align the tab of the cutting attachment (A) with the arrow of the coupling (B).



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

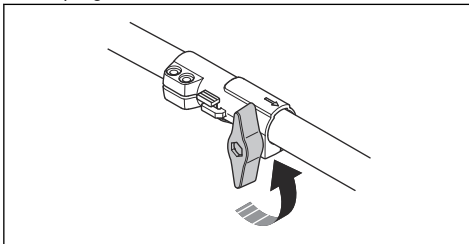


- Tighten the knob fully.



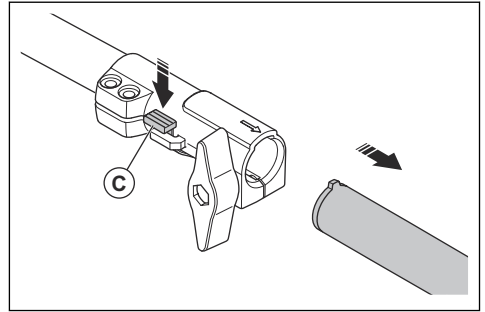
## To disassemble the two-piece shaft 525RK

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



- Push and hold the button (C).
- Hold tight to the end of the shaft that the engine is attached to.

- Pull the attachment straight out of the coupling.



## To assemble the cutting equipment

The cutting equipment includes a cutting attachment and a cutting attachment guard.



**WARNING:** Use protective gloves.



**WARNING:** Always use the cutting attachment guard that is recommended for the cutting attachment. See *Accessories* on page 27.



**WARNING:** An incorrectly attached cutting attachment can result in injury or death.

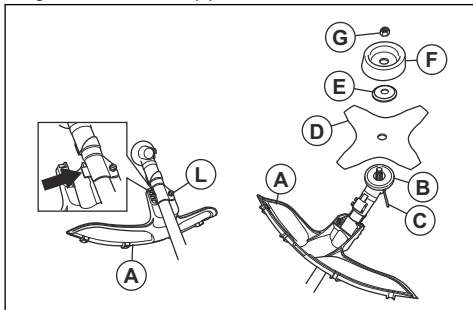
## To attach a blade guard, grass blade and grass cutter



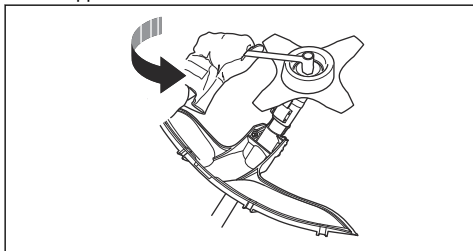
**CAUTION:** Make sure that the guard extension is removed.

**Note:** Use the recommended blade guard. Refer to *Accessories* on page 27.

1. Install the blade guard to the shaft. Attach the blade guard with the bolt (L).



2. Attach the drive disc (B) to the output shaft.
3. Turn the output shaft until 1 of the holes in the drive disc aligns with the hole in the gear housing.
4. Put the locking pin or hex key (C) into the hole to lock the shaft.
5. Put the blade (D), support flange (E) and support cup (F) on the output shaft.
6. Install the nut (G). Use the combination wrench and tighten the nut to torque 35-50 Nm. Hold the shaft of the combination wrench as near the blade guard as possible.
7. To tighten the nut, turn the combination wrench in the opposite direction to the direction of rotation.



**Note:** Left hand thread.

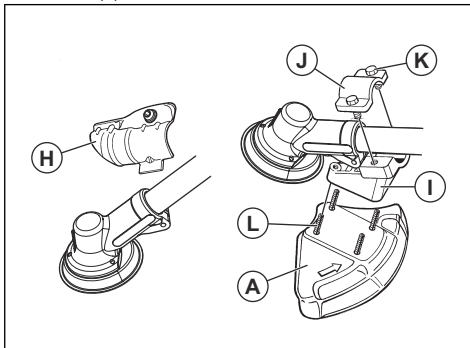
### To install the blade guard



**CAUTION:** Only use the approved guard for the blades. Refer to *Accessories* on page 27.

1. Remove the bracket (H).
2. Attach the adapter (I) and bracket (J) with the 2 screws (K).

3. Attach the blade guard (A) to the adapter with the 4 screws (L).



### To install the saw blade

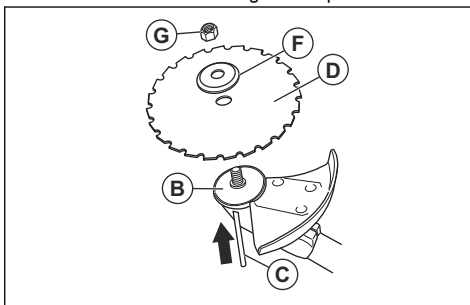


**WARNING:** There is a risk of injury around the saw blade nut. Make sure that the blade guard is correctly installed. Always use protective gloves.

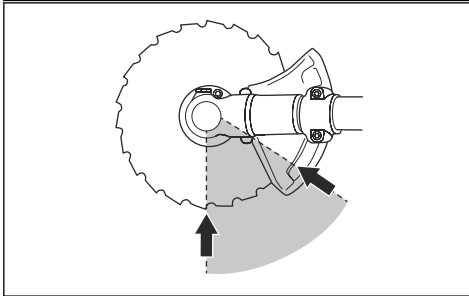
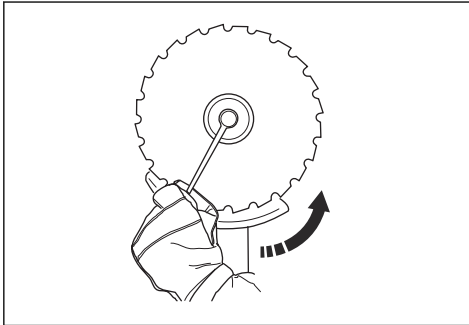
1. Attach the drive disc (B) to the output shaft.
2. Turn the blade shaft until one of the holes in the drive disc aligns with the hole in the gear housing.
3. Put the locking pin (C) in the hole to lock the shaft.
4. Install the saw blade (D) and the support flange (F) to the output shaft.
5. Install the saw blade nut (G).

**Note:** The saw blade nut has a left hand thread.

6. Turn the socket wrench counterclockwise to tighten the locknut. Make sure that the torque of the locknut is 35-50 Nm (3.5-5 kpm). Hold the shaft of the socket wrench as near the blade guard as possible.

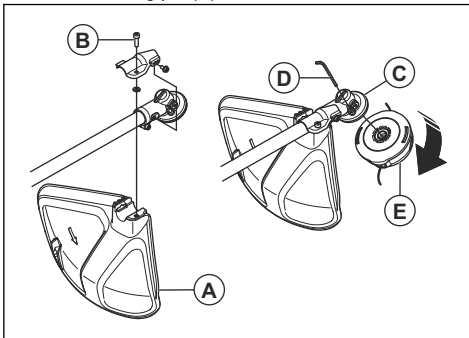


- a) Make sure that you operate the socket wrench in the identified area when you loosen or tighten the saw blade nut.

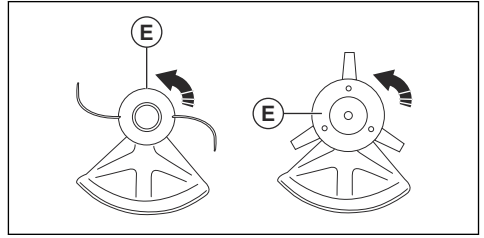


### To assemble and disassemble the cutting attachment guard and trimmer head

1. Attach the correct cutting attachment guard (A) for the trimmer head. Refer to *Accessories on page 27*.
2. Put the cutting attachment guard onto the fitting on the shaft.
3. Attach the cutting attachment guard with the bolt (B).
4. Install the drive disc (C) 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 (D) in the hole to lock the shaft.



7. Turn the cutting equipment (E) in the opposite direction from which the cutting equipment rotate.



8. To disassemble, follow the instructions in the opposite sequence.

### To adjust the harness



**WARNING:** The product must always be correctly attached to the harness. Do not use a defective harness.

1. Put on the harness.
2. Connect the product to the harness.
3. Adjust the harness for the best work position.
4. Adjust the side straps to make the product weigh equally on your shoulders.



5. Adjust the harness until the cutting attachment is parallel to the ground.
6. Let the cutting attachment lightly touch the ground. Adjust the harness clamp to balance the product correctly.

**Note:** If you use a grass blade, it must balance approximately 10 cm / 4 in above the ground.

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# Operation

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**WARNING:** Read and understand the safety chapter before you operate the product.

---

## Introduction

---



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

---

## Fuel

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This product has a two-stroke engine.

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**CAUTION:** Incorrect type of fuel can result in engine damage. Use a mixture of gasoline and two-stroke oil.

---

## Premixed fuel

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- Use Husqvarna premixed alkylate fuel for best performance and extension of the engine life. This fuel contains less harmful chemicals compared to regular fuel, which decreases harmful exhaust fumes. The quantity of remains after combustion is lower with this fuel, which keeps the components of the engine more clean.
- 

## To mix fuel

---

### Gasoline

---

- 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.

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### Two-stroke oil

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- For best results and performance use Husqvarna two-stroke oil.
  - If Husqvarna two-stroke oil is not available, use a two-stroke oil of good quality for air-cooled engines. Speak to your servicing dealer to select the correct oil.
- 



**CAUTION:** Do not use two-stroke oil for water-cooled outboard engines, also referred to as outboard oil. Do not use oil for four-stroke engines.

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## To mix gasoline and two-stroke oil

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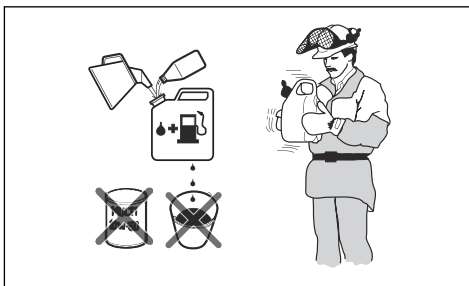
Gasoline, liter	Two-stroke oil, liter
	<b>2% (50:1)</b>
5	0.10
10	0.20
15	0.30
20	0.40

---



**CAUTION:** Small errors can influence the ratio of the mixture drastically when you mix small quantities of fuel. Measure the quantity of oil carefully and make sure that you get the correct mixture.

---



1. Fill half the quantity of gasoline in a clean container for fuel.
  2. Add the full quantity of oil.
  3. Shake the fuel mixture.
  4. Add the remaining quantity of gasoline to the container.
  5. Carefully shake the fuel mixture.
- 



**CAUTION:** Do not mix fuel for more than 1 month at a time.

---

## To fill the fuel tank

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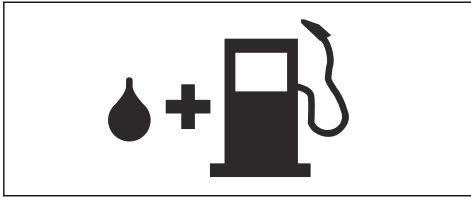


**WARNING:** Obey the procedure that follows for your safety.

---

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

- Clean the area around the fuel tank cap.



- Shake the container and make sure that the fuel is fully mixed.
- Remove the fuel tank cap slowly to release the pressure.
- 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.

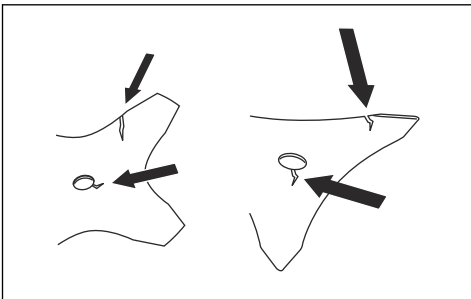
- Tighten the fuel tank cap carefully.
- Clean fuel spillage on and around the product.
- Move the product 3 m/10 ft or more away from the refueling area and fuel source before you start the engine.

**Note:** To see where the fuel tank is on your product, refer to *Product overview on page 2*.

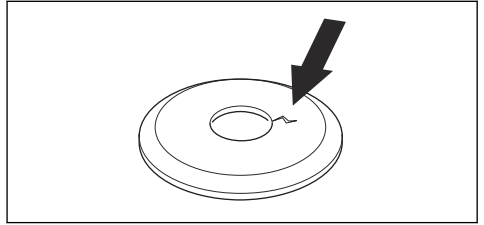
## To start and stop

### Before you operate the product

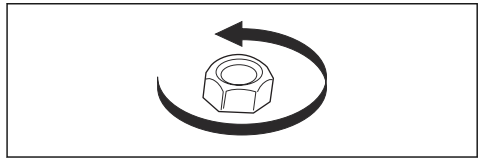
- Examine the work area to make sure that you know the type of terrain, the slope of the ground and if there are obstacles such as stones, branches and ditches.
- Do an overhaul inspection of the product.
- Do the safety inspections, maintenance and servicing that are given in this manual.
- Make sure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



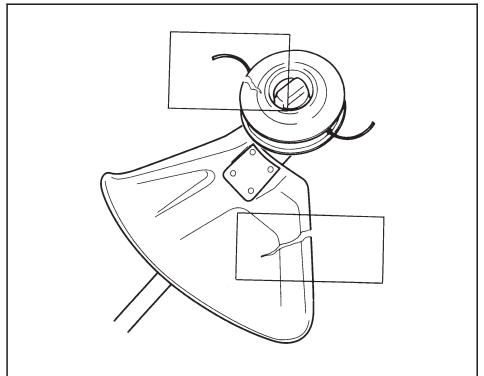
- Examine the support flange for cracks. Replace the support flange if it is damaged.



- 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.

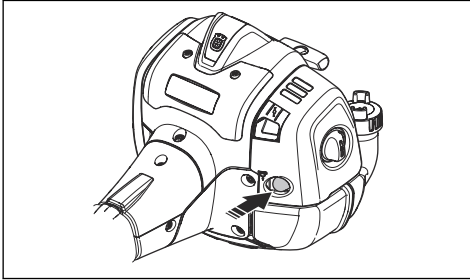


- Examine the trimmer head and trimmer guard for damages or cracks. Replace the trimmer head and trimmer guard if they have been hit or if they have cracks.

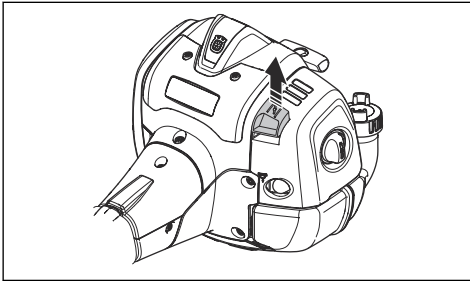


## To prepare a cold engine for start

1. Push the air purge bulb again and again until fuel starts to fill the bulb. It is not necessary to fill the air purge bulb fully.



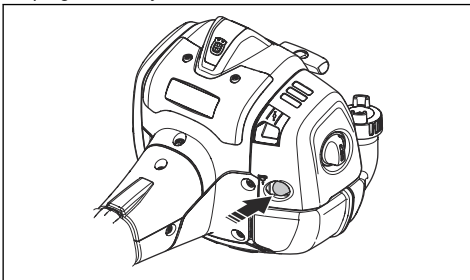
2. Move the choke control up into choke position.



**WARNING:** The cutting attachment starts to rotate immediately when you start the engine with the choke.

## To prepare a warm engine for start

1. Push the air purge bulb again and again until fuel starts to fill the bulb. It is not necessary to fill the air purge bulb fully.



2. Pull the starter rope handle until the engine starts. Push the throttle trigger slowly to increase the speed gradually.



**CAUTION:** Do not pull the starter rope to full extension. Do not let go of the starter rope handle when the starter

rope is fully extended. This can cause damage to the product.

## To start the product



**WARNING:** Read the warning instructions in the safety chapter before you start the product (refer to *Safety on page 4*).

1. Use protective gloves.
2. Hold the body of the product on the ground with your left hand.



**CAUTION:** Do not use your feet!

3. Hold the starter rope handle with your right hand.
4. Slowly pull out the starter rope with your right hand until you feel some resistance (the starter pawls grip).



**WARNING:** Do not twist the starter rope around your hand.

5. Pull the cord quickly and with power.



**CAUTION:** Do not pull the starter rope all the way out and do not let go off the starter rope handle when the starter rope is fully extended. This can cause damage to the product.

6. Pull the starter rope until the engine starts or for a maximum of 5 times.
7. Reset the choke when the engine starts or after you pull the starter rope 5 times.
8. If it is necessary, pull the starter rope again and again until the engine starts.
9. Let the engine run for 10 seconds.
10. Operate the throttle gradually.
11. Make sure the engine runs smoothly.

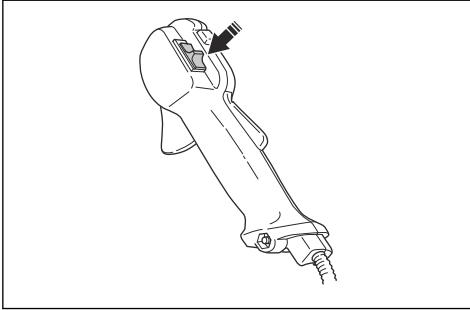
**Note:** If the engine stops, do the procedure again.

## To stop the engine

1. Push the throttle trigger to the idle position.



2. Move the stop switch to the stop position.



## To operate the grass trimmer



**CAUTION:** Make sure that you slow the engine to idle speed after each operation. A long period at full throttle without a load on the engine can cause damage to the engine.

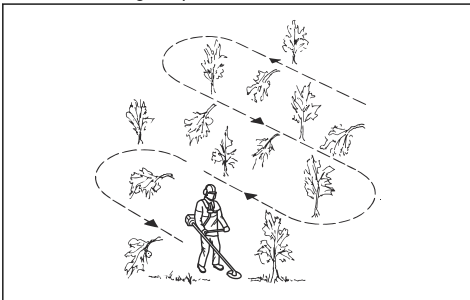
**Note:** Clean the cover of the trimmer head when you attach a new trimmer line to prevent vibrations. Examine other parts of the trimmer head and clean if it is necessary.

## General work instructions



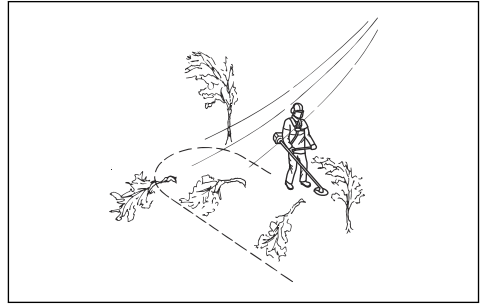
**WARNING:** Be careful when you cut a tree that is in tension. It can spring back to its normal position before or after the cut and hit you or the product, and cause injury.

- Clear an open space at one end of the work area, and start the work from there.
- Move in a regular pattern across the work area.



- Move the product fully to the left and right, to clear a width of 4–5 m (13-16 ft) on each turn.
- Clear a length of 75 m (250 ft) before you turn and go back. Move the fuel can along with you as you continue.
- Move in a direction where you do not go across ditches and obstacles more than necessary.

- Move in a direction where the wind makes the cut vegetation fall in the cleared area.



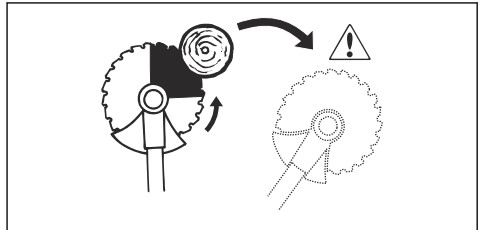
- Move along slopes, not up and down.

## Blade thrust

A blade thrust is when the product moves to the side quickly and with force. A blade thrust occurs when the grass blade or saw blade hits or catches on an object that cannot be cut. A blade thrust can eject the product or operator in all directions. There is a risk of injury to the operator and bystanders.

The risk increases in areas where it is not easy to see the material that is cut.

Do not cut with the area of the blade that is shown in black. The speed and movement of the blade can cause blade thrust. The risk increases with the thickness of the branch that is cut.



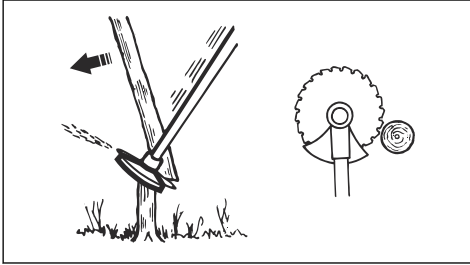
## Forestry clearing with a saw blade

### To fell a tree to the left

To fell to the left, push the bottom of the tree to the right.

1. Apply full throttle.
2. Put the saw blade against the tree as given in the picture.

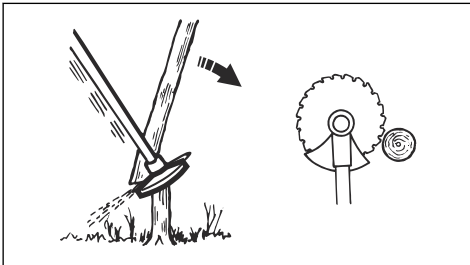
3. Tilt the saw blade and push it with force diagonally down to the right. At the same time, push the tree with the blade guard.



### To fell a tree to the right

To fell to the right, push the bottom of the tree to the left.

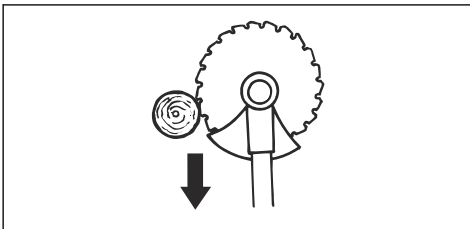
1. Apply full throttle.
2. Put the saw blade against the tree as given in the picture.
3. Tilt the saw blade and push it with force diagonally up and to the right. At the same time, push the tree with the blade guard.



### To fell a tree forward

To fell forward, push the bottom of the tree rearward.

1. Apply full throttle.
2. Put the saw blade against the tree as given in the picture.
3. Pull the saw blade forward with a fast movement.



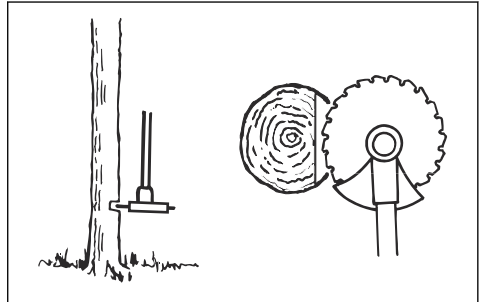
### To fell large trees

Large trees must be cut from 2 sides.

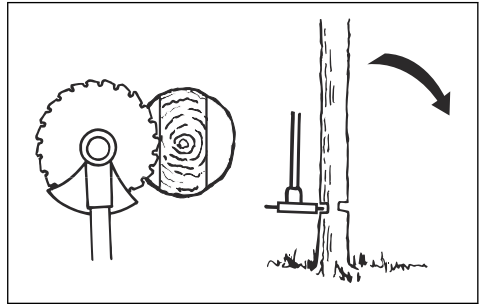
1. Examine in which direction the tree will fall.

2. Apply full throttle.

3. Do the first cut on the side of the tree to which it will fall.



4. Cut through the tree from the other side.



**CAUTION:** If the saw blade becomes blocked, do not pull the product with a sudden movement. That can cause damage to the saw blade, bevel gear, shaft or handlebar. Release the handles, hold the shaft with 2 hands and carefully pull the product.

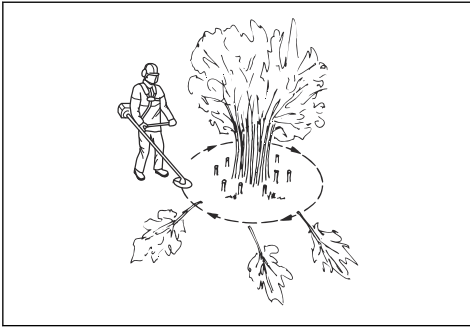
**Note:** Use more cutting pressure to fell small trees. Use less cutting pressure to fell large trees.

### Brush cutting with a saw blade

To fell to the left, push the bottom of the tree to the right.

- Cut down thin trees and brush.
- Move the product from side to side.
- Cut many trees in one movement.

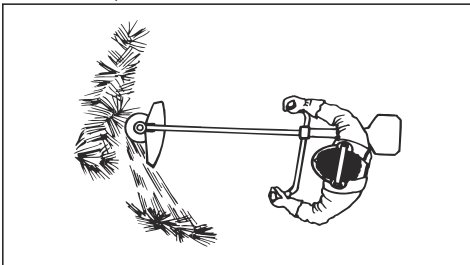
- For groups of thin trees:



- a) Cut the outer trees high up.
- b) Cut the outer trees to the correct height.
- c) Cut from the center. If you cannot get access to the center, cut the outer trees high up and let them fall. This decreases the risk that the saw blade becomes blocked.

### To clear grass with a grass blade

1. Keep your feet apart during operation of the product. Make sure feet are tightly against the ground.
2. Put the support cup lightly on the ground. This prevents the blade from touching the ground.
3. Use a sideways movement from right to left for a clear stroke. Use the left side of the blade (between 8 and 12 o'clock) to cut.

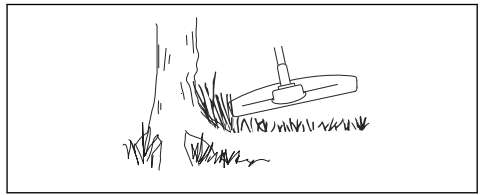


4. Angle the blade to the left when you clear grass.

**Note:** The grass collects easily in a line.

5. Use a sideways movement from left to right for the return stroke.
6. Do the work rhythmically.
7. Move forward and keep feet tightly against the ground.
8. Stop the engine.
9. Remove the product from the clip on the harness.
10. Put the product on the ground.
11. Collect the cut material.

### To clear

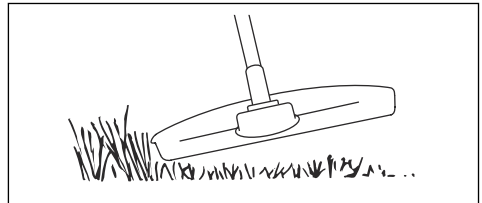


To achieve the best results:

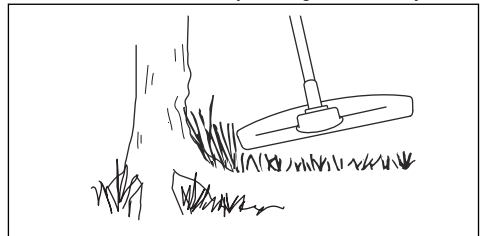
- Hold the trimmer so that the trimmer head is just above the ground.
- Tilt the trimmer head at a slight angle.
- Let the end of the trimmer line strike the ground around objects.

### 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.

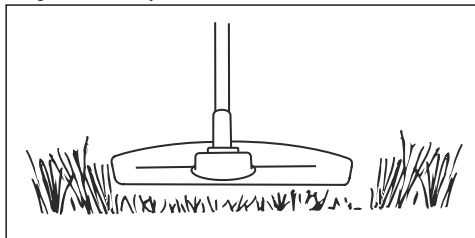


2. Decrease the length of the trimmer line by 10-12 cm / 4-4.75 in.
3. Decrease the engine speed to decrease the risk of damage to plants.
4. Use 80 % throttle when you cut grass near objects.

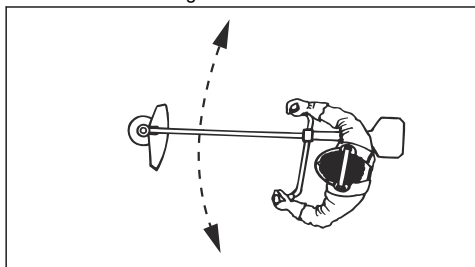


## To cut the grass

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



2. Do not push the trimmer head to the ground. The ground and the product can be damaged.
3. Do not let the trimmer head touch the ground continuously, it can cause damage to the trimmer head.
4. Use full throttle when you move the product from side to side to cut grass.



## 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 its 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



**WARNING:** Read and understand the safety chapter before you clean, repair or do maintenance on the product.

## Introduction



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

## Maintenance schedule

The following is a list of the maintenance steps that must be performed on the product. Most of the items are described in *Maintenance on page 20*

**Note:** The user must only carry out the maintenance and service work described in this operator's manual. More extensive work must be carried out by an authorized service workshop.

Maintenance	Daily	Weekly	Monthly
Clean the external surface.	X		
Make sure that the throttle trigger lock and the throttle works correctly from a safety point of view.	X		
Do a check of the stop switch to make sure that it works correctly.	X		
Make sure that the cutting attachment does not rotate at idle speed.	X		
Clean the air filter. Replace if necessary.	X		

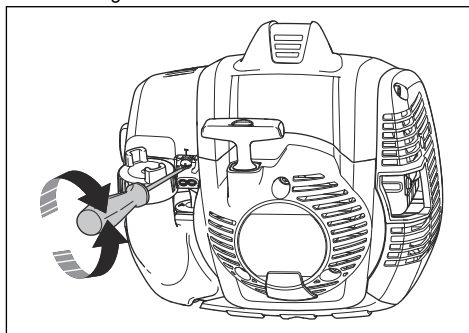
Maintenance	Daily	Weekly	Monthly
Examine the cutting attachment guard for damages and cracks. Replace the guard if it has been exposed to impact or is cracked.	X		
Examine the trimmer head for damages and cracks. Replace if damaged.	X		
Make sure that the screws and nuts are tight.	X		
Examine the engine, 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 outside of the spark plug. Remove it and do a check of the electrode gap. Adjust the gap to the correct distance (see, <i>Technical data on page 26</i> ) or replace the spark plug. Make sure that the spark plug is fitted with a suppressor.		X	
Clean the outside of the carburettor and the space around it.		X	
Do a check of the bevel gear to make sure that it is filled 3/4 with lubricant. Use special grease to fill if necessary.		X	
Clean or replace the spark arrestor mesh on the muffler (only applies to mufflers without a catalytic converter).		X	
Do a check of the fuel filter for contamination and the fuel hose for cracks or other defects. Replace if necessary.			X
Do a check of all cables and connections.			X
Do a check of the clutch, clutch springs and the clutch drum for wear. Replace if necessary by an authorized service workshop.			X
Replace the spark plug. Make sure that the spark plug is fitted with a suppressor.			X
Check and clean the spark arrestor mesh on the muffler (only applies to mufflers without a catalytic converter).			X

## 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 which is identified with "T" mark.

- a) Turn the idle speed screw clockwise until the cutting attachment starts to rotate.



- b) Turn the idle speed screw 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 *Technical data on page 26* for the recommended idle speed.

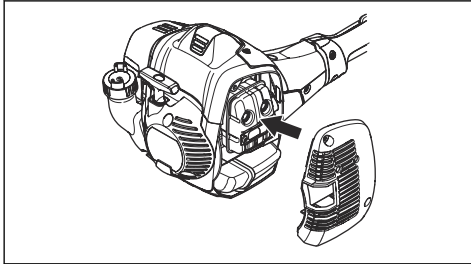
## To do maintenance on the muffler

The muffler decreases the noise level and directs the exhaust gases away from the operator.

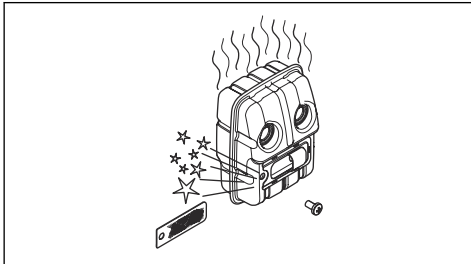


**WARNING:** Mufflers that have catalytic converters get very hot during operation and will stay hot for some time after you stop the product. This also applies at idle speed. If you touch the product it can result in burns to the skin. Think about of the risk of fire.

1. Stop the product and let it cool down.
2. Remove the cover to the muffler.



3. Remove the screw holding the spark arrestor mesh.



4. Clean the spark arrestor mesh if it is blocked or replace it if it is damaged.



**CAUTION:** The spark arrestor mesh must be replaced if it is damaged. Do not

use a product if the spark arrestor mesh on the muffler is missing or defective.



**CAUTION:** If the spark arrestor mesh is frequently blocked it can be a sign that performance of the catalytic converter is decreased. Turn to your servicing dealer to examine the muffler. A blocked spark arrestor mesh will cause overheating and result in damage to the cylinder and piston.

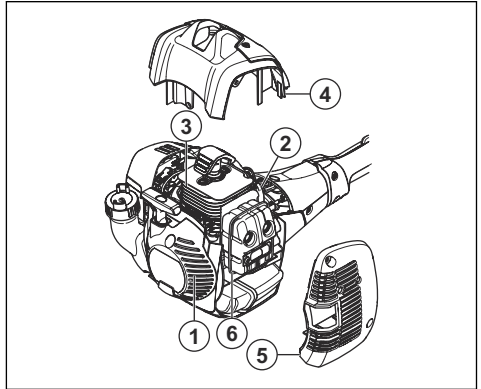
## Cooling system

The product has a cooling system to keep the operation temperature as low as possible.

Clean the components of the cooling system with a brush weekly or more frequently in rougher conditions. A dirty or blocked cooling system makes the product too hot which causes damage to the piston and cylinder.

The cooling system has the following components:

1. Air intake on the starter.
2. Fins on the flywheel.
3. Cooling fins on the cylinder.
4. Cylinder cover.
5. Muffler cover.
6. Muffler plate.



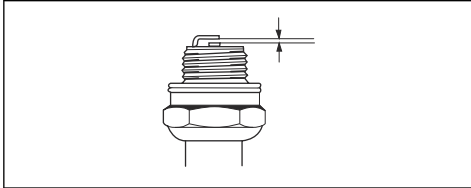
## To examine the spark plug



**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 *Technical data* on page 26.



- Replace the spark plug if it is necessary.

## Air filter

Remove dust and dirt from the air filter to keep it clean and prevent these problems:

- Carburetor malfunctions.
- Problems when you start the product.
- Loss of engine power.
- Increased wear to engine parts.
- Too much fuel consumption.

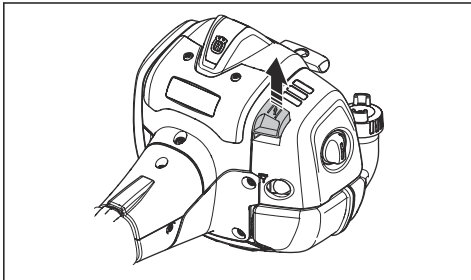
## To clean the air filter



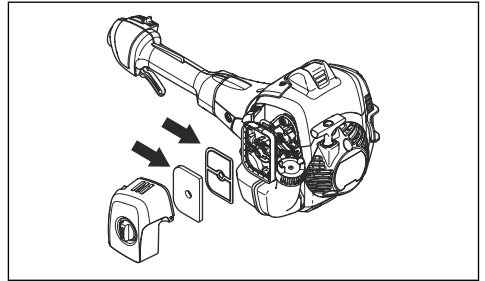
**CAUTION:** A air filter that is damaged, very dirty or soaked with fuel must always be replaced.

If you use an air filter for a long time it cannot be fully cleaned. Replace the air filter with a new one at regular intervals.

1. Move the choke lever up, to close the choke valve.



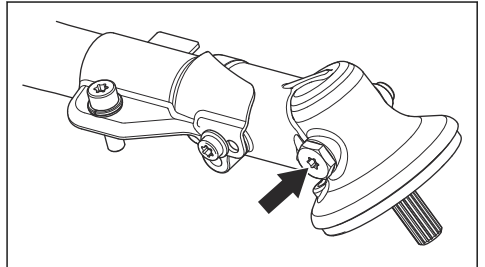
2. Remove the air filter cover and remove the air filter.



3. Clean the air filter with warm soap water.
4. Replace the air filter if it is too dirty to fully clean it. Always replace a damaged air filter.
5. Also clean the inner surface of the filter cover. Use air or a brush.
6. Do a check of the rubber sealing surface. Replace the filter on the rubber seal if it is damaged.
7. Make sure that the filter is dry before you assemble it.

## Bevel gear

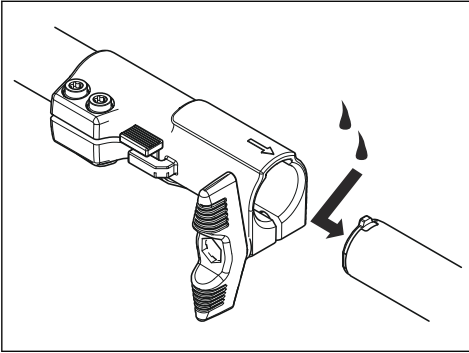
The bevel gear is filled with the right quantity of grease at the factory. But, before you use the product, make sure that the bevel gear is 3/4 full with grease. Use Husqvarna special grease.



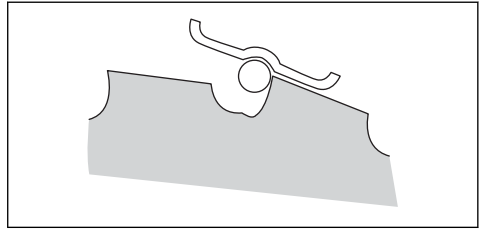
The grease in the bevel gear does not need to be changed unless repairs are carried out.

## Two-piece shaft (525RK)

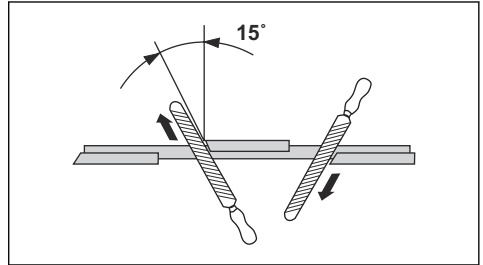
Lubricate the drive shaft end in the lower shaft with grease at an interval of 30 hours. There is a risk that the drive shaft ends (splined coupling) on models with two-piece shafts will seize if they are not lubricated regularly.



- Use a 5.5 mm (7/32 in) round file with a file holder.

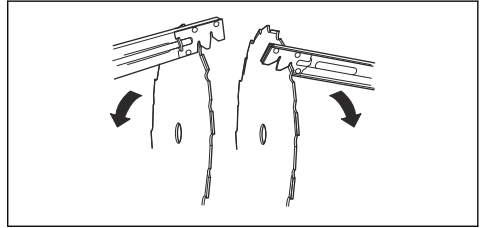


- Hold the file at an angle of 15°.
- Sharpen one tooth of the saw blade to the right and the next tooth to the left, see the illustration.



**Note:** Sharpen the edges of the teeth with a flat file if the blade is heavily worn. Continue to sharpen with a round file.

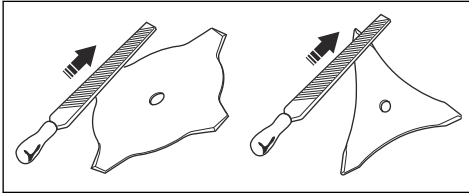
- Sharpen all edges equally to keep the blade balanced.
- Adjust the blade set to 1 mm (0.04 in) with the recommended setting tool. Refer to the instructions that come with the blade.



**WARNING:** Always discard a blade that is damaged. Do not try to make a bent or twisted blade straight and use it again.

## To sharpen grass cutters and grass blades

1. Sharpen grass cutters and grass blades with a single-cut flat file.
2. Sharpen all edges of the grass cutters and blades equally to keep the balance.

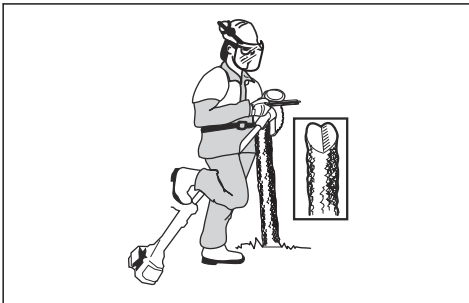


## To sharpen the saw blade



**WARNING:** Stop the engine. Use protective gloves.

- To sharpen the blade correctly, refer to the instructions that come with the blade.
- Make sure that the product and blade has sufficient support when you sharpen it.





# Troubleshooting

## Troubleshooting

<b>Starting failure</b>		
<b>Check</b>	<b>Possible cause</b>	<b>Solution</b>
Stop Switch	Stop position	Set the stop switch to the start position.
Starter pawls	Binding pawls	Adjust or replace the pawls.
		Clean around the pawls.
		Speak to an approved servicing dealer.
Fuel tank	Incorrect fuel type.	Drain it and use correct fuel.
Carburetor	Adjustment of the idle speed.	Adjust the idle speed with the T screw.
Spark (no spark)	Spark plug dirty or wet.	Make sure that the spark plug is dry and clean.
	Spark plug clearance incorrect.	Clean the spark plug. Check that the electrode gap is correct. Make sure that the spark plug is installed with a suppressor. Refer to technical data for correct electrode gap.
Spark plug	Spark plug loose.	Tighten the spark plug.
Fuel filter	Clogged fuel filter.	Replace the fuel filter.

<b>Engine starts but does not stay running</b>		
<b>Check</b>	<b>Possible cause</b>	<b>Solution</b>
Fuel tank	Incorrect fuel type.	Drain it and use correct fuel.
Carburetor	Engine will not idle correctly.	Speak to your servicing dealer.
Air filter	Clogged air filter.	Clean the air filter.
Fuel filter	Clogged fuel filter.	Replace the fuel filter.

## Transportation and storage

- Keep equipment safe during transportation to prevent damage and accidents.
- Keep the product and equipment in a dry and frost-proof area.

- Clean the product.
- Replace or repair damaged components.
- Use the correct protective cover on the product that does not keep moisture.
- Keep the product tightly attached during transport.
- When you store the product for long periods the fuel tank must be emptied

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## Technical data

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### Technical data

	525RX	525RXT	525RK
<b>Engine</b>			
Cylinder displacement, cm <sup>3</sup>	25.4	25.4	25.4
Idle speed, rpm	3000	3000	3000
Speed of output shaft, rpm	6500/7500	6500/7500	6500/7500
Catalytic converter muffler	Yes	Yes	Yes
Maximum engine power acc. to ISO 8893, kW/hp @ rpm	1.0/1.34 @ 8500	1.0/1.34 @ 8500	1.0/1.34 @ 8500
<b>Ignition system</b>			
Spark plug	NGK BPMR8Y	NGK BPMR8Y	NGK BPMR8Y
Electrode gap, mm	0.65	0.65	0.65
<b>Fuel and lubrication system</b>			
Fuel tank capacity, l/cm <sup>3</sup>	0.51/510	0.51/510	0.51/510
<b>Weight</b>			
Weight, kg	5.1	5.4	5.6
<b>Noise emissions <sup>1</sup></b>			
Sound power level, measured, dB (A)	104	104	104
Sound power level, guaranteed LWA, dB (A)	106	106	106
<b>Sound levels</b>			
Equivalent sound pressure level at the operator's ear, measured according to EN ISO 11806 and ISO 22868 <sup>2</sup>			
Equipped with trimmer head (original), dB (A)	94	93	94
Equipped with grass blade (original), dB (A)	94	92	93
<b>Vibration levels</b>			
Equivalent vibration levels (a <sub>hv,eq</sub> ) at handles, measured according to EN ISO 11806 and ISO 22867 <sup>3</sup>			

<sup>1</sup> Noise emissions in the environment measured as sound power (L<sub>WA</sub>) 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.

<sup>2</sup> Reported data for noise pressure level has a typical statistical dispersion (standard deviation) of 1 dB (A).

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

	525RX	525RXT	525RK
Equipped with trimmer head (original), left/right, m/s <sup>2</sup>	2.1/2.3	1.8/1.9	2.1/1.9
Equipped with grass blade (original), left/right, m/s <sup>2</sup>	1.9/2.2	1.9/2.0	2.3/2.5

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## Accessories

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### Accessories

Approved accessories	Accessory type	Cutting attachment guard, art. no.
Grass blade/grass cutter	Grass 255-4 1" (Ø 255 4 teeth)	503 93 42-02 / 588 11 79-01
	Grass blade 255-3 (Ø 255 3 teeth)	503 93 42-02 / 588 11 79-01
Saw blade	Scarlet 200-22 1" (Ø 200 22 teeth)	537 29 95-01
Plastic blades	Tricut Ø 300 mm (Separate blades have part number 531 07 77-15)	503 93 42-02 / 588 11 79-01
Trimmer head	T25 (Ø 2.0 - 2.7 mm cord)	503 93 42-02 / 503 97 71-01
		588 43 70-01 / 588 11 79-01
	T35, T35x (Ø 2.4 - 3.0 mm cord)	503 93 42-02 / 503 97 71-01
		588 43 70-01 / 588 11 79-01
Superauto II	503 93 42-02 / 503 97 71-01	
	588 43 70-01 / 588 11 79-01	
Alloy (up to Ø 2.4 mm cord)	503 93 42-02 / 503 97 71-01	
	588 43 70-01 / 588 11 79-01	

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# Declaration of Conformity

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## EU Declaration of conformity

We, **Husqvarna AB**, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, declare on our sole responsibility that the product:

<b>Description</b>	Brush cutters
<b>Brand</b>	Husqvarna
<b>Type / Model</b>	525RX, 525RXT, 525RK
<b>Identification</b>	Serial numbers dating from 2022 and onwards

complies fully with the following EU directives and regulations:

<b>Regulation</b>	<b>Description</b>
2006/42/EC	"relating to machinery"
2014/30/EU	"relating to electromagnetic compatibility"
2000/14/EC	"relating to the noise emissions in the environment"
2011/65/EU	"on the restriction of the use of certain hazardous substances in electrical and electronic equipment "

and that the following standards and/or technical specifications are applied: EN ISO 12100:2010, EN ISO 11806-1:2011, ISO 14982:1998, CISPR 12:2009

RISE SMP Svensk Maskinprovning AB, Box 7035, SE-750 07 Uppsala, Sweden has performed voluntary type examination on behalf of Husqvarna AB.

Certificate Number: SEC/13/2383

RISE SMP Svensk Maskinprovning AB, Box 7035, SE-750 07 Uppsala, Sweden, has also verified agreement with appendix V of the council's directive 2000/14/EG.

For information relating to noise emissions, refer to *Technical data on page 26*.

Huskvarna, 2022-05-31

Stefan Holmberg, R&D Director, Technology Management, Husqvarna AB

Responsible for technical documentation



Two handwritten signatures in black ink. The first signature is on the left and the second is on the right, both appearing to be the name of the signatory.

## UK Declaration of conformity

We, **Husqvarna AB**, SE-561 82 Huskvarna, Sweden, tel: +46-36-146500, declare on our sole responsibility that the product:

<b>Description</b>	Brush cutters
<b>Brand</b>	Husqvarna
<b>Type / Model</b>	525RX, 525RXT, 525RK
<b>Identification</b>	Serial numbers dating from 2022 and onwards

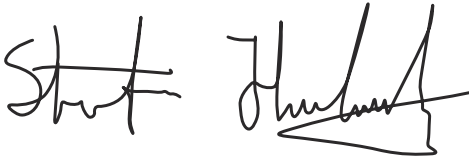
complies fully with the following UK regulations:

<b>Description</b>
The Supply of Machinery (Safety) Regulations 2008
Electromagnetic Compatibility Regulations 2016
The Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, Schedule 8
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

and that the following standards and/or technical specifications are applied: EN ISO 12100:2010, EN ISO 11806-1:2011, ISO 14982:1998, CISPR 12:2009

For information relating to noise emissions, refer to *Technical data on page 26*.

Huskvarna, 2022-05-31



Stefan Holmberg, R&D Director, Technology Management, Husqvarna AB

Responsible for technical documentation

**UK  
CA**

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DL5 6UP







[www.husqvarna.com](http://www.husqvarna.com)

Original instructions

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2022-06-07