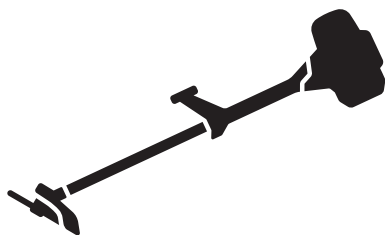




Husqvarna[®]



135R, 336FR

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Introduction

Product description

This product is a brushcutter 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

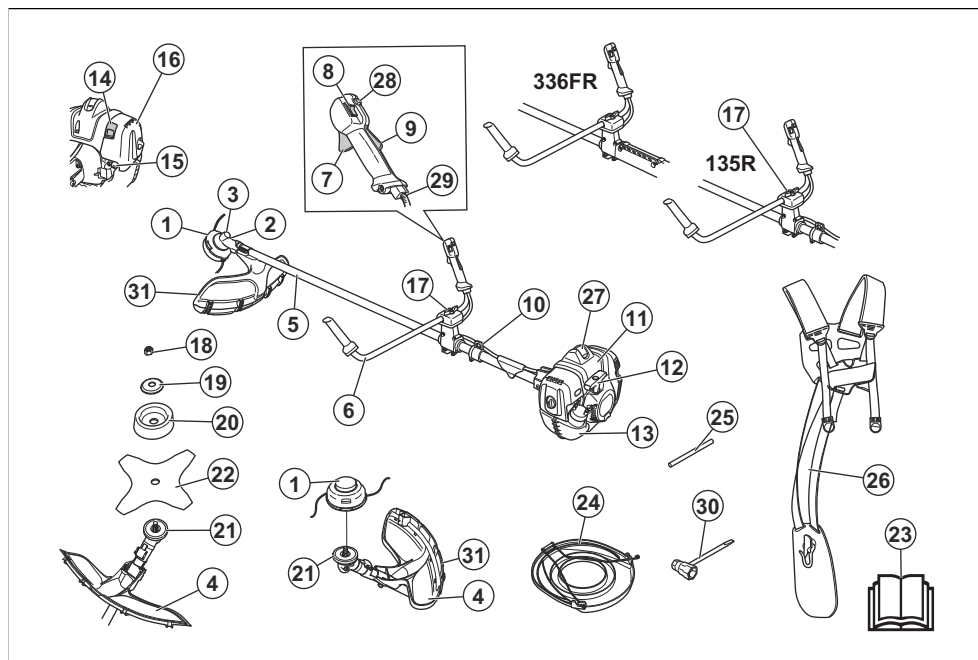
Use the product with a saw blade, a grass blade or a trimmer head to cut different types of vegetation. Do

not use the product for other tasks than grass trimming, grass clearing and forestry clearing. Use a saw blade to cut fibrous types of wood. Use a grass blade or trimmer head to cut grass.

Note: National or local regulations can regulate the use. Comply to given regulations.

Only use the product with accessories that are approved by the manufacturer. Refer to *Accessories on page 25*.

Product overview



- | | |
|----------------------------------|---------------------|
| 1. Trimmer head | 5. Shaft |
| 2. Grease filler cap, bevel gear | 6. Handlebar |
| 3. Bevel gear | 7. Throttle trigger |
| 4. Cutting attachment guard | 8. Stop switch |

9. Throttle trigger lockout
10. Suspension ring
11. Cylinder cover
12. Starter rope handle
13. Fuel tank
14. Choke control
15. Primer bulb
16. Air filter cover
17. Handle adjustment
18. Locknut
19. Support flange
20. Support cup
21. Drive disc
22. Blade
23. Operator's manual
24. Transport guard
25. Locking pin
26. Harness
27. Spark plug cap and spark plug
28. Start throttle button
29. Throttle wire adjustment
30. Combination wrench
31. Guard extension

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 use.



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



Use approved protective gloves.



Use heavy-duty slip-resistant boots.



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



Maximum speed of the output shaft.



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 m / 50 ft. distance to persons and animals during operation of the product.



Only use a flexible cutting wire. Do not use metal cutting elements. Apply this for grass guard accessory.



The arrows show the limit for the handle position.



Air purge bulb.



Choke.

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.

EPA III

EMISSION CONTROL INFORMATION

Husqvarna


HUSQVARNA AB HUSKVARNA SWEDEN

THIS ENGINE MEETS U.S. EPA AND CALIFORNIA
EXH/EVP REGS FOR [] SORE. REFER TO OPERATOR'S
MANUAL FOR MAINTENANCE SPECIFICATIONS AND
ADJUSTMENTS. EMISSIONS COMPLIANCE PERIOD : []

The Emissions Compliance Period referred to on the Emission Compliance label indicates the number of

operating hours for which the engine has been shown to meet Federal and California emissions requirements.

California Proposition 65

 **WARNING!**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Product liability

As referred to in the product liability laws, we are not liable for damages that our product causes if:

- the product is incorrectly repaired.
- the product is repaired with parts that are not from the manufacturer or not approved by the manufacturer.
- the product has an accessory that is not from the manufacturer or not approved by the manufacturer.
- the product is not repaired at an approved service center or by an approved authority.

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 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



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

- Never use a harness with a defective quick release. When using a brush cutter it must always be hooked securely to the harness. Otherwise you will be unable to control the brush cutter safely and this can result in injury to yourself or others.
- Always hold the product with both hands. Hold the product on the right side of your body. Keep the cutting attachment below waist level. Connect the product to the suspension ring on the harness. Keep all parts of your body away from the hot surfaces. Keep all parts of your body away from the rotating cutting attachment.
- Learn and understand the difference between forestry clearing, grass clearing and grass trimming before you use the product.
- Never use a product that has been modified in any way from its original specification.
- 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 19*.
- Use personal protective equipment. Refer to *Personal protective equipment on page 6*.
- Do not use the product in bad weather, such as dense fog, heavy rain, strong wind, intense cold, etc. Working in bad weather is tiring and often brings added risks, such as icy ground, unpredictable felling direction, etc.
- Take great care when cutting a tree that is in tension. A tree that is in tension may spring back to its normal position before or after being cut. If you position yourself incorrectly or make the cut in the wrong place the tree may hit you or the product and cause you to lose control. Both situations can cause serious personal injury.
- The only accessories you can operate with this engine unit are the cutting attachments we recommend. Refer to *Technical data on page 25*.
- Watch out for thrown objects. Always wear approved eye protection. Never lean over the cutting attachment guard. Stones, rubbish, etc. can be thrown up into the eyes causing blindness or serious injury.
- Never use the product if you are tired, if you are ill, if you have consumed alcohol, or if you are taking other drugs or medication that can affect your vision, judgement or coordination.
- Long-term exposure to noise can result in permanent hearing loss. Always use approved hearing protection.
- Listen for warning signals and loud voices when you use hearing protection. Always remove your hearing protection when the engine stops.
- Carry out an overall inspection of the product before use. Refer to *Before you operate the product on page 13*.
- Never use the product if it is changed or defective.
- Make sure that the spark plug cap and ignition lead are not damaged to prevent the risk of electrical shock.
- Look around the work area to make sure that no persons, animals or objects have a negative effect on the safety of the operation of the product.
- Look around the work area to make sure that no persons or animals touch the cutting attachment or are hit by objects that are ejected from the cutting attachment.
- Examine the work area. Remove all loose objects, such as stones, broken glass, nails, steel wire and string, that can eject or wind around the cutting attachment.
- Do not use the product in a situation or location where you can not get aid if an accident occurs.
- Do not use the product without a guard.
- Make sure that persons or animals keep a distance of a minimum of 15 m/50 ft during work. Always look behind you before you turn around with the product. Stop the product immediately if a person or animal enters the 15 m/50 ft safety zone. If more than one operator does work in the same area, keep a safety distance of a minimum of 2 times the tree height and a minimum of 15 m/50 ft.
- Make sure that you can move safely and have a safe stance. Examine the area around you for obstacles such as roots, rocks, branch and ditches. Be careful during work on slopes.
- Do not overreach. Keep a stable position of the feet and a good balance at all times.
- Before you start the product, put it on a flat surface, at a minimum of 3 m from the fuel source and from where you fill fuel. Make sure that there are no objects near or touching the cutting attachment.
- If the cutting attachment rotates at idle speed, let a service agent adjust it. Do not use the product until it is adjusted or repaired.
- Look out for thrown objects. Always use approved eye protection and keep away from the cutting attachment guard. Stones and other small objects can eject into your eyes and cause blindness or other injuries.
- Do not put the product down with the engine on unless you have it in clear view.
- Do not remove the cut material, or let other persons remove cut material, while the engine is on or the cutting equipment rotates, 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.

- Always stop the engine and make sure that the cutting equipment does not rotate before you remove material that is wound around the blade shaft or caught between the guard and the cutting attachment. The cutting equipment 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.
- Be careful when you remove material from around the cutting equipment. The bevel gear gets hot during operation and can cause burn injuries.
- The exhaust fumes from the engine are hot and can contain sparks. Risk of fire. Be careful around dry and flammable material.
- Stop the engine before you move to a new work area. Always attach the transport guard before you move the equipment.
- Never use the product indoors or in spaces lacking proper ventilation. Exhaust fumes contain carbon monoxide, an odourless, poisonous and highly dangerous gas can result in death due to asphyxiation or carbon monoxide poisoning.
- Never allow children to use or be in the vicinity of the product. As the product is equipped with a spring-loaded 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.
- Overexposure to vibration can lead to circulatory damage or nerve damage in persons who have poor circulation. Speak to your physician if you experience symptoms of overexposure to vibration. Such symptoms include numbness, loss of feeling, tingling, pricking, pain, loss of strength, changes in skin color or condition. These symptoms usually show in the fingers, hands or wrists. The risk increases at low temperatures.
- Check that the cutting equipment is correctly fitted and adjusted.
- 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.
- Do not use the product unless you are able to call for help in the event of an accident.
- Using an incorrect cutting attachment or an incorrectly sharpened blade increases the risk of blade thrust.
- Products fitted with saw blades or grass blades can be thrown violently to the side when the blade comes into contact with a fixed object. This is called blade thrust. A blade thrust can be violent enough to cause the product and/or operator to be propelled in any direction, and possibly lose control of the product. Blade thrust can occur without warning if the product

snags, stalls or binds. Blade thrust is more likely to occur in areas where it is difficult to see the material being cut.

- Avoid cutting with the area of the blade between the 12 o'clock and 3 o'clock positions. Because of the speed of rotation of the blade, blade thrust can occur if you attempt to cut thick stems with this area of the blade.
- Mufflers fitted with catalytic converters get very hot during use and remain so for some time after stopping. This also applies at idle speed. Contact can result in burns to the skin. Remember the risk of fire.
- Only use cutting attachments with the guards we recommend. Refer to *Accessories on page 25*.

Personal protective equipment



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

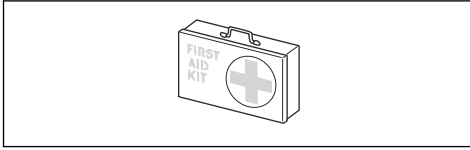
- Always use approved personal protective equipment when you use the product. Personal protective equipment cannot fully prevent injury but it decreases the degree of injury if an accident does occur. Let your dealer help you select the correct equipment.
- Use a helmet if the trees in the work area have a height of more than 2 m/6.5 ft.
- Use approved hearing protection.
- Always use approved protective goggles that comply with ANSI Z87.1 standard in the USA or EN 166 in EU countries. Use visor for face protection. Visor is not enough to protect the eyes.



- Use gloves when it is necessary, for example when you attach, examine or clean the cutting equipment.
- Use protective boots with steel toe-cap 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 use jewelry, short pants or sandals. Do not go with bare feet. Put your hair up safely above shoulder level.



- Keep first aid equipment near.



Safety devices on the product

For information about where to find the safety devices, see *Introduction on page 2*.

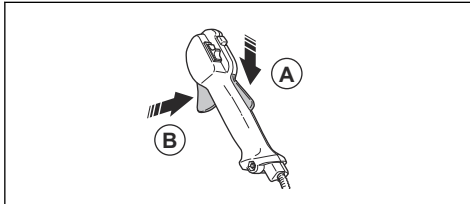


WARNING: Read the warning instructions that follow before you use the product.

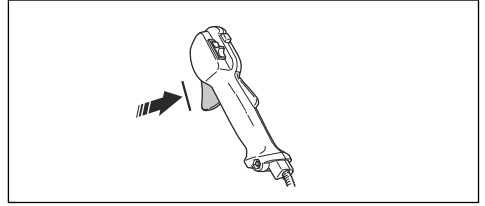
- Do not use a product with defective safety devices. Do a check of and do maintenance on the safety devices regularly. If the safety devices are defective, speak to your Husqvarna service agent.
- Do not make changes to safety devices. Do not use the product if protective covers, safety switches or other protective devices are not attached or are defective.
- For all service and repair work on the product, especially for the safety devices, special training is necessary. If the safety devices fail the checks given in this operator's manual, you must let a service agent help you. We guarantee that professional repairs and service is available. If your dealer is not a service agent, speak to them for information about the nearest service agent.
- Do not use a cutting attachment without an approved and correctly attached cutting attachment guard. See *Accessories on page 25*.

To do a check of the throttle trigger lockout

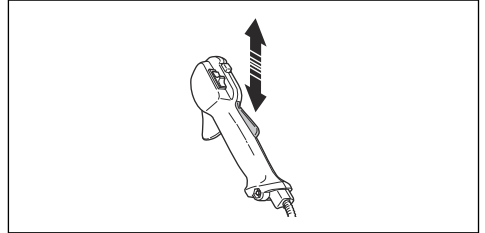
1. Push the throttle trigger lockout (A). Make sure that the throttle trigger (B) is released.



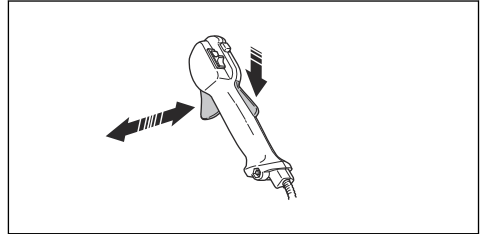
2. Release the throttle trigger lockout (A). Make sure that the throttle trigger (B) is locked at the idle position.



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



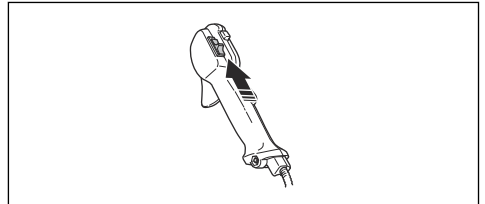
4. Start the product and apply full throttle. Refer to *To start the engine on page 16*.



5. Release the throttle trigger (B) and make sure that the cutting attachment stops.

To do a check of the stop switch

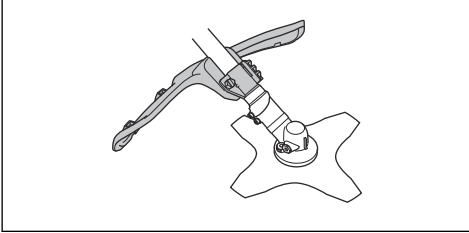
1. Start the engine.
2. Move the stop switch to the stop position and make sure that the engine stops.



To do a check of the cutting attachment guard

The cutting attachment guard prevents injuries and stops objects that eject in the direction of the operator.

1. Stop the engine.
2. Do a visual check for damages, for example cracks.



3. Replace the cutting attachment guard if it is damaged.

To do a check of the vibration damping system



WARNING: Make sure that the engine is off and that the stop switch is in STOP position.

1. Make sure that there are no cracks or deformation on the vibration damping units. Replace the vibration damping units if they are damaged.
2. Make sure that the vibration damping units are correctly attached to the engine unit and handle unit.

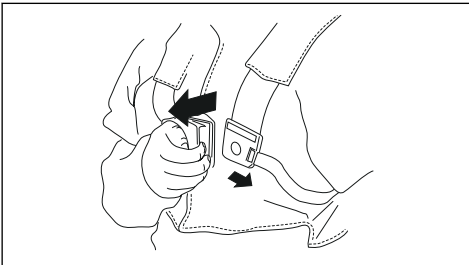
To do a check of the quick-release mechanism



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



WARNING: Do not use a product with a defective muffler.



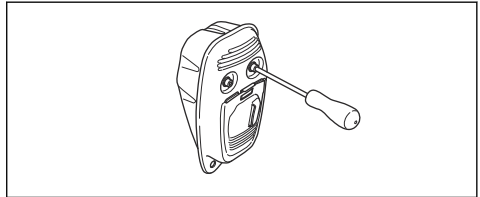
WARNING: The muffler becomes very hot during and after operation and also at idle speed. Use protective gloves to prevent burn injuries.

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

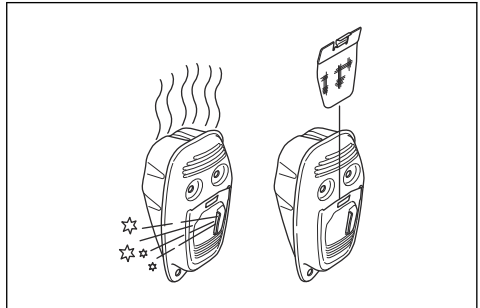
1. Stop the engine.
2. Do a visual check for damage and deformation.

Note: The inner surfaces of the muffler contain chemicals that can cause cancer. Be careful not to touch these elements if the muffler is damaged.

3. Make sure that the muffler is correctly attached to the product.



4. If the muffler on your product has a spark arrester screen, do a visual check.



- a) Replace the spark arrester screen if it is damaged.
- b) Clean the spark arrester screen if it is blocked. Refer to for more information.



CAUTION: If the spark arrester screen is blocked the product becomes too hot and this causes damage to the cylinder and piston.

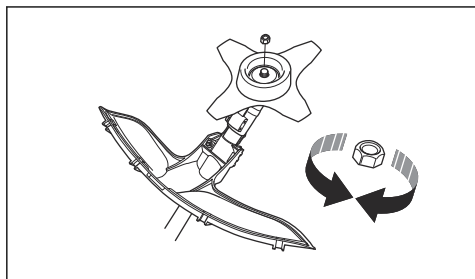
To install and remove the locknut



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 hand thread.

- To install the locknut, turn the locknut in the opposite direction from the direction of rotation.



- To remove the locknut, remove the locknut in the direction of rotation.
- To loosen or tighten the locknut, use a socket wrench with a long shaft.



WARNING: When you loosen and tighten the locknut there is a risk of injury from the cutting attachment. Be careful and do not touch the cutting attachment.

Note: Make sure that you can not turn the locknut by hand. Replace the locknut after it has been put on approximately 10 times. The locknut must be replaced after it has been put on approximately 10 times.

Cutting attachment



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

- Do the regular maintenance. Let an approved service center regularly examine the cutting attachment to do adjustments or repairs.
 - The performance of the cutting attachment increases.
 - The life of the cutting attachment increases.
 - The risk of accidents decreases.
- Only use an approved cutting attachment guard. Refer to *Accessories on page 25*.
- Do not use a damaged cutting attachment.

Grass trimmer head

- Make sure that you wind the grass trimmer line tightly and equally around the drum to decrease the vibration.
- Use only the approved grass trimmer heads and grass trimmer lines. Refer to *To trim the grass on page 18*.

- Use a correct length of the grass trimmer line. A long grass trimmer line uses more engine power than a short grass trimmer line.
- Make sure that the cutter on the cutting attachment guard is not damaged.
- Soak the grass trimmer line in water for 2 days before you attach the grass trimmer line to the product. This increases the life of the grass trimmer line.
- Refer to the instructions for the cutting attachment to use the correct procedure to load the cord and the correct cord diameter.

Grass blade

- Use correctly sharpened blades. An incorrectly sharpened or damaged blade increases the risk of injury. Refer to the instructions on the blade packaging.
- Use correctly set blades. An incorrectly set blade increases the risk of injury and damage.

Fuel safety



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

- Do not mix the fuel indoor or near a heat source.
- Do not start the product if there is fuel or engine oil on the product. Remove the unwanted fuel/oil and let the product dry. Remove unwanted fuel from the product.
- If you spill fuel on your clothing, change clothing immediately.
- Do not get fuel on your body, it can cause injury. If you get fuel on your body, use a soap and water to remove the fuel.
- Do not start the engine if you spill oil or fuel on the product or on your body.
- Do not start the product if the engine has a leak. Examine the engine for leaks regularly.
- Be careful with fuel. Fuel is flammable and the fumes are explosive and can cause injuries or death.
- Do not breathe in the fuel fumes, it can cause injury. Make sure that there is sufficient airflow.
- Do not smoke near the fuel or the engine.
- Do not put warm objects near the fuel or the engine.
- Do not add the fuel when the engine is on.
- Make sure that the engine is cool before you refuel.
- Before you refuel, open the fuel tank cap slowly and release the pressure carefully.
- Make sure there are sufficient airflow when refueling and mixing fuel (petrol and two-stroke oil) or draining the fuel tank.
- Fuel and fuel vapor are highly flammable and can cause serious injury when inhaled or allowed to come into contact with the skin. For this reason,

observe caution when handling fuel and make sure there is sufficient airflow.

- Tighten the fuel tank cap carefully or a fire can occur.
- Move the product at a minimum of 3 m (10 ft) from the position where you filled the tank before a start.
- Do not put too much fuel in the fuel tank.
- Make sure that a leak cannot occur when you move the product or fuel container.
- Do not put the product or a fuel container where there is an open flame, spark or pilot light. Make sure that the storage area does not contain an open flame.
- Only use approved containers when you move the fuel or put the fuel into storage.
- Empty the fuel tank before long-term storage. Obey the local law on where to dispose fuel.
- Clean the product before long-term storage.
- Remove the spark plug cap before you put the product into storage to make sure that the engine does not start accidentally.

- Stop the engine, make sure that the cutting attachment stops and let the product cool down before you do the maintenance.
- Disconnect the spark plug cap before you do the maintenance.
- The exhaust fumes from the engine contain carbon monoxide, an odorless, poisonous and very dangerous gas that can cause death. Do not run the product indoors or in closed spaces.
- The exhaust fumes from the engine are hot and can contain sparks. Do not run the product indoors or near flammable material.
- Accessories and changes to the product that are not approved by the manufacturer, can cause serious injury or death. Do not change the product. Always use original accessories.
- If the maintenance is not done correctly and regularly, there is an increased risk of injury and damage to the product.
- Only do the maintenance as this operator's manual recommends. Let an approved Husqvarna service agent do all other servicing.
- Let an approved Husqvarna service agent do servicing on the product regularly.
- Replace damaged, worn or broken parts.

Safety instructions for maintenance



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

Assembly

Introduction



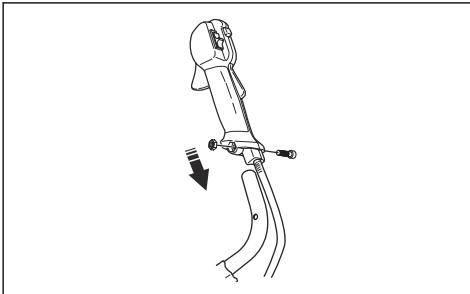
WARNING: Before you assemble the product, you must read and understand the safety chapter.



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

To assemble the throttle handle

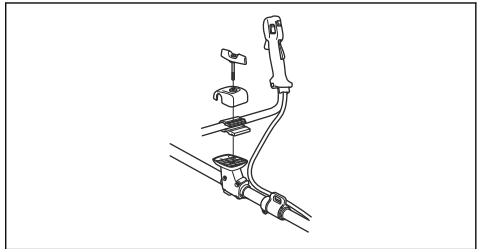
1. Remove the screw behind the throttle handle.



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. Remove the knob and attach the handlebar as given in the illustration.



2. Tighten the knob lightly.
3. Put on the harness and hang the product from the suspension point.

- Adjust the handle to put the product in a good work position.



- Tighten the knob fully.

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 25.



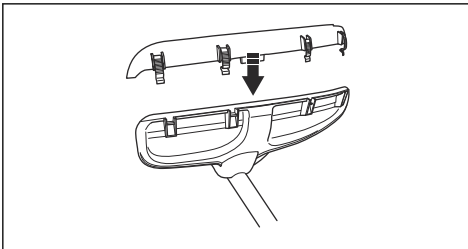
WARNING: An incorrectly attached cutting attachment can result in injury or death.

To attach the guard extension



CAUTION: Use the guard extension when you use a trimmer head/plastic blade. Do not use the guard extension when you use a grass blade.

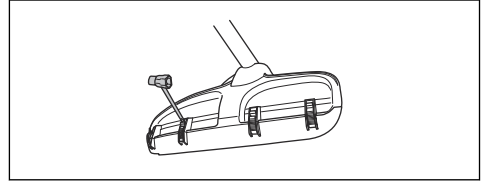
- Put the guard extension in the groove of the cutting attachment guard.



- Put the guard extension into position on the cutting attachment guard with the 4 locking hooks.

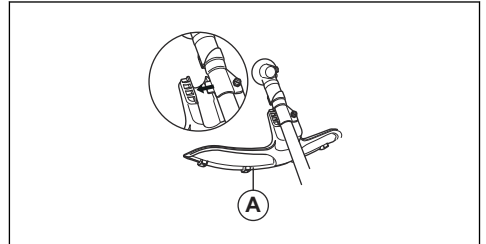
To remove the guard extension

- Release the locking hooks with the spark plug wrench.

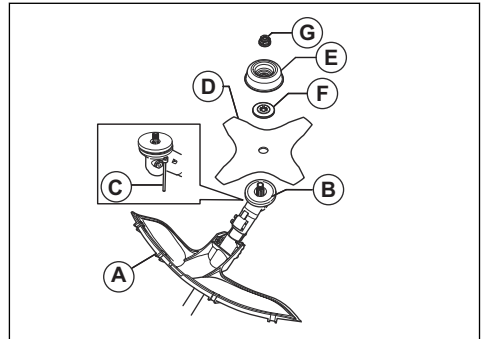


To attach the grass blade and the grass blade guard/combination guard

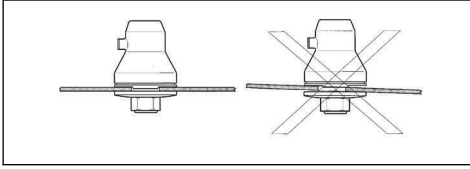
- Put the blade guard/combination guard (A) onto the shaft and tighten the bolt to attach it.



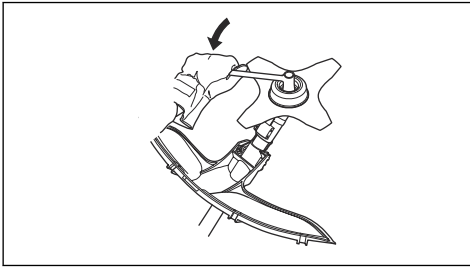
- Make sure that the guard extension is removed.
- Turn the output shaft to align one of the holes in the drive disc (B) with the related hole in the gear housing.
- Put the locking pin (C) in the hole to lock the shaft.
- Put the grass blade (D), the support flange (F) and the support cup (E) on the output shaft.



6. Make sure that the drive disc and support flange engages correctly in the centre hole of the grass blade.



7. Attach the nut (G).
8. Tighten the nut with the socket wrench. Hold the shaft of the socket wrench near the blade guard. Tighten in the opposite direction to how the cutting attachment rotates. Tighten it to a torque of 35-50 Nm.

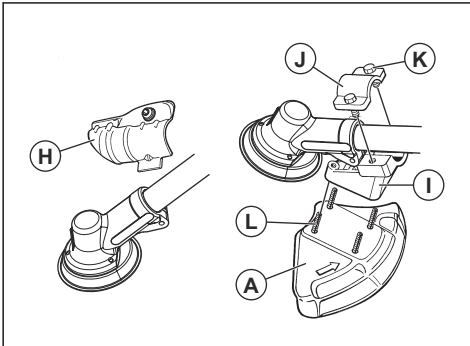


To install the blade guard



CAUTION: Only use the approved guard for the blades. Refer to *Accessories* on page 25.

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).

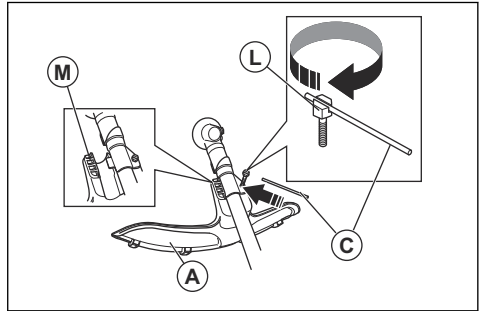


To assemble the guard and trimmer head/ plastic blades

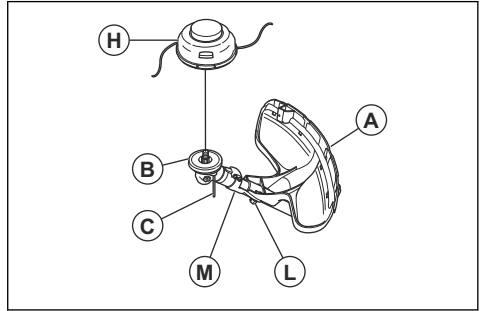


CAUTION: Make sure that the guard extension is assembled.

1. Install the trimmer guard/cutting attachment guard (A) intended for operation with the trimmer head/ plastic blades.
2. Hang the trimmer guard/cutting attachment guard (A) on the two hooks on the plate holder (M).
3. Bend the guard around the shaft and tighten it with the bolt (L) on the opposite side of the shaft. Use the locking pin (C).
4. Put the locking pin in the groove on the screw head and tighten.

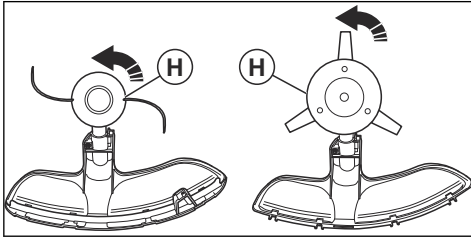


5. Install the drive disc (B) on the output shaft.



6. Turn the output shaft until 1 of the holes in the drive disc aligns with the related hole in the gear housing.
7. Put the locking pin (C) in the hole to lock the shaft.

8. Install the trimmer head/plastic blades (H) counterclockwise.

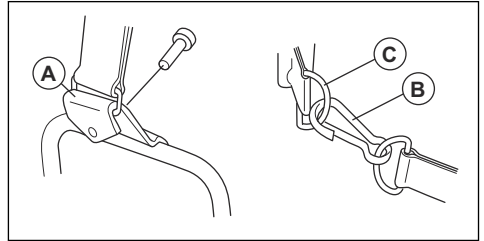


9. To disassemble the trimmer head/plastic blades, follow the instructions in the opposite sequence.

To assemble the shoulder harness

1. Put the ring of the shoulder harness strap through the hook (A) and attach it with the bolt.

2. Attach the hook (B) of the shoulder strap to the ring (C) on the frame.



To adjust the shoulder harness

1. Stop the engine.
2. Put on the harness.
3. Adjust the shoulder strap to make the product weigh equally on your shoulders.

Operation

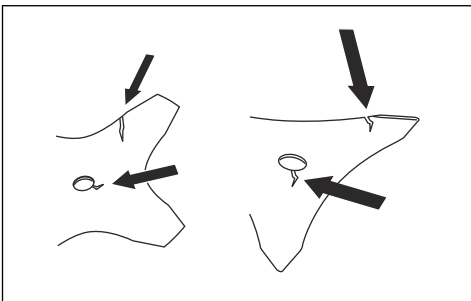
Introduction



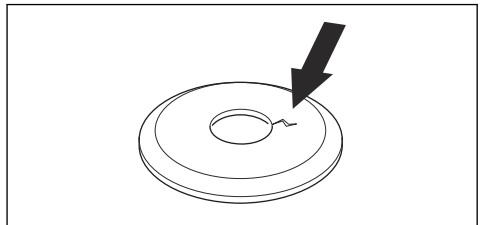
WARNING: Before you operate the product, you must read and understand the safety chapter.

Before you operate the product

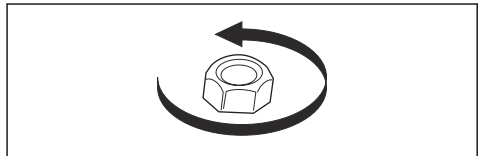
- Examine the work area to make sure that you know the type of terrain, the slope of the ground and if there are obstacles such as stones, branches and ditches.
- Do an overhaul inspection of the product.
- Do the safety inspections, maintenance and servicing that are given in this manual.
- Make sure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



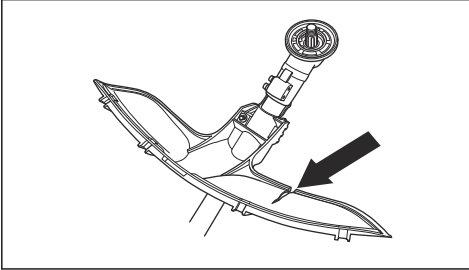
- Examine the support flange for cracks. Replace the support flange if it is damaged.



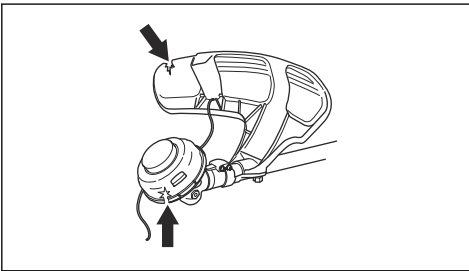
- Make sure that the locknut can not be removed by hand. If you can remove it by hand, it does not lock the cutting attachment sufficiently and you must replace it.



- Examine the blade guard for damages or cracks. Replace the blade guard if it has been hit or if it has cracks.



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



Fuel

This product has a two-stroke engine.



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

Premixed fuel

- 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.

Two-stroke oil

- 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.



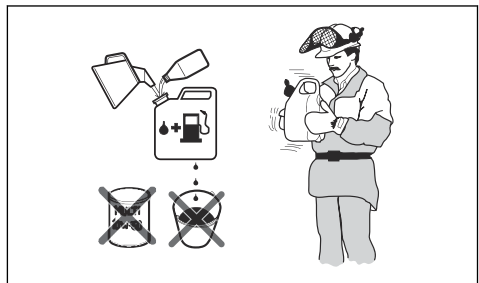
CAUTION: Do not use two-stroke oil for water-cooled outboard engines, also referred to as outboard oil. Do not use oil for four-stroke engines.

To mix gasoline and two-stroke oil

Gasoline, liter	Two-stroke oil, liter
	2% (50:1)
5	0.10
10	0.20
15	0.30
20	0.40
US gallon	US fl. oz.
1	2 ½
2 1/2	6 ½
5	12 ¾



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.



- 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.



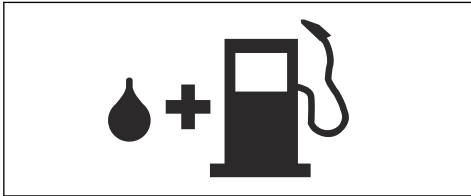
CAUTION: Do not mix fuel for more than 1 month at a time.

To fill the fuel tank



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. Shake the container and make sure that the fuel is fully mixed.
4. Remove the fuel tank cap slowly to release the pressure.
5. 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.

6. Tighten the fuel tank cap carefully.
7. Clean fuel spillage on and around the product.
8. 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 *Introduction on page 2*.

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.

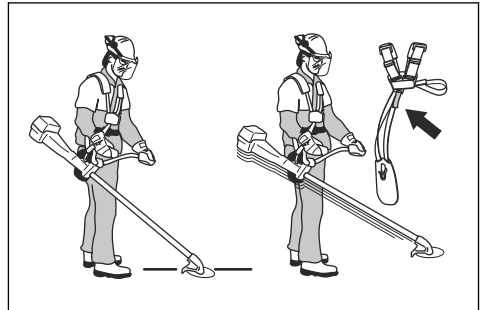
4. Adjust the side straps to make the product weigh equally on your shoulders.



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.

To prepare for forestry clearing

1. Apply support to the product with the harness during forestry clearing.
2. Hold the product as shown in the illustration.



3. Use the strap on the harness to adjust the height of the support hook.

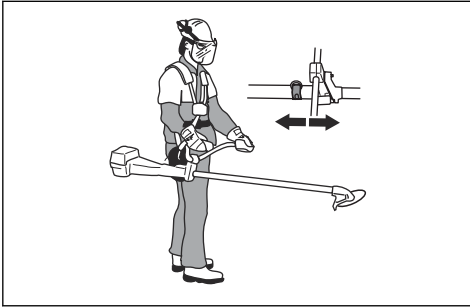
To prepare for grass clearing

1. Apply support to the product with the harness during grass clearing.
2. Make sure that the cutting equipment is parallel to the ground.

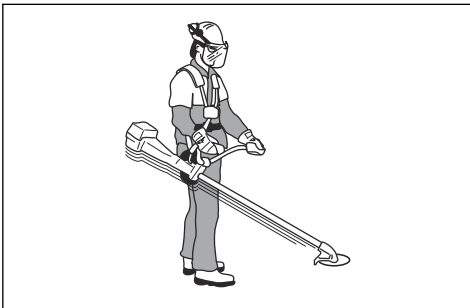
Correct balance of the product

For forestry clearing, the product is correctly balanced when it freely hangs horizontally from the suspension

point. With correct balance, the risk of hitting stones if you release the handlebar is decreased.



For grass clearing, the product is correctly balanced when the blade is at cutting height near the ground.

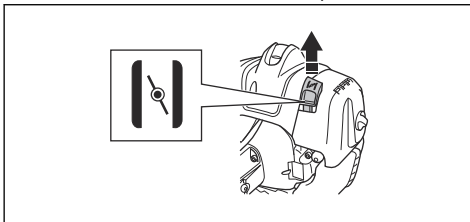


To start the engine

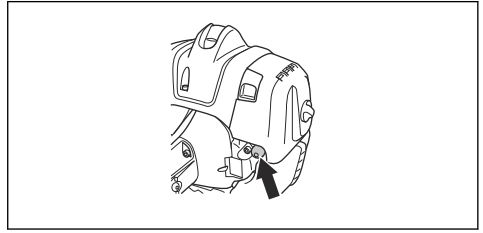


WARNING: Keep a minimum distance of 15 m/50 ft from persons or animals when you start the product. There is a risk that the cutting attachment starts to move.

1. Set the stop switch in the start position.
2. Set the choke control in the choke position.

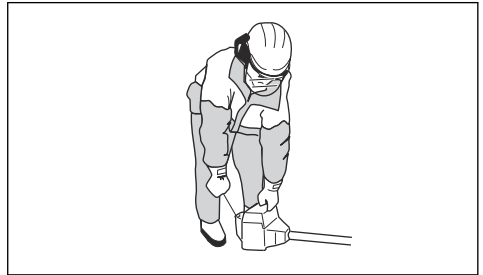


3. Push the air purge bulb until the bulb starts to fill with fuel.



Note: It is not necessary to fill the air purge bulb fully.

4. Hold the body of the product on the ground with your left hand. Do not put your feet on the product.



5. Pull the starter rope handle slowly until you feel some resistance, then pull the starter rope handle with force.



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

6. Continue to pull the starter rope handle until the engine starts.

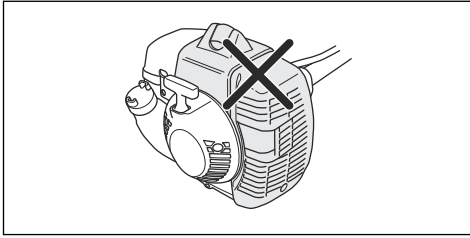


CAUTION: Do not pull the starter rope to full extension and do not let go of the starter rope handle. Release the starter rope slowly to prevent damage to the product.

7. When the engine starts, put the choke control in the run position and apply full throttle. The throttle trigger automatically disengages from the start position.
8. Make sure that the engine operates smoothly.

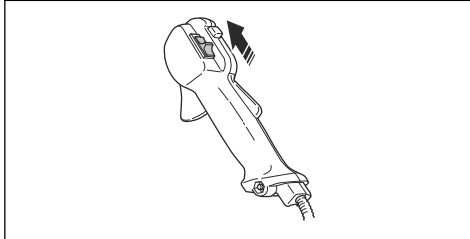


WARNING: Do not use the product with a damaged spark plug cap to prevent electrical shock.



To stop the engine

- Move the stop switch to the stop position.

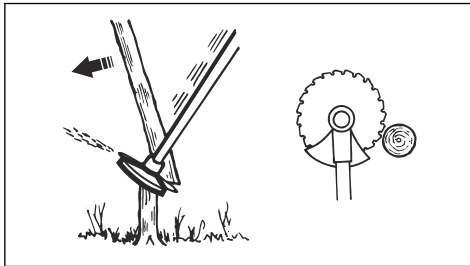


Forestry clearing with a saw blade

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.

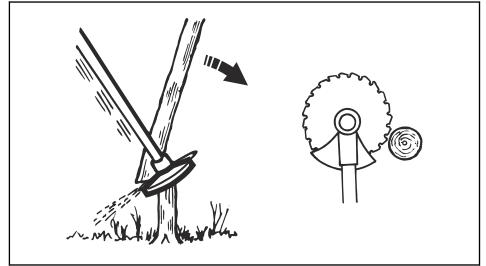


To fell a tree to the right

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.

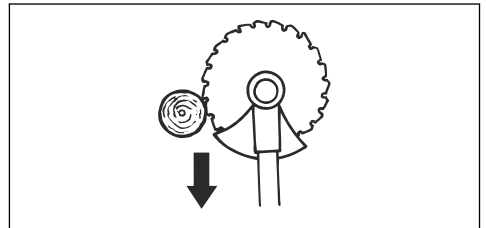
3. Tilt the saw blade and push it with force diagonally up and to the right. At the same time, push the tree with the blade guard.



To fell a tree forward

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

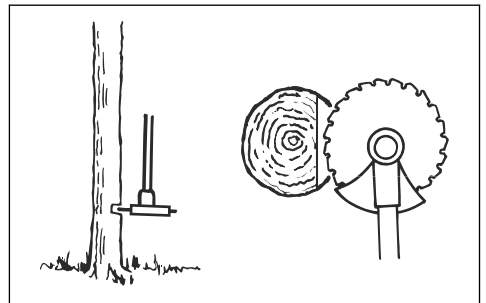
1. Apply full throttle.
2. Put the saw blade against the tree as given in the picture.
3. Pull the saw blade forward with a fast movement.



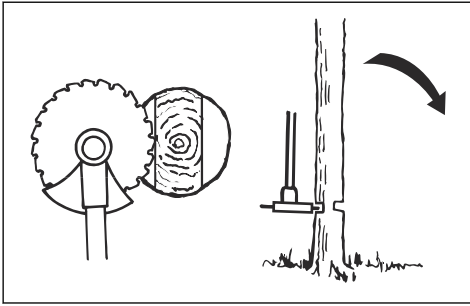
To fell large trees

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.



- Cut through the tree from the other side.



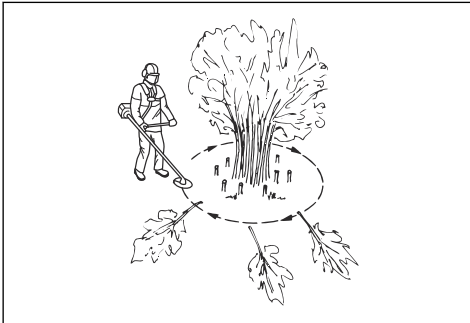
CAUTION: If the saw blade becomes blocked, do not pull the product with a sudden movement. That can cause damage to the saw blade, bevel gear, shaft or handlebar. Release the handles, hold the shaft with 2 hands and carefully pull the product.

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:

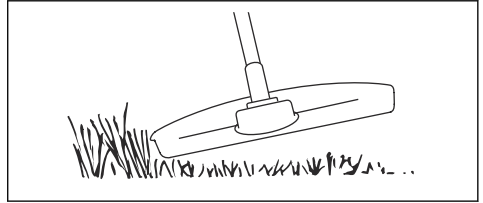


- Cut the outer trees high up.
- Cut the outer trees to the correct height.
- Cut from the center. If you cannot get access to the center, cut the outer trees high up and let them fall. This decreases the risk that the saw blade becomes blocked.

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.

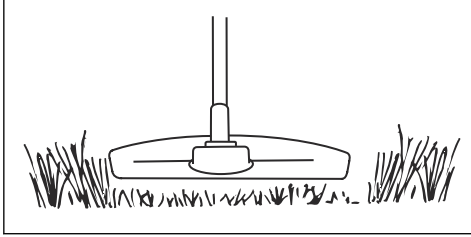


To clear grass with a grass blade

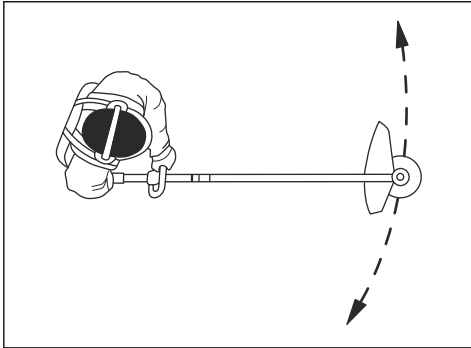
1. Grass blades and grass cutters must not be used on woody stems.
2. A grass blade is used for all types of tall or coarse grass.
3. The grass is cut down with a sideways, swinging movement, where the movement from right-to-left is the clearing stroke and the movement from left-to-right is the return stroke. Let the left-hand side of the blade (between 8 and 12 o'clock) do the cutting.
4. If the blade is angled to the left when clearing grass, the grass will collect in a line, which makes it easier to collect, e.g. by raking.
5. Try to work rhythmically. Stand firmly with your feet apart. Move forward after the return stroke and stand firmly again.
6. Let the support cup rest lightly against the ground. It is used to protect the blade from hitting the ground.
7. Reduce the risk of material wrapping around the blade by always work at full throttle and avoid the previously cut material during the return stroke.
8. Stop the engine, unclip the harness and place the machine on the ground before you start to collect the cut material.

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: Read and understand the safety chapter before you do maintenance on the product.



CAUTION: To prevent accidental start, remove the spark plug cap from the spark plug before you do maintenance on the product.

Maintenance schedule

Maintenance	Daily	Weekly	Monthly
Clean the external surface.	X		
Examine the harness for damages.	X		
Do a check for damages on the suspension ring.	X		
Do a check of the throttle trigger lockout and the throttle trigger. Refer to <i>To do a check of the throttle trigger lockout on page 7.</i>	X		
Make sure that the cutting attachment does not rotate at idle speed.	X		
Do a check of the stop switch. Refer to <i>To do a check of the stop switch on page 7.</i>	X		

Maintenance	Daily	Weekly	Monthly
Examine the cutting attachment guard for damages and cracks.	X		
Make sure that the grass blade is aligned with the center. Make sure that the grass blade is sharp and that the blade or center hole is not damaged.	X		
Examine the trimmer head for damages and cracks. Replace if it is damaged.	X		
Examine the handle and handlebar for damage and make sure that they are attached correctly.	X		
For cutting attachments with a support cup, tighten the locking screw fully.	X		
For cutting attachments with a locknut, tighten the locknut fully.	X		
Examine the transport guard for damage and make sure that it can be attached correctly.	X		
Examine the engine, the fuel tank and the fuel lines for leaks.	X		
Clean the air filter. Replace if it is necessary.	X		
Tighten nuts and screws.	X		
Examine the fuel filter for contamination and the fuel hose for cracks and other defects. Replace if it is necessary.	X		
Examine all cables and connections.	X		
Examine the starter and the starter rope for damages.		X	
Examine the vibration damping units for damages and cracks.		X	
Examine the spark plug. Refer to <i>To do a check of the spark plug on page 23</i> .		X	
Clean the cooling system.		X	
Make sure that the bevel gear is filled to $\frac{3}{4}$ with grease.		X	
Clean the external surface of the carburetor and the area around it.		X	
Clean the spark plug. Remove the spark plug and do a check of the electrode gap. Adjust the electrode gap to 0.5 mm or replace the spark plug if it is necessary. Make sure that the spark plug is assembled with a supressor.		X	
Clean or replace the spark arrestor mesh on the muffler.		X	
Examine the clutch, clutch springs and the clutch drum for wear. Replace if it is necessary.			X
Replace the spark plug. Make sure that the spark plug is assembled with a supressor.			X
Lubricate the drive shaft. ¹			X
Make sure that the safety release on the harness is not damaged and operates correctly.			X
Examine and clean the spark arrestor mesh on the muffler.			X

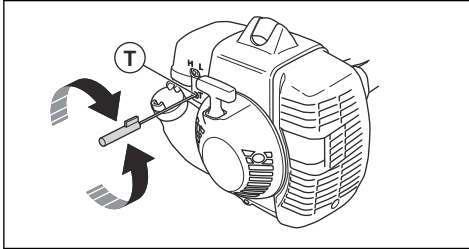
To adjust the idle speed

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

1. Make sure that the air filter is clean and that the air filter cover is attached to the product.

¹ At an interval of 6 months.

- Turn the idle speed screw (T) clockwise until the cutting attachment starts to turn.



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

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 turn.

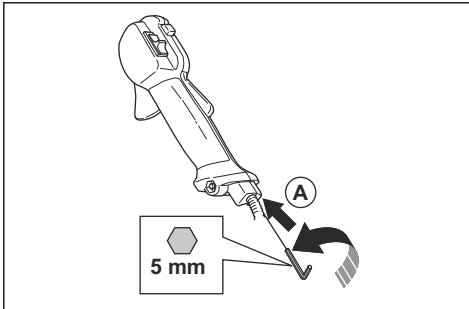
Note: Refer to *Technical data on page 25* for the recommended idle speed.



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.

To adjust the start throttle speed

- Apply idle speed.
- Push the start throttle lock. Refer to *To do a check of the throttle trigger lockout on page 7*.
- If the start throttle speed is less than 4000 rpm, turn the adjuster screw (A) until the cutting attachment rotates. Turn the adjuster screw 1/2 turn more.



- If the start throttle speed is too high, turn the adjuster screw (A) counterclockwise until the cutting attachment stops. Turn the adjuster screw 1/2 turn more.

To do a check of the muffler

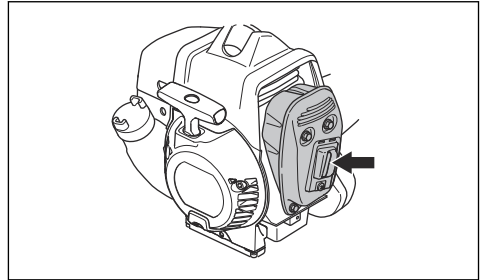


WARNING: Do not use a product that has a defective muffler or a muffler that is in bad condition.

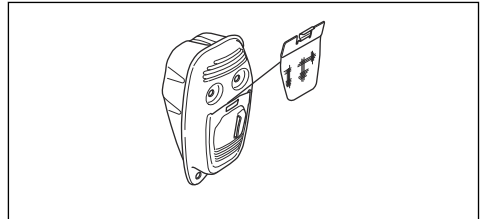


WARNING: Do not use the product if the spark arrester screen on the muffler is missing or defective.

- Examine the muffler for damages and defects.
- Make sure that the muffler is correctly attached to the product.



- If your product has a special spark arrester screen, clean the spark arrester screen weekly.
- Replace a damaged spark arrester screen.



CAUTION: If the spark arrester screen is blocked, the product becomes too hot and this causes damage to the cylinder and piston.

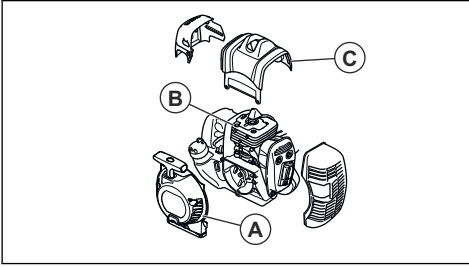
To clean the cooling system



CAUTION: A dirty or blocked cooling system can make the product too hot, which can cause damage to the product.

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

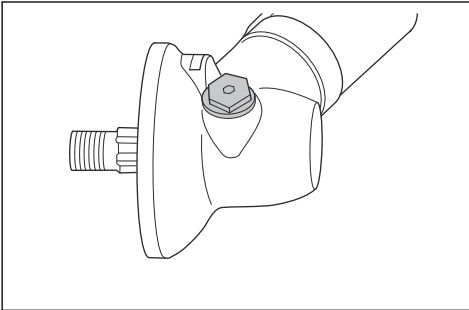
1. Clean the cooling system with a brush weekly or more frequently if it is necessary.



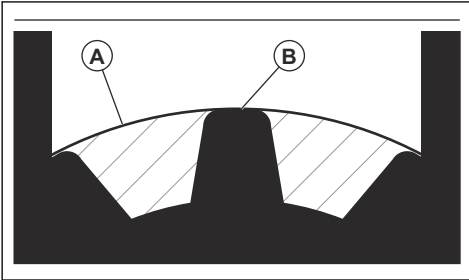
2. Make sure that the cooling system is not dirty or blocked.

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.

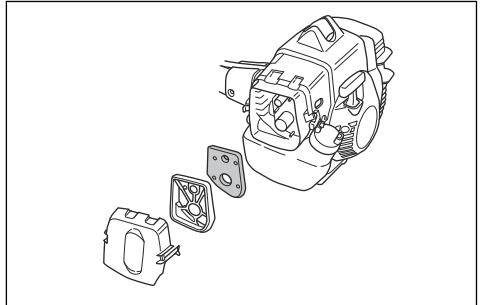
Air filter

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

Clean the air filter regularly from dirt and dust. This prevents carburetor malfunctions, starting problems, loss of engine power, wear to engine parts and more fuel consumption than usual.



- Clean the air filter at an interval of 25 hours, or more regularly if you operate the product in conditions with much dust.

To apply oil to the foam air filter



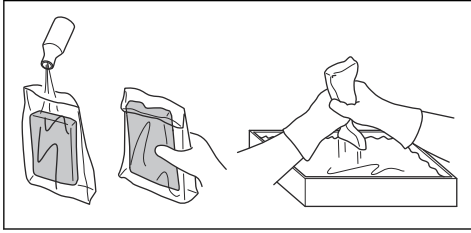
CAUTION: Always use Husqvarna special air filter oil. Do not use other types of oil.



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.

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

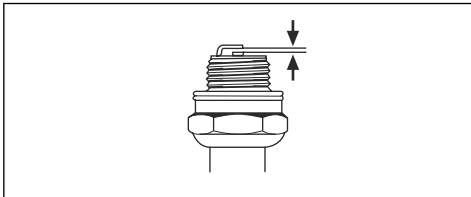


To do a check of the spark plug



CAUTION: Use the recommended spark plug. Refer to *Technical data on page 25*. An incorrect spark plug can cause damage to the product.

- If the product is not easy to start or to operate or if the product operates incorrectly at idle speed, examine the spark plug for unwanted materials. To decrease the risk of unwanted material on the spark plug electrodes, do these steps:
 - make sure that the idle speed is correctly adjusted.
 - make sure that the fuel mixture is correct.
 - make sure that the air filter is clean.
- Clean the spark plug if it is dirty.
- Make sure that the electrode gap is correct. Refer to, *Technical data on page 25*.



- Replace the spark plug monthly or more frequently if necessary.

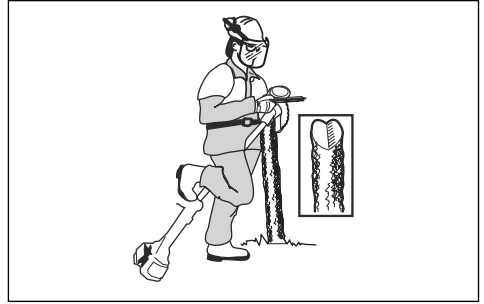
To sharpen the saw blade



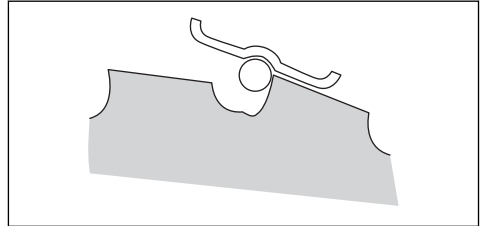
WARNING: Stop the engine. Use protective gloves.

- To sharpen the blade correctly, refer to the instructions that come with the blade.

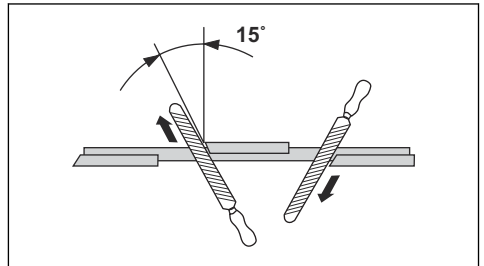
- Make sure that the product and blade has sufficient support when you sharpen it.



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

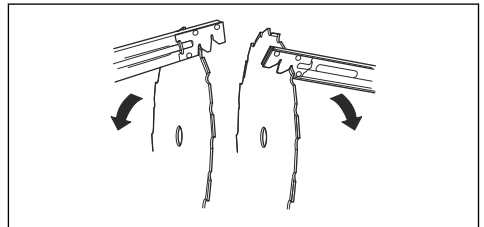


- Hold the file at an angle of 15°.
- Sharpen one tooth of the saw blade to the right and the next tooth to the left, see the illustration.



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.

Troubleshooting

The engine starts but stops again

Product part to examine	Possible cause	Action
Fuel tank	Incorrect fuel type.	Drain the fuel tank and fill with correct fuel.
Carburetor	The idle speed is not correct.	Speak to your servicing dealer.
Air filter	Clogged air filter.	Clean or replace the air filter.
Fuel filter	Clogged fuel filter.	Replace the fuel filter.

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.	

Transportation and storage

Transportation and 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 and chain oil tanks before transportation or before long-term storage. Discard the fuel and chain oil at an applicable disposal location.
- Use the transportation guard on the product to prevent injuries or damage to the product. A saw chain that does not move can also cause serious injuries.

- Remove the spark plug cap from the spark plug and engage the chain brake.
- Attach the product safely during transportation.

Technical data

Technical data

	135R	336FR
Engine		
Cylinder displacement, cu.in/cm ³	2.11/34.6	2.11/34.6
Idle speed, rpm	2900	2900
Recommended max. speed, rpm	11500	11500
Speed of output shaft, rpm	8220	8220
Maximum engine power acc. to ISO 8893, kW/hp @ rpm	1.4/1.9 @ 8400	1.4/1.9 @ 8400
Catalytic converter muffler	Yes	Yes
Ignition system ²		
Spark plug	Champion RCJ 6Y	Champion RCJ 6Y
Electrode gap, inch/mm	0.02/0.5	0.02/0.5
Fuel and lubrication system		
Fuel tank capacity, US pint/l	1.27/0.6	1.27/0.6
Weight		
Weight, lbs/kg	15.0/6.8	15.4/7.0

Accessories

Accessories

Approved accessories	Accessory type	Cutting attachment guard, art. no.
Centre hole in blades/cutters, Ø 25.4 mm		
Output shaft thread M12		
Grass blade/grass cutter	Multi 255-3 (Ø 255 3 teeth)	537 33 16-01
	Multi 275-4 (Ø 275 4 teeth)	537 33 16-01
	Multi 300-3 (Ø 300 3 teeth)	537 33 16-01
Saw blade	Scarlet 200-22 (Ø 200 22 teeth)	537 38 77-01

² This spark ignition system complies with the Canadian ICES-002 standard.

Approved accessories	Accessory type	Cutting attachment guard, art. no.
Plastic blades	Tricut Ø 300 mm (separate blades have part number 531 01 77-15)	537 33 16-01 / 537 34 94-01
Trimmer head	T35, T35x (Ø 2.4 - 3.0 mm cord)	537 33 16-01 / 537 34 94-01
	T45x (Ø 2.7 - 3.3 mm cord)	537 33 16-01 / 537 34 94-01
	Trimmy S II (Ø 2.4 - 3.3 mm cord)	537 33 16-01 / 537 34 94-01
	Alloy (Ø 2.0 - 3.3 mm cord)	537 33 16-01 / 537 34 94-01
Support cup	503 89 01-02	–

Warranty

CALIFORNIA, U.S FEDERAL, AND CANADA EXHAUST AND EVAPORATIVE EMISSIONS CONTROL WARRANTY STATEMENT

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board (CARB), U.S. Environmental Protection Agency (EPA), Environment and Climate Change Canada and Husqvarna Professional Products, Inc. are pleased to explain the exhaust and evaporative emissions ("emissions") control system warranty on your 2022-2023* small off-road engine. In California, new equipment that use small off-road engines must be designed, built, and equipped to meet State's stringent anti-smog standards. Husqvarna Professional Products, Inc. must warrant the emissions control system on your small off-road engine for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your small off-road engine or equipment leading to the failure of the emissions control system. Your emissions control system may include parts such as the carburetor or fuel injection system, the ignition system, catalytic convertor, fuel tanks, fuel lines (for liquid fuel and fuel vapors), fuel caps, valves, canisters, filters, clamps and other associated components. Also included may be hoses, belts, connectors, and other emission-related assemblies. Where a warrantable condition exists, Husqvarna Professional Products, Inc. will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

The exhaust and evaporative emissions control system on your small off-road engine is warranted for two years. If any emissions-related part on your small off-road engine is defective, the part will be repaired or replaced by Husqvarna Professional Products, Inc..

OWNER'S WARRANTY RESPONSIBILITIES

- As the small off-road engine owner, you are responsible for performance of the required maintenance listed in your owner's manual. Husqvarna Professional Products, Inc. recommends that you retain all receipts covering maintenance on your small off-road engine, but Husqvarna Professional Products, Inc. cannot deny warranty coverage solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.
- As the small off-road engine owner, you should however be aware that Husqvarna Professional Products, Inc. may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, or improper maintenance or unapproved modifications.

- You are responsible for presenting your small off-road engine to a Husqvarna Professional Products, Inc. authorized servicing dealer as soon as the problem exists. The warranty repairs shall be completed in a reasonable amount of time, not to exceed 30 days. If you have any questions regarding your warranty rights and responsibilities, you should contact Husqvarna Professional Products, Inc. in USA at 1-800-487-5951, in CANADA at 1-800-805-5523 or send e-mail correspondence to emissions@husqvarnagroup.com or warranty@hpp-emissions.com.

WARRANTY COMMENCEMENT DATE

The warranty period begins on the date the engine or equipment is delivered to an ultimate purchaser.

LENGTH OF COVERAGE

Husqvarna Professional Products, Inc. warrants to the ultimate purchaser and each subsequent owner that the engine or equipment is designed, built, and equipped so as to conform with all applicable regulations adopted by CARB and EPA, and is free from defects in materials and workmanship that causes the failure of a warranted part for a period of two years.

WHAT IS COVERED

REPAIR OR REPLACEMENT OF PARTS: Repair or replacement of any defective warranted part will be performed at no charge to you at a brand authorized servicing dealer. Except for repairs and replacement under this Emission Control Warranty, you may choose a repair shop or other person to maintain, replace or repair emission control devices and systems. However, Husqvarna Professional Products, Inc. recommends that all maintenance, replacement and repairs of emission control devices and systems be performed by a brand authorized servicing dealer.

IMPORTANT: This product is compliant with U.S. EPA Phase 3 regulations for exhaust and evaporative emissions. To ensure EPA Phase 3, California Air Resources Board and Environment and Climate Change Canada regulation, we recommend using only genuine product branded replacement parts. Use of non-compliant replacement parts is a violation of federal and state laws.

WARRANTY PERIOD: Any warranted part which is not scheduled for replacement as required maintenance, or which is scheduled only for regular inspection to the effect of "repair or replace as necessary" is warranted for 2 years (or time defined in the product warranty statement, whichever is longer) from the date of purchase by the initial consumer purchaser. Any warranted part which is scheduled for replacement as required maintenance is warranted for the period of the time up to the first scheduled replacement for that part.

Any part repaired or replaced under the warranty must be warranted for the remaining warranty period.

DIAGNOSIS: You will not be charged for diagnostic labor that leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a brand authorized servicing dealer.

OTHER DAMAGES: Husqvarna Professional Products, Inc. will repair other engine components caused by the failure of a warranted part still under warranty.

EMISSION WARRANTY PARTS LIST

1. Carburetor and intake parts or fuel injection system.
2. Air filter and fuel filter covered up to maintenance schedule.
3. Spark Plug, covered up to maintenance schedule.
4. Ignition Module.
5. Mufflers with catalyst and exhaust manifolds.
6. Fuel tank, fuel lines (for liquid fuel and fuel vapors), fuel cap, carbon canister and tip-over/anti-slosh valves as applicable.**
7. Electronic Controls, Vacuum, temperature, and time sensitive valves and switches.
8. Hoses, connectors, and assemblies.
9. All other components the failure of which would increase the engine's exhaust and evaporative emissions of any regulated pollutant as set forth at the following:
 - For California see California Code of Regulations, 13 CCR §2405(d) and 2760(d).
 - For U.S. and Canada see US Federal Code of Regulations, 40 C.F.R. 1068 Appendix I (iii).

WHAT IS NOT COVERED

All failures caused by abuse, neglect, unapproved modifications, misuse or improper maintenance are not covered.

ADD -ON OR MODIFIED PARTS: Add-on or modified parts that are not exempted by CARB or EPA may not be used. The use of any non-exempted add-on or modified parts will be grounds for disallowing a warranty claim. Husqvarna Professional Products, Inc. will not be liable to warrant failures of warranted parts caused by the use of a non-exempted add-on or modified part.

HOW TO FILE A CLAIM

If you have any questions regarding your warranty rights and responsibilities, you should contact your nearest authorized servicing dealer or call Husqvarna Professional Products, Inc. in USA at 1-800-487-5951, in CANADA at 1-800-805-5523 or send e-mail correspondence to emissions@husqvarnagroup.com or warranty@hpp-emissions.com.

WHERE TO GET WARRANTY SERVICE

Warranty services or repairs are provided through all Husqvarna Professional Products, Inc. authorized servicing dealers. If the nearest authorized servicing

dealer is more than 100 miles from your location, Husqvarna Professional Products, Inc. will arrange and pay for the shipping costs to and from a brand authorized servicing dealer or otherwise arrange for warranty service in accordance with applicable regulations.

MAINTENANCE, REPLACEMENT AND REPAIR OF EMISSION-RELATED PARTS

Any replacement part may be used in the performance of any warranty maintenance or repairs and must be provided without charge to the owner. Such use will not reduce the warranty obligations of the manufacturer.

MAINTENANCE STATEMENT

The owner is responsible for the performance of all required maintenance, as defined in the operator's manual.

* Current and following model year will be updated annually in the warranty statement provided to the consumer. For example, in 2012 model year, 2012-2013 will be specified.

** Evaporative emission parts.



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Original instructions



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