

Husqvarna®



RC 318T, RC 320Ts AWD

EN	Operator's manual
ES	Manual de usuario
PT	Manual do utilizador
IT	Manuale dell'operatore

2-42
43-85
86-128
129-171

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Introduction

Pre-delivery inspection and product numbers

Note: A pre-delivery inspection has been done of this product. Make sure that you receive a signed copy of the pre-delivery inspection document from your dealer.

Husqvarna servicing dealer contact information:	
This operator's manual belongs to product with product number / serial number:	
/	
Engine:	
Transmission:	

Product description

The RC 318T and RC 320Ts AWD are ride-on lawn mowers equipped with collect mode. In collect mode, an auger sends the cut grass into a grass collector. Visual and audio signals show the status of the auger and collector. Forward and reverse pedals let the user adjust the speed steplessly. An hour meter shows how many hours the product has mowed. The battery is a rechargeable lithium iron phosphate battery, LiFePO₄. RC 320Ts AWD has all wheel drive (AWD).

Intended use

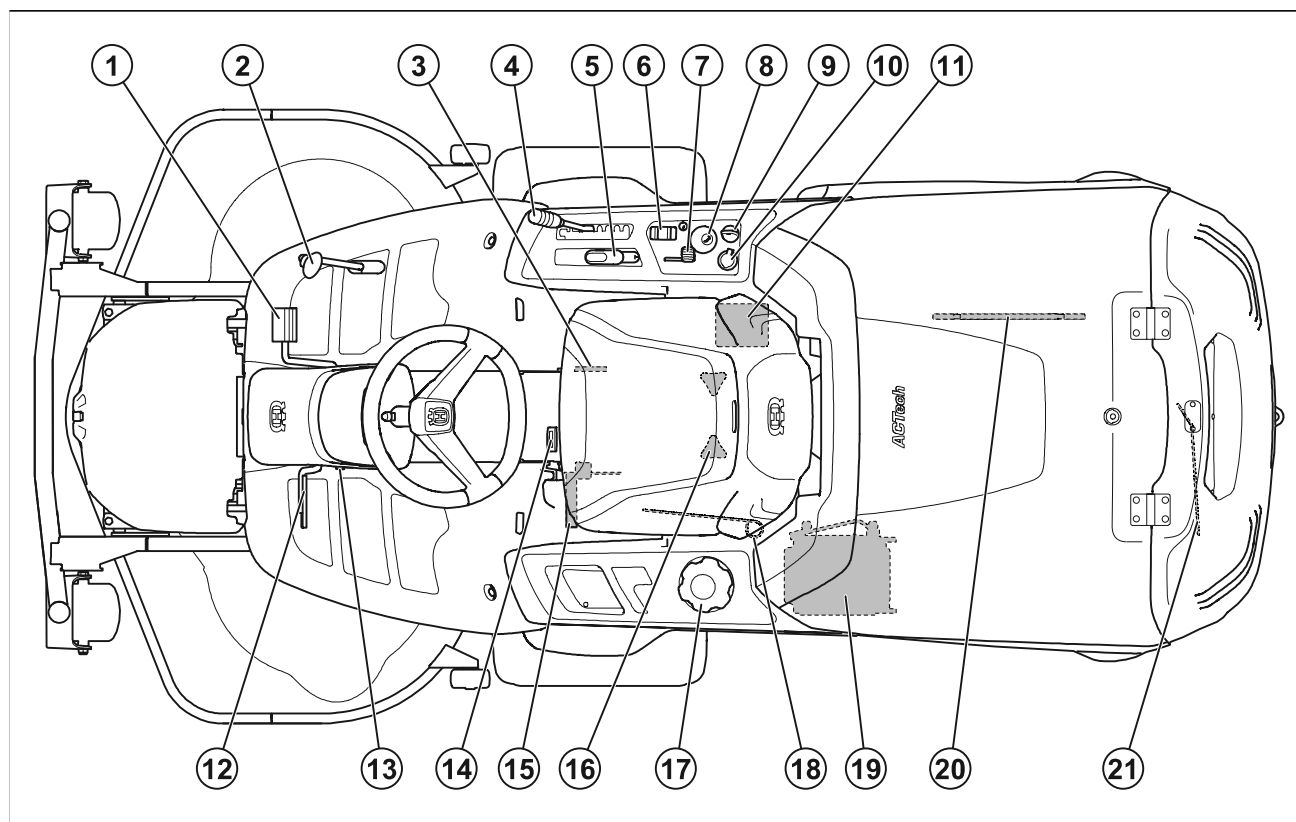
The RC 318T and RC 320Ts AWD ride-on lawn mowers are made to mow grass on open and level ground in

residential areas and gardens. It is not permitted to use the product for other tasks.

Insure your product

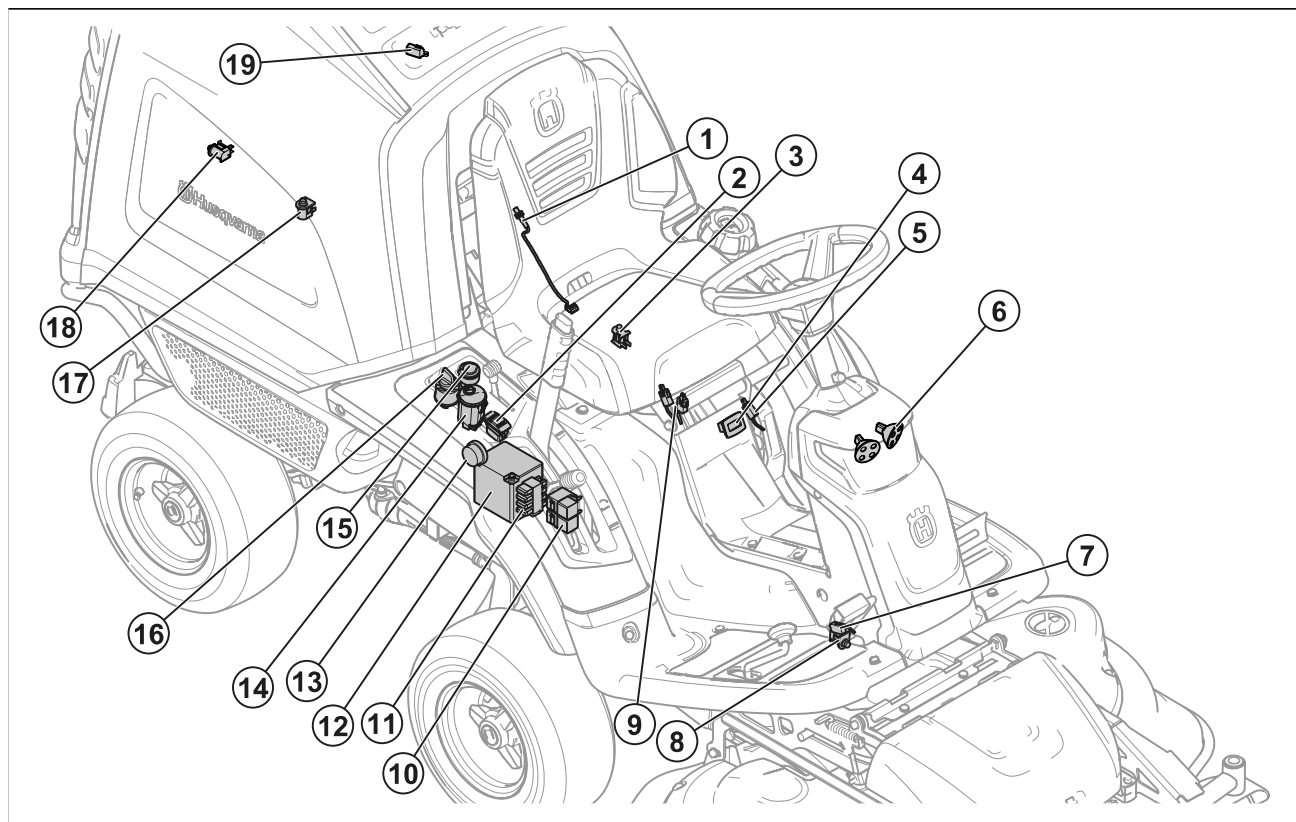
Make sure that you have insurance coverage for your new product. Speak to your insurance company if you are not sure. We recommend a fully comprehensive insurance that includes third party, fire, damage, theft and liability.

Product overview



- | | |
|--|--|
| 1. Pedal for driving forward | 13. Lock button for parking brake |
| 2. Pedal for reversing | 14. Hour meter |
| 3. Type plate | 15. Auger servicing position lever |
| 4. Cutting height lever | 16. Seat adjustment |
| 5. Lift lever for the cutting deck | 17. Fuel cap |
| 6. Switch for tilting the collector | 18. Lever to engage or disengage the drive on the front axle, RC 320Ts AWD |
| 7. Throttle control | 19. Hydraulic oil cooler, RC 320Ts AWD |
| 8. Auger control switch with LED indicators | 20. Auger maintenance tool |
| 9. Ignition lock | 21. Lever to engage or disengage the drive, RC 318T. |
| 10. Power outlet 12V | Lever to engage or disengage the drive on the rear axle, RC 320Ts AWD |
| 11. Battery | |
| 12. Parking brake pedal (RC 320Ts AWD)/parking and service brake pedal (RC 318T) | |

Electrical system overview



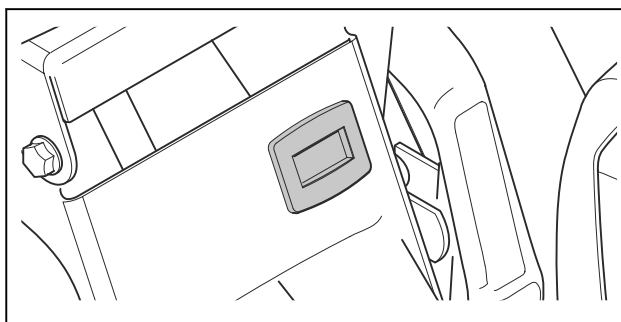
1. Auger rotation sensor
2. Switch for tilting the collector
3. Seat safety switch
4. Hour meter
5. Switch for the lever for the auger servicing position
6. Headlights
7. Microswitch, parking brake
8. Sensor for cutting deck in place
9. Safety switch for the lift lever
10. Relay
11. Fuses
12. Battery
13. Buzzer
14. Auger control switch with LED indicators
15. Power outlet (12 V)
16. Ignition lock
17. Collector position sensor
18. Switch for collector hatch
19. Sensor for collector full

Seat safety switch

The seat safety switch starts the safety circuit when the operator lifts from the seat. The engine and the drive to the blades stop if the blades are engaged or the parking brake is not applied. See also *Safety circuit on page 10*.

Hour meter

The hour meter shows how many hours the engine has run. The time with ignition on but engine off is not registered. The last digit shows tenths of an hour (6 minutes).



Battery

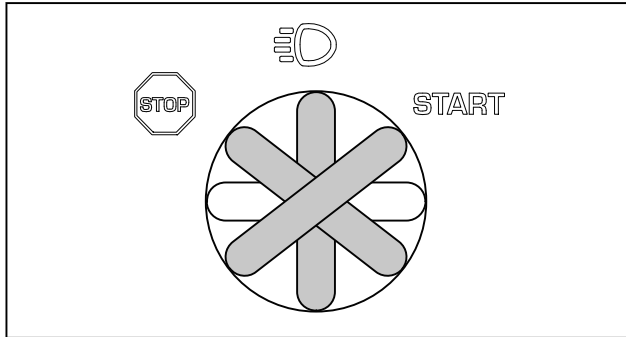
The battery is a rechargeable lithium iron phosphate battery, LiFePO₄. If the voltage in the battery is too low, it goes into protection mode and does not react when you turn the ignition on. When the battery is in protection mode or if it is too weak to start the engine, it must be charged. See *To charge the battery on page 27*.

Power outlet

The voltage of the power outlet is 12 V. The power outlet is fused, see *To replace a fuse on page 27*.

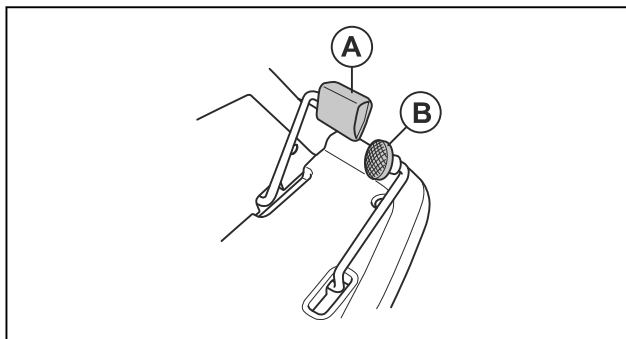
Ignition lock

The ignition lock has 4 positions: stop, lights, neutral and start. If the ignition is left on but the engine is off, a beep is heard at a 20 second interval to remind the user to turn the ignition lock to STOP to not discharge the battery.



Forward and rearward pedals

The speed is gradually adjusted with 2 pedals. The left pedal (A) is used to move forward, and the right pedal (B) is used to move rearward. The product stops when the pedals are released.



Auger control switch with LED indicators

Symbols on the auger control switch show if the product is in collect or non-collect mode and the status of the auger and collector. The table below gives the meaning of the different symbols.



The auger is in the servicing position. The symbol lights up red and a beep is heard.



The cutting deck is not attached correctly. The symbol lights up red and a beep is heard.



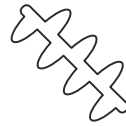
The collector is full. The symbol lights up orange and a beep is heard. The auger continues to send grass into the collector. If you do not empty the collector, the pressure from the grass opens the collector hatch after some time.



The collector hatch is open. The symbol lights up red and a beep is heard.



The collector is not lowered. The symbol lights up red and a beep is heard.



A green symbol on the auger button shows that the product is set to collect mode.

A blue symbol on the auger button shows that the product is set to non-collect mode.

Press and hold the auger button until a beep is heard to change between collect and non-collect mode.

A red symbol on the auger button shows that the auger is blocked and has stopped. A continuous beep is heard. Turn the ignition lock to STOP to stop the beeping. See the instructions in *To remove blockage from the auger on page 23* to remove the blockage before you start the product again.

Symbols on the product



WARNING: Careless or incorrect use can result in serious or fatal injury to the operator or others.



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



Rotating blades. Keep body parts away from the cover when the engine is on.



Warning: rotating parts. Keep body parts away.



Look out for thrown objects and ricochets.



Never use the product if persons, especially children, or animals, are in the vicinity.



Look behind you before and while you move the product in reverse.



Never cut grass across a slope. Do not cut grass on ground that slopes more than 10°.



Never carry passengers on the product or equipment.



Move forward.

N

Neutral.



Move rearward.



Parking brake, model RC 320Ts AWD.



Service brake and parking brake, model RC 318T.



Stop the engine.

START

Start the engine.



Headlights.



Engine speed – fast.



Engine speed – slow.



The auger is in the servicing position.



The cutting deck is not attached.



The collector is full.



The collector hatch is open.



The collector is not lowered.



Status indication lamp for auger system.



Tilt and open the collector.



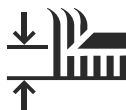
Lower the collector to the operation position.



Fuel.



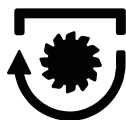
Max. ethanol 10%.



Cutting height.



Servicing position for the cutting height lever.



The blades are engaged.



The blades are disengaged.



Servicing position for the cutting deck.



Mowing position for the cutting deck.



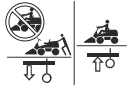
The auger is in operation position.



The auger in servicing position.



Do not step here.



Hydrostatic freewheel.



Oil level.



Risk of crush injuries.



Risk of crush injuries. Keep body parts away from the equipment frame.



Hot surface.



Do not touch.



This product is in accordance with applicable EC directives.



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 *Technical data on page 37* and on the label.



Always wear approved hearing protection.

yyyywwxxxxx

The serial number on the type plate. **yyyy** is the production year, **ww** is the production week and **xxxxx** is the sequential number.

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

Euro V Emissions



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

Product damage

We are not responsible for damages to our product 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.

Support

For support about the product, go to the Support section on to access instructions, troubleshooting guides, or to use the Husqvarna Self-Service and the Product Assistant (if available in your market). For more support about the product, speak to your Husqvarna servicing dealer.

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: This product can cut off hands and feet and throw objects. Serious injury or death may occur if you do not obey the safety instructions.



WARNING: Do not continue to use a product with damaged cutting equipment. Damaged cutting equipment can throw objects and cause serious injury or death. Replace damaged blades immediately.

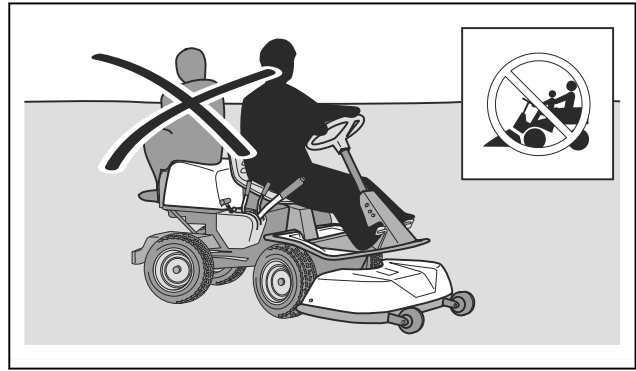


WARNING: This product produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this product.

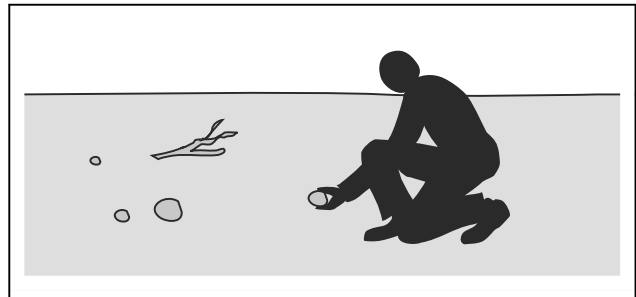


WARNING: Read the warning instructions that follow before you use the product.

- Always be careful and use your common sense. Avoid all situations which you consider to be beyond your capability. If you feel uncertainty about the operating procedures after you read the operator's manual, consult an expert before you continue.
- Read and understand the operator's manual and the instructions on the product carefully before you start the product.
- Learn how to use the product and its controls safely and learn how to stop the product quickly.
- Learn to recognize the safety decals.
- Keep the product clean to make sure that you can clearly read signs and stickers.
- Keep in mind that the operator will be held responsible for accidents that involve other persons or their property.
- Do not transport passengers. The product must only be used by one person.



- Do not let the product stay unsupervised with the engine on. Always stop the blades, apply the parking brake, stop the engine and remove the ignition key before you let the product stay unsupervised.
- Only use the product in daylight or in other well-lit conditions. Keep the product at a safe distance from holes or other irregularities in the ground. Look out for other possible risks.
- Do not use the product in bad weather, for example in fog, in rain, moist or in wet locations, strong winds, intense cold, risk of lightning, etc.
- Find and mark stones and other fixed objects to prevent collision.
- Clear the area of objects such as stones, toys, wires, etc. that may become caught in the blades and be thrown out.



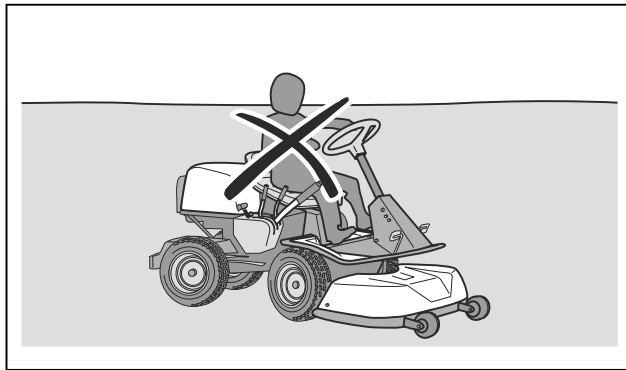
- Do not let children or other persons not approved for operation of the product to use or do servicing on it. Local laws may regulate the age of the user.
- Make sure that nobody else is in the vicinity of the product when you start the engine, engage the drive or start to move the product.
- Keep an eye on the traffic when you mow near a road or move across a road.
- Do not use the product if you are fatigued, while under the influence of alcohol or drugs, medicine or anything that can have a negative effect on your vision, alertness, coordination or judgement.
- Always park the product on a level surface with the engine stopped.

Safety instructions regarding children



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

- Serious accidents can occur if you are not on your guard for children in the vicinity of the product. Children can be attracted to the product and to mowing. It is very possible that children do not stay where you last saw them.
- Keep children away from the area to be mowed. Make sure that an adult is responsible for the children.
- Keep an eye out and stop the product if children enter the work area. Be very careful near corners, bushes, trees or other objects that prevents a clear view.
- Before and while you move the product in reverse, look behind you and look down to make sure there are no small children in the vicinity of the product.
- Do not let children ride along. They can fall off and get seriously injured or prevent safe maneuvering of the product.
- Do not let children operate the product.



Safety instructions for operation



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



WARNING: The engine and the exhaust system become very hot during operation. Risk of burn injuries, fire and serious damage to property or adjacent areas. Do not touch the engine or exhaust system during or directly after operation. When you mow, keep away from bushes and other objects.

- Do not move the product with the collector tilted. This can damage the collector and increase the risk that the product overturns.
- Always look down and back before and while you move in reverse. Keep a look out for large and small obstacles.
- Decrease the speed before you turn a corner.
- Move around fixed objects carefully, make sure that the blades do not hit. Do not mow across objects.
- Stop the blades when you do not mow.



CAUTION: Read the caution instructions that follow before you use the product.

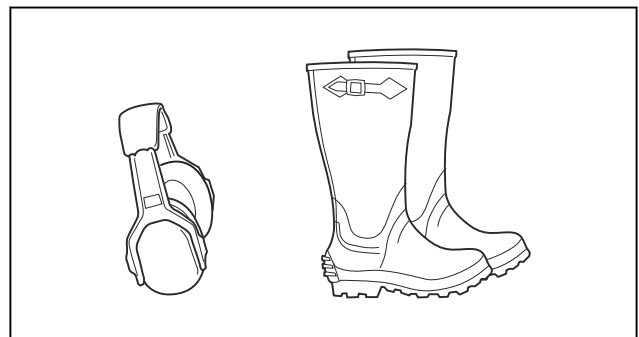
- Before you operate the product, clear the engine cooling air intake from grass, dirt, etc. If the engine can not become cool there is a risk of serious engine damage.
- Stop and examine the product and cutting deck if you mow across or into anything. If necessary, make repairs before you restart.

Personal protective equipment



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

- Use approved personal protective equipment when you use the product. Personal protective equipment cannot fully prevent injury but it decreases the degree of injury if an accident does occur. Let your dealer help you select the right equipment.
- Use approved hearing protection. Long-term exposure to noise can result in permanent hearing impairment.
- Use heavy-duty slip-resistant boots or shoes. Steel toes are recommended. Do not use open shoes or go with bare feet.



- Use protective gloves when necessary, for example when you attach, examine or clean the cutting equipment.
- Do not wear loose-fitting clothing, jewelry or other items that can get caught in moving parts.
- Keep first aid equipment and fire extinguisher near.

Safety devices on the product



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

- Do not use a product with safety devices that are damaged or do not operate correctly. Do a check of the safety devices regularly. If the safety devices are damaged, speak to your Husqvarna servicing dealer.

- Do not make modifications on safety devices. Do not use the product if protective plates, protective covers, safety switches or other protective devices are not attached or are damaged.

To do a check of the ignition lock

- Start and stop the engine to do a check of the ignition lock. See *To start the engine on page 17* and *To stop the engine on page 19*.
- Make sure that the engine starts when you turn the ignition key to START.
- Make sure that the engine stops immediately when you turn the ignition key to STOP.

Safety circuit

The engine can only be started when the conditions are met as follows:

- The cutting deck is lifted and the parking brake is applied.

The engine must stop in the situations that follow:

- The cutting deck is lowered and the operator lifts from the seat.
- The cutting deck is lifted, the parking brake is not applied and the operator lifts from the seat.

To do a check of the safety circuit, try to start the engine with one of the conditions above not met. Change the conditions and try again. Do this check daily.

Sensors for the auger and the collector

Turn the ignition on but do not start the engine. Do a check of each sensor as given in the table below. Make sure that the related symbol on the auger control switch lights up.



Lower the auger servicing position lever. If the sensor functions correctly, the symbol lights up red.



Do not attach the cutting deck. If the sensor functions correctly, the symbol lights up red and a beep is heard when the ignition is turned to on.



Open the collector hatch. If the sensor functions correctly, the symbol lights up red and a beep is heard.



Push the sensor for collector full up. If the sensor functions correctly, the symbol lights up orange and a beep is heard.



Tilt the collector. If the sensor functions correctly, the symbol lights up red and a beep is heard.

To do a check of the forward drive pedal and rearward drive pedal

- Start the product.
- Make sure that the forward drive pedal and rearward drive pedal are not blocked and can be operated freely.
- Push the forward drive pedal carefully to move forward.
- Release the forward drive pedal to brake. Make sure that the brake engages when the forward drive pedal is released.
- Do the same procedure for the rearward drive pedal.

Note: The product has a brake function that engages automatically when you release the pedals. To decrease the speed faster, push the other pedal.

- Make sure that the product does not move when the forward drive and rearward drive pedals are not engaged.

Parking brake



WARNING: If the parking brake does not work, the product can start to move and cause injury or damage. Make sure that the parking brake is regularly examined and adjusted.

See *To do a check of the parking brake on page 25*.

For model RC 318T the parking brake pedal is also used for more brake power when necessary, for example when you brake on a slope.

Muffler

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

Do not use the product if the muffler is missing or damaged. A damaged muffler increases the noise level and the risk of fire.

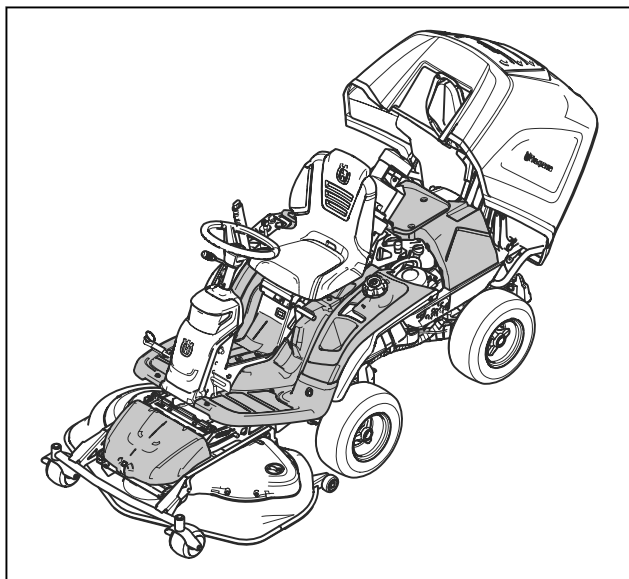


WARNING: The muffler becomes very hot during and after use and when the engine operates at idle speed. Be careful near flammable materials and/or fumes to prevent fire.

Protective covers



WARNING: Missing or damaged protective covers increases the risk of injury on moving parts and hot surfaces. Before you operate the product, make sure that the protective covers are correctly attached and do not have cracks or other damages. Replace damaged covers.

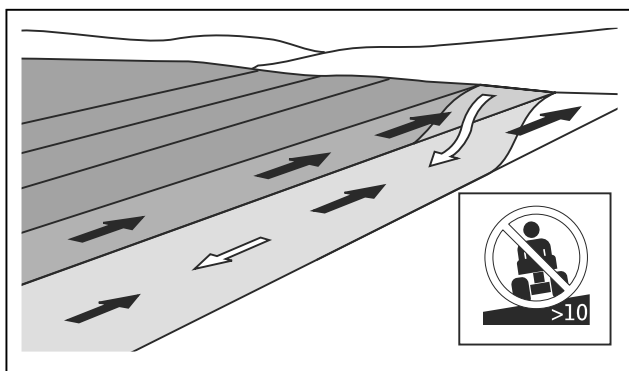


To mow on slopes



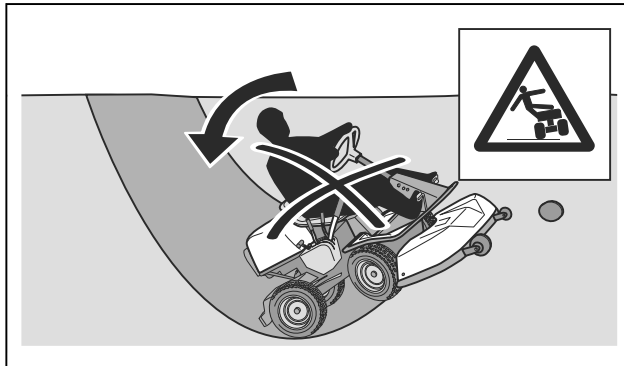
WARNING: Read the warning instructions that follow before you use the product.

- To mow on slopes increases the risk that you can not control the product and that the product overturns. This can cause injury or death. It is necessary to mow carefully on all slopes. If you cannot reverse up a slope or if you do not feel safe, do not mow it.
- Remove obstacles such as stones and branches.
- Mow up and down the slope, not from side to side.
- Do not move down a slope with the cutting deck lifted.
- Do not operate the product on ground that slopes more than 10°.



- Do not start or stop on a slope.
- For model RC 318T, always use the service brake pedal for more brake power when you operate on slopes.
- Move smoothly and slowly on slopes.
- Do not make sudden changes in speed or direction.
- Do not turn more than necessary. Turn slowly and gradually when you move down a slope. Move at low speed. Turn the wheel carefully.

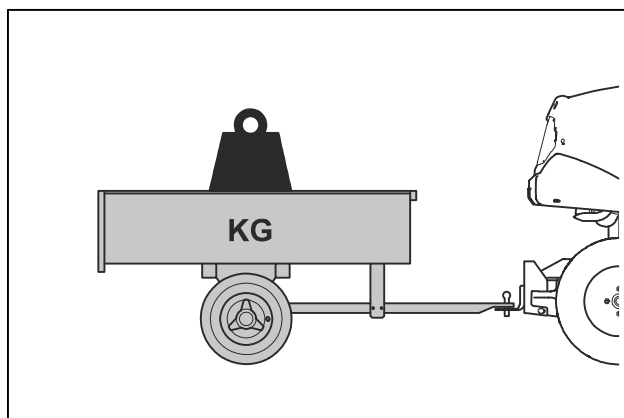
- Look out for and do not move across furrows, holes and bumps. There is a higher risk that the product overturns on ground that is not flat. Tall grass can hide obstacles.
- Do not mow near edges, ditches or banks. The product can suddenly overturn if a wheel moves over the edge of a steep slope or a ditch, or if an edge gives way. If the product falls into water there is a risk of drowning.



- Do not mow wet grass. It is slippery, and tires can lose their grip so that the product skids.
- Do not put your foot on the ground to try to make the product more stable.
- Move very carefully if anything is attached that can make the product less stable.

Tow safety

- Only use tow equipment approved by Husqvarna.
- Use the tow bar to attach the equipment.
- Do not tow equipment that is heavier than the maximum permitted tow equipment weight. Refer to *Technical data on page 37*.



- Make sure that no other persons are near the product when you tow equipment.
- Be careful when you tow equipment on slopes or rough ground.
- Operate the product at low speed when you tow equipment.

Fuel safety



WARNING: Be careful with fuel. It is very flammable, and can cause injury and damage to property.



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

- Do not fill the fuel tank indoors.
- Gasoline and gasoline fumes are poisonous and very flammable. Be careful with gasoline to prevent injury or fire.
- Do not remove the fuel tank cap or fill the fuel tank when the engine is on.
- Let the engine become cool before you refuel.
- Do not smoke when you fill fuel.
- Do not fill fuel near sparks or naked flames.
- If there are leaks in the fuel system, do not start the engine until the leaks are repaired.
- Do not fill above recommended fuel level. The heat from the engine and the sun makes the fuel expand and the fuel overflows if the tank is filled too much.
- Do not fill too much. If you spill fuel on the product, clean up the spill and wait until it is dry before you start the engine. If you spill on your clothing, change it.
- Store fuel in approved containers only.
- Store the product and fuel in such a way that there is no risk that fuel leaks or fumes can cause damage.
- Drain off the fuel in an approved container outdoors and away from naked flames.

Battery safety



WARNING: A damaged battery can explode and cause injury. If the battery has a deformation or is damaged, speak to an authorized Husqvarna service agent.



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

- Wear protective glasses when you are near batteries.
- Do not wear watches, jewellery or other metal objects near the battery.
- Keep the battery out of reach for children.
- Charge the battery in a room with good airflow.
- Keep flammable materials at a minimum clearance of 1 m when you charge the battery.
- Discard replaced batteries. See *Disposal on page 36*.



CAUTION: Read the caution instructions that follow before you use the product.

- Charge only with the charger specified by the manufacturer. Other chargers can do damage to the electrical system and the battery.
- Do not tighten the battery terminals more than the specified torque, max. 4 Nm.

Safety instructions for maintenance



WARNING: The product is heavy and can cause injury or damage to property or the adjacent area. Do not do maintenance on the engine or the cutting deck without these conditions:

- The engine is off.
- The product is parked on a level surface.
- The parking brake is applied.
- The ignition key is removed.
- The cutting deck is disengaged.
- The ignition cables are removed from the plugs.



WARNING: The exhaust fumes from the engine contain carbon monoxide, an odourless, poisonous and very dangerous gas. Do not run the product in closed spaces or spaces with not sufficient air flow.



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

- For best performance and safety, do maintenance on the product regularly as given in the maintenance schedule. See *Maintenance schedule on page 20*.
- Electrical shocks can cause injuries. Do not touch the cables when the engine is on. Do not do a function test on the ignition system with your fingers.
- Do not start the engine if the protective covers are removed. There is a high risk of injury caused by moving or hot parts.
- Let the product become cool before you do maintenance near the engine.
- The blades are sharp and can cause cuts. Wind protection around the blades or use protective gloves when you do work on the blades.
- Always put the cutting deck in servicing position to clean it. Do not park the product near the edge of a ditch or slope to get access to the cutting deck.



CAUTION: Read the caution instructions that follow before you use the product.

- Do not turn over the engine if the spark plug or ignition cable is removed.
- Make sure that all nuts and bolts are tightened correctly and that the equipment is in good condition.

- Do not change the adjustment of governors. If the engine speed is too high, the product components can become damaged. See for highest permitted engine speed.
- The product is approved only with the equipment supplied or recommended by the manufacturer.

Assembly

Introduction

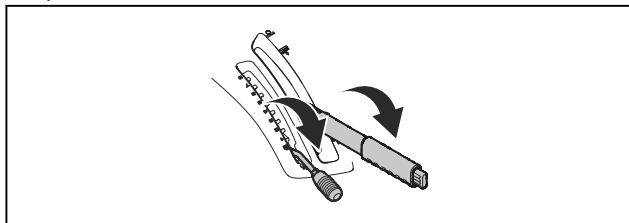


WARNING: The drive belt tension spring can break and cause injury. Wear protective glasses when you attach or remove the cutting deck.

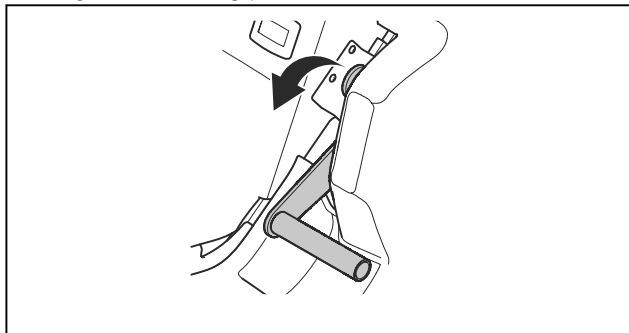
Read the assembly instructions in the owner's manual carefully. A label on the inner side of the front cover on the product, also shows how to attach and remove the cutting deck.

To attach the cutting deck

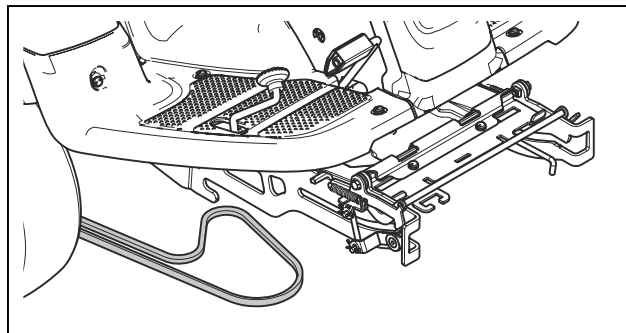
1. Place the product on level ground.
2. Apply the parking brake.
3. Set the cutting height lever in the servicing position.
4. Set the lift lever for the cutting deck in mowing position.



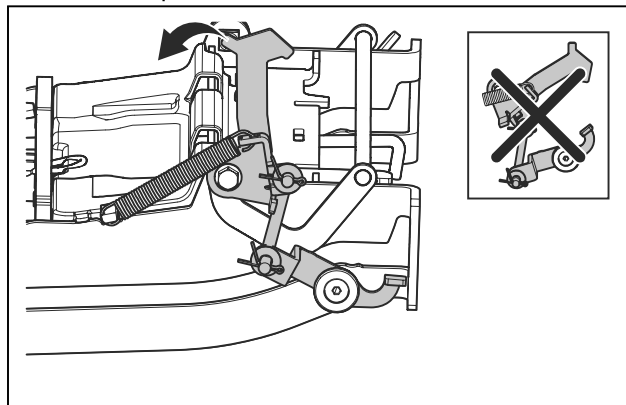
5. Lower the auger servicing position lever to lift the auger to servicing position.



6. Put the drive belt as illustrated to make sure that it does not get pinched when the cutting deck is attached.

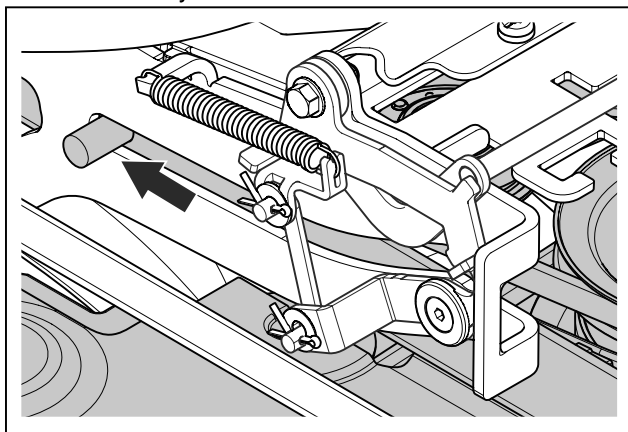


7. Push the equipment frame down. Lift the service lock to vertical position.

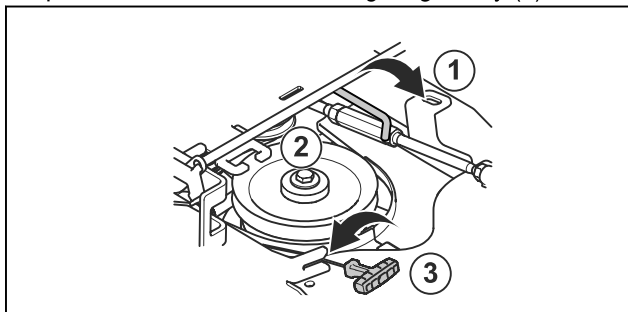


WARNING: The lock mechanism can cause injury to fingers if you do not operate it carefully. Put the service lock in full vertical position and hold the front edge of the cutting deck with two hands when you continue to the next step.

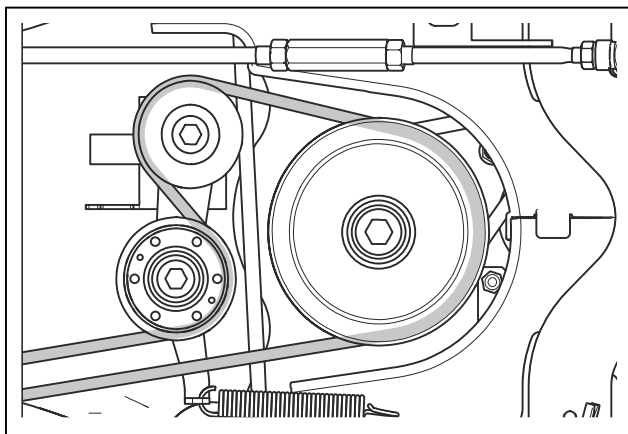
8. Lift the front edge of the cutting deck and move it into the equipment frame. The plugs on the cutting deck, one on each side, must be put in the grooves on the equipment frame. The service lock releases automatically.



9. Lift the cutting height stay from the stay holder and put it in the hole for the cutting height stay (1).

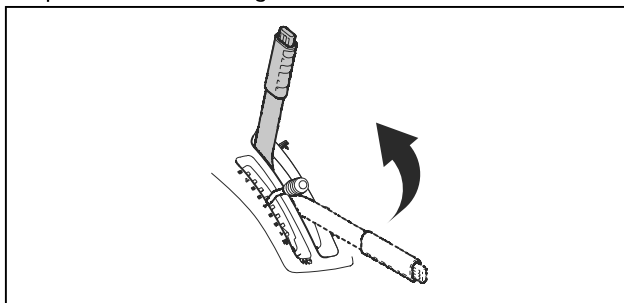


10. Put the drive belt around the tension wheel (2). Make sure the drive belt runs as illustrated below.

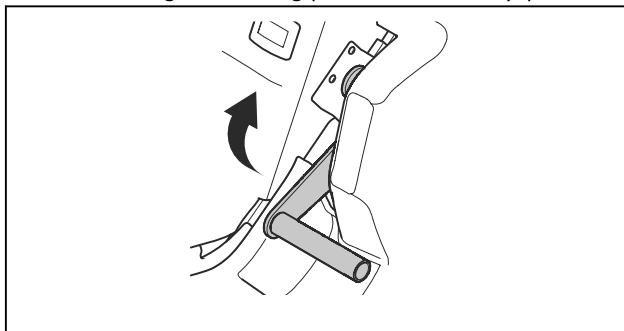


11. Put the spring in the spring holder (3).

12. Set the lift lever for the cutting deck in locked position. The cutting deck lifts.



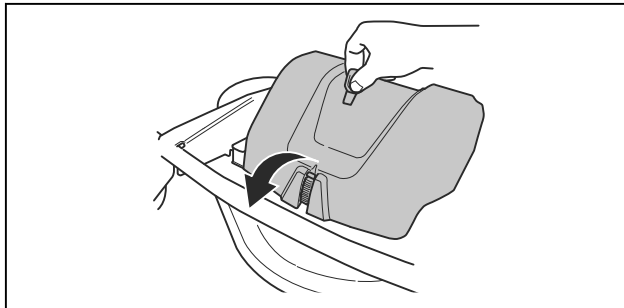
13. Pull the auger servicing position lever to up position.



14. Attach the front cover.

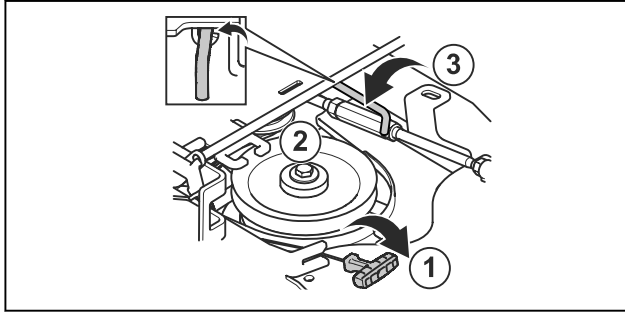
To remove the cutting deck

1. Do steps 1–5 in *To attach the cutting deck on page 13*.
2. Release the clip on the front cover with the tool attached to the ignition key, and lift off the cover.

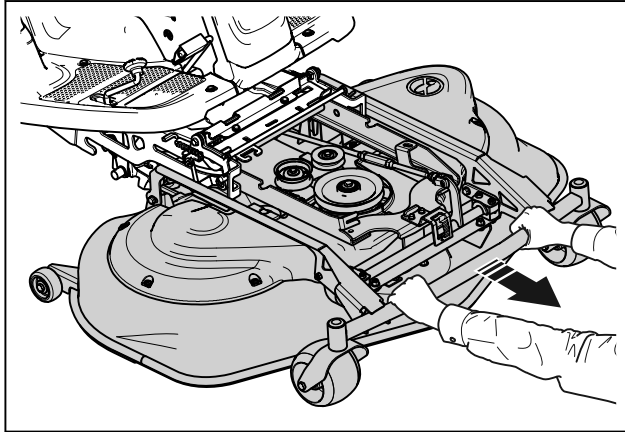


3. Pull the spring handle to the right out from the spring holder to loosen the tension on the tension wheel for the drive belt. (1)
4. Hold the spring handle with your left hand and lift off the drive belt with your right hand.
5. Pull the drive belt to the rear below the product. Do not put it in the belt holder (2).
6. Put the spring handle in the spring holder to prevent that the spring falls down.

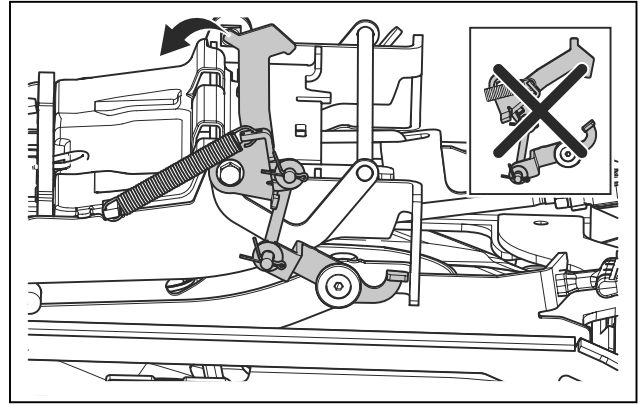
7. Lift the cutting height stay and put it in the holder for the cutting height stay (3).



8. Hold the front edge of the cutting deck with two hands and pull forward until it stops.



9. Lift the service lock to vertical position.



WARNING: The lock mechanism can cause injury to fingers if you do not operate it carefully. Put the service lock in full vertical position and hold the front edge of the cutting deck with two hands when you continue to the next step.

10. Lift the front edge of the cutting deck until the service lock touches the frame and pull the cutting deck out.

Operation

Introduction



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

To fill fuel



WARNING: Gasoline is very flammable. Be careful and refuel outdoors, refer to *Fuel safety* on page 12.



WARNING: Do not use the fuel tank as a support area.



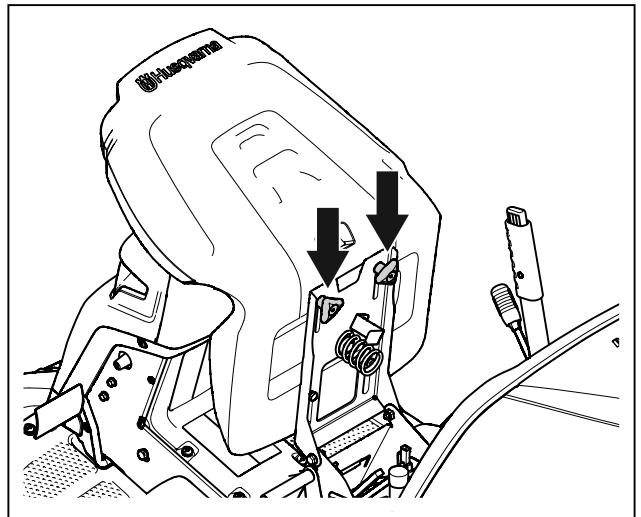
CAUTION: Incorrect type of fuel can result in engine damage.

The engine runs on gasoline with a minimum octane rating of 91 RON (87 AKI), not mixed with oil. We recommend biodegradable alkylate gasoline. Do not use gasoline that contains more than 10% ethanol.

- Do a check of the fuel level before each use and refuel if it is necessary.
- Do not fully fill the fuel tank. Keep a space of a minimum 2.5 cm.

To adjust the seat

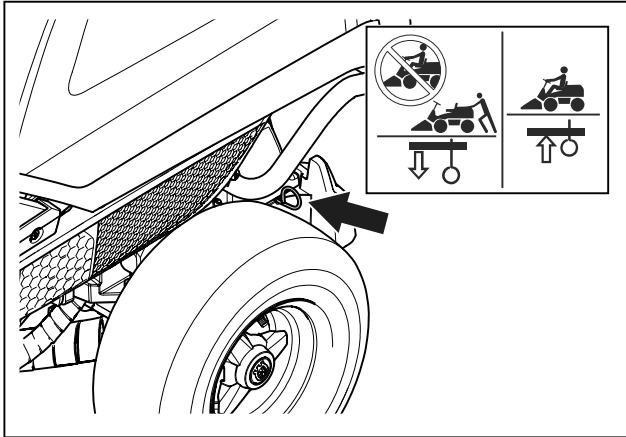
The seat can be tilted forward. It can also be adjusted lengthways. Loosen the handles below the seat to adjust it forward or rearward.



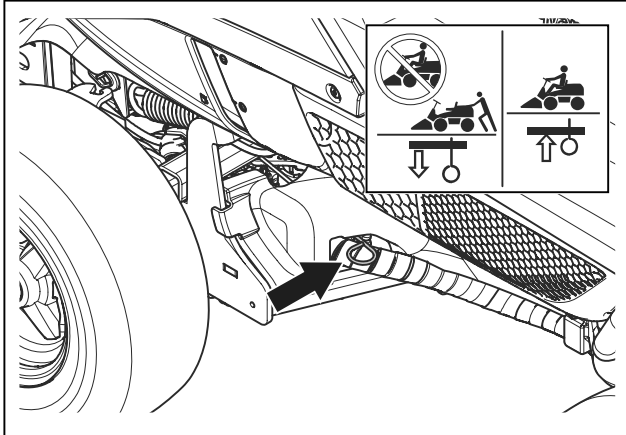
To engage and disengage the drive system

To move the product with the engine off, the drive system must be disengaged. Pull out the drive system lever fully to disengage the drive on the axle. Push the drive system lever in fully to engage the drive on the axle. Do not use middle positions.

The drive system lever for model RC 318T is found behind the left rear wheel. Model RC 320Ts AWD has one drive system lever for the front and one for the rear axle. The drive system lever for the rear axle is found behind the left rear wheel.

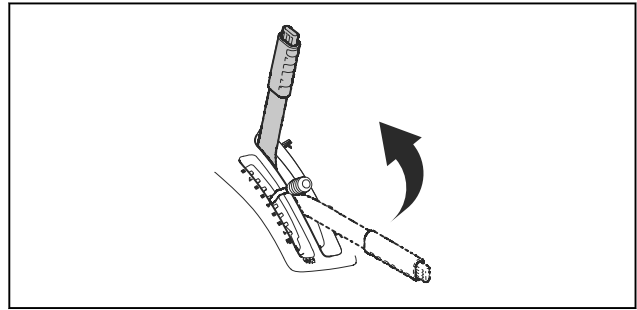


The drive system lever for the front axle for RC 320Ts AWD is found behind the left front wheel.

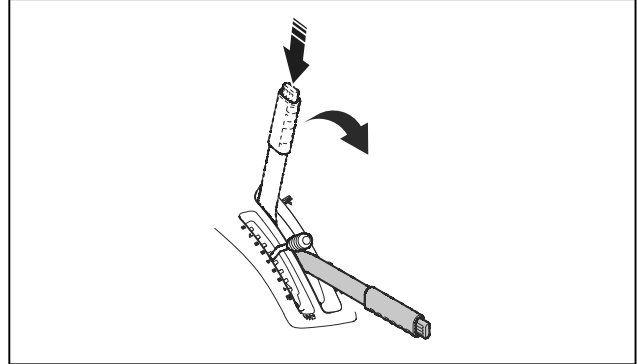


To lift and lower the cutting deck

To lift the cutting deck to transport position, pull the lift lever rearward. If the engine is on, the blades stop to rotate automatically.

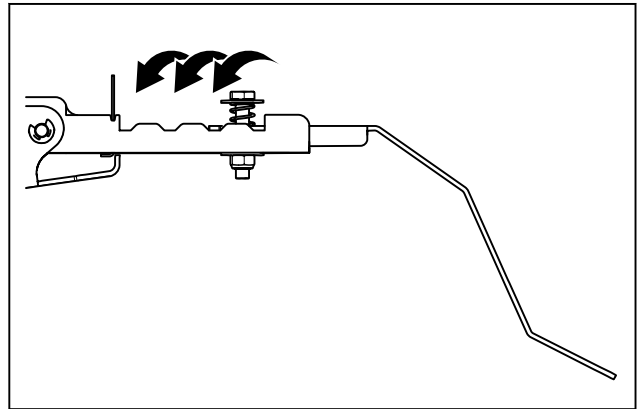


To lower the cutting deck to mowing position, press the lock button and move the lift lever forward. If the engine is running, the blades start to rotate automatically.



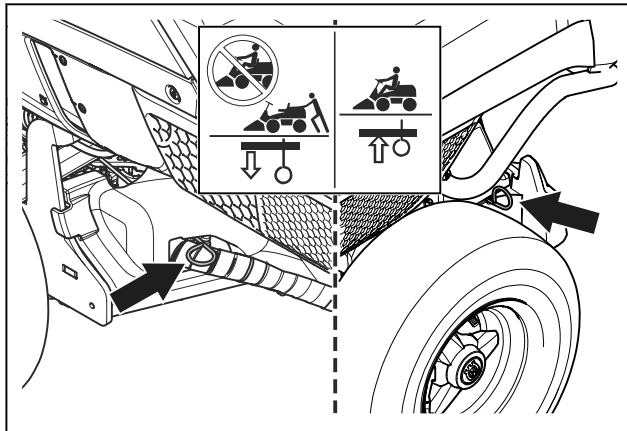
To adjust the sensor for collector full

If the hatch opens or the auger stops before the collector is full, it is necessary to adjust the sensor for collector full. There are 4 positions for the sensor for collector full.

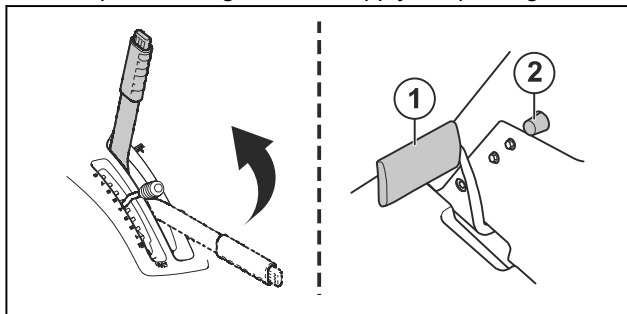


To start the engine

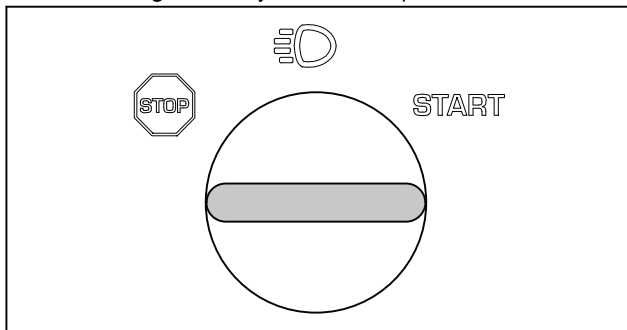
1. Make sure that the drive system is engaged, see *To engage and disengage the drive system on page 16*.



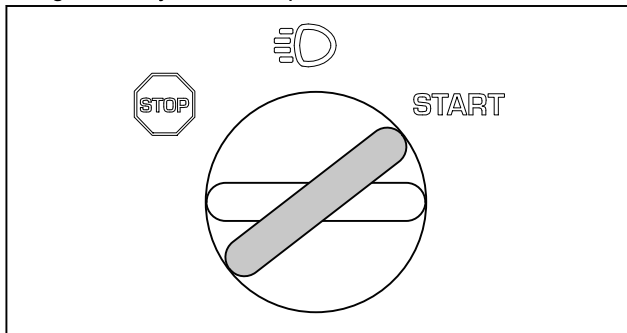
2. Lift up the cutting deck and apply the parking brake.



3. Turn the ignition key to the start position.

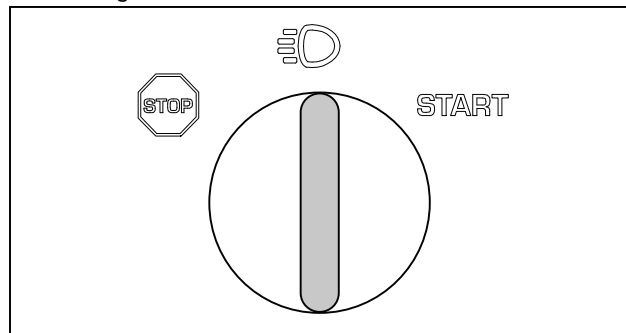


4. When the engine starts, immediately release the ignition key to neutral position.

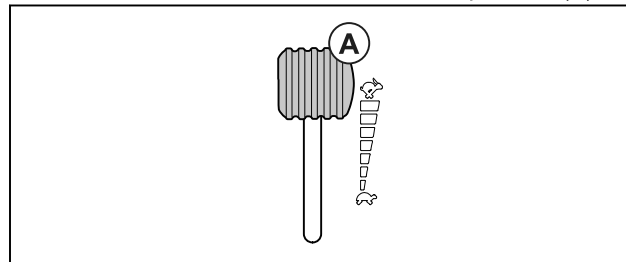


Note: Do not run the starter for more than 5 seconds at a time. If the engine does not start, wait 15 seconds before you try again.

5. Turn the key to the lights position to make the headlights come on.

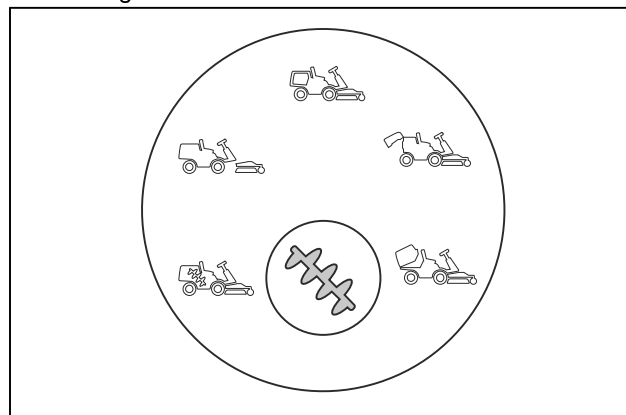


6. Push the throttle control to full throttle position (A).

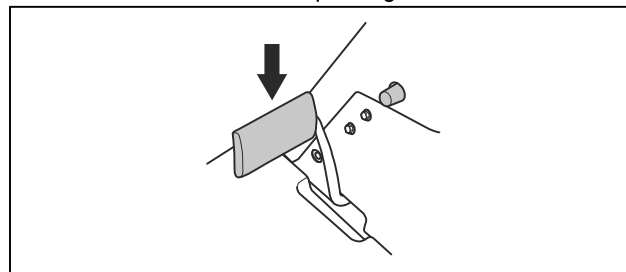


To use the product in collect mode

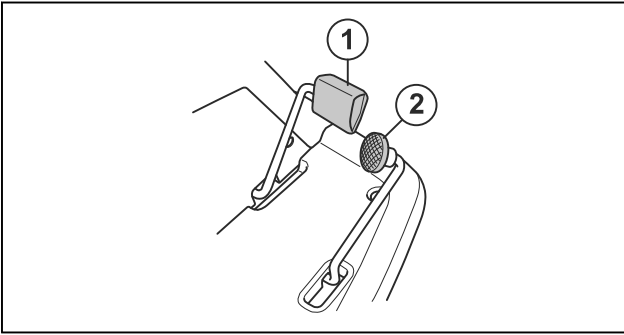
1. Start the engine.
2. Make sure that the symbol on the auger control button is green. This shows that the product is in collect mode. See *Auger control switch with LED indicators on page 5* for information on what to do if the symbols on the auger control switch lights up or the auger control button is red.



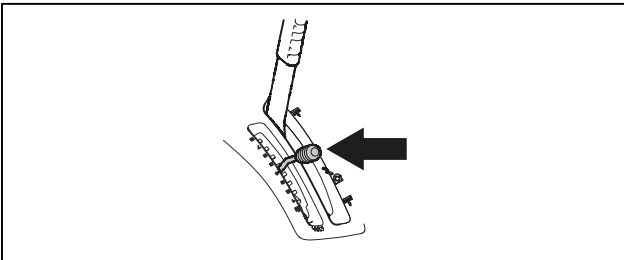
3. Press the parking brake pedal down and then release it to release the parking brake.



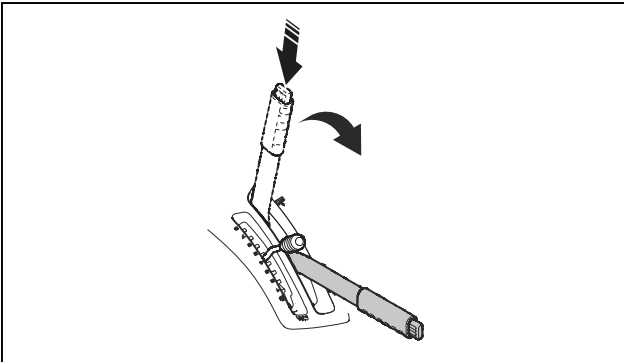
4. Carefully press down one of the speed pedals. The speed increases the more the pedal is pressed down. Use pedal (1) to move forward, and pedal (2) to reverse.



5. Release the pedal to brake. On model RC 318T, you can use the service brake/parking brake pedal to get more braking power. This can be necessary for example when you brake on a slope.
6. Select cutting height (1–8) with the cutting height lever.



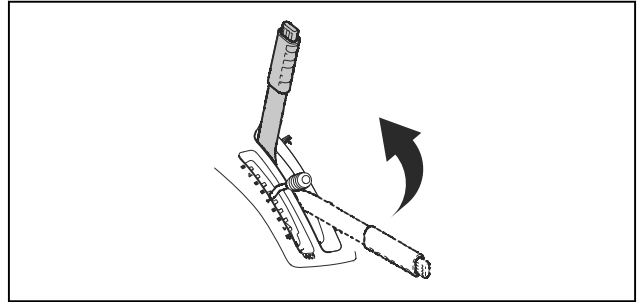
7. Press the lock button on the lift lever for the cutting deck and lower it to mowing position.



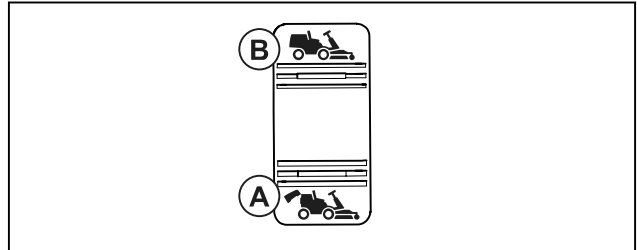
8. When the collector is full, a symbol (see *Auger control switch with LED indicators on page 5*) lights up in orange on the auger control switch and a beep is heard.

Note: The beep that sounds when the collector is full can be blocked out by the hearing protection. Look at the auger control switch regularly to not miss when the collector is full.

9. Set the lift lever for the cutting deck in locked position. The cutting deck lifts and the blades stop to rotate.



10. To empty the collector, press the rear part of the switch used to tilt the collector. The collector lifts. Hold the switch pressed until the hatch opens and the grass falls out.



11. Press the front part of the switch to lower the collector to operating position.

Note: If the collector is fully tilted or lowered and you continue to press the switch, a clattering sound is heard. This shows that the collector is at the end positions.

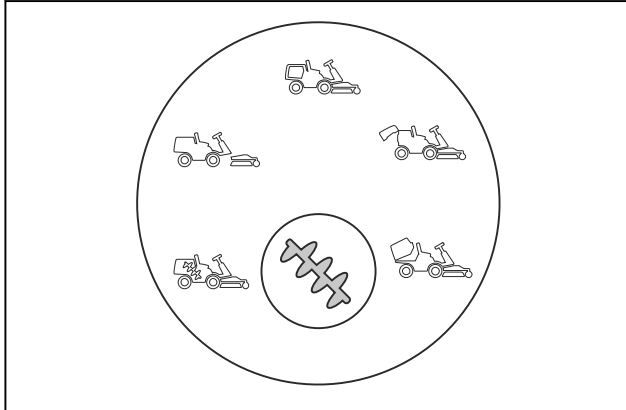


WARNING: Fingers can get crushed between the collector and the frame. Do not put your hand on the frame or the collector when the collector is lowered.

To use the product in non-collect mode

1. Start the engine.

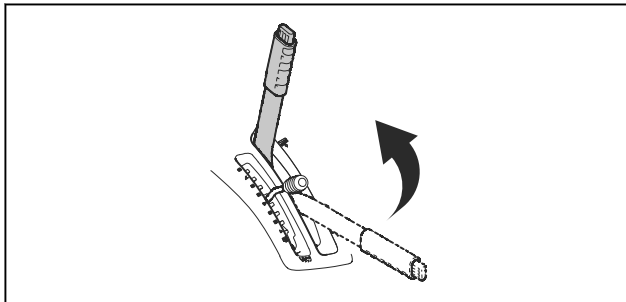
2. Make sure that the symbol on the auger control button is blue. This shows that the product is in non-collect mode. See *Auger control switch with LED indicators on page 5* for information on what to do if the symbols on the auger control switch lights up or the auger control button is red.



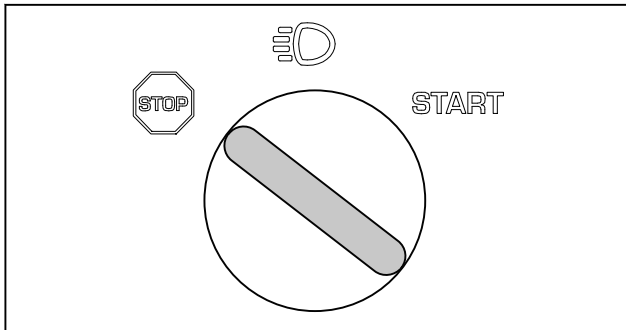
3. Do steps 4–8 in *To use the product in collect mode on page 17*.
4. When you start to mow, the grass is not collected.

To stop the engine

1. Pull the lift lever for the cutting deck rearward to its locked position to lift up the cutting deck. The blades stop to rotate.



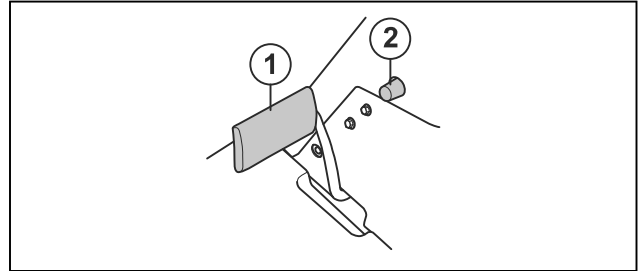
2. Turn the ignition key to the STOP position.



3. When the product stops, apply the parking brake.

To apply and release the parking brake

1. Press the parking brake pedal down (1).
2. Press and hold the lock button (2).



3. Keep the button pressed and release the parking brake pedal.
4. To release the parking brake, press the parking brake pedal again.

To get a good mowing result

- Do not mow a wet lawn. Wet grass gives inferior results.
- Start with a high cutting height and lower it gradually.
- Mow with blades that rotate at high speed (highest permitted engine speed, see). Move the product forward at low speed. If the grass is not too high and thick, you can get a good mowing result also at a higher speed.
- We recommend to use the product in collect mode. To get the best mowing result in non-collect mode, cut the grass frequently. To cut the grass frequently does not take more time. The grass is shorter and you can mow at a higher speed.
- The product can also be used to collect leaves on the lawn. Set a high cutting height and set the product in collect mode.

Maintenance

Introduction

Maintenance schedule



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

Operation before use
Make sure that there are no fuel or oil leaks.
Clean the product. Refer to <i>To clean the product on page 22.</i>
Clean the inner surfaces of the cutting deck. Refer to <i>To clean the product on page 22.</i>
Clean the engine and the muffler. Refer to <i>To clean the engine and the muffler on page 22.</i>
Make sure that the cold air intake of the engine is not blocked. Refer to <i>To clean the engine cooling air intake on page 23.</i>
Make sure that the safety devices are not damaged. Refer to <i>Safety devices on the product on page 9.</i>
Examine the blades in the cutting deck. Refer to <i>To examine the blades on page 30.</i>
Examine and do a test of the brakes. Refer to <i>Parking brake on page 10</i> and <i>To do a check of the forward drive pedal and rearward drive pedal on page 10.</i>
Do a check of the engine oil level. Refer to <i>To do a check of the engine oil level on page 31.</i>
Do a check of the transmission oil level. Refer to <i>To do a check of the transmission oil level on page 32.</i>
Do a check of the steering wires. Refer to <i>To examine the steering wires on page 25.</i>
Make sure that the high beam light and the work light operates correctly (if applicable). Refer to <i>Ignition lock on page 5.</i>

X = The instructions are given in the operator's manual.

O =The instructions are not given in the operator's manual. Let an Husqvarna servicing dealer do the maintenance.

Maintenance	First servicing	Maintenance interval in hours	
	50	100	200
Do a check of and clean hydraulic hoses and couplings. Replace if necessary.		O	
Do a check of the belts and pulleys.	O	O	
Do a check of the steering chain of the inner side of the frame tunnel.		O	
Do an inspection, lubricate and adjust all wires.		O	
Make sure that the tire pressure is correct. Refer to <i>To set the tire pressure on page 27.</i>	X	X	
Make sure that all screws and nuts are tightened with the correct torque.		O	
Lubricate the operators seat.		O	
Lubricate all chains.		O	

Maintenance	First servicing	Maintenance interval in hours	
	50	100	200
Lubricate the wheels and blade bearings on the cutting deck (if applicable).	O	O	
Lubricate the pedals on the inner side of the frame tunnel.		O	
Lubricate the belt tensioners		O	
Remove the drive wheels and lubricate the axels (for 200-300 series only)		O	
Do a check of the fuel hose. Replace if it is necessary.		O	
Replace the fuel filter. Refer to <i>To replace the fuel filter on page 25.</i>		X	
Clean the air filter. Refer to <i>To clean and change the air filter on page 26.</i>	X		
Replace the air filter. Refer to <i>To clean and change the air filter on page 26.</i>		X	
Do an inspection of the cooling fins on the hydrostatic transmission.		O	
Clean the engine and the hydrostatic transmission.		O	
Do a check of the muffler and the heat deflector.	O	O	
Replace the engine oil. Refer to <i>To change the engine oil and the oil filter on page 31.</i>	X ¹	X ²	
Replace the engine oil filter <i>To change the engine oil and the oil filter on page 31.</i>	X ³	X ⁴	
Replace the spark plug. Refer to <i>To examine and replace a spark plug on page 26.</i>		X	
Do a check on the lights (if applicable). Refer to <i>To replace a broken lamp on page 25.</i>	X	X	
Update the firmware (if applicable).	O	O	
Do a check of the battery and charge if it is necessary. Refer to <i>To charge the battery on page 27.</i>	X	X	
Do an inspection of and adjust the front and rear wheel rotation speed (for AWD models only).	O	O	
Replace the transmission filter (for AWD models only).	O		O
Replace the spin on filter for the servo (if applicable).	O		O
Do a check of the cooling fan on the hydrostatic transmission.	O	O	
Do a check of the oil in the transmission and fill if it is necessary. Refer to <i>To do a check of the transmission oil level on page 32.</i>		X	
Replace the oil in the transmission.	O		O
Examine and adjust the parking brake.	O	O	
Clean the outer and inner surfaces of the cutting deck and the cutting deck covers. Refer to <i>To clean the product on page 22.</i>	X	X	

1

50 hours or one year (first service only).

2

100 hours or one time each year.

3

50 hours or one year (first service only).

4

100 hours or one time each year.

Maintenance	First servicing	Maintenance interval in hours	
	50	100	200
Do a check of and adjust the cutting height and pitch setting. Refer to <i>To do a check of and adjust the cutting deck ground pressure on page 29</i> and <i>To do a check of the parallelism of the cutting deck on page 29</i> .	X	X	
Examine the blades in the cutting deck, sharp and balance if necessary. Refer to <i>To examine the blades on page 30</i> and <i>To examine the blades on page 30</i> .		X	
Do a check of and adjust the engine RPM.	O	O	
Make sure that the product does not move in neutral position. Refer to <i>To do a check of the forward drive pedal and rearward drive pedal on page 10</i> .	X	X	
Do a check of the forward drive and the rearward drive on different speeds.	O	O	
Do a check of the blade engagement, seat, lift and forward drive/brake. Refer to <i>Safety devices on the product on page 9</i> .	X	X	
Do an inspection of the collection system (for collection models only).	X	X	

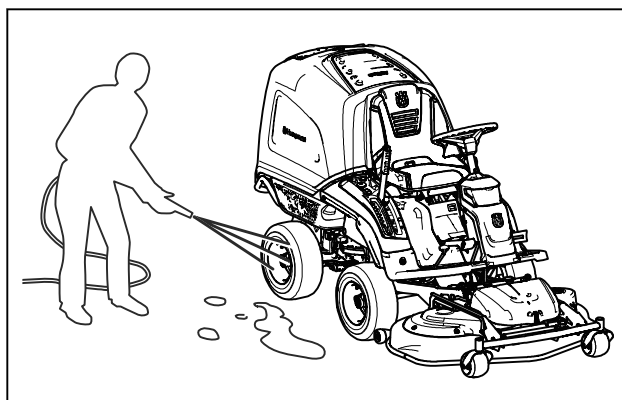
To clean the product



CAUTION: Do not use a high pressure washer or a steam cleaner. Water can go into bearings and electrical connections and cause corrosion which cause damage to the product.

Clean the product directly after use.

- Before you stop the engine, let the auger run empty for 10 seconds to clear it from remaining grass.
- Do not clean hot surfaces such as the engine, muffler and exhaust system. Wait until the surfaces are cool, then remove the grass or dirt.
- Before you clean with water, use a brush to remove grass cuttings and dirt from on and around the transmission, the transmission air intake, and the engine.
- Use running water to clean the product. Do not use a high pressure.
- Do not point the jet at electrical components or bearings. Cleaning additives usually increase the damage.
- To clean the cutting deck, put it in the servicing position and hose it down with water.
- Hose down the inner surface of the collector with water.
- Clean the auger in- and outlets.
- When the product is clean, start the product for a short period to blow off remaining water.



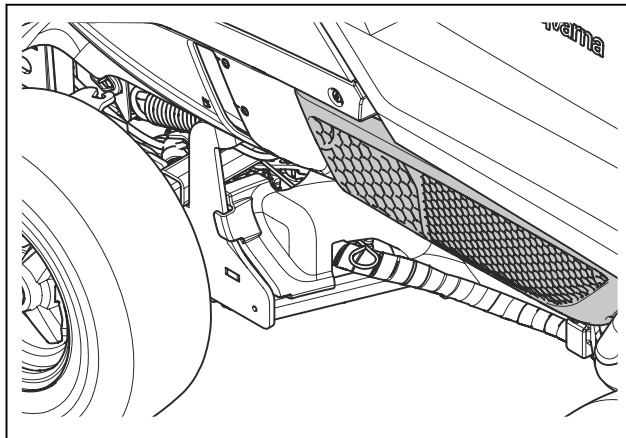
To clean the engine and the muffler

Keep the engine and muffler free from grass cuttings and dirt. Grass cuttings soaked in fuel or oil on the engine can increase the fire risk and the risk that the engine becomes too hot. Let the engine cool before it is cleaned. Clean with water and a brush.

Grass cuttings around the muffler dry quickly and are a fire risk. Use a brush or remove the grass cuttings with water when the muffler is cold.

To clean the engine cooling air intake

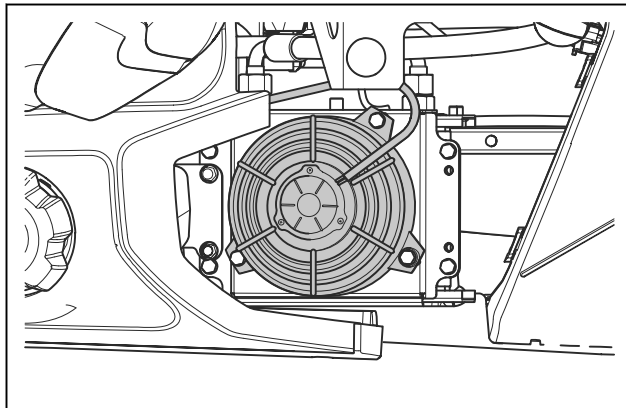
Make sure that the engine cooling air intake is not blocked. Remove grass and dirt with a brush.



To clean the hydraulic oil cooler

Only for RC 320Ts AWD.

Make sure that the hydraulic oil cooling fan is not blocked and that the area around the hydraulic oil cooler is clean. Remove grass and dirt with a brush.

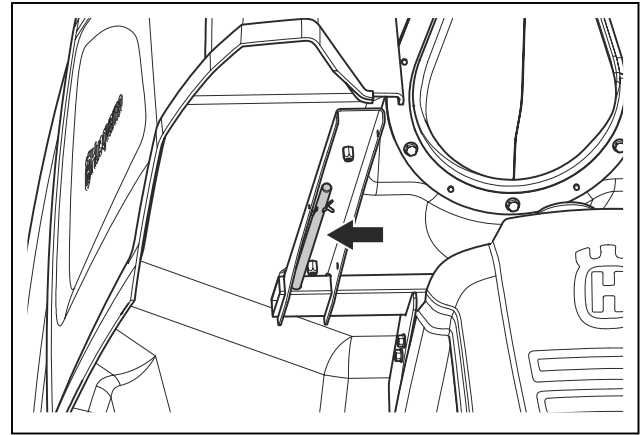


To remove blockage from the auger

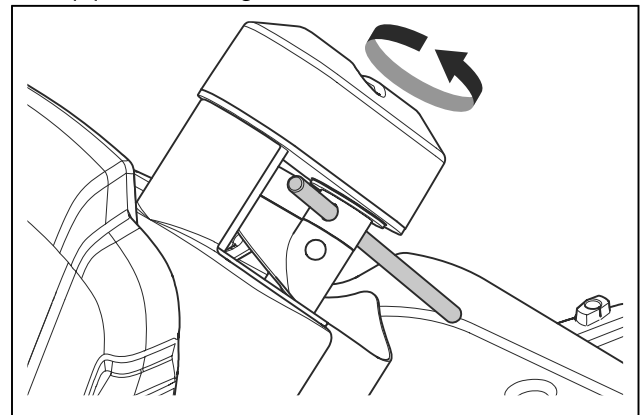
If the symbol on the auger button is red and the product beeps continuously, the auger is blocked. The blockage must be manually removed.

1. Tilt the collector.

2. Pull the auger maintenance tool loose from the bottom of the collector.



3. Put the auger maintenance tool into the hole at the top part of the auger.



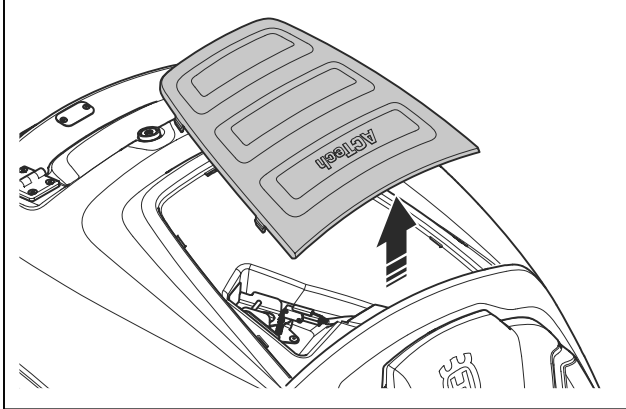
4. Hold the auger maintenance tool and turn the auger counterclockwise 5 full turns. The cause of the blockage is sent down and out of the auger.
5. Pull the auger maintenance tool out and put it back into the holder on the bottom of the collector.
6. Lower the collector to operating position and start the engine.
7. If the symbol on the auger button is red and the product beeps when the engine starts, stop the engine.
8. Put the cutting deck in servicing position and manually remove blockage from the auger inlet.
9. Put the cutting deck in mowing position and start the engine.
10. If the symbol on the auger button is red and the product beeps when the engine starts, stop the engine.
11. Let an authorized service agent help you.

Note: When the blockage is removed, the product starts in non-collect mode and you must select collect mode again.

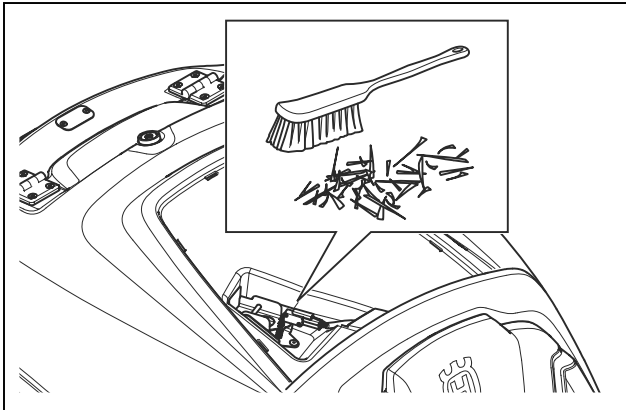
To clean around the sensor for collector full

After many hours of operation, grass can collect around the sensor for collector full. If the auger control switch does not identify when the collector is full, it is necessary to clean around the sensor.

1. Open the collector hatch.
2. Loosen the cover clips on the inner top surface of the collector.
3. Remove the cover on top of the collector.



4. Remove grass from around the sensor for collector full with your hand or a brush.



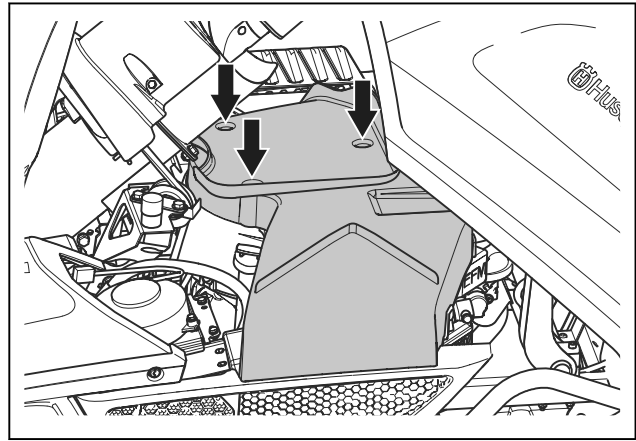
5. Put the cover back. First put in the front end of the cover and then push the cover down until it clicks into position.

Note: Speak to a service agent if the problem continues also when the sensor for collector full is clean.

To remove the covers

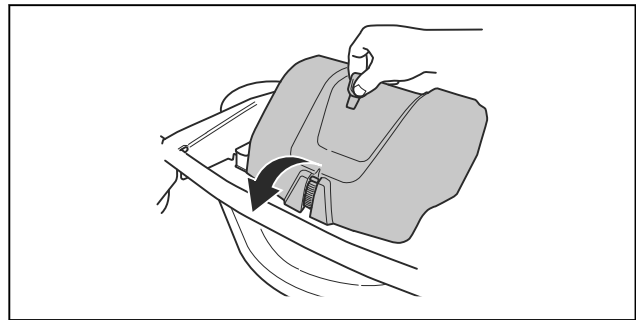
Engine cover

Tilt the collector to access the engine cover, remove the 3 screws and lift off the cover.



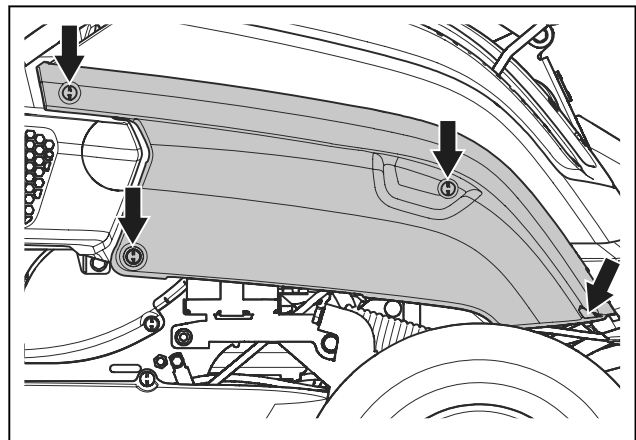
Front cover

Release the clip on the front cover with the tool attached to the ignition key, and lift off the cover.



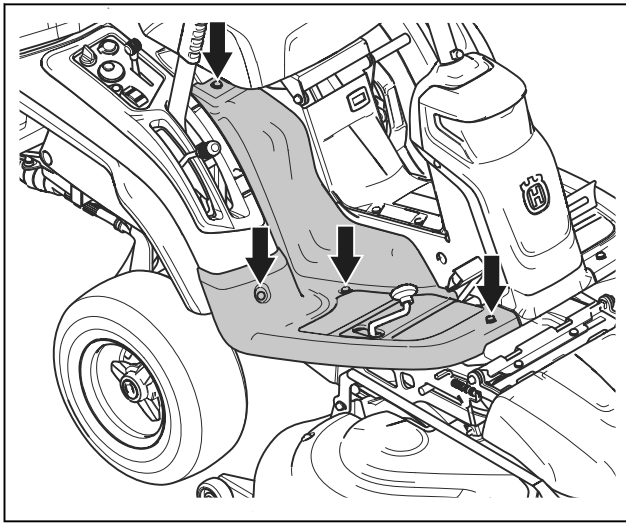
To remove and install the right side cover

Remove the 4 screws and lift off the cover.



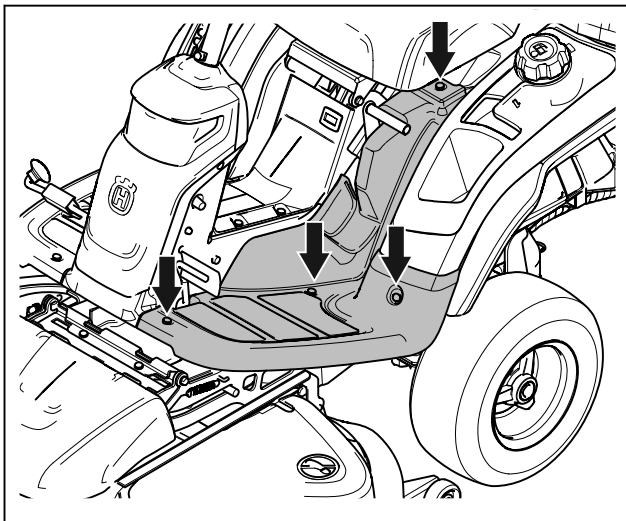
Right footrest plate

Turn the knob on the reverse pedal to remove it.
Remove the 4 screws and remove the footrest plate.



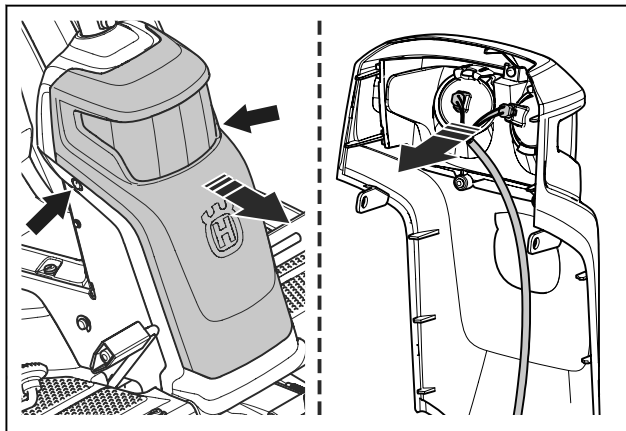
Left footrest plate

Remove the 4 screws and remove the footrest plate.



To replace a broken lamp

1. Remove the 2 screws on the cover and lift it off.



2. Disconnect the cables from the broken lamp.

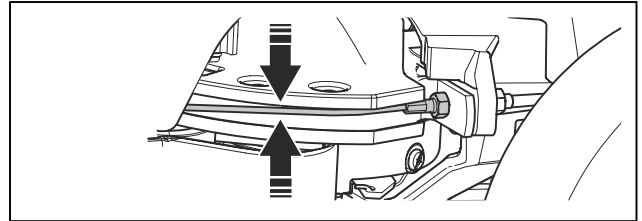
3. Replace the lamp and connect the cables to the new lamp. Use the type of lamp as given in *Technical data on page 37*.
4. Attach the cover and tighten the screws.

To examine the steering wires

The tension of the steering wires can decrease after a period of time. This causes the adjustment of the steering to change.

Examine and adjust the steering as follows:

1. The steering wires are correctly tightened if you can manually move them 5 mm up or down in the groove on the steering collar.



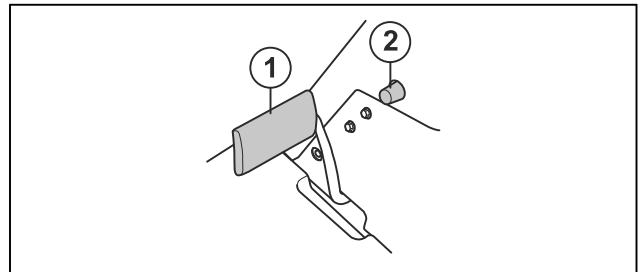
2. If the wires are too loose, let an Husqvarna servicing dealer adjust them.

To do a check of the parking brake

1. Park the product on a hard surface that slopes maximum 10°.

Note: Do not park the product on a grass slope when you do a check of the parking brake.

2. Press the parking brake pedal down (1).
3. Press and hold the lock button (2) and release the parking brake pedal while the button is pressed.

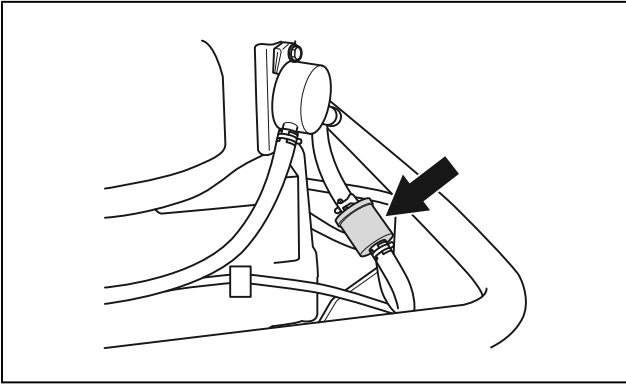


4. If the product starts to move, let an Husqvarna servicing dealer adjust the parking brake.
5. Press the parking brake pedal again to release the parking brake.

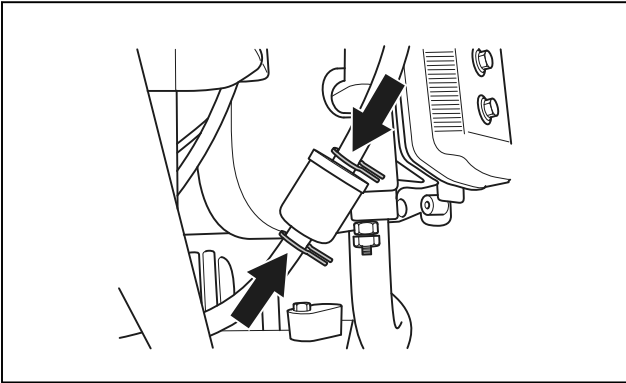
To replace the fuel filter

1. Tilt the collector to access the fuel filter.
2. Use a pair of flat pliers to move the hose clips away from the filter.

3. Pull off the filter from the hose ends.

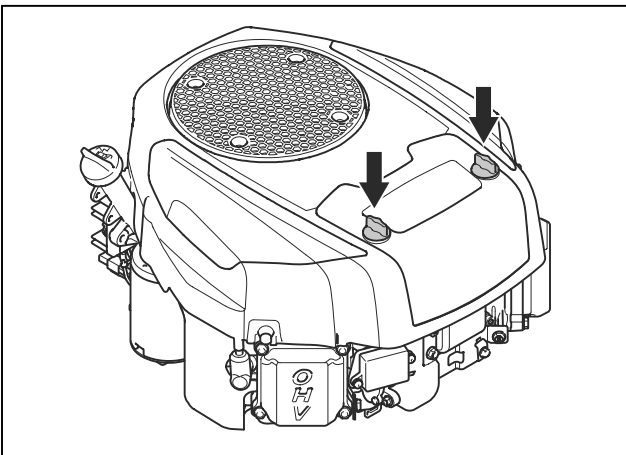


4. Press the new filter into the ends of the hoses. Apply liquid detergent to the ends of the filter to make the connection easier.
5. Push the hose clips against the filter.

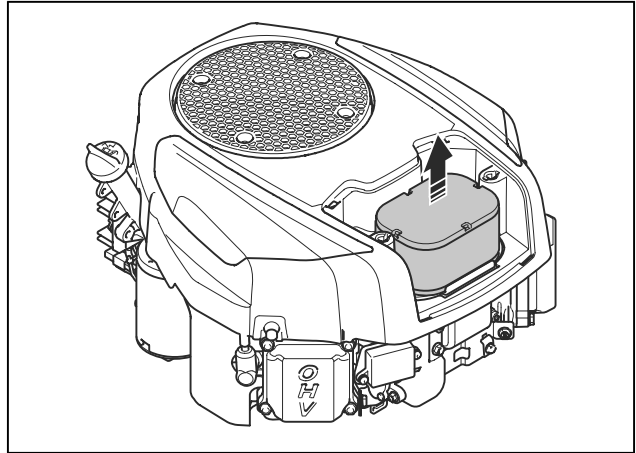


To clean and change the air filter

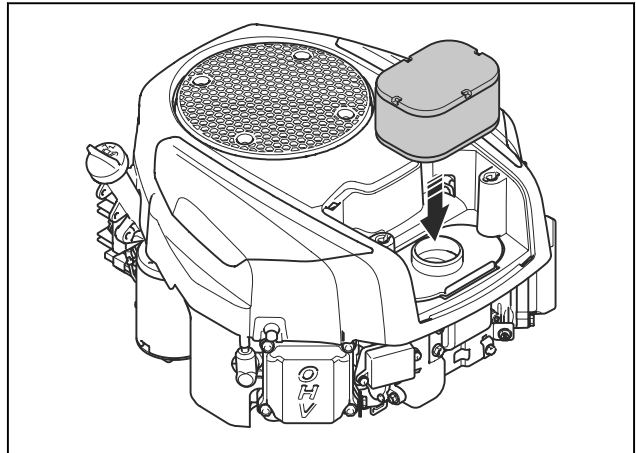
1. Open the engine cover.
2. Loosen the knobs that hold the filter cover and lift off the cover.



3. Lift the air filter to remove it.



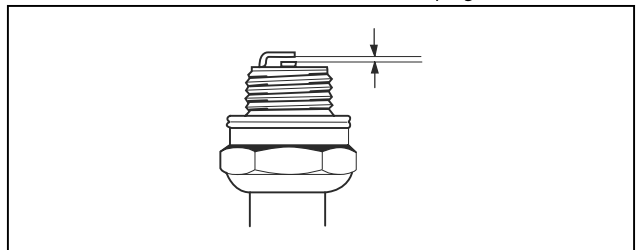
4. Hit the paper filter against a hard surface to clean it. Do not use compressed air.
5. If the paper filter does not become clean, replace it.
6. Attach the air filter.



7. Attach the air filter cover and tighten the knobs.

To examine and replace a spark plug

1. Open the engine cover.
2. Remove the spark plug cap and clean around the spark plug.
3. Remove the spark plug with a spark plug wrench.
4. Examine the spark plug. Replace it if the electrodes are burned or if the insulation has cracks or damages. If the spark plug is not damaged, clean it with a steel brush.
5. Measure the electrode gap and make sure that it is correct. Refer to *Technical data on page 37*.



6. Bend the side electrode to adjust the electrode gap.

7. Put the spark plug back in and turn it by hand until it touches the spark plug seat.
8. Tighten the spark plug with the spark plug wrench until the washer is compressed.
9. Tighten a used spark plug $\frac{1}{8}$ of a turn more, and a new spark plug $\frac{1}{4}$ turn more.



CAUTION: Spark plugs that are not tightened correctly can cause damage to the engine.

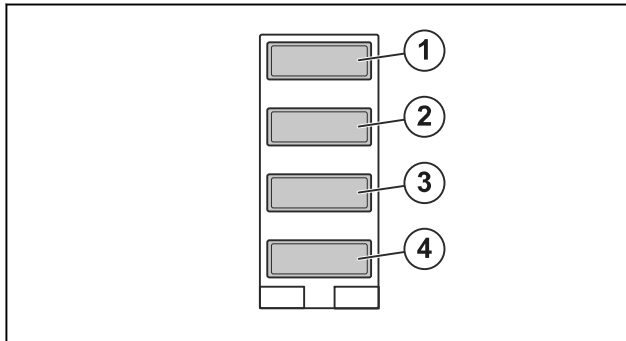
10. Attach the spark plug cap.



CAUTION: Do not try to start the engine if the spark plug or ignition cable is removed.

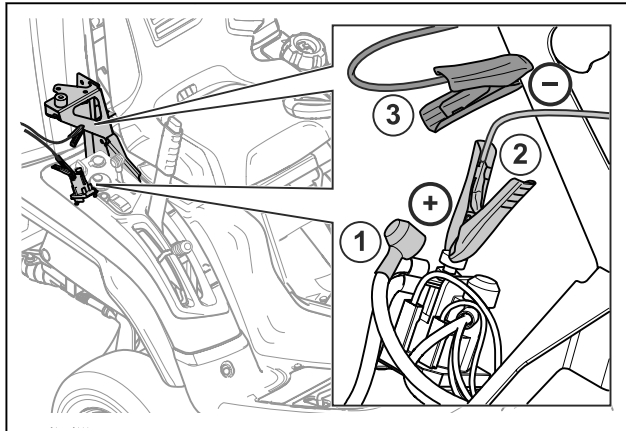
To replace a fuse

1. Remove the right side cover. Refer to *To remove and install the right side cover on page 24*.
2. Replace the blown fuse with a new one. Refer to the illustration. (1) Ignition, 15A. (2) Auger control, 7.5A. (3) Actuator, 30A. (4) Power outlet 12V, 7.5A.



To charge the battery

1. Tilt the seat forward.
2. Remove the rubber cap (1) from the solenoid that is connected to the red cable from the battery.
3. Connect the red cable (+) from the battery charger to the solenoid (2).



CAUTION: To prevent short circuit, make sure that the red cable from the battery charger is connected to the correct solenoid.

4. Connect the black cable (-) from the battery charger to a zinked metal part as shown in the illustration (3).



WARNING: The battery and electrical system can become damaged and cause injuries if incorrect type of charger is used. Use only the lithium charger specified by Husqvarna for this type of battery (LiFePO₄).

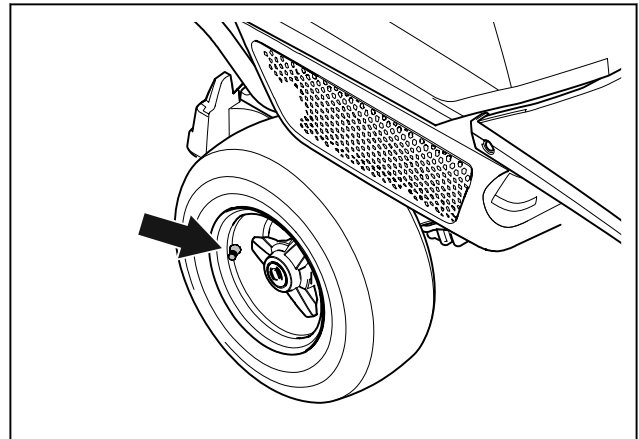
5. Start the battery charger.

Note: If the battery voltage is too low the battery goes into protective mode. The battery charger can not sense the battery and does not charge. If this occurs, press and hold the reset button on the battery charger for 10 seconds until it starts to charge. Read more in the instructions that are supplied with the battery charger.

6. When the battery is charged, stop the charger and disconnect it from the battery.
7. Put the rubber cap (1) back on the solenoid.

To set the tire pressure

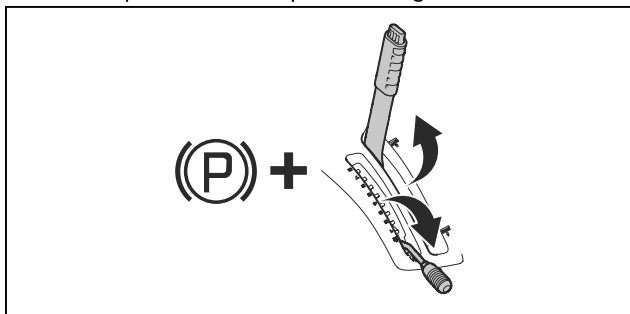
The correct tire pressure is 150 kPa (1.5 bar / 21.8 PSI) on all 4 tires.



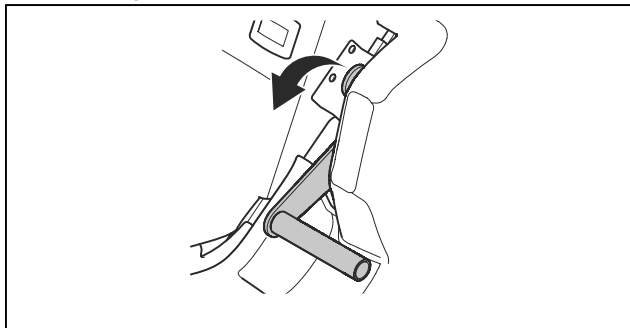
To put the cutting deck in servicing position

1. Park the product on level ground.
2. Apply the parking brake.
3. Set the cutting height lever in the servicing position.

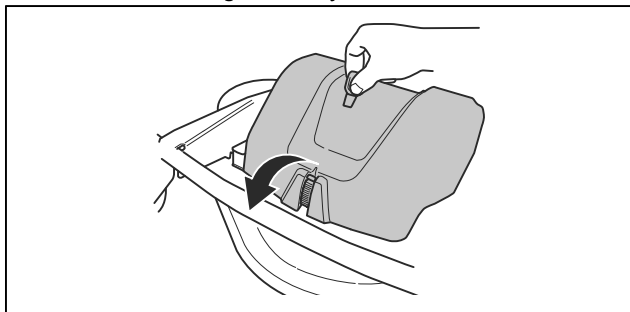
4. Pull the lift lever for the cutting deck rearward to its locked position to lift up the cutting deck.



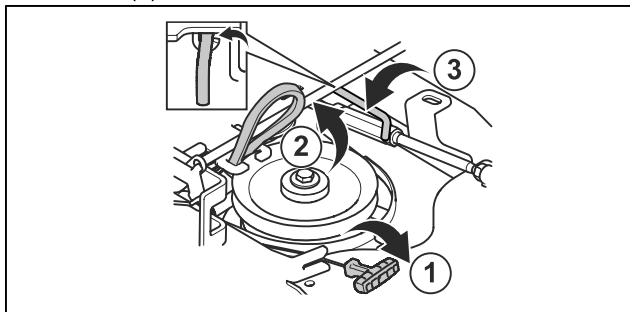
5. Lower the auger control lever to lift the auger to servicing position.



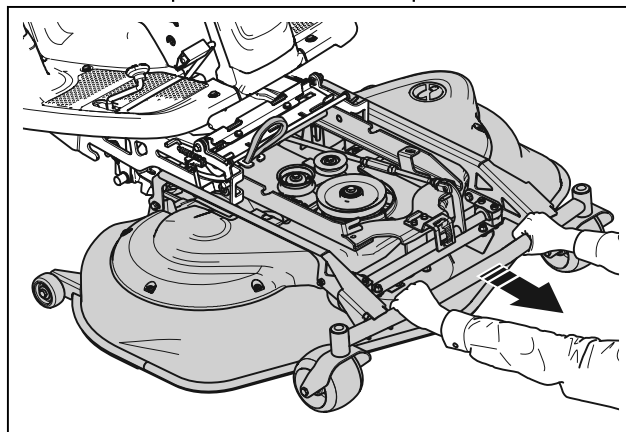
6. Release the clip on the front cover with the tool attached to the ignition key, and lift off the cover.



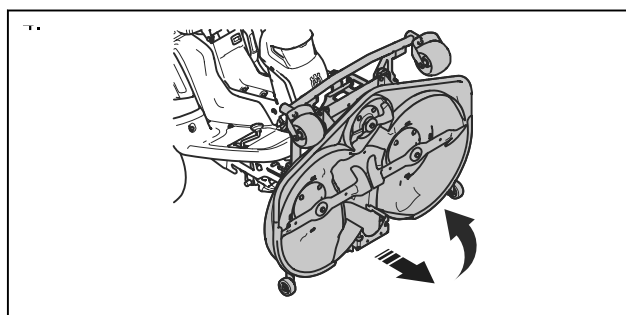
7. Pull the spring handle (1) to the right out from the spring holder to loosen the drive belt tension.
8. Hold the spring handle with your left hand and lift off the drive belt with your right hand.
9. Put the drive belt in the belt holder (2).
10. Put the spring handle in the spring holder to prevent that the spring falls down.
11. Lift the cutting height stay and put it in the stay holder. (3)



12. Hold the front edge of the cutting deck with two hands and pull forward until it stops.

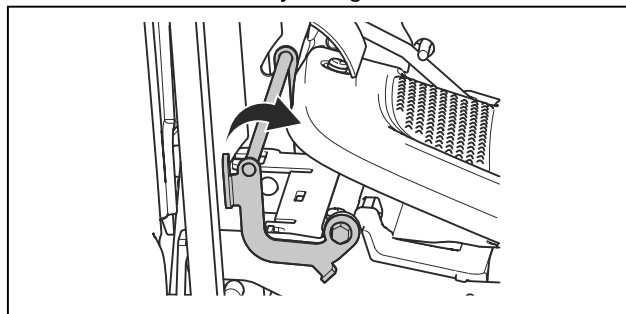


13. Lift the cutting deck to vertical position until a click sound is heard. The cutting deck is locked automatically in the vertical position.

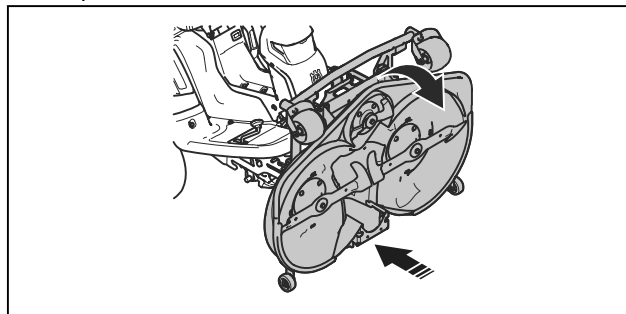


To put the cutting deck in mow position

1. Hold the front edge of the cutting deck with your left hand.
2. Loosen the lock with your right hand.



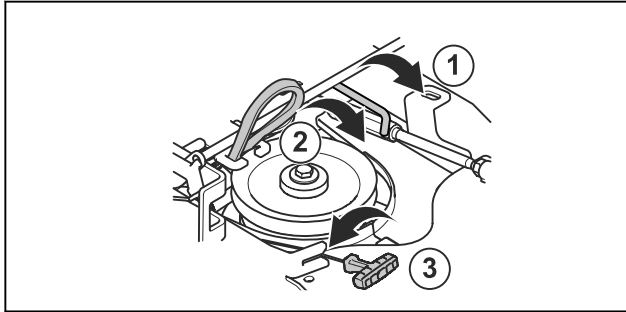
3. Fold down the cutting deck and push it in until it stops.



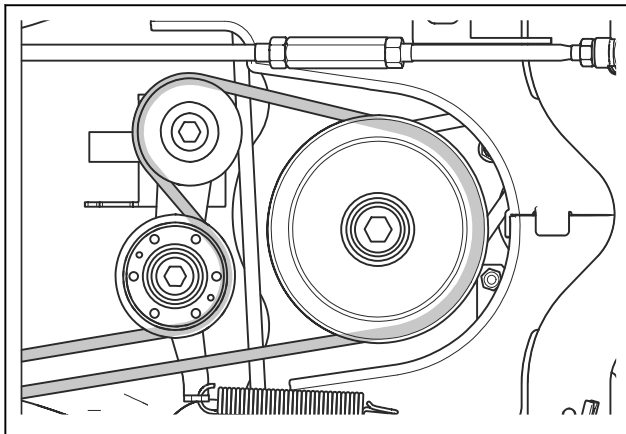


CAUTION: The drive belt can get caught below the cutting deck. Pull on the drive belt loop in the belt holder before you push the cutting deck in.

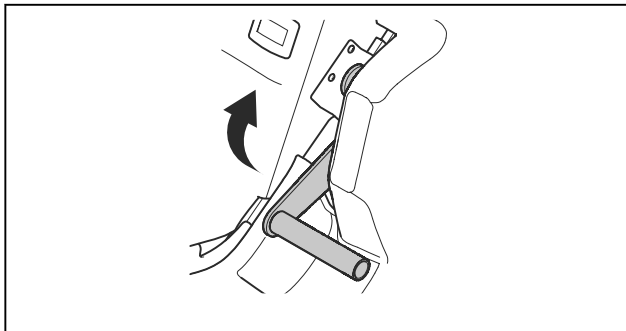
4. Lift the cutting height stay from the stay holder and put it in the hole (1).



5. Hold the spring handle and lift the drive belt out of the holder.
6. Put the drive belt around the tension wheel (2). Make sure the drive belt runs as shown in the illustration.



7. Put the spring in the spring holder (3).
8. Pull the auger servicing position lever up into operation position.

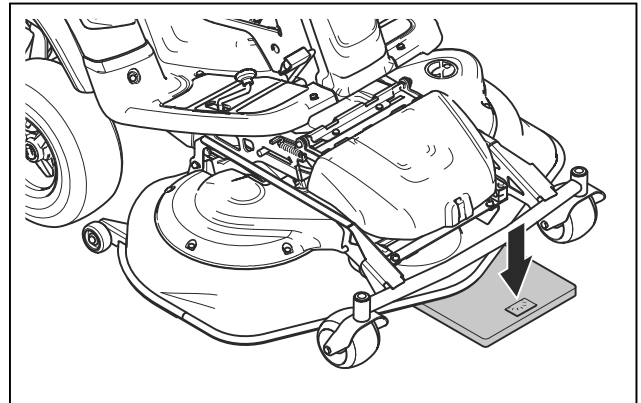


9. Attach the front cover.
10. Set the cutting height lever in one of the positions 1-8.

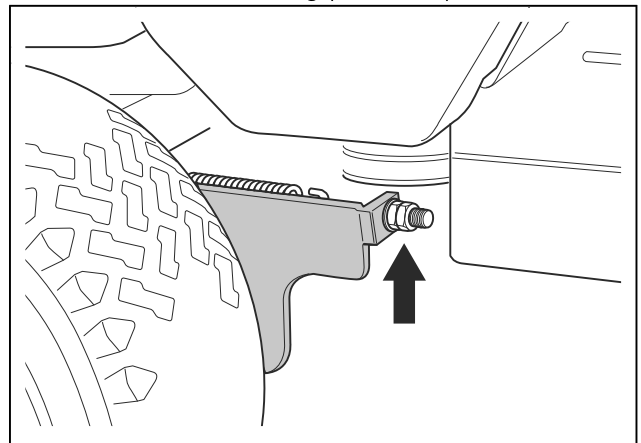
To do a check of and adjust the cutting deck ground pressure

To get the best mowing results it is important to have correct pressure from the cutting deck on the underlying surface.

1. Make sure that the air pressure in the tires is 150 kPa (1.5 bar / 21.8 PSI).
2. Park the product on a level surface.
3. Lower the cutting deck to mowing position.
4. Put a set of bathroom scales below the front edge of the cutting deck.



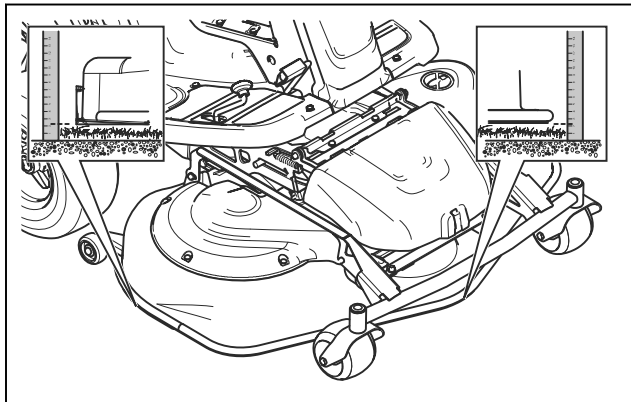
5. To make sure the support wheels do not bear weight, put a block between the frame and the scales.
6. To adjust the ground pressure, turn the adjustment screws found behind the front wheels on the right and left sides.
7. Turn the screws right or left until the ground pressure is between 12 and 15 kg (26.5-33 lb).



To do a check of the parallelism of the cutting deck

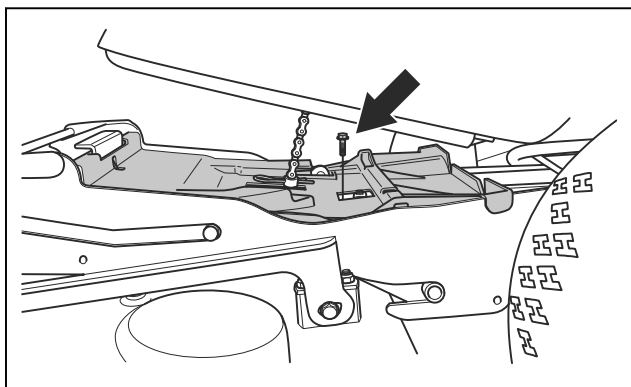
1. Make sure that the air pressure in the tires is 150 kPa (1.5 bar / 21.8 PSI).
2. Park the product on a level surface.
3. Lower the cutting deck to mowing position.
4. Set the cutting height lever to the middle position.

5. Measure the distance between the ground and the front and rear edges of the cutting deck and make sure that the rear edge is 4–6 mm (1/5") higher than the front edge.

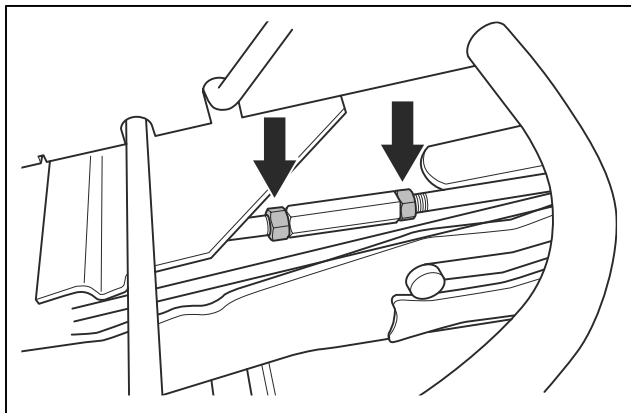


To adjust the parallelism of the cutting deck

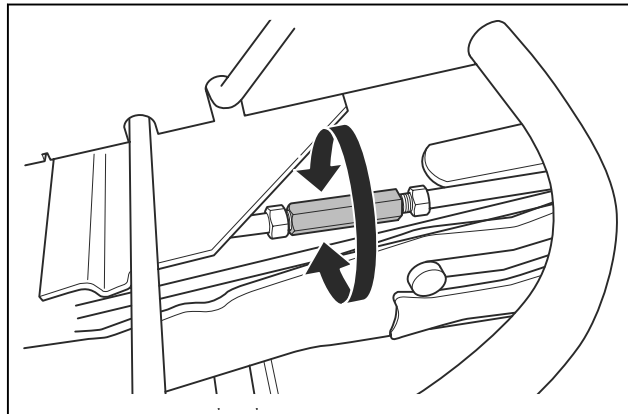
1. Remove the front cover and the right footrest plate.
2. Remove the screws that hold the belt shield and remove the belt shield.



3. Loosen the nuts on the lift strut.



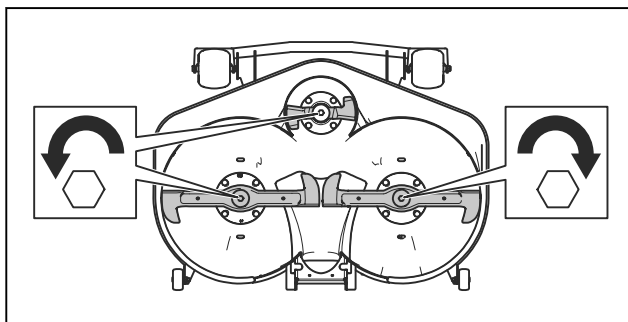
4. Turn the lift strut to extend the stay or make it shorter. Extend the stay to lift the rear edge of the cover. Make the stay shorter to lower the rear edge of the cover.



5. Tighten the nuts on the lift strut when the adjustment is done.
6. Do a check of the parallelism. Refer to *To do a check of the parallelism of the cutting deck on page 29*.
7. Attach the belt shield and tighten the screws.
8. Attach the right footrest plate and the front cover.

To examine the blades

Put the cutting deck in servicing position. Look at the blades to see if they are damaged and if it is necessary to sharpen them. Tighten the blade bolts with tightening torque 60 Nm, in the direction of the arrows in the illustration.



CAUTION: Damaged or incorrectly balanced blades cause unbalance that can damage the product. Replace damaged blades. Let an authorized service agent help you sharpen and balance blunt blades.

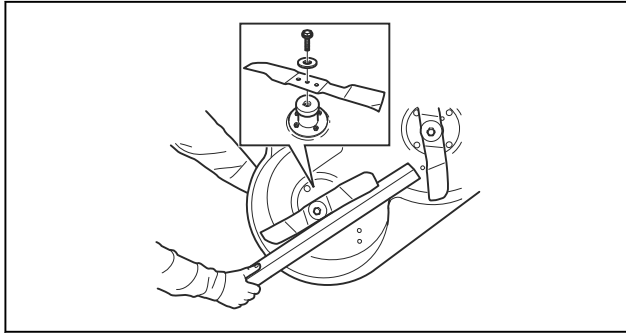
To replace the blades



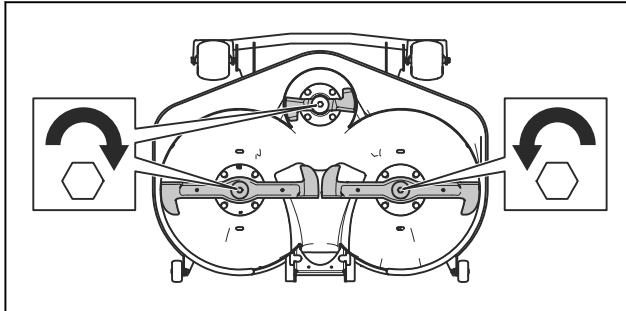
CAUTION: The bolt heads can be damaged if you try to loosen them in the incorrect direction.

1. Put the cutting deck in servicing position.

2. Lock the blade with a wooden block.



3. Loosen and remove the blade bolt, the washers and the blade. Loosen the blade bolts in the direction of the arrows in the illustration.



4. Assemble the new blade with the angled ends in the direction of the cutting deck.

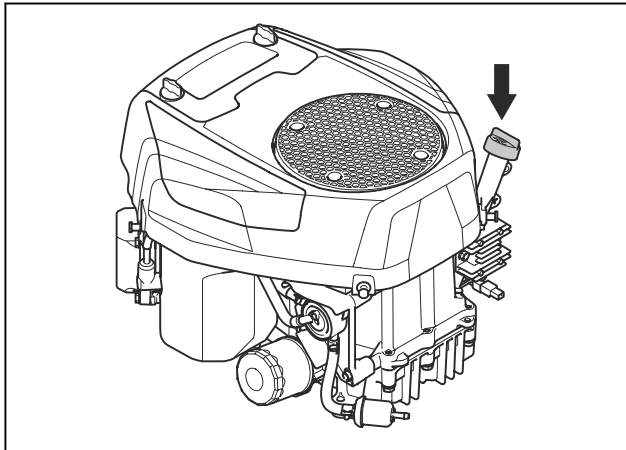


WARNING: Incorrect blade type can cause objects to eject from the cutting deck and cause serious injury. Use only the blades given in *Technical data on page 37*.

5. Attach the blade with the washer and the bolt with tightening torque 60 Nm.

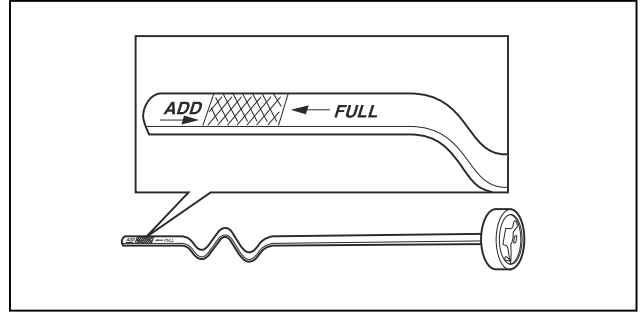
To do a check of the engine oil level

1. Park the product on level ground and stop the engine.
2. Open the engine cover.
3. Loosen the dipstick and pull it out.

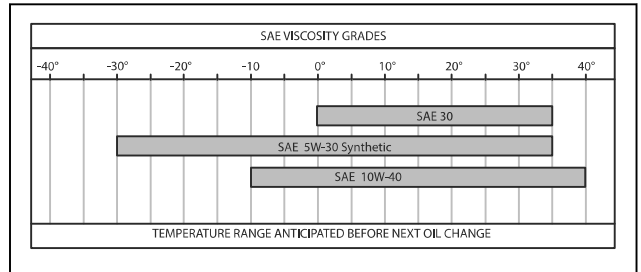


4. Clean the oil from the dipstick.
5. Put the dipstick back in and tighten it.

6. Loosen and pull the dipstick out and read the oil level.
7. The oil level must be between the marks on the dipstick. If the level is near the ADD mark, fill oil to the FULL mark.



8. Fill the oil through the hole that the dipstick sits in. Fill the oil slowly.



Note: Refer to *Technical data on page 37* for the types of engine oil that we recommend.

9. Tighten the dipstick correctly before you start the engine. Start and idle the engine for approximately 30 seconds. Stop the engine. Wait 30 seconds and do a check of the oil level again.

To change the engine oil and the oil filter

If the engine is cold, start the engine for 1–2 minutes before you drain the engine oil. This makes the engine oil warm and easier to drain.

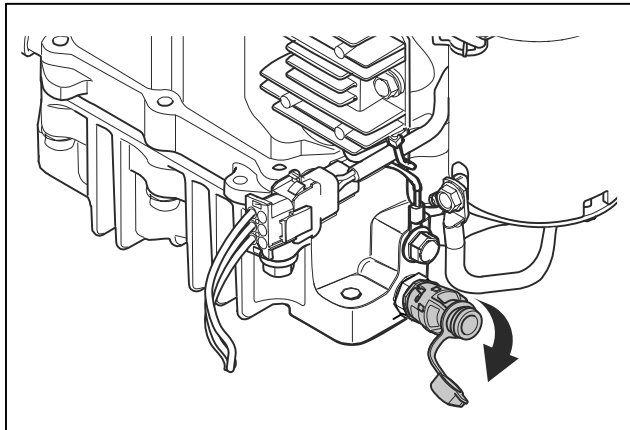


WARNING: Do not operate the engine for more than 1–2 minutes before you drain the engine oil. The engine oil becomes very hot and can cause burn injuries. Let the engine become cool before you drain the engine oil.

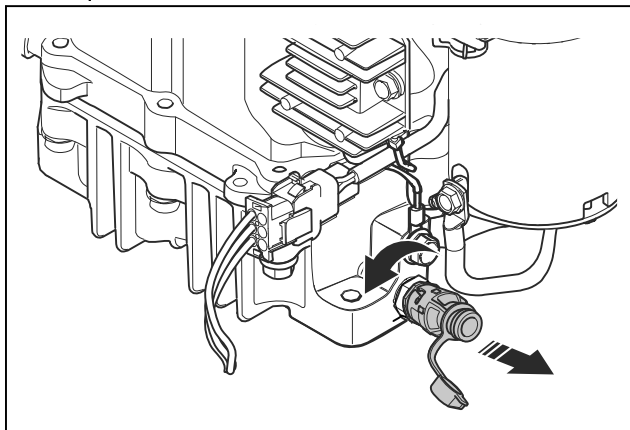


WARNING: If you spill engine oil on your body, clean with soap and water.

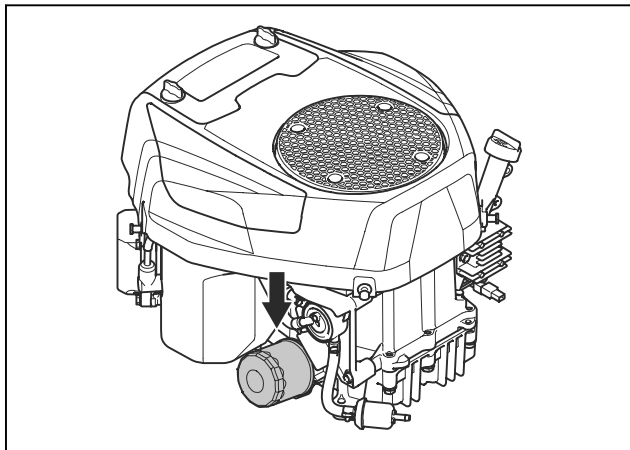
1. Open the plastic cap on the end of the oil drain plug.



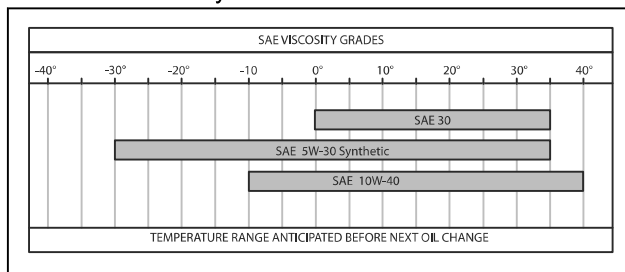
2. To make it easier to drain the oil without spill, attach for example a plastic hose to the end of the oil drain plug.
3. Put a container below the oil drain plug.
4. Remove the dipstick.
5. Turn the oil drain plug counterclockwise and pull out to open it.



6. Let the oil run out into the container.
7. Push the oil drain plug in and turn it clockwise to close it.
8. Remove the plastic hose and put the cap on the oil drain plug back.
9. Turn the oil filter counterclockwise to remove it.



10. Lightly lubricate the rubber seal on the new oil filter with new oil.
11. To attach the oil filter, turn it clockwise by hand until the rubber seal is in position, then tighten a half turn more.
12. Fill the oil through the hole that the dipstick sits in. Fill the oil slowly.



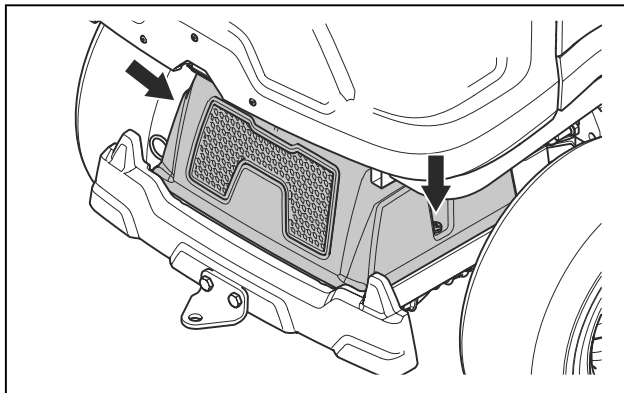
Note: Refer to *Technical data on page 37* for the types of engine oil that we recommend.

13. Start the engine and let it idle for 3 minutes.
14. Stop the engine and make sure that the oil filter does not leak.
15. Fill with oil to compensate for the oil held in the new oil filter.

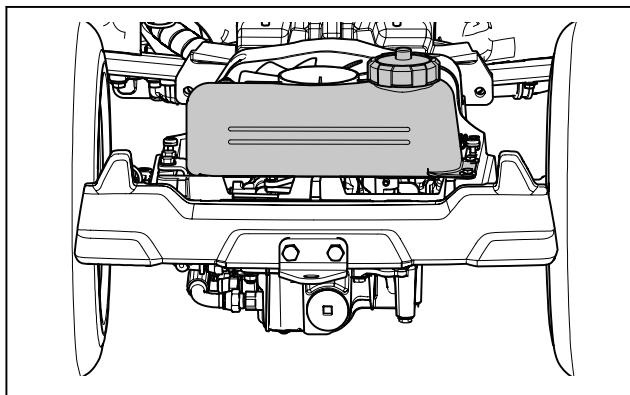
Note: For safe disposal of used engine oil, refer to *Disposal on page 36*.

To do a check of the transmission oil level

1. Remove the two screws, one on each side, and lift off the transmission cover.

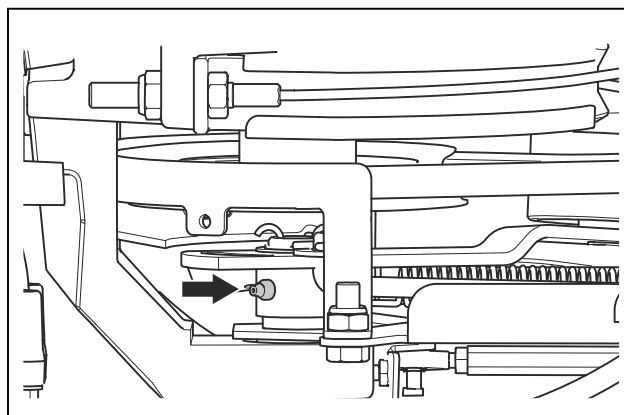


2. Make sure that the oil level in the transmission oil tank is between the two horizontal lines on the tank.



3. Fill with engine oil if the oil level is below the lower line, but do not fill above the top line. See for recommended oil for RC 318T and RC 320Ts AWD. RC 320Ts AWD must have a synthetic oil.

2. Lubricate with a grease gun, 1 nipple from the right side below the lower belt pulley, until grease is forced out.

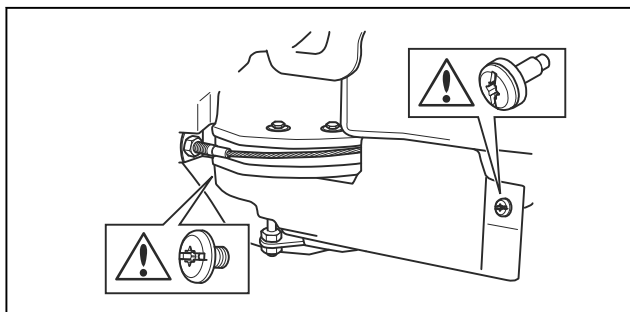


3. Attach the belt shield and tighten the 2 screws.

To lubricate the belt adjuster

The belt adjuster must be lubricated regularly with a good quality molybdenum disulphide grease.

1. Remove the 2 screws that hold the belt shield and lift it off.



Troubleshooting

Troubleshooting schedule

If you cannot find a solution to your problems in this owner's manual, speak to your Husqvarna servicing dealer.

Problem	Cause
The starter motor does not turn the engine over	The parking brake is not applied. See <i>Safety circuit on page 10</i> .
	The lift lever for the cutting deck is in mowing position. See <i>Safety circuit on page 10</i> .
	The main fuse is blown. See <i>To replace a fuse on page 27</i> .
	The ignition lock is defective.
	The connection between the cable and the battery is bad. See <i>Battery safety on page 12</i> .
	The battery is too weak. See <i>To charge the battery on page 27</i> .
	The starter motor is damaged.
The engine does not start when the start motor turns the engine over	There is no fuel in the fuel tank. See <i>To fill fuel on page 15</i> .
	The spark plug is damaged.
	The ignition cable is damaged.
	There is dirt in the carburettor or fuel line.
The engine does not run smoothly	The spark plug is damaged.
	The carburettor is incorrectly set.
	The air filter is clogged. See <i>To clean and change the air filter on page 26</i> .
	The fuel tank vent is blocked.
	There is dirt in the carburetor or fuel line.
The engine apparently has no power	The air filter is clogged. See <i>To clean and change the air filter on page 26</i> .
	The spark plug is damaged.
	There is dirt in the carburetor or fuel line.
	The throttle cable is incorrectly adjusted.
The transmission does not have sufficient power	The transmission cooling air intake or the cooling flanges are blocked.
	The fan on the transmission is damaged.
	The hydraulic oil cooling fan (RC 320Ts AWD only) is blocked. See <i>To clean the hydraulic oil cooler on page 23</i> .
	The hydraulic oil cooling fan (RC 320Ts AWD only) is damaged.
	There is no oil in the transmission or the oil level is too low. See <i>To do a check of the transmission oil level on page 32</i> .
The battery does not charge	The battery is damaged. See <i>Battery safety on page 12</i> .
	The connection at the cable connectors on the battery terminals is bad. See <i>Battery safety on page 12</i> .
	The battery is in protective mode. See <i>To charge the battery on page 27</i> .

Problem	Cause
There is vibration in the product	The collector is full. The operator has ignored the collector full signal or the sensor for collector full is set in the incorrect position. See <i>To adjust the sensor for collector full on page 16</i> .
	The product is operated in long, thick and/or wet grass in non-collect mode. See <i>To get a good mowing result on page 19</i> .
	The blades are loose. See <i>To examine the blades on page 30</i> .
	One or more of the blades are unbalanced. See <i>To examine the blades on page 30</i> .
	The auger is damaged.
	The engine is loose.
The mowing result is unsatisfactory	The blades are blunt. See <i>To replace the blades on page 30</i> .
	The grass is long or wet. See <i>To get a good mowing result on page 19</i> .
	The cutting deck is skew.
	There is grass blockage in the cutting deck. See <i>To clean the product on page 22</i> .
	The tire pressure is different on the right and left sides. See <i>To set the tire pressure on page 27</i> .
	The product is operated at a too high speed. See <i>To get a good mowing result on page 19</i> .
	The engine speed is too low. See <i>To get a good mowing result on page 19</i> .
	The drive belt slips.

Transportation, storage and disposal

Transportation

- The product is heavy and can cause crush injuries. Be careful when you load it onto or off a vehicle or trailer.
- Do not lift the product. The transport eyelets are not approved lifting points and must only be used to attach the product safely to a trailer.
- Use an approved trailer for transportation of the product.
- Make sure that you have knowledge of local road traffic regulations before transportation of the product in a trailer or on roads.

To safely attach the product on a trailer for transport



WARNING: The parking brake is not sufficient to lock the product during transport. Attach the product tightly to the trailer.

Equipment: 2 approved tension belts and 4 wedge shaped wheel blocks.

1. Apply the parking brake.
2. Attach the tension belts around the frame or rear wagon.
3. Tighten the tension belts in the direction of the rear and the front of the trailer to secure the product.
4. Put the wheel blocks in front of and behind the rear wheels.

To tow the product

The product has a hydrostatic transmission. To prevent damage to the transmission, tow the product short distances only and at low speed.

Disengage the transmission before you tow the product. Refer to *To engage and disengage the drive system on page 16*.

Storage

Prepare the product for storage at the end of the season, and before more than 30 days of storage. If you keep fuel in the fuel tank for 30 days or more, tacky particles can cause blockage in the carburetor. This has a negative effect on the engine function.

To prevent tacky particles during storage, add a stabilizer. If alkylate gasoline is used, stabilizer is not necessary. If you use standard gasoline, do not change to alkylate gasoline. This can cause sensitive rubber parts to become hard. Add stabilizer to the fuel in the tank or in the container used for storage. Always use the mixing ratios given by the manufacturer. Run the engine for a minimum of 10 minutes after you add the stabilizer until it flows into the carburetor.



WARNING: Do not keep the product with fuel in the tank in an indoor location or in locations with bad airflow. Risk of fire if fuel fumes come near open flames, sparks, or pilot lights in for example boilers, hot water tanks and clothes dryers.



WARNING: Remove grass, leaves and other flammable materials from the product to decrease the risk of fire. Let the product become cool before you put it in storage.

- Clean the product, see *To clean the product on page 22*. Touch-up paint damage to prevent corrosion.
 - Examine the product for worn or damaged parts and tighten loose screws and nuts.
 - Charge the battery. Use only the charger specified by Husqvarna for this type of battery (LiFePO4).
 - Change the engine oil, and discard the waste oil.
 - Empty the fuel tank. Start the engine and run it until there is no remaining fuel in the carburetor.
-

Note: Do not empty the fuel tank and carburetor if a stabilizer has been added.

- Remove the plugs and put about a tablespoon of engine oil into each cylinder. Manually turn the engine shaft to distribute the oil and screw the plugs back on.
- Lubricate all grease nipples, joints and axles.
- Store the product in a clean and dry area and cover it for more protection.
- A cover for protection of your product during storage or transport is available at your dealer.

Disposal

- Chemicals can be dangerous and must not be discarded on the ground. Always discard used chemicals at a service center or an applicable disposal location.

- When the product is worn out, send it to the dealer or to an applicable recycling location.
- Oil, oil filters, fuel and the battery can have negative effects on the environment. Obey the local recycling requirements and applicable regulations.
- Do not discard the battery as domestic waste.
- Send the battery to a Husqvarna servicing dealer or discard it at a disposal location for used batteries.

Technical data

Technical data

	RC 318T	RC 320Ts AWD
Dimensions	Refer to <i>Product dimensions on page 40.</i>	
Weight without cutting deck, with empty tanks, kg	326	327
Tire dimensions	16×6.50×8	16×6.50×8
Tire pressure, rear – front, kPa / bar / PSI	150 / 1.5 / 21.8	150 / 1.5 / 21.8
Max. gradient, degrees °	10	10
Max. tow equipment weight at 10 ° gradient, kg	125	125
Max. permitted vertical force on the tow bar, N/kg	250/25	250/25
Max. permitted horizontal force on the tow bar, N/kg	220/22	220/22
Engine		
Brand / Model	Husqvarna / HV 635AE	Husqvarna / HV 635AE
Nominal engine output, kW ⁵	12.7	12.7
Displacement, cm ³	635	635
Max. engine speed, rpm	2900 +/- 100	2900 +/- 100
Max. speed forward, km/h	8	8
Max. speed reverse, km/h	7	7
Fuel, min. octane grade	91	91
Tank volume, liters	12	12
Engine oil ⁶	Husqvarna SAE 30, Husqvarna SAE 5W-30 Synthetic, Husqvarna SAE 10W-40	Husqvarna SAE 30, Husqvarna SAE 5W-30 Synthetic, Husqvarna SAE 10W-40
Oil volume incl. filter, liters	1.7	1.7
Oil volume excl. filter, liters	1.6	1.6
Start motor	Electric start 12V	Electric start 12V
Transmission		
Brand	Tuff Torq	Tuff Torq
Model	K66 AT	K664M / KTM10T

⁵ The power rating of the engine indicated is the average net output (at specified rpm) of a typical production engine for the engine model measured to SAE standard J1349/ISO1585. Mass production engines may differ from this value. Actual power output for the engine installed on the final product will depend on the operating speed, environmental conditions and other values.

⁶ Use engine oil of quality API SJ or higher. If SAE-30 oil is used at temperature lower than +5 °C, there is a risk that it does not lubricate the engine sufficiently. This can cause engine damage. Refer to *Technical data on page 37* for the correct oil for low temperatures. See the viscosity chart in the Engine manual (if included) and select the best viscosity based on the expected outside temperature.

	RC 318T	RC 320Ts AWD
Oil, class SF-CC ⁷	Husqvarna SAE 10W-30	Husqvarna SAE 10W-30
Oil volume, liters	3.0	5.5
Electrical system		
Type	12V, negative earthed	12V, negative earthed
Battery	LiFePO ₄	LiFePO ₄
Max. battery charging voltage	14.4V	14.4V
Max. battery charging current	3.0A	3.0A
Spark plug	Husqvarna / HQT-12	Husqvarna / HQT-12
Electrode gap, mm/inch	0.75/0.030	0.75/0.030
Lamp	LED GU5.3 12v 4.5–6.5W	LED GU5.3 12v 4.5–6.5W
Cutting deck		
Type	Combi 103	Combi 103
	Combi 112	Combi 112

Cutting deck	Combi 103	Combi 112
Width, mm	1086	1176
Cutting width, mm	1030	1120
Cutting height, 8 positions, mm	25–75	25–75
Weight, kg	63	64
Noise emissions ⁸		
Sound power level, measured dB(A)	99	99
Sound power level, guaranteed dB(A)	100	100
Sound levels ⁹		
Sound pressure level at the operators ear, dB(A)	85	85
Vibration levels ¹⁰		
Vibration level on the steering wheel, m/s ²	2.96	2.96
Vibration level in the seat, m/s ²	0.4	0.4
Blades		

⁷ Use Husqvarna SAE 10W-30 transmission oil for best performance. If Husqvarna oil is not available, use 10W-30 STOU oil. The new classification is API GL-4 standard.

⁸ Noise emissions in the environment measured as sound power (L_{WA}) in conformity with EC directive 2000/14/EC.

⁹ Noise pressure level according to EN ISO 5395. Reported data for noise pressure level has a typical statistical dispersion (standard deviation) of 1.2 dB(A).

¹⁰ Vibration level according to EN ISO 5395. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 0.2 m/s² (steering wheel) and 0.8 m/s² (seat).

Cutting deck	Combi 103	Combi 112
Blade length left and right blade, mm	510	555
Blade length centered blade, mm	243	243
Left blade article number	590 74 94-10	597 71 47-10
Right blade article number	590 74 94-20	597 71 47-20
Centered blade article number	588 82 44-10	588 82 44-10
Non-collect kit article number ¹¹ (Accessory)	599 45 35-01	599 45 35-02
Left non-collect blade article number ¹² (Accessory)	598 94 31-01	597 92 21-01
Right non-collect blade article number ¹³ (Accessory)	598 94 31-02	597 92 21-02



WARNING: To use a cutting deck that is not approved for the product can cause objects to eject at high speed and cause

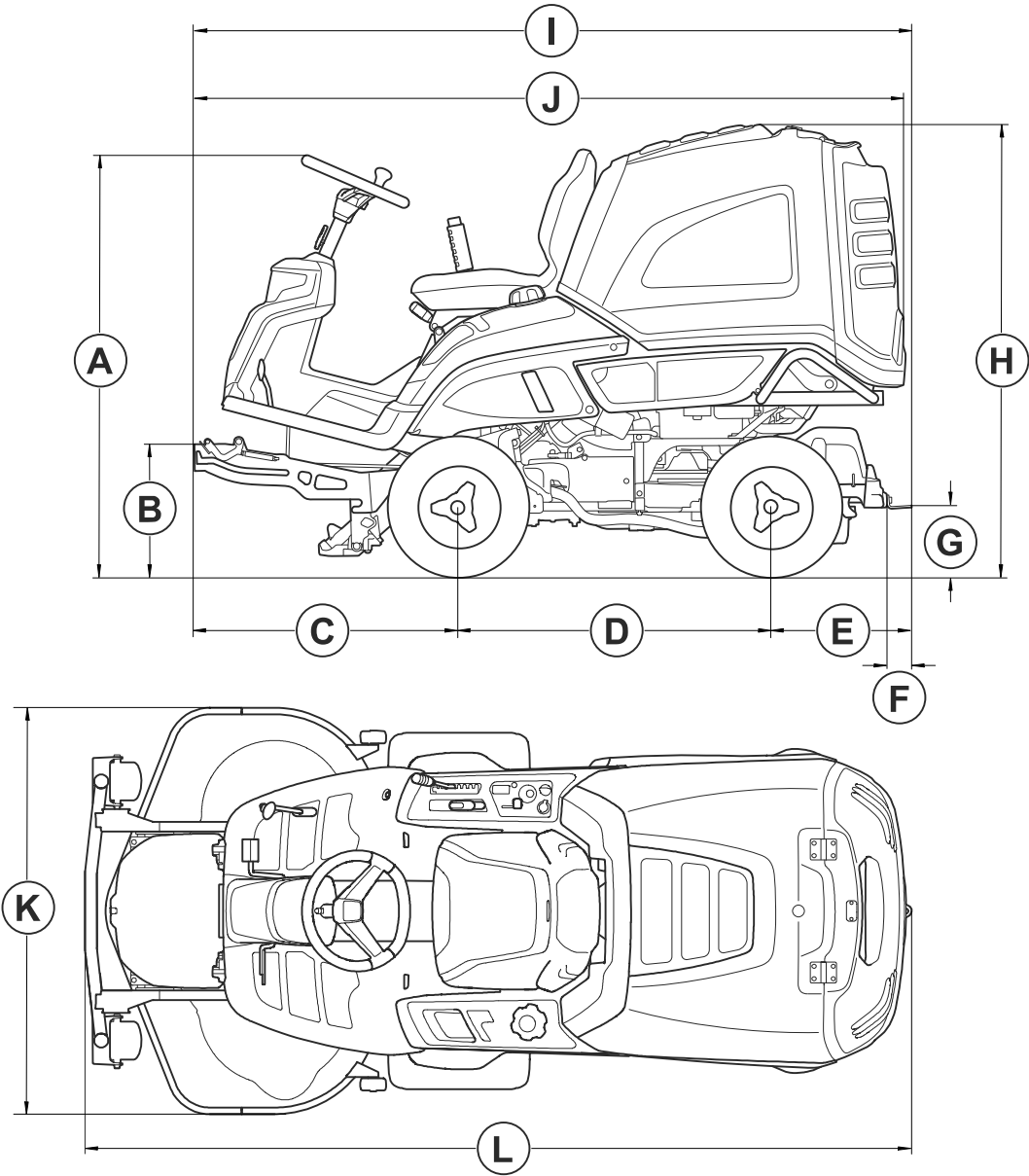
serious injury. Do not use other cutting deck types than specified in this manual.

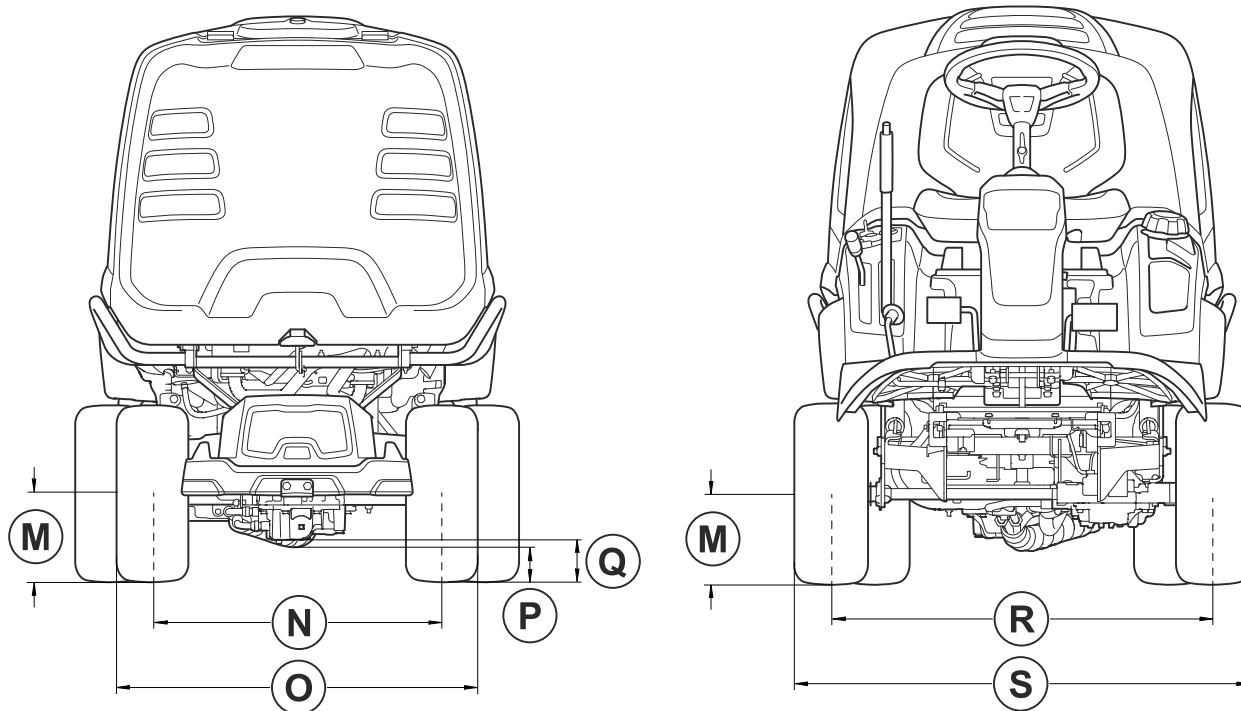
¹¹ Non-collect kit including blades, non-collect plug and parts for assembly.

¹² Use the blade only with the complete non-collect kit parts in, 599 45 35-01 for C103 or 599 45 35-02 for C112.

¹³ Use the blade only with the complete non-collect kit parts in, 599 45 35-01 for C103 or 599 45 35-02 for C112.

Product dimensions





Dimensions, mm.					
A	1274	H	1309	N	670
B	385	I	Excl. counterweight:2072	O	842
C	763		Incl. counterweight:2099	P	81
D	903	J	2055	Q	RC 318T:101
E	Excl. counterweight:406	K	Combi 103:1085		RC 320Ts AWD:90
	Incl. counterweight:433		Combi 112:1176	R	860
F	71	L	Combi 103:2391		
			Combi 112:2391		
G	209	M	205	S	1032

Service

Service

Always use original spare parts.

Do a yearly check at an authorized service center to make sure that the product functions safely and at its best during high season. The best time to do a servicing or overhaul of the product is low season.

When you send an order for the spare parts, give information about the purchase year, model, type, and serial number.

Declaration of Conformity

EU Declaration of Conformity

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

Description	Ride-on Lawn Mower
Brand	Husqvarna
Type/Model	RC 318T, RC 320Ts AWD
Identification	Serial numbers dating from 2024 and onwards

complies fully with the following EU directives and
regulations:

Regulation	Description
2006/42/EC	"relating to machinery"
2014/53/EU	"relating to radio equipment"
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 harmonized standards and/or
technical specifications are applied;

EN ISO 12100:2010

EN ISO 5395-1:2013/A1:2018

EN ISO 5395-3: 2013/A1:2017/A2:2018

EN ISO 14982:2009

EN IEC 63000:2018

Notified Body: 0404, SMP Svensk Maskinprovning AB,
Box 4053, SE-904 03 Umeå, Sweden has also verified
agreement with annex VI of the council's directive
2000/14/EC.

For information relating to noise emissions, refer to
Technical data on page 37.

Huskvarna, 2025-01-17



A handwritten signature in black ink, appearing to read 'Claes Losdal'.

Claes Losdal

Development Manager/Garden Products

Husqvarna AB

Responsible for technical documentation