



# Husqvarna®

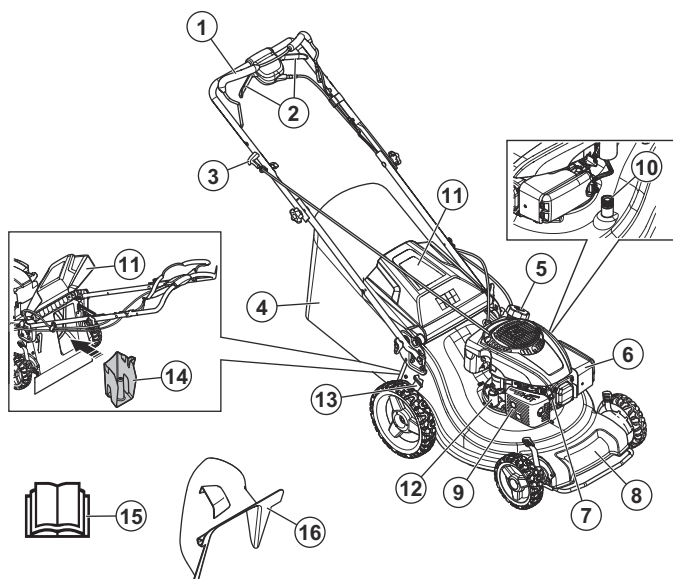


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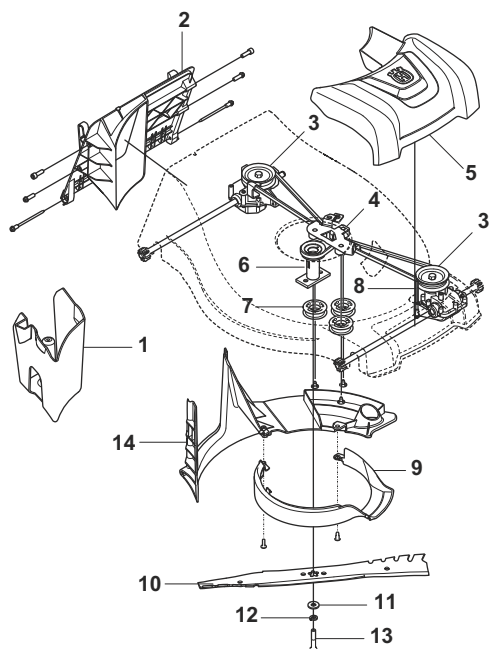


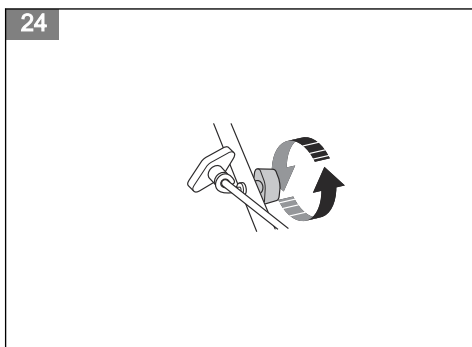
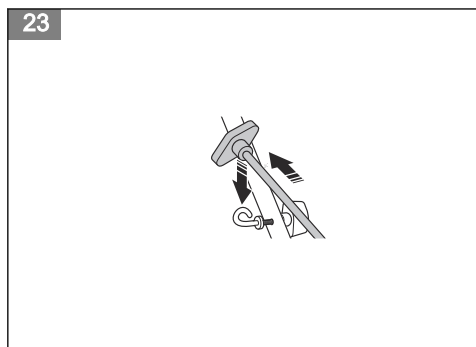
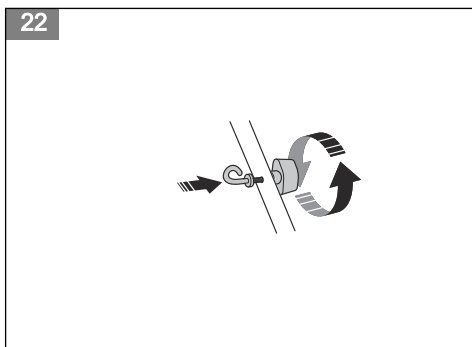
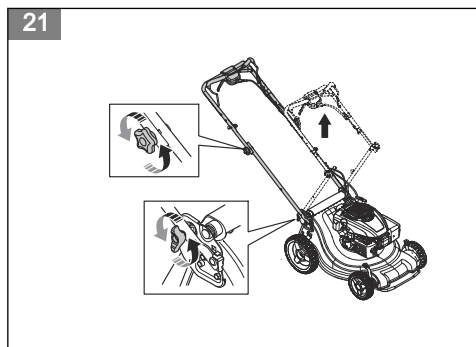
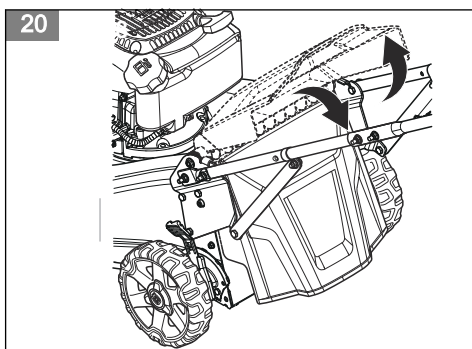
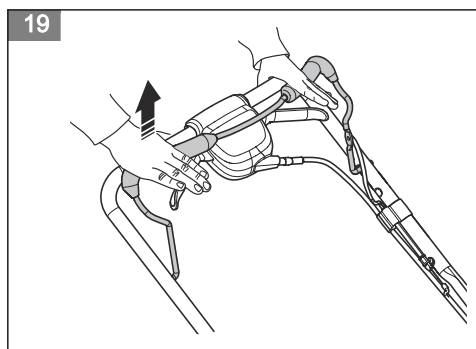
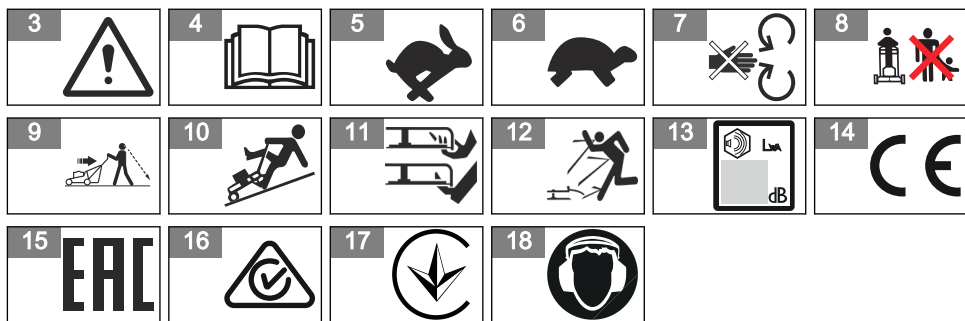
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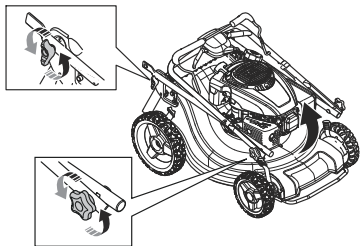


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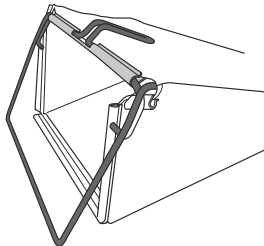




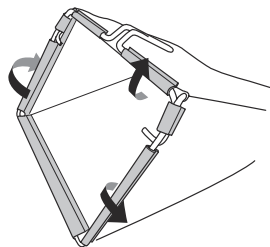
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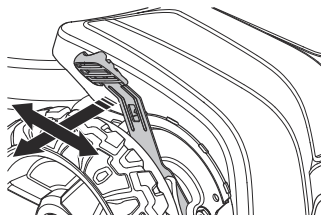
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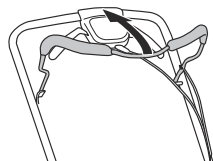
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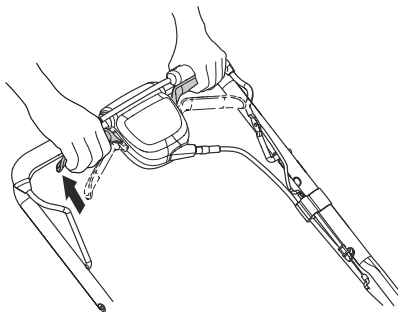
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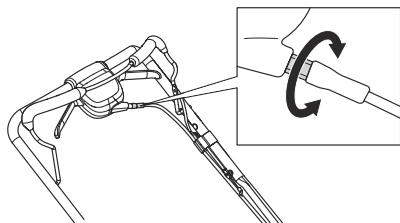
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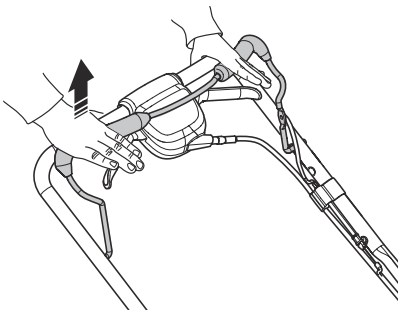
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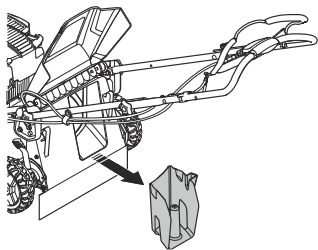
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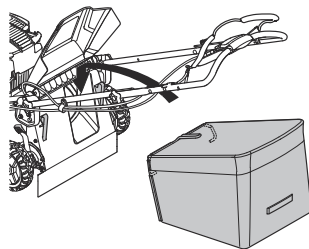
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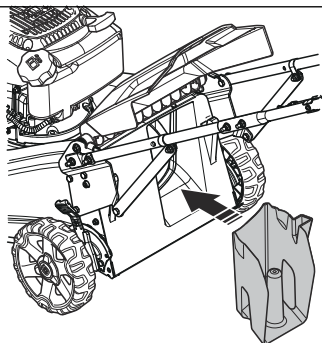
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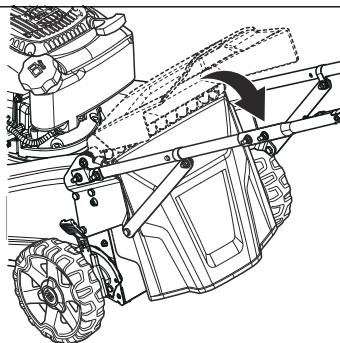
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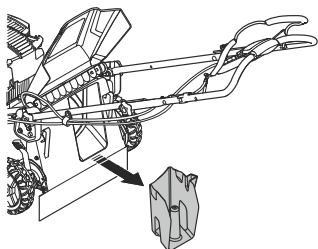
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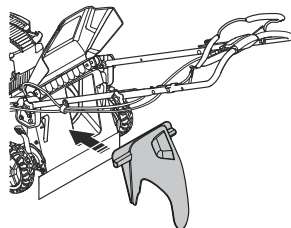
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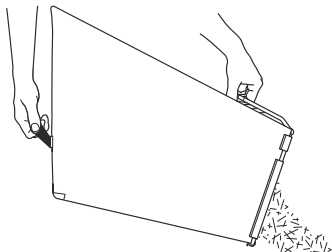
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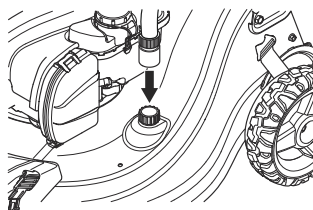
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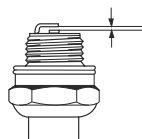
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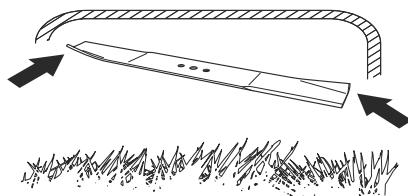
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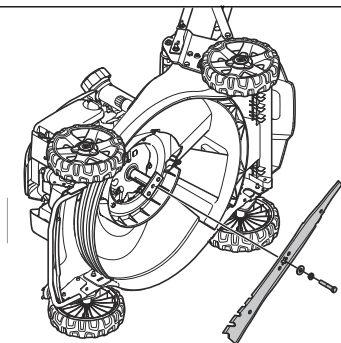
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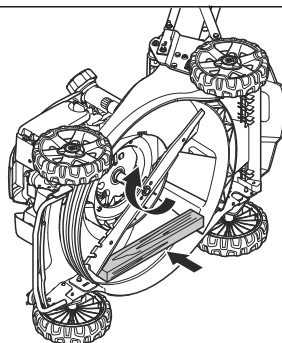
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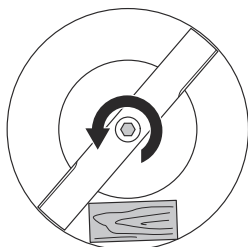
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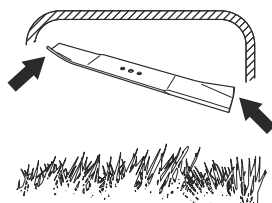
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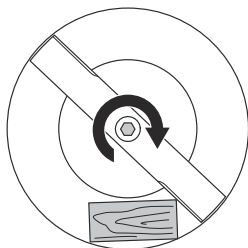
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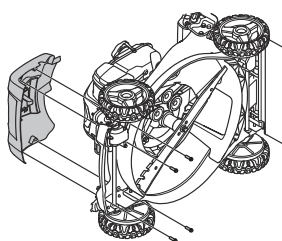
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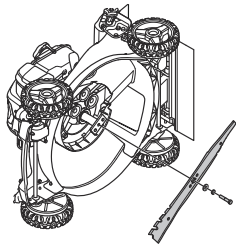
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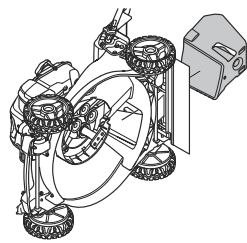
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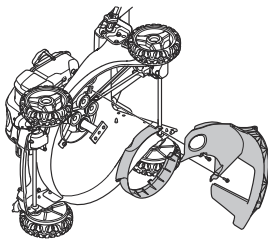
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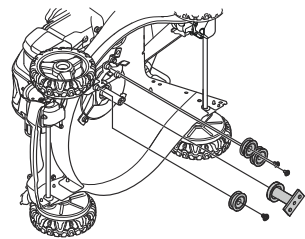
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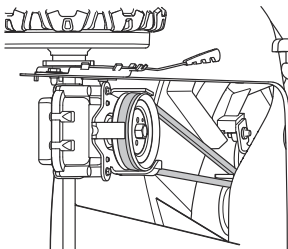
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## Introduction

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### Product description

The product is a combustion engine-powered pedestrian-controlled lawn mower. The grass is collected in a grass catcher. Remove the grass catcher to get rear discharge of the grass. Attach a mulch kit to cut the grass into fertilizer.

### Product overview

(Fig. 1)

1. Engine brake handle
2. Drive levers
3. Starter rope handle
4. Grass catcher
5. Fuel tank cap
6. Air filter
7. Spark plug
8. Drive cover
9. Muffler
10. Water hose connection
11. Rear deflector
12. Dipstick / oil tank
13. Cutting height control
14. Mulch plug
15. Operator's manual
16. Discharge chute

### Symbols on the product

- (Fig. 3)      **WARNING:** This product can be dangerous and cause serious injury or death to the operator or others. Be careful and use the product correctly.
- (Fig. 4)      Read the operator's manual carefully and make sure that you understand the instructions before you use the product.
- (Fig. 5)      Fast
- (Fig. 6)      Slow
- (Fig. 7)      Keep hands and feet away from the rotating part.

### Intended use

Use the product to cut grass in private gardens. Do not use the product for other tasks.

- (Fig. 8)      Keep persons and animals at safe distance from the work area.

- (Fig. 9)      Be careful when you operate the product rearward. Look behind and down for small children, animals or other risks that can cause you to fall.

- (Fig. 10)      To operate the product on a slope can be dangerous.

- (Fig. 11)      Keep hands and feet away from the rotating blade.

- (Fig. 12)      Look out for thrown objects and ricochets.

- (Fig. 13)      Noise emission to the environment according to the European Community's Directive. The product's emission is specified in *Technical data on page 19* and on the label.

- (Fig. 14)      This product is in accordance with applicable EC directives.

- (Fig. 15)      The product agrees with the applicable EAC directives.

- (Fig. 16)      The product agrees with applicable RCM directives. Applies to AU/NZ only.

- (Fig. 17)      The product agrees with the applicable Ukraine directives.

- (Fig. 18)      Use approved hearing protection.

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

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## Product liability

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

- the product is incorrectly repaired.
- the product is repaired with parts that are not from the manufacturer or not approved by the manufacturer.

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

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## Safety

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### Safety definitions

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



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



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

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

### General safety instructions



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

- This product is dangerous if used incorrectly or if you are not careful. Injury or death can occur if you do not obey the safety instructions.
- 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.
- Always be careful and use your common sense. If you are not sure how to operate the product in a special situation, stop and speak to your Husqvarna dealer before you continue.
- Keep in mind that the operator will be held responsible for accidents that involve other persons or their property.
- Keep the product clean. Make sure that you can clearly read signs and decals.
- Do not let a person use the product unless you make sure that they read and understand the contents of the operator's manual.
- Do not let a child operate the product.

- Keep children away from the work area. A responsible adult must be there at all times.
- Do not let a person, without knowledge of the instructions, operate the product.
- Always monitor a person, with decreased physical capacity or mental capacity, that uses the product. A responsible adult must be there at all times.
- Do not use the product if you are tired, ill, or under the influence of alcohol, drugs or medicine. This has a negative effect on your vision, alertness, coordination and judgment.
- Do not use the product if it is defective.
- Do not change this product or use it if it is possible that it has been changed by others.

### Work area safety



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

- Remove objects such as branches, twigs and stones from the work area before you use the product.
- Objects that hit against the cutting equipment can eject and cause damage to persons and objects. Keep bystanders and animals at a safe distance from the product.
- Never use the product in bad weather such as fog, rain, strong winds, intense cold and risk of lightning. To use the product in bad weather or in moist or wet locations is tiring. Bad weather can cause dangerous conditions, such as slippery surfaces.
- Look out for persons, objects and situations that can prevent safe operation of the product.
- Look out for obstacles, such as roots, stones, twigs, pits and ditches. Long grass can hide obstacles.
- To cut grass on slopes can be dangerous. Do not use the product on ground that slopes more than 15°.
- Operate the product across the face of slopes. Do not move up and down.
- Be careful when you go near hidden corners and objects that prevent a clear view.

## Work safety



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

- Use this product to cut grass lawns only. It is not permitted to use it for other tasks.
- Use personal protective equipment. Refer to *Personal protective equipment on page 10*.
- Make sure that you know how to stop the engine quickly in an emergency.
- Never start the engine in a closed space or near flammable material. The exhaust fumes from the engine are hot and can contain sparks which can start a fire.
- Do not operate the product unless the blade and all covers are attached correctly. An incorrectly attached blade can come loose and cause personal injury.
- Make sure that the blade does not hit objects such as stones and roots. This can do damage to the blade and bend the engine shaft. A bent axle causes heavy vibration and a very high risk that the blade becomes loose.
- If the blade hits an object or if vibrations occur, stop the product immediately. Disconnect the ignition cable from the spark plug. Examine the product for damages. Repair damages or let an authorised service agent do the repair.
- Never attach the engine brake handle permanently to the handle when the engine is started.
- Put the product on a stable, flat surface and start it. Make sure that the blade does not hit the ground or other objects.
- Always stay behind the product when you operate it.
- Let all the wheels stay on the ground and keep 2 hands on the handle when you operate the product. Keep your hands and feet away from the rotating blades.
- Do not tilt the product when the engine is started.
- Be careful when you pull the product rearward.
- Never lift up the product when the engine is started. If you must lift the product, first stop the engine and disconnect the ignition cable from the spark plug.
- Do not walk rearward when you operate the product.
- Stop the engine when you move across areas without grass, for example paths made of gravel, stone and asphalt.
- Do not run with the product when the engine is started. Always walk when you operate the product.
- Stop the engine before you change the cutting height. Never make adjustments with the engine started.
- Never let the product stay out of view with the engine started. Stop the engine and make sure that the cutting equipment does not rotate.

## Safety instructions for operation

### Personal protective equipment



**WARNING:** Read the warning instructions that follow before 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 hearing protection if the noise level is higher than 85 dB.
- Use heavy-duty slip-resistant boots or shoes. Do not use open shoes or go with bare feet.
- Use heavy, long pants.
- Use protective gloves when necessary, for example when you attach, examine or clean the cutting equipment.

### Safety devices on the product



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

- Do not use a product with defective safety devices.
- Do a check of the safety devices regularly. If the safety devices are defective, speak to your Husqvarna service agent.

#### To do a check of the cutting cover

The cutting cover decreases vibrations in the product and decreases the risk of injury from the blade.

- Examine the cutting cover to make sure that there are no damages such as cracks.

#### To do a check of the engine brake handle

The engine brake handle stops the engine. When the engine brake handle is released, the engine stops.

- Start the engine and then release the engine brake handle. If the engine does not stop in 3 seconds, let an approved Husqvarna service agent adjust the engine brake. (Fig. 19)

#### To do a check of the rear deflector

The rear deflector decreases the risk that objects eject in the direction of the operator.

- Make sure that the rear deflector is not damaged. (Fig. 20)
- Make sure that the springs that close the rear deflector are not broken.
- Replace broken springs and damaged parts.
- Make sure that the rear deflector can move smoothly on the hinges.

## 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 defective. A defective 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.

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## To do a check of the muffler

- Examine the muffler regularly to make sure that it is attached correctly and not damaged.

## To do a check of the oil level



**CAUTION:** A too low oil level can do damage to the engine. Do a check of the oil level before you start the product.

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1. Put the product on level ground.
2. Remove the oil tank cap with the attached dipstick.
3. Clean the oil from the dipstick.
4. Put the dipstick fully into the oil tank to give a correct picture of the oil level.
5. Remove the dipstick.
6. Examine the oil level on the dipstick.
7. If the oil level is low, fill with engine oil and do a check of the oil level again.

## Fuel safety



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

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- Do not start the product if there is fuel or engine oil on the product. Remove the unwanted fuel/oil and let the product dry.
- If you spill fuel on your clothing, change clothing immediately.
- Do not get fuel on your body, it can cause injury. If you get fuel on your body, use soap and water to remove the fuel.
- Do not start the product if the engine has a leak. Examine the engine for leaks regularly.

- Be careful with fuel. Fuel is flammable and the fumes are explosive and can cause injuries or death.
- Do not breathe in the fuel fumes, it can cause injury. Make sure that there is a sufficient airflow.
- Do not smoke near the fuel or the engine.
- Do not put warm objects near the fuel or the engine.
- Do not add the fuel when the engine is on.
- Make sure that the engine is cool before you refuel.
- Before you refuel, open the fuel tank cap slowly and release the pressure carefully.
- Do not add fuel to the engine in an indoor area. Not sufficient airflow can cause injury or death because of asphyxiation or carbon monoxide.
- Tighten the fuel tank cap fully. If the fuel tank cap is not tightened, there is a risk of fire.
- Move the product a minimum of 3 m / 10 ft from the position where you filled the tank before a start.
- Do not fill the fuel tank fully. Heat causes the fuel to expand. Keep a space at the top of the fuel tank.

## Safety instructions for maintenance



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

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- The exhaust fumes from the engine contain carbon monoxide, an odourless, poisonous and very dangerous gas. Do not start the engine indoors or in closed spaces.
- Before you do the maintenance on the product, stop the engine and remove the ignition cable from the spark plug.
- Use protective gloves when you do maintenance on the cutting equipment. The blade is very sharp and cuts can easily occur.
- Accessories and changes to the product that are not approved by the manufacturer, can cause serious injury or death. Do not change the product. Always use accessories that are approved by the manufacturer.
- If the maintenance is not done correctly and regularly, the risk of injury and damage to the product increases.
- Only do the maintenance as given in this owner's manual. All other servicing must be done by an approved Husqvarna service agent.
- Let an approved Husqvarna service agent do servicing on the product regularly.
- Replace damaged, worn or broken parts.

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# Assembly

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## Introduction



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



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

## To assemble the handle

1. Lift the lower handle. (Fig. 21)
2. Align the holes at the bottom of the lower handle with the holes in the handle brackets.

**Note:** Select the holes that give the best operation position.

3. Tighten the lower handle knobs.
4. Lift the upper handle and align it with the lower handle.
5. Tighten the upper handle knobs fully.

## To install the starter rope handle

1. Attach the loop for the starter rope and the T-knob. Do not tighten fully. (Fig. 22)

2. Hold the engine brake handle against the handlebar.
3. Slowly pull out the starter rope and put it into the loop for the starter rope. (Fig. 23)
4. Tighten the T-knob. (Fig. 24)

## To set the product in transport position

1. Remove the grass catcher.
2. Loosen the lower handle knobs to unlock the handle. (Fig. 25)
3. Fold the handle down rearward.
4. Remove the knobs and the pins on the lower handle.
5. Fold the handle forward.

## To assemble the grass catcher

1. Attach the grass catcher frame to the grass bag with the rigid part of the bag on the bottom. Keep the handle of the frame out of the top of the bag. (Fig. 26)
2. Attach the grass bag to the frame with the quick-action clips. (Fig. 27)

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# Operation

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## Introduction



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

## Before you operate the product

1. Read the operator's manual carefully and make sure that you understand the instructions.
2. Examine the cutting equipment to make sure that it is correctly attached and adjusted. See *To examine the cutting equipment on page 15*.
3. Fill the fuel tank. See *To fill fuel on page 12*.
4. Fill the oil tank and do a check of the oil level. See *To do a check of the oil level on page 11*.

## To fill fuel

If available, use low-emission/alkylate gasoline. If low-emission/alkylate gasoline is not available, use good quality unleaded gasoline or leaded gasoline with octane number not less than 90.



**CAUTION:** Do not use gasoline with an octane number less than 90 RON (87 AKI). This can cause damage to the product.

1. Open the fuel tank cap slowly to release the pressure.
2. Fill slowly with a fuel can. If you spill fuel, remove it with a cloth and let remaining fuel dry off.
3. Clean the area around the fuel tank cap.
4. Tighten the fuel tank cap fully. If the fuel tank cap is not tightened, there is a risk of fire.
5. Move the product a minimum of 3 m (10 ft) from the position where you filled the tank before a start.

## To set the cutting height

The cutting height can be adjusted in 9 levels.

1. Push the cutting height control in the direction of the wheel and then rearward to increase the cutting height.
2. Push the cutting height control in the direction of the wheel and then forward to decrease the cutting height. (Fig. 28)



**CAUTION:** Do not set the cutting height too low. The blades can hit the ground if the surface of the lawn is not level.

## To start the product

1. Stay behind the product.
2. Hold the engine brake handle against the handlebar. (Fig. 29)
3. Hold the starter rope handle with your right hand.
4. Slowly pull out the starter rope until you feel some resistance.
5. Pull with force to start the engine.



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

## To use the drive on the wheels

- Pull the drive levers in the direction of the handlebar. (Fig. 30)
- Before you pull the product rearward, disengage the drive and push the product forward approximately 10cm.
- Release the drive levers to disengage the drive, for example when you go near an obstacle.

## To adjust the drive control cable

- Use the adjuster screw to adjust the drive control cable. (Fig. 31)
- Turn off the engine. Always disconnect the spark plug before you operate the movable parts.
- Turn the adjustment screw counterclockwise to tension the wire and increase the speed.
- Turn the adjustment screw clockwise to extend the wire and reduce speed.

## To stop the product

- To stop the drive only, release the drive levers.
- To stop the engine, release the engine brake handle. (Fig. 32)

## To use the product with the grass catcher



**WARNING:** Do not operate the product without a grass catcher installed or without the rear deflector closed. Objects can eject and cause injury to the operator.

1. Lift the rear deflector and remove the mulch plug. (Fig. 33)

2. Assemble the grass catcher, refer to *To assemble the grass catcher on page 12*.
3. Put the grass catcher on the bracket. (Fig. 34)
4. Release the rear deflector and put it on top of the grass bag frame.

## To change the product to mulching mode

The mulching mode of the product makes grass clippings smaller. The grass clippings then fall onto the lawn and scatter across the grass. Mulched grass biodegrades quickly to give nutrients for the lawn.

1. Lift the back shield and remove the grass bag, if it is installed.
2. Put the mulch plug into the collector channel. (Fig. 35)
3. Let the back shield close and make sure it tightly closes against the mulch plug. (Fig. 36)

## To change the product to rear-side discharge mode

1. Lift the rear deflector and remove the mulch plug. (Fig. 37)
2. Install the discharge chute. (Fig. 38)

## To empty the grass catcher



**CAUTION:** Do not drag the bag when you empty the grass catcher to prevent wear.

1. Lift the grass catcher with the frame handle. (Fig. 39)
2. Remove grass clippings from the grass catcher from below the handle.
3. Empty grass clippings from the bag with the frame handle and the bag handle.

## To get a good result

- Always use a sharp blade. A blunt blade gives an irregular result and the cut surface of the grass becomes yellow. A sharp blade also uses less energy than a blunt blade.
- Do not cut more than  $\frac{1}{3}$  of the length of the grass. Cut first with the cutting height set high. Examine the result and lower the cutting height to an applicable level. If the grass is very long, drive slowly and cut 2 times if necessary.
- Cut in different directions each time to prevent stripes in the lawn.

# Maintenance

## Introduction



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

For all servicing and repair work on the product, special training is necessary. We guarantee the availability of professional repairs and servicing. If your dealer is not a service agent, speak to them for information about the nearest service agent.

## Maintenance schedule



**CAUTION:** Make sure that the air filter is up and not against the ground when you tilt the product. Risk of engine damage.

The maintenance intervals are calculated from daily use of the product. The intervals change if the product is not used daily.

For maintenance identified with \* refer to instructions in *Safety devices on the product on page 10*.

| Maintenance                                                                    | Daily | Weekly | Monthly |
|--------------------------------------------------------------------------------|-------|--------|---------|
| Do a general inspection                                                        | X     |        |         |
| Examine the oil level                                                          | X     |        |         |
| Clean the product                                                              | X     |        |         |
| Examine the cutting equipment                                                  | X     |        |         |
| Examine the cutting cover *                                                    | X     |        |         |
| Examine the engine brake handle *                                              | X     |        |         |
| Examine the blade brake control *                                              | X     |        |         |
| Examine the muffler *                                                          |       | X      |         |
| Examine the spark plug                                                         |       | X      |         |
| Replace the oil (the first time after 5 h of use, then after each 50 h of use) |       |        | X       |
| Clean or replace the air filter                                                |       |        | X       |
| Examine the fuel system                                                        |       |        | X       |

## To do a general inspection

- Make sure that all nuts and screws on the product are tightened correctly.

## To clean the product externally

- Use a brush to remove leaves, grass and dirt.
- Make sure that the air intake on the top of the engine is not blocked.
- Do not use a high pressure washer to clean the product.
- If you use water to clean the product, do not flush water directly on the engine.

## To clean the inner surface of the cutting cover

1. Empty the fuel tank.
2. Put the product on its side with the muffler down.



**CAUTION:** If the product is put with the air filter down, the engine can become damaged.

3. Hose down the inner surface of the cutting cover with water.

## To use the water hose connection

1. Move the product to an area of cut grass or a different hard surface.
2. Remove the grass catcher or mulch plug from the product.
3. Close the rear deflector.
4. Connect a water hose to the water hose connection. (Fig. 40)
5. Stop the water supply and examine the water hose connection for leaks.

6. If you do not see a leak, start the engine. Let the engine run until the product is clean below the housing.
7. Stop the engine.
8. Stop the water supply and remove the hose from the water hose connection.

**Note:** Do not remove the water hose from the water hose connection while the engine is in operation. Water in the engine can decrease the life of the engine.

9. Start the engine and let it run for a full minute to remove remaining water from the product.

## To replace the engine oil



**WARNING:** Engine oil is very hot directly after the engine is stopped. Let the engine become cool before you drain the engine oil. If you spill engine oil on your skin, clean with soap and water.

1. Operate the product until the fuel tank is empty.
2. Remove the ignition cable from the spark plug.
3. Remove the oil tank cap.
4. Put a container below the product to collect the engine oil in.
5. Tilt the product to drain the engine oil from the oil tank.
6. Fill with new engine oil of the type recommended in *Technical data on page 19*.
7. Do a check of the oil level. Refer to *To do a check of the oil level on page 11*.

## To examine the spark plug



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

- Examine the spark plug if the engine is low on power, is not easy to start or does not operate correctly at idle speed.
- To decrease the risk of unwanted material on the spark plug electrodes, obey these instructions:
  - a) Make sure that the idle speed is correctly adjusted.
  - b) Make sure that the fuel mixture is correct.
  - c) Make sure that the air filter is clean.
- If the spark plug is dirty, clean it and make sure that the electrode gap is correct, refer to *Technical data on page 19*. (Fig. 41)
- Replace the spark plug if it is necessary.

## To clean the air filter

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

2. Hit the filter against a flat surface to make the particles fall off.



**CAUTION:** Do not use solvent or compressed air to clean the air filter.

3. Put the air filter back. Make sure that the air filter fully seals against the air filter holder.
4. Put the air filter cover back.

**Note:** An air filter that is used for a long time cannot be fully cleaned. Replace the air filter at regular intervals. Always replace a damaged air filter.

## To examine the cutting equipment



**WARNING:** To prevent accidental start remove the ignition cable from the spark plug.



**WARNING:** Use protective gloves when you do maintenance on the cutting equipment. The blade is very sharp and cuts can easily occur.

1. Examine the cutting equipment for damage or cracks. Always replace a damaged cutting equipment.
2. Look at the blade to see if it is damaged or blunt.

**Note:** It is necessary to balance the blade after it is sharpened. Let a service center sharpen, replace and balance the blade. If you hit an obstacle that causes the product to stop, replace the damaged blade. Let the service center estimate if the blade can be sharpened or must be replaced.

## To assemble the blade

1. Put the blade adapter on the engine crankshaft. Make sure the key in the adapter and crankshaft keyway are aligned. (Fig. 42)
2. Always attach the blade with the angled ends pointing up in the direction of the engine. (Fig. 43)
3. Use a block of wood between the blade and product housing. Tighten the blade bolt and turn it clockwise.
4. Always tighten the bolt with a torque of 35-40 ft lbs (47-54 Nm). (Fig. 44)
5. Make sure the spark plug cable is disconnected from the engine.



**CAUTION:** To prevent accidental start, always disconnect the spark plug cable

and put the wire where it cannot touch the spark plug.

6. Pull the blade around by hand and make sure it rotates freely.

## To replace the blade

1. Lock the blade with a block of wood. (Fig. 45)
2. Remove the blade bolt.
3. Remove the blade.
4. Examine the blade support and blade bolt to see if there are damages.
5. Examine the engine shaft to make sure that it is not bent.
6. When you attach the new blade, point the angled ends of the blade in the direction of the cutting cover. (Fig. 46)

7. Make sure that the blade is aligned with the center of the engine shaft.
8. Lock the blade with a block of wood. Attach the spring washer and tighten the bolt and washer with a torque of 47-54 Nm. (Fig. 47)
9. Pull the blade around by hand and make sure that it turns freely.



**WARNING:** Use heavy duty gloves. The blade is very sharp and cuts can easily occur.

10. Start the product to do a test of the blade. If the blade is not correctly attached, there is vibration in the product or the cutting result is unsatisfactory.

## Transmission assembly overview

(Fig. 2)

1. Mulch plug
2. Rear insert
3. Transmission pulley
4. Idler bracket
5. Transmission cover
6. Blade adapter
7. Idler pulley
8. Front belt keeper
9. Ring
10. Blade
11. Hard washer
12. Lock washer
13. Blade bolt
14. Belt cover

4. Remove the drive cover. (Fig. 48)
5. Remove the blade bolt, lock washer, hard washer and the blade. (Fig. 49)
6. Remove the mulch plug. (Fig. 50)
7. Remove the rear insert.
8. Remove the belt cover and the ring. (Fig. 51)
9. Disconnect the cable from the transmission and remove the idler pulley from the idler assembly.
10. Remove the front belt keeper.
11. Remove the drive belt from the transmission pulley.
12. Remove the 3 idler pulleys from the idler assembly. (Fig. 52)
13. Remove the drive belt from blade adapter and the idler assembly. (Fig. 53)
14. Attach locking pliers to the input shaft of the transmission. Loosen the engine pulley with a 9/16" box wrench to remove the transmission pulley.
15. Remove the drive belt.

## To remove the drive belt

1. Operate the product until the fuel tank is empty.
2. Remove the spark plug cap from the spark plug.
3. Put the product on its side with the muffler down.



**CAUTION:** If the product is put with the air filter down, the engine can become damaged.



## Troubleshooting

| Problem                                                        | Possible cause                                                       | Solution                                                                                             |
|----------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| The engine does not start.                                     | The ignition cable is not connected correctly.                       | Connect the ignition cable to the spark plug.                                                        |
|                                                                | The fuel tank is empty.                                              | Fill the fuel tank with correct fuel type.                                                           |
|                                                                | There is dirt in the carburetor or fuel line.                        | Clean the carburetor and/or fuel line.                                                               |
|                                                                | The spark plug is defective.                                         | Adjust the electrode gap, clean or replace the spark plug.                                           |
| The engine does not stop.                                      | The stop mechanism is defective.                                     | Disconnect the ignition cable from the spark plug. Let an approved service agent repair the product. |
| The engine does not operate smoothly.                          | The ignition cable is not connected correctly.                       | Connect the ignition cable to the spark plug.                                                        |
|                                                                | There is dirt in the fuel line or the fuel has expired.              | Clean the fuel line. Fill the fuel tank with new fuel of the correct type.                           |
|                                                                | There is blockage in the fuel tank cap.                              | Clean the fuel tank cap.                                                                             |
|                                                                | There is water or dirt in the fuel system.                           | Drain the fuel tank. Fill the fuel tank with new fuel of the correct type.                           |
|                                                                | The air filter is dirty.                                             | Clean the air filter.                                                                                |
|                                                                | The carburetor must be adjusted.                                     | Let a servicing dealer adjust the carburetor.                                                        |
| The engine becomes too hot.                                    | The engine oil level is too low.                                     | Fill engine oil.                                                                                     |
|                                                                | The air flow is not sufficient.                                      | Clean the air filter and the air filter housing.                                                     |
|                                                                | The carburetor must be adjusted.                                     | Let a servicing dealer adjust the carburetor.                                                        |
| There is misfire in the engine when it operates at high speed. | The electrode gap in the spark plug is too small.                    | Adjust the electrode gap.                                                                            |
| The engine does not operate smoothly at idle speed.            | The spark plug is dirty, defective or the electrode gap is too wide. | Adjust the electrode gap or replace the spark plug.                                                  |
|                                                                | The carburetor must be adjusted.                                     | Adjust the carburetor.                                                                               |
|                                                                | The air filter is dirty.                                             | Clean the air filter.                                                                                |
| There is too much vibration in the handle.                     | A blade is loose or not balanced.                                    | Tighten the blade bolts. Replace the blades if there are damages.                                    |
|                                                                | A blade is bent.                                                     | Replace the blades if there are damages.                                                             |

| Problem                                     | Possible cause                                                                          | Solution                                                                                                                              |
|---------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| The grass is not cut into mulch.            | The grass is wet.                                                                       | Do not operate the product when the grass is wet. Wait until the grass is dry.                                                        |
|                                             | The grass is too high.                                                                  | Cut first with the cutting height set high. Lower the cutting height and cut again.<br><br>Cut only ½ of the cutting width at a time. |
|                                             | One or more of the blades are not sufficiently sharp.                                   | Sharpen or replace the blades.                                                                                                        |
| The grass is cut irregularly.               | The wheels are not in correct position.                                                 | Set the cutting height at the same level for all 4 wheels.                                                                            |
|                                             | One or more of the blades are not sufficiently sharp.                                   | Sharpen or replace the blades.                                                                                                        |
| The drive system does not operate correctly | The drive belt is not sufficiently tight or there is dirt on the pulleys or drive belt. | Let an approved service agent do maintenance on the drive system.                                                                     |

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## Transportation, storage and disposal

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### Transportation and storage

- For storage and transportation of the product and fuel, make sure that there are no leaks or fumes. Sparks or open flames, for example from electrical devices or boilers, can start a fire.
- Always use approved containers for storage and transportation of fuel.
- Empty the fuel tank before you put the product in storage for a long period of time. Discard the fuel at an applicable disposal location
- Safely attach the product during transportation to prevent damage and accidents.
- Keep the product in a locked area to prevent access for children or persons that are not approved.
- Keep the product in a dry and frost free area.

### Disposal

- Obey the local recycling requirements and applicable regulations.
- Discard all chemicals, such as engine oil or fuel, at a service center or at an applicable disposal location.
- When the product is no longer in use, send it to a Husqvarna dealer or discard it at a recycling location.

## Technical data

### Technical data

|                                                                   |                     |
|-------------------------------------------------------------------|---------------------|
|                                                                   | <b>LC 353AWD</b>    |
| <b>Engine</b>                                                     |                     |
| Brand                                                             | Honda               |
| Displacement, cu.in/cm <sup>3</sup>                               | 10.4/170            |
| Speed, rpm                                                        | 2900-3200           |
| Nominal engine output, kW/hp @ rpm <sup>1</sup>                   | 3.6/4.9 @ 2900-3200 |
| <b>Ignition system</b>                                            |                     |
| Spark plug                                                        | NGK BPR5ES          |
| Electrode gap, in/mm                                              | 0.028/0.7           |
| <b>Fuel and lubrication system</b>                                |                     |
| Fuel, unleaded, minimum octane number                             | 90 RON / 87 AKI     |
| Fuel tank capacity, US gal l                                      | 0.27/1.02           |
| Oil tank capacity, US gal/l                                       | 0.14/0.53           |
| Engine oil <sup>2</sup>                                           | SAE 30 / SAE 10W-30 |
| <b>Weight</b>                                                     |                     |
| With empty tanks, lb/kg                                           | 92/41.7             |
| <b>Noise emissions <sup>3</sup></b>                               |                     |
| Sound power level, measured dB (A)                                | 95                  |
| Sound power level, guaranteed L <sub>WA</sub> dB (A)              | 96                  |
| <b>Sound levels <sup>4</sup></b>                                  |                     |
| Sound pressure level at the operator's ear, dB (A)                | 85                  |
| <b>Vibration levels <sup>5</sup></b>                              |                     |
| Handle, m/s <sup>2</sup> with grass catcher/without grass catcher | 7/7                 |
| <b>Cutting equipment</b>                                          |                     |

<sup>1</sup> 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.

<sup>2</sup> Use engine oil of quality SJ or higher. See the viscosity chart in the engine manufacturer's manual and select the best viscosity based on the expected outside temperature.

<sup>3</sup> Noise emissions in the environment measured as sound power (L<sub>WA</sub>) in conformity with EC directive 2000/14/EC.

<sup>4</sup> Noise pressure level according to ISO 5395. Reported data for noise pressure level has a typical statistical dispersion (standard deviation) of 1.2 dB (A).

<sup>5</sup> Vibration level according to ISO 5395. Reported data for vibration level has a typical statistical dispersion (standard deviation) of 0.2 m/s<sup>2</sup>.

|                                            |                    |
|--------------------------------------------|--------------------|
|                                            | <b>LC 353AWD</b>   |
| Cutting height, in/mm                      | 1.0-4.0/25.4-101.6 |
| Cutting width, in/mm                       | 21/530             |
| <b>Blade</b>                               |                    |
| Article number                             | 586 85 96-02       |
| Grass catcher capacity, ft <sup>3</sup> /l | 2.3/65             |
| <b>Drive</b>                               |                    |
| Speed, mph/km/h                            | 0-3/0-4.8          |

## Contents of the EC declaration of conformity

We, Husqvarna AB, SE 561 82 Huskvarna, SWEDEN, declare under our sole responsibility that the represented product:

The supplied combustion-engine-powered pedestrian-controlled lawn mower conforms to the example that underwent examination.

|                         |                                                                   |
|-------------------------|-------------------------------------------------------------------|
| <b>Description</b>      | <b>Combustion-engine-powered pedestrian-controlled lawn mower</b> |
| Brand                   | Husqvarna                                                         |
| Platform / Type / Model | Platform E21THV, representing models LC 353AWD.                   |
| Batch                   | Serial number dating 2019 and onwards.                            |

complies fully with the following EU directives and regulations:

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| <b>Directive/Regulation</b> | <b>Description</b>                                   |
| 2006/42/EC                  | "relating to machinery"                              |
| 2014/30/EU                  | "relating to electromagnetic compatibility"          |
| 2000/14/EU; 2005/88/EC      | "relating to outdoor noise"                          |
| 2011/65/EU                  | "restriction of use of certain hazardous substances" |

Harmonized standards and/or technical specifications applied are as follows: EN ISO 12100, ISO 5395-1+A1/A2, ISO 5395-2+A1/A2, EN ISO 14982, ISO 3744, ISO 11094, EN 1032

In accordance with directive 2000/14/EC, Annex VI, the declared sound values are stated in the technical data section of this manual and in the signed EC Declaration of Conformity.