

# Operator's manual



**Lawn edger  
Park Ranger 2150**

# Introduction

**Dear Customer,**

## **Congratulations with your new Egholm product**

The Park Ranger 2150 is a Danish designed and manufactured utility machine, which allows you to take a very flexible approach to maintaining outdoor areas.

## **Optimal use of your Park Ranger 2150 lawn edger**

To ensure optimal performance from your Park Ranger 2150 lawn edger, please read this manual carefully before using the machine. Failure to do so can result in personal injury and damage to the machine.

## **Safety**

The lawn edger is equipped with various devices to ensure optimal operational safety both for the user and the surroundings. We ask you to pay particular attention to section 1.1 Safety. The machine must only be serviced by professionals.

The lawn edger is designed only for use by professionals. On delivery, the user will receive thorough training to become a competent operator.

Do not lend the machine to anyone who has not been thoroughly trained and who has not read this manual carefully.

The operator's manual should be considered a vital accessory to the machine and so must remain with it if the machine is sold.

## **Warnings**

Some items in this operator's manual are marked with this warning symbol.

The warning indicates areas where extra care has to be taken to avoid personal injury or damage to the machine and its accessories. The warning also explains how you should pay special attention to the aspect in question.



## **Reservations**

As it is the Egholm policy to make continuous improvements, we reserve the right to alter the machine's specifications and equipment at any time without notice. Egholm accepts no liability for errors or shortcomings in the operator's manual.

## **Contact Egholm**

Should you have questions of any kind regarding your Egholm product, do not hesitate to contact Egholm.

Best regards

Egholm A/S · Transportvej 27 · DK-7620 Lemvig

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Fit the lawn edger to the Park Ranger 2150 for a perfect finish to lawn work.

The attachment efficiently tills and cuts lawn edges at a steady tempo.

The lawn edger is fully hydraulic and the work depth can be regulated by adjusting the support wheel.

The offset of the lawn edger can be manually adjusted.

The lawn edger can be used with both the Park Ranger 2150 and the City Ranger 2250. An adapter needs to be fitted when the lawn edger is used with the Park Ranger 2150, but the attachment can be used with the City Ranger 2250 without an adapter.

Installation of the adapter is described in Section 3.3.

## Useful tips

For best results, trim the lawn edges when the ground is slightly damp.

Never drive faster than the lawn edger's cutting speed.

Make sure the snap couplings are clean before attaching, as this protects the hydraulic system.

Daily cleaning and maintenance will extend the lifetime of both the machine and the attachment.

# General information

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Machines**

# General information

## 1.1 Safety



### Make sure no-one is standing close to the machine while it is in use

Make sure that no one is near the machine while it is in use as there is a danger of crushing.



### NB

As it is articulated, the rear end of the machine swings out when turning. Make sure that no one is standing near the machine while it is in use. (Picture 1)



### Avoid crushing fingers

Keep your hands and fingers away from areas where there is a danger of crushing.



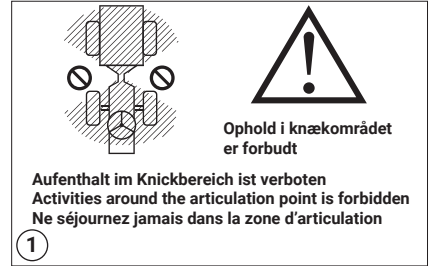
### Warning! Rotating parts!

To avoid personal injury, make sure no one puts their fingers or toes under the lawn edger while it is moving. (Pictures 2 and 3)



### Avoid roll-overs

Do not drive the machine in places where there is a risk that it may slide, tip or roll. Do not drive on slopes with an incline of more than 10°. (Picture 4)



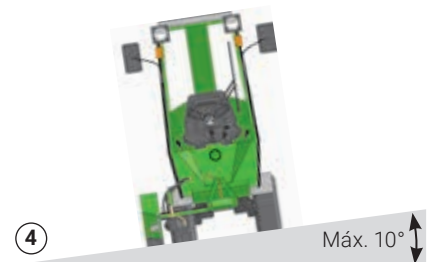
Prevent people from standing in the working area



Warning! Rotating parts



Warning! Rotating parts



Do not drive on slopes with an incline of more than 10°

# General information

## 1.2 EC Declaration of Conformity

Manufacturer: **Egholm A/S**  
Address: **Transportvej 27 · DK-7620 Lemvig**  
Tel. **+45 97 81 12 05**

hereby declares that

The machine: **Lawn edger 2200**  
Type: **22VKS1**

· has been manufactured in conformity with the provisions of the Machinery Directive, Directive 2006/42/EU

### **The Park Ranger 2150 fitted with the FH 2100 cab (ROPS approved)**

· has been tested at the Danish Institute of Agricultural Sciences at Bygholm in conformity with directive 86/298/EEC concerning rear mounted, roll-over protection structures of narrow-track wheeled agricultural and forestry tractors.

Any alteration, rebuilding or addition of implements, accessories or other equipment not manufactured by Egholm automatically results in the cancellation of type approval, CE approval, any other approval, as well as any warranty on machine and attachments.

Unless otherwise agreed in writing between the operator, customer and Egholm, Egholm is the data originator (data originator) of all data generated by the machine and attachments during use.

Place: Lemvig  
Date:  
Signature:   
Knud Olsen, Senior Engineer

# General information

## 1.3 Technical data

<b>Dimensions</b>	<b>Attached</b>	<b>Storage dimensions</b>
Length (L) .....	2,270 mm	540 mm
Width (W) .....	1,200 mm - 1,350 mm	920 mm
Height with cab (H) .....	1,935 mm	
Height .....		500 mm

### **Technical data**

Type .....	22VKS
Weight of lawn edger .....	58 kg
Ground clearance below scraping edge, lifted .....	140 mm
Max. cutting depth .....	95 mm
Offset .....	150 mm

### **NB**

Specifications may be changed without prior notice.

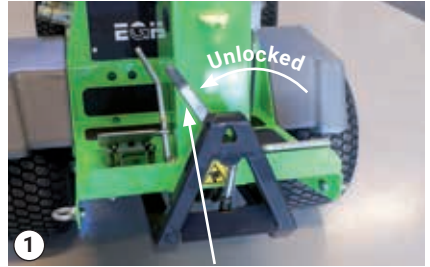
# Operator's manual

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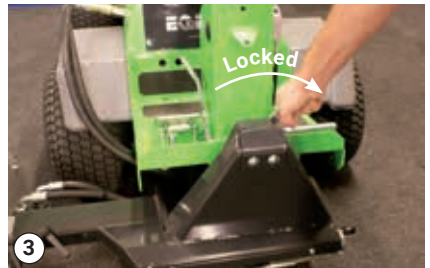
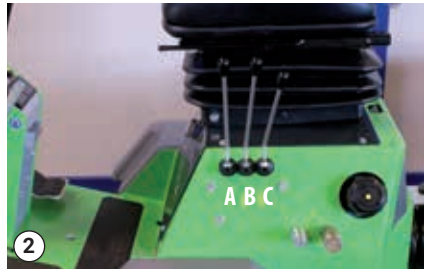


## 2.1 Assembly/Disassembly

1. Make sure to keep the hydraulic hoses out of the way and free from dirt when fitting the lawn edger.
2. The locking handle on the A-frame of the base machine must be in the unlocked position. (Picture 1)
3. Drive the base machine right up to the A-frame of the lawn edger, so the A-frames fit into each other.
4. Use lever A to lift the A-frame until the lawn edger is raised clear of the ground. (Picture 2)
5. Switch off the engine.
6. Use the locking handle on the A-frame to lock the lawn edger in place. (Picture 3)



Locking handle



# Operator's manual

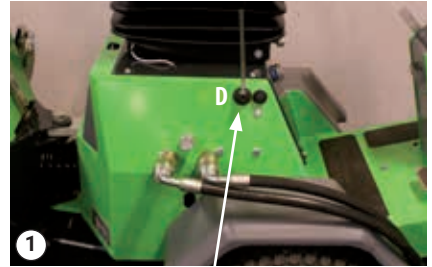
## 2.1 Assembly/Disassembly – continued

7. Fit the hydraulic hoses to the D-connectors. (Picture 1)

8. Push the lock button down to release the support strut; pull the strut up until the lock clicks into place (Picture 2)

### Removal

Follow the procedure for fitting in the reverse order.



Lever D



## 2.2 Before start-up

During transport – use the transport lock to fix the lawn edger in its raised position. (Picture 1)

## 2.3 Start-up

1. Start the machine.
2. To start the lawn edger, push lever D up into position 1. (Picture 2)
3. Move lever C down into position 2 to lower the lawn edger. (Picture 3)
4. We recommend that you hold the lever down for about 2 seconds, as this will place the lawn edger in a floating position, which allows it to follow ground contours.



### Warning!

Make sure to avoid driving over manhole covers or similar obstacles as this will damage the blades and guard.



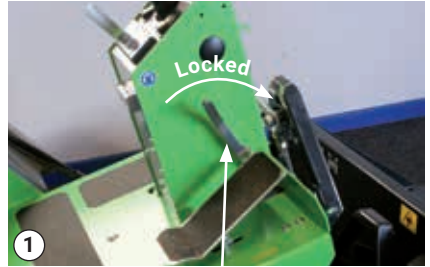
### Warning!

Make sure no one is standing close to the machine while it is in use.

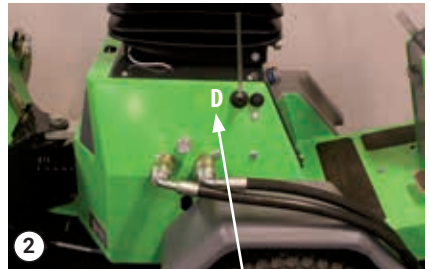


### NB!

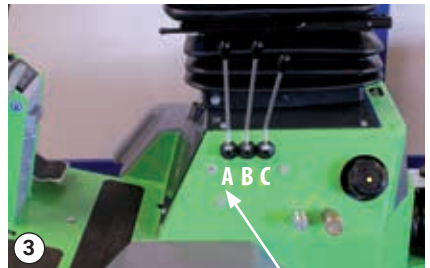
When turning, the rear of the machine swings out so there is a risk of crushing or collision.



Transport lock – locked



Start the lawn edger – Lever D in position 1



Lower the lawn edger – Lever A in position 2

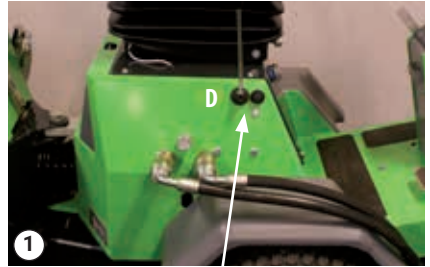
# Operator's manual

## 2.4 Adjustment

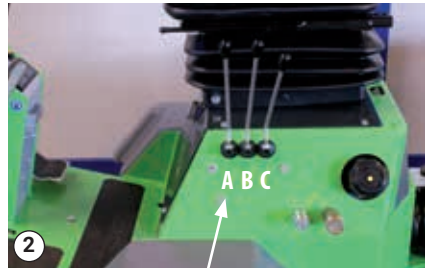
### Adjusting the cutting depth

Adjust the cutting depth to suit conditions

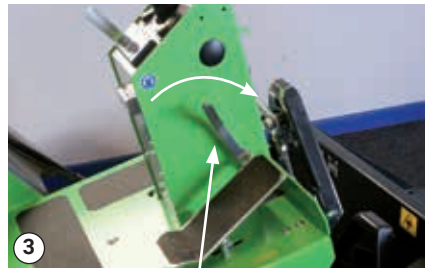
1. To stop the lawn edger, push lever D down into position 0. (Picture 1)
2. To raise the lawn edger, push lever A up into position 1. (Picture 2)
3. Use the transport lock to secure the lawn edger in the raised position. (Picture 3)
4. Switch off the machine.
5. Loosen the support wheel (Picture 4)
6. Adjust the support wheel to the desired depth.
7. Re-tighten the handle.



Lever D



Lever A



Transport lock

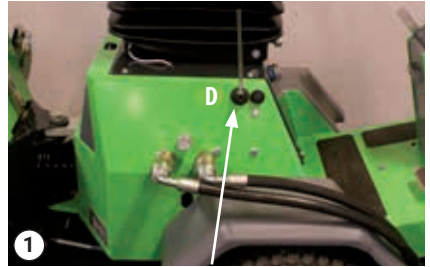


## 2.4 Adjustment – continued

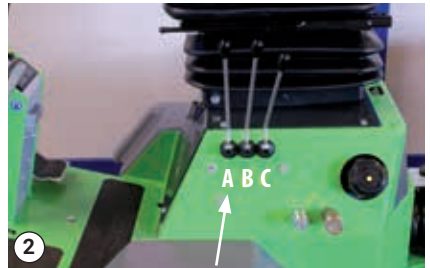
### Adjusting the breadth

If the machine is operating in areas with very sharp turns, the blade can be moved farther out to the side.

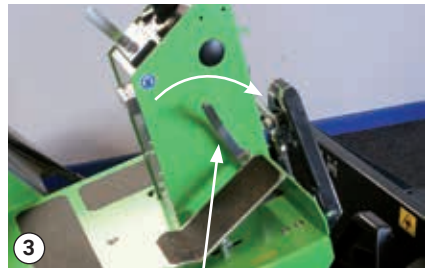
1. To stop the lawn edger, push lever D down into position 0. (Picture 1)
2. To raise the lawn edger, push lever A up into position 1. (Picture 2)
3. Use the transport lock to secure the lawn edger in the raised position. (Picture 3)
4. Switch off the machine.
5. Loosen the sideways grip of the blade. (Picture 4)
6. Adjust the position of the blade as desired. The blade must not be positioned beyond the arrow. (Picture 4)
7. Re-tighten the handle.



Lever D



Lever A



Transport lock



# Operator's manual

## 2.5 Replacing the blade

The lawn edger blade can be changed, allowing the operator the choice of cutting towards/away from the machine, depending on the driving direction of the machine relative to the lawn edge.

1. To raise the lawn edger, push lever A up into position 1.
2. Switch off the machine.
3. Detach the guard by removing the wing nut under the guard. (Picture 1)
4. Remove the bolt that holds the blade. (Picture 2)
5. Remove the end piece, pipe and blade. (Picture 2)
6. Fit the other blade on the other side of the pipe, fit the end piece and tighten again.
7. Refit the guard.

Blade for cutting away from the machine  
(Picture 3)

Blade for cutting towards the machine (Picture 4)



Detaching the guard



Removing the bolt



Sharp edge



Sharp edge

# Service and maintenance

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# Service and Maintenance

## 3.1 Cleaning

Daily cleaning and maintenance will extend the lifetime of both the machine and the attachment.

Clean the lawn edger with water after use. Avoid high pressure cleaning of the snap couplings.

Wipe snap couplings clean with a cloth

## 3.2 Maintenance

### Replacing the cultivator blades

1. To raise the lawn edger, push lever A up into position 1.

2. Switch off the machine.

3. Detach the guard by removing the wing nut under the guard. (Picture 1)

4. Remove the bolt that secures the blade. (Picture 2)

5. Remove the end piece, pipe and blade. (Picture 2)

6. Disassemble the nuts and bolts that secure the cultivator blades and remove the blades. (Picture 3)

7. To fit the new cultivator blades, reverse the procedure.



Detaching the guard



Removing the bolt



Sharp edge



# Service and Maintenance

## 3.2 Maintenance - continued

### Replacing the blade

1. To raise the lawn edger, push lever A up into position 1.
2. Switch off the machine.
3. Detach the guard by removing the wing nut under the guard. (Picture 1)
4. Remove the bolt that secures the blade. (Picture 2)
5. Remove the end piece, pipe and blade.
6. To fit the new blade, reverse the procedure.



Detaching the guard



Removing the bolt

# Service and Maintenance

## 3.2 Maintenance - continued

### Replacing the wearing block

1. To raise the lawn edger, push lever A up into position 1.
2. Switch off the machine.
3. Detach the guard by removing the wing nut under the guard. (Picture 1)
4. Remove the bolt that holds the blade. (Picture 2)
5. Remove the end piece, pipe and blade. (Picture 2)
6. Unscrew the nuts and bolts that secure the wearing block and remove the block. (Picture 3)
7. To fit a new wearing block, reverse the procedure. The milled edge of the wearing block should be facing the blade and in towards the axle. (Picture 3)

New cultivator blades, blades and wearing blocks can be ordered from an authorised Egholm distributor.

### Winter storage

When it is time to store the lawn edger for the winter, we recommend the following steps:

1. Remove any loose paint and repaint any damaged areas.
2. Spray the lawn edger with protective lubricant.



Remove the guard



Remove the bolt



Screws that secure the wearing rail

# Service and Maintenance

## 3.3 Fitting instructions for the 2150/2200 lawn edger adapter

1. Remove the covering material, clips and rubber foot (Picture 1).
2. Place the adapter frame in the A-frame on the attachment. (Picture 2)
3. Push the width bolts through the plate, and position the plate in the adapter frame. (Picture 3)



Covering material



Adapter frame



Width bolts

# Service and Maintenance

## 3.3 Fitting instructions for the 2150/2200 lawn edger adapter - continued

4. Place washers and nuts on the bolts, and then tighten. (Picture 1)

5. Attach the hydraulic hoses. (Picture 2)



Tighten the nuts.



Male connector on opposite end    Female connector on opposite end

# Conditions

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# Conditions

## 4.1 Warranty

The warranty period for the materials and manufacture of the lawn edger is 12 months from the date of purchase.

In case of errors or defects on the machine within the warranty period, Egholm will carry out the necessary repairs at no charge for materials and working hours in accordance with the terms and conditions listed below.

### **The scope of warranty**

1. The Egholm warranty is only valid on presentation of the original receipt supplied with model description, serial number and date of purchase.
2. Regular checks, adjustments, services and technical alterations are not covered by the warranty.
3. All inquiries concerning the warranty are to be addressed to the place where the machine was purchased.
4. This warranty does not cover faults and defects which cannot be traced back to defects in material or production errors.
5. This warranty is valid for persons who have legally acquired the machine within the warranty period.
6. In the event of failure to perform and substantiate service in accordance with the applicable instructions, Egholm reserves the right to reject any claim made within the warranty period.
7. Egholm reserves the right to make improvements and design-related alterations to the machine without being obliged to modify previously delivered models in relation hereto.

### **The warranty does not cover**

Wear and tear, accidents, damage to the equipment caused by operating errors, changes to the construction of the machine or use of non-Egholm spare parts or attachments.

Machines with illegible serial numbers.

Damage caused by force majeure, such as lightning, flood, fire, war, civil disturbance, etc., or other causes over which Egholm has no control.

## 4.2 Complaints

All inquiries regarding the machine should be made at the distributor from whom the machine was purchased. This applies to inquiries concerning normal use, service, maintenance and spare parts as well as to any complaints.

We wish you many years of safe and satisfactory use of your machine.

Best regards  
Egholm A/S

## 4.3 Disposal

When, many years from now, your lawn edger has reached the end of its working life, it should be disposed of in a responsible manner that conforms with relevant disposal regulations.

1. Used hydraulic oil is to be disposed of at an approved waste disposal facility or site.
2. Remove the plastic and rubber parts and dispose of them in accordance with the applicable environmental legislation.
3. After the parts mentioned have been removed, the machine is ready to be handed over to an authorised municipal scrap merchant.

# Wearing parts

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# Wearing parts

## 5.1 Wearing parts – Park Ranger 2150 lawn edger



E09701270 Rubber wheel



E09701070 Nylon wearing rail



E01700040 Bearing for rubber wheel



E09722710 Rubber guard



E09806930 Blade



E90501481 Cultivator blade set for lawn edger – left



E90501701 Cultivator blade set for lawn edger – right

# Notes



# Honest Work.

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