

Operator's manual



**Hedge cutter
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 Hedge cutter

To ensure optimal performance from your Park Ranger 2150 Hedge cutter, 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 Hedge cutter 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 Hedge cutter 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 or tools 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 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 must 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 omissions in the operator's manual.

Contact Egholm

Please do not hesitate to contact Egholm if you have questions of any kind regarding your new Egholm product.

Best regards,
Egholm A/S · Transportvej 27 · DK-7620 Lemvig
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E-mail: info@egholm.dk · www.egholm.eu

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The Park Ranger 2150 Hedge cutter operates quickly and effectively on hedges and bushes up to 3 metres in height and on branch thicknesses up to 20 mm (depending on the species of tree). The Hedge cutter is fixed at the front of the machine and controlled from the cab.

The Hedge cutter can easily be adjusted to trim horizontally, vertically or at any angle required.

During transport, the Hedge cutter is folded to save as much space as possible.

Attach and detach the Hedge cutter in under a minute with no tools required.

When detached, the Hedge cutter rests on four wheels and is extremely easy to store.

General information

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General information

1.1 Safety



NB

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



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

To avoid the risk of personal injury, stay clear of the cutting bar when it is being lowered and tilted.



Cover the cutting bar when the Hedge cutter is not in use or during transport

Remove the cover immediately prior to use. (Picture 2)



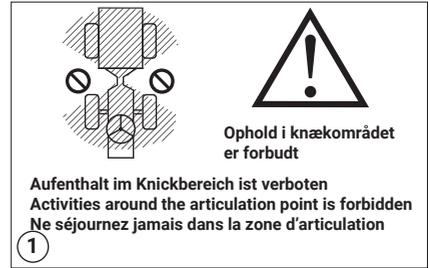
In the case of maintenance or repair, always switch off the motor

The attachment motor must be stopped before any adjustment, maintenance or repair can be carried out on the Hedge cutter.



Avoid roll-overs

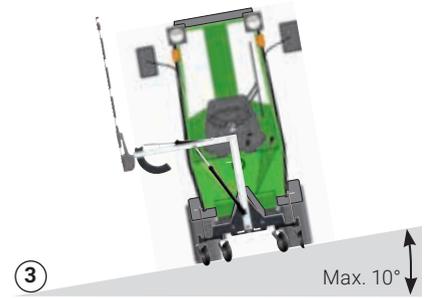
Do not drive the machine in a place where it can slide, tip or roll. Do not drive on slopes with an incline of more than 10 degrees. The tyre pressure must be checked and adjusted to 1.5 bar (22 psi) when the Hedge cutter is attached. Low tyre pressure increases the risk of roll-overs. (Picture 3)



Ensure that no-one stands in the working area



Protective covering



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: **Hedge cutter**
Model: **Elkær Maskiner**
Type: **HK 1300 MINI / 2200**

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

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.

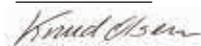
Person authorized to compile the technical documentation:

Knud Olesed
Egholm A/S
Transportvej 27
7620 Lemvig

Place: Lemvig, Denmark

Date:

Signature:



Knud Olsen, Senior Engineer

General information

1.3 Technical data

Dimensions	Attached	Storage dimensions
Length (L).....	3,500 mm	1,000 mm
Width (W).....	1,600 mm	1,600 mm
Height (H) incl. cab.....	1,960 mm	1,450 mm
Height (H) incl. roll bar.....	2,000 mm	

Technical data

TypeHP.....	1300 MINI / 2200
Max. horizontal reach.....	2,500 mm
Cutting width.....	1,300 mm
Horizontal cutting height.....	300-2,100 mm
Vertical cutting height.....	0-3,200 mm
Angle for cutting bar.....	270°
Max. branch thickness.....	20 mm
Operating speed.....	1-3 km/h
Weight.....	130 kg
Hydraulic oil.....	Texaco Rando HDZ 46 or equivalent

NB

Specifications may be changed without prior notice.

Information plate

(Picture 1)



Type plate

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2.1 Assembly / Disassembly

1. The locking handle on the A-frame of the basic machine must be in the unlocked position. (Picture 1)

Tips!

Raise the Hedge cutter front wheels free of the ground and lower the support struts, so that the Hedge cutter A-frame is angled back.

This makes it much easier to 'catch' the A-frame when attaching. (Picture 2)

2. Drive the machine right up to the A-frame of the Hedge cutter so the A-frames fit into each other. (Picture 3)

3. Raise the A-frame using lever A on the left-hand side of the base machine until the Hedge cutter is freely suspended above the ground. (Picture 4)

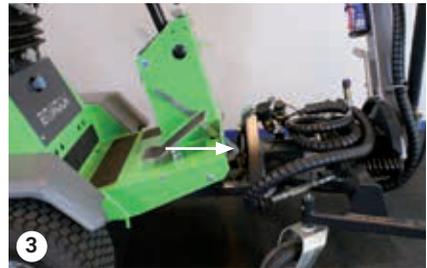
4. Switch off the engine.



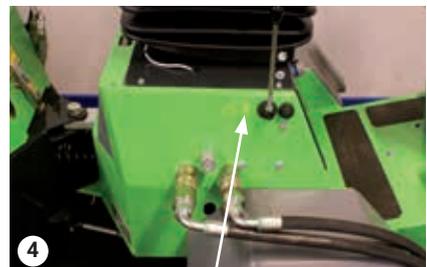
Unlocked A-frame



Support strut lowered



Locking



Lever D

Operator's manual

2.1 Assembly / Disassembly - continued

5. Lock the Hedge cutter in place with the locking handle on the A-frame. (Picture 1)
Fit the hydraulic hoses to connectors B, C and D.

6. Pull out pin on each wheel support strut.
Raise support struts all the way and replace the pins. (Picture 2)

7. Removal:
Follow the procedure for fitting in reverse order.
To avoid accidents when detaching the Hedge cutter, always make sure the machine is on a level and stable surface.
Put the protective caps on the snap couplings to protect them from dirt.



Lock A-frame



Support strut up

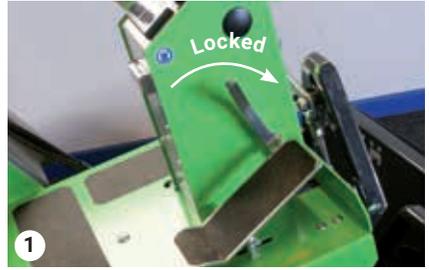
Pin

2.2 Before start-up

During transport

Lock the Hedge cutter in the raised position using the transport lock.

This prevents the attachment from lowering inadvertently during transport.



Transport lock in locked position

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2.3 Start-up

1. Remove the protective cover from the cutting bar. (Picture 1)

2. Start the machine.

3. To start the Hedge cutter, push lever D on the right-hand side of the machine up to position 1. (Picture 2)

4. Lower the Hedge cutter by pushing lever A on the left-hand side of the machine down to position 2. (Pictures 3 and 4)

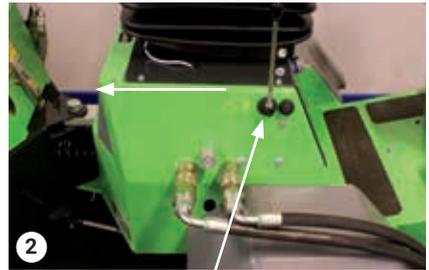


NB!

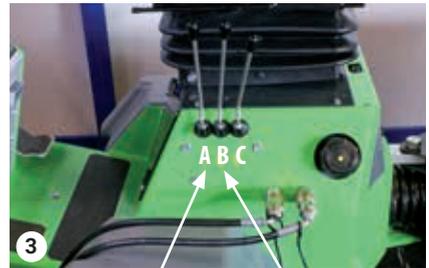
Make sure no one is standing close to the machine while it is in use.



Protective covering



Lever D



Lever A

Lever B



Wheels on surface

2.4 Setting trimmer position

To set trimmer position, move Levers B and C either towards or away from the seat. (Picture 1)

Hedge trimming on the left of the machine

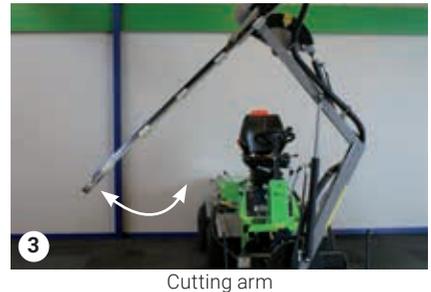
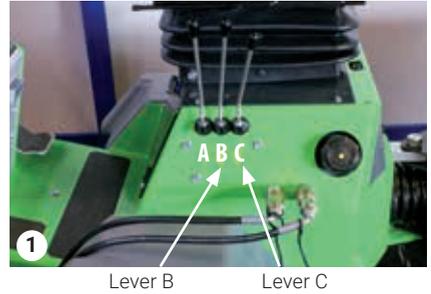
1. Use Lever C to move the cutting arm. (Picture 2)

2. Use Lever B to move the cutting bar. (Picture 3)

Horizontal/vertical hedge trimming to the left

1. Activate Lever B until the cutting bar reaches the required position.

2. To trim at higher horizontal/vertical positions: Activate Lever C to move the cutting arm upwards. Use Lever B to reposition the cutting bar.



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2.4 Setting trimmer position - continued

Change from left to right side of machine

1. Use Lever B to move the cutting bar. Do not stop the machine until the cutting bar end is on the right. (Picture 1)

2. Move the boom from left to right position. Free the locking pin by turning the handle out to 90°.

The boom can now be tilted to the right side and locked. (Pictures 2 + 3)

Tips!

Narrow paths

If a narrow path has to be trimmed, tilt the boom all the way over to the opposite side. The cutting bar remains close to the machine.

Tips!

Reach

If a long side-reach is required, tilt the boom to the side where trimming is to be done. (Picture 4)



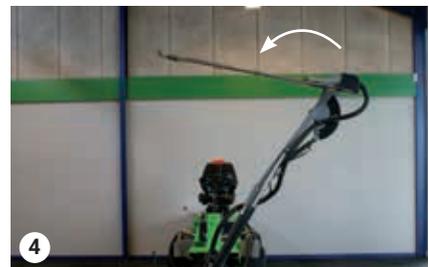
1 Cutting bar on right side.



2 Boom adjustment



3 Locking pin



4 Arm to right

2.4 Setting trimmer position - continued

Horizontal/vertical hedge trimming on the left side

1. Activate Lever B until the cutting bar reaches the required position.
2. To trim at higher horizontal/vertical positions: Activate Lever C to raise the cutting arm to the required height. Use Lever B to reposition the cutting bar.

Tips!

Trim hedges and bushes from below, i.e. with the cutting bar turned with the outer part down, so that the skid just touches the ground. Start trimming.

The cutting bar is then raised higher up the hedge, so that the same section is trimmed all the way to the top. (Picture 1)

Operating speed

Depending on the conditions, an operating speed of 1–3 km/h is recommended.



Skid

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 Hedge cutter with water after use. Avoid high-pressure cleaning of the snap couplings.

Wipe snap couplings clean with a cloth. (Picture 1)



Cleaning the couplings

3.2 Maintenance

Check all the bolts and tighten if required after a few hours of operation, and once every season thereafter.

Lubricate blades and blade holders every two hours. (Picture 2)

Lubricating nipples on all moveable parts must be re-filled at least once every season. (Picture 3)

Defective blades must be replaced immediately. This ensures effective trimming and reduces wear and tear on the Hedge cutter.

Blade replacement must only be carried out by an authorised Egholm dealer



Lubricating blade



Lubricating nipples

Conditions

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4.1 Warranty

The warranty period for the materials and manufacture of the Hedge cutter 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.

Conditions

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 any complaints.

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

Best regards,
Egholm A/S

4.3 Disposal

When – many years from now – your Hedge cutter comes to the end of its working life, it should be disposed of in a responsible manner and conform with the 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 approved scrap merchant.

Wearing parts

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Wearing parts

5.1 Wearing Parts - Park Ranger 2150 Hedge cutter



E90601370 Complete blade set



E90601050 Blade tooth



E90601410 Complete upper blade



E90601060 Rivet



E90601420 Complete lower blade



E01100330 Wheel



E90601030 Knife guide



E02901080 Lubricant spray



E90601100 Skid

Honest Work.

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