

Operator's manual



**Tipping shovel
Park Ranger 2150**

Introduction

Dear Customer

Congratulations with your Egholm product

The Park Ranger 2150 is a Danish designed and manufactured product, which offers a very flexible way of maintaining outdoor areas.

Optimal use of your Park Ranger 2150 tipping shovel

To ensure optimal performance of your Park Ranger 2150 tipping shovel, 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 tipping shovel is equipped with various devices to ensure optimal operational safety, both for the user and the surroundings. We therefore ask you to pay particular attention to Safety section 1.1. The machine must only be serviced by professionals.

The tipping shovel is intended only for professional use, and on delivery, the user will receive thorough instructions in the use of the machine and will thus become a competent operator. Do not lend the machine to anyone who has not been thoroughly trained and has not read this manual carefully.

The operator's manual should be considered as a permanent part of 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 shows what you should pay special attention to.



Reservations

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

Contact us

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

Best regards

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General information

The tipping shovel makes light work of transporting gravel, sand or mould and saves the operator many lifts during the working day. 100 kg is easily transported from one place to another - even on the narrowest paths.

The hydraulic tipping function is easy to work with and perfect when, for example, the load has to be tipped over an obstacle such as sandpit edges or low hedges.

And the load can be spread even while tipping. The layer is levelled with the shovel edge, giving a finished result.

The tipping shovel is a robust steel construction which can perform many tasks other than shovelling, such as scraping grass edges of paths with firm surfaces.

General information

**Honest
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.



N.B!

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.

Keep your hands and fingers away from the tipping shovel when it is in use as there is a danger of crushing. (Picture 2)



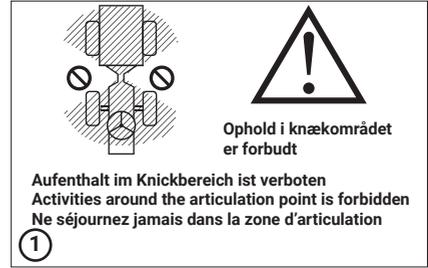
Avoid roll-overs

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°. (Picture 3)



Reduction of noise and energy consumption

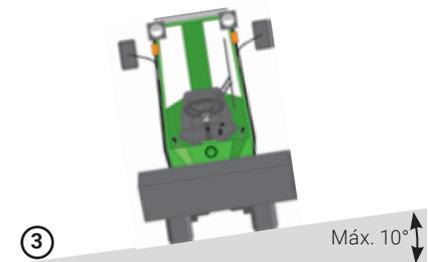
It is recommended not to drive with a higher engine speed than necessary, to reduce the noise and the energy consumption.



Prevent people from standing in the working area



Warning



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

General information

1.2 EC Declaration of Conformity for Machinery

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

hereby declares that

Machine: **Tipping shovel 2150**
Type: **VS200**

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

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.

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.

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

General information

1.3 Technical data

Dimensions

	Assembled	Storage dimensions
Length (L)	2,790 mm	670 mm
Width (B)	1,045 mm	1,045 mm
Height with cab	1,935 mm	
Height		405 mm

Technical data

Type description	VS200
Weight of tipping shovel	38 kg
Tipping shovel volume	66 l
Lifting capacity	100 kg
Ground clearance below scraping edge, lifted	480 mm

Attention

Specifications may be changed without prior notice.

Operator's manual

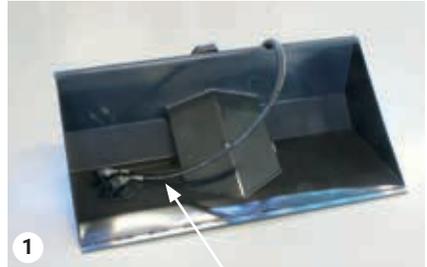
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2.1 Assembly / Disassembly

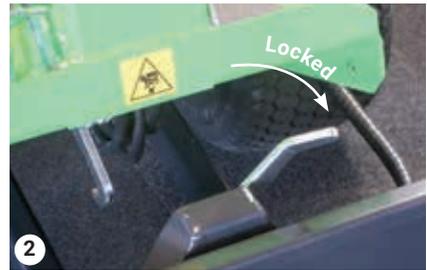
1. It is recommended that the hydraulic hoses should be run over the edge of the shovel blade to keep them clear and free from dirt when the tipping shovel is fitted. (Picture 1)
2. The locking handle on the A-frame of the machine must be in the open position.
3. Drive the machine right up to the A-frame of the tipping shovel, so the A-frames fit into each other. (Picture 2)
4. Raise the A-frame with lever A on the left-hand side of the machine until the tipping shovel is freely suspended above the ground. (Picture 3)
5. Lock the tipping shovel in place with the locking handle on the A-frame. (Picture 2)
6. Stop the machine.
7. Fit the hydraulic hoses on the B-connectors on the left-hand side of the machine. (Picture 3)
8. Attach the hydraulic hoses with the rubber strap under the running board to ensure it runs correctly over the screen. (Picture 4)

Disassembly

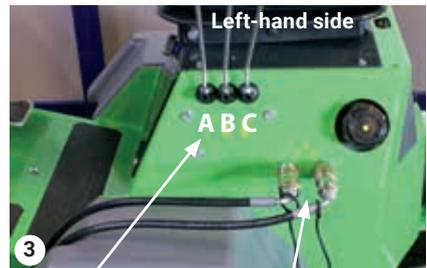
Follow the procedure for fitting in reverse order. Put the protective caps on the snap couplings to protect them from dirt.



Hydraulic hoses

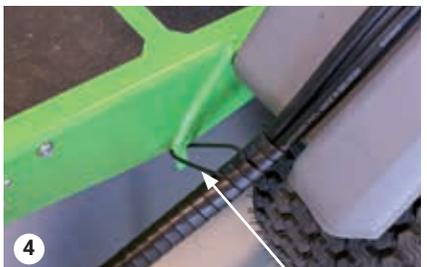


Locking handle on the A-frame - open



Lever A

B-connectors

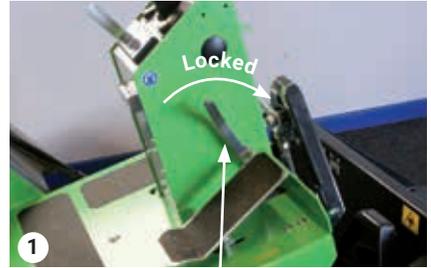


The hoses are fastened with a rubber strap

Operator's manual

2.2 Before start-up

During transport, lock the tipping shovel in the raised position with the transport lock.
(Picture 1)



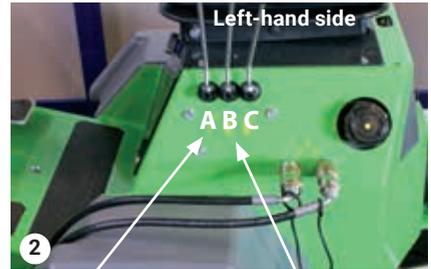
Transport lock

2.3 Start-up

Raising and lowering the tipping shovel

· Raise the tipping shovel by pushing lever A on the left-hand side of the machine up to position 1.
(Picture 2)

· Lower the tipping shovel by pushing lever A on the left-hand side of the machine down to position 2. (Picture 2)



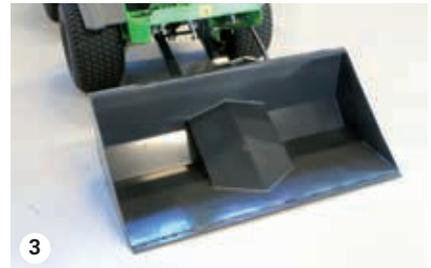
Lever A

Lever B

Tipping the shovel blade

· Tip the shovel blade upwards by pushing lever B on the left-hand side of the machine up to position 1. (Picture 2)

· Tip the shovel blade downwards by pushing lever B on the left-hand side of the machine down to position 2. (Picture 2)



Shovel lowered



Warning!

Make sure to avoid driving over manhole covers or similar obstacles to avoid damaging the edge.



Warning!

Make sure there is no one close to the machine when it is running.



N.B!

It is recommended not to drive with a higher engine speed than necessary, to reduce the noise and the energy consumption.



Shovel raised and tipped

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 tipping shovel with clean water after use.

3.2 Maintenance

It is recommended that you regularly remove any loose paint and repaint any damaged areas.

Conditions

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Conditions

4.1 Warranty

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

In case of faults or defects in the machine within the warranty period, Egholm will carry out the necessary repairs without 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 therefore cover

- Wear and tear, accidents, damage to the equipment caused by operating errors, negligence, 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. as well as damage resulting from incorrect or insufficient maintenance, consequential damage 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 tipping shovel 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 authorised municipal scrap merchant.

Notes

Notes

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