

# Operator's manual



**Snow Blower  
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 snow blower**

To ensure optimal performance of your Park Ranger 2150 snow blower, 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 snow blower 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 snow blower 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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## 1. General information

The snow blower is a tool for dealing with large volumes of snow and quickly deals with up to 50 cm of snow in a working width of 1 metre.

It can plough through snowdrifts and send the snow wherever you wish via the hydraulically adjustable discharge chute.

The snow blower is very powerful and can throw snow high up over hedges or other obstacles – far away from cyclists and pedestrians.

## Useful tips

Spray silicone inside the discharge chute before use. This makes it smoother and so the discharge capacity is increased.

Wipe the snap couplings before fitting, as this protects the hydraulic system.

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

# General information

**Honest  
Machines**

# General information

## 1.1 Safety



### **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)



### **Make sure no one is standing too 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.

Make sure there are no people or objects which can be damaged within 60 metres of the discharge direction. There can be things hidden in the snow which can be ejected at high speed, with subsequent risks of serious injury or damage.



### **Inspect the working area:**

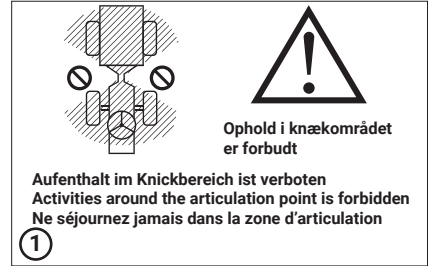
The working area must be inspected carefully before snow clearing is started, foreign elements can be very dangerous if they are discharged with the snow.



### **Warning! Rotating parts!**

Make sure that no one puts their fingers or toes into the snow blower while it is running, to avoid personal injuries. (Pictures 2 - 4)

**Make sure that no one puts their hands or any objects into the discharge chute when the snow blower is running, to avoid injuries. (Picture 2)**

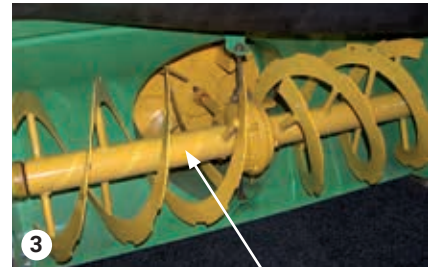


①

Prevent people from standing in the working area



Warning! Rotating parts!



Keep away from the auger



④

# General information



## **Avoid crushing fingers:**

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



## **Stop the machine before servicing the snow blower:**

No form of service whatsoever may be carried out on the snow blower while the machine is running.



## **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 1)



## **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.



## **Avoid damage to your hearing:**

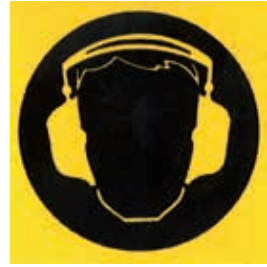
Use approved hearing protectors while the machine is in use. (Picture 2)



①

Max. 10°

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



②

Use approved hearing protectors

## 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: **Snow blower 2150**  
Type: **SN100**

· 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>	Assembled:	Storage dimensions:
Length (L)	2,740 mm	790 mm
Width (W)	1,015 mm	1,010 mm
Height with cab	1,935 mm	
Height		1,050 mm

<b>Technical data:</b>	
Type description	SN100
Clearing width	1,000 mm
Intake height	600 mm
Ground clearance below snow blower	420 mm
Weight of snow blower	105 kg

### **N.B!**

Specifications may be changed without prior notice.



# Operator's manual

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# Operator's manual

## 2.1 Assembly / Disassembly

1. Make sure to keep the hydraulic hoses clear and free from dirt when the snow blower is being fitted.

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

3. Drive the basic machine right up to the A-frame of the snow blower, so the A-frames fit into each other.

4. Raise the A-frame with lever A until the snow blower is freely suspended above the ground. (Picture 2)

5. Lock the snow blower in place with the locking handle on the A-frame. (Picture 1)

6. Stop the machine. (See the operator's manual for the basic machine, section 2.2)

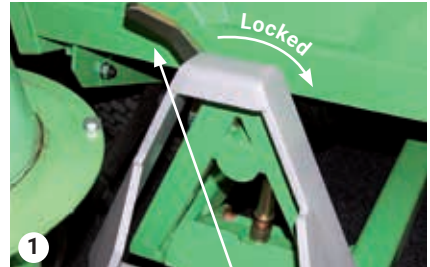
7. Fit the hydraulic hoses for turning the discharge chute to the B-connectors. (Picture 2)

8. Fit the hydraulic hoses for rotating the auger to the D-connectors. (Picture 3)

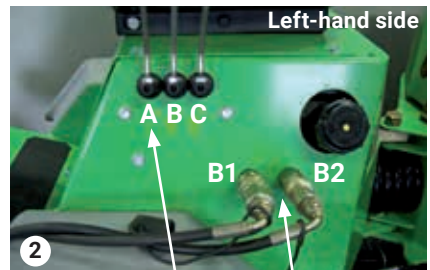
9. Attach the hydraulic hoses with the rubber ring under the running board to ensure it runs correctly over the screen. (Picture 4)

### Disassembly

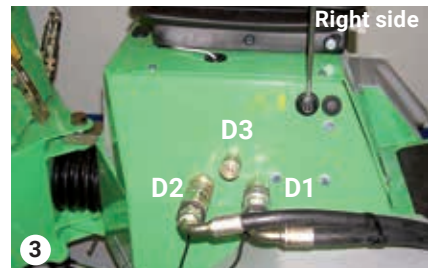
Follow the procedure for fitting in reverse order. Put the protective caps on the snap couplings to protect them from dirt.



Locking handle on the A-frame - open



Lever A B-connectors



D-connectors



The hoses are fastened with a rubber strap

## 2.2. Before start-up

During transport lock the snow blower in the raised position with the transport lock. (Picture 1)

## 2.3 Start-up

1. The angle of discharge is altered manually by changing the angle of the upper part of the discharge chute; stop the machine before changing the angle. (Picture 2)
2. Start the machine. (See the operator's manual for the basic machine, section 2.2)
3. Lower the snow blower by pushing lever A down to position 2 and holding it there for approximately 2 seconds; the snow blower is now in a floating position and follows the contours of the ground. (Picture 3)
4. Turn the discharge chute using lever B until it is in the required position. (Picture 3)
5. Start the auger by pushing lever D up to position 1. (Picture 4)
6. Adjust your driving speed so that the snow blower can deal with the snow.



### **N.B!**

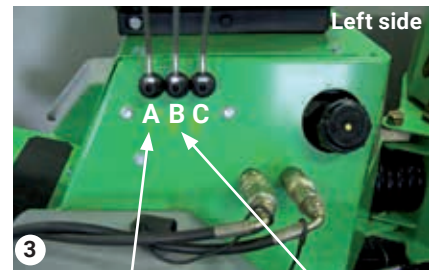
The working area must be inspected carefully before snow clearing is started, foreign elements can be very dangerous if they are discharged with the snow.



Transport lock

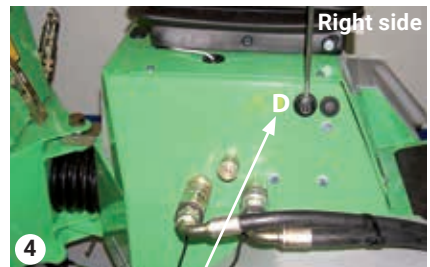


Changing the discharge direction



Lever A

Lever B



Lever D

# Operator's manual



## **N.B!**

Make sure there are no people or objects which can be damaged within 60 metres in the discharge direction. There can be things hidden in the snow which can be ejected at high speed, with subsequent risks of serious injury or damage.

## **After clearing the snow:**

Let the snow blower run for a couple of minutes after you have finished clearing the snow to make sure no snow is left, as this can freeze up the auger.

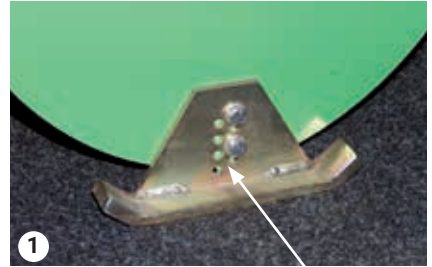
## **2.4 Adjustment**

### **Adjusting the intake height:**

Adjust the skid shoe to the correct height above the ground. Stones and pebbles can cause damage both to the machine and to other things.

1. Unscrew the nuts and bolts which hold the skid shoe.
2. Reattach the skid shoe at the required height.

Adjust the skid shoes on the opposite side in the same way.



Adjusting the skid shoes

# **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 snow blower with water after use.

## 3.2 Maintenance

### Lubricating the swivel for the discharge chute

The swivel for the discharge chute must be lubricated regularly with good quality lubricant.

1. Stop the machine.
2. Clean the lubricating nipple and lubricate the swivel until the grease starts to come out. (Picture 1)

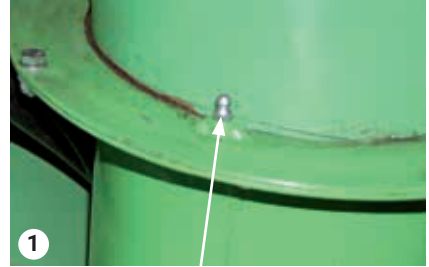
### Changing the safety bolts

In each of the two augers there is a safety bolt which can shear if the auger catches on something in the snow.

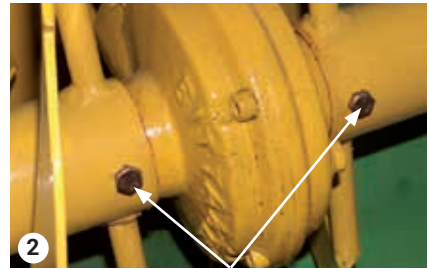
1. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
2. Disconnect the hydraulic hoses.
3. Remove the sheared bolt.
4. Push a new bolt through the auger and put on the nut.

These safety bolts must be original bolts, which can be ordered from an authorised Egholm distributor.

Egholm item no. E03200430 and E03803060



Location of the lubricating nipple on the discharge chute



Safety bolts

# Service and Maintenance

## Before storing the snow blower after the season, do the following:

1. Inspect the snow blower carefully for any damage, and repair any damage found.
2. Remove any loose paint and repaint any damaged areas.
3. Spray the snow blower with preservative oil (to prevent rust).

## 3.3 Troubleshooting

### Blockage in the discharge chute:

1. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
2. Remove the hydraulic hoses.
3. Move the top section of the discharge chute so that it is completely upright. (Picture 1)
4. Pick up the wooden shaft which is on the snow blower and push down the compacted snow until the chute is no longer blocked. (Pictures 2 and 3)
5. Put the shaft back in place.
6. Reconnect the hydraulic hoses.



### Stop the machine before working on the snow blower:

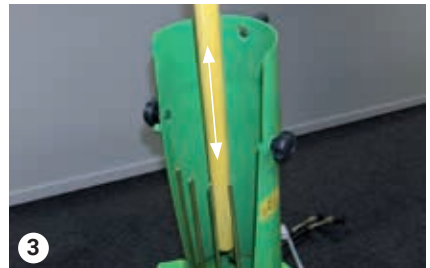
No form of service whatsoever may be carried out on the snow blower while the machine is running.



Adjust the spout so that it is completely upright



Use the wooden shaft



to push out the snow



# Conditions

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Machines**



## 4.1 Warranty

The warranty period for the materials and manufacture of this snow blower 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 to the customer, including 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 attachment 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, in many years from now, your snow blower 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 aforementioned parts have been removed, the machine is ready to be handed over to a local approved scrap merchants.



# Notes



# Honest Work.

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