

## *OPERATOR'S MANUAL*

### *Weed Brush*



# Introduction

*Dear Customer*

**Thank you for buying an Egholm product.**

The Egholm 2001 is a Danish designed and manufactured product which offers a very flexible way of maintaining outdoor areas.

**How to make the most of your Egholm Weed Brush:**

To ensure the optimal performance of your Egholm Weed Brush, please read this operator's manual carefully before starting to use the machine. Failure to do so can result in personal injury and damage to the machine.

**Safety:**

The Weed Brush 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 Section 1.1 Safety. The machine must only be serviced by professionals.

The Weed Brush is designed only for use by professionals. On delivery, the user will be given a thorough training in using the machine, so that he becomes 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 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 shows what you should pay special attention to.

**Reservations:**

As it is the Egholm policy to make continuous improvements, we reserve the right to alter the specifications and equipment at any time without notice. Egholm Maskiner A/S 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 Maskiner A/S.

Best regards

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## 1. General information

The Weed Brush has been specially developed for the Egholm utility machine

The Weed Brush is used to remove weeds from kerbs, pavements and roads.

The Weed Brush features a sturdy, front-mounted steel brush that is hydraulically adjustable in all directions.

The Weed Brush can be fitted together with the collecting tank from the Suction Sweeper Unit in order to collect weeds and seeds loosened by the brush.

The Weed Brush can be assembled and disassembled without using tools.

## Useful tips

Always start your weed control in early spring. A perfect result requires repeated efforts throughout the summer.

Grass tufts by the edges of paths and pavements are easiest to remove when they are moist. Here, too, you should start weed removal before the grass starts to grow.

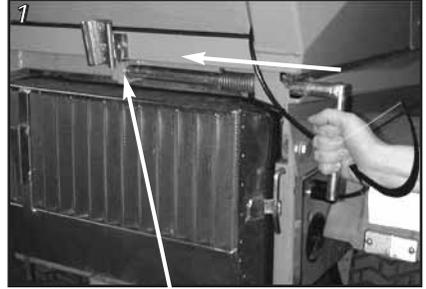
Large, heavy or damp grass tufts can be difficult for the machine to collect. Therefore, for a perfect result, leave them to dry for a couple of days before using the Suction Sweeper Unit to remove them.

# 1. General information

## 1.1 Safety

### Mounting:

Make sure that the attachment has been fitted correctly and that the locking handle can be moved to locked position. (Picture 1)



Locked position



### **Make sure no one is standing close to the machine:**

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



### **N.B!**

As it is articulated, the rear end of the machine swings out when turning. Make sure no one is near the machine as there is a danger of crushing. (Picture 2)

2



Prevent people from standing in the working area.



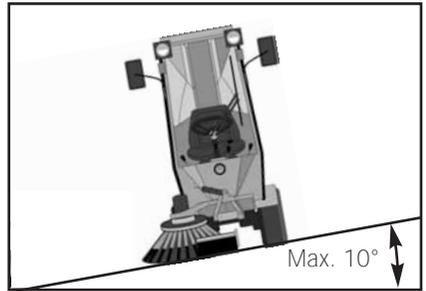
### **Risk of crushing fingers and feet:**

Make sure to keep fingers and feet well away from the Weed Brush while it is operating.



### **Avoid roll-overs:**

Do not operate the machine in places where it can slide, tip or roll. Do not operate on slopes with an incline of more than 10°. (Picture 3)



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



### **Reduction of noise and energy consumption:**

We recommend that you avoid driving with a higher engine speed than necessary so as to reduce noise and energy consumption.

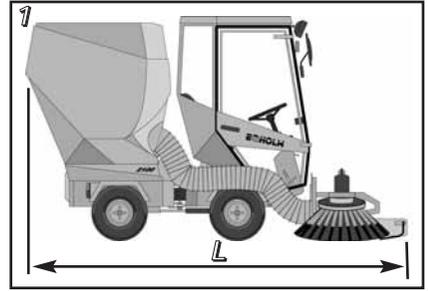


# 1. General information

## 1.3 Technical data

### Dimensions:

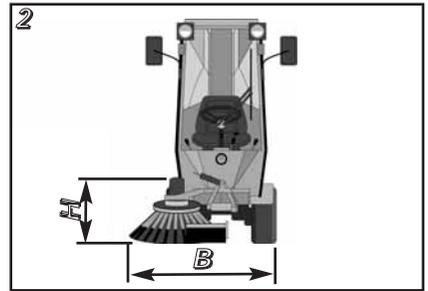
	Assembled:	Storage dimensions:
Length (L):	4,150 mm	1330 mm
Width (W):	1,180 mm	900 mm
Height without cab (H):	630 mm	630 mm
Height with cab:	1,935 mm	



Side view

### Technical data:

Type description:	UB1
Weed Brush diameter:	700 mm
Revolutions:	114/min.
Ground clearance below suction mouth:	30 mm
Ground clearance below brush:	160 mm
Unladen weight	85 kg



Front view

### **N.B!**

Specifications may be changed without prior notice.

# 2. Operator's manual

## 2.1 Assembly / Disassembly

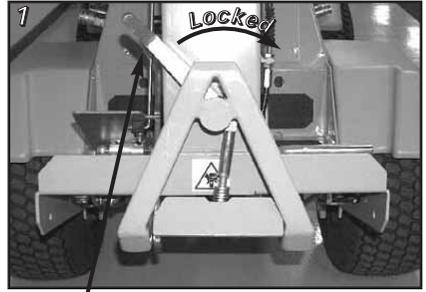
### Assembly:

1. The locking handle on the A-frame of the basic unit must be in the open position. (Picture 1)
2. Drive the machine right up to the A-frame of the Weed Brush so that the A-frames fit into each other.

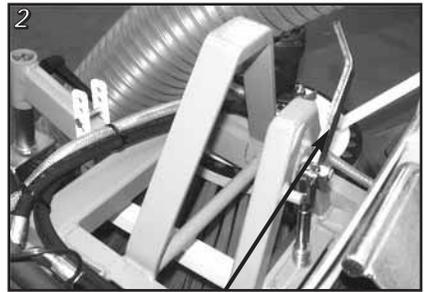
*NB! We recommend raising the basic unit A-frame slightly to prevent damage to the paintwork on the Weed Brush when the two A-frames make contact.*

3. Use lever A to lift the A-frame until the brushes are raised clear of the ground. (Picture 3)
4. Use the locking handle on the A-frame to lock the Weed Brush in position. (Picture 2)
5. Fit the two medium-sized hydraulic hoses to the B-connectors. (Picture 3)
6. Use the rubber ring to attach the hydraulic hoses under the running board to ensure that they run correctly across the screen. (Picture 4)

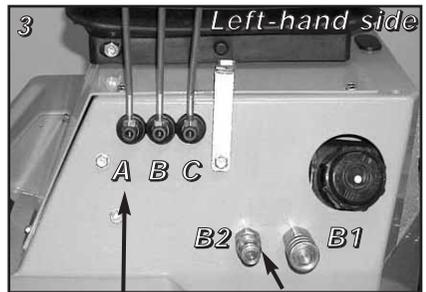
*continued overleaf*



Locking handle on the A-frame - open



Locking handle



Lever A

B-connector



The hoses are fastened with a rubber strap

## 2. Operator's manual

### 2.1 Assembly, continued...

7. Run the two small hydraulic hoses between the D2 and D3 connectors and attach them to the C-connector. (Pictures 1+2)

#### N.B!

For collecting tanks without three-way valve: The hydraulic hoses for tipping the collecting tank must be disconnected from connector C before the snap couplings from the Weed Brush can be attached.

8. Fit the large male connector to D1. (Picture 1)
9. Connect the hydraulic hoses from the collecting tank to D2, D3 and above the male connector on D1. (Picture 3)
10. Connect the suction hose. (Picture 4)

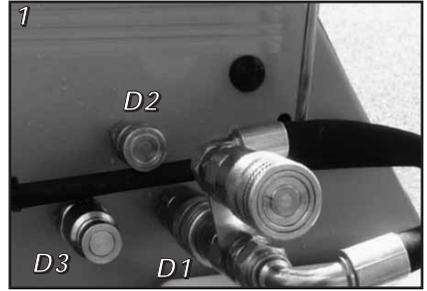
#### Assembling the collecting tank:

See Section 2.1 of the operator's manual for the Suction Sweeper Unit.

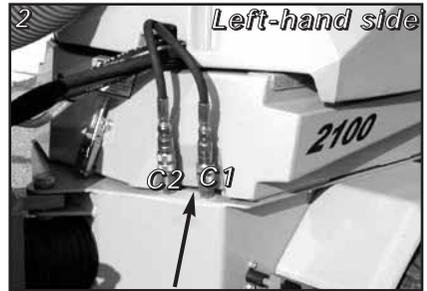
#### Disassembly:

1. Position the Weed Brush so that it is level with the ground.
2. Tip the Weed Brush forwards in the direction of travel.
3. Stop the machine. (See the operator's manual for the basic unit, section 2.2)
4. Release the pressure from the hydraulic hoses.

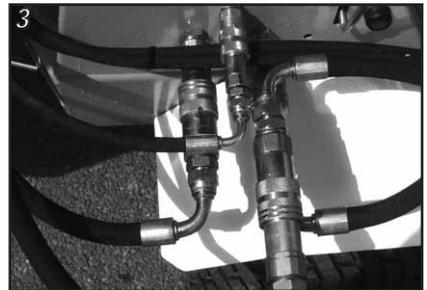
Then simply reverse the procedure for assembling the unit.



Leading the hydraulic hoses between the connectors



C-connector



Attaching the hydraulic hoses from the collecting tank



Fitting the suction hose

# 2. Operator's manual

## 2.2 Start-up

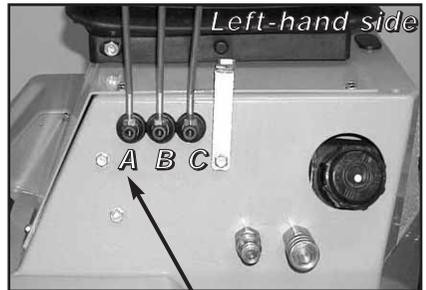
1. Start the machine. (See the operator's manual for the basic unit, section 2.2)
2. Turn the throttle until it is at least half open. (Picture 1)
3. Slowly move lever D up to position 1. The Weed Brush will begin to rotate and the suction will start. (Picture 2)
4. Now fully engage the throttle (full power).
5. Start to drive forwards.



Throttle



Lever D



Lever A



The machine must be in motion while the brush is rotating.



### **N.B!**

If the machine stands still while the Weed Brush is operating, a ring may be worn into the road surface. Therefore, the Egholm 2100 should always be in motion before the Weed Brush is lowered!

6. Use lever A to lower the brush. (Picture 3)



### **Warning!**

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



### **N.B!**

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

## 2. Operator's manual

### 2.3 Emptying the collecting tank

#### **With three-way valve:**

If the collecting tank is fitted with a three-way valve, use lever C to empty the tank. (Picture 2)

#### **Without three-way valve:**

If the collecting tank is not fitted with a three-way valve, disconnect the Weed Brush hydraulic hoses from C1 and C2 and connect the collecting tank hoses to C1 and C2 before emptying the tank. (Picture 1)

Reconnect the hydraulic hoses in the reverse order after emptying the collecting tank.

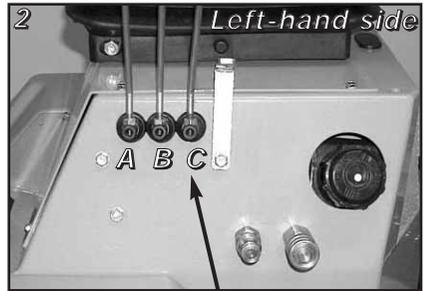


#### **N.B!**

There is a risk of crushing fingers when emptying the collecting tank.



C connector



Lever C

### 2.4 Adjustment

#### **Removing weeds from the side of the road:**

When removing weeds from the side of the road, we recommend that you tilt the Weed Brush to the right towards the edge of the road. To do this:

- Move lever C up to position 1. (Picture 2)

#### **To tilt the Weed Brush to the left:**

- Move lever C down to position 2. (Picture 2)

#### **To tilt the Weed Brush forwards:**

This will result in pressure being applied to the front part of the brush:

- Move lever B down into position 2. (Picture 2)

#### **To tilt the Weed Brush backwards**

- Move lever B up to position 1. (Picture 2)



## 2. Operator's manual

### **Adjusting the wearing rail:**

The roller brush ensures that the weeds are collected in the collecting tank.

The wearing rail holds the roller brush and must always be in contact with the ground to ensure that the roller brush functions optimally. (Picture 1)

If the wearing rail is correctly adjusted, it will follow the terrain.



Roller brush

Wearing rail

### **Correct setting of the wearing rail:**

The wearing rail is correctly adjusted if there are 2-3 mm of space between the metal and the A-frame. (Picture 2)

If the gap is too large, the rail cannot be lifted clear of the ground. The wearing rail is therefore correctly adjusted when it is clear of the ground in "lifted" position.

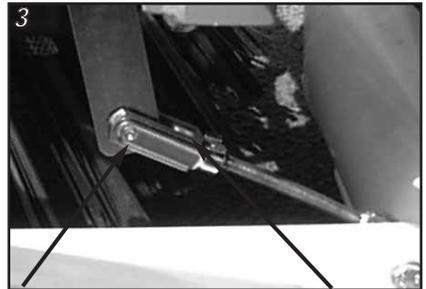


2-3 mm gap between the metal and the A-frame

### **To adjust the wearing rail:**

1. Lower the wearing rail.
2. Remove the forked bolt. (Picture 3)
3. Turn the fork end in towards the wearing rail. (Picture 3)

*The shorter the threaded section, the more the wearing rail will be raised.*



The forked bolt

The fork end

# 3. Service and Maintenance

## 3.1 Cleaning

Clean the Weed Brush with clean water.



When cleaning, check to see whether any string, etc. has become wrapped around the roller brush. If so, remove it from the roller brush to allow the roller brush to rotate freely.



Roller brush

Casing

## 3.2 Maintenance

### Replacing the wearing rail:

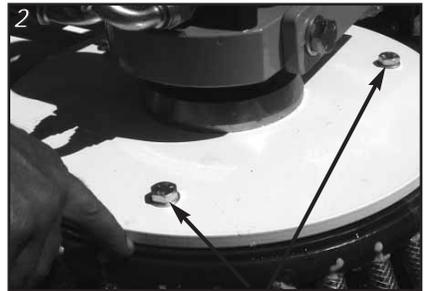
The wearing rail must not be worn down further than to the casing.

New wearing rails may only be fitted by authorised Egholm distributors.

### Replacing the steel brush:

1. Stop the machine.
2. Loosen the bolts on the top of the steel brush. (Picture 2)
3. Remove the steel brush.
4. Fit the new brush.

You can order new steel brushes from an authorised Egholmdistributor.



The bolts that hold the steel brush in place

### Replacing the roller brush:

1. Stop the machine.
2. Loosen the bolt that holds the roller brush in place. (Picture 3)
3. Loosen the bolts that hold the oil motor in place. (Picture 4)
4. Remove the oil motor.
5. Remove the roller brush.

To fit the new roller brush, reverse the procedure. You can order new roller brushes from an authorised Egholm distributor.



Loosen the bolt that holds the roller brush in place



Loosen the bolts that hold the oil motor in place

# 3. Service and Maintenance

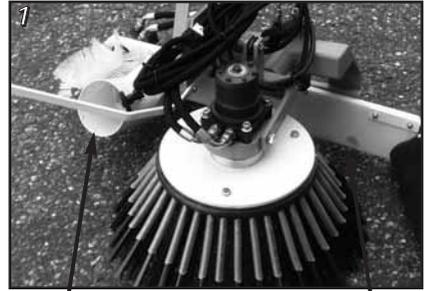
## 3.3 Troubleshooting

### ***If weeds remain lying on the ground:***

For the machine to collect weeds in the collecting tank, the roller brush must touch the ground. To adjust the position of the roller, change the setting of the wearing rail. (See Section 2.4)

### ***If branches or twigs block the suction mouth:***

1. Stop the machine. (See Section 2.2 of the operator's manual for the basic unit)
2. Disconnect the suction hose from the suction mouth. (Picture 2)
3. Remove branches and twigs manually.
4. Reconnect the suction hose.



Roller brush

Wearing rail



Disconnect the suction hose

### ***If the suction hose is blocked:***

In extreme conditions, sand deposits can gradually block the suction hose. To deal with this situation:

1. Stop the machine. (See Section 2.2 of the operator's manual for the basic unit)
2. Disconnect the suction hose. (Picture 2)
3. Shake the hose to remove the unwanted material.
4. Reconnect the suction hose.

### ***N.B!***

### ***When collecting heavy material:***

If you are using the machine to collect heavy material such as sand, make sure to empty the collecting tank regularly to prevent the machine from becoming unstable on account of excess weight.



# 4. Conditions

## 4.1 Warranty

The warranty period for the materials and manufacture of this Weed Brush is 12 months from the date of purchase.

In case of errors or defects on the machine within the warranty period, Egholm Maskiner A/S will carry out the necessary repairs without charge for materials and working hours in accordance with the terms and conditions listed below. The customer is to cover the costs for transportation.

### ***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. Egholm Maskiner A/S reserves the right to make improvements and design-related alterations to the machine without being obliged to modify previously delivered models in relation hereto.
6. This warranty is valid for persons who have legally acquired the machine within the warranty period.

### ***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 implements.
- \* Machines with illegible serial numbers.
- \* Damage caused by force majeure such as lightning, flood, fire, war, civil disturbance, incorrect or insufficient maintenance etc. or other causes over which Egholm Maskiner A/S has no control.

## **4. Conditions**

### **4.2 Conditions of complaint**

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.

If there are questions that the distributor cannot answer, please do not hesitate to contact Egholm Maskiner A/S directly. Also feel free to contact us with suggestions or requests for special implements and/or features for the machine. We wish you many years of safe and satisfied use of your machine.

Best regards

Egholm Maskiner A/S - Transportvej 27 - DK -7620 Lemvig  
Telephone: +45 97 81 12 05, fax: 97811210

### **4.3 Disposal**

When - many years from now - your Weed Brush reaches the end of its working life, you should dispose of it in a responsible manner and in accordance with the applicable disposal regulations and legislation.

1. Used hydraulic oil is to be disposed of at an approved waste disposal facility or site.
2. Remove all plastic and rubber parts and discard in a dustbin.
3. After the parts mentioned have been removed, the machine is ready to be handed over to one of your local approved scrap merchants.

