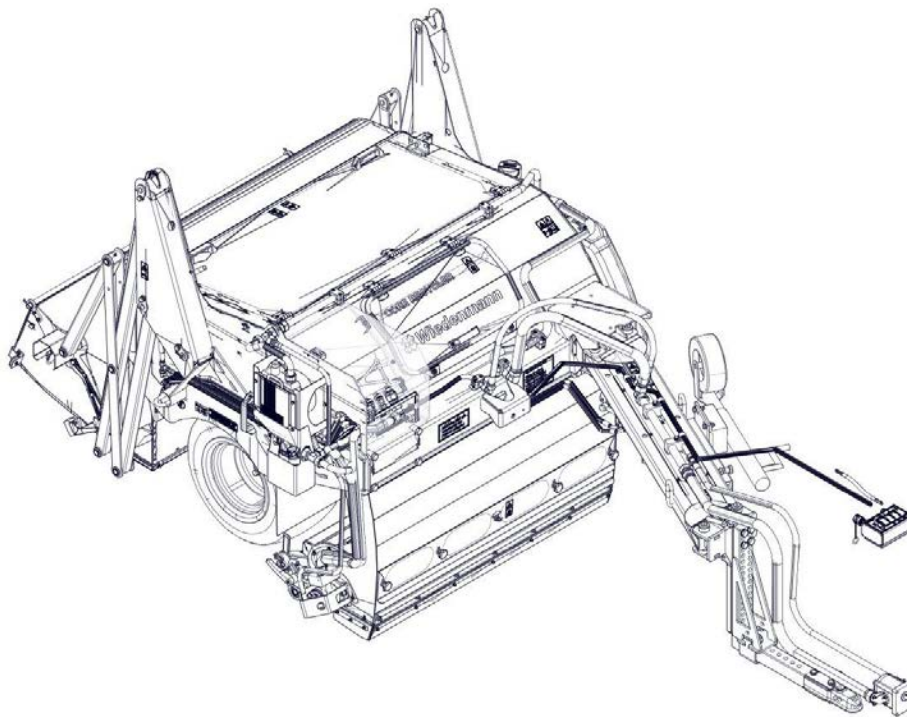


# Translation of original Operating Instruction

EN

Core recycling machine

Core Recycler towed





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 	<b>⚠ ATTENTION!</b>
	<ul style="list-style-type: none"><li>➤ Read these operating instructions thoroughly before initial commissioning and observe the safety information!</li><li>➤ Keep these operating instructions in a safe place!</li></ul>

## 1. Manufacturer



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### 1.1. Information for inquires and orders

Year	
Machine no.	
Type	<b>Core Recycler towed</b>

### 1.2. Contact details of your dealer

--

### 1.3. Preface

These operating instructions are an integral part of this delivery. They must always be kept in the vicinity of the machine.

In the event that the machine is sold on, the operating instructions must be passed on to the purchaser.

Read these operating instructions carefully to learn how to operate and service your machine correctly. Failure to do could result in personal injury or equipment damage. These operating instructions and safety signs on your machine may also be available in other languages (see your dealer to order).

Please be aware that we cannot assume liability for damage or downtimes which occur as the result of failure to observe the operating instructions.

The machine is exclusively for commercial use on sports fields with natural turf. This also includes golf courses with greens and teeing areas. See Section 3.3 „Intended Use“.

The machine described in these operating instructions corresponds to the state of the art of the time when these operating instructions were created.

Before delivery, your dealer carried out an inspection to guarantee optimum functioning of the machine.

In the interest of further developing the machine, we reserve the right to make those changes to individual components and accessories, which shall be made for your benefit while maintaining the essential functions of the machine and shall be deemed expedient in terms of increasing the performance and safety of the machine.

Measurements in these operating instructions are given in metric units. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

Write product identification numbers (P.I.N.) in the "Technical specifications" section. Record all the numbers accurately. These numbers help to trace the machine should it be stolen. Your dealer also needs these numbers when you order spare parts. File the identification numbers in a secure place off the machine.

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## 2. To this document

### 2.1. Validity

This document applies to machines of the type:

#### **Core Recycler towed**

All information, figures and technical specifications were the latest available at the time this document was published.  
Design specifications are subject to change at any time without prior notification.

### 2.2. Reorder

Should this document have become wholly or partly unusable, you can use the document number on the cover sheet to request a replacement.

The document can also be downloaded via the Wiedemann homepage.

[www.wiedemann.com](http://www.wiedemann.com)

### 2.3. Applicable documents

Alongside the machine operating instructions, the following documents are also supplied and should also be observed:

- Operating manual tractor

### 2.4. Target group of the document

This document is aimed at machine operators that fulfil the minimum personnel qualification requirements, see Section 3.6.1 „Personnel qualification of the operating personnel“.

### 2.5. How to use this document

#### 2.5.1. Table of contents and references

##### **Table of contents / Headers and footers**

The table of contents, as well as the headers and footers in this document provide fast orientation in the sections.

##### **Cross-references**

The text contains cross references to other documents or page references to a different section in the same document.

#### 2.5.2. Directions

The designations “right” and “left” are applicable to the trailed device moving in forward direction.

#### 2.5.3. Term machine

The term "machine" is also used to refer to the "Core recycling machine" in the remainder of this document.



### 2.5.4. Figures

The figures in this document do not always represent the exact machine type. The information with reference to the figures always corresponds to the machine type in this document.

### 2.5.5. Scope of the document

Alongside the standard equipment, optional equipment is also described in this document. Your specific machine may differ from this.

### 2.5.6. Means of presentation

#### Symbols in Text

The following means (symbols) are used to present the text with a clear structure.

- This arrow represents an **action step**. Multiple arrows in succession represent a sequence of actions that is to be performed one step at a time.
- ✓ This symbol represents a **prerequisite** that must be met in order to perform an action step or sequence of actions.
- ⇒ This arrow represents the **interim result** of an action step.
- ☑ The tick represents the result of an action step or sequence of actions.
- The dot represents a list. If the dot is indented, it represents a further level of the list.

#### Symbols in pictures

The following symbols can be used in figures:

Symbol	Explanation
①	Reference sign for component

Symbol	Explanation
A	Position of a component

#### Position numbers in pictures

Digits in round brackets refer to item numbers in figures.

#### Warnings

Warnings regarding hazards are offset from the rest of the text as warning signs and also include both a danger symbol and signal words.

To avoid personal injury and material damage, it is important to observe the warning signs and their measures!



#### Explanation of the danger sign



This is the danger symbol that warns about a potential risk of injury and material damage.



Observe all notes with the danger symbol!






### Explanation of the signal words


	 <b>DANGER!</b>
	<p>➤ The signal word <b>DANGER</b> warns of a dangerous situation that will lead to serious injuries or even death if the warning message is not observed.</p>

	 <b>WARNING!</b>
	<p>➤ The signal word <b>WARNING</b> warns of a dangerous situation that could lead to serious injuries or even death if the warning message is not observed.</p>

	 <b>CAUTION!</b>
	<p>➤ The signal word <b>CAUTION</b> warns of a dangerous situation that could lead to minor or moderate injuries if the warning message is not observed.</p>

	 <b>ATTENTION!</b>
	<p>➤ The signal word <b>ATTENTION</b> warns of a dangerous situation that could lead to property and material damage if the warning message is not observed.</p>

	<b>NOTE!</b>
	<p>➤ The signal word <b>NOTE</b> in connection with a mandatory sign specifies corresponding protective measures that prevent health risks.</p>

	<b>INFO!</b>
	<p>➤ The signal word <b>INFO</b> in connection with the symbol provides information and tips on how to use the machine.</p>

## 3. Safety notes

### 3.1. Obligation of the operator

The operator must ensure that only those persons work with the machine that

- have knowledge of the accident prevention regulations associated with health and safety at work.
- have received instruction in how to work with/at the machine.
- have read and understood the operating instructions.

The operator must ensure that

- all safety signs on the machine are clearly legible.
- damaged safety signs are replaced with new ones.

### 3.2. Obligation of the operator

All persons commissioned to perform work with/at the machine are committed to

- observing the fundamental regulations regarding workplace safety and accident prevention.
- reading and observing the information in the section entitled "Safety information" in these operating instructions.
- reading the information provided in the section entitled "Warning signs" in these operating instructions and observing the safety instructions associated with the warning signs when operating the machine.
- familiarising themselves with the machine.
- reading the sections of the operating instructions that are important for performing the work assigned to them.

If the operator determines that a safety device is not in perfect working order, this defect must be rectified immediately or the issue reported to the superior (operator).

### 3.3. Intended Use

The machine is exclusively for commercial use on sports fields with natural turf. This also includes golf courses with greens and teeing areas.

Any use that goes beyond this is NOT considered "intended use", and the manufacturer will not be liable for any damage resulting from this. All risks in this regard are borne exclusively by the user. Intended use also includes compliance with the operating, maintenance and servicing conditions prescribed by the manufacturer.

### 3.4. Predictable misuse

The attached device must not be used for transporting persons or objects.

This machine may only be used, maintained and serviced by persons that are familiar with this work and have been instructed about the hazards/dangers. The relevant accident prevention regulations, as well as other generally recognised rules of safety, occupational healthcare and road traffic law are all to be observed. Any and all unauthorized changes made to this machine exclude all liability on the part of the manufacturer for damage resulting from this.

### 3.5. Service life of the machine

- The useful life of this machine depends on correct operation and maintenance, as well as the deployment and operating conditions.
- Continuous operational readiness and a long useful life of the machine can be achieved by following the instructions and notes in these operating instructions.
- Once the season is over, the machine should be checked thoroughly for wear and any other damage.
- Damaged and worn components should be replaced before using the machine again.

### 3.6. General safety instructions

- Observe the generally applicable safety and accident prevention regulations as well as the notes in these operating instructions!
- Familiarize yourself with all equipment and operating elements and their functions before starting work. Ensure that all protective equipment has been properly installed.
- In the working area, the user is responsible for the safety of other persons.
- When driving outside of the working area shut off the lawn mower and put it into the transport position.
- Check the immediate surroundings before driving (children!).
- Keep all persons clear of the danger zone of the machine!
- Only attach the machine when the engine is at a standstill.
- Only use the attachment components designated for use with the attached equipment.
- Observe the maximum permissible trailer and drawbar load of the tractor.
- Only attach and remove the machine on solid and flat ground.
- Ensure a sufficient front axle load. The tractor's ability to steer and brake must be maintained.
- The driving and operating properties of the tractor may be influenced by the attachment of the machine! Always adapt your driving style to match the terrain and ground conditions. Special care should be taken when working and turning on a slope.
- Linger under the elevated container without a safeguard is forbidden.
- In case of blockages occurring switch off the machine, secure it and clean it using an appropriate device (wooden stick).
- Switch the machine and the motor of the tractor off and remove the ignition key before carrying out maintenance.
- The container may only be elevated when the machine is attached to a tractor.
- Use your personal protective equipment (PPE) for work, such as:
  - Work gloves;
  - Safety shoes;
  - Breathing protection;
  - Ear protectors;
  - Face and eye protection, etc.
- All safety devices must be assembled before initial operation of the machine.
- Always keep the machine in a good condition. Improper changes to the machine impair its function, operational reliability and service life

### 3.6.1. Personnel qualification of the operating personnel

Improper handling can lead to serious personal injuries or even death. To prevent accidents, all persons working with the machine must meet the following minimum requirements:

- They must be physically capable of controlling the machine.
- They must be able to perform the work with the machine described in these operating instructions safely.
- They must understand how the machine works within the scope of their duties and be able to both recognise and avoid the hazards/dangers.
- They must have read and understood the operating instructions.
- They must be familiar with operating vehicles.
- When driving the machine on roads, they must have sufficient knowledge of the rules of road traffic and possess the stipulated driving licence.

### 3.6.2. Personnel qualification of the specialist personnel

If the work to be performed (conversion, retrofitting, repairs, etc.) is carried out improperly on the machine, persons can potentially suffer serious injuries or even death. To prevent accidents, all persons performing work in line with these instructions must meet the following minimum requirements:

- They must be a qualified specialist with corresponding training.
- They must be capable of completing the work to be performed within the scope of these instructions correctly and safely.
- They must understand how to perform the requisite work, how the machine itself works and be able to both recognise and avoid the hazards/dangers.
- They must have read and understood the operating instructions.

### 3.6.3. Children in danger

Children cannot properly assess dangers and can behave unpredictably. Children therefore represent a particular risk.

- Keep children away from the machine.
- Keep children away from operating materials.
- Particularly prior to starting up the machine and activating machine movements, first ensure that there are no children in the danger area.

### 3.6.4. Coupling up the machine

Failure to couple the tractor and machine correctly leads to hazards that can cause serious accidents.

- Observe all relevant information in the various operating instructions when coupling the machine. These include:
  - The tractor operating instructions
  - The machine operating instructions, see Section 7 „Attaching to a tractor“.
- Be aware of the altered driving characteristics of the combined unit.

### 3.6.5. Structural changes to the machine

Unauthorised structural changes and extensions can impair the functionality and operational reliability of the machine. This leads to an increased risk of injury.

Structural changes and extensions are not permitted!

### 3.6.6. Additional equipment and spare parts

Additional equipment and spare parts that do not meet the requirements of the manufacturer can impair the operational reliability of the machine and cause accidents.

- To ensure operational reliability, always use original or standard parts that meet the requirements of the manufacturer.

### 3.6.7. Workstations at the machine

Anyone "riding along" on the machine can suffer severe injuries or fall off and be run over. Objects flying out of the machine can hit and potentially injure any persons riding along on the machine.

- Never allow anyone to ride along on the machine.

### 3.6.8. Operational reliability, perfect technical condition

#### Operation only after proper commissioning

Without proper commissioning in line with these operating instructions, the operational reliability of the machine is not guaranteed. This can then lead to a risk of serious or even fatal injuries.

- Do not use the machine until it has been properly commissioned.  
See Section 8 „Before initial operation“.

#### Technically perfect condition of the machine

Improper maintenance and settings can influence the operational reliability of the machine and cause accidents. This can then lead to a risk of serious or even fatal injuries.

- Perform all maintenance and setting/adjustment work in line with the "Maintenance" and "Settings" sections.
- Prior to performing any maintenance or setting/adjustment work, shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine“.

### Dangers due to damage to the machine

Damage to the machine can impair its operational reliability and cause accidents. This can then lead to a risk of serious or even fatal injuries. The following parts of the machine are particularly important with regards to safety:

- Guards
- Coupling devices
- Hydraulics
- Tyres

If you are in any doubt regarding the operational condition of the machine, for example if it suddenly starts to behave differently unexpectedly or if you observe visible damage / fluids escaping:

- Shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine“.
- Eliminate any potential causes of the damage immediately, such as heavy soiling or loose screws.
- If you encounter damage that affects operational reliability and which you cannot rectify yourself by following the information/instructions in the operating instructions, please have the equipment repaired by a qualified specialist workshop.

### Technical limits

The machine can be damaged if its technical limits are not observed. This can then lead to a risk of serious or even fatal injuries. Observing the following limits is particularly important in terms of safety:

- Maximum permitted hydraulic operating pressure
  - Observe the limits, see Section 4.3 „Technical specification“.

### 3.6.9. Danger areas

When the machine is switched on, a danger area can result all around the machine.

Adequate safety clearance must be maintained to prevent any access to this danger area.

If the safety clearance is not observed, there is a risk of severe or even fatal injuries.

- Make sure there are no persons in the danger area before switching on drives and the engine.
- Should any persons enter the area reserved as safety clearance, shut down the drives immediately
- Stop the machine if currently manoeuvring.
- Prior to performing in the machine's danger area, shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine“. This also applies to quick checks.
- Observe the information provided in all relevant operating instructions:
  - The tractor operating instructions
  - The machine operating instructions, see Section 7 „Attaching to a tractor“.

### **Moving parts pose a risk of crushing**

- Never reach into the crush-risk area when parts are moving or could move there.
- Observe the information provided in all relevant operating instructions:
  - The tractor operating instructions
  - The device operating instructions, see Section 7 „Attaching to a tractor“.

### **Danger zone between tractor and machine**

Anyone remaining between the tractor and the machine can potentially suffer serious or even fatal injuries due to machine movements, the tractor rolling away or carelessness:

- Prior to performing any work between the tractor and machine, shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine“. This also applies to quick checks.

### **Hazardous Area of Slingshots**

When the machine is switched on, no persons may remain in the danger area.  
There is a risk of injury due to objects being thrown out or flying around.

### **Danger area when the drive is switched on**

There is a danger to life due to moving machine parts when the drive is switched on. No persons may remain in the machine's danger area.

- Before starting the machine, direct all persons out of the machine's danger area.
- If a dangerous situation occurs, shut down the drives immediately and direct all persons out of the danger area.

### **Protective devices keep functioning**

There is an increased risk of injury if any guards protecting moving machine parts are missing or damaged!

- Replace damaged guards.
- Prior to removing guards, shut down the engine and wait until all moving machine parts have come to a complete standstill.
- Keep hands, feet and garments well away from moving parts.
- Before starting up the machine, re-attach any guards covering machine parts that were removed and then move them into their guard position.
- If you are in any doubt as to whether all guards have been fitted properly and are working as they should, commission a specialist workshop to perform a check.

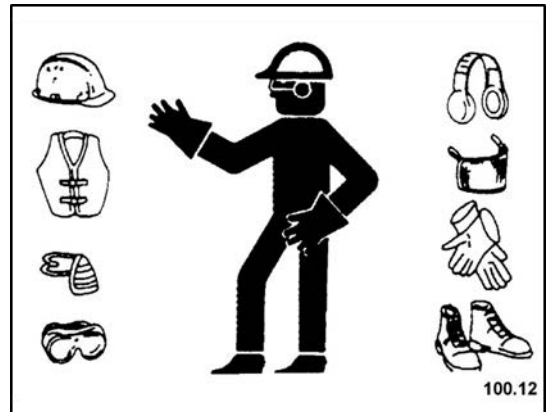


### 3.6.10. Personal protective equipment

Wearing personal protective equipment is an important safety measure. Missing or unsuitable protective equipment increases the risk of health issues and personal injuries.

Examples of personal protective equipment include the following:

- Suitable protective gloves
- Safety shoes
- Tight-fitting protective clothing
- Hearing protection
- Goggles



- Specify and provide personal protective equipment for the specific task at hand.
- Only use personal protective equipment that is in proper condition and offers effective protection.
- Adjust personal protective equipment to the person performing the work. (e.g. size)
- Remove any unsuitable items of clothing and jewellery.

Secure operation of the machine requires the driver's full attention.

- Never wear headphones to listen to the radio or music.

### 3.6.11. Risk of tipping over on slopes

	<b>WARNING!</b>
	<b>Impairment of the machines driving characteristics!</b>
	<ul style="list-style-type: none"> <li>➤ Always adapt your driving style to the respective ground conditions!</li> <li>➤ Exercise extra caution when working and turning on a slope!</li> <li>➤ Pay attention to any unevenness on the terrain (bumps)!</li> </ul>

### 3.6.12. Shutting down the machine securely

A machine that has been improperly shut down can start to move in an uncontrolled manner. This can then lead to a risk of serious or even fatal injuries.

- Always shut down and park the machine on stable, horizontal and level ground.
- Secure the machine with a support rod.
- Prevent the machine from rolling away by placing a chock under the wheel.
- Prior to performing any servicing, maintenance or cleaning work, first make sure that the machine is on secure ground and is stable.

### **Unattended parking of the machine**

An inadequately secured and unattended machine can present a danger to persons, particularly to children.

- Before parking, shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine“.

### **3.6.13. Operating materials**

#### **Unsuitable operating materials**

Operating materials that do not meet the requirements of the manufacturer can impair the operational reliability of the machine and cause accidents.

- Only use operating materials that meet the requirements of the manufacturer. See Section 0 „

- Supplies“

### Environmental protection and disposal

Operating materials such as hydraulic oil or gearbox oil can have harmful consequences for human health and the environment.

- Do not allow the operating materials to escape into the environment.
- Pour the operating materials into a liquid-tight container specially labelled for this purpose and dispose of them in line with official regulations.
- Soak up expired operating materials using absorbent material, pour them into a liquid-tight container specially labelled for this purpose and dispose of them in line with official regulations.

### 3.6.14. Potential hazards at the machine

#### Noise can lead to health problems

The noise generated by the machine while in operation can lead to health conditions such as hearing impairment, deafness or tinnitus. When using the machine at high speed, the noise level is also increased.

- Before commissioning the machine, first assess the danger posed by noise. Specify and use suitable hearing protection based on the environmental conditions, working times and work/operating conditions of the machine.
- Specify a regulation for the use of hearing protection and for the duration of work.



### Liquids under high pressure

The following liquids are highly pressurised:

- Hydraulic oil

High-pressure fluids which leak under pressure can penetrate the skin causing serious injury.

- If you suspect that a pressure system may be damaged, shut down and secure the machine immediately and then contact a qualified specialist workshop.
- Never attempt to trace the source of leaks with your bare hands. Even just a pin hole can cause serious personal injuries.
- Use suitable materials when searching for leaks. (for example, a piece of cardboard)
- Keep your body and face well away from leaks.
- If a fluid penetrates the skin, it must be removed immediately by a doctor who is familiar with such injuries. Otherwise serious infections may result.
- Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.
- Prior to recommissioning, check the leak-tightness of the hydraulic system!



### Avoid heating near pressurized fluid lines

- Do not cause heating near pressurized fluid lines by welding, soldering or using a torch.
- Pressurized fluid lines can be cut through accidentally if heat develops outside the immediate area of flame. In addition, heating near pressurized fluid lines can cause highly flammable mists to develop. If these mists ignite they can cause serious burns.



## 3.6.15. Hazards when performing certain tasks at the machine

### Work only on stopped machine

If the machine has not been shut down and secured, parts can move unintentionally or the machine can begin to move.

### Maintenance and repair work

Improper servicing and repair work jeopardise operational reliability. This can then lead to a risk of serious or even fatal injuries.

- Only perform the work described in these operating instructions.
- Prior to performing any work, shut down and secure the machine, see Section 3.7.1 „Shutting down and securing the machine“.
- Have all other servicing and repair work performed exclusively by a qualified specialist workshop.

### Raised machine or machine parts

The raised machine or raised machine parts can descend or tip over unintentionally. This can then lead to a risk of serious or even fatal injuries.

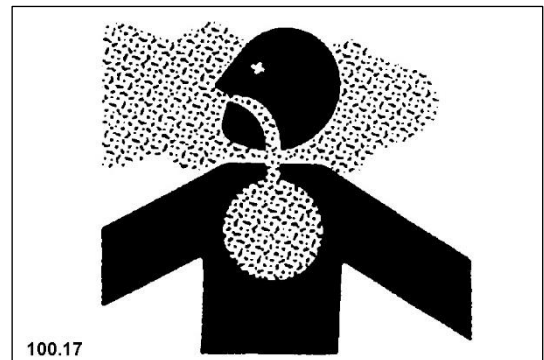
- Do not stand or remain below the raised machine or raised machine parts that do not have proper supports, see Section 3.7.1 „Shutting down and securing the machine“.
- Prior to performing any work below a raised machine or raised machine parts, secure the respective machine or machine parts and prevent them from descending using a rigid safety prop or hydraulic locking device and suitable supports.

### Hazard due to welding work

Welding should only be carried out by persons with a relevant qualifying certificate i.a.w. EN287.



Improper welding work jeopardises the operational reliability of the machine. This can then lead to a risk of serious or even fatal injuries.

- Never weld any of the following parts:
  - Gearboxes
  - Components of the hydraulic system
  - Chassis or load bearing assemblies
- Prior to performing welding work on the machine, shut down the machine securely.
- Attach the earth of the welding device near to the welding point.
- Avoid generation of toxic vapour and dust.  
Hazardous fumes can be produced when paint is heated by welding, soldering, or using a torch.
- Do all work outside or in a well ventilated area.
- Dispose of paint and solvent properly.
- Remove paint before welding or heating:
  - If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
  - If you use solvent or paint stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from the area. Allow fumes to disperse at least 15 minutes before welding or heating.



### 3.7. Safety routines



#### 3.7.1. Shutting down and securing the machine

	 <b>WARNING!</b>
	<b>Risk of injury due to movements of the machine or machine parts!</b> ➤ Shut down and secure the machine before leaving the operator's seat!

To shut down and secure the machine:

- Shut down the drive and wait until any parts with overrun have come to a complete stop.
- Shut down the machine, remove the ignition key and take it with you.
- Secure the machine to prevent it from rolling away. (parking brake).

#### 3.7.2. Securing the raised machine and machine parts to prevent them from descending

	 <b>WARNING!</b>
	<b>Risk of injury due to the machine or machine parts descending!</b> ➤ Prior to performing any work below a raised machine or raised machine parts, secure the respective machine or machine parts and prevent them from descending using a rigid safety prop or hydraulic locking device (e.g. stop valve) and suitable supports.

To securely support the machine or machine parts:

- Only use suitable and adequately dimensioned materials as supports.
- Car jacks are not suitable for supporting the machine or machine parts and therefore must not be used for this purpose.

### 3.8. Safety mark on the machine

Safety stickers on the machine offer warnings against hazards in danger areas and are an important component of the machine's safety equipment. Missing safety stickers increase the risk of serious or even fatal personal injuries.

- Clean soiled safety stickers.
- Check all safety stickers after all cleaning work to ensure that they are still complete and easily legible.
- Immediately replace any missing, damaged or illegible safety stickers. (replacement safety stickers are available from your dealer)

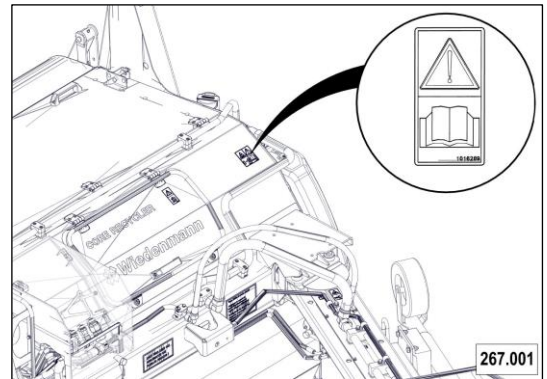


### 3.8.1. Position and meaning of the safety stickers

#### Operating Instructions

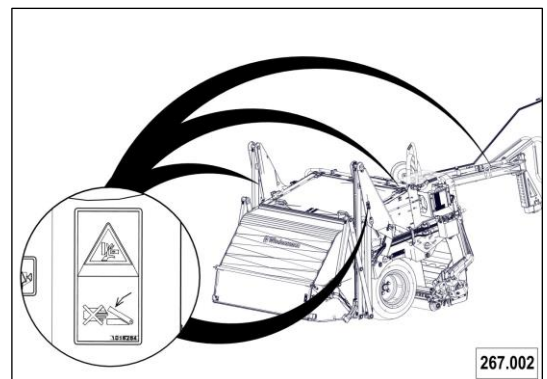
These operating instructions contain all important information necessary for safe machine operation.

- Carefully observe all safety instructions to avoid accidents.
- Read operating instructions!



#### Swivelling range

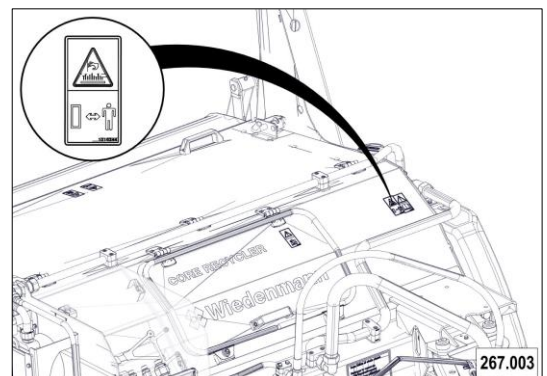
Never reach into areas of crushing hazard as long as any parts may move.



#### Hot surfaces - hydraulic lines

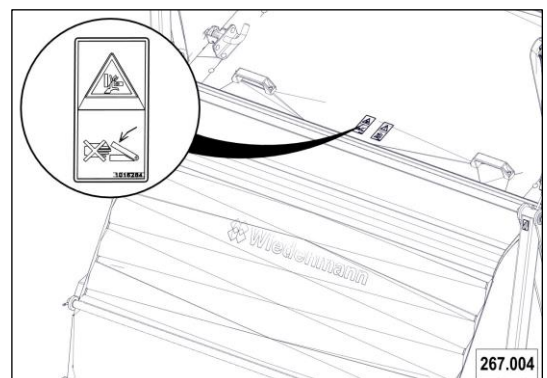
Risk of burns from touching the hydraulic lines.

- Never touch the hydraulic lines during operation.
- Let them cool down sufficiently after operation.



#### Trap opening and emptying

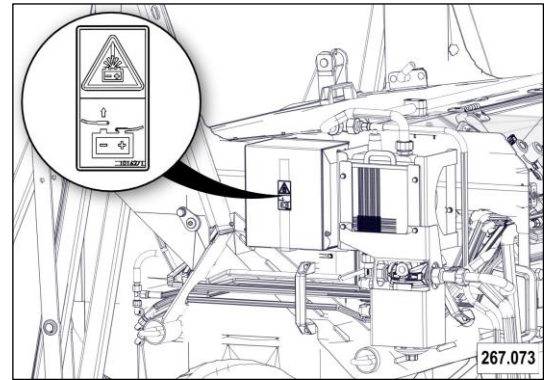
- Never reach into the emptying area while parts are still moving there. Risk of crushing!





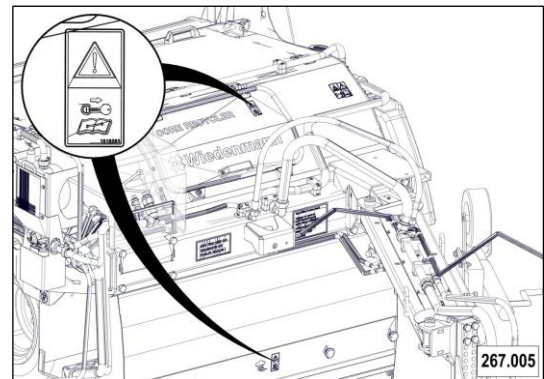
### Battery

- Keep the battery away from sparks or naked flames! – Risk of explosion!
- Never place a piece of metal across the battery poles to check the battery charge.
- Disconnect the earth terminal (-) of the battery first and reconnect it last.



### Maintenance

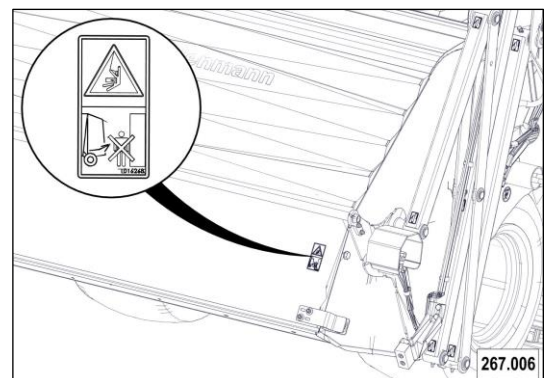
- Before performing maintenance or repair work, shut off engine and remove key.



### Cleaning flap



- Do not operate the sweeping head when the cleaning flap is open.

No person may be in front of the perforated grid on the rear of the machine when the sweeping head are running. There is a risk of injury thrown or flying objects.

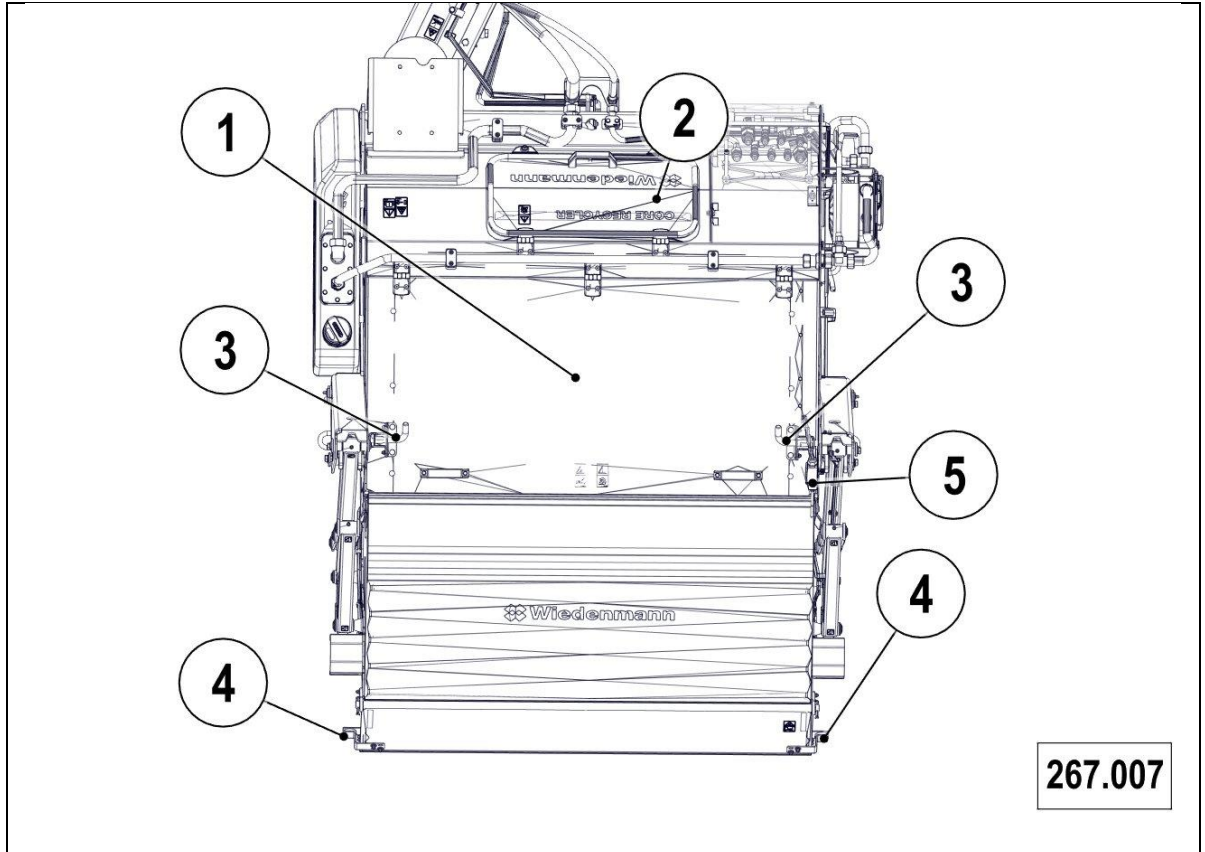




3.8.2. Safety devices

	 <b>DANGER!</b>
	<p><b>Risk of injury due to missing safety devices!</b></p> <p>➤ Never operate the machine without safety devices!</p>

Position of safety devices



267.007

1	Covering hood
2	Cleaning cover for the intake channel
3	Covering hood security latch

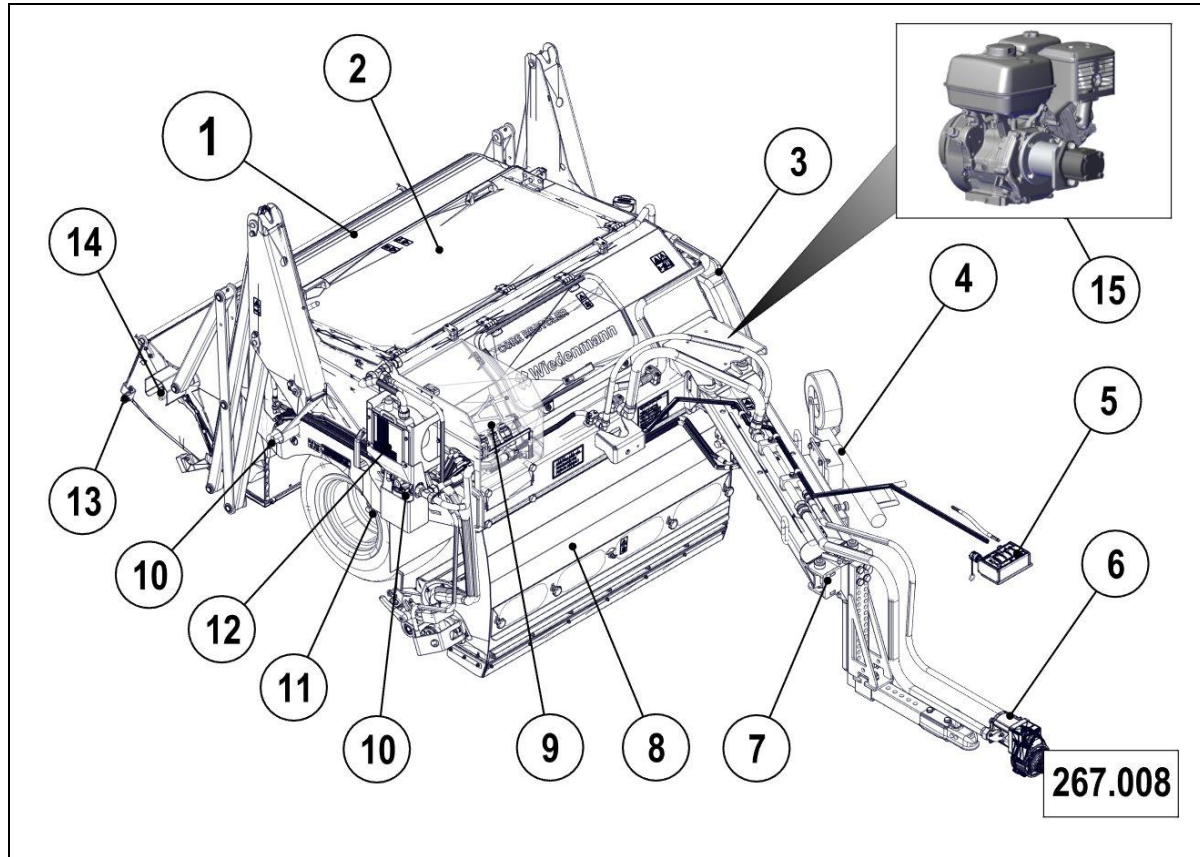
4	Magnetic holder cover
5	"Container closed" safety limit switch

1) (requires a tool for release)

## 4. Machine description

### 4.1. Machine overview

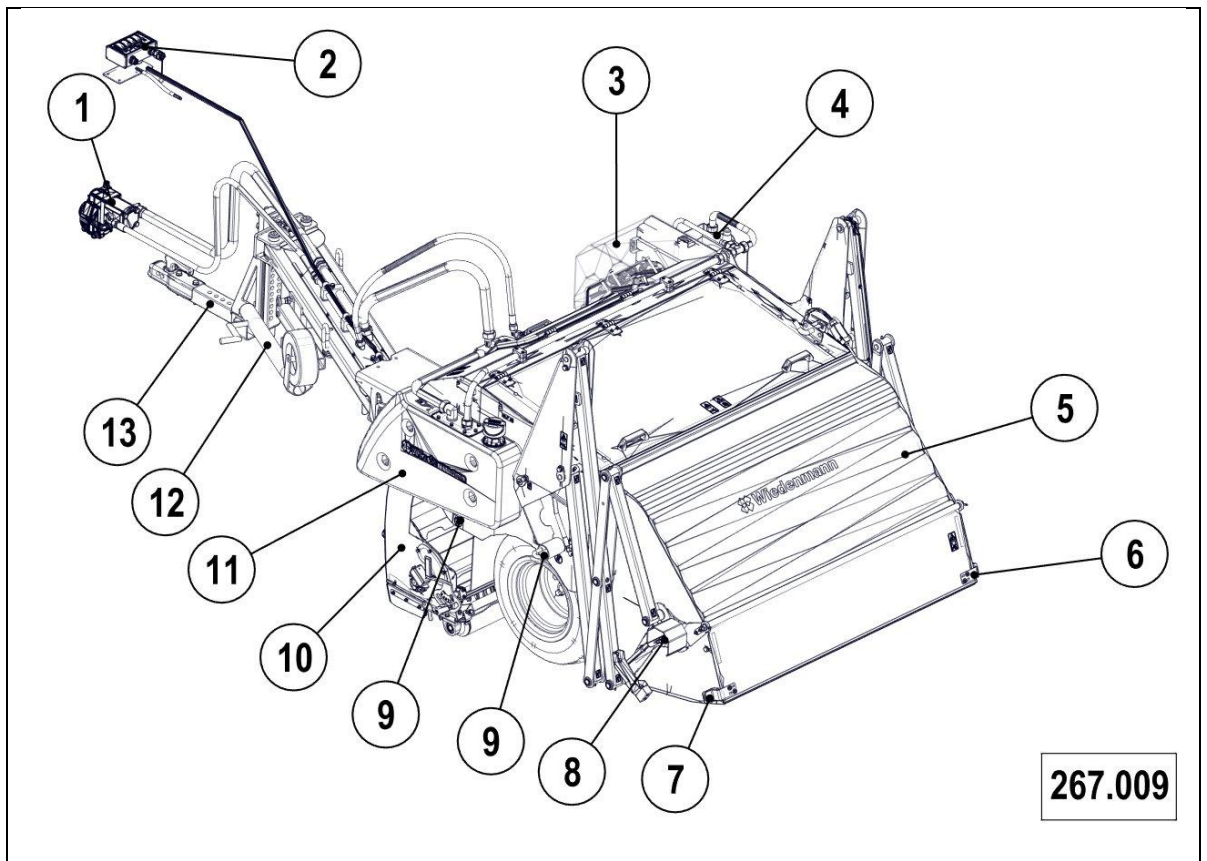
#### 4.1.1. Front-right view



1	Container
2	Covering hood
3	Oil tank for hydraulic oil
4	Support wheel
5	Remote control Core Recycler
6	Hydraulic pump
7	Drawbar
8	Sweeping head

9	Hydraulic control block
10	Oil filter for hydraulic oil
11	Right lashing eyes
12	Oil cooler for hydraulic oil
13	Discharge flap magnetic holder, right
14	Receiver light barrier module level measurement
15	Combustion engine (optional)

4.1.2. Rear-left view



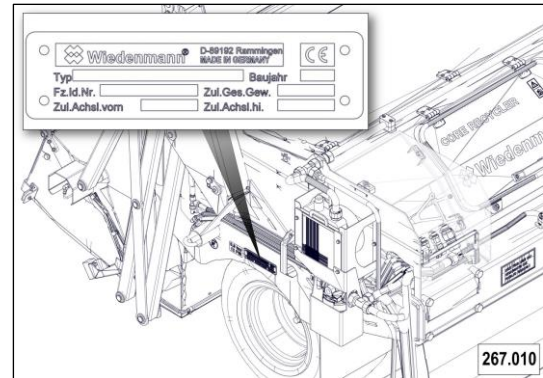
1	Hydraulic pump
2	Remote control Core Recycler
3	Hydraulic control block
4	Oil cooler for hydraulic oil
5	Container
6	Discharge flap magnetic holder, right
7	Discharge flap magnetic holder, left

8	Transmitter light barrier module level measurement
9	Left lashing eyes
10	Sweeping head
11	Oil tank for hydraulic oil
12	Support wheel
13	Drawbar

## 4.2. Nameplate

	<b>INFO!</b>
	➤ The nameplate lists documented values and must not be changed, damaged or otherwise concealed!

The machine data is printed on the nameplate (1). The nameplate is fitted on the right-hand side of the machine chassis.



### 4.2.1. Chassis number

This number should be quoted in the event of warranty claims and when ordering spare parts. See Section 4.2 „Nameplate“

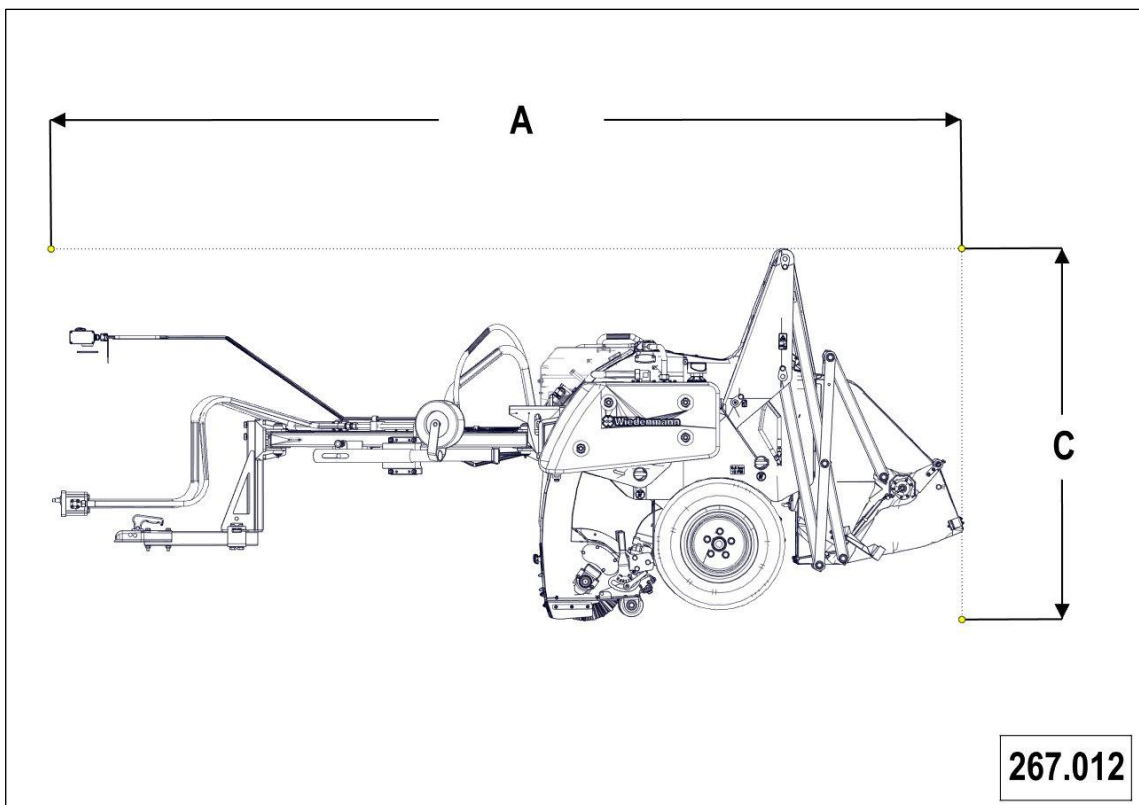
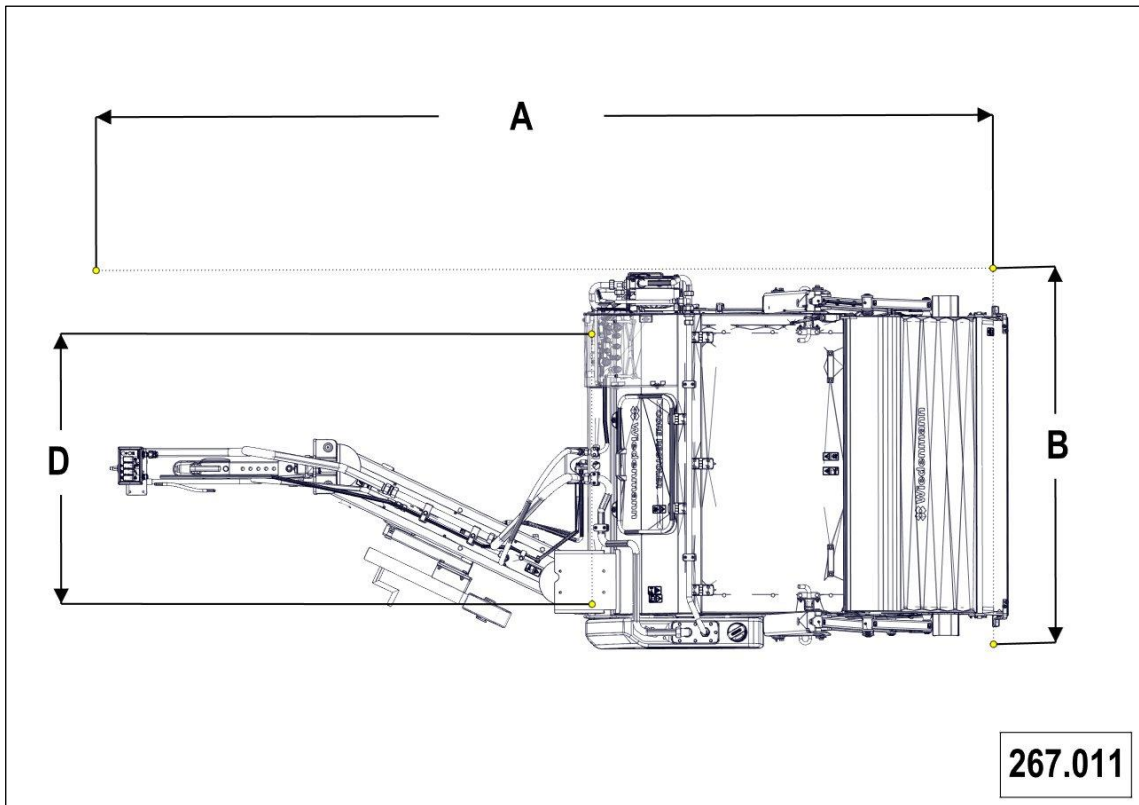
- Enter the vehicle identification number, the machine type and the year of manufacture on the front cover page of these operating instructions.

## 4.3. Technical specification

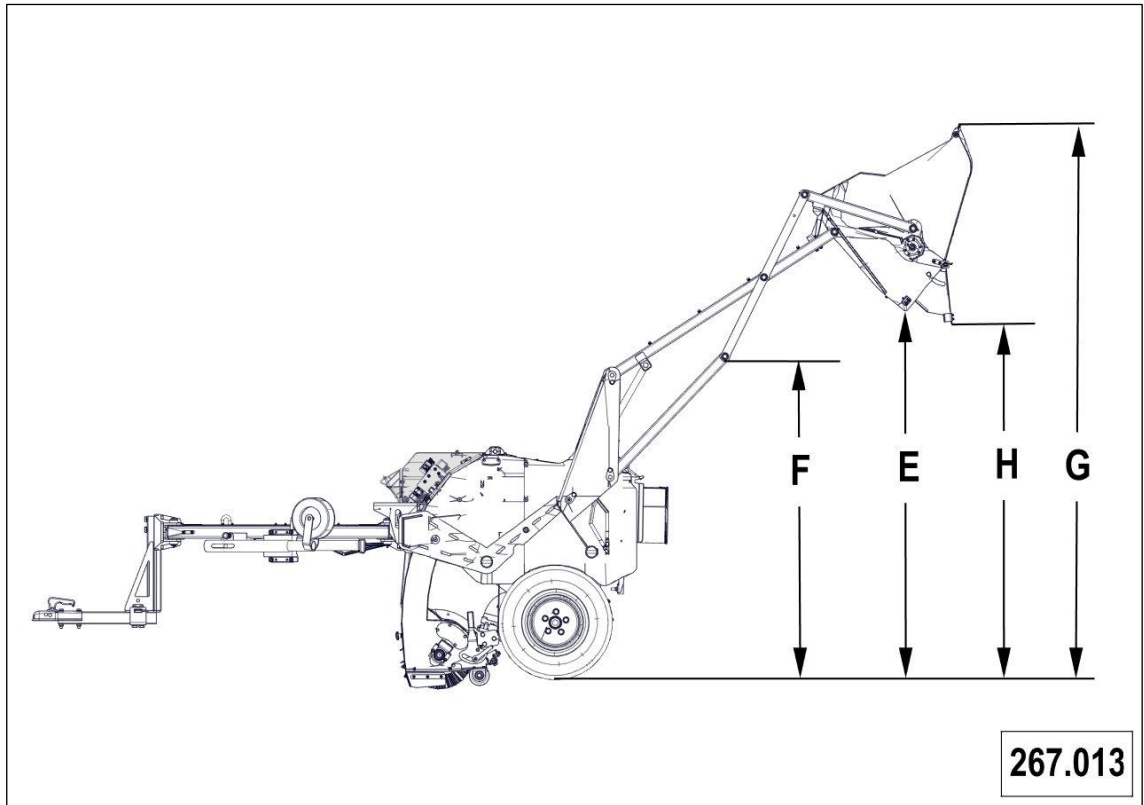
	Type		Core Recycler towed	
			Hydraulic pump PTO shaft	Combustion engine
	Versions			
<b>A</b>	Machine length (working position)	mm	2450	2450
	Machine length (transport position)	mm	3750	3750
<b>B</b>	Machine width	mm	1600	1600
<b>C</b>	Machine height	mm	1600	1600
<b>D</b>	Working width	mm	1200	1200
<b>E</b>	Excess length to lower container edge during high dumping	mm	1890	1890
<b>F</b>	Height up to emptying strut	mm	1648	1648
<b>G</b>	Max. total height with raised container	mm	2834	2834
<b>H</b>	Height to lower container edge during emptying	mm	1808	1808
	Ground clearance when driving in road traffic with raised sweeping head	Mm	190	190
	Total swivel area	mm	1600	1600
<b>Engine</b>				
	Engine drive		-	Honda GX 390
	Engine power	kW / PS	-	8,7 / 11,8
	Fuel tank content Unleaded petrol	l	-	6,1
	Engine oil – filling capacity	l	-	ca. 1,0

	Nominal speed of engine	1/min	-	3000
All further data on the engine. See engine manufacturer operating instructions.				
Hydraulic system				
	Oil grade of hydraulic oil		Tectrol HLP 46 (ISO VG 46)	
	Tank content of hydraulic oil	L	25	25
Cylinder broom				
	Working speed of the cylinder broom	1/min	850	850
	Operating speed	km/h	0 – 6	0 – 6
Chassis				
	Rear tyres		24 x 13.00-12 / 4PR	24 x 13.00-12 / 4PR
	Tyre diameter	mm	602	602
	Tyre pressure	bar /psi	0,8 / 12	0,8 / 12
	Track	mm	840	840
Container				
	Container volume	l	300	300
	Unladen weight		750 kg	800 kg
	Max. permissible additional load			
	Permissible total weight			

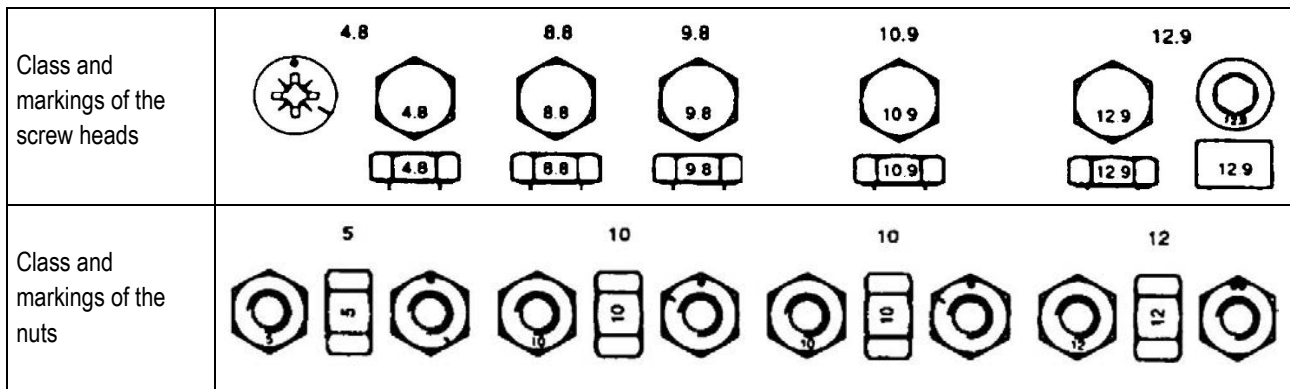
4.3.1. Technical data sheet







### 4.3.2. Torques for metric screws



Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **	
	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft	Nm	lb-ft
M6	4,8	3,5	6	4,5	9	6,5	11	8,5	13	9,5	17	12	15	11,5	19	14,5
M8	12	8,5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	255	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

The torques in this table are guidelines and do NOT apply where a different torque for certain screws or nuts is given in this instruction manual. Check tightness of fasteners periodically. Shear bolts are designed to fail under predetermined loads. Always replace shear bolt with identical property class. Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to the strength of the original.

\* "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings.

Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

Tighten plastic insert or crimped steel-type lock nuts to approximately 50 % of the dry torque shown in the chart, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

\*\* "Dry" means plain or zinc plated without any lubrication.



#### 4.4. Supplies

Designation	Capacity	Specifications
Hydraulic oil	25 l	Tectrol HLP 46 (ISO VG 46)
Hydraulic oil – additional pump	2 l	Tectrol Multigear Hyp 90
Fuel – additional engine	6,1 l	See engine manufacturer operating instructions
Engine oil – additional engine	1,0 l	See engine manufacturer operating instructions

#### 4.5. Operating and display elements

##### 4.5.1. Remote control for the towed Core Recycler

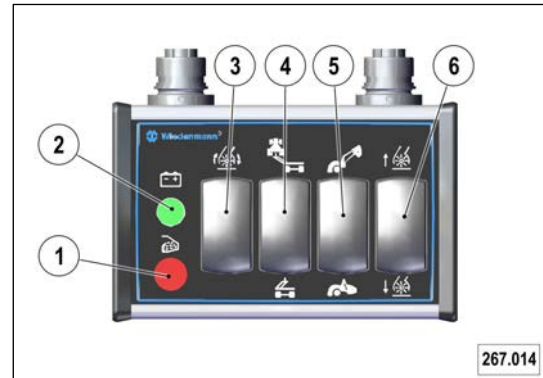


1	"Container full" fill level indicator light
2	"Power supply ON" indicator light
3	"Sweeping head ON/OFF" switch

4	"Drawbar position" rocker switch
5	"Empty container" rocker switch
6	"Sweeping head position" rocker switch

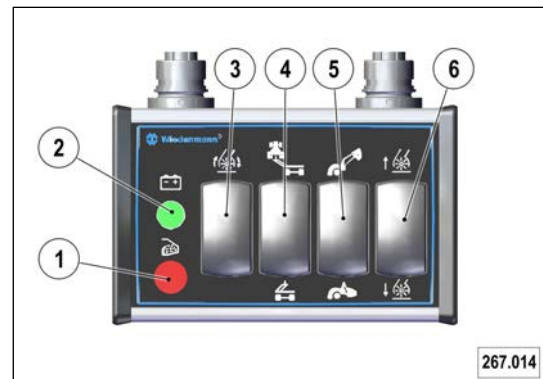
### Fill level indicator light – container full

The "Fill level indicator container full" indicator light (1) lights up when the container is full.



### Power supply ON indicator light

The "Power supply ON" indicator light (2) lights up when the connection cable of the machine is connected to the tractor and supplied with power.



### Sweeping head ON/OFF switch

<b>i</b>	<b>INFO!</b>
	➤ The function is locked when the container is raised.

- Push the "Sweeping head ON/OFF" switch (3) down.
- ☑ The sweeping head starts to rotate.
- Push the "Sweeping head ON/OFF" switch (3) up again.
- ☑ The sweeping head stops.




### Drawbar position rocker switch

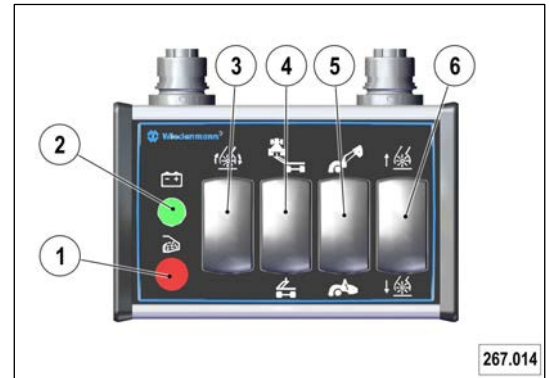
- Push the "Drawbar position" rocker switch (4) up.
- ☑ The drawbar extends.
- Push the "Drawbar position" rocker switch (4) down.
- ☑ The drawbar retracts



### Empty container rocker switch

	<p><b>INFO!</b></p> <p>➤ Before lifting the container, swivel the drawbar into the transport position. See <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b> „Fehler! Verweisquelle konnte nicht gefunden werden.“</p>
---	---

- Push the "Empty container" rocker switch (5) up.
- ☑ The container goes up.
- Push the "Empty container" rocker switch (5) down.
- ☑ The container goes down.



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### Sweeping head position rocker switch



- Push the "Sweeping head position" rocker switch (6) up.
- ☑ The sweeping head goes up.
- Push the "Sweeping head position" rocker switch (6) down.
- ☑ The sweeping head goes down.



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## 5. Assembly

### 5.1. General information on assembly

	 <b>WARNING!</b>
	<b>Failure to wear personal protective equipment poses a risk of injury.</b>
	<ul style="list-style-type: none"><li>➤ Wear personal protective equipment. See Section 3.6.10 „Personal protective equipment“.</li></ul>



- Lay all the hydraulic lines and electrical cables so that they are not damaged during operation.

The machine is delivered secured on a transport frame.

	 <b>DANGER!</b>
	<b>Danger to life due to falling load!</b>
	<ul style="list-style-type: none"><li>➤ Only use a forklift truck with sufficient load capacity to raise the machine!</li><li>➤ Never stand under lifted loads.</li></ul>

Improper transportation and attachment of the machine can:

- injury to persons
- damage to property
  - Pay special attention to the direction of approach when lifting the machine with the transport frame.  
We do not accept any liability for damage resulting from improper handling.

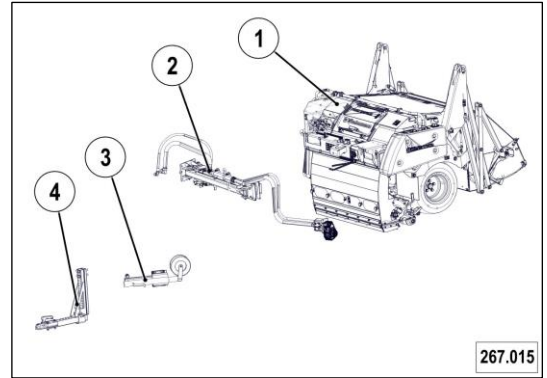
	 <b>WARNING!</b>
	<b>Risk of injury due to the ends of the tensioning straps "jumping up"!</b>
	<ul style="list-style-type: none"><li>➤ Caution must be exercised when cutting through the securing straps.</li></ul>

Assembly must be carried out by at least two people.

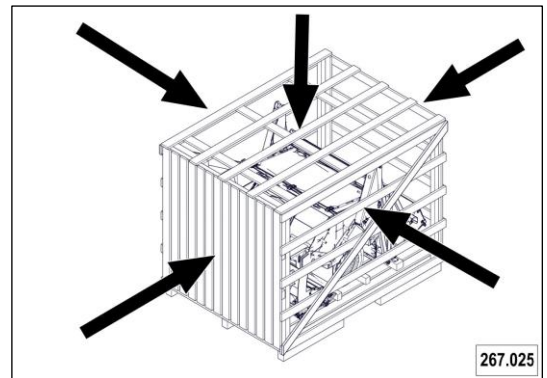
### 5.2. Unpacking the machine

The machine is delivered in five parts.

- Basic machine (1)
- Drawbar (2),  
(with installed hydraulic lines for the hydraulic pump version, connected to the basic machine)
- Support wheel (3),  
stored on the basic machine
- Trailer coupling (4) with mounting bracket
- Remote control



- Remove the cover and side parts of the shipping packaging.
- Check that the delivery is complete.



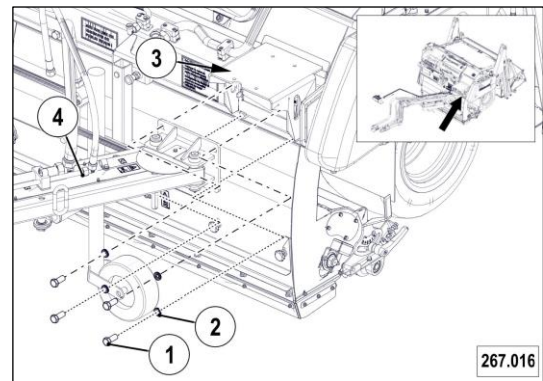
### 5.3. Attaching the drawbar to the basic machine

	<b>CAUTION!</b>
	<b>Risk of injury from falling drawbar</b>
	<ul style="list-style-type: none"> <li>➤ Install the drawbar with a suitable lifting implement.</li> <li>➤ Support the drawbar when fitting it.</li> </ul>

	<b>ATTENTION!</b>
	<b>Material damage due to incorrect fitting</b>
	<ul style="list-style-type: none"> <li>➤ Fit the drawbar and the support wheel while still on the transport frame.</li> <li>➤ Be aware of the connected hydraulic lines when fitting.</li> </ul>

### 5.3.1. Attaching the drawbar to the basic machine on the left

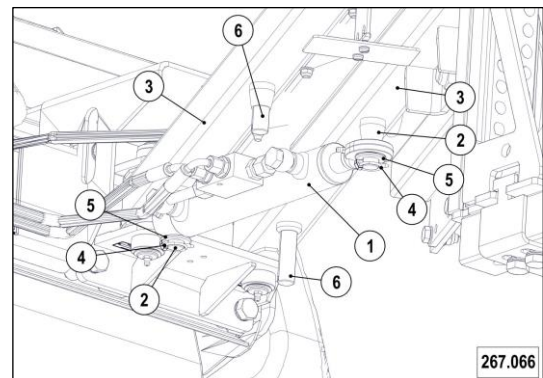
- Unscrew four hexagon screws (1) together with the retaining washers (2) below the console (3).
- Lift the drawbar (4) onto the console (3) with a suitable lifting implement.
- Screw the drawbar (4) with four hexagon screws (1) and one retaining washer (2) each tightly to the frame under the console (3).
- Support the drawbar (4) with an appropriate tool, in order to prevent the machine tilting.



#### Installation position for drawbar on the left

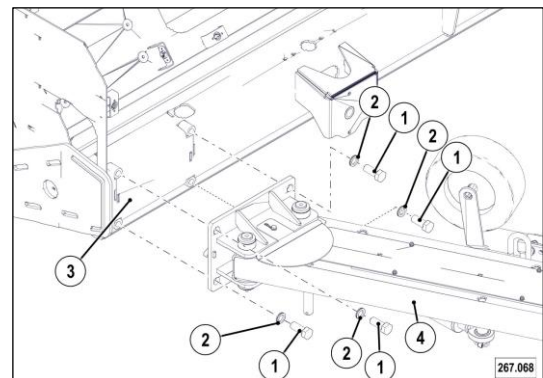
The hydraulic cylinder (1) for drawbar adjustment is installed between the bolts (2) on the drawbar (3) and secured on both bolts (2) with a linch pin (4) and a washer (5).

The bolts (6) remain free.



### 5.3.2. Attaching the drawbar to the basic machine on the right

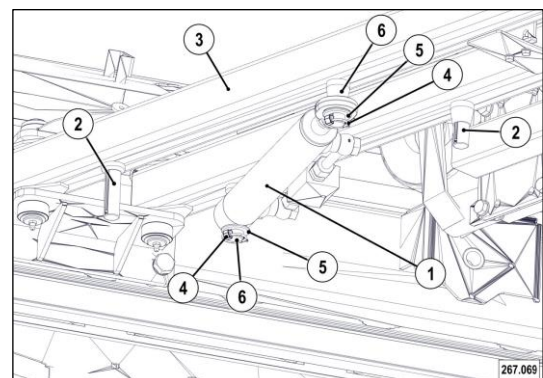
- Unscrew four hexagon screws (1) together with the retaining washers (2) from the frame (3).
- Lift the drawbar (4) onto the console (3) with a suitable lifting implement.
- Screw the drawbar (4) with four hexagon screws (1) and one retaining washer (2) each tightly to the frame (3).
- Support the drawbar (4) with an appropriate tool, in order to prevent the machine tilting.



#### Installation position for drawbar on the right

The hydraulic cylinder (1) for drawbar adjustment is installed between the bolts (6) on the drawbar (3) and secured on both bolts (6) with a linch pin (4) and a washer (5).

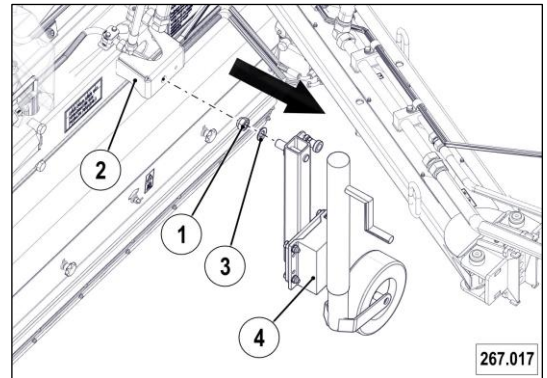
- The bolts (2) remain free.



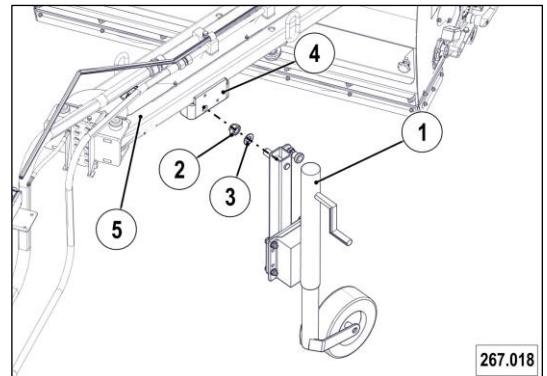


### 5.4. Installing the support wheel

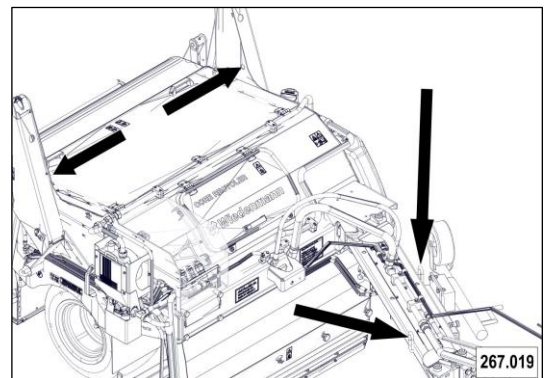
- Unscrew the hexagon nut (1) behind the bracket (2) of the machine and remove with the washer (3).
- Remove the support wheel (4).




- Screw the support wheel (1) with the hexagon screw (2) and washer (3) to the bracket (4) of the drawbar (5).

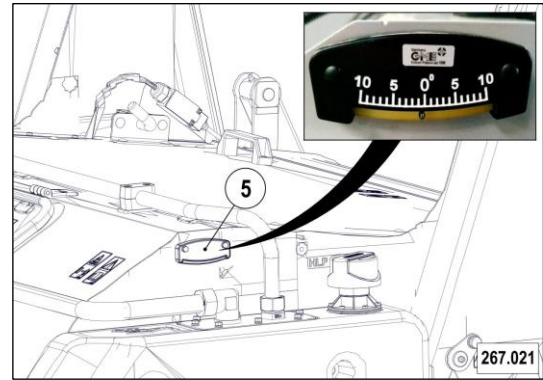


- Lift component parts from the transport pallet with a suitable lifting implement. See machine hitching points. Image 267.019
- Secure the basic machine with chocks.

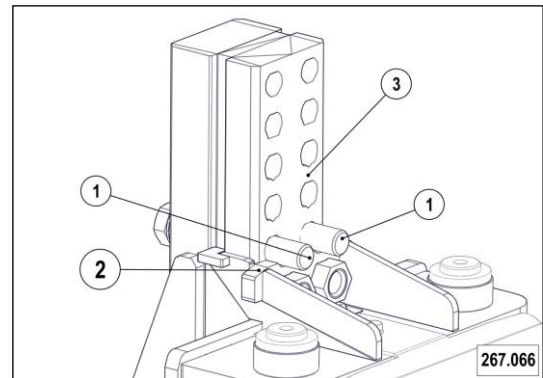


## 5.5. Installing the trailer coupling mounting bracket

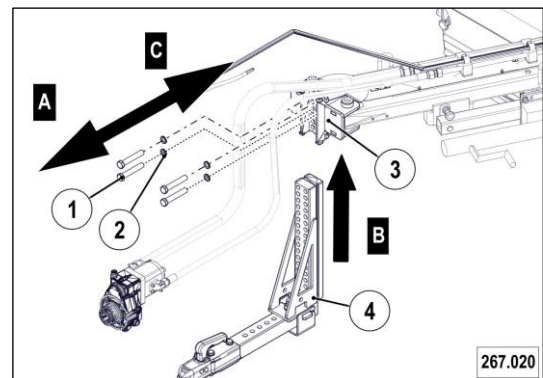
	<b>INFO!</b>
	➤ Install the trailer coupling mounting bracket so that the inclinometer (5) on the left side of the machine is at "0".



Set the height of the trailer coupling mounting bracket (3) by inserting two hexagon screws (1) above the screw points of the joint piece (2).



- Unscrew four hexagon screws (1) and remove from the joint piece (3) together with the retaining washers (2).
- Insert the trailer coupling mounting bracket (4) into the guide of the joint piece (3) with a suitable lifting implement.
- Screw the trailer coupling mounting bracket (4) with four hexagon screws (1) and one retaining washer (2) each tightly to the joint piece (3).



## 6. Transport

### 6.1. Safety instructions for transport

Improper transportation and attachment of the machine can:

- injury to persons
- damage to property
- Pay special attention to the direction of approach when lifting the machine with the transport frame. We do not accept any liability for damage resulting from improper handling.




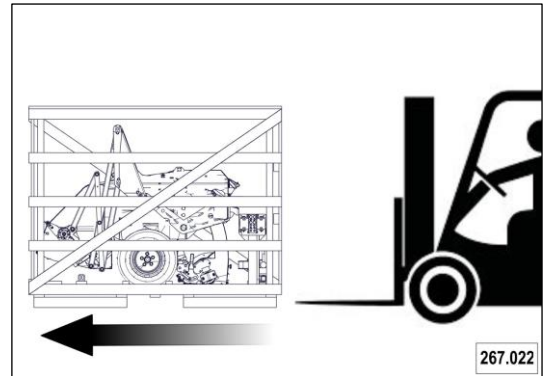
## 6.2. Driving in road traffic with the machine

### 6.2.1. Transport using a forklift

If the machine is still secured on the transport frame:



- Insert the forks under the transport frame (pay attention to the direction of approach),
- carefully lift the transport frame,

	<b>CAUTION!</b>
	<p><b>Tilting load!</b></p> <ul style="list-style-type: none"> <li>➤ When raising the shipping container. pay attention to the load's centre of gravity!</li> </ul>




- Set down the machine for unpacking.
- Assemble the machine.  
See Section 5 "Assembly".

### 6.2.2. Transport Using a Crane

 	<b>ATTENTION!</b>
	<p><b>Deformation of the transport frame</b></p> <ul style="list-style-type: none"> <li>➤ When loading the machine, use a crane traverse on the transport frame.</li> </ul>

- Put the carrying loop of the loading crane lengthwise under the pallet.
- Unload the machine when the pallet is hanging securely.

	<p><b>INFO!</b></p> <ul style="list-style-type: none"> <li>➤ Transportation damage and missing parts must be immediately reported in writing to the transport company and Wiedemann GmbH or the supplier!</li> </ul>
---	--



### 6.2.3. Transportation with an attached machine

- During transportation, set the drawbar so that the machine is travelling in the centre behind the tractor.
- Lift the sweeping head during transportation. See Section 4.5.1 "Sweeping head position rocker switch".
- Switch off the sweeping head during transportation. See Section 4.5.1 "Sweeping head ON/OFF switch".

## 6.3. Loading instructions for transporting the machine

### General information on loading

- For transport, the machine must be secured on both sides in and against the direction of travel.  
See Section **Fehler! Verweisquelle konnte nicht gefunden werden.** „Lashing the machine for transport“.
- Lower the sweeping head while driving in road traffic.
- When loading together with a tractor, the tractor must be additionally secured on both sides in and against the direction of travel.

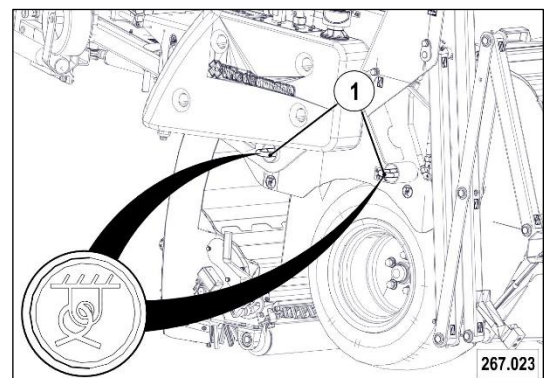
 	<b>⚠ ATTENTION!</b>
	<b>Material damage due to incorrect loading of the machine</b> <ul style="list-style-type: none"> <li>➤ When loading, ensure that the machine's container does not scrape against the loading ramp. If necessary, pull the container out a little.</li> <li>➤ Load the machine so that there is no negative support load.</li> </ul>

### Loading dimensions

Loading width	1,7 m
Loading length without drawbar	2,3 m
Loading length with drawbar	3,7 m



## 6.4. Lashing the machine for transport



- Use the following points for lashing when securing the machine during transport on a trailer.
  - Lashing eyes (1) on the left above the axle.
  - Lashing eyes (2) on the right above the axle.







## 7. Attaching to a tractor

### 7.1. Safety instructions for attachment to the tractor

	 <b>DANGER!</b>
	<p><b>Danger due to rotating p.t.o. shaft!</b></p> <ul style="list-style-type: none"> <li>➤ Only attach the machine when the engine is at a standstill and the P.T.O. drive is switched off.</li> <li>➤ Observe the warning and information signs on the machine!</li> </ul>

	 <b>WARNING!</b>
	<p><b>Danger of tilting!</b></p> <ul style="list-style-type: none"> <li>➤ Only connect on firm and even ground!</li> </ul>

	 <b>CAUTION!</b>
	<p><b>Impairment of the tractor's driving characteristics!</b></p> <ul style="list-style-type: none"> <li>➤ Always adapt your driving style to match the terrain and ground conditions!</li> <li>➤ Special care should be taken when working and turning on a slope!</li> <li>➤ Take into account unevennesses of the ground (bumps)!</li> </ul>

	 <b>CAUTION!</b>
	<p><b>Risk of an accident due to incorrectly routed supply lines</b></p> <ul style="list-style-type: none"> <li>➤ Route the machine's electrical connection cable into the tractor cab so as to be roadworthy.</li> <li>➤ Route the hydraulic connection cables so as to be roadworthy.</li> </ul>

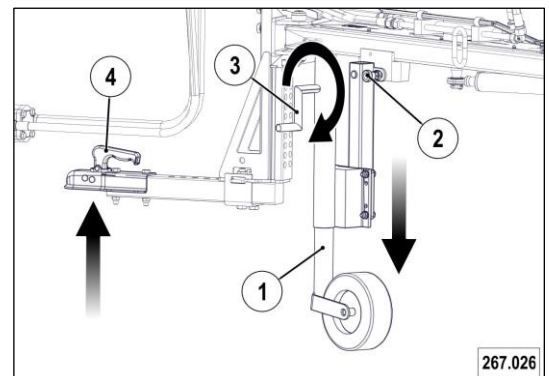
- Ball clutch for attaching the machine

### 7.2. Attaching the machine

#### 7.2.1. Core Recycler with hydraulic pump

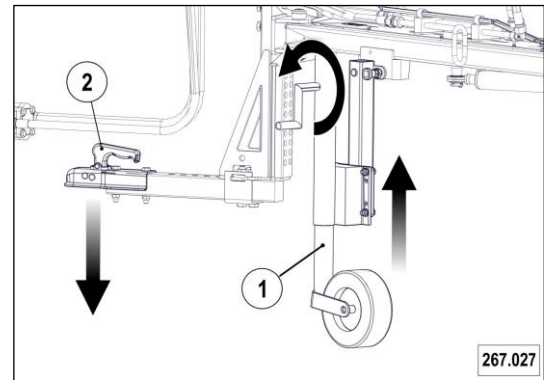
The support wheel (1) is swivelled down and the locking bolt (2) securely engaged.

- Turn the support wheel (1) down with the crank (3) until the ball clutch (4) can be moved over the ball head on the tractor.

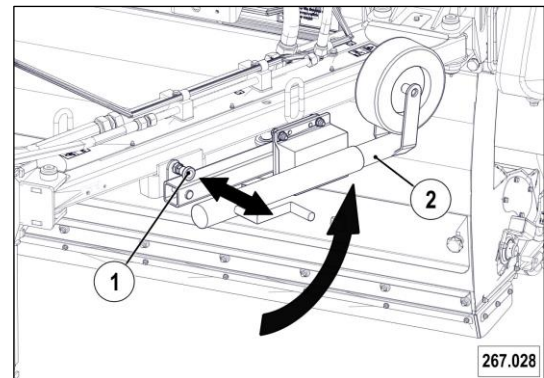


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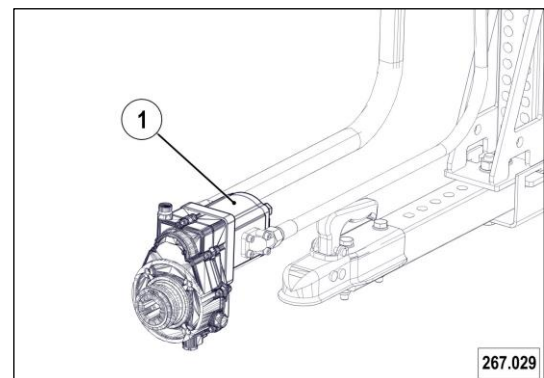
- Hook the machine into the ball head of the tractor by turning the support wheel (1) until the ball clutch (2) audibly engages.



- Release the locking bolt (1) and swivel the support wheel (2) upwards until the locking bolt (1) audibly engages.



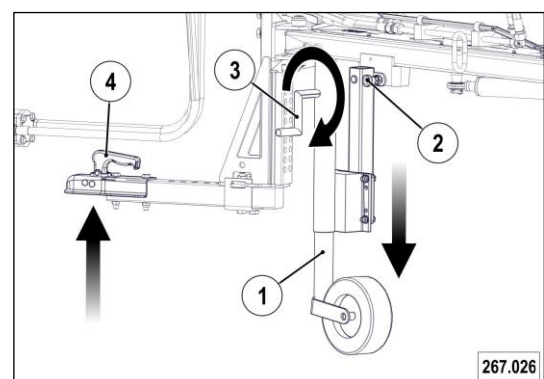
- Fit the hydraulic pump (1) on the cardan shaft of the tractor.
- Secure the hydraulic pump against twisting with a securing chain on the lower guide bar of the tractor.
- Connect the machine's electrical connection cable to the tractor.
- Connect the remote control and route into the tractor cab so as to be roadworthy.



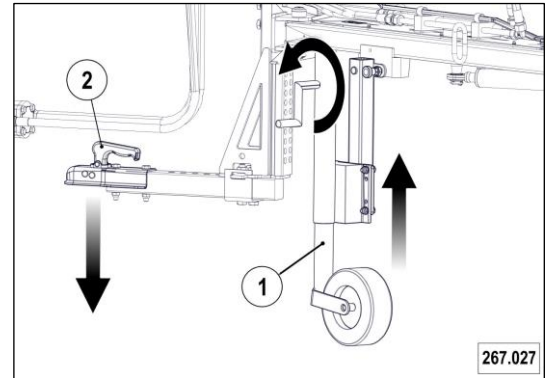
### 7.2.2. Core Recycler with combustion engine

The support wheel (1) is swivelled down and the locking bolt (2) securely engaged.

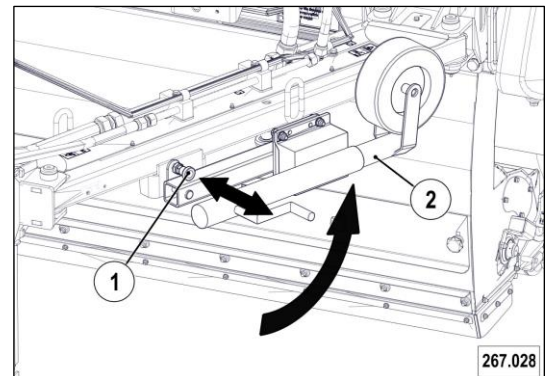
- Turn the support wheel (1) down with the crank (3) until the ball clutch (4) can be moved over the ball head on the tractor.



- Hook the machine into the ball head of the tractor by turning the support wheel (1) until the ball clutch (2) audibly engages.



- Release the locking bolt (1) and swivel the support wheel (2) upwards until the locking bolt (1) audibly engages.





- Connect the machine's electrical connection cable to the tractor.
- Connect the remote control and route into the tractor cab so as to be roadworthy.


## 8. Before initial operation

### 8.1. General information before startup

- Familiarise yourself with all equipment and operating elements and their functions before starting work.
- In addition to the information provided in these Operating Instructions, please also observe generally applicable safety and accident-prevention standards.
- The machine is **NOT** approved for travel on public roads.
- Special care should be taken when working and turning on a slope – **DANGER OF TOPPLING – !**
- Check whether all connection parts necessary for complete delivery are there.
- Observe the technical data when connecting to other tractor types.
- Observe the warning and information signs on the machine!

	 <b>WARNING!</b>
	<b>Risk of injury due to rotating machine parts</b>
	➤ Before working on and setting the machine, switch off the engine and remove the ignition key.

### 8.1.1. Additionally for Core Recycler with combustion engine

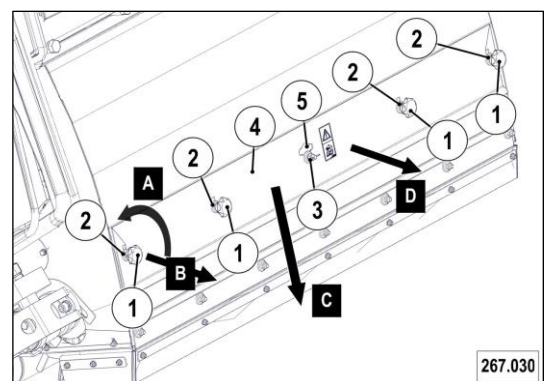
	<b>⚠ WARNING!</b>
	<p><b>Risk of injury due to running engine</b></p> <p>➤ Before working on and setting the machine, switch off the combustion engine and remove the ignition key.</p>

## 8.2. Settings on the machine

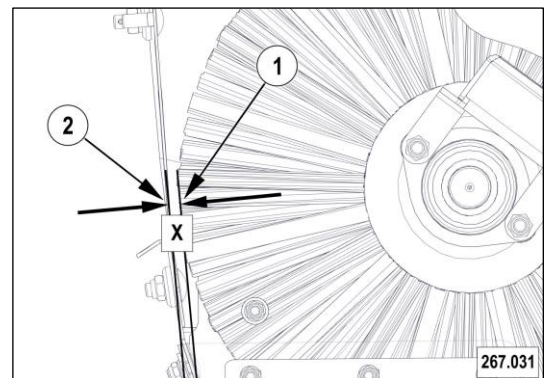
Carry out the adjustment on a flat, paved surface.

### 8.2.1. Checking the distance from the cylinder broom to the front wall

- Lower the sweeping head to the ground. See Section 4.5.1 „Sweeping head position rocker switch“.
- Release the star grips (1) and remove together with the washers (2) and lock washers.
- Loosen the hexagon nut (3) slightly.
- ☑ Now the cover (4) of the maintenance hole can be pushed down and removed via the recess (5).

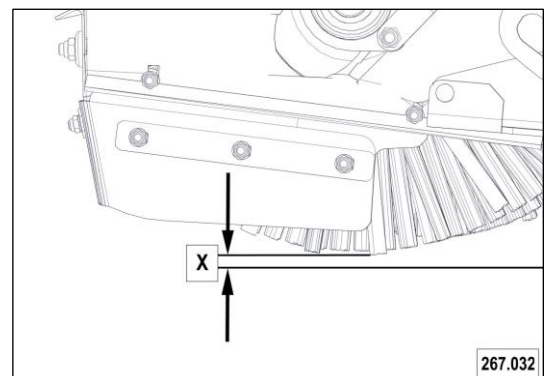


The distance from the cylinder broom to the front wall should be 3 – 4 mm.



### 8.2.2. Checking the distance from the cylinder broom to the ground

The distance (dimension X) from the ground to the cylinder broom should be at least 10 mm.

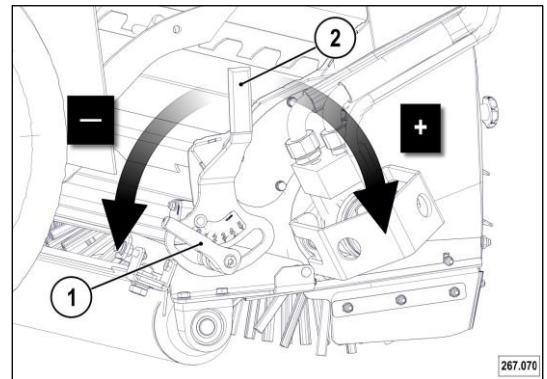




### 8.2.3. Setting distances from the cylinder broom to the front wall and ground

#### Setting by adjusting the feeler roller

- Lower the sweeping head to the ground. See Section 4.5.1 „Sweeping head position rocker switch“.
- Release the clamping levers (1) on both sides of the machine.
- "Height adjustment" lever (2) in the "+" direction, in order to increase the distance of the cylinder broom from the ground.
- "Height adjustment" lever (2) in the "-" direction, in order to reduce the distance of the cylinder broom from the ground.
- Retighten the clamping levers (1) on both sides of the machine.

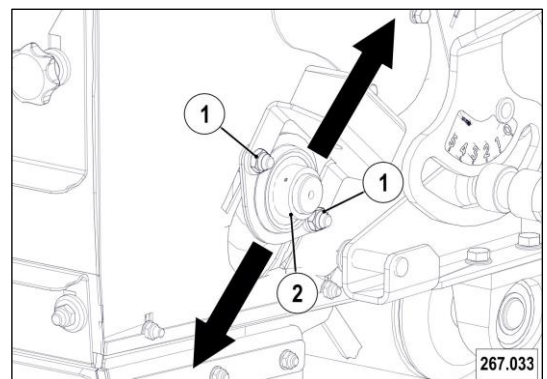


#### Setting by adjusting the cylinder broom bearing

- With new brushes, put the ends of the cylinder broom fully up.

To adapt the correct distances of the cylinder broom to the front wall and ground:

- Lift the sweeping head onto the ground. See Section 4.5.1 „Sweeping head position rocker switch“.
- Secure the sweeping head against lowering using a support (piece of wood or block) under the rear feeler roller.
- Gently release the two hexagon nuts (1) on both sides of the machine.
- Move the axles (2) of the cylinder broom equally on both sides according to the correction.
- Retighten the hexagon nuts (1).



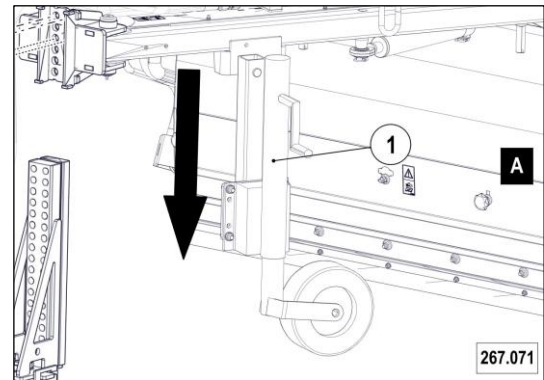
### 8.2.4. Checking settings

- Check the settings again after a few metres.

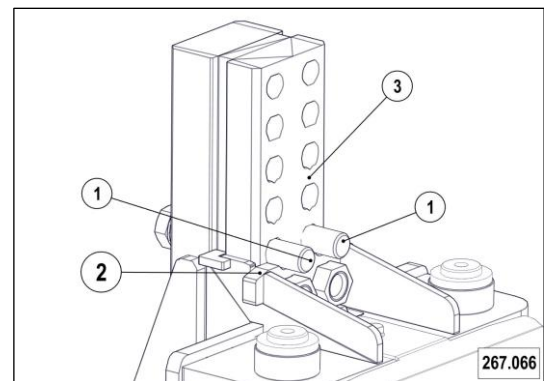
### 8.3. Setting drum screens

Set the inclination of the drum screens. To do so:

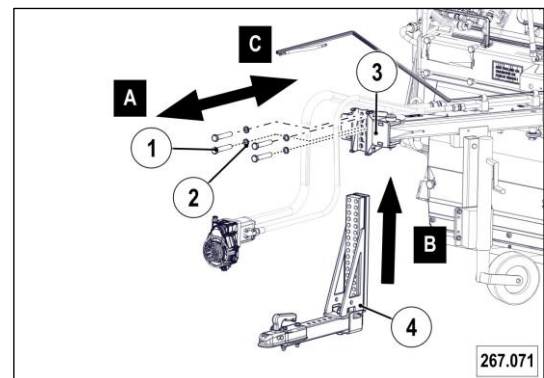
- Pull the support wheel (1) out.  
See Section Fehler! Verweisquelle konnte nicht gefunden werden..




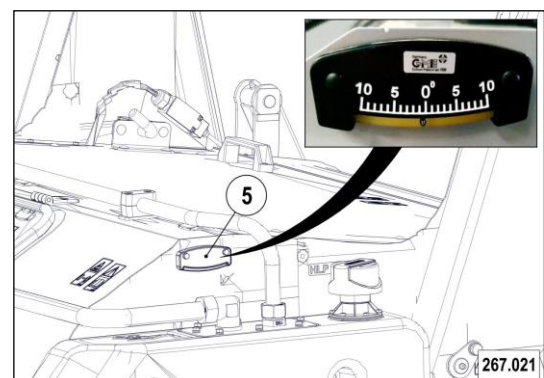
Set and secure the height of the trailer coupling mounting bracket (3) by inserting two hexagon screws (1) above the screw points of the joint piece (2).



- Unscrew four hexagon screws (2) and remove from the joint piece (4) together with the retaining washers (3).
- Insert the trailer coupling mounting bracket (4) into the guide of the joint piece (3) with a suitable lifting implement.
- Screw the trailer coupling mounting bracket (4) with four hexagon screws (1) and one retaining washer (2) each tightly to the new position of the joint piece (3).





	<p><b>INFO!</b></p> <p>Install the trailer coupling mounting bracket so that the inclinometer (5) on the left side of the machine is at "0". A larger inclination is required</p> <ul style="list-style-type: none"> <li>• For very dry working conditions</li> <li>• For low screening</li> <li>• For closed screens</li> <li>• For sharply undulating terrain</li> </ul>
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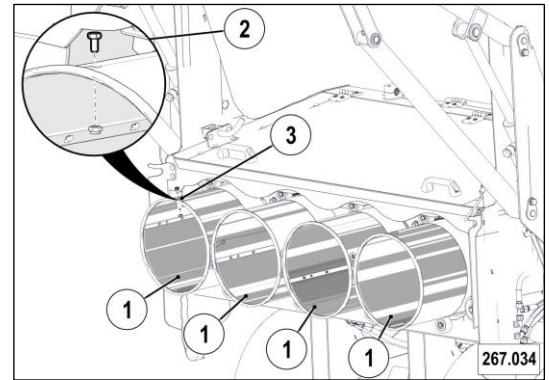




### 8.4. Adjusting the drum screen

All of the collected material is conveyed directly and unsifted into the waste material container by the inserts.

 	<b>⚠ ATTENTION!</b>
	<p style="margin: 0;"><b>Exceeding the permissible total weight</b></p> <p style="margin: 0;">➤ Observe the permissible total weight and permissible axle loads.</p>



- Roll up the insert (1); when doing this, the hexagon nut (2) should always be on the outside.
- Push a rolled up insert (1) into each drum screen and click into place in the notch (3) with the nut (2).

### 8.5. Engine operation – combustion engine



All information required for handling, operating or adjusting the Honda engine can be obtained from the enclosed manufacturer's operating instructions.



The following documents from Honda are contained in the delivery:



- Operating instructions GERMAN – ITALIANO – NEDERLANDS
- Operating instructions ENGLISH – FRANÇAIS – ESPAÑOL
- Warranty information leaflet
- Manufacturer's declaration
- Certificate of emissions values for the US

## 9. Operation

### 9.1. General information on operation

	 <b>DANGER!</b>
	<p><b>Risk of injury from the combustion engine</b></p> <ul style="list-style-type: none"> <li>➤ Operating the combustion engine in closed spaces is forbidden. – <b>Risk of poisoning</b></li> <li>➤ Switch off the engine and allow it to cool down before refuelling. – <b>Risk of burns</b></li> </ul>

	 <b>WARNING!</b>
	<p><b>Risk of injury when remaining in the danger area!</b></p> <ul style="list-style-type: none"> <li>➤ In the working area, the user is responsible for the safety of other persons!</li> <li>➤ Keep all persons clear of the danger zone of the machine!</li> <li>➤ When approaching, always observe the proximity (children)!</li> </ul>

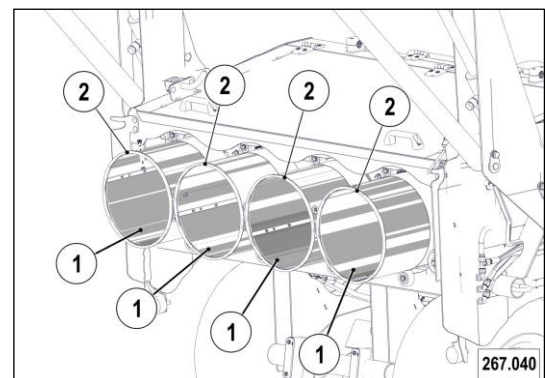
	 <b>CAUTION!</b>
	<p><b>Impairment of the tractor's driving characteristics!</b></p> <ul style="list-style-type: none"> <li>➤ Always adapt your driving style to match the terrain and ground conditions!</li> <li>➤ Special care should be taken when working and turning on a slope!</li> <li>➤ Take into account unevennesses of the ground (bumps)!</li> </ul>

- Never park the machine on a slope.
- The machine must be loaded on a trailer for transportation on public roads.
- When allowing another person to work with the Core Recycler, instruct them regarding operation and application, and ask them to read the operating instructions.
- Never make the Core Recycler available to someone who does not understand these operating instructions and the adhesive safety signs.

### 9.2. Operating modes

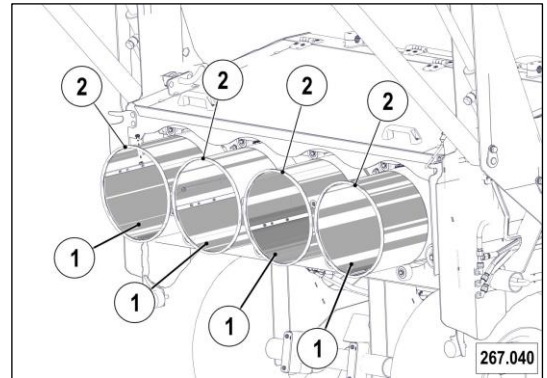
#### 9.2.1. Material separation

With material separation, operation does not involve the inserts (1) going into the drum screens (2).



**9.2.2. Complete material collection (full collection)**

- For complete material collection, insert the inserts (1) into the drum screens (2).  
See Section 8.4 „Adjusting the drum screen“.



**9.3. Hot surfaces**

The following components may become hot during operation:

- Hydraulic lines
- Oil tank
- Oil cooler

**Additionally for Core Recycler with combustion engine:**

- Exhaust system
- Engine case
- When working on the machine, ensure that you are wearing personal protective equipment (PPE) such as:
  - Work gloves

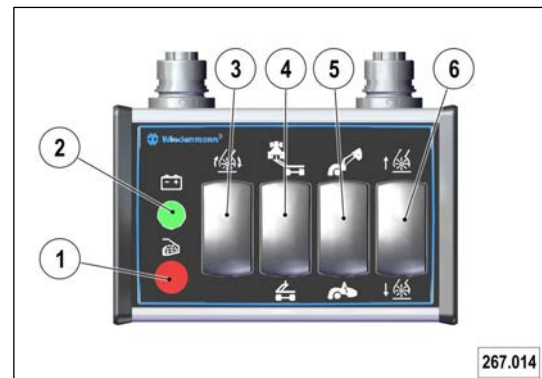
**9.4. Switching on the machine**

	<b>WARNING!</b>
	<b>Risk of injury when remaining in the danger zone</b>
	<ul style="list-style-type: none"> <li>➤ The operator is responsible for the safety of third parties in the working area.</li> <li>➤ Staying in the machine's danger zone is forbidden.</li> <li>➤ When starting up, always consider the immediate vicinity (children).</li> </ul>

	<b>CAUTION!</b>
	<b>Incorrect sequence when switching on!</b>
	<ul style="list-style-type: none"> <li>➤ Observe the following sequence when switching on the machine!</li> </ul>

### 9.4.1. Core Recycler with hydraulic motor

- Drive onto the area to be processed.
- Push the "Drawbar position" rocker switch (4) up or down in order to move the drawbar to the required position.
- Switch on the PTO stub shaft drive.
- Increase the speed slightly.
- Push the "Switch sweeping head on/off" rocker switch (3) down in order to switch on the sweeping head.
- Push the "Sweeping head position" rocker switch (6) down in order to lower the cylinder broom.



#### INFO!

- Always adapt the speed to the weather conditions and the quantity to be picked up.
- When changing position with the machine in the working area, the sweeping head needs to be raised.

✓ Now the work area can be processed

### 9.4.2. Core Recycler with combustion engine

Switch on the combustion engine according to an excerpt from the operating instructions of the engine manufacturer:

- Open the fuel valve.
- Set the choke lever to "closed".
- Adjust the throttle to a third of the way.
- Set the engine switch to ON.
- Turn the ignition key to "START" and hold it in this position until the engine starts.
- When the engine starts, release the ignition key so that it returns to ON.
- Gradually set the choke lever back to "open".
- Set the throttle to "full speed" to reach maximum power.



- Drive onto the area to be processed.
- Push the "Drawbar position" rocker switch (4) up or down in order to move the drawbar to the required position.
- Push the "Switch sweeping head on/off" rocker switch (3) down in order to switch on the sweeping head.
- Push the "Sweeping head position" rocker switch (6) down in order to lower the cylinder broom.



<b>i</b>	<p><b>INFO!</b></p> <ul style="list-style-type: none"> <li>➤ Always adapt the speed to the weather conditions and the quantity to be picked up.</li> <li>➤ When changing position with the machine in the working area, the sweeping head needs to be raised.</li> </ul>
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✓ Now the work area can be processed

### 9.5. High-level emptying

The machine is equipped with a high dump.

<b>!</b>	<p><b>! WARNING!</b></p>
	<p><b>Risk of injury when remaining in the danger area!</b></p> <ul style="list-style-type: none"> <li>➤ In the working area, the user is responsible for the safety of other persons!</li> <li>➤ Keep all persons clear of the danger zone of the machine!</li> </ul>

<b>!</b>	<p><b>! WARNING!</b></p>
	<p><b>Danger of overturning!</b></p> <ul style="list-style-type: none"> <li>➤ Do not raise the container when the machine is at an angle (tilted)!</li> </ul>

<b>!</b>	<p><b>! DANGER!</b></p>
	<p><b>Danger to life due to electric shock!</b></p> <ul style="list-style-type: none"> <li>➤ Pay attention to overhead lines when emptying the container and when the container is raised!</li> </ul>

<b>i</b>	<p><b>INFO!</b></p> <ul style="list-style-type: none"> <li>➤ Before lifting the container, swivel the drawbar into the transport position. See 6.2.3 „Transportation with an attached machine“</li> </ul>
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- Move the machine almost all the way up to the fill object.

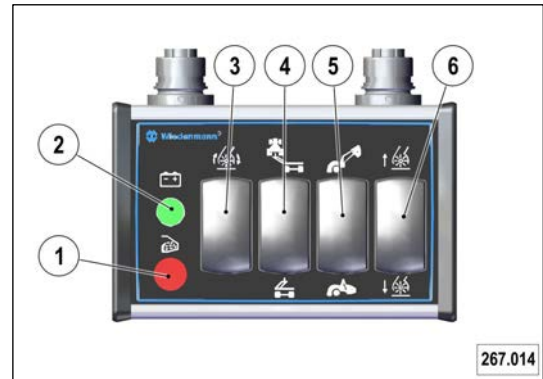
**For Core Recycler hydraulic motor:**

- Switch on the PTO stub shaft drive.

**For Core Recycler combustion engine:**

- Switch on the combustion engine.
- Push the "Sweeping head position" rocker switch (6) up in order to lift the cylinder broom.
- Push the "Empty container" rocker switch (5) up until the container is fully up and emptied.
- Push the "Empty container" rocker switch (5) down until the container is fully retracted.

✓ Now you can go ahead with processing.



## 10. Detaching from the tractor

### 10.1. Safety instructions for dismantling the tractor

	<b>⚠ DANGER!</b>
	<p><b>Risk of injury from rotating p.t.o. shaft!</b></p> <ul style="list-style-type: none"> <li>➤ Only detach the machine when the engine is at a standstill and the P.T.O. drive is switched off!</li> <li>➤ Observe the warning and information signs on the machine!</li> </ul>

	<b>⚠ DANGER!</b>
	<p><b>Risk of injury due to the machine rolling away!</b></p> <ul style="list-style-type: none"> <li>➤ Before disconnecting the machine from the tractor, secure it with chocks to prevent it from rolling away! See Section 3.7.1 "Shutting down and securing the machine"</li> </ul>

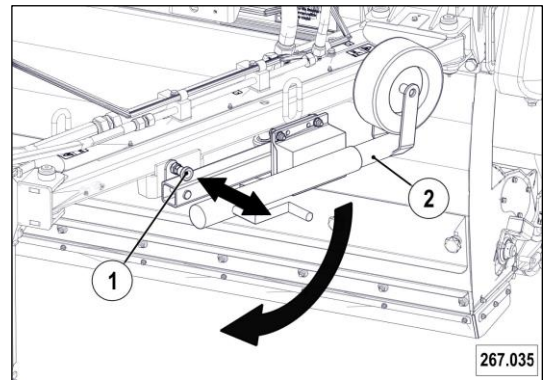
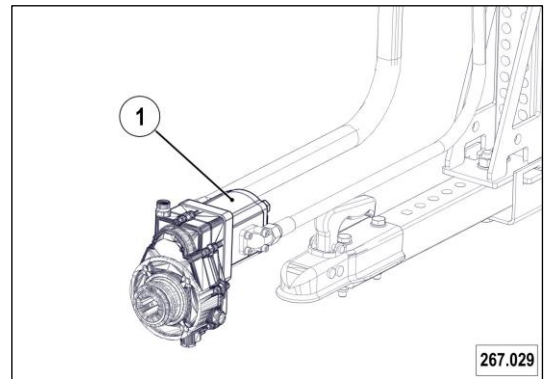
	<b>⚠ WARNING!</b>
	<p><b>Failure to wear personal protective equipment poses a risk of injury.</b></p> <ul style="list-style-type: none"> <li>➤ Wear personal protective equipment. See Section 3.6.10 „Personal protective equipment“.</li> </ul>

	<b>⚠ WARNING!</b>
	<p><b>Danger of overturning!</b></p> <ul style="list-style-type: none"> <li>➤ Only detach the machine on solid and flat ground!</li> <li>➤ Never detach the machine with the high dump raised!</li> <li>➤ Only detach the machine when the container is empty!</li> </ul>

**10.2. Remove the machine from the tractor**

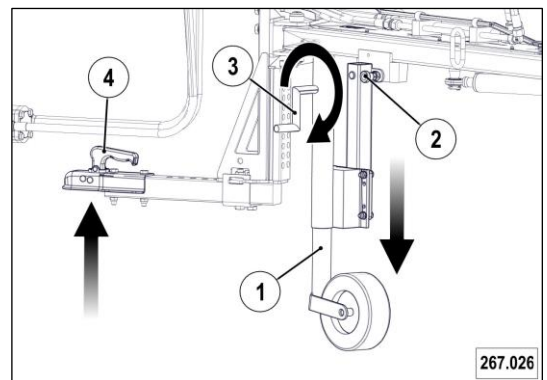
**10.2.1. Core Recycler with hydraulic motor**

- Move the machine to the required position.
- Switch off the engine.
- Remove the ignition key.
- Secure the hand brake.
- Secure the machine with chocks.
- Take the remote control out the tractor cab, unplug from the supply line and store securely.
- Unplug electrical connection lines on the tractor.
- Remove the securing chain of the hydraulic pump (1) on the lower guide bar.
- Remove the hydraulic pump (1) from the cardan shaft of the tractor.
- Release the locking bolt (1) and swivel the support wheel (2) downwards until the locking bolt (1) audibly engages.



The support wheel (1) is swivelled down and the locking bolt (2) securely engaged.

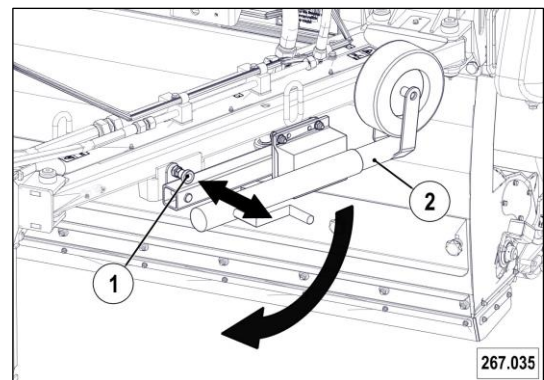
- Turn the support wheel (1) down with the crank (3) until the ball clutch (4) is unhooked from the ball head of the tractor.





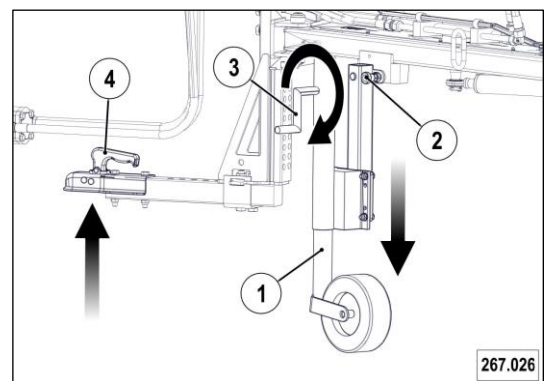
### 10.2.2. Core Recycler with combustion engine

- Move the machine to the required position.
- Switch off the engine.
- Remove the ignition key.
- Secure the hand brake.
- Switch off the combustion engine.
- Secure the machine with chocks.
- Take the remote control out the tractor cab, unplug from the supply line and store securely.
- Unplug electrical connection lines on the tractor.
- Release the locking bolt (1) and swivel the support wheel (2) downwards until the locking bolt (1) audibly engages.



The support wheel (1) is swivelled down and the locking bolt (2) securely engaged.



- Turn the support wheel (1) down with the crank (3) until the ball clutch (4) is unhooked from the ball head of the tractor.











## 11. Maintenance



### 11.1. General instructions for maintenance



	 <b>DANGER!</b>
	<p><b>An unsecured tractor poses a risk of injury.</b></p> <ul style="list-style-type: none"> <li>➤ Only carry out maintenance on a level, fixed surface with the equipment attached.</li> <li>➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key!</li> <li>➤ Secure the tractor to prevent it from rolling away. (parking brake).</li> </ul>


	 <b>DANGER!</b>
	<p><b>Risk of accident due to improper maintenance</b></p> <ul style="list-style-type: none"> <li>➤ Maintenance, repair and dismantling work must only be carried out by qualified professionals.</li> <li>➤ Switch off the combustion engine (optional).</li> <li>➤ Observe the engine manufacturer operating instructions.</li> </ul>


	 <b>DANGER!</b>
	<p><b>Risk of injury from rotating machine parts!</b></p> <ul style="list-style-type: none"> <li>➤ Prior to performing any servicing, maintenance or cleaning work, shut down the engine and remove the ignition key!</li> </ul>



	 <b>DANGER!</b>
	<p><b>Danger to life due to electric shock!</b></p> <ul style="list-style-type: none"> <li>➤ Pay attention to overhead lines when emptying the container and when the container is raised!</li> </ul>

	 <b>DANGER!</b>
	<p><b>Risk of poisoning and burns due to combustion engine</b></p> <ul style="list-style-type: none"> <li>➤ Before maintenance and repair work, switch off the engine, remove the ignition key and let the engine cool down.</li> </ul>

	 <b>WARNING!</b>
	<p><b>Incorrect servicing/maintenance!</b></p> <ul style="list-style-type: none"> <li>➤ Welding of bearing parts of the vehicle may only be carried out according to the accepted rules of welding technology!</li> <li>➤ Replace damaged tools!</li> </ul>

	<b>⚠ WARNING!</b>
	<p><b>Failure to wear personal protective equipment poses a risk of injury.</b></p> <ul style="list-style-type: none"> <li>➤ Wear personal protective equipment. See Section 3.6.10 „Personal protective equipment“.</li> </ul>

	<b>⚠ CAUTION!</b>
	<p><b>Risk of injury due to crushing</b></p> <ul style="list-style-type: none"> <li>➤ When opening and closing the maintenance flap, use the handles provided.</li> </ul>

 	<b>⚠ ATTENTION!</b>
	<ul style="list-style-type: none"> <li>➤ <b>Only original parts should be used!</b> Parts from other manufacturers are often not of sufficient quality and so endanger your safety.</li> </ul> <p>In addition, the warranty and claims against warranty can only be guaranteed if only <b>original parts by Wiedemann</b> were used. We explicitly inform you that parts not delivered by Wiedemann are not tested or released by Wiedemann. Therefore, installing or using such products may negatively influence preset properties of your vehicle and therefore endanger your active or passive safety. Damage caused by the use of parts other than original parts are excluded from the manufacturer's liability</p>

## 11.2. Maintenance tables

### 11.2.1. Maintenance table (staggered in time)

Maintenance interval	Maintenance measure	Area
Every 8 hours	➤ Clean the machine See 11.4	Whole machine
	➤ Clean with a water hose See 11.4	Sweeping head
	➤ Check for leaks See <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b>	Hydraulic lines
As required	➤ Clean several times with a cleaning rod in wet conditions.	Sweeping head
	➤ Check the tyre pressures and correct, if necessary: See <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b>	Wheels
	➤ Clean the coarse filter See 11.4.5	Coarse filter upstream of oil cooler

Maintenance interval	Maintenance measure	Area
Every 50 hours	Check the wear of the gear wheels. See 11.4.3	Drum screen gear ring and gear wheels
	Screen frame – clean and lubricate the guide. See 11.4.3	Screen frame – guide
	Check the spring tension and screw connection.	Exhaust pipe mounting (combustion engine)
	Lubricate the vertical bearing of the support roller. See 11.3.6	Sweeping head
	Check hydraulic hoses for porosity and damage and replace if necessary. <b>See Fehler! Verweisquelle konnte nicht gefunden werden.</b>	Hydraulic lines
Every 100 hours	Lubricate the lubrication nipples using a grease gun. See 11.3.2 and 11.3.3	Container lifting pivot points
	Lubricate the lubrication nipples using a grease gun. See 11.3.4	Drawbar pivot points
	Lubricate both lubrication nipples on the ends of the cylinders. <b>See Fehler! Verweisquelle konnte nicht gefunden werden.</b>	Drawbar adjustment cylinder
After 300 hours or 36 months	Replace the hydraulic oil. See 11.8.1	Hydraulic system in the oil tank
Every 500 hours	Protect the machine	Whole machine
Every 6 years	Replace hydraulic lines.	Hydraulic system
Combustion engine	All information from the engine manufacturer required for performing maintenance can be obtained from the enclosed operating instructions for the engine.	

## 11.3. Lubrication

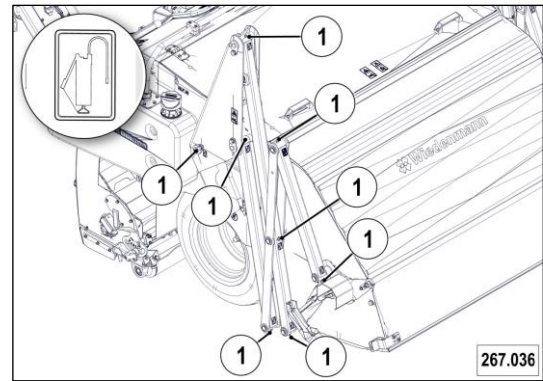
### 11.3.1. Lubricating greases

Designation	Capacity	Specification
Grease	ca. 0,3 l	MT47 (Visk 55) with 3-5 % molybdenum disulphide

### 11.3.2. Left container lifting pivot points

Lubrication nipples (1) are installed on the left side of the machine on the pivot points of the container lifting system.

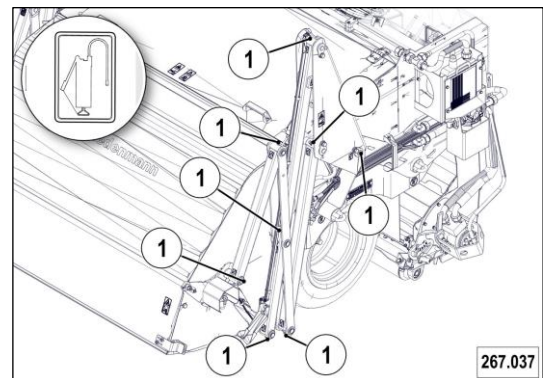
- Lubricate the lubrication nipples (1) using a grease gun.



### 11.3.3. Right container lifting pivot points

Lubrication nipples (1) are installed on the left side of the machine on the pivot points of the container lifting system.

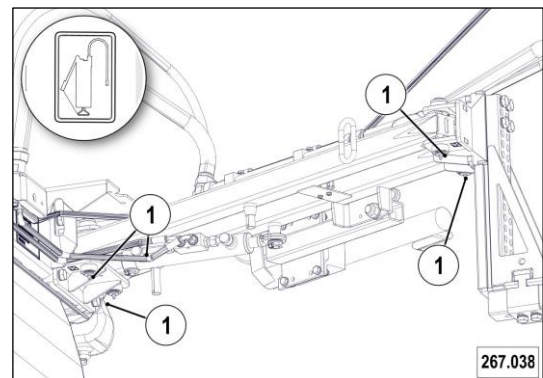
- Lubricate the lubrication nipples (1) using a grease gun.



### 11.3.4. Drawbar pivot points

Lubrication nipples (1) are installed underneath the drawbar on pivot points at the front and rear.

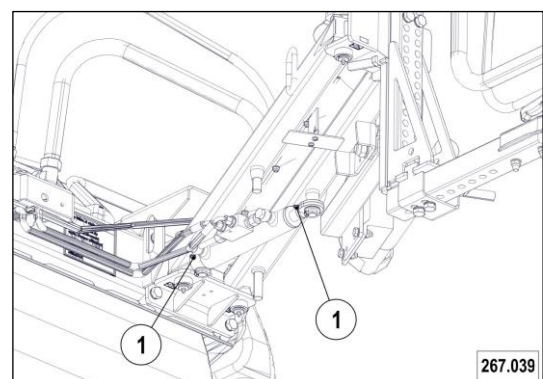
- Lubricate the lubrication nipples (1) using a grease gun.



### 11.3.5. Drawbar adjustment cylinder

A cylinder is installed under the drawbar for adjustment.

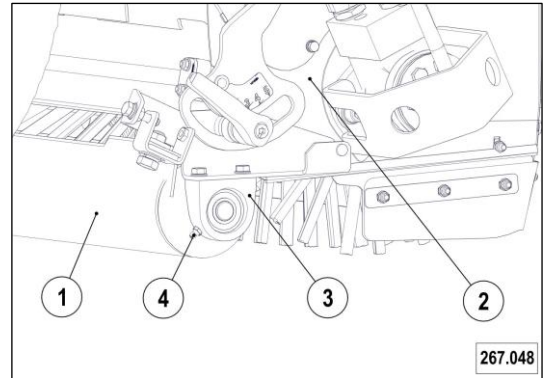
- Lubricate the lubrication nipples (1) using a grease gun.



### 11.3.6. Vertical bearing of the support roller

The support roller (1) is stored underneath the sweeping head (2) on both sides with a web bearing (3).

- Lubricate the lubrication nipples (4) using a grease gun.



### 11.4. Cleaning the machine

	<b>⚠ WARNING!</b>
	<p><b>Risk of injury due to running engine</b></p> <ul style="list-style-type: none"> <li>➤ Before working on and setting the machine, switch off the combustion engine and remove the ignition key.</li> </ul>

	<b>⚠ WARNING!</b>
	<p><b>Risk of injury due to cleaning the machine incorrectly</b></p> <ul style="list-style-type: none"> <li>➤ Cleaning must only be carried out using hand brushes or water - never with bare hands.</li> </ul>

	<b>⚠ WARNING!</b>
	<p><b>Failure to wear personal protective equipment poses a risk of injury.</b></p> <ul style="list-style-type: none"> <li>➤ Wear personal protective equipment. See Section Fehler! Verweisquelle konnte nicht gefunden werden. "Fehler! Verweisquelle konnte nicht gefunden werden."</li> </ul>

	<b>⚠ ATTENTION!</b>
	<p><b>Material damage caused by aggressive cleaning products</b></p> <ul style="list-style-type: none"> <li>➤ Do not place plastic parts and sealing elements in contact with aggressive liquids. (e.g. carbon tetrachloride, tri, benzene, alkalis, acids, etc.)</li> </ul>

Checking and cleaning the machine on a regular basis will help you detect the following damage at an early stage:

- Loose components
- Damaged cables or lines
- Wear and unwanted points of collision.
- Clean all dirty parts with water.
- Clean all signs and markings with a dry cloth.
- Apply spray oil to the machine after cleaning.

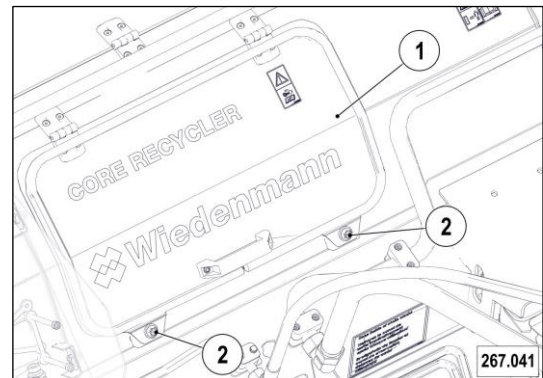
#### 11.4.1. Main cleaning points

- Cylinder broom
- Sweeping head channel
- Drum screen in the container
- Brushes for drum screen
- Check and clean the intake channel after use on wet ground.


#### 11.4.2. Opening the cleaning flap

The cleaning flap (1) is located on the front side of the machine.

- Unscrew the fixing screws (2) of the cleaning flap (1).
- Fold the cleaning flap (1) back and place it on the machine.
- ☑ The fixing screws (2) remain on the cleaning flap (1).

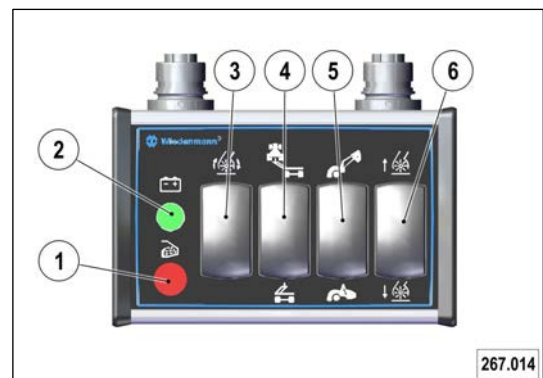


#### 11.4.3. Cleaning the drum screen

	<b>WARNING!</b>
	Failure to wear personal protective equipment poses a risk of injury.
	➤ Wear personal protective equipment. See Section Fehler! Verweisquelle konnte nicht gefunden werden. "Fehler! Verweisquelle konnte nicht gefunden werden."

#### Raising the container

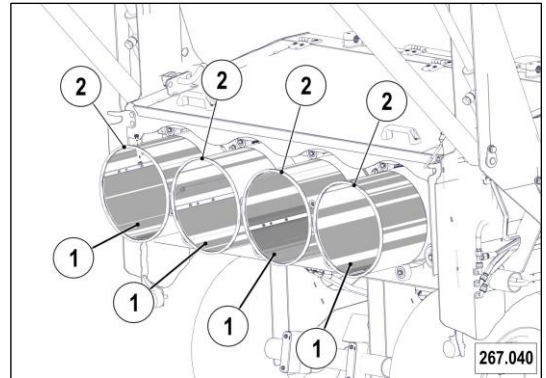
- Push the "Sweeping head position" rocker switch (6) up in order to lift the cylinder broom.
- Push the "Empty container" rocker switch (5) up until the container is fully up and emptied.
- Switch off the engine and remove the ignition key.
- Switch off the hydraulic pump.



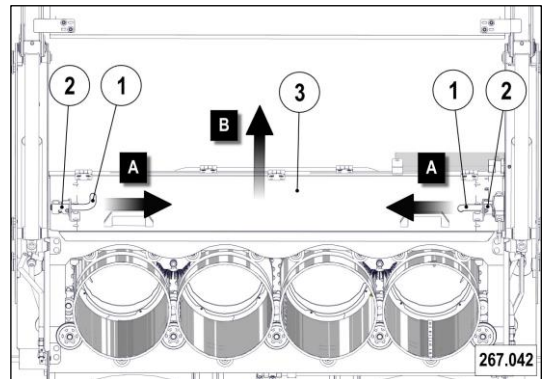
**Removing drum screens**

- Remove individual drum screens (2) and the insert (1) in order to clean them.

<b>i</b>	<b>INFO!</b>
	➤ If the shape is too pointed, replace the tooth flanks, gear wheels or drum screens.

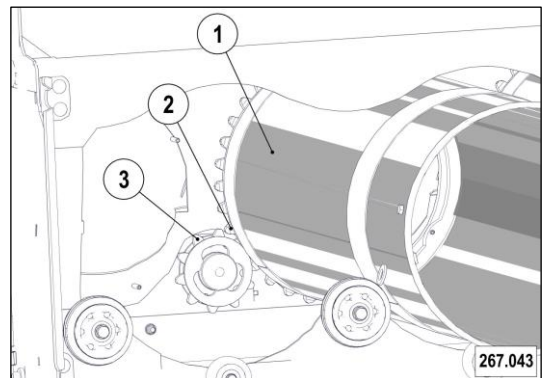


- Remove the security latch (1) and secure to the brackets (2).
- Swivel the covering hood (3) up.

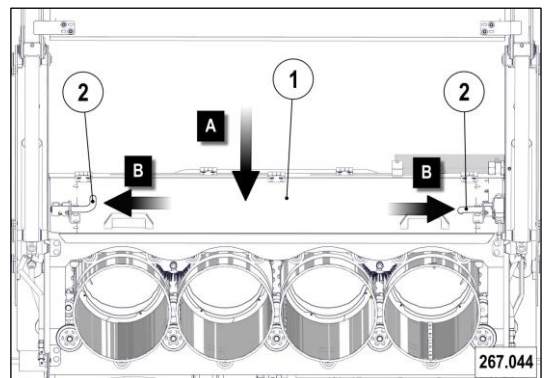


**Inserting drum screens**

- Insert drum screens (1) with the gear ring (2) into the gear wheels (3).



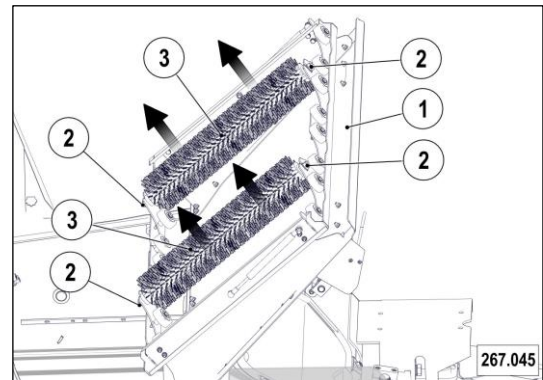
- Close the covering hood (1) again and lock with the security latches (2).





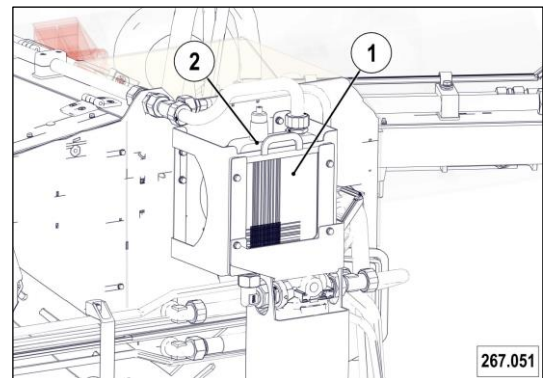
#### 11.4.4. Adjusting the brush for the drum screen

- Unlock the covering hood (1) and swivel upwards.
- Release the hexagon nut (2) of the corresponding brush (3).
- Adjust the corresponding brush (3).
- Retighten the hexagon nut (2).
- Close the covering hood (1) again and check the new setting of the brushes.
- If necessary, further adjust the brushes (3).



#### 11.4.5. Coarse filter – oil cooler – hydraulic system

- Remove the coarse filter (1) upstream of the oil cooler (2) if required and clean with water or compressed air.

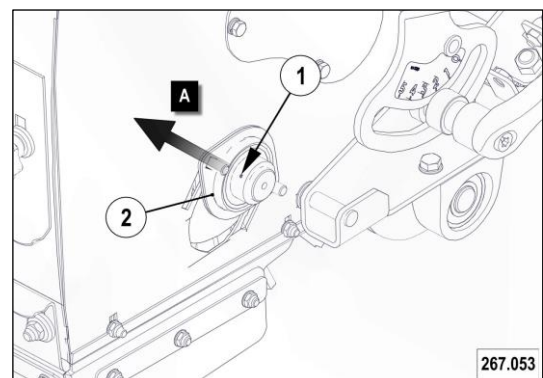
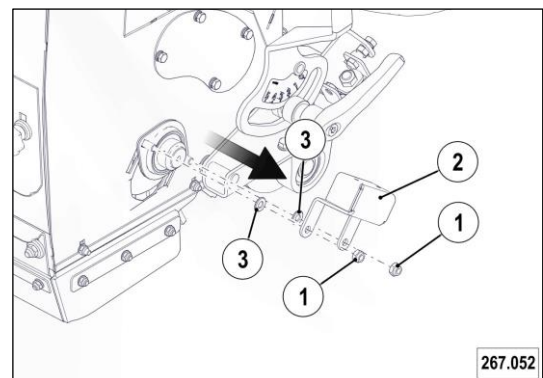


### 11.5. Cylinder broom

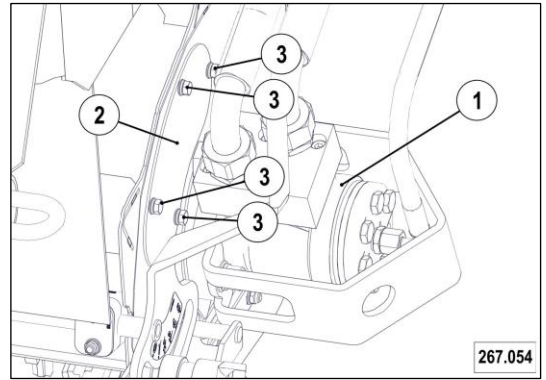
#### 11.5.1. Removing and fitting the cylinder broom

##### Removing the cylinder broom

- Undo the hexagon nuts (1).
  - Remove brackets (2) and washers (3).
- 
- Unscrew the setscrew (1) on the left bearing (2) of the cylinder broom.

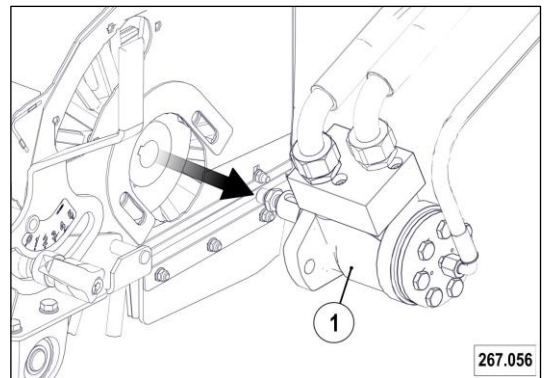
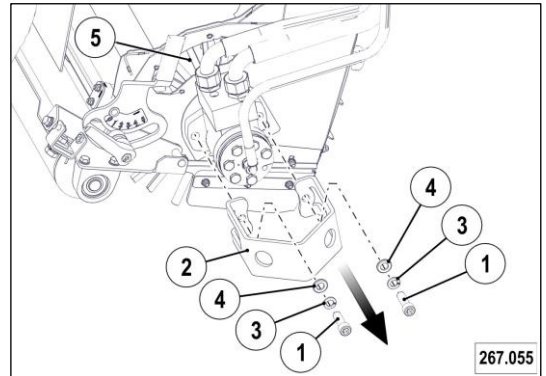


- Remove the cover (2) on the right side above the hydraulic motor (1). To do so:
- Unscrew hexagon screws (3) and remove with lock washers and washers.
- Remove the cover (2).

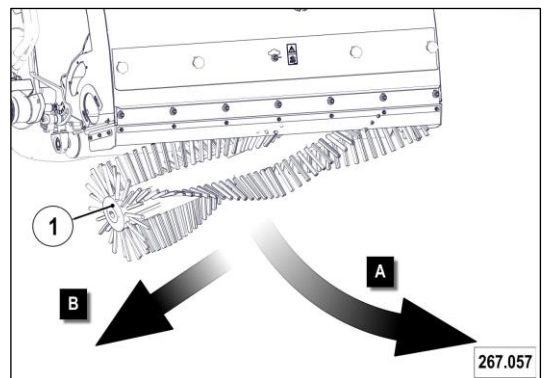


<b>i</b>	<b>INFO!</b>
	➤ When disassembling the hydraulic motor, hold the counterplate firmly over the opening (5).

- Unscrew the cylinder screws (1) of the hydraulic motor safety bar (2) on the right.
- Remove cylinder screws (1), lock washers (3) and washers (4).
- Remove the safety bars (2).
- Pull out the hydraulic motor (1).

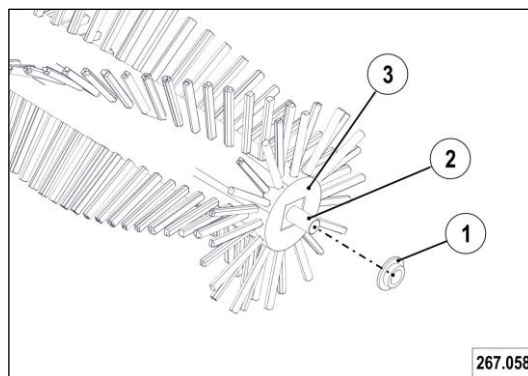


- Pull off the cylinder broom (1) downwards at an angle.



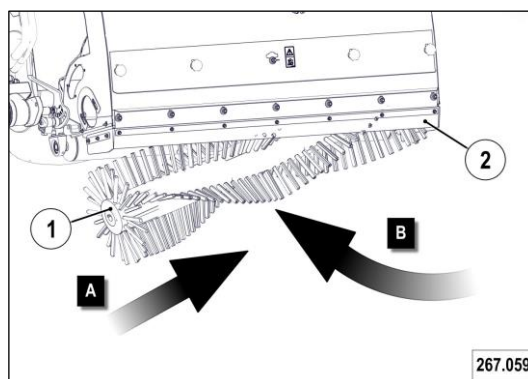
### Replacing the cylinder broom

- Pull down the spacer disc (1) off the drive shaft (2).
- Pull down the cylinder broom (3) off the drive shaft (2).
- Slide the new cylinder broom (3) onto the drive shaft (2).
- Slide the spacer disc (1) with a large diameter onto the drive shaft (2).

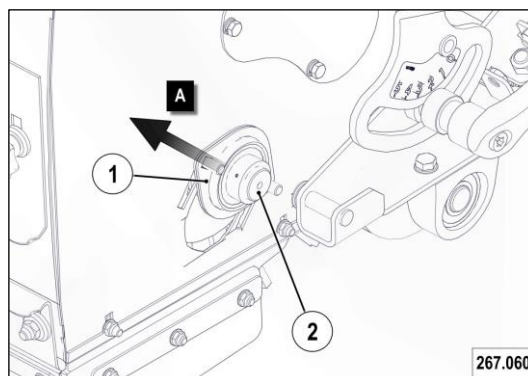


### Installing the cylinder broom

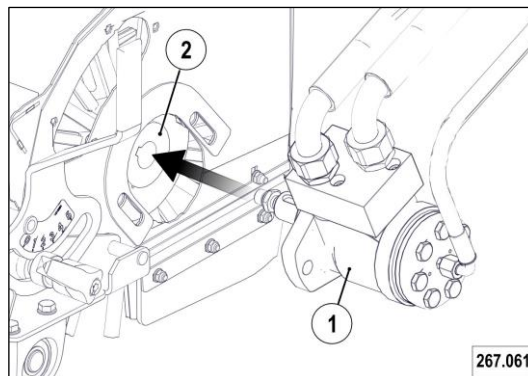
- Insert the cylinder broom (1) from below into the left side of the sweeping head (2).



- Slide the flange bearing (1) onto the shaft (2) of the cylinder broom.

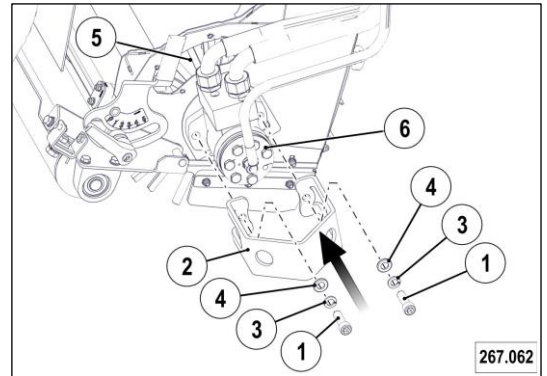


- Push the hydraulic motor (1) into the right profile of the shaft (2) with the key.

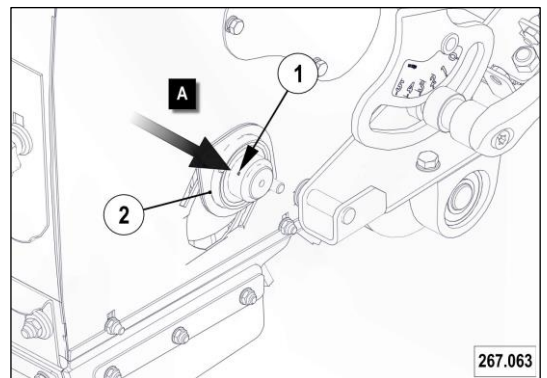


<b>i</b>	<p><b>INFO!</b></p> <ul style="list-style-type: none"> <li>➤ When installing the hydraulic motor (6), hold the counterplate over the opening (5).</li> <li>➤ Always fit new cylinder brooms in the uppermost position.</li> </ul>
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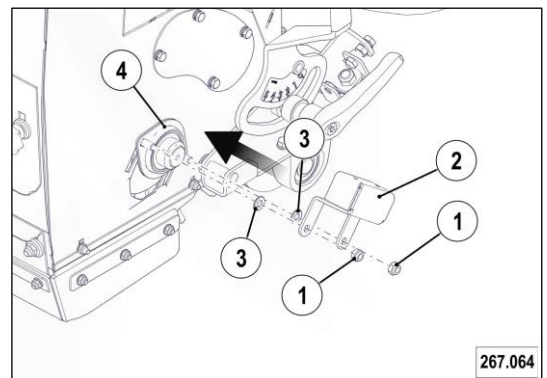
- Screw the hydraulic motor (6) and safety bar (2) tightly with the cylinder screws (1), the lock washers (3) and washers (4)



- Fasten the setscrew (1) into the flange bearing (2) on the right-hand side.





- Screw the flange bearing (4) and bracket (2) tightly in the uppermost position with hexagon nuts (1) and washers (3)



## 11.6. Electrical system

### 11.6.1. Checking and charging the battery (Combustion engine)

	<b>⚠ WARNING!</b>
	<p><b>Risk of injury due to battery explosion</b></p> <ul style="list-style-type: none"> <li>➤ Avoid short-circuits between the battery terminals caused by metal objects.</li> <li>➤ Do not charge the battery for too long.</li> <li>➤ Avoid sparking while charging the battery.</li> </ul>

	<b>⚠ CAUTION!</b>
	<p><b>Risk of fire</b></p> <ul style="list-style-type: none"> <li>➤ Remove dust, grass and leaves from the battery, wiring, exhaust pipe and engine.</li> <li>➤ Disconnect the battery in the event of extended decommissioning.</li> </ul>


- Use a suitable voltmeter to check the battery condition.
- Remove the battery for charging. See section 11.6.2 „Removing and installing the battery (combustion engine)“.
- Use a suitable battery charger to charge the battery. Pay attention to the charging voltage.

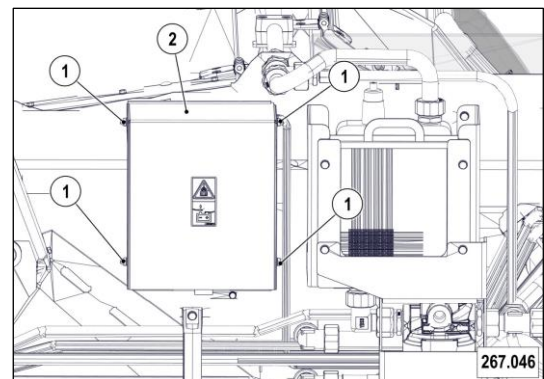
### 11.6.2. Removing and fitting the battery (Combustion engine)

The battery box is located on the right-hand side of the machine for the version with a combustion engine.

#### Removing the battery

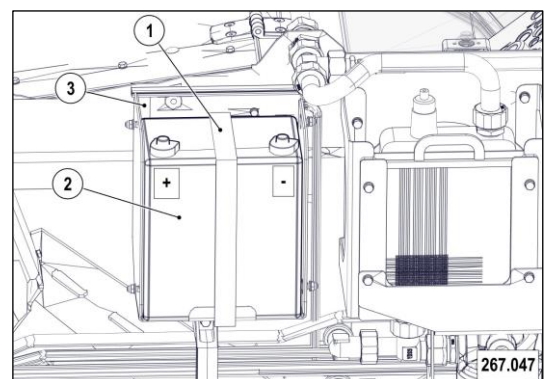
- Undo the hexagon nuts (1).
- Remove the battery cover (2).

	<b>⚠ CAUTION!</b>
	<p><b>Risk of short-circuiting</b></p> <ul style="list-style-type: none"> <li>➤ To disconnect the battery, always disconnect the earth cable (-) first.</li> </ul>





- Disconnect the earth cable (-).
- Disconnect the positive cable from the (+) terminal.
- Release the tensioning strap (1).

Now the battery (2) can be removed from the battery box (3).

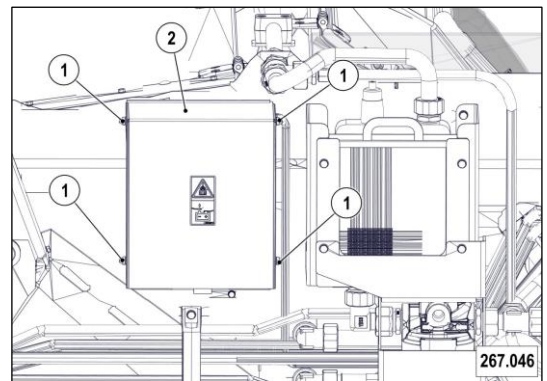
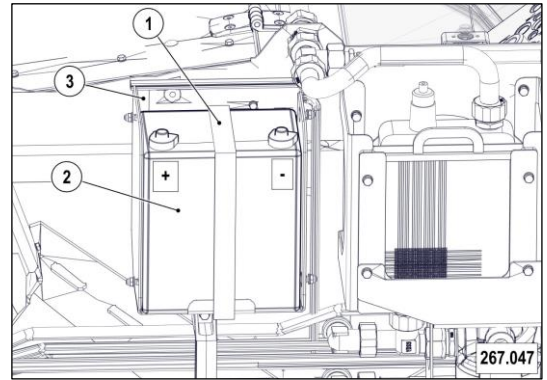




Fitting the battery



	 <b>CAUTION!</b>
	<p><b>Risk of short-circuiting</b></p> <ul style="list-style-type: none"> <li>➤ To connect the battery, always connect the positive cable (+) first.</li> </ul>

- Put the battery (2) in the battery box (3).
- Secure the battery (2) with the tensioning strap (1).
- Connect the positive cable to the (+) terminal.
- Disconnect the earth cable (-).
- Put a battery cover (2) on the battery box and screw tightly with hexagon nuts (1).



11.7. Wheels and Tyres

- Regularly check the air pressure: 0.8 bar (12 psi)

	 <b>DANGER!</b>
	<p><b>Risk of accident through explosive bursting of the tyres</b></p> <ul style="list-style-type: none"> <li>➤ Always ensure the correct tyre pressure and do not exceed the prescribed maximum pressure.</li> <li>➤ Check the wheels and tyres daily for under-inflation, cuts, protrusions or defective rims.</li> <li>➤ Fit tyres only with the relevant experience and equipment.</li> </ul>

## 11.8. Hydraulic system



Suitable for hydraulic fluids based on mineral, glycol and synthetic oils.

Examine hydraulic hose lines regularly for damage and ageing and replace if necessary.

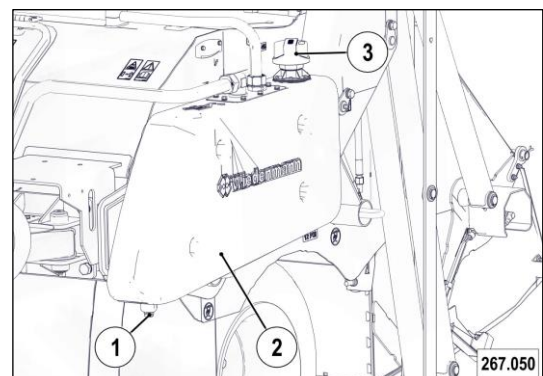
### 11.8.1. General safety information for the hydraulic system

- The hydraulic system is not approved for the use of BIO oils.
- Only trained personnel are permitted to work on the hydraulic system!
- High-pressure fluids which leak under pressure can penetrate the skin causing serious injury.
- If you suspect that a pressure system may be damaged, shut down and secure the machine immediately and then contact a qualified specialist workshop.
- Never attempt to trace the source of leaks with your bare hands. Even just a pin hole can cause serious personal injuries.
- Use suitable materials when searching for leaks. (for example, a piece of cardboard)
- Keep your body and face well away from leaks.
- If a fluid penetrates the skin, it must be removed immediately by a doctor who is familiar with such injuries. Otherwise serious infections may result.
- Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.
- Prior to recommissioning, check the leak-tightness of the hydraulic system!
- According to the manufacturer's specifications, the replacement period for hydraulic lines is 6 years.

### 11.8.2. Replacing the hydraulic oil



 	<b>⚠ ATTENTION!</b>
	<b>Incorrect disposal of environmentally hazardous substances</b> <ul style="list-style-type: none"><li>➤ Observe the rules and regulations for disposing of environmentally hazardous substances.</li><li>➤ Find out in detail about their disposal.</li></ul>

- Place a suitable collecting tray under the oil drain plug (1) of the oil tank (2).
- Before filling, screw in the oil drain plug (1) again.
- Remove the fastener (3) on the oil filler neck.
- Pour in approx. 25 litres of hydraulic oil, until the oil level can be seen in the filling screen.

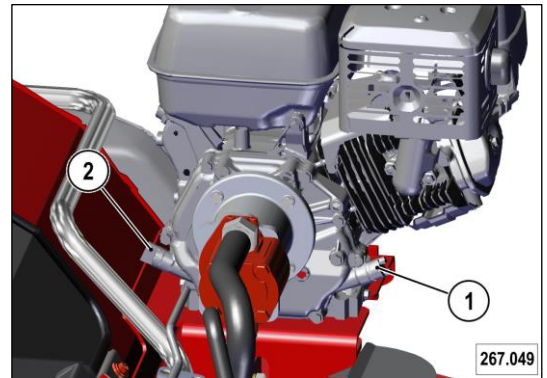





### 11.9. Changing the oil in a combustion engine

 	<b>⚠ ATTENTION!</b>
	<p><b>Incorrect disposal of environmentally hazardous substances</b></p> <ul style="list-style-type: none"> <li>➤ Observe the rules and regulations for disposing of environmentally hazardous substances.</li> <li>➤ Find out in detail about their disposal.</li> </ul>

- Switch off the machine's combustion engine.  
Engine manufacturer operating instructions.
- Put an adequate container under the oil drain plug (1).
- Remove the oil drain plug (1).
- Remove the fastener (2) on the oil filler neck.
  
- Before filling, screw in the oil drain plug (2).



	<b>INFO!</b>
	<ul style="list-style-type: none"> <li>➤ Find the required oil grade and oil quantity in the supplied operating instructions of the engine manufacturer.</li> </ul>

### 11.10. Unauthorized conversion and spare part manufacture

- Only convert or change the machine with the express permission of the manufacturer!
- The use of original parts and accessories authorized by the manufacturer is in the interest of your safety. Using parts not released by the manufacturer can have a negative impact on the properties of the machine. In this case, the manufacturer will assume no responsibility for the resulting consequences.

## 12. Troubleshooting




Description	Cause	Remedy
During separation of the material, cores are only collected by the cylinder broom to a limited extent.	<ul style="list-style-type: none"> <li>The hydraulic oil is not at operating temperature and so the speed of the cylinder broom is too slow.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Raise the hydraulic oil to operating temperature by idling.</li> </ul>
	<ul style="list-style-type: none"> <li>The speed of the cylinder broom is too slow.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check the nominal speed of the engine; if necessary, set to max. 3300 rpm. See engine manufacturer operating instructions.</li> </ul>
		<ul style="list-style-type: none"> <li>➤ Due to heavy contamination, clean the rear wall of the sweeping head in the area of the brush holder. See section 11.4</li> </ul>
	<ul style="list-style-type: none"> <li>The cylinder broom is set too deep</li> </ul>	<ul style="list-style-type: none"> <li>➤ Adjust the cylinder broom using the feeler roller. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
	<ul style="list-style-type: none"> <li>The cylinder broom is positioned too high up. The cores are not gathered from the brush.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Adjust the cylinder broom using the feeler roller. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
	<ul style="list-style-type: none"> <li>Grass too high.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Observe Section 3.3 "Intended Use".</li> </ul>
	<ul style="list-style-type: none"> <li>Too large a distance between the cylinder broom and the front wall due to worn brushes. (&gt; 10 mm)</li> </ul>	<ul style="list-style-type: none"> <li>➤ Adjust the distance from the cylinder broom to the front wall to 3–4 mm.</li> <li>➤ If necessary, replace the cylinder broom. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
	<ul style="list-style-type: none"> <li>The intake material and cores are still too damp.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Leave the intake material to dry more.</li> <li>➤ Convert the machine to material separation; if necessary, increase the tilt angle of the screens. This results in lower screening. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
During complete material collection, the intake material is only collected by the cylinder broom to a limited extent.	<ul style="list-style-type: none"> <li>The intake material and cores are still too damp.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Leave the intake material to dry more.</li> </ul>
		<ul style="list-style-type: none"> <li>➤ Convert the machine to material separation; if necessary, increase the</li> </ul>

Description	Cause	Remedy
		tilt angle of the screens. This results in lower screening. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b>
	<ul style="list-style-type: none"> <li>The hydraulic oil is not at operating temperature and so the speed of the cylinder broom is too slow.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Raise the hydraulic oil to operating temperature by idling.</li> </ul>
	<ul style="list-style-type: none"> <li>The speed of the cylinder broom is too slow.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check the nominal speed of the engine; if necessary, set to max. 3300 rpm. See engine manufacturer operating instructions.</li> </ul>
		<ul style="list-style-type: none"> <li>➤ Due to heavy contamination, clean the rear wall of the sweeping head in the area of the brush holder. See section 11.4</li> </ul>
	<ul style="list-style-type: none"> <li>The cylinder broom is set too deep</li> </ul>	<ul style="list-style-type: none"> <li>➤ Adjust the cylinder broom using the feeler roller. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
	<ul style="list-style-type: none"> <li>The cylinder broom is positioned too high up. The cores are not gathered from the brush.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Adjust the cylinder broom using the feeler roller. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
	<ul style="list-style-type: none"> <li>Grass too high.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Observe Section 3.3 "Intended use".</li> </ul>
	<ul style="list-style-type: none"> <li>Too large a distance between the cylinder broom and the front wall due to worn brushes. (&gt; 10 mm)</li> </ul>	<ul style="list-style-type: none"> <li>➤ Adjust the distance from the cylinder broom to the front wall to 3–4 mm.</li> <li>➤ If necessary, replace the cylinder broom. See section <b>Fehler! Verweisquelle konnte nicht gefunden werden.</b></li> </ul>
During separation of the material, screening gives an uneven sand deposit.	<ul style="list-style-type: none"> <li>The intake material and cores are still too damp.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Leave the intake material to dry more.</li> </ul>
	<ul style="list-style-type: none"> <li>Speed is too high</li> </ul>	<ul style="list-style-type: none"> <li>➤ Reduce the speed.</li> </ul>
During separation of the material, the proportion of sand in the container is too high	<ul style="list-style-type: none"> <li>The speed is too high for damp intake material and cores.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Reduce the speeds in damp conditions, in order to increase the pourability of the separating material.</li> </ul>
	<ul style="list-style-type: none"> <li>The openings of the drum screens are partially blocked.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Clean and adjust cleaning brushes and scrapers. See section 11.4.3</li> </ul>




Description	Cause	Remedy
The drum screen cleaning brushes are clogged	<ul style="list-style-type: none"> <li>The scraper for the brushes is not set correctly.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Clean and adjust cleaning brushes and scrapers. See section 11.4.3</li> </ul>
Increased wear of the cylinder broom	<ul style="list-style-type: none"> <li>The cylinder broom is severely clogged.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Clean the cylinder broom. See section 11.4</li> </ul>
The drum screens do not turn when the drive is switched on	<ul style="list-style-type: none"> <li>The drum screens are not inserted accurately into the guide/carrier.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Raise the container and check that the drum screens are correctly installed. See section 11.4.2</li> </ul>
<b>With combustion engine</b>		
The engine does not start up	<ul style="list-style-type: none"> <li>No fuel (petrol) in the tank.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check and, if necessary, top up the fuel.</li> </ul>
	<ul style="list-style-type: none"> <li>The fuel valve may be closed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check and, if necessary, open the fuel valve.</li> </ul>
	<ul style="list-style-type: none"> <li>Intake air via the air filter too low.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check and, if necessary, replace the air filter. See engine manufacturer operating instructions.</li> </ul>
	<ul style="list-style-type: none"> <li>"Container closed" safety limit switch defective.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check, contact a specialist workshop.</li> </ul>
	<ul style="list-style-type: none"> <li>Cable to "Closed" safety limit switch defective.</li> </ul>	
	<ul style="list-style-type: none"> <li>Too little engine oil in the combustion engine</li> </ul>	<ul style="list-style-type: none"> <li>➤ Check the fill level and, if necessary, top up the engine oil. See engine manufacturer operating instructions.</li> </ul>

## 13. Disposal

### 13.1. Disassembly/disposal

 	 <b>ATTENTION!</b>
	<p><b>Incorrect disassembly of machine parts!</b></p> <ul style="list-style-type: none"> <li>➤ Please refer to the chapter "Safety measures" and local safety regulations!</li> <li>➤ The following hazards are:                     <ul style="list-style-type: none"> <li>• residual pressure in lines and components.</li> <li>• heavy parts that could fall after disassembly</li> <li>• Tensioned springs</li> <li>• sharp edges</li> <li>• crushing if machine topples</li> </ul> </li> </ul>

- Place the machine on firm ground.
- Drain the hydraulic oil and collect it in a suitable vessel.
- Collect the engine oil (for a combustion engine) in an appropriate vessel.
- Collect the tank content (for a combustion engine) in an appropriate vessel
- Disassemble the machine from top to bottom.

 	 <b>ATTENTION!</b>
	<p><b>Incorrect disposal of environmentally hazardous substances!</b></p> <ul style="list-style-type: none"> <li>➤ Regulations and laws concerning the disposal of hazardous substances and pollutants must be observed in all cases!</li> <li>➤ Familiarize yourself completely with the procedure for disposal!</li> </ul>

## 14. Equipment

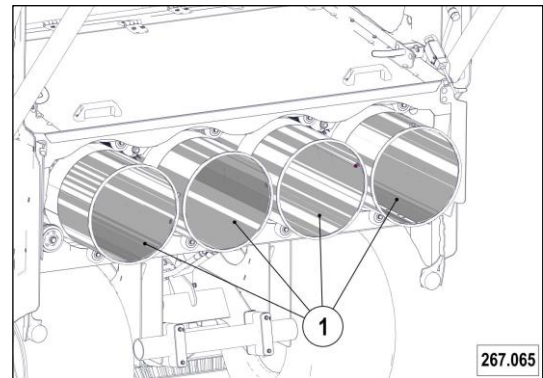
### 14.1. Scope of delivery

Core Recycler	Hydraulic pump	Combustion engine (optional)
Drawbar		
Support wheel (stored on the basic machine)		
Trailer coupling with mounting bracket		
Remote control		
Operating instructions, transfer declaration with guarantee card		

## 15. Accessories

### 15.1. Insert

The inserts (1) are inserted into the drum screens upon delivery.



16. EC Declaration of conformity



**EC DECLARATION OF CONFORMITY**

We

**Wiedenmann GmbH  
Am Bahnhof  
89192 Rammingen**

declare under our sole responsibility that the product

**Core recycling machine  
Core Recycler towed**

to which this declaration refers, corresponds with the relevant basic safety and health requirements of the machinery directive 2006/42/EC.



<b>Rammingen, the 01.03.2021</b>	<b>Horst Wiedenmann</b>
(Place and date of issue)	<b>Managing Partner</b>
	(Name, function and signature of authorized person)



<b>Rammingen, the 01.03.2021</b>	<b>Winfried Eckle</b>
(Place and date of issue)	<b>Technical office manager Authorised representative for tech. documentation</b>
	(Name, function and signature of authorized person)

**NOTE:** The declaration of conformity is no longer valid if changes are made to the machine that have not been agreed with the manufacturer.



## 17. Declaration of conformity



# Declaration of conformity

We

**Wiedemann GmbH  
Am Bahnhof  
89192 Rammingen**

hereby declare that the product

**Core recycling machine  
Core Recycler towed**

referred to by this declaration complies with the requirements of  
Machinery Directive 2006/42/EC.



<b>Rammingen, the 01.03.2021</b>	<b>Oliver Matthes</b>
(Place and date of issue)	<b>Sales Manager</b>
	(Name, function and signature of authorized person)



<b>Rammingen, the 01.03.2021</b>	<b>Markus Remmele</b>
(Place and date of issue)	<b>Operations Manager</b>
	(Name, function and signature of authorized person)