# MULCHING MOWER
# MASTER SERIES
## USER MANUAL

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# EN | ENGLISH

# TRANSLATION OF THE ORIGINAL MANUAL

## CONTENT

# 1. GENERAL INFORMATION

## 1.1 Introduction

MASTER mulchers are primarily designed to mow grass, weeds, and light undergrowth.

The mulchers are only suitable for tractors with a power take-off speed of 540 rpm.

The mulcher is designed for attachment to Category I tractor three-point mounts, but can also be operated on Cat. II by means of adapter sleeves.

## 1.2 Symbols

This brochure contains three graphical safety symbols highlighting the level of danger or important information:

**WARNING**

Draws the attention of the operator to situations where the safety of people may be at risk.

**CAUTION**

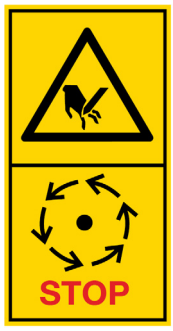
Draws attention to situations where the efficiency of the machine may be compromised but not the safety of people.

**NOTE**

Highlights general information that does not endanger the safety of people or the efficiency of parts of the machine.

# 2. SAFETY LABELS

The safety labels and information on the machine, listed below, must be read and followed. Failure to do so may result in death or serious injury. Make sure that the sticky labels are always present and legible. If this is not the case, contact your dealer to replace the missing or illegible labels immediately.

| | |
|---|---|
|  | **WARNING** Control and servicing may only be carried out after the operating and servicing manual has been carefully read, with the prime mover switched off and the ignition key removed. |
|  | **WARNING - HAZARD** from liquids under pressure. Read the manual before commencing work and contact a doctor if you are injured. |
|  | **WARNING** Make sure that the direction of rotation and the speed (540 RPM) at the tractor's PTO are correct before connecting the universal shaft. |
|  | **WARNING - HAZARD** Make sure that the flail shaft is absolutely still before you approach it. |

| | |
|---|---|
|  | **WARNING - HAZARD** Hands and feet can be seriously injured. Keep your distance. |
|  | **WARNING** Machine can throw off metal parts or other objects. Do not stand next to the machine, do not climb over or approach the machine. |
|  | Keep a safety distance of at least 70 m to the machine. |
|  | **WARNING** Do not approach the machine under any circumstances when it is operating.<br>**WARNING** Do not stand between the tractor and the machine. |
|  | **WARNING** The machine can pull you in and drag you along. Keep your hands away from the drive shaft while it is moving. |

| | |
|---|---|
|  | **HAZARD** Crushing/Cutting. |
|  | **WARNING** Hot surface. Keep an appropriate distance. |
|  | **WARNING** Only remove or open protection devices once the belts no longer move. |
|  | **WARNING - HAZARD** to the upper and lower extremities. Keep an appropriate distance. |
|  | **WARNING** Only hook to the displayed load points to lift the machine. |

| | |
|---|---|
|  | Wear protective clothing. |
|  | Grease nipple. |

# 3. SAFETY

## 3.1 Intended use

MASTER mulching mowers were specially designed, as described in these operating instructions, to mow grass, weeds, and light undergrowth. Any other use can threaten the safety of the operator and the machine as a whole.

## 3.2 Improper use

The mulching mower was developed for mowing grass, weeds, and light undergrowth only. Use this mulching mower only on a properly equipped tractor of the size recommended by the manufacturer for this equipment. When using MASTER mulching mowers the following, in particular, is **PROHIBITED**:

- to connect the machine to tractors with unsuitable capacity or weight
- to use a different speed than 540 RPM for the PTO
- to use the machine on very stony soil
- to use the machine on a very steep slope
- to approach the machine wearing unsuitable working clothes
- to climb on the machine while it is in use or being transported

**WARNING**

Using this mulching mower for any application other than it is intended for, or using it with a tractor of unsuitable size may result in damage to the machine and equipment, as well as in serious injury or even death.

## 3.3 Safety at the workplace

Many accidents that occur during operation of the machine or equipment or during servicing and repair work are caused by failure to adhere to basic safety precautions. Accordingly, it is important to be aware of the potential risks of an activity and to always be aware of the effects.

If potentially hazardous situations are known, accidents can be prevented!

## 3.4 Demands on the operator

- **Physical**: good eyesight, coordination and the ability to execute all functions necessary to operate the machine.
- **Mental**: The ability to understand and apply the applicable rules and safety regulations. Users must exercise care, for their own safety and that of other people.
- **Familiarization**: Users must have read and studied these operating instructions, any accompanying graphics and schematics and their identification, and danger signs. Users must be briefed and trained in use or servicing.

## 3.5 Work clothes

The following items of clothing and safety accessories must be worn at work, and especially during repair and servicing work:

- One-piece or other comfortable clothing that is not too loose, so that no parts of it can get caught in the machine.
- Protective gloves.
- Safety goggles or mask to protect eyes and face.
- Safety helmet.
- Safety shoes.

Only wear personal safety equipment in a good condition, complying with the respective legal regulations.

## 3.6 General safety instructions

**ALWAYS PAY ATTENTION TO THE PROPERTIES OF THE AREA YOU ARE WORKING ON**
When the machine is running, it is not permitted to remain in the radius of action of the machine or other accessories.

## 3.7 Preparation

- Do not drink alcohol or take any drugs or other substances that may impair your ability to work with machines before and during work.
- Make absolutely sure you have enough fuel to prevent the machine stopping abruptly, possibly during a critical process.
- Only use the equipment in safe conditions. For example, it is prohibited to use makeshift solutions to start the machine. Similarly, it is prohibited to work at night in an insufficiently illuminated area.
- NEVER work if not all protective shields are correctly installed or in perfect condition. The operator must be familiar with the mower unit, tractor, and any associated safety applications before using the mower unit or tractor.

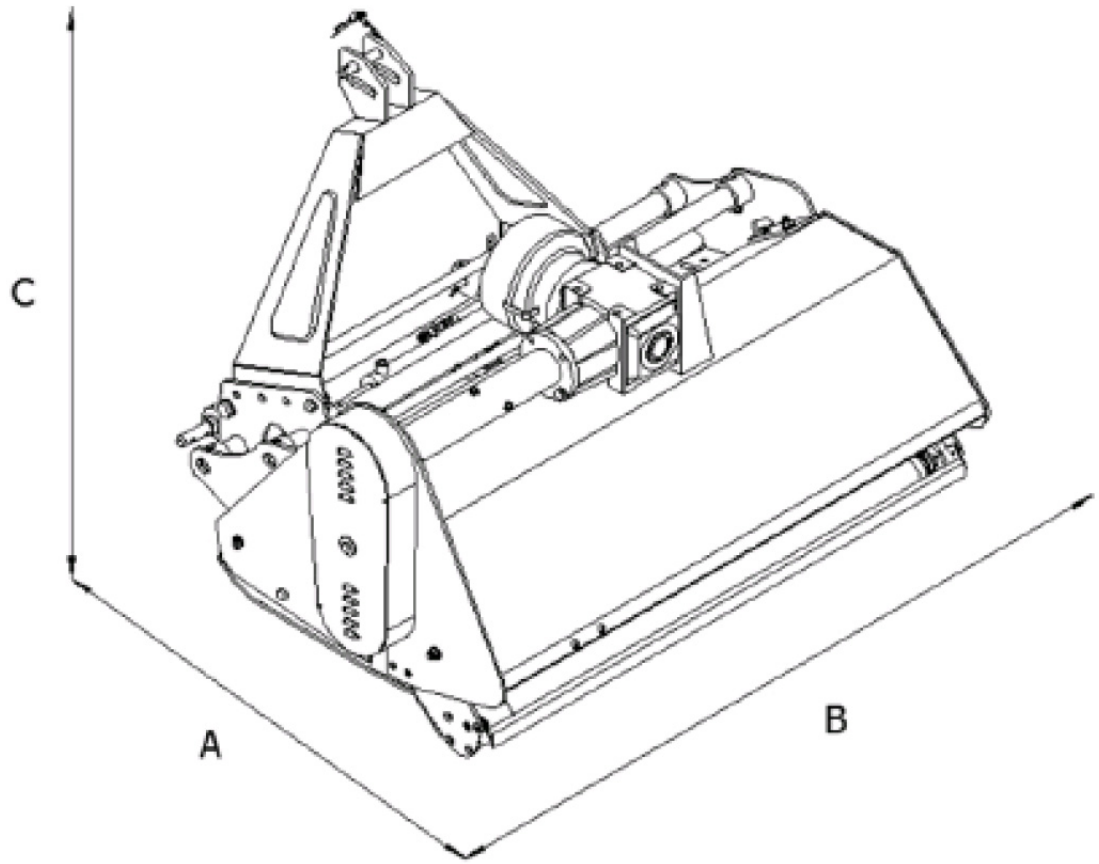
**IT IS IMPORTANT TO REMEMBER THE FOLLOWING POINTS AT WORK OR DURING SERVICING**

- The instruction and hazard labels may not be removed, hidden or illegible.
- Do not remove safety signs, protective covers or deflectors on the machine unless you do so during servicing. If you do remove them, turn off the engine. Be careful and refit them correctly before restarting the engine and before using the unit. The mower unit is equipped with protective deflectors to prevent objects being thrown out by the blades. Be aware that this shielding cannot be 100% effective. All safety signs, protective covers and deflectors must be kept in good condition.
- Greasing, cleaning or adjusting moving parts during operation is prohibited.
- It is prohibited to use your hands for activities for which specific equipment is available when servicing or adjusting the machine.
- Do not use equipment inappropriately or if they are in poor condition. For example, do not use pipe wrenches instead of wrenches.
- Once you have completed any servicing or repair work, ensure that no equipment, wipes, or other material is left in voids or guides with moving parts.
- When using the machine, never give more than one person instructions and signals. Instructions and signals relating to lifting loads may only be given by one person.
- Do not call the operator unnecessarily while he or she is working with the machine. It is also prohibited to frighten the operator or throw objects at him or her, not even in fun.
- Pay attention to people present, in particular children! Do not allow people to climb on the machine.
- When the machine is no longer needed, stop the engine and park on a flat surface. Then pull the handbrake and switch off the PTO shaft.
- When the engine is running and the machine is lifted, it may not be cleaned, greased, repaired or adjusted.
- Never use the machine on steep slopes. This could endanger the stability of the device.

**The manufacturer accepts no responsibility if these instructions are not adhered to.**

# 4. SPECIFICATIONS

| Model | Operating width | PTO speed (rpm) | Recommended power (HP) | Category | Weight (kg) | Blades |
|---|---|---|---|---|---|---|
| MASTER 155 | 155 | 540 | 30–65 | CAT. I | 367 | 24 |
| MASTER 175 | 175 | 540 | 35–65 | CAT. I | 412 | 28 |
| MASTER 200 | 200 | 540 | 55–70 | CAT. I/II | 460 | 32 |
| MASTER 220 | 220 | 540 | 75–90 | CAT. I/II | 500 | 36 |




| Model | A | B | C |
|---|---|---|---|
| MASTER 155 | 950 | 1670 | 950 |
| MASTER 175 | | 1870 | |
| MASTER 200 | | 2120 | |
| MASTER 220 | | 2320 | |

# 5. INSTALLATION INSTRUCTIONS

The machine is delivered ex works in its transportation configuration. Always use tools, equipment and lifting equipment of appropriate size and capacity for installation. Always lift, move and install the equipment with 2 persons. Wear suitable protective clothing such as safety shoes and protective gloves. Observe the safety measures as described in the "Safety" section of these operating instructions. Inspect all screws and nuts for correct seating during assembly. When opening the wooden crate, pay attention to the sharp edges on the closing mechanisms.

When you start assembling the machine, please pay attention to the following:
Clear the area of people, in particular children.
Use a forklift or similar device to move or lift the pallet/machine.
Carry the load close to the ground. Move the machine to the installation area.
Ensure there is sufficient clearance to safely assemble the machine and to access it from all sides.

1. Remove the transportation packaging as shown in figures 1 to 4.

Fig. 1 Mulcher in transportation packaging

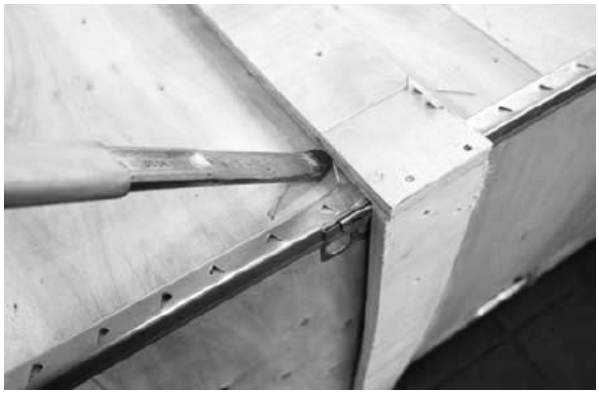


Fig. 2 Using the lever

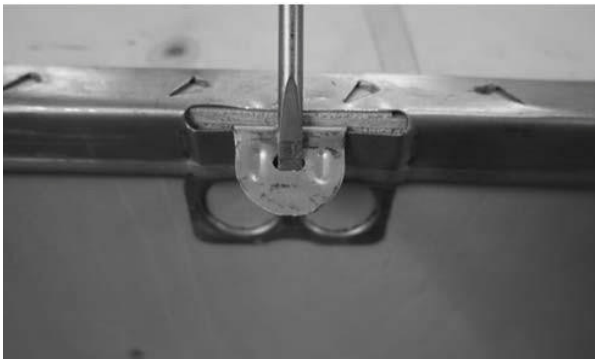


Fig. 3 Opening the fasteners

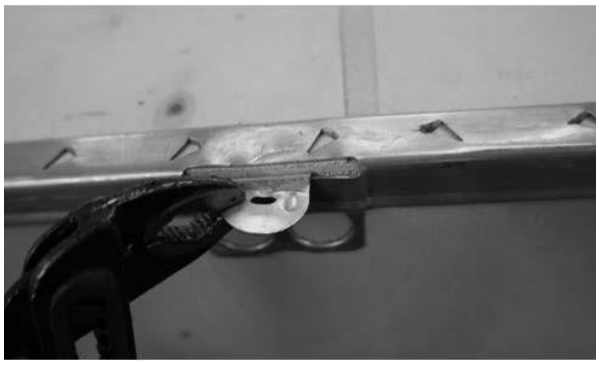


Fig. 4 Opening the fasteners

2. Remove the complete wooden packaging and protective sheeting. Remove any loose parts and set to one side for later use. Check the delivery for completeness, see figures 5 to 8.

**Note: There may be more screws, nuts, washers, etc., in the transportation crate than are needed for initial installation. This is intended and is not a quality flaw.**

Fig. 5 Scope of delivery


Fig. 6 Scope of delivery

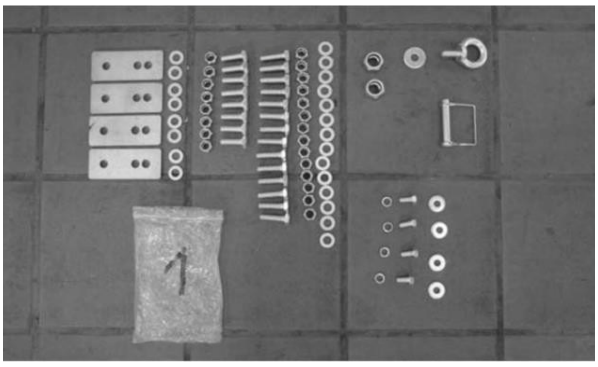


Fig. 7 Scope of delivery

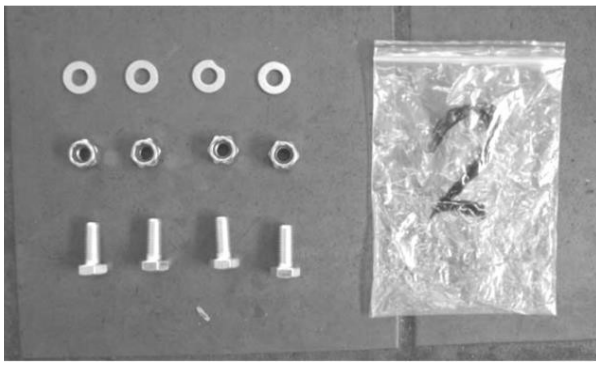


Fig. 8 Scope of delivery

3. Attach mounting bracket for 3-point mounting to hydraulic lateral shifter:

- Due to the size and weight, please only attach the bracket with 2 persons!
- The flail mulcher must stand on an absolutely solid ground (concrete, asphalt, tiles), in particular if you intend to jack up the machine on square timbers.
- The bracket is attached to the hydraulic lateral shifter using 8 screws, 8 nuts and 8 washers (Figure 9).
- Be careful not to crush or damage the hydraulic lines.
- Before attaching the 3-point bracket, check the position of the 4 grease nipples on the underside of the hydraulic lateral shifter.
- The grease nipples must point to the outside, because otherwise the grease gun cannot be used later.
- The arrows in Figure 11 show the correct alignment of the grease nipples. If a grease nipple is not aligned correctly, this can be corrected using a small washer (not included in scope of delivery).

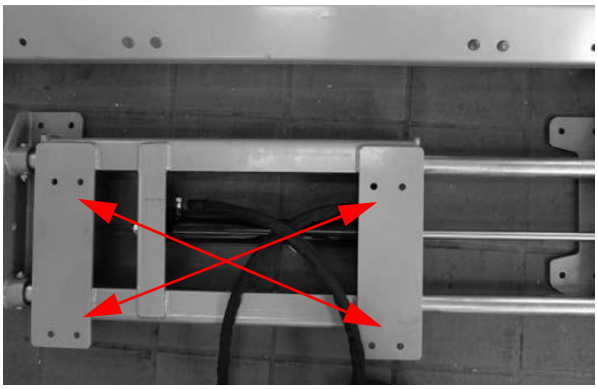


Fig. 9 Bore for 3-point bracket (4 x 2)

Fig. 10 Jacking up the mulcher

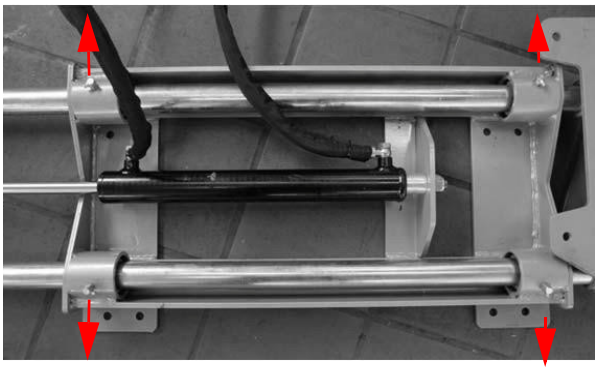


Fig. 11 Underside with correct grease nipple alignment

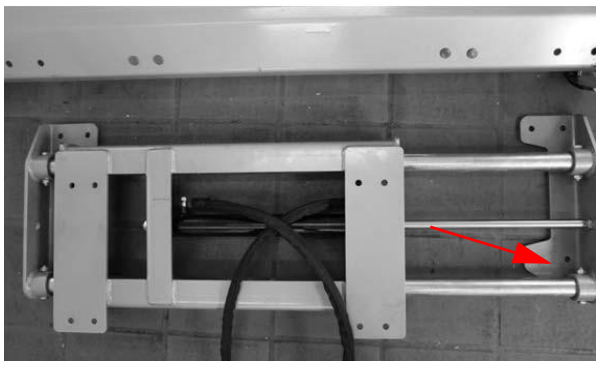


Fig. 12 Alignment of lateral shifter

- Align the mulcher with the hydraulic lateral shifter as shown in Figure 12. Ensure that the beveled side is at the bottom right (see red arrow in Figure 12).

- Attach the 3-point mounting bracket as shown in Figure 13 using the 8 screws, nuts and washers.

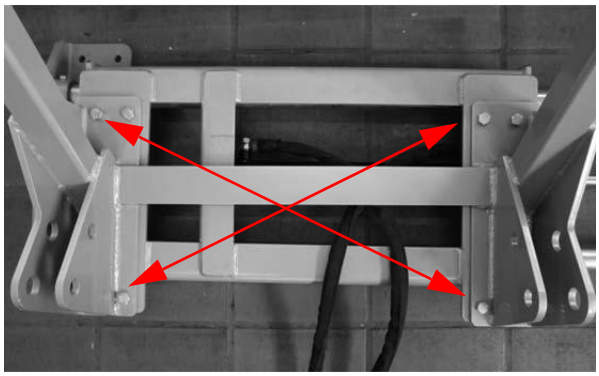


Fig.13 Mounting bracket attached to hydraulic lateral shifter using 8 screws, nuts and washers.

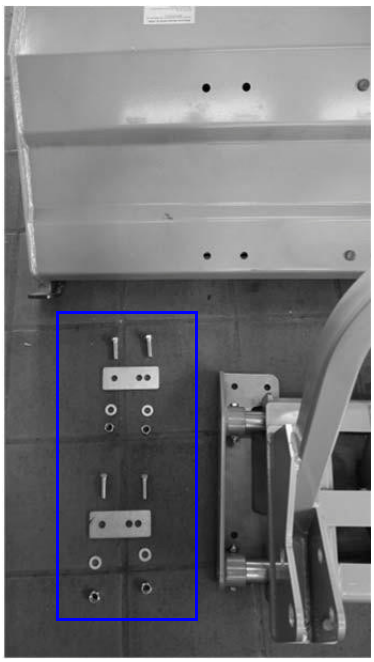


Fig. 14 Mounting material for hydraulic lateral shifter, left side

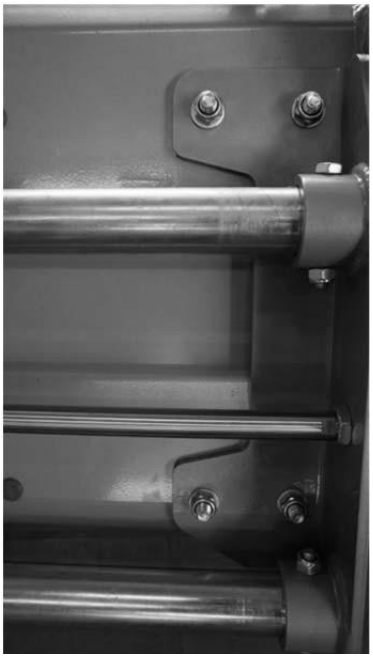


Fig. 15 Mounted hydraulic lateral shifter (right side)

4. Attach the 3-point bracket and the hydraulic lateral shifter to the mulcher housing:

- Figure 14 shows the material for two of four shims that secure the hydraulic lateral shifter to the mulcher housing. The image shows the left side as an example. It is important to mount the reinforcing shims from the inside of the housing. For convenience, the flail mower can be jacked up for easier installation (Figure 10). Here, please also note the safety instructions.
- Tighten the screws and nuts!

5. Attach the hydraulic lines:

- Attach the hydraulic lines as shown in Figure 16 and 17. Align them parallel to the lateral shifter, ensuring the lines cannot be pinched.
- Before attaching the flail mulcher to a tractor, align the hydraulic lines in such a way that they cannot be damaged.
- Check the hydraulic lateral shifter for clearance (no hydraulic lines, etc., in the way) before using the flail mulcher for the first time.
- Remove the protective caps from the hydraulic hoses only when using the machine.

6. Attach hydraulic ram:

- Tighten the nut on the left side (Figure 18).
- Tighten the nut and locknut (Figure 19) on the right side.
- If the hydraulic connections move excessively around the ram axis, readjust the hydraulic ram and re-tighten the ram nuts.

Fig. 16 Hydraulic line left

Fig. 17 Hydraulic line right

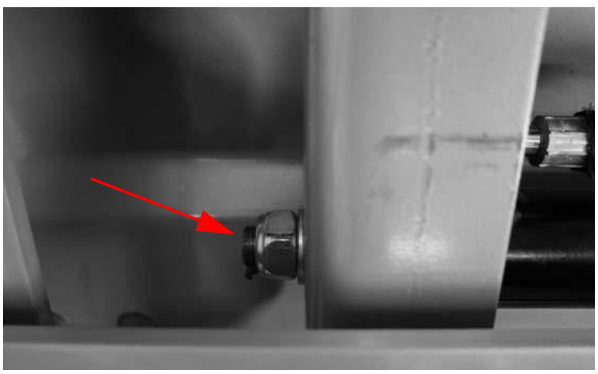


Fig. 18 Nut for hydraulic ram left

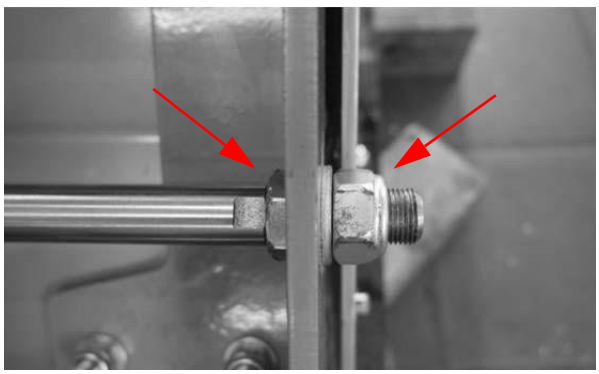


Fig. 19 Mounting for hydraulic ram right

7. Pulleys and drive belts:

- Please check the correct seating of the 3 belts and two pulleys before operating the mulcher and before attaching the pulley guard.
- The alignment of the upper and lower pulley must be absolutely vertical to avoid wear and malfunctioning. Figure 23 below shows the correct pulley alignment. The pulleys must be vertically aligned, i.e. they must be vertically parallel above each other.
- The correct pulley alignment is adjusted via the:
  - Shaft guide (Figure 20)
  - Tensioning device (Figure 21)
  - Transmission mounting (Figure 22)

Fig. 20 Shaft guide

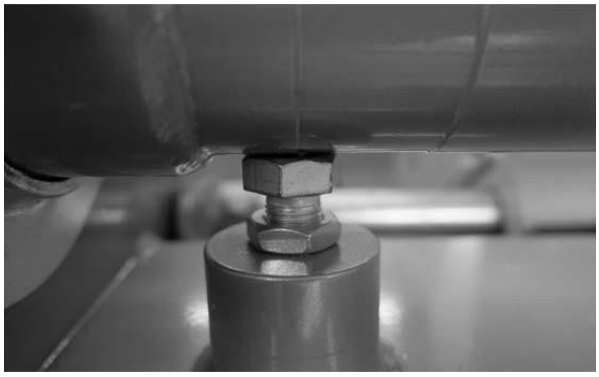


Fig. 21 Belt tensioning device

Fig. 22 Transmission mounting

Fig. 23 Pulley alignment

For details on adjusting the pulley alignment, please refer to the "Commissioning" section of these operating instructions.
The drive belt tension is also adjusted via the shaft guide, tensioning device and transmission mounting.

8. Correctly adjusted drivetrain:

- Figure 24 shows the correct pulley alignment. Vertical and parallel!
- Figure 25 shows the correct drive shaft position. It is important that the shaft has sufficient distance to the housing and does not drag on the housing.
- Figure 26 shows the correct drive belt tension. The deflection depth of the belt may not exceed 10 mm, because otherwise the tension is insufficient and the forces are not transferred correctly. (Adjustment via tensioning device, see Figure 15)

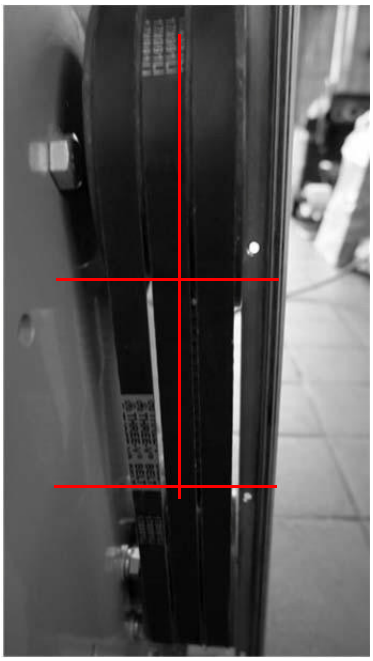


Fig. 24 Correct pulley alignment

Fig. 25 Correct drive shaft distance

Fig. 26 Correct drive belt tension

9. Inspect pulleys for secure seating

Please ensure that the eight Allen screws on the pulleys are tightened and correctly connected to the drive shaft (Figure 27) and the flail shaft (Figure 28).

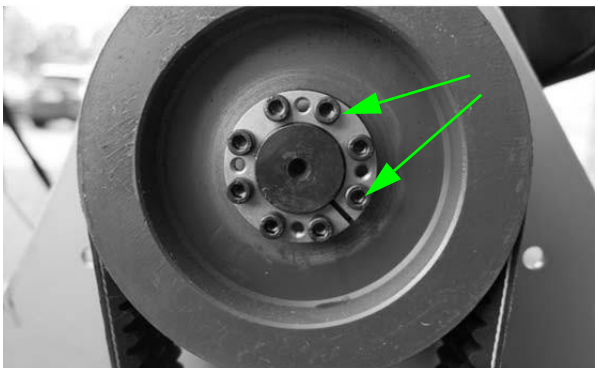


Fig. 27 Upper pulley mounting

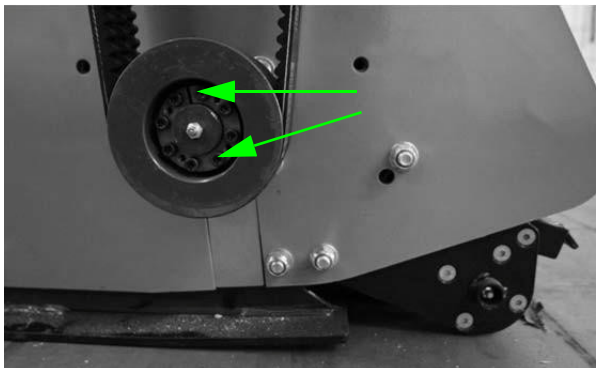


Fig. 28 Lower pulley mounting

10. Fill operating resources:

Fig. 29 Transmission

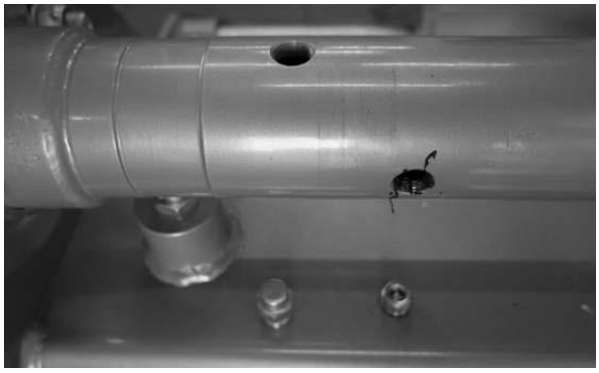


Fig. 30 Drive shaft with inspection port and filling port

The transmission (Fig. 29) and drive shaft (Fig.30) must be supplied with sufficient transmission oil.
Unscrew the filler plug and inspection plug and remove them.
Then fill the transmission and drivetrain with oil until the oil can be seen at the inspection port.

**We recommend SAE 80W90 transmission oil.**

Attention: The mulcher must be horizontal to guarantee optimal filling.

11. Greasing the machine:

To ensure smooth functioning, it is necessary to lubricate the machine with grease. Figures 31 and 32 show the grease nipples where the grease gun must be attached to the machine.

Fig. 31 Grease nipple in travel direction left

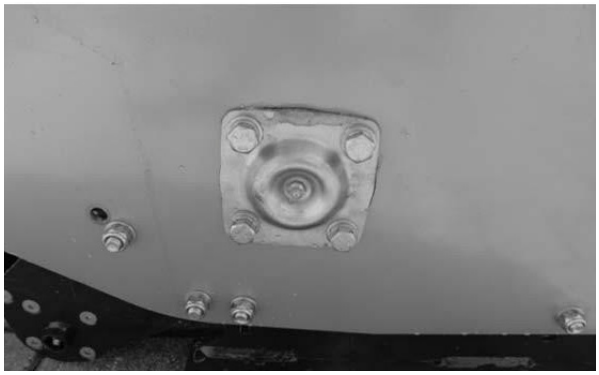


Fig. 32 Grease nipple in travel direction right

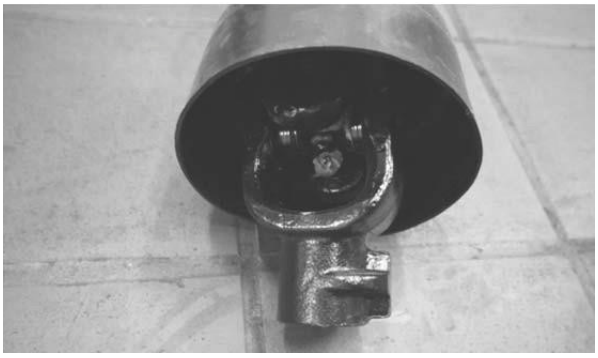


Fig. 33 Grease nipple on the power take-off

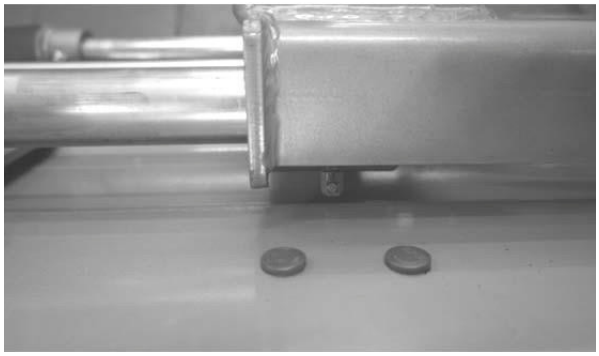


Fig. 34 Grease nipple on the hydraulic lateral shifter (one of four)

Figure 33 shows one side of the power take-off with grease nipple. Please correctly lubricate both sides of the power take-off.

Figure 34 shows one of the four grease nipples on the hydraulic lateral shifter. Here it can be seen why the grease nipples must be aligned correctly (also see Figure 11). Lubricate all 4 grease nipples using the grease gun.

12. Attach the belt cover:

Attach the belt cover as shown in figures 35 to 37. The screws are inserted on the outside and the nuts and washers on the inside. Please note that the nuts do not have to be screwed to the lower flail shaft, because they are generally welded on from the inside. Finally, insert the rubber cap cover for the flail shaft grease nipple into the cover.

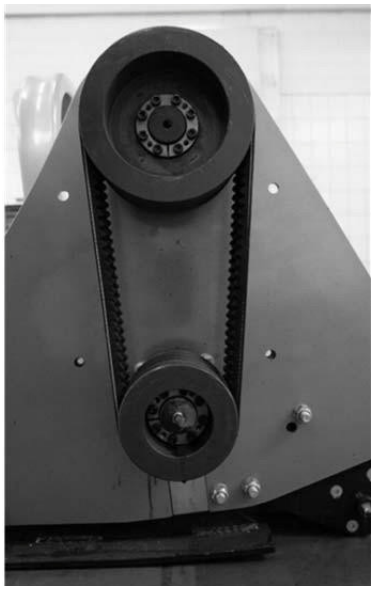


Fig. 35 Bores for the cover

Fig. 36 Cover with mounting material

Fig. 37 Cover screwed in place

13. Fit power take-off guard:
Attach the guard to the transmission as shown in Figure 38 using the 4 screws, 4 spring washers and 4 washers.

Fig. 38 Power take-off guard

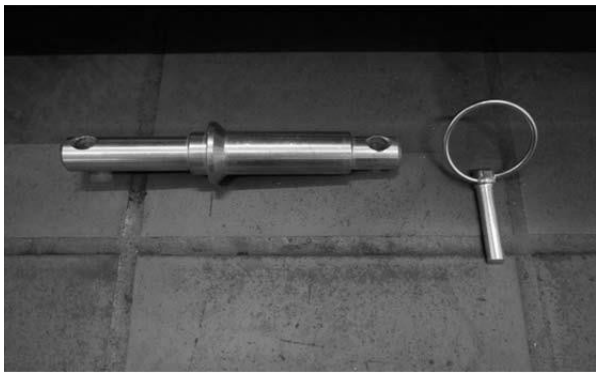


Fig. 39 Reversible bolt with retaining pin

Fig. 40 Fitted reversible bolt with retaining pin

14. Fit reversible bolt:
Depending on requirements, insert the reversible bolts in positions 1 or 2 and secure them using the retaining pin.

15. PTO chains:
When operating the flail mulcher, ensure that the PTO guard is properly connected to the PTO safety chains to prevent the guard from spinning.

Fig.41 Power take-off with guard and chains

Fig. 42 Transmission lifting eye

Fig. 43 Opening flap

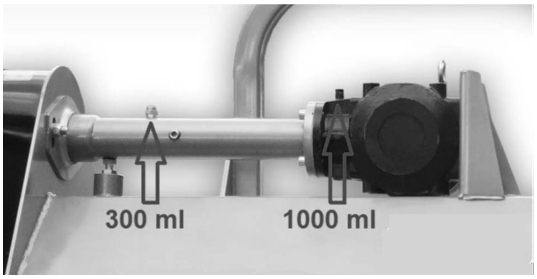
16. Transmission lifting eye:
To lift the transmission, a lifting eye can be screwed to the transmission (Figure 42)
The lifting eye is used exclusively for lifting the transmission. Please ensure you completely disconnect the transmission first.

17. Opening flap:
The mulcher is equipped with an opening flap, which facilitates cleaning and servicing works. For taller grass, we recommend setting the opening flap to the middle position during operation. (Figure 43)

# 6. IMPORTANT NOTES PRIOR TO COMMISSIONING

Fill angular transmission with oil! For reasons of freight forwarding, the transmissions are dry and must be filled with oil prior to operation. Please use a 80W90 transmission oil for filling. Please refer to the figures for where the oil is filled and the fill volume. If necessary, seal the filler plugs/inspection plugs with Teflon sealing tape.

The angular transmission is half filled with oil. The fill volume should be inspected visually or by inserting a dipstick that can be easily made from a piece of wire.
The transmission has a capacity of 1000 ml when empty.



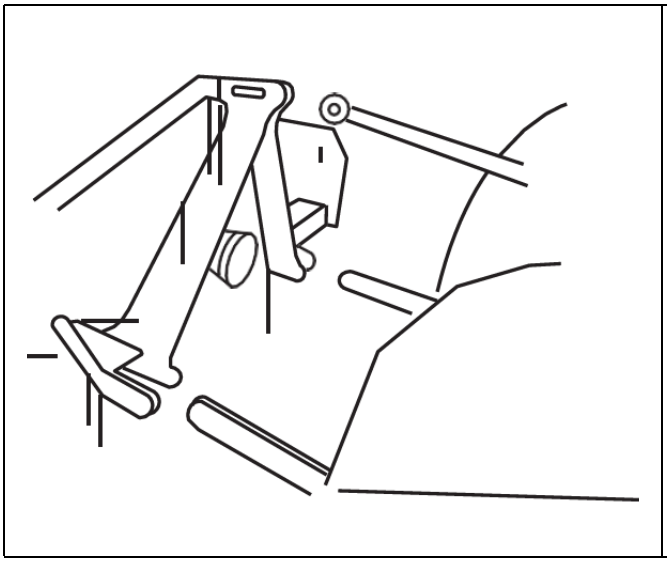

The universal shaft must be filled with 300 ml of oil. If there is no filler plug on the universal shaft, a closed bearing has been installed. In this case, no oil fill is necessary.
Examine all screws for tightness and retighten if necessary.

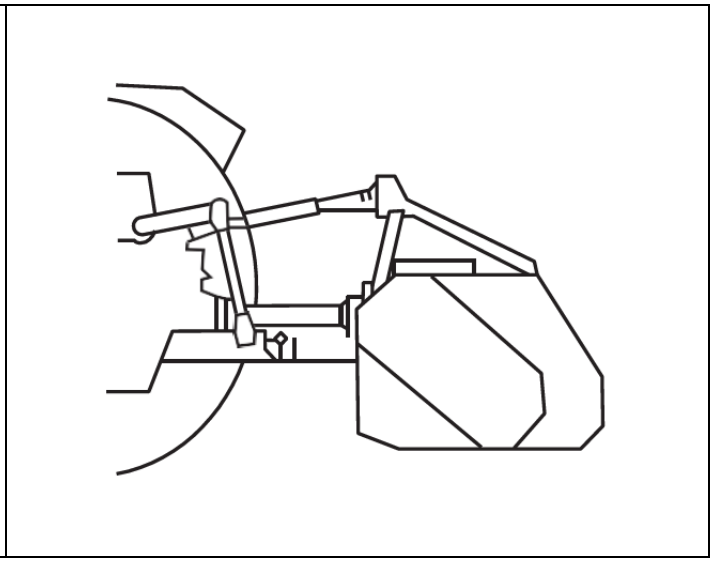
Adjust the black universal shaft guard on the transmission.
The mower units are delivered with sufficiently long universal shafts to allow them to be attached to all tractors. Different PTO shaft lengths may be necessary for different tractor models. If necessary, the PTO shaft must be shortened to the appropriate size. Please proceed as follows: With the mower unit attached, the PTO shaft should still have at least approximately 5 cm movement, i.e. be able to be pushed inwards 5 cm. To shorten it, disconnect the two universal shaft halves by them pulling apart. The PTO shaft can then be shortened to the correct length using an angle grinder or a saw.
Lubricate all lubrication points via the grease nipples.
The universal shaft speed should be set to 540 rpm. Only intended for right-rotating PTOs, i.e. for rear attachment to the tractor.

# 7. COMMISSIONING

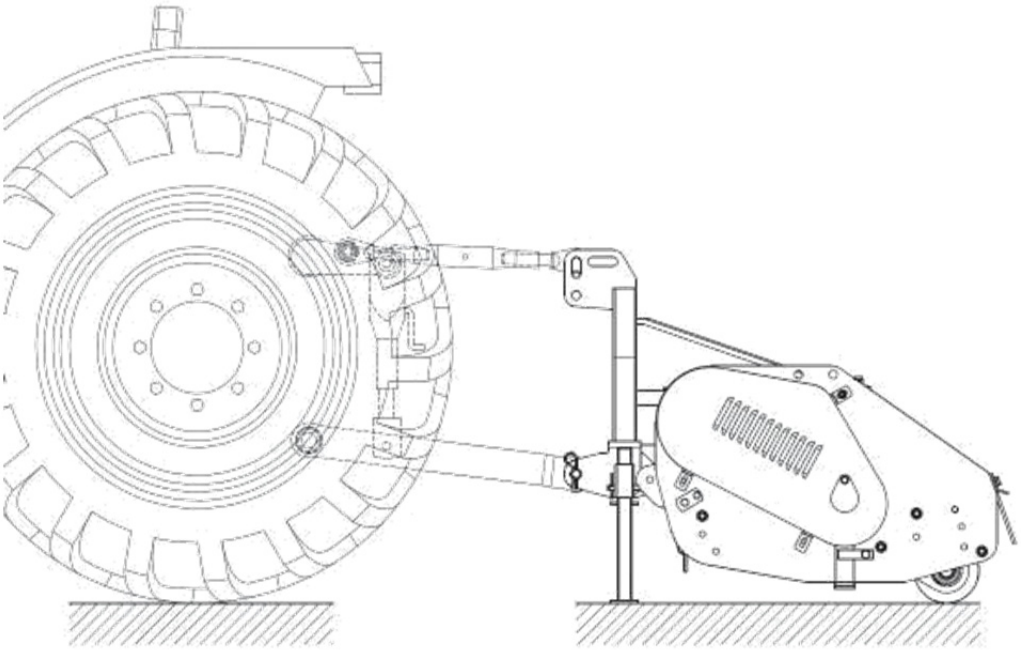
## 7.1 Fitting to the tractor

Read these operating instructions carefully before commissioning the mower unit. Make absolutely sure that you have completely understood the safety instructions. Also ensure you know how the tractor and power take-off stub work by carefully reading the tractor and power take-off stub manufacturer's manuals.
All MASTER mulching mower units are manufactured to be connected to a tractor that has a hydraulic and universal three-point mounting.
The tractor employed for the job must have the power, capacity and equipment required to operate the mower unit safely. Using the mower unit on an improperly equipped tractor or tractor of the wrong size can cause damage to the tractor and/or mower unit, and endanger the operator and bystanders.
Before attaching the machine to the tractor, place both on a flat, soft surface and make absolutely sure that nobody is standing between the two machines.
Slowly move the tractor toward the mower unit by directing the hydraulic lifting arms of the tractor onto the two side mounts of the mower unit mounting. Stop the engine and apply the handbrake.
Connect the lower links on the tractor to the two lower sections of the 3 point attachment of the mower unit. To do this, use the bolts and secure them with the hinged cotter pin. Then connect the top link on the tractor with the upper point of the 3-point mounting, then secure the bolt with a hinged cotter pin.





Adjust the third point so that the upper part of the frame is parallel to the ground. Block all connectors with special link chains or tie rods.



We recommend that you ensure that the middle gear axle is parallel to the ground. This reduces the pressure on the drive and extends the machine life.

**WARNING**

Pay attention to the position of the tractor's front wheels when the unit assembled and raised. If the front wheels do not have sufficient ground contact, add additional counterweights.

**CAUTION**

In accordance with the above, we recommend that you check that all of the mower unit's nuts and bolts are properly tightened (refer to the tightening instructions in this manual).

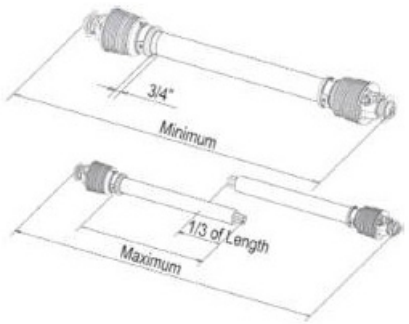
## 7.2 Fitting the drive train

Before installing the universal shaft, check that the direction of rotation and the speed of the universal shaft correspond to those of the tractor. In addition, carefully read the power take-off stub and tractor manufacturers' operating instructions. Before going ahead with commissioning, please make absolutely sure that all safety shields are fitted in the correct location. In particular, check that the safety guard completely covers the PTO stub. When connecting the mower unit's universal shaft to the tractor PTO stub, make sure that the universal shaft locks securely into the groove on the tractor PTO stub shaft. A drive train not properly connected to the tractor's PTO stub could loosen and endanger people, as well as damaging the machine.

**CAUTION**

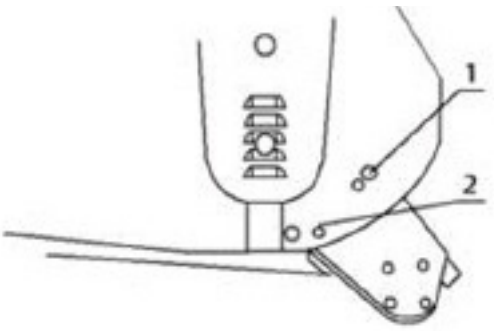
Make absolutely sure that the two parts of the universal shaft cannot separate from each other with the three-point hydraulics in any position. When the universal shaft is fully pushed together, there should be at least 20 mm clearance between each profiled end and the opposing profiled universal joint. For safe operation, both halves of the universal shaft should mesh with each other at least 1/3 of the total length of the universal shaft in every three-point hydraulics position.

In case of problems, contact a qualified workshop or the seller of the drive shaft. Secure the PTO guard after installation on the tractor by hooking the safety chain either to the tractor or to the drive unit.




## 7.3 Adjusting the working height

The working height of the machine is determined by the position of the rear roller and the adjustment of the lateral skids. When the roller is raised, the knives approach the ground. When the roller is lowered, the knives move away from the ground. After adjusting the working height, ensure that the blades pass above the ground. Direct contact with the ground will cause faster wear or lead to damage to the machine. Incorrect height adjustment also allows objects to be ejected from the mower unit.



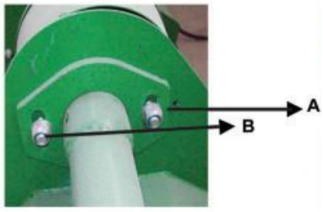
## 7.4 Adjusting the mulcher mower unit

Attach the mower unit to the tractor on a flat, level surface. Use an adjustable top link.
Lower the three-point mounting to its lowest position.
Adjust the length of the top link with the rear roller in contact with the ground, such that the lower edge on the side of the mower unit is parallel to the ground.
The skids, the rear roller and the three-point mounting should be adjusted such that the distance between the cutting tools and the ground is at least 50 mm.
Adjust the height of the roller to increase or decrease the blade clearance as required.

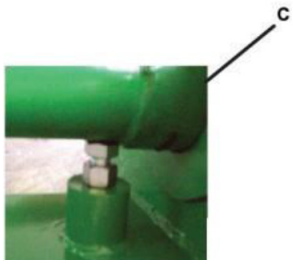
**Operate the mower unit at a maximum PTO speed of 540 rpm.**

## 7.5 Adjusting the drive belts

The correct drive belt tension is achieved by adjusting the belt pulleys. The pulleys can be adjusted via the drive train height adjustment.
To do this, loosen screws A and B and loosen the height adjustment lock nut C and the screws D holding the PTO transmission.

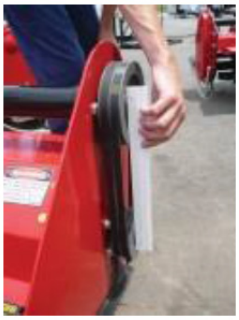



Adjust the drive belt tension. The correct belt tension is reached when the belt can be deflected 10 mm max. in the center.
Align the transmission and drive shaft such that the drive shaft is parallel to the body.




Use a spirit level or other tool to check that the pulleys are perfectly vertically aligned, i.e. they must be vertically parallel above each other. If they have moved, contact the seller for technical support. The pulleys are secured by an expander cone on the respective shaft and can be moved horizontally after loosening the expander cone.


**10 mm deflection max.**



**Check the vertical alignment of the pulleys using a spirit level. The pulleys must be absolutely parallel.**

**CAUTION**

If the belts are incorrectly aligned, the belts will be destroyed within a very short time! This damage and the consequences of this damage are not covered by the statutory warranty but represent a commissioning error!

# 8. TRANSPORTATION AND STORAGE

**WORKING SPEED**
The working speed depends on the type of vegetation, and the height and density of the material to be cut. Under normal conditions, 5 kph is the ideal speed. The speed of the power take-off may not exceed 540 rpm. Operate the mower unit at a maximum power take-off speed of 540 rpm to achieve a consistent result.

**WARNING**

The specified maximum power take-off speed may not be exceeded. If the specified speed is exceeded, this may cause defects in the drivetrain or blades. This in turn can lead to serious injury or even death.

**TRANSPORTATION BY ROAD**
Be extremely careful when transporting the tractor and equipment on public roads. Ensure you comply with all regional regulations with regard to the transportation of equipment on public roads and highways. Do not exceed a speed of 25 kph. Adjust speed to suit the road conditions and reduce speed considerably on roads or tracks with potholes, as this could otherwise damage the tractor or the mower unit.

**STORAGE**
If your mower unit is not going to be used for an extended period, follow these recommendations: Wash the machine completely and let it dry.
Grease all bearings with sufficient grease. Refer to the section
"Installation instructions" regarding grease nipples and greasing axles.
To prevent corrosion, protect the whole machine with a tarpaulin and place it in a dry place – preferably in a shed or barn.

**PRE-SEASON INSPECTION**
Check the transmission oil level and grease all bearings. See "Installation instructions". Adjust the drive belt tension, see "Adjusting the drive belts".
Examine all equipment and replace damaged or worn parts. Tighten all screws and nuts.
Check the equipment for missing and/or broken knives/blades. Replace where necessary.
Run the mower unit at low PTO speed and check that all parts of the drive train are moving freely.

# 9. SERVICING AND COMMISSIONING

Servicing is a fundamental element of a long service life and proper functioning of every piece of agricultural machinery. By maintaining and servicing the machine, you not only guarantee a good functioning, but also a longer machine service life and optimum safety when working with the machine.
The operating times specified in this manual are for information only and refer to normal conditions of use. Depending on the application, they may differ.

Clean the grease nipples before applying the grease. This will prevent mud, dust, or other foreign materials from mixing with the grease, thereby reducing the lubrication effect.
When adding oil or replacing the oil, we recommend using the same oil in order to avoid mixing oils with different properties.

Stop the engine, switch off the power take-off, apply the tractor's handbrake and place the equipment horizontally on the ground before servicing the machine.
After a few hours of operation, check that all bolts and nuts are tight. Also periodically check all safety devices.

## 9.1 First inspection on commissioning

Check the correct drive belt tension and alignment. Check that all bolts and nuts are tight. Replace the transmission oil after the first 50 hours of operation.
Fill the power take-off transmission and the drivetrain if necessary as instructed for this type of mower unit.
Lubricate all bearings of the drive shaft and the rear roller thoroughly with a grease gun.

## 9.2 Servicing schedule

| Servicing point | Frequency | Lubrication | Action* | Lubricant | Remark |
|---|---|---|---|---|---|
| PTO<br>Universal joints<br>(Cross joints) | Every 8 h | Yes | I | NLGI 2 grease | |
| PTO<br>Profile tube | Every 8 h | Yes | I | NLGI 2 grease | |
| PTO<br>Retaining pin | Every 8 h | Yes | I | Oil | |
| Screw inspection<br>(Tight fit) | Initially after 2 h and then every 40 h | - | I | | |
| Bolts and joints | Every 8 h | Yes | I | NLGI 2 grease | |
| Impact guard (if fitted) | Every 8 h | Yes | I | NLGI 2 grease | |
| Condition of hydraulics including hoses | Every 8 h | - | I | | |
| Belt condition, alignment and tension | Every 10 h | - | I/A | - | Replace if necessary |
| Flail shaft and trailing roller bearing lubrication | Prior to commissioning then every 8 h | - | I | | |
| Angular transmission and universal shaft to pulley | Initially after 20 h and then every 100 h | Replace oil | B | SAE 80W90 API GL5 | Fill volume according to mower unit type |
| Grease nipple condition | Every 8 h | - | C/I | | Replace if necessary |
| Condition of cutting tools and clean flail shaft and trailing roller | Initially after 2 h and then every 8 h, earlier if vibrating | - | I/C | | Replace if necessary |

*Action codes: A = Adjustment, I = Inspection, C = Cleaning

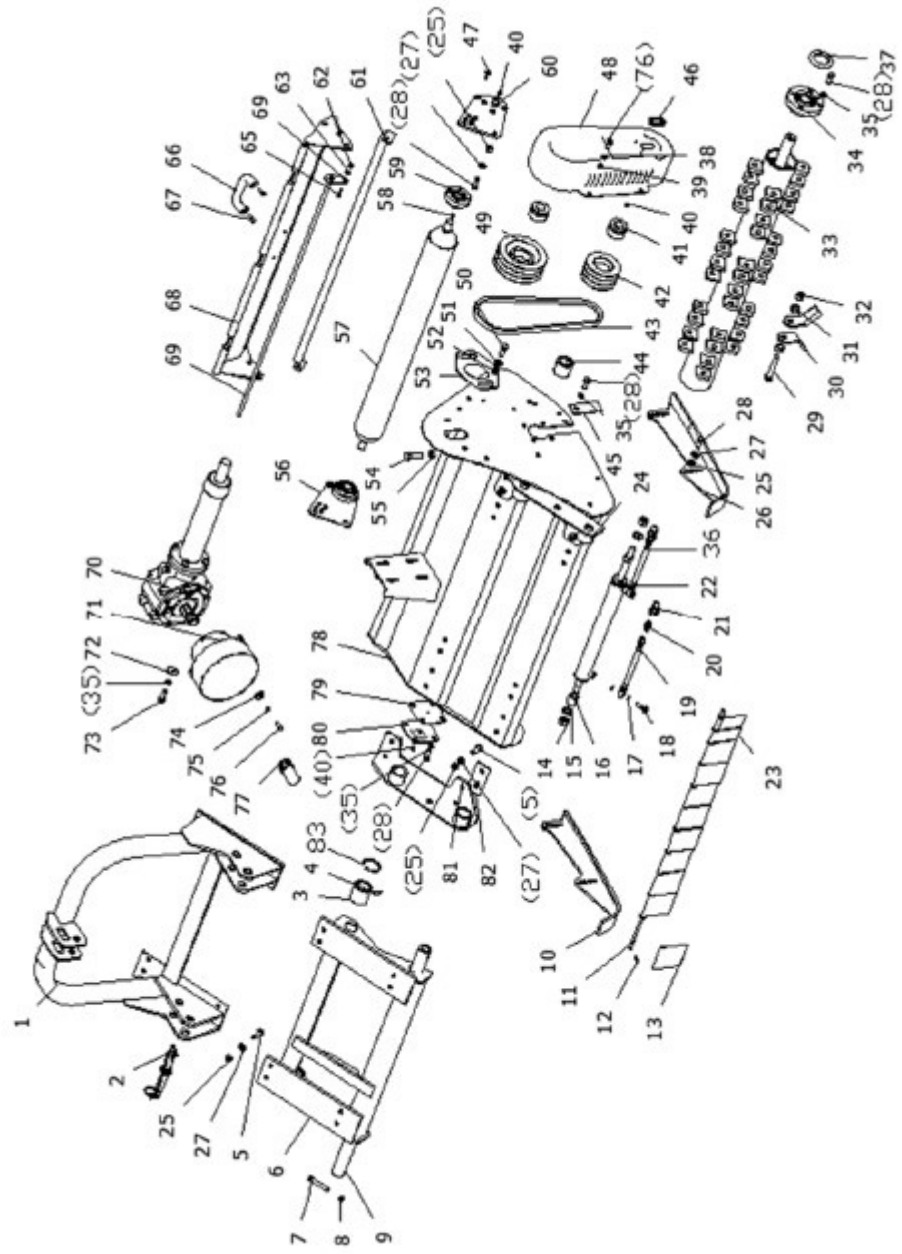
For lubrication use good quality NLGI 2 grease with EP properties. This grease is known as a multipurpose grease. Do not use graphite grease for ball bearings.
The above intervals apply to normal operation. For frequent use, lubricate more often.

**Prior to season start**
Go through all the points discussed above. The machine has a longer life and is less prone to faults if well serviced.

**After season end**
Thoroughly clean, lubricate and service the machine. When the machine is dry, we recommend applying a thin coat of oil to areas where paint has peeled off.

# 10. EXPLODED-VIEW DRAWING

## 10.1 Master



| MASTER | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 1 | 801680014 | EFGCM120.014B | Mount | 1 | |
| 2 | 802480066 | EFAG140.014 | Lower link bolt | 2 | EFGCHMZ105-175 |
| 2 (1) | 702480065 | EFAG140.114A | Connecting sleeve | 2 | EFGCHMZ200-220 |
| 3 | 701600028 | EFGCH120.103 | Cover | 4 | |
| 4 | 509010017 | GB1153-M6X45° | Grease nipple | 4 | |

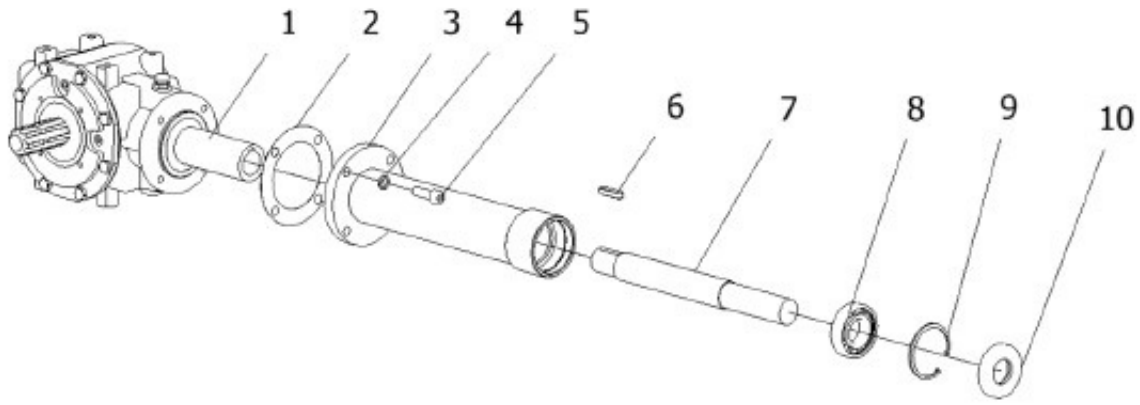
| MASTER | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 5 | 501011128 | GB5783-M12x40 | Screw | 16 | |
| 6 | 801680009 | EFGCHM120.013 | Lateral shifter frame | 1 | |
| 7 | 501011121 | GB5783-M10x70 | Screw | 4 | |
| 8 | 503010046 | GB6170-M10 | Nut | 4 | |
| 9 | 701600030 | EFGCH120.104 | (1200-1700)(L=1218) Guide rail | 2 | EFGCHM105-175 |
| 9 (1) | 701600031 | EFGCH120.104A | (L=1342) Guide rail | 2 | EFGCHM200-220 |
| 10 | 801240019 | EFGC120.013 | Left skid | 1 | |
| 11 | 700940005 | EF100.00.123 | Protective plate bar | 1 | EFGCHMZ105 |
| 11 (1) | 700950005 | EF110.00.123 | Protective plate bar (115) | 1 | EFGCHMZ115 |
| 11 (2) | 700960009 | EF120.00.123 | Protective plate bar (125) | 1 | EFGCHMZ125 |
| 11 (3) | 700970005 | EF130.00.123 | Protective plate bar (135) | 1 | EFGCHMZ135 |
| 11 (4) | 700980005 | EF140.00.123 | Protective plate bar (145) | 1 | EFGCHMZ145 |
| 11 (5) | 700990019 | EF150.00.123 | Protective plate bar (155) | 1 | EFGCHMZ155 |
| 11 (6) | 701000005 | EF160.00.123 | Protective plate bar (165) | 1 | EFGCHMZ165 |
| 11 (7) | 701010005 | EF170.00.123 | Protective plate bar (175) | 1 | EFGCHMZ175 |
| 11 (8) | 701010006 | EF200.00.123 | Protective plate bar (200) | 1 | EFGCHMZ200 |
| 11 (9) | 701010007 | EF220.00.123 | Protective plate bar (220) | 1 | EFGCHMZ220 |
| 12 | 508011473 | GB879.1-4x25 | Cylindrical pin | 2 | |
| 13 | 700920108 | EF100.00.122 | Protective plate | 9 | |
| 14 | 503010314 | GB6184-M18 | Lock nut | 3 | |
| 15 | 506010060 | GB97.1-18 | Washer | 2 | |
| 16 | 701600026 | EFGCH120.101 | Distance sleeve | 1 | |
| 17 | 516010004 | TDQ-12 | Washer | 4 | |
| 18 | 501014706 | GB3541-M12X1.25 | Flat head anchor bolt | 2 | |
| 19 | 701600001 | EFGCH120.011 | (1500) Hydraulic line | 1 | |
| 20 | 705380114 | RK120.401 | Adapter | 2 | |
| 21 | 703820055 | QUICK-COUPLING G1/2-G | G1/2 quick coupling | 2 | |
| 22 | 701600002 | EFGCH120.012 | Lateral shifter ram | 1 | EFGCHMZ105-175 |
| 22 (1) | 701600004 | EFGCH120.012B | Lateral shifter ram | 1 | EFGCHMZ200-220 |
| 23 | 700920107 | EF100.00.121 | Narrow protective plate | 2 | |
| 24 | 801680007 | EFGCHM120.012 | Right flat bar | 1 | |
| 25 | 503010311 | GB6184-M12 | Lock nut | 24 | |
| 26 | 801240022 | EFGC120.014 | Right skid | 1 | |
| 27 | 506010057 | GB97.1-12 | Washer | 24 | |
| 28 | 501011126 | GB5783-M12x30 | Screw M12x30 | 17 | |
| 29 | 501011565 | GB5785-M16x1.5x90 | Screw M16x1.5x90 | 24 | |
| 30 | 701240009 | EFGC120.104 | Flail | 48 | |
| 31 | 701240008 | EFGC120.103 | Distance sleeve | 48 | |
| 32 | 503010313 | GB6184-M16 | Lock nut | 24 | |

| MASTER | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 33 | 801140010 | EFG100.013A | Flail shaft (105) | 1 | EFGCHMZ105 |
| 33 (1) | 801150010 | EFG110.013A | Flail shaft (115) | 1 | EFGCHMZ115 |
| 33 (2) | 801160038 | EFG120.013A | Flail shaft (125) | 1 | EFGCHMZ125 |
| 33 (3) | 801170010 | EFG130.013A | Flail shaft (135) | 1 | EFGCHMZ135 |
| 33 (4) | 801180010 | EFG140.013A | Flail shaft (145) | 1 | EFGCHMZ145 |
| 33 (5) | 801190010 | EFG150.013A | Flail shaft (155) | 1 | EFGCHMZ155 |
| 33 (6) | 801200010 | EFG160.013A | Flail shaft (165) | 1 | EFGCHMZ165 |
| 33 (7) | 801210010 | EFG170.013A | Flail shaft (175) | 1 | EFGCHMZ175 |
| 33 (8) | 801130019 | EFG200.013A-G2 | Flail shaft (200) | 1 | EFGCHMZ200 |
| 33 (9) | 802080085 | EFG220.013A-G2 | Flail shaft (220) | 1 | EFGCHMZ220 |
| 34 | 511040033 | UC207-Z | Bearing UC207 | 2 | |
| 35 | 506030037 | GB93-12 | Spring washer | 13 | |
| 36 | 701600005 | EFGCH120.011A | Hydraulic hose (1900) | 1 | |
| 37 | 510020417 | GB13871-FB-55x80x8 | FB sealing ring | 1 | EFGCHMZ105-175 |
| 37 (1) | 510020397 | CFW-60X85X8 | FB sealing ring | 1 | EFGCHMZ200-220 |
| 38 | 506010056 | GB97.1-10 | Washer | 15 | |
| 39 | 503010310 | GB6184-M10 | Lock nut | 4 | |
| 40 | 509010008 | GB1152-M8x1 | Grease nipple | 4 | |
| 41 | 515010001 | REACH04-35X60 | Cover lock | 2 | |
| 42 | 701160006 | EFG120.105A | Small pulley (three-track) | 1 | EFGCHM105-175 |
| 42 (1) | 701160034 | EFG120.105B | Small pulley | | EFGCHM200-220 |
| 43 | 514010001 | 17X991 | V-belt | 3 | |
| 44 | 705380014 | RK120.109A | (EFG135-175)(L=48) Cover | 1 | EFGCHMZ105-175 |
| 44 (1) | 702080005 | G2-150.105 | Cover | 1 | EFGCHMZ200-220 |
| 45 | 701160033 | EFG120.103 | Small plate | 1 | |
| 46 | 701240046 | EFGC120.138 | Lower cover | 1 | |
| 47 | 501030185 | GB70.3-M8x25 | Allen screw | 10 | |
| 48 | 701250006 | EFGC120.111 | Large belt cover (three-track) | 1 | EFGCHMZ105-175 |
| 48 (1) | 706160004 | EFGC200.111 | Large belt cover | 1 | EFGCHMZ200-220 |
| 49 | 701160007 | EFG120.106A | Large pulley (three-track) | 1 | EFGCHMZ105-220 |
| 49 (1) | 701160040 | EFG120.106B | Large pulley | | EFGCHMZ200-220 |
| 50 | 501011141 | GB5783-M14x35 | Screw M14x35 | 2 | |
| 51 | 506010058 | GB97.1-14 | Washer | 2 | |
| 52 | 503010312 | GB6184-M14 | Lock nut | 2 | |
| 53 | 701240007 | EFGC120.102A | Pressure plate | 1 | |
| 54 | 501011905 | GB5786-M16x1.5x50 | Screw M16x1.5x50 | 1 | |
| 55 | 503010137 | GB6173-M16x1.5 | Nut M16x1.5 | 1 | |
| 56 | 801160001 | EFG120.017 | Right mounting, trailing roller | 1 | |
| 57 | 801140004 | EFG100.012 | Trailing roller (105) | 1 | EFGCHMZ105 |

| MASTER | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 57 (1) | 801150004 | EFG110.012 | Trailing roller (115) | 1 | EFGCHMZ115 |
| 57 (2) | 801160017 | EFG120.012 | Trailing roller (125) | 1 | EFGCHMZ125 |
| 57 (3) | 801170004 | EFG130.012 | Trailing roller (135) | 1 | EFGCHMZ135 |
| 57 (4) | 801180004 | EFG140.012 | Trailing roller (145) | 1 | EFGCHMZ145 |
| 57 (5) | 801190004 | EFG150.012 | Trailing roller (155) | 1 | EFGCHMZ155 |
| 57 (6) | 801200004 | EFG160.012 | Trailing roller (165) | 1 | EFGCHMZ165 |
| 57 (7) | 801210004 | EFG170.012 | Trailing roller (175) | 1 | EFGCHMZ175 |
| 57 (8) | 801160036 | EFG200.012 | Trailing roller (200) | 1 | EFGCHMZ200 |
| 57 (9) | 801160041 | EFG220.012 | Trailing roller (220) | 1 | EFGCHMZ220 |
| 58 | 509010007 | GB1152-M6 | Grease nipple | 2 | |
| 59 | 511040007 | EF100.00.012 | UC205 Bearing | 2 | |
| 60 | 801160004 | EFG120.018 | Left mounting, trailing roller | 1 | |
| 61 | 801140008 | EFG100.024 | Scraper (105) | 1 | EFGCHMZ105 |
| 61 (1) | 801150008 | EFG110.024 | Scraper (115) | 1 | EFGCHMZ115 |
| 61 (2) | 801160030 | EFG120.024 | Scraper (125) | 1 | EFGCHMZ125 |
| 61 (3) | 801170008 | EFG130.024 | Scraper (135) | 1 | EFGCHMZ135 |
| 61 (4) | 801180008 | EFG140.024 | Scraper (145) | 1 | EFGCHMZ145 |
| 61 (5) | 801190008 | EFG150.024 | Scraper (155) | 1 | EFGCHMZ155 |
| 61 (6) | 801200008 | EFG160.024 | Scraper (165) | 1 | EFGCHMZ165 |
| 61 (7) | 801210008 | EFG170.024 | Scraper (175) | 1 | EFGCHMZ175 |
| 61 (8) | 801130012 | EFG200.024 | Scraper (200) | 1 | EFGCHMZ200 |
| 61 (9) | 801130013 | EFG220.024 | Scraper (220) | 1 | EFGCHMZ220 |
| 62 | 503010309 | GB6184-M8 | Lock nut | 3 | |
| 63 | 506010055 | GB97.1-8 | Washer | 3 | |
| 65 | 501011100 | GB5783-M8x25 | Screw | 1 | |
| 66 | 705290212 | RKH120-BS | Handle | 1 | |
| 67 | 505011415 | GB70.1-M8x20 | Cylinder head screw | 2 | |
| 68 | 802000005 | EFGCHMZ100.017 | Opening flap (105) | 1 | EFGCHMZ105 |
| 68 (1) | 802010005 | EFGCHMZ110.017 | Opening flap (115) | 1 | EFGCHMZ115 |
| 68 (2) | 802020005 | EFGCHMZ120.017 | Opening flap (125) | 1 | EFGCHMZ125 |
| 68 (3) | 802030005 | EFGCHMZ130.017 | Opening flap (135) | 1 | EFGCHMZ135 |
| 68 (4) | 802040005 | EFGCHMZ140.017 | Opening flap (145) | 1 | EFGCHMZ145 |
| 68 (5) | 802050005 | EFGCHMZ150.017 | Opening flap (155) | 1 | EFGCHMZ155 |
| 68 (6) | 802060005 | EFGCHMZ160.017 | Opening flap (165) | 1 | EFGCHMZ165 |
| 68 (7) | 802070005 | EFGCHMZ170.017 | Opening flap (175) | 1 | EFGCHMZ175 |
| 68 (8) | 810020005 | EFGCHMZ200.017 | Opening flap (200) | 1 | EFGCHMZ200 |
| 68 (9) | 810100003 | EFGCHMZ220.017 | Opening flap (220) | 1 | EFGCHMZ220 |
| 69 | 802550026 | AGZ-100,017 | Bar (100) | 1 | EFGCHMZ105 |
| 69 (1) | 802550027 | AGZ-110,017 | Bar (110) | 1 | EFGCHMZ115 |
| 69 (2) | 802550028 | AGZ-120,017 | Bar (120) | 1 | EFGCHMZ125 |

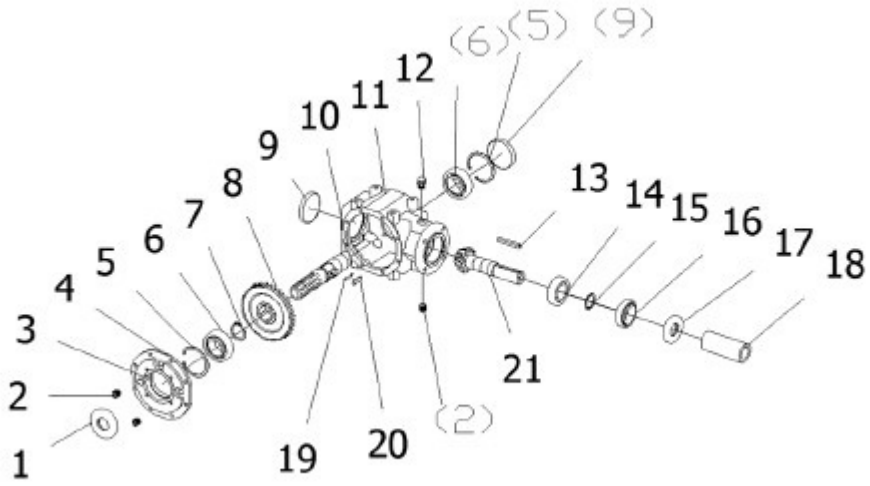
| MASTER | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 69 (3) | 802550029 | AGZ-130,017 | Bar (130) | 1 | EFGCHMZ135 |
| 69 (4) | 802550024 | AGZ-140,017 | Bar (140) | 1 | EFGCHMZ145 |
| 69 (5) | 802550030 | AGZ-150,017 | Bar (150) | 1 | EFGCHMZ155 |
| 69 (6) | 802560024 | AGZ-160,017 | Bar (160) | 1 | EFGCHMZ165 |
| 69 (7) | 802570026 | AGZ-170,017 | Bar (170) | 1 | EFGCHMZ175 |
| 69 (8) | 802590034 | AGZ-200,017 | Bar (200) | 1 | EFGCHMZ200 |
| 69 (9) | 802600034 | AGZ-220,017 | Bar (220) | 1 | EFGCHMZ220 |
| 70 | 801240026 | EFGC100.015 | Transmission | 1 | EFGCHM105-115 |
| 70 (1) | 801240023 | EFGC120.015 | Transmission | 1 | EFGCHM125 |
| 70 (2) | 801240027 | EFGC130.015 | Transmission | 1 | EFGCHM135-175 |
| 70 (3) | 802520114 | EFGCH200.021A-X | Transmission | 1 | EFGCHM200-220 |
| 71 | 703400008 | FM120.00.199 | Transmission shaft cover | 1 | |
| 72 | 506010037 | GB96.1-12 | Large washer | 4 | |
| 73 | 501011127 | GB5783-M12x35 | Screw M12x35 | 4 | |
| 74 | 506010036 | GB96.1-10 | Large washer | 4 | |
| 75 | 506030036 | GB93-10 | Spring washer | 4 | |
| 76 | 501011112 | GB5783-M10x25 | Screw M10x25 | 8 | |
| 77 | 702420030 | EF100.00.177 | Input shaft cover | 1 | |
| 78 | 802000001 | EFGCHMZ100.011 | Housing (105) | 1 | EFGCHMZ105 |
| 78 (1) | 802010001 | EFGCHMZ110.011 | Housing (115) | 1 | EFGCHMZ115 |
| 78 (2) | 802020001 | EFGCHMZ120.011 | Housing (125) | 1 | EFGCHMZ125 |
| 78 (3) | 802030001 | EFGCHMZ130.011 | Housing (135) | 1 | EFGCHMZ135 |
| 78 (4) | 802040001 | EFGCHMZ140.011 | Housing (145) | 1 | EFGCHMZ145 |
| 78 (5) | 802050001 | EFGCHMZ150.011 | Housing (155) | 1 | EFGCHMZ155 |
| 78 (6) | 802060001 | EFGCHMZ160.011 | Housing (165) | 1 | EFGCHMZ165 |
| 78 (7) | 802070001 | EFGCHMZ170.011 | Housing (175) | 1 | EFGCHMZ175 |
| 78 (8) | 810020001 | EFGCHMZ200.011 | Housing (200) | 1 | EFGCHMZ200 |
| 78 (9) | 810100001 | EFGCHMZ220.011 | Housing (220) | 1 | EFGCHMZ220 |
| 79 | 701520010 | EFG120.169 | Grease nipple cover | 1 | |
| 80 | 701520006 | EFG120.168 | Grease nipple cover | 1 | |
| 81 | 801680021 | EFGCHM120.015 | Left connecting plate | 1 | |
| 82 | 701680001 | EFGCHM120.101 | Distance piece | 4 | |
| 83 | 506060182 | GB893.1-60 | Circlip | 4 | |

## 10.2 Transmission shaft




| TRANSMISSION SHAFT | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 1 | 801240040 | XH50.300Z.02W | Transmission | 1 | EFGCHMZ105-175 |
| 1 (2) | 801380003 | XH50.300Z.02-200 | Transmission | 1 | EFGCHMZ200-220 |
| 2 | 701240024 | EFGC120.131 | Washer | 1 | |
| 3 | 801220004 | EFGC100.018A | Shaft cover (EFGC100-110) | 1 | EFGCHMZ105-115 |
| 3 (1) | 801240004 | EFGC120.018A | Shaft cover (EFGC120-170) | 1 | EFGCHMZ125-175 |
| 3 (2) | 801600032 | EFGCH200.026A | Shaft cover (EFGCHZ/M/H-200) | 1 | EFGCHMZ200-220 |
| 4 | 506030037 | GB93-12 | Spring washer | 4 | |
| 5 | 505011445 | GB70.1-M12x35 | Screw M12x35 | 4 | |
| 6 | 507010086 | GB1096-A-10x8x40 | Spring washer | 1 | |
| 7 | 701220003 | EFGC100.133A | Shaft (EFGC105-115) | 1 | EFGCHMZ105-115 |
| 7 (1) | 701250003 | EFGC130.133A | Shaft (EFGC135-175) | 1 | EFGCHMZ125-175 |
| 7 (2) | 701600034 | EFGCH200.166B | Shaft (EFGCHZ/M/H-200) | 1 | EFGCHMZ200-220 |
| 8 | 511021528 | GB276-6207-2RS | Grooved ball bearing | 1 | EFGCHMZ105-175 |
| 8 (1) | 511021667 | GB276-6208-2RS | Grooved ball bearing | 1 | EFGCHMZ200-220 |
| 9 | 506060188 | GB893.1-72 | Circlip | 1 | EFGCHMZ105-175 |
| 9 (1) | 506060191 | GB893.1-80 | Circlip | 1 | EFGCHMZ200-220 |
| 10 | 510020640 | GB13871-FB-35X72X12 | Sealing ring | 1 | EFGCHMZ105-175 |
| 10 (1) | 510020405 | GB13871-FB-40X80X10 | Sealing ring | 1 | EFGCHMZ200-220 |

## 10.3 Transmission




| TRANSMISSION | | | | | |
|---|---|---|---|---|---|
| No. | Article no. | Part no. | Name | Quantity | Remark |
| 1 | 510020638 | GB13871-FB-35x80x10 | FB sealing ring | 1 | |
| 2 | 516010003 | ZBT32001.3-ZG3/8-19" | Internal hexagon plug | 3 | |
| 3 | 501011112 | GB5783-M10x25 | Screw M10x25 | 8 | |
| 4 | 702480003 | AG14.01.C03 | Cover | 1 | |
| 5 | 506060191 | GB893.1-80 | Circlip | 2 | |
| 6 | 511022654 | GB276-6307 | Grooved ball bearing | 2 | |
| 7 | 506060322 | GB894.1-42 | Circlip | 1 | |
| 8 | 702480005 | AG14.01.C05 | Gear wheel | 1 | EFGCHMZ105-175 |
| 8 (1) | 702080002 | AG14.01.C05-G2 | Gear wheel | 1 | EFGCHMZ200-220 |
| 9 | 703340013 | NFG-RCA-80X10 | 80X10 Cover | 2 | |
| 10 | 701240041 | GC175.01.C04A | Input shaft | 1 | |
| 11 | 702480003 | AG14.01.C03 | Cover | 1 | |
| 12 | 705290211 | CBW-00-011B | Plug | 1 | |
| 13 | 507010091 | GB1096-A-10X8X70 | Feather key | 1 | |
| 14 | 511016440 | GB297-32207 | Tapered roller bearing | 1 | |
| 15 | 506060515 | JB4342-35 | Circlip | 1 | |
| 16 | 511016411 | GB297-30207 | Tapered roller bearing | 1 | |
| 17 | 510020398 | CFW-35X72X10 | FB sealing ring | 1 | |
| 18 | 701240025 | EFGC120.132 | Sleeve | 1 | |
| 19 | 702480007 | AG14.01.C07 | Leaf spring | 3 | |
| 20 | 702480006 | AG14.01.C06 | Feather key | 3 | |
| 21 | 702480001 | AG14.01.C01 | Output shaft | 1 | EFGCHMZ105-175 |
| 21 (1) | 702080001 | AG14.01.C01-G2 | Output shaft | 1 | EFGCHMZ200-220 |

# 11. CE CONFORMITY DECLARATION

CE

## Compliant with Machine Directive 2006/42/EC, Annex II A

P. de Heus en Zonen Greup B.V.

P.O. Box 1529

3260 BA OUD-BEIJERLAND (Netherlands)

| | |
|---|---|
| Brand/designation: | MULCHER |
| Types (model): | MASTER 125M, MASTER 145M, MASTER 155M, MASTER 175M, MASTER 155, MASTER 175, MASTER 200, MASTER 220 |
| Serial number: | |
| Year of manufacture: | |

We hereby declare that the machine(s) described below, by virtue of their design, comply with the fundamental health and safety requirements of the relevant EC directives.
Conformance with the following EC directives: 2006/42/EC Machinery Directive
Adopted harmonized standards:
EN ISO 12100: 2010; Safety of machinery — General principles for design — Risk assessment and risk reduction
EN ISO 4254-5: 2009; Agricultural machinery - Safety - Part 5: Power-driven soil-working machines

Person authorized to compile the technical documentation:

H. de Heus, Fa. Boxer Agriculture Equipment

Mijnsheerenland Date: 4 - 11 - 2016

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