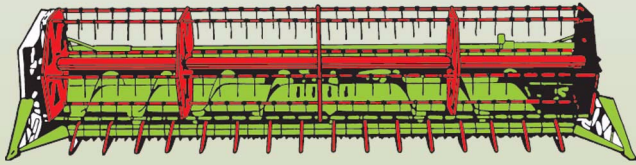


CLAAS



**C490
C430
C370**

Operator's Manual

SERVICE & PARTS

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1.1.2 Validity of instructions

The present Operator's Manual applies to the following machine / front attachment:

Designation	Type	Serial number	
		from	to
C490	527	52700011	—
C430			
C370			

2475

1.1.3 Specifications

Technical data, dimensions and weights are given as an indication only. CLAAS reserves the right to make changes subsequently as technical developments continue. Responsibility for errors or omissions not accepted.

2.2.4 Disengaging reel safety lock

**Danger!**

Carry out repair, maintenance and cleaning work and remove malfunctions only with the machine shut down.

Death or serious injury.

- Diesel engine OFF.
- Engage the parking brake.
- Remove the ignition key.
- Remove the key of the battery isolating switch.
- Secure machine by means of wheel chocks.
- Ensure that the machine cannot be put into operation by third-party persons.

**Danger!**

The front attachment and / or the feeder unit may drop in an uncontrolled way.

Death or serious injury.

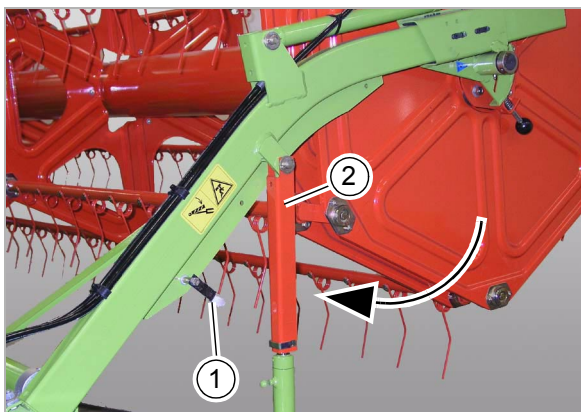
- Support front attachment and / or feeder unit.
- Keep a safe distance from the hazard area.

**Danger!**

The reel may drop in an uncontrolled way.

Death or serious injury.

- Keep a safe distance from the hazard area.



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- Lift reel into the top position.
- On the left side, engage support (1) in the bracket (2).
- Repeat the same procedure on the right side.

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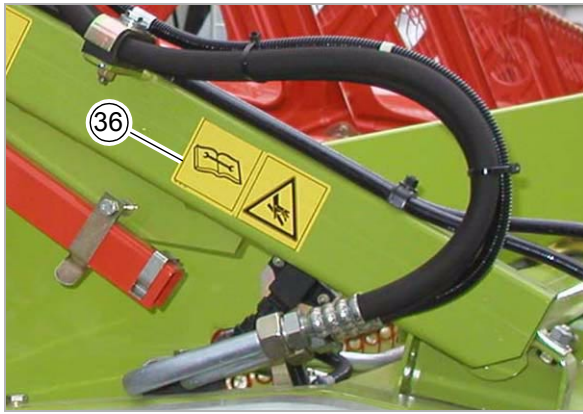
2.2.5 Attaching finger bar safety bar

For transporting the front attachment, the safety bar must be placed on the finger bar.

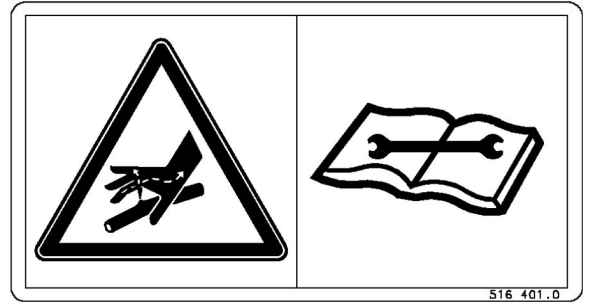
In addition, the safety bar must be fitted during all maintenance and repair work near the knives or the feed mechanism.

On front attachments without a crop lifter fitted, the safety bar must be attached directly on the knives.

- Raise the front attachment until the finger bar is in a well-accessible working height.



000 516 401 0 (36)



16 Avoid fluid escaping under pressure. Consult technical manual for service procedures. **17**

2.4.4 Various components / Machine body

000 516 040 0 (31)



18



19 Stay clear of front attachment. Disengage front attachment drive, shut off engine, and remove key before servicing or unclogging front attachment.

6 Mounting/removing front attachment

6.1 General Information

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6.1.1 General warnings

In the following sections of this chapter, the general warnings below are referred to by means of instructions.

**Danger!**

Moving machine parts and / or unexpected machine movements.

Death or serious injury.

- Advise everyone to leave the hazard area.

**Danger!**

Front attachment, reel and feeder unit may drop in an uncontrolled way.

Death or serious injury.

- Fit the safety locks.
- Keep a safe distance from the hazard area.



Note!

Incorrect number of crop lifters.

Uneconomic use.

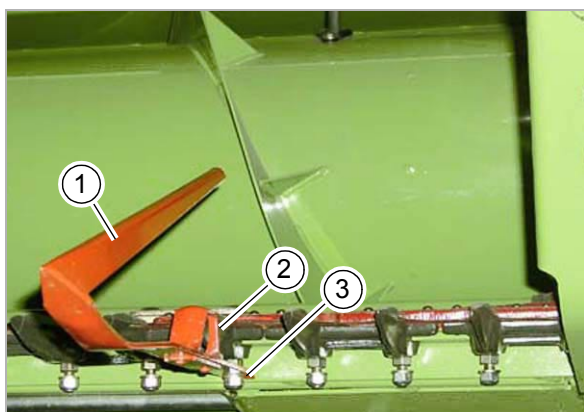
- Increase number of crop lifters if required.
Down grain and green plants between crops:

Bolt crop lifters down to every fourth to sixth double finger.

Short, standing grain and ears hanging down:

Install crop lifters with a smaller spacing.

- Install crop lifter (1) on every fourth double finger with opening (2) and (3).
Start installing on the right and left side of the finger bar as shown in the figure.
- Bolt down crop lifter (1) with nut at (3).



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7.2.2 Removing the crop lifters (optional equipment)

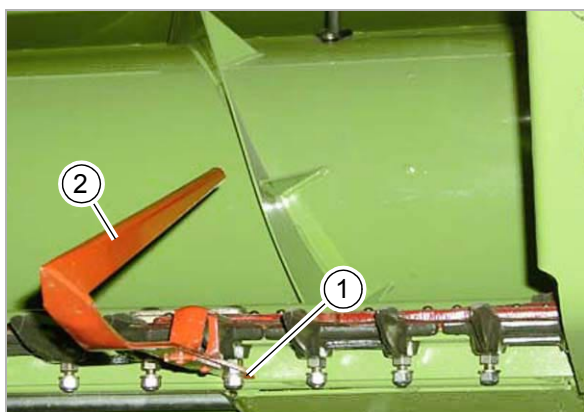
Crop lifters may be installed for harvesting down grain.

- Observe the general warnings at the beginning of the "Fieldwork settings" chapter.

- Slacken off nut (1).

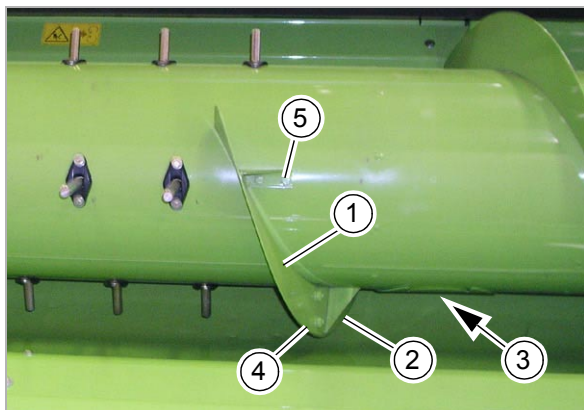
Slacken off nut (1) only until the crop lifter can just be pulled out.

- Pull off crop lifter (2).



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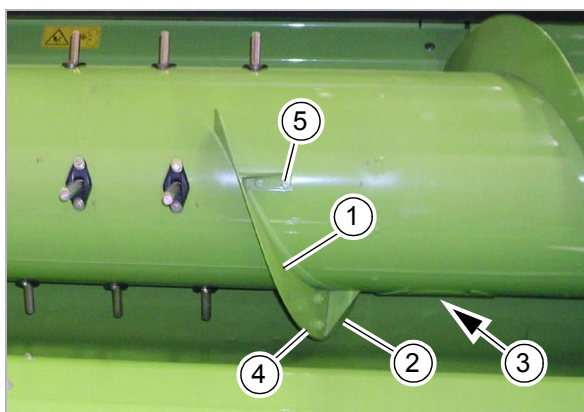
14

- Observe the general warnings at the beginning of the "Fieldwork" chapter.
- Remove cover (3).
- Fit baffle plates (1) and (2) with screws (4) and (5).
- Replace cover (3).

- Repeat this process on the other side of the front attachment.

8.4.6 Removing the auger baffle plate extension

If the crop enters the feed rake conveyor too close to the middle, the auger baffle plate extension should be removed.



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- Observe the general warnings at the beginning of the "Fieldwork" chapter.
- Remove cover (3).
- Unscrew screws (4) and (5) on baffle plates (1) and (2).
Remove baffle plates (1) and (2).
- Replace cover (3).

- Repeat this process on the other side of the front attachment.

8.4.7 Adjusting the intake auger speed

When the crop is wrapped on the intake auger, the speed of the auger must be reduced.

The speed can be modified with a fitting operation on the drive sprocket.

The sprocket has two different numbers of teeth.

In the standard configuration, the auger speed is 204 rpm with a larger number of teeth.

This speed can be reduced to 177 rpm by turning the sprocket to the smaller number of teeth.

10.2 General maintenance notes**10.2.1 Fixing material**

- Replace worn or damaged fixing material immediately.
- Remove any rust and corrosion from the fixing material before harvesting use.
- Clean fixing material only with a non-corrosive cleaning agent.

10.2.2 Maintenance operations after the harvest**Note!**

Thorough care and repair of worn and damaged parts saves time and money when putting the machine or the front attachment into operation again.

We recommend having a post-harvest check carried out by a CLAAS service partner.

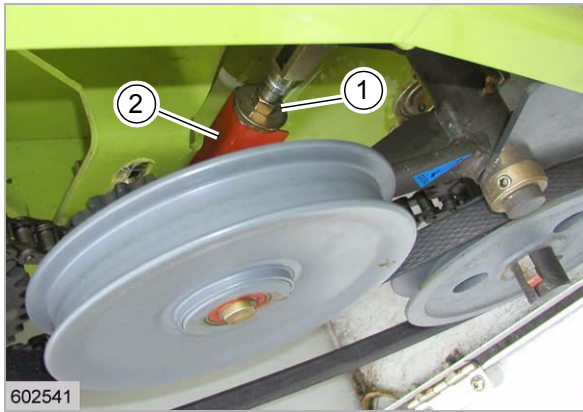
**Caution!**

Cleaning the front attachment / machine with water.

Material damage due to corrosion.

- Avoid cleaning with water.
- After cleaning with water, grease all grease points.
After that, let the front attachment/machine run for a few minutes.
- Do not clean hollow spaces and cable glands with water.

- Clean front attachment/machine with compressed air.
- Remove dust and grease from the outside of bearings.
- Protect bearings by lubricating all lubrication points.
Next, briefly activate all of the drives of the front attachment to ensure even distribution of the fresh lubricant.
- Grease all non-painted parts.
- Remove front attachment from the machine.



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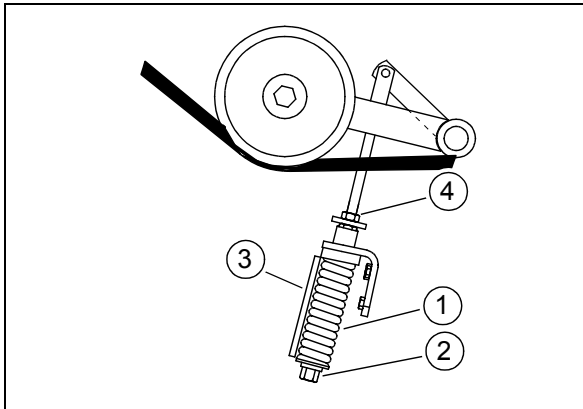
- Turn back nut (1) to ahead of the yoke.
- Remove U-piece (2).

- Adjust the belt.

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10.6.3 Adjusting the knife drive belt

- Observe the general warnings at the beginning of the "Maintenance" chapter.



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Warning!



Pinch points during assembly work.

Bruises of limbs.

- Keep limbs out of the hazard area.
- Use suitable tools.

- Adjusting spring-loaded cylinder (1):
 - Adjust spring-loaded cylinder (1) so at (2) that the gauge rod (3) is flush with the end of the spring.

Spring length = 100 mm

- Lock nut (4) against the spring-loaded cylinder (1).

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10.6.4 Tensioning intake auger drive chain

- Observe the general warnings at the beginning of the "Maintenance" chapter.

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