

# Pre Delivery Inspection (PDI) BiG X

Customer satisfaction by quality and service - the road to success.



Dear KRONE dealer,

Thank you very much for selling our KRONE products so conscientiously. For more than one hundred years now the name KRONE has been well known in the agricultural technology. The right combination of innovation, proximity to customers and competence constitutes the enduring success of the company. Numerous innovative unique selling propositions explicitly certify the quality and customer orientated company.

This PDI shall guarantee that only products of an immaculate quality reach our customers. For this purpose your help is needed. **Please keep and fill in this PDI (Pre Delivery Inspection) conscientiously and confirm the commissioning of the BiG X as executed with your signature.** The PDI lasts approximately one working day. Please effect the PDI **before** the machine is delivered to the customer.

Please send back the filled in documentation (chapter I, page 2-6) by fax: **+49(0)5977 935 210** (or by mail to: [Service-Spelle@Krone.de](mailto:Service-Spelle@Krone.de)). Chapter II merely serves as an explanation of chapter I. For more detailed information see the operating manual of the KRONE BiG X.

We thank you for your support and your faith in our products and are pleased to welcome you as our dealer. Should you have any questions do not hesitate to contact us.

with kind regards,

Your KRONE Product Support Team

**Maschinenfabrik Bernard KRONE GmbH**

Division Service & Parts

Heinrich-Krone-Str. 10

D-48480 Spelle

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## 2. Inspection of the Vehicle Frame

### 2.1 End Positions of the Steering Axle

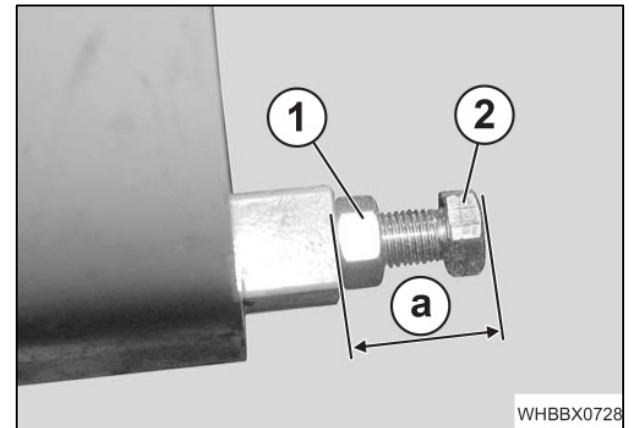
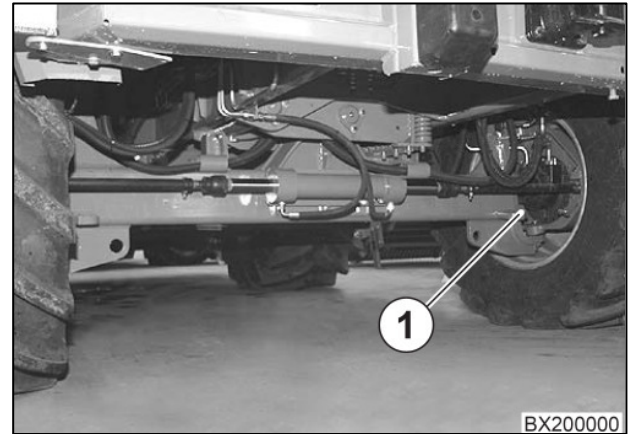
Check the end positions and joints on the steering axle (axial tie rod) to ensure they are working properly.

The wheels should stop before they touch the frame or guards.

Check the steering stop of each axle journal.

Check the dimension "a" on the adjusting screw (2).

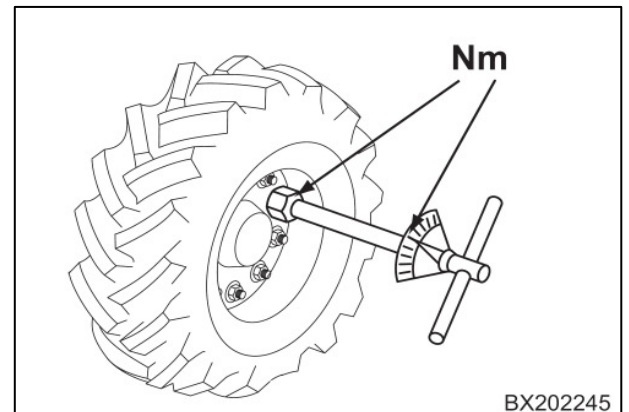
Krone factory setting for dimension **a = 45 mm**



### 2.2 Wheel Screws / Wheel Bolts

Tightening torque of wheel nuts on the **drive axle = 485 Nm.**

Tightening torque of wheel nuts on the **steering axle = 360 Nm.**

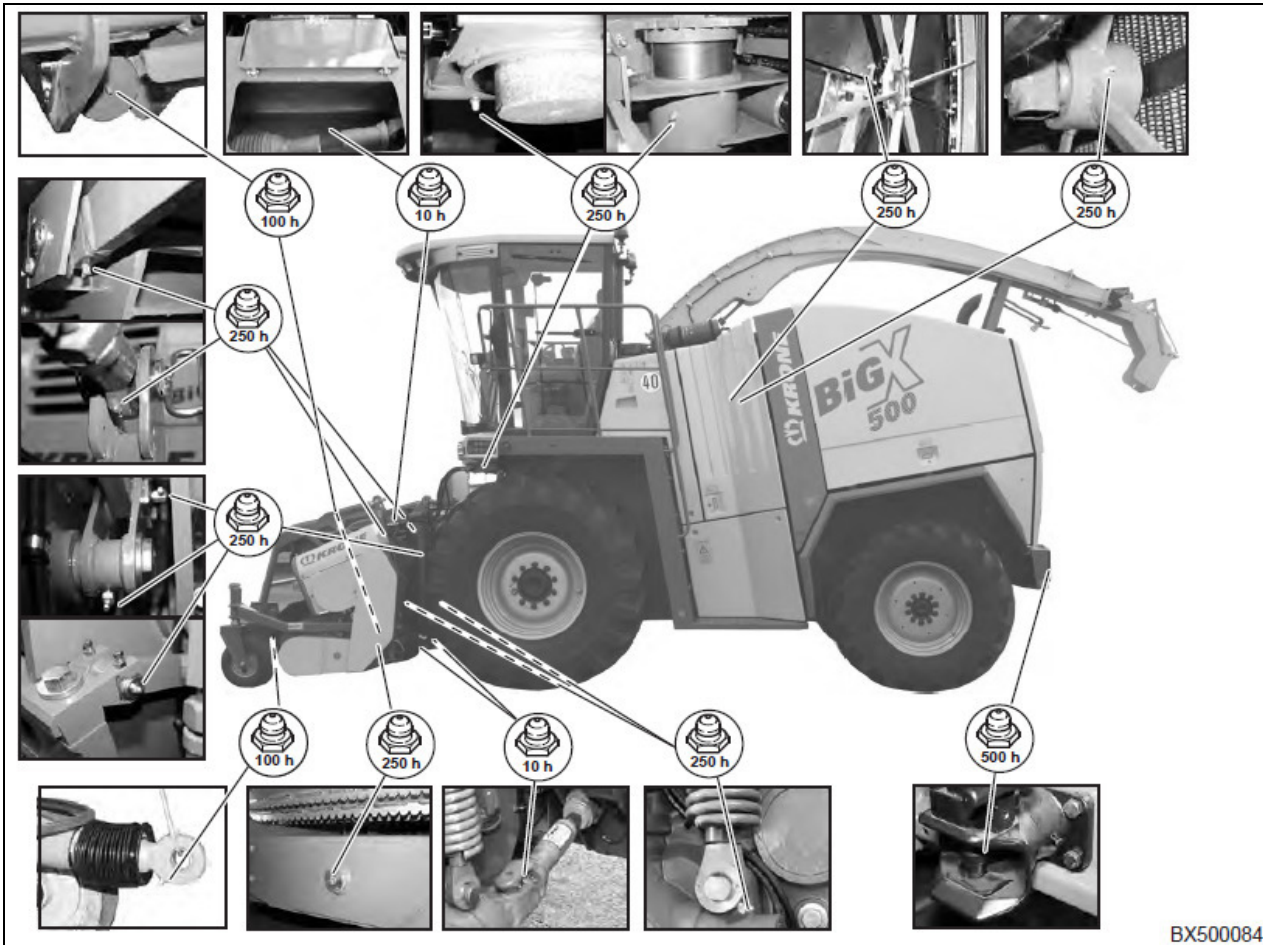


### 2.3 Tyre Pressure Table

Check the air pressure on the tyres of the BiG X and add air if necessary. The recommended values for the relevant tyre type are indicated on the machine's mudguard, or refer to the Operating Instructions for the BiG X.

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## 4.2 Manual Lubricating Points on the Vehicle



BX500084

Perform lubrication manually at each lubricating point (2-3 compression strokes) to ensure that the forage harvester runs properly. Lubricate the individual places regularly at the required intervals (indicated in hours) (see illustration, subject to changes).

## 4.3 Filling Levels of Storage Tanks for the Central Lubrication System

Fill the storage tank up to the maximum line. Use the appropriate dispensing tools for the task.

**NOTE: Please do not unscrew the cover to fill the tank. Instead use the quick connector!**

Initiate a lubricating cycle manually to check whether the system is functioning properly.



BX101960

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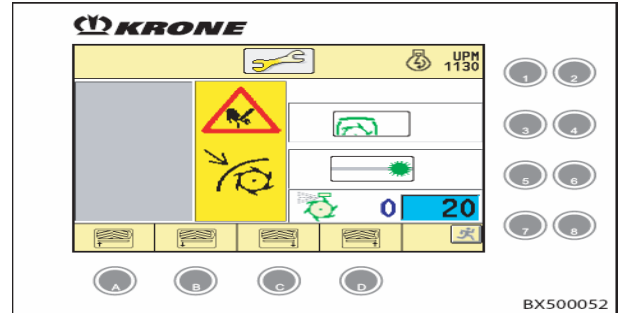
## 8.6 Control Switch for the Grinding Device

Check the function of the entire control unit for the grinding device.



## 8.7 Displays for Grinding

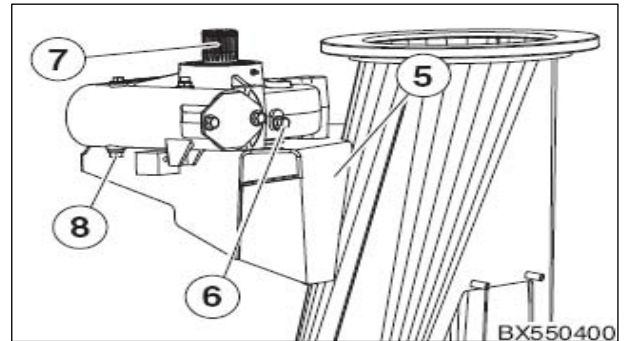
Check the displays for grinding. For additional information, please see the Workshop Manual.



## 9. Discharge Chute (DC)

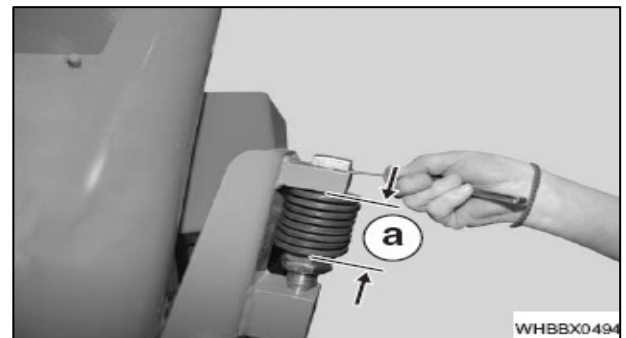
### 9.1 Fastening and Gearbox

Check the oil level of the discharge chute gearbox. The gearbox should be filled at least to the inspection screw (6) with oil (type: SAE 85W-90). Check on the bottom of the gearbox to make certain the fastening screws are properly in place!



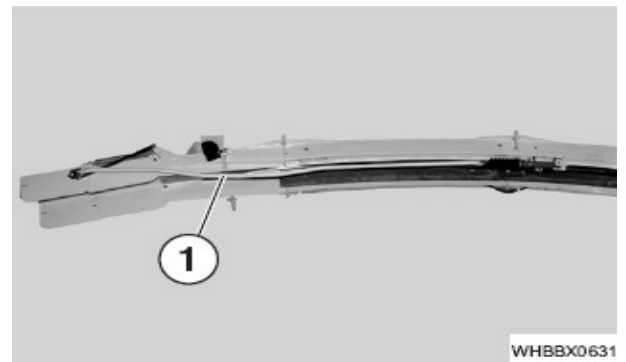
### 9.2 Discharge Chute Safety Mechanism

Check the settings of the overload spring. Set it to  $a = 70 \text{ mm}^{+3}$ .



### 9.3 Baffle Plate on the Discharge Chute

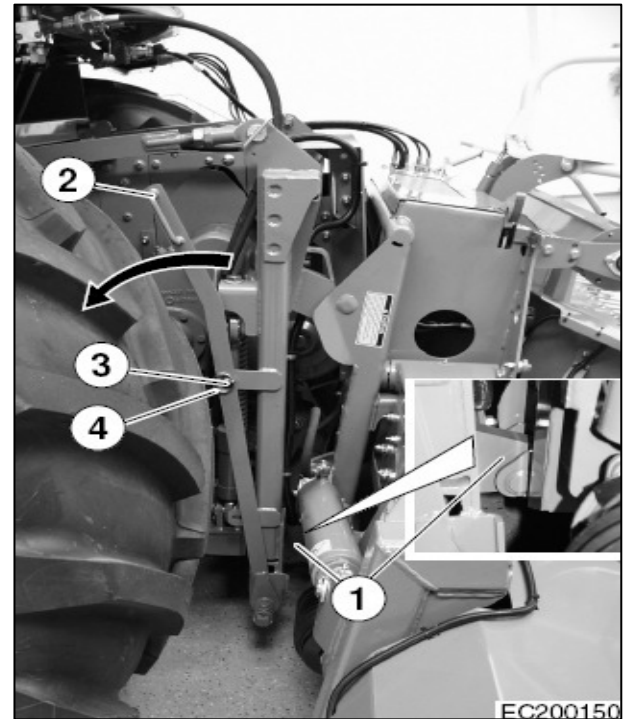
Attach the baffle plate and the discharge chute extension for maize ordered by the customer if present. **IMPORTANT:** Make certain that the wear plates overlap correctly on the discharge chute. If an extension is being mounted, allow the right and left wear plates to push up against each other. (See also BiG X Workshop Manual.)



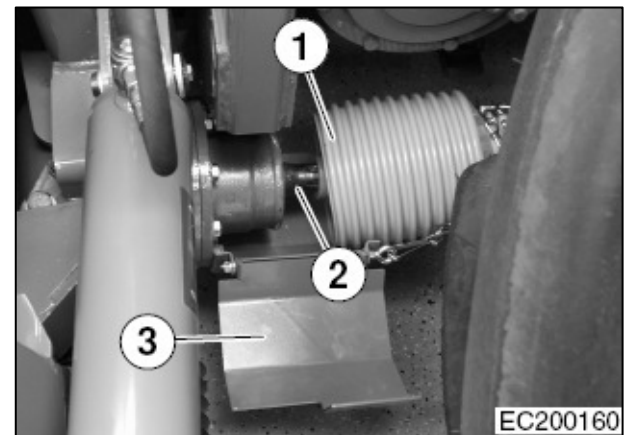
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(4) Swing the locking lever (2) to the rear and engage it on the locking pin (3). Secure it with a spring cotter pin (4)

NOTE: Check that the pendulum frame hooks correctly into the holding bolts (1) and the locking hooks on both sides.



(5) Push the machine PTO shaft (1) onto the header spline shaft (2) until the pin locks

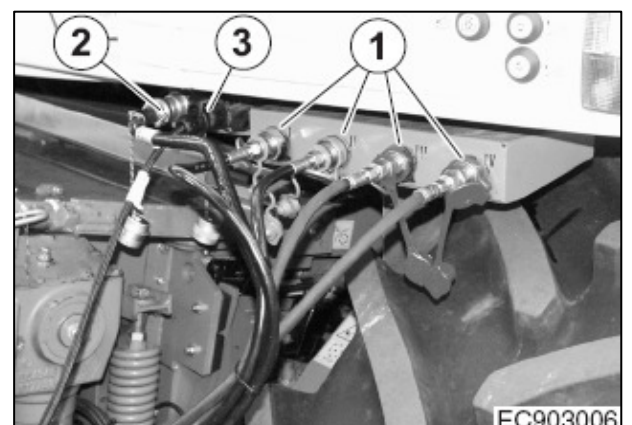


NOTE: The system should be without pressure on both sides when connecting the hydraulic hoses. Make sure the plugs and couplings are clean; clean them if necessary.

(1) Connect the hydraulic hoses (1) to the designated plug-in connections on the forage harvester

(2) Connect the connection cable (2) of the sensors

(3) Connect the lighting cable (3)



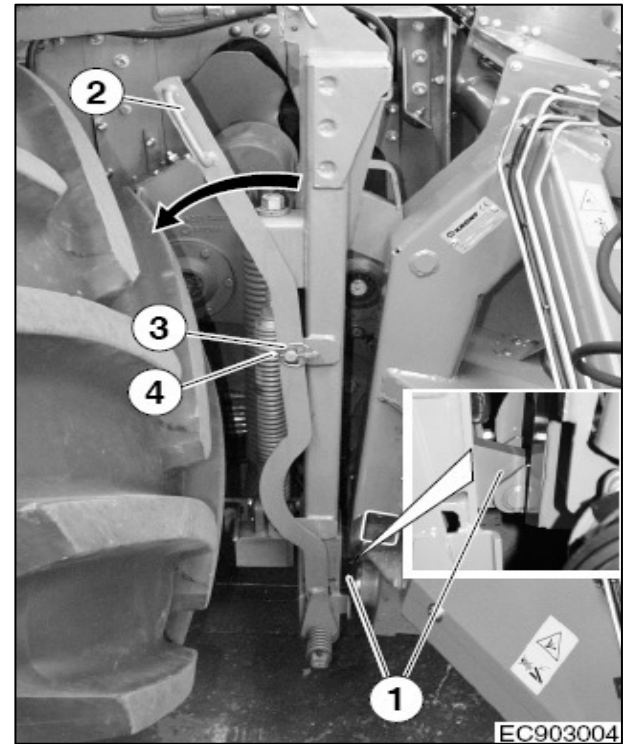
**NOTE: You can press both buttons (retract and extend) at the same time to relieve pressure on the hydraulic connections, making it easy to connect and disconnect them (see also information in the Operating Instructions).**

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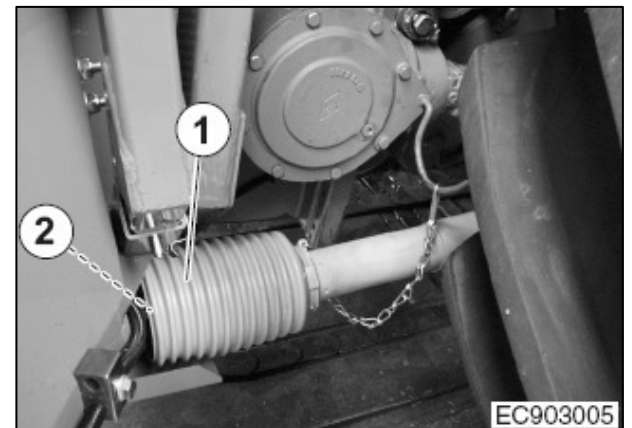
(4) Swing the locking lever (2) to the rear and engage it on the locking pin (3).

Secure it with a spring cotter pin (4)

NOTE: Check that the pendulum frame hooks correctly into the holding bolts (1) and the locking hooks on both sides.

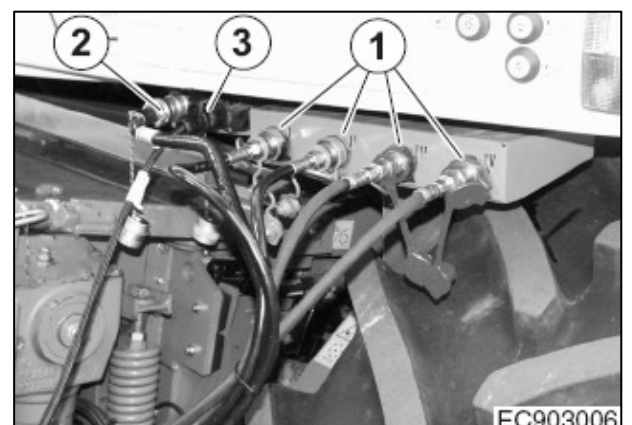


(5) Push the machine PTO shaft (1) onto the header spline shaft (2) until the pin locks



NOTE: The system should be without pressure on both sides when connecting the hydraulic hoses. Make sure the plugs and couplings are clean; clean them if necessary.

(6) Connect the hydraulic hoses (1) to the designated plug-in connections on the forage harvester



(7) Connect the connection cable (2) of the sensors

(8) Connect the cable harness (3)

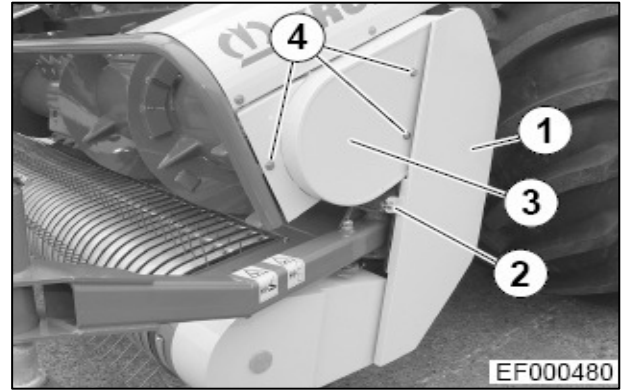
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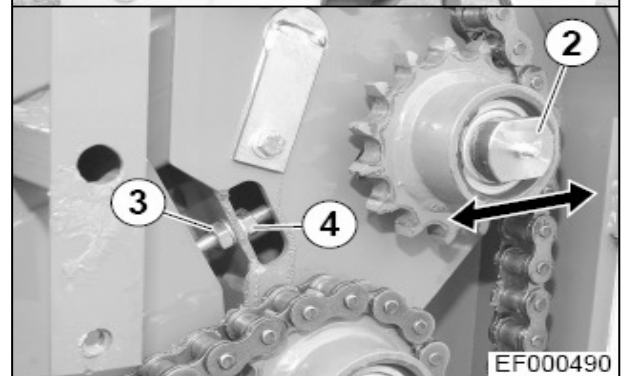
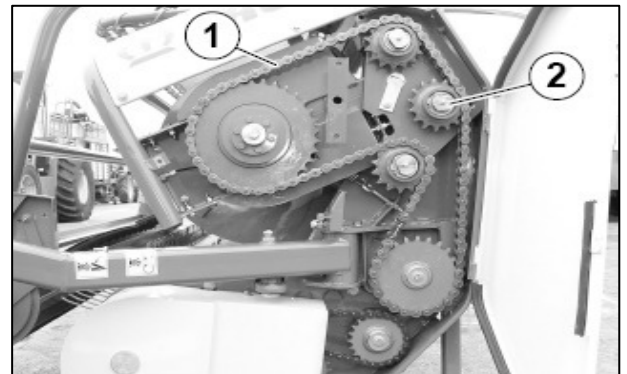
## Checking the settings on the drive chains

Check the pretension of the drive chains every 50 operating hours and when placing in operation.

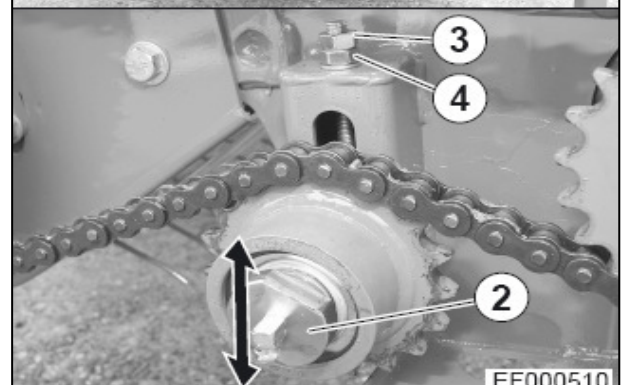
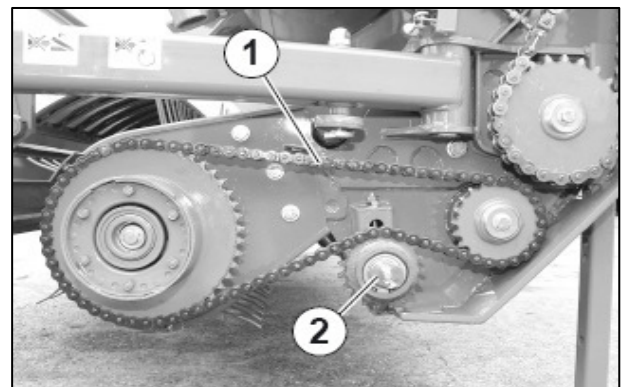
- (1) Open the protective cover (1) on the cover (2)
- (2) Unscrew the hexagon head screws (4) and remove the protective plate (3)
- (3) Remove the guard plate (1)



- (4) Check the pretension of the auger conveyor drive chain (1) and correct with the tension wheel (2) if necessary
- (5) Loosen the axle bolt (2)
- (6) Loosen the counter nut (4) and turn the hexagonal nut (3) to correct the pretension.
- (7) Tighten counter nut (4) and axle bolt (2)



- (8) Check the pretension of the receiver drum drive chain (1) and correct with the tension wheel (2) if necessary
- (9) Loosen the axle bolt (2)
- (10) Loosen the counter nut (3) and correct the pretension by turning the hexagonal nut (4)
- (11) Tighten the counter nut (3) and axle bolt (2)
- (12) Mount and close all protective coverings



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