



Tips & Tricks

**Overview of the most important
settings of KEMPER rotary
crop headers**

Preparation for the season

Fit for the next season with Kemper

With just a few steps you get a head start in the next **Kemper season!** For this purpose, we have created a small checklist for you. For optimum use of your KEMPER rotary crop header in the next harvesting season, you should pay particular attention to the following points.

Please use our online portal Kemper Smart to identify the right spare parts. You will find additional technical information, installation instructions and much more here.

It's all just a click away!

[Register for free and enjoy the Kemper online world](#)

The screenshot displays the Kemper website interface. At the top left, a yellow box highlights the URL www.kemper-stadtlohn.de. The main header features the **KEMPER** logo in white on a red background. Below the logo is a search bar and a language dropdown set to 'DE'. A navigation menu on the right includes 'Produkte', 'News', 'Service & Teile', 'Broschüren download', 'Filme & mehr', 'Unternehmen', and 'KemperSmart - Webshop', with the last item circled in yellow. A large yellow arrow points from the navigation menu towards the main content area. The main content area shows a technical drawing of a rotary crop header with various parts labeled. Below the drawing is a table with the following data:

Pos.	Bezeichnung	Artikelnr.	Menge	Bemerkung
17	Schalgetriebe	84513	1	(A)-20%
17	Schalgetriebe	91567	1	(A)-21%
18	Sperrkantscheibe	LCA89595	2	
19	Flansch	LCA90576	1	
20	Haken	91944	1	
21	Rohrbohrer	12A.111475	1	

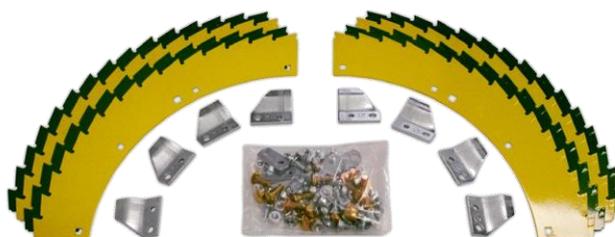
Small drum series



345 plus	360 plus	375 plus	390 plus
6 rows	8 rows	10 rows	12 rows

- ❖ **Sharp saw blades and scrapers** must be checked for tight fit and optimum functionality! Wear part sets include all the necessary blades, scrapers and screws.

Rotary crop header	Info	Bundle	Number of bundles
330	3337	LCA79040	2
345 (plus)			3
360 (plus)			4
375 (plus)			5
390 (plus)			6



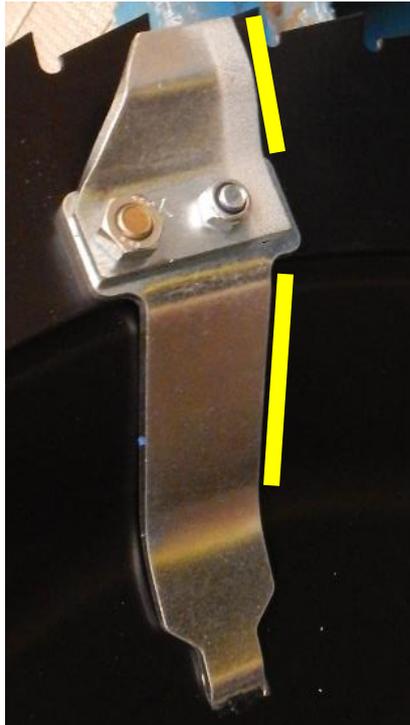
- ❖ **Friction clutches**

The KEMPER rotary crop header is equipped with friction clutches. They are the main overload protection to prevent damage to gearboxes and jointed shafts. It is essential to carry out an annual maintenance shortly before use.



❖ Square-edged scrapers

Please check the scrapers for damage and completeness. The long rotor scrapers mounted below the rotor must be intact and sharp in the direction of rotation. This also applies to the scrapers for the blades. Make sure the screws are tight!

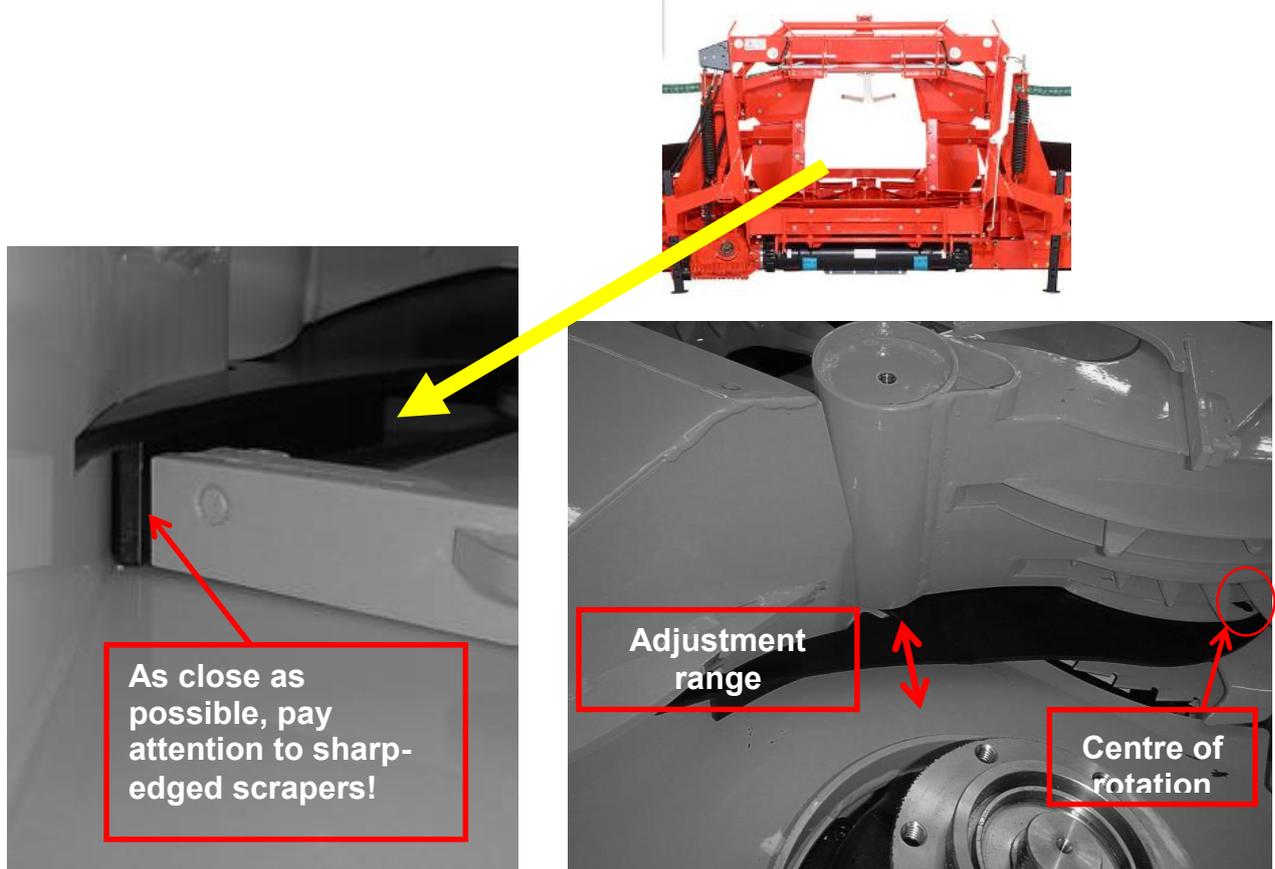
**❖ New scrapers - high performance**

Check the scrapers on the drums. The scrapers can be unscrewed and replaced and adjusted via the slot.



❖ **Prevent malfunctions in the feeder housing**

To ensure a smooth crop flow the scraper must be adjusted as closely as possible to the wiper element. This can be achieved by adjusting the scraper on the drum and by moving the black wiper element when the wiper is fitted.

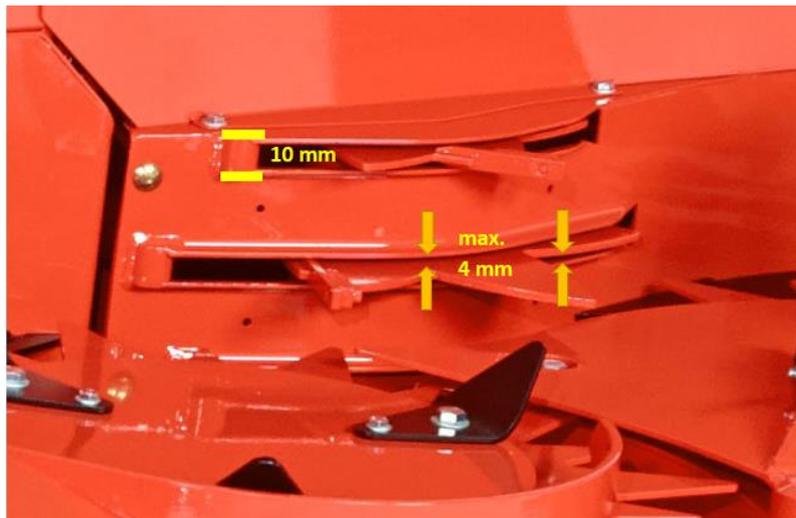


❖ Make sure there is a **small gap** (3-5mm) between the lowest **feed fingers** and the **separator tip** (A).



❖ Gathering drum /cross feed drum / feed drum

These drums are equipped with a scraper for each tine row. For optimum operation, these must be 10 mm thick and sharp-edged. The gap between scrapers and wipers in the inlet area must not exceed 1 mm. Replace round scrapers and adjust them afterward.

**❖ Intake fingers towards the drum**

Check all intake fingers. Bent intake fingers have to be brought in line. Replace or recondition worn intake fingers and observe dimensional accuracy as shown in the figure below.



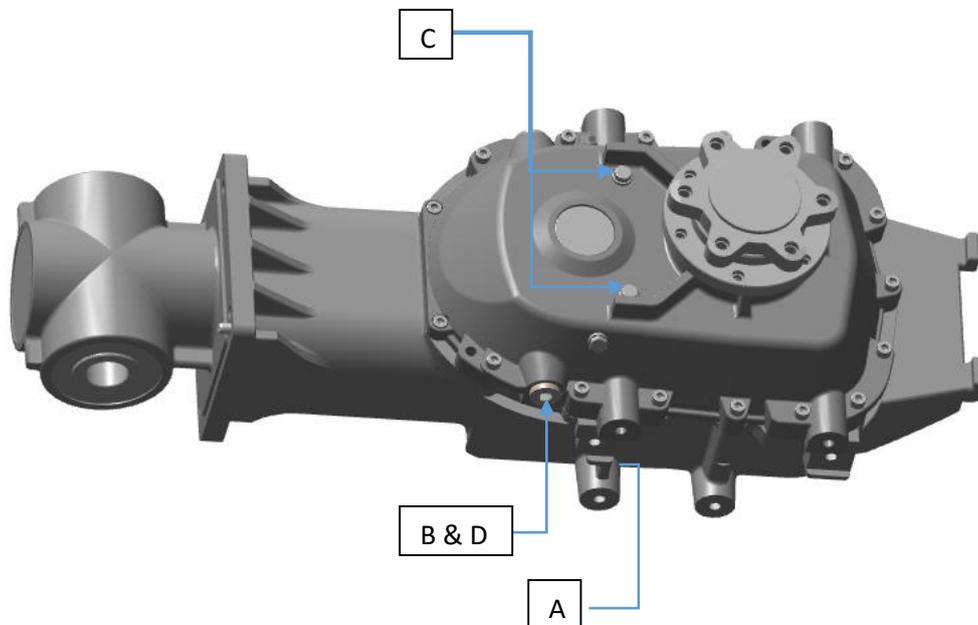
❖ **Check the claw clutches in the hinged joint**

Make sure that the clutch halves are intact. Check the two outer shift claws for displaceability. If necessary, remove them, make them serviceable and reinsert them greased. Clean this area regularly during the harvest.



❖ **Check oil levels**

Change oils in accordance with the operating manual. Pay attention to the tightness of the various plugs. In particular, keep an eye on the drain plug of the main drive, also during harvesting. Pay attention to fragile and porous hydraulic hoses. Repair leaks on gearboxes or hydraulics. Grease the header according to the lubrication schedule.



A – Oil drain plug
B – Oil filler plug

C - Vent
D – Inspection plug for oil level

❖ **Do you need optional equipment?**

If you need a steering aid, an electro-hydraulic height guide or if you would like to be informed about possible upgrade bundles in order to keep the Kemper rotary crop header up to date, please take a look at the optional equipment section.

Please find a selection of our retrofit bundles below. The complete range be found on our homepage and in *Kemper Smart*.



New optional equipment for the 300 plus series

❖ **New cob saver**

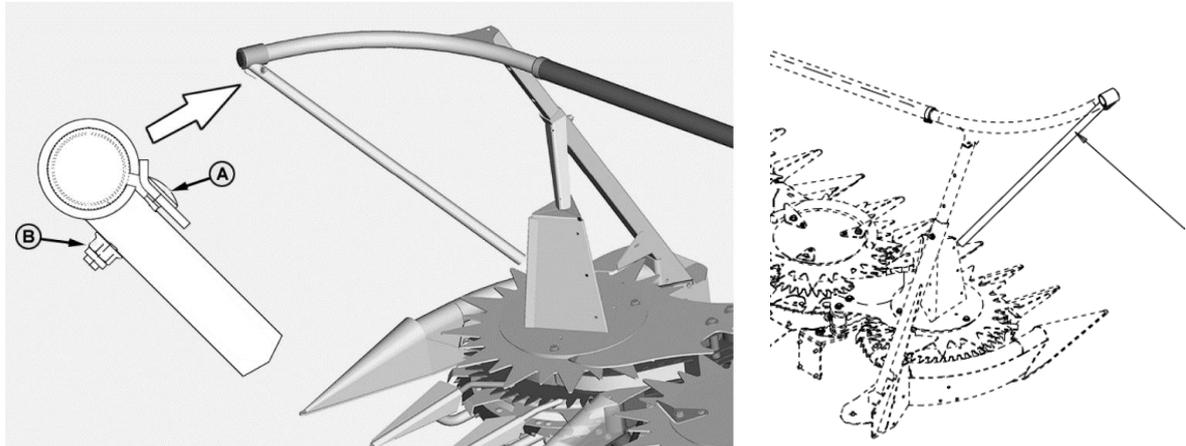
Better supply of the plants to the chopping unit. The new elevation (yellow arrow) lifts the plants and cobs so that they stay away from the drum teeth and are safely transported. Cobs are thus safely intake and held in the header. (Up to serial number 128911)

Positioning	Header	Info	Bundle	Number of bundles
Inside	345 plus	LCA115183	115181	1
	360 plus			2
	375 plus			3
	390 plus			4
+ Outside	300 plus series	LCA115184	115182	1



❖ Guide tube for push bar

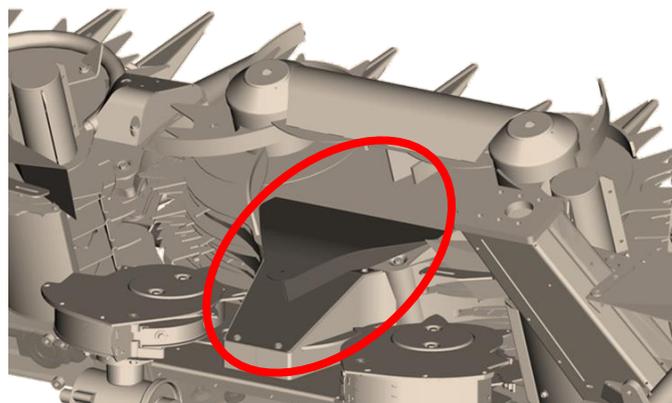
Header	INFO	Bundle No.	Number of guide tubes
300 plus series	LCA117584	117589	2



An additional push bar ensures a clean crop feed in the case of narrow row sowing and small maize crop. Material accumulations on the bar are thus avoided.

❖ Central table extension

Header	Part number
375 plus and 390 plus	111686



The centre table attachment improves the intake in the case of short maize plants and when harvesting individual rows.

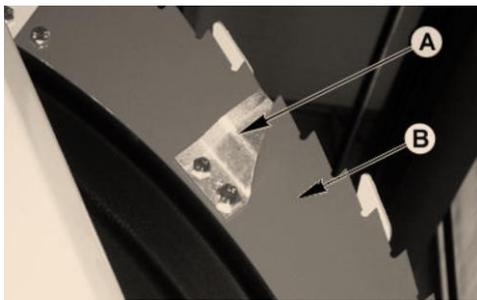
Big drum series



445	460 plus	475 plus
6 rows	8 rows	10 rows

❖ Check the scrapers and saw blades

Replace worn or damaged scrapers (A) and/or saw blades (B) to avoid unnecessary force and clutch wear. Wearing parts set No. (LCA) 89940 contains all necessary blades, scrapers and screws for 2 feed drums.



Rotary crop header	Info	Bundle	Number of bundles
460 (plus)		LCA89040	2
475 (plus)		LCA89040 + LCA98800	2 1

The special scraper supports under the blades can be find in our web shop *Kemper Smart*

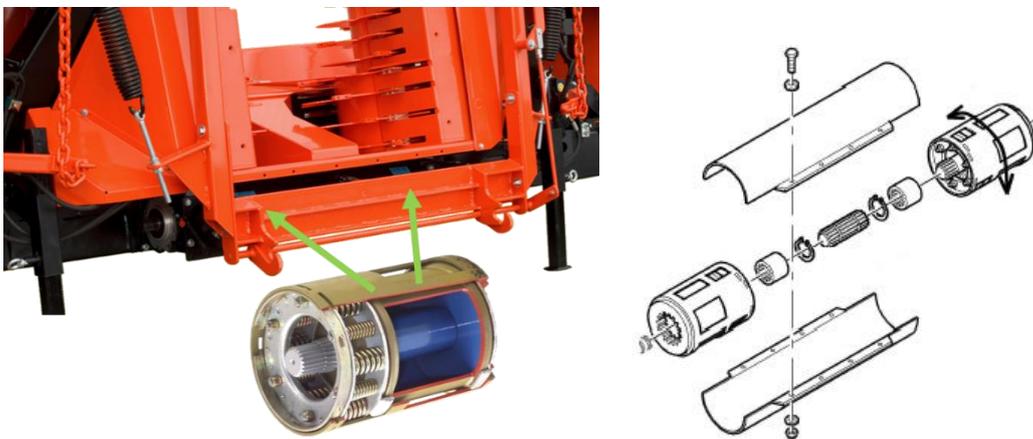
Pos.	Bezeichnung	Artikelnr.	Menge	Bemerkung
18	Verstaerkung	LCA97894	8	
19	Baumer	LCA67157	8	

(LCA97894)
 Artikelnr.: LCA97894
 Bezeichnung: Verstaerkung
 Dokument: ~ 110.88 KB
 Techn. Info
 Preis (EUR): a. A.

For optimum use of your **KEMPER** rotary crop header in the next harvesting season, you should pay particular attention to the following points.

❖ **Clutch maintenance**

Regular maintenance of the friction clutches before each new season is absolutely essential. Please refer to the operating manual for specific instructions.

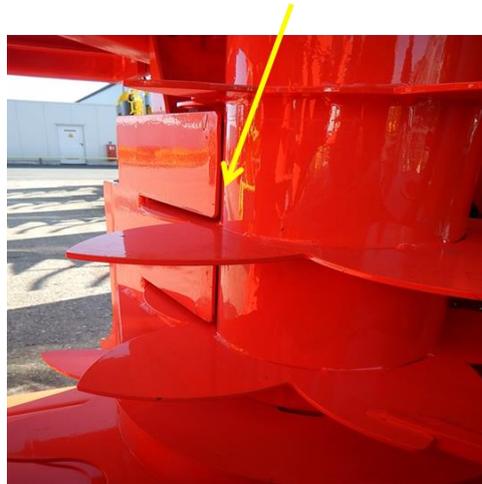


❖ **Prevent malfunctions in the feeder housing**

For this, the wipers must be adjusted in such a way that the distance between the wipers and the shell plate of the drums is as small as possible.



- ❖ Wiper must be positioned as closely as possible to the shell plate of the drum.



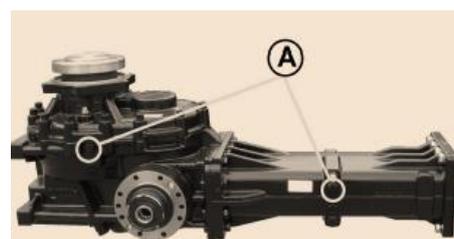
- ❖ Make sure there is a small gap (3-5 mm) between the lowest feed fingers and separator tip.



- ❖ **Grease all lubrication points**

- ❖ **Oil levels**

Change oils in accordance with the operating manual. To change the oil, unfold the rotary crop header and place it in a horizontal position. Remove the oil drain screws and the screws from the oil inspection openings (A), let the old oil flow into a suitable container and dispose of it properly. Insert the oil drain screws, add new oil to the lower edge of the inspection openings (A) and put the screws back in.



❖ **Do you need optional equipment?**

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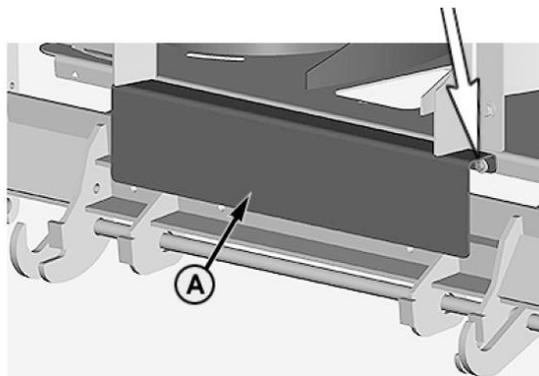
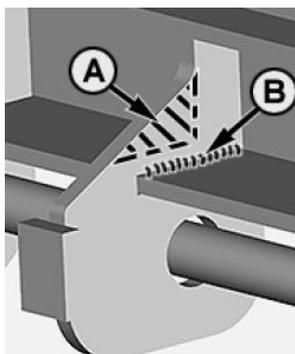
Please find a selection of our retrofit bundles below. The complete range be found on our homepage and in *Kemper Smart*.



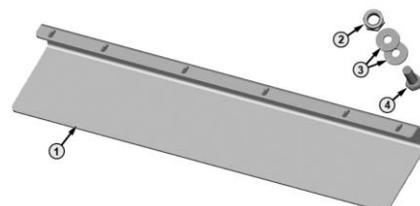
New optional equipment

❖ **Sealing plate for Claas**

Header	INFO	Bundle No.
460 plus / 475 plus	LCA115817	114596



This plate serves to further minimise crop losses between the rotary crop header and the chopping unit.

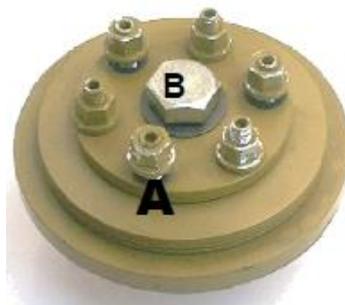


Specifically for the 445 series

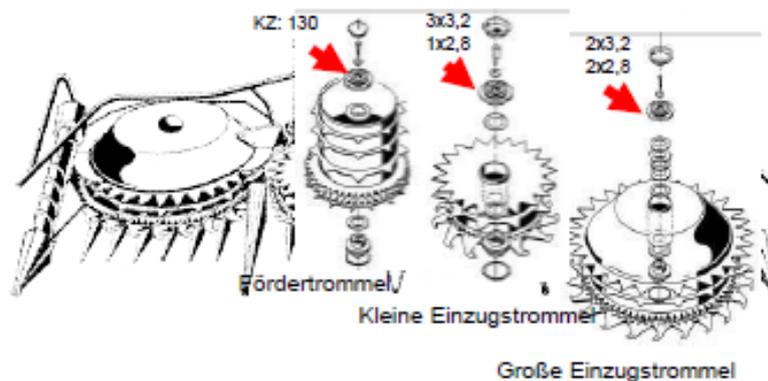


The **Kemper** rotary crop header is equipped with friction clutches. They are the main overload safety devices to prevent damage to gearboxes and jointed shafts. It is essential to carry out an annual maintenance **shortly before** use.

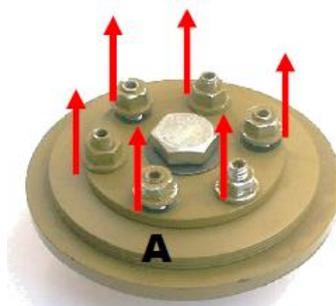
The 445 has a friction clutch in the drums. To clean the linings, the drums must be turned by hand. To do so, tighten the 6 nuts **A**! Do not loosen screw **B**!



Friction discs are located in each drum. Two discs above and one under the drum hub.



Important: *Turn* the nuts **A** back to the end of the threaded studs after cleaning. *Secure* with Loctite or by compressing the thread (deformation of the 1st thread pitch)

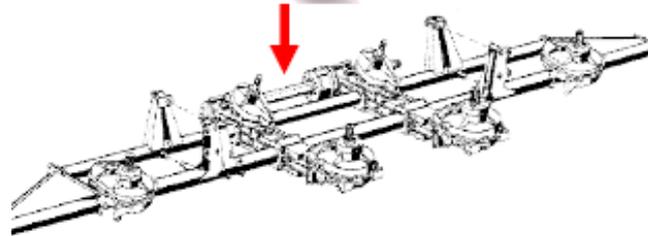


Do not forget to check the launch clutches!

"Water clutch"
(optional)



KE92/4 friction
clutch series



Please always observe the notes in the valid operating manual.

We wish you a successful harvest!

The No. 1 header worldwide



Fit for the next season with Kemper!

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