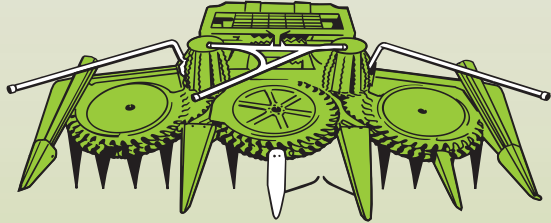


# **CLAAS**



**RU 450 Xtra**

## **Assembly and Operator's Manual**

***SERVICE & PARTS***

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: [www.heydownloads.com](http://www.heydownloads.com) by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

## 4.2 Safety rules

Before putting the machine into operation, read the operator's manual and follow the safety precautions!

### 4.2.1 Identification of warnings and danger signs

All parts of this manual having to do with your safety or the safe operation of the machine are marked with the following signs. Please pass all safety instructions on to other users, too.



#### **DANGER!**

Sign to indicate instructions which must be observed. Failure to do so may result in fatal or life-threatening injuries for the operator or other persons.

- Preventive measures.



#### **WARNING!**

Sign to indicate instructions which must be observed. Failure to do so may result in life-threatening or serious injuries for the operator or other persons.

- Preventive measures.



#### **ATTENTION!**

Sign to indicate instructions which must be observed. Failure to do so may result in injuries for the operator or other persons.

- Preventive measures.



#### **ATTENTION!**

Sign to indicate instructions which must be observed. Failure to do so could result in damage to the machine.

- Measures to prevent damage to the machine.



#### **CAUTION!**

Sign to indicate instructions to be followed during disassembly/assembly.



#### **NOTE!**

Sign to indicate instructions for a more efficient and economic use of the machine.



#### **ENVIRONMENT!**

Sign to indicate instructions which must be observed in order to avoid damage to the environment.

Danger to the environment is caused by irregular handling and incorrect disposal of toxic material (e.g. old oil).

### 4.2.2 Designated use

The maize header is designed for the usual applications in agriculture only (designated use).

Any other use is considered to be non-designated. The manufacturer will not be held liable for any resulting damage; the user carries the sole risk.

Designated use also includes observing the service, maintenance and repair conditions as prescribed by the manufacturer.

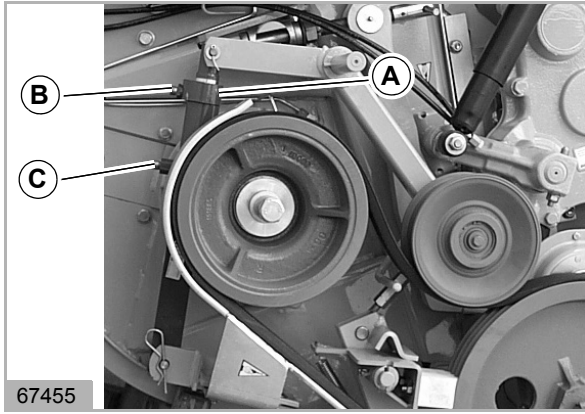
The maize header may be used, serviced and repaired only by persons who are familiar with the machine and who have been informed of the risks.

Observe the relevant accident prevention regulations and other generally acknowledged regulations regarding safety and occupational health, as well as the regulations and standards relevant to motor vehicles and traffic.

Modifications to the maize header without proper authority exclude the manufacturer's liability for damage resulting from any such modifications.

### 4.2.3 General Safety and Accident Prevention Instructions

1. In addition to the information set forth in this operator's manual, also follow the general instructions for safety and accident prevention.
2. Follow the regulations in force when you use public roads!
3. Before starting work familiarise yourself with all actuation equipment and its function, as it will be too late once you have set off.
4. Before starting, check the maize header for any loose parts on the machine.
5. Always stop the engine, remove the ignition key and switch off the battery master switch before working in or on the maize header. All control levers must be in their neutral position and the hydraulic lines must not be under pressure.



5

**Type 492 retrofit kit**

(JAGUAR 900 - 830 Type 492):

Order no.: 0991 286.1

3 0084 150.0 restrictor ..... 1x

Installation position:

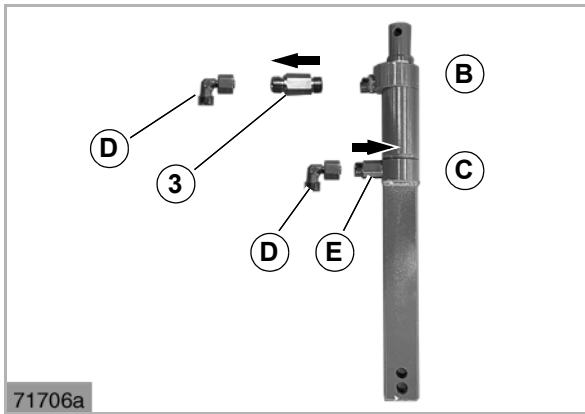
A: hydraulic cylinder for switching the feed drive

B: top connection

C: bottom connection

- 3 0084 150.0 restrictor
- D 0238 788.0 elbow union
- E 0084 150.0 restrictor

(Fig. 5, 6)



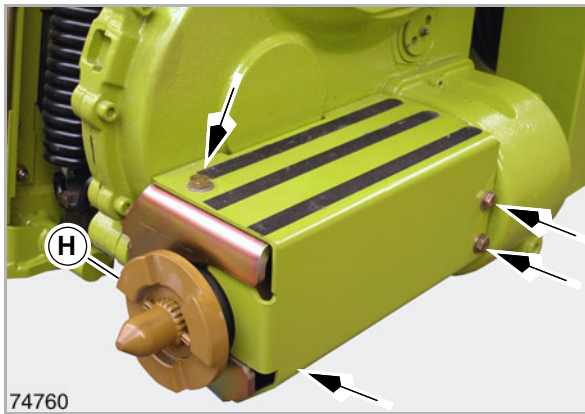
6

**6.1.4 Dismantling the dog clutch**

(JAGUAR 900 - 830 Type 493)

In order to fit the front attachment, the dog clutch (H) on the JAGUAR Type 493 must be dismantled.

JAGUAR 900 - 830 Type 493



7

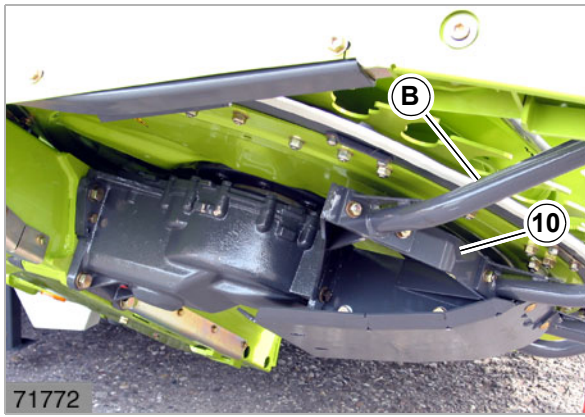


**NOTE!**

Keep the dismantled parts for re-use later.

- Unfasten the hexagon head bolts (arrowed) (4x M10x20) on the protective cover.
- Remove the cover.

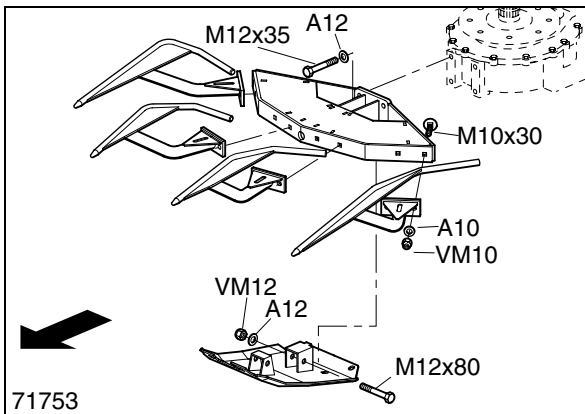
(Fig. 7)



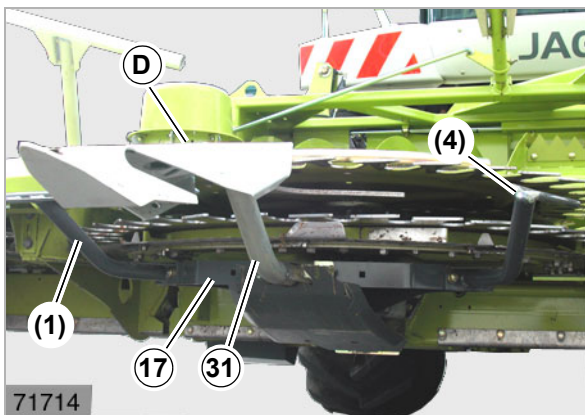
32

- Fit all the sorting rods (B) to the bracket (10) in accordance with Fig. 31, 32 and Fig. 33.

(Fig. 31, 32, 33)



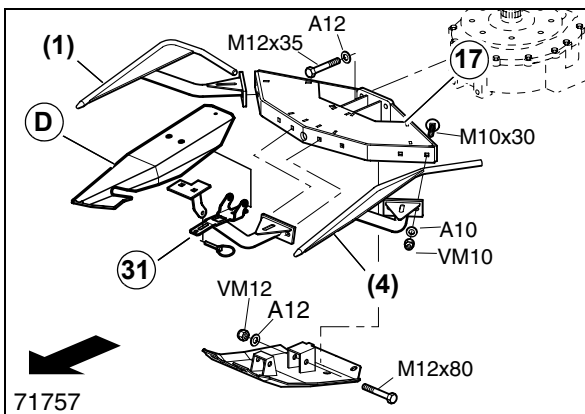
33



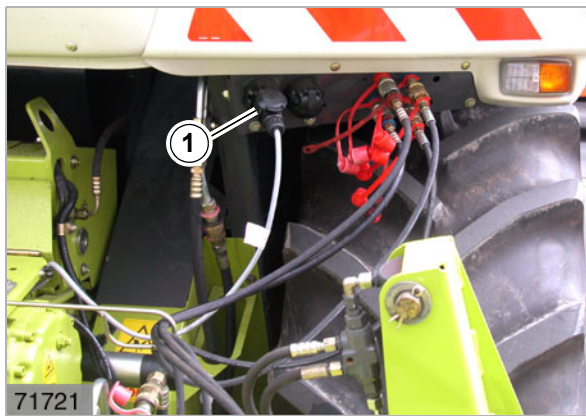
34

**Fitting the divider tips (D) for Autopilot (RU 450 with 4 sorting rods)**

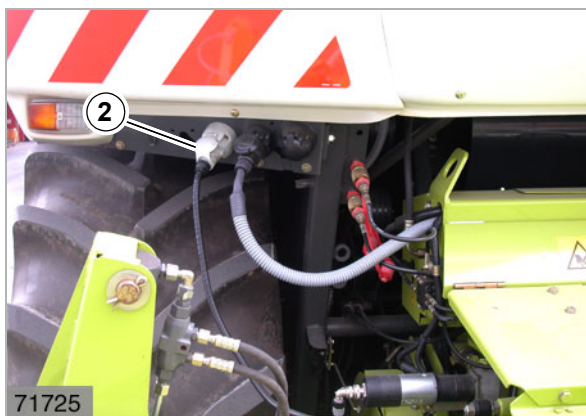
- Fit the mount (31) for the divider tips (D) to the bracket (17).
- Fit the sorting rods ((1), (4)) to the bracket (17).



35



10



11

### 8.1.8 Connecting the power supply



**ATTENTION!**

Damaged insulation on wiring may cause short-circuits or other faults in the electrical system.

- Beware of friction and jamming!

- If necessary, plug in the connectors (1, 2) for the “safety bar” additional lighting or the CLAAS Autopilot auxiliary equipment on the harvester.

(Fig. 10, 11)

### 8.1.9 Installing the universal drive shaft



**DANGER!**

Never run drive shafts without their guards, or if the guards are damaged.

- Mount shaft guard and protective tube.
- Fasten them to prevent them rotating.
- **The universal drive shafts must only be operated when in good condition.**

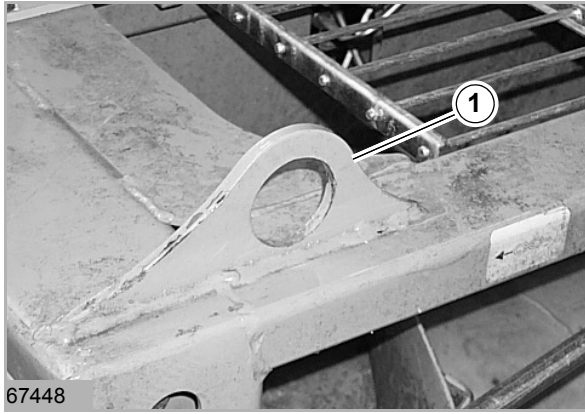
Always support the raised front attachment securely before working under it or on it  
– danger of injury.

- see *Safety support*, page 10.

During assembly of the universal drive shaft make sure that the seals click into place.

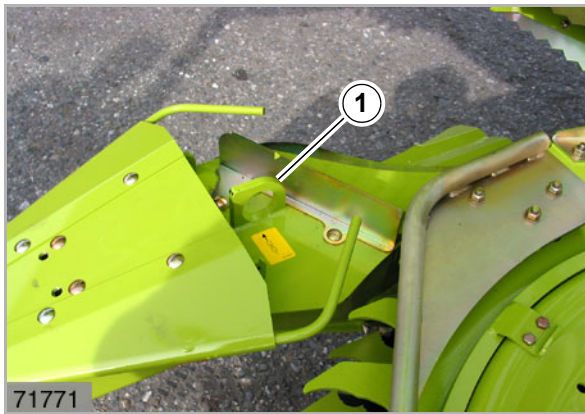
Before assembly of the universal drive shaft grease the connection pins of the front attachment and the drive machine.

The whole unit is protected by means of overload clutches against overloads caused by hard starting and jams.



67448

7



71771

8

### 9.3 Loading and unloading the maize header



**DANGER!**

Incorrect loading and transport can result in accidents!

- Load the maize header only by suspending it by the left and right hoisting points (1) (Fig. 7, 8)!
- Make sure the slings are sufficiently large!  
Maize picker weight  
- see *Specifications*, page 17.

(Fig. 7, 8)

JAGUAR model 490/491

Drehzahlanpassung Querförderschnecke RU 450				
1	2	3	4	
<b>Typ 490/491</b>				
Z = 18	4			
	5.5			
	7			
Z = 24	7			
	9			
	14			

68050a

20

JAGUAR model 492 with 12-cutter cylinder

Drehzahlanpassung Querförderschnecke RU 450				
1	2	5	3	4
<b>Typ 492</b>				
Z = 18	4			
	5.5			
	7			
	9			
Z = 24	7			
	9			
	14			

68051a

21

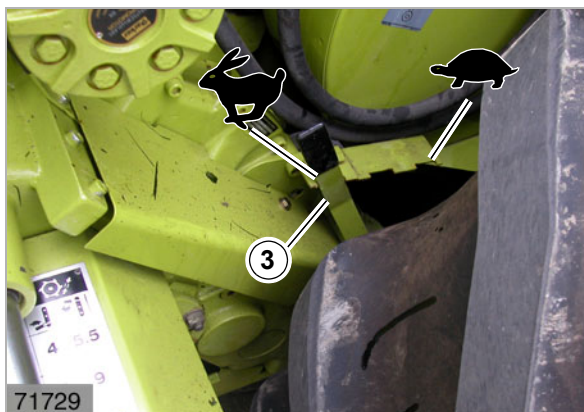
JAGUAR model 492 with 10-cutter cylinder

SPEED ADJUSTMENT AUGER RU450				
1	2	5	3	4
<b>Typ 492</b>				
Z = 18	5			
	6.5			
	8.5			
	11			
Z = 24	8.5			
	11			
	17			

68055a

22

JAGUAR model 492



71729

23

The assignment of the sprockets (column 1) to the lengths of cut (column 2), the gear ratio of the inlet gearbox (column 3) and the main gearbox (column 4) and the range shift (column 5) on the chopper is shown in fig. 20, fig. 21 and fig. 22.

fig. 20 for chopper model 490/491

fig. 21 for chopper model 492 with 12-cutter cylinders

fig. 22 for chopper model 492 with 10-cutter cylinders



**NOTE!**

In chopper model 492 the range shift lever (3) (Fig. 23) can also be used to control the ground speed of the front attachment.

(Fig. 20, 21, 22, 23)

Example:

Desired length of cut: 7 mm

On chopper:

- Reverser gear: setting desired length of cut.
  - see operator's manual of the forage harvester.
- Range shift (model 492 only): lever (3) – “tortoise” gear (Fig. 23).

On maize header:

- Sprocket 18-tooth,
- Inlet gearbox: lever (2) – “tortoise” gear (Fig. 17),
- Main gearbox: lever (1) – “hare” gear (Fig. 17),

or

on maize header:

- Sprocket 24-tooth,
- Inlet gearbox: lever (2) – “hare” gear (Fig. 17),
- Main gearbox: lever (1) – “tortoise” gear (Fig. 17).

(Fig. 17, 21, 23)

### 13.1.4 Lubrication

**WARNING!**

Take care when draining hot oil – danger of burning.

- Wear suitable protective clothing.

Observe the oil change intervals and the oil type in the gearbox specified by the manufacturer. Use only good quality grease or oil to lubricate the machine. Clean the grease nipples before applying the grease gun. Lubricate regularly according to the lubrication chart.

The lubrication intervals stated apply to normal service conditions only. Lubricate more frequently if the machine is used in severe conditions.

**ENVIRONMENT!**

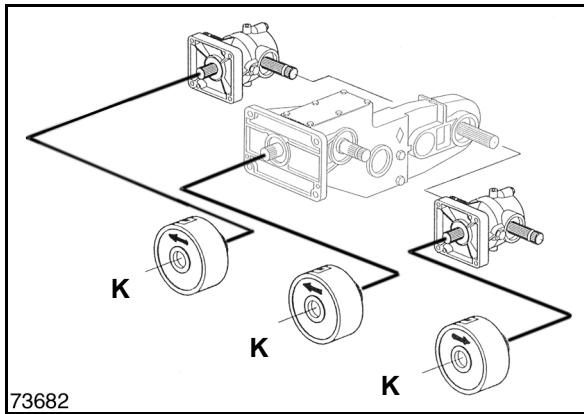
Store lubricants and fuels and dispose of used materials appropriately.

### 13.1.5 Guards

**WARNING!**

Protective guards provide protection from danger points on the front attachment.

- Do not open protective guards unless the drive is stopped and the engine is stopped.
- Stop engine.
- Remove the ignition key!
- Switch off the battery master switch!
- Mount the complete guards again after all maintenance and repair work.
- Regularly check safety guards.
- Replace worn or damaged safety guards by new ones.



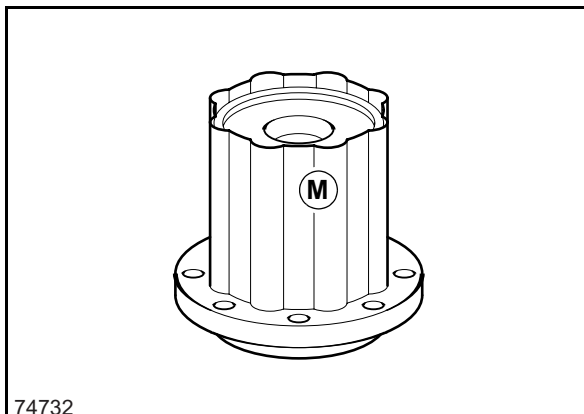
**Safety clutch (K)**

Torque setting: 780 ±78 Nm

(Fig. 13, 14)

73682

14



**Overload clutch (M)**

Torque setting: 1000 Nm

(Fig. 13, 15)

74732

15

**13.4.3 Drive shaft**



**DANGER!**

Always support the raised front attachment securely before working under it or on it.

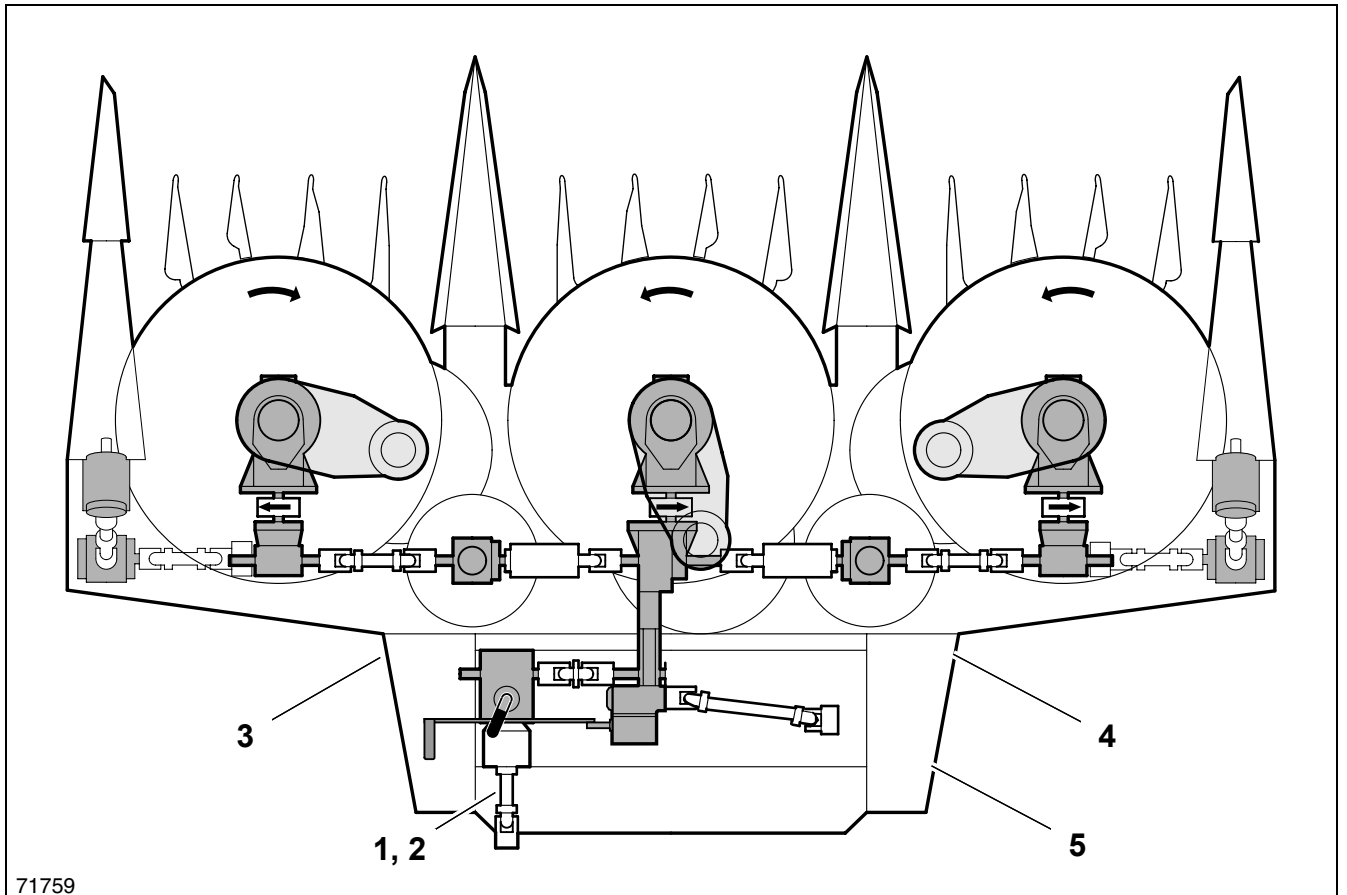
- see *Safety support*, page 10.

Only work on the universal drive shafts with the drive and engine switched off.

- Stop engine.
- Remove the ignition key!

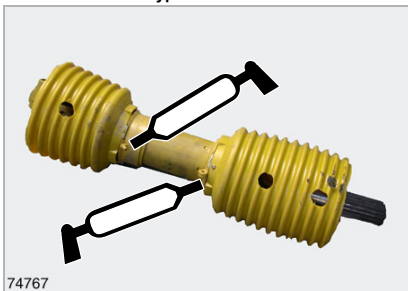
Service the universal drive shaft in accordance with the instructions of the universal drive shaft manufacturer – see operator's manual of the drive shaft manufacturer.

Observe the safety instructions of the manufacturer!



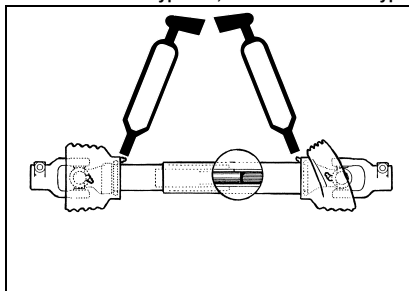
71759

JAGUAR 900 - 830 Type 493



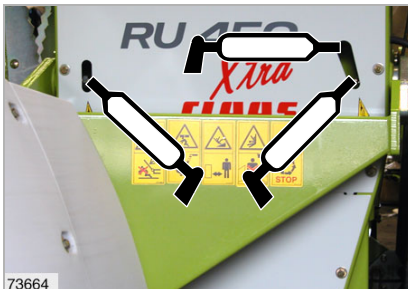
74767

JAGUAR 900 - 830 Type 492, JAGUAR 880 - 820 Type 491



2

h<sub>100</sub>



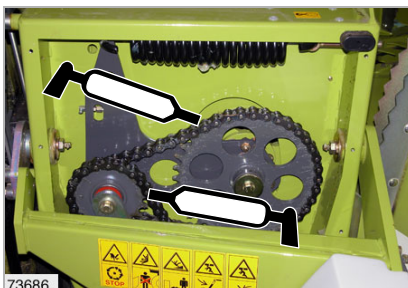
73664

3



73662

4



73686

5



**NOTE!**

Remove right side panels to lubricate the drive chains.

(Fig. 5)

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: [www.heydownloads.com](http://www.heydownloads.com) by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL