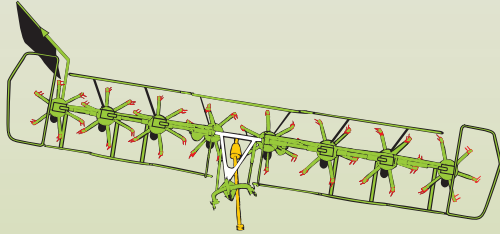


CLAAS



**VOLTO 870
VOLTO 770
VOLTO 670**

Operator's Manual

SERVICE & PARTS

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AVOIDABLE INCORRECT APPLICATIONS

The machine is not designed for any use above and beyond the intended use, and such use therefore constitutes incorrect application of the machine as defined by the Machinery Directive. The manufacturer accepts no liability for damage resulting from inappropriate use. Responsibility for such use lies exclusively with the user.

Examples of such incorrect applications of the CLAAS tedder are:

- Failure to comply with the procedures described in the operator's manual when carrying out adjustment, cleaning and maintenance operation.
- Remedying problems or carrying out maintenance work with the drives and / or diesel engine running.
- Failure to observe warnings on the machine and in the operator's manual
- Allowing maintenance and repairs to be carried out by persons not trained to perform such work
- Making unauthorised modifications to the machine
- Attaching additional equipment which is not licensed / approved
- The use of spare parts other than original CLAAS parts
- Using the machine for stationary applications
- Using the machine to ted / spread plants not defined as fodder plants
- Using the machine for mulching
- Using the machine as a scarifier

GENERAL SAFETY AND ACCIDENT PREVENTION REGULATIONS

Basic rule:

Always check that the machine and the tractor are safe to operate and comply with the road traffic regulations before putting them into operation!

General information:

In addition to the instructions in this operator's manual, comply with the general safety and accident prevention regulations!

The warnings and signs attached to the machine contain important information on safe operation, and it is imperative for your safety that you observe them!

Always comply with the local traffic regulations when driving on public roads!

Before starting work, familiarise yourself with all the controls and instruments and their functions. It is too late to do this once you have started work with the machine!

Wear close-fitting clothing when working on the front attachment. Avoid wearing loose-fitting clothes!

Keep the machine clean to prevent the danger of fire!

Check that the immediate vicinity is clear before driving off and before putting the equipment into operation (children!). Ensure that your field of vision is unobstructed!

Persons must not be allowed to travel on the machine while it is in operation or during transport!

Always hitch up the machine as prescribed and only attach and secure to the prescribed couplings!

Position the support devices correctly when attaching or disconnecting the machine! (Firm stand!)

Pay particular attention when hitching up and uncoupling the machine to and from the tractor!

Always attach the ballast weights as prescribed at the attachment points provided for this purpose!

Observe the max. permissible transport dimensions!

Observe the permissible axle loads and total weights!

Never leave the operator's platform while the machine is moving!

Check and fit transport equipment - e.g. lighting, warning devices and any safety devices!

Operating devices (ropes, chains, linkages etc.) of remotely controlled equipment must be routed in such a way that they cannot trigger unintentional movements in any transport or working positions!

Before driving on public roads, prepare the machine accordingly and secure as prescribed by the manufacturer!

Always adapt your driving speed to suit the prevailing conditions! When driving up- or downhill or across a slope, avoid making sudden turns!

Driving characteristics, steering and braking performance are influenced by any trailed machines or towed and by ballast weights! Ensure that the machine remains steerable and can be braked safely!

When driving around curves, make allowance for the wide swing and/or the inertia of the machine!

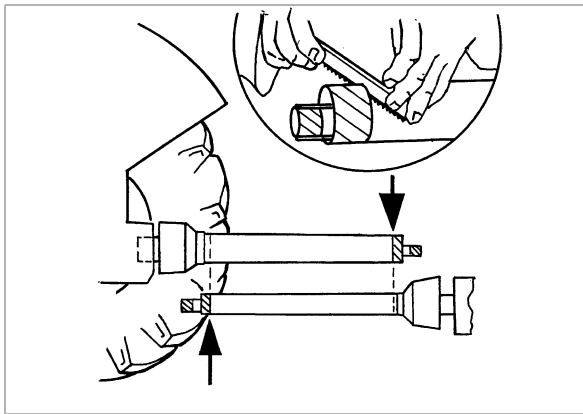
6 Specifications



NOTE!

Technical specifications, dimensions, and weights are understood with the usual tolerances.

		VOLTO 870	VOLTO 770	VOLTO 670
Width				
- Working position	m	8.70	7,70	6,70
- Transport position	m	2.98	2,98	2,85
Parked height	m	3,20	3,25	3,50
Weight	kg	1120	1000	860
No. of tine rotors		8	6	6
No. of tine bars per rotor		6	7	6
PTO speed	1 / min	540	540	540
Tyres				
- Ground wheels outer	6 x	16x6.50-8 6 PR	16x6.50-8 6 PR	16x6.50-8 6 PR
- Ground wheels centre	2 x	18x8.50-8 6 PR	-	-
Tyre pressures				
- 16x6.50-8 6 PR	bar	2.5	2,5	2,5
- 18x8.50-8 6 PR	bar	2.5	-	-
Attachment to bottom links		Cat. II	Cat. II	Cat. II
Minimum tractor power required	kW/HP	56/75	45/60	37/50
Sound pressure level	dB (A)	70	70	70

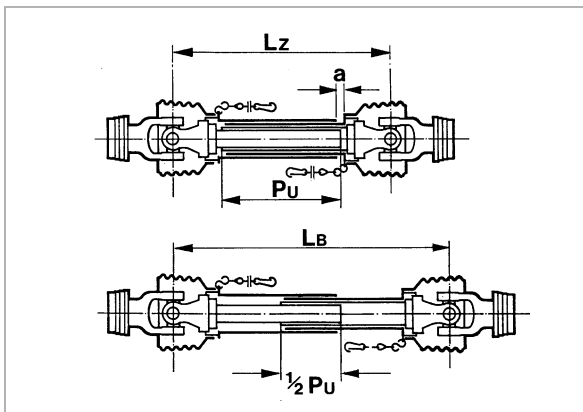


6

Adapting the length

Pull drive shaft sections apart and connect both sections to the PTO stub shafts. To find the shortest length that the shaft will have to accommodate, hold the two sections alongside each other and mark.

(Fig. 6)



7

Observe the max. permissible shaft length (LB).

Try to have the max. possible overlap of the profile tubes. During operation, the universal drive shaft must not be extended beyond half of the available extension (PU) compared to the length when fully closed (LZ).

In the shortest operating length, the universal drive shaft halves must not collide. A minimum clearance (a) = approx. 40 mm must still be available.

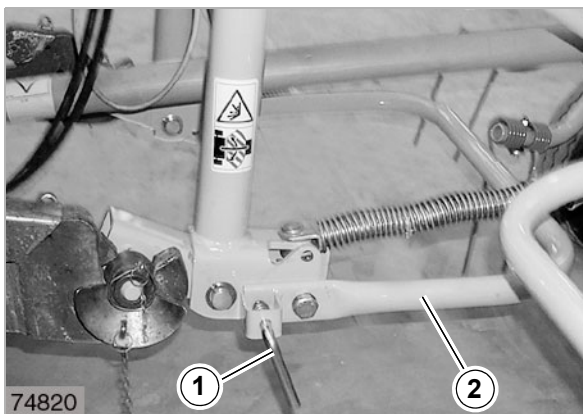
Shorten the inner and outer guard tubes by the same amount.

Shorten the inner and outer splined sections by the same amount as the guard tubes.

Deburr the cut edges, and carefully remove all swarf and filings.

Grease the sliding surfaces of the profile tubes.

(Fig. 7)



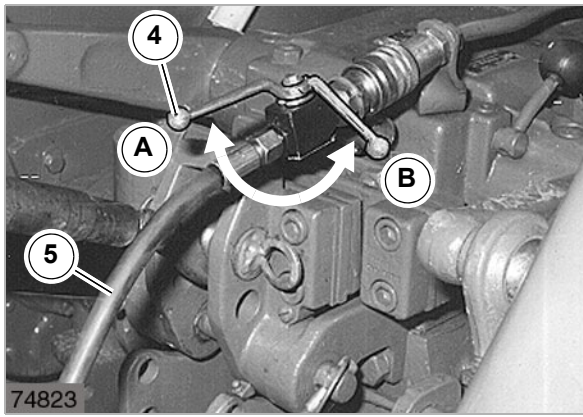
8

Prop stand

Lift the machine slightly with the tractor hydraulics.

Extract the pin (1) on the prop stand (2) on the left hand side. Hinge the prop stand (2) to the rear until the pin (1) engages.

(Fig. 8)

**VOLTO 670:**

Fold the machine with the hydraulics until the catches engage.

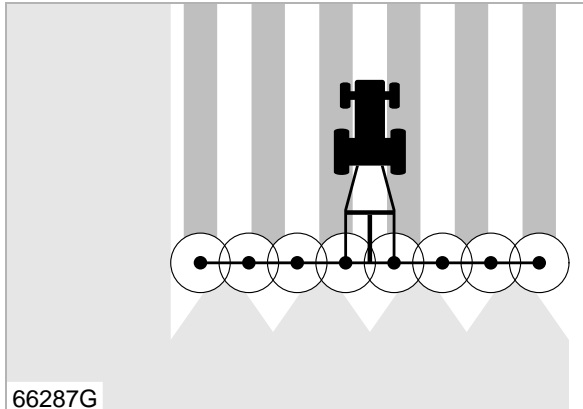
Raise the machine completely with the three point linkage.

During travel, make sure that the control lever of the hydraulic system is not actuated inadvertently!

Close cock (4) on hydraulic hose (5).

(Fig. 9)

9



33

POSSIBLE FIELD OPERATIONS

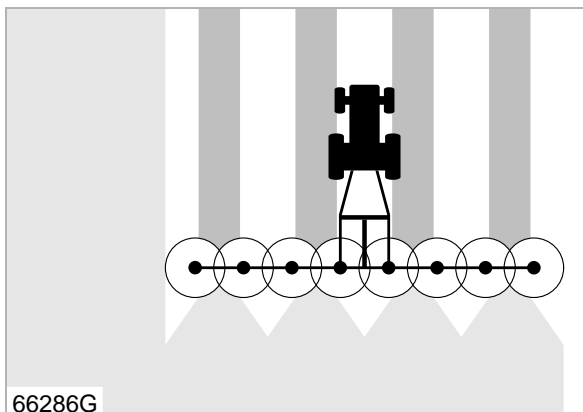
Swath raking

Even, flat spreading of windrows for drying.

PTO speed 540 rpm

- Select ground speed and PTO speed which ensure that the mown crop is evenly spread.

(Fig. 33)



34

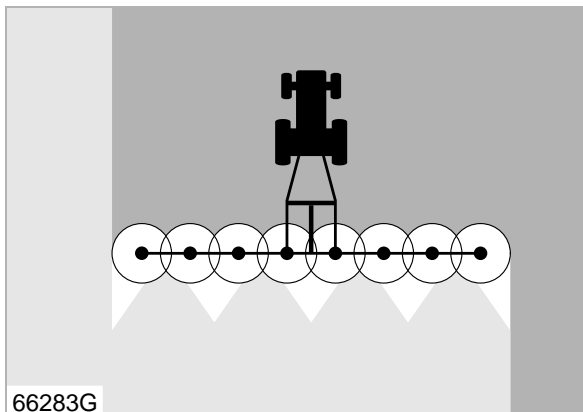
Swath spreading

Even, flat spreading of night swathing for drying.

PTO speed 540 rpm

- Select ground speed and PTO speed which ensure that the mown crop is evenly spread.

(Fig. 34)



35

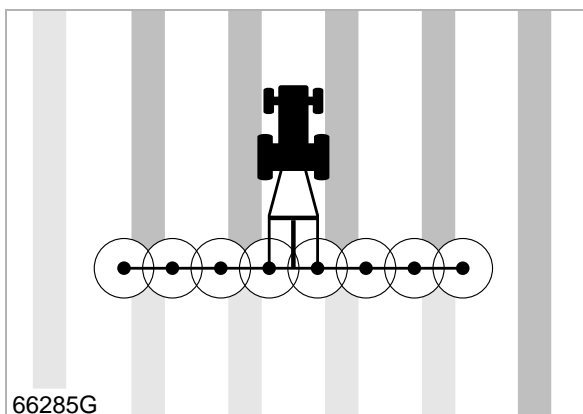
Tedding

Even, flat spreading of flat mown crops for drying.

PTO speed 540 rpm

- Select ground speed and PTO speed which ensure that the mown crop is evenly spread.

(Fig. 35)



36

Swath turning (additional equipment)

Tedding of night swathing to loose windrows.

PTO speed 540 rpm

- Select the ground speed and PTO speed to ensure that windrows are being formed.

(Fig. 36)

Anti-wrapping plates for rotor ground drive wheels

If winding problems occur at the wheels, anti-wrapping plates can be fitted.

VOLTO 870

Order no.:

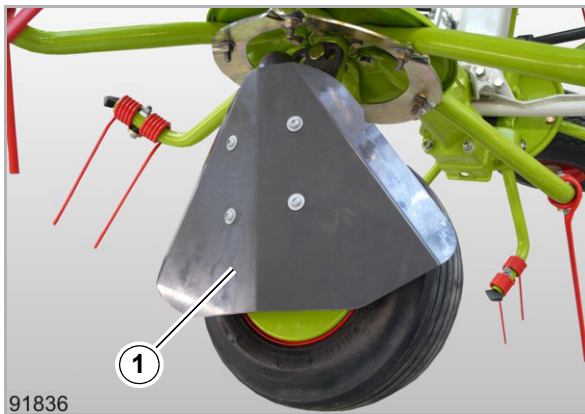
Pos (1) 00 0494 946 1

Order 2 kits

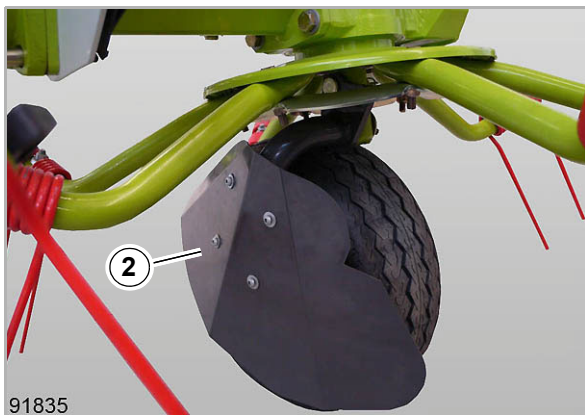
Pos (2) 00 1323 120 0

Order 1 kit

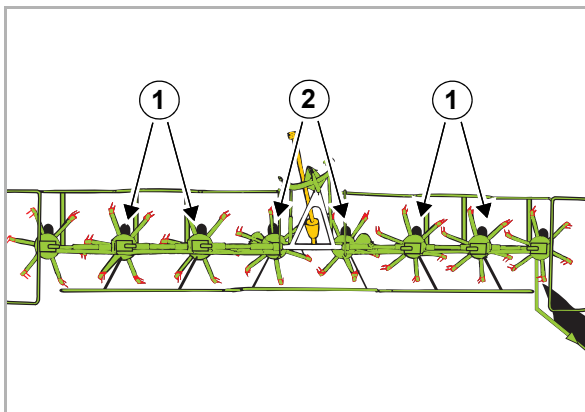
(Fig. 62, 63, 64)



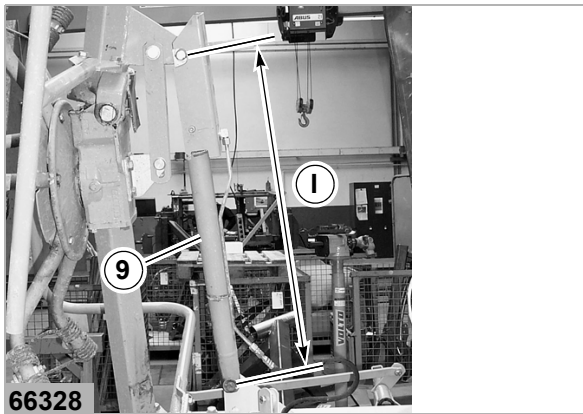
62



63



64

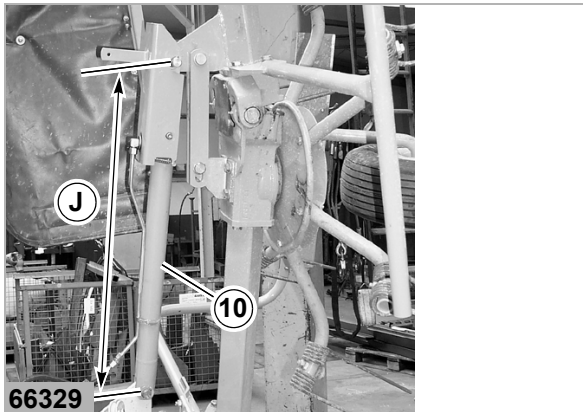


16

VOLTO 670:

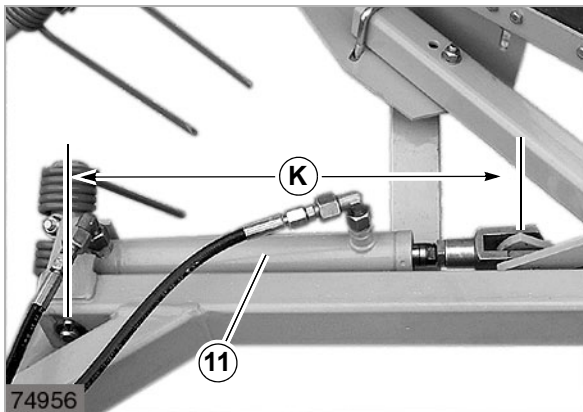
This dimension must be measured with the cylinder fully retracted after repairs to the hydraulic cylinder.

Hydraulic cylinder (9): I = 922 mm (right)
(Fig. 16)



17

Hydraulic cylinder (10): J = 922 mm (left)
(Fig. 17)



18

Optional equipment crop guard
Hydraulic cylinder (11): K = 378 mm
(Fig. 18)

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