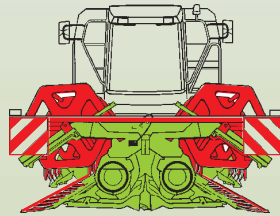


CLAAS



LEXION 580 - 510

Fitting and Operating Instructions

**Folding cutterbar
5.40 m / 4.50 m**

SERVICE & PARTS

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4

Safety rules

WEIGHTS / DIMENSIONS / SAFETY DEVICES**Weights / Dimensions**

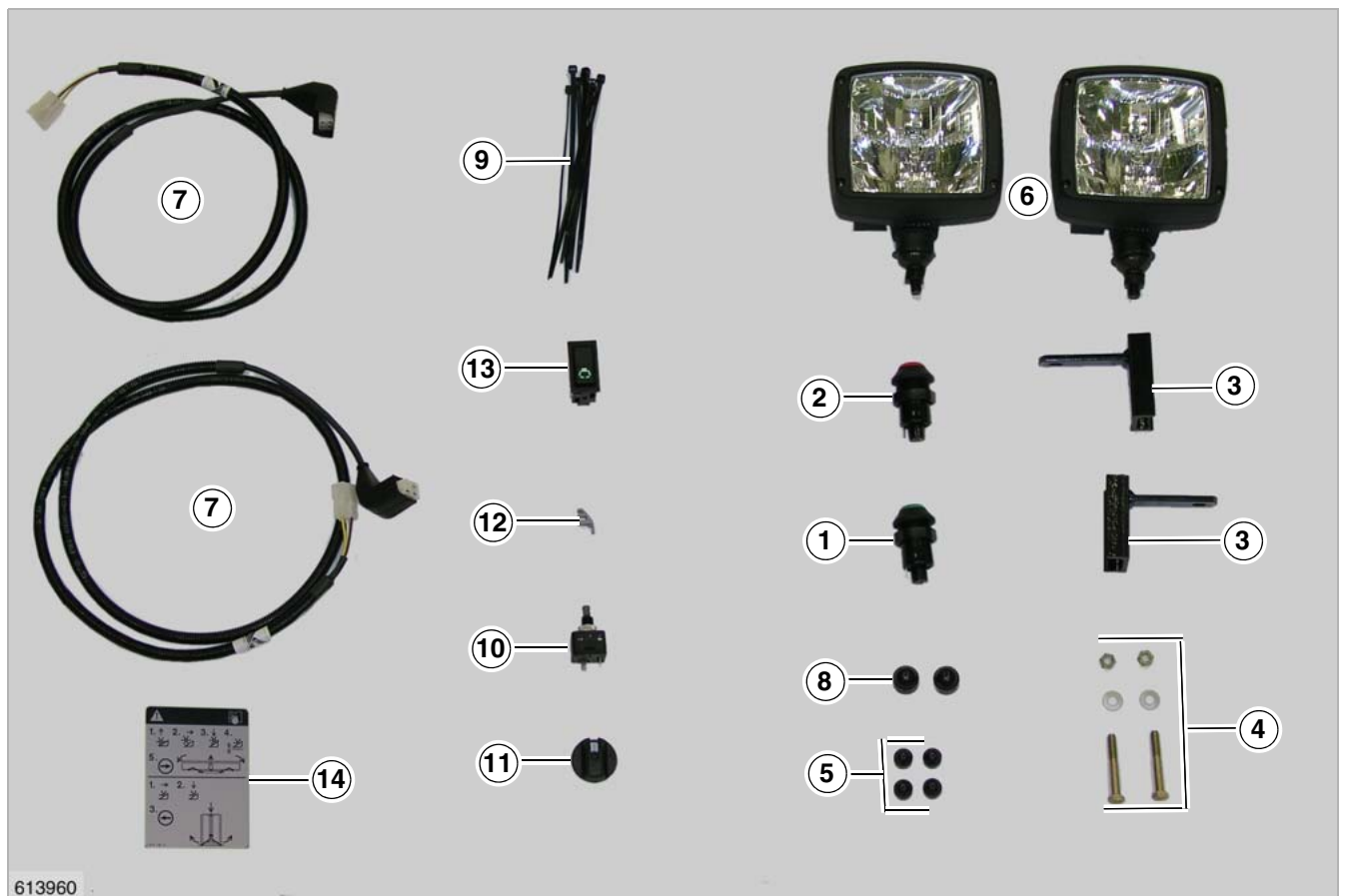
Cutterbar type	Weight	Working width	Transport width
Cutterbar 5.40 m (18')	2100 kg	5970 mm	3000 mm
Cutterbar 4.50 m (15')	1980 kg	5060 mm	3000 mm

Safety feature**Slip clutch settings**

Cutterbar type	Intake auger	Upper shaft of feed rake
Cutterbar 5.40 m (18')	700 ± 40 Nm	840 ± 40 Nm
Cutterbar 4.50 m (15')	700 ± 40 Nm	840 ± 40 Nm

Additional weights

For details, see the operator's manual of the combine harvester

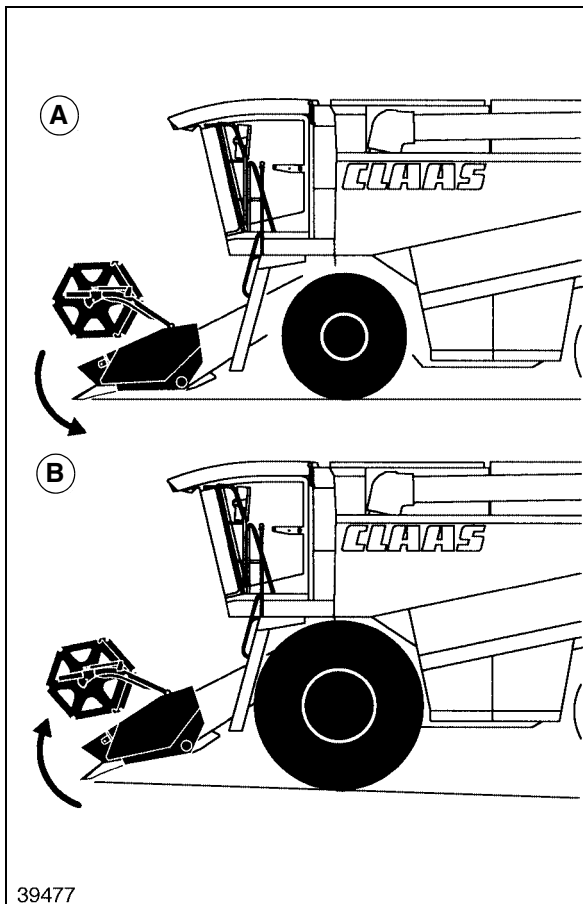


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ADDITIONAL HEADLIGHTS

Description of parts	Quantity
1 Push button green.....	1
2 Push button red.....	1
3 Light bracket, left.....	1
Light bracket, right.....	1
4 Hexagon head bolt M 8 x 55 ISO 4014-8.8.....	2
Contact washer A 8.....	2
Hexagonal nut M 8.....	2
5 Hexagonal caps	4
6 Headlight	2
7 Cable set.....	2
8 Rubber grommet.....	2
9 Cable tie	8
10 Rotary switch (selector switch)	1
11 Knob.....	1
12 Inlay for knob.....	1
13 Rocker switch.....	1
14 Adhesive label.....	1

(Fig. 1)



CUTTING ANGLE ADJUSTMENT

Adjusting the cutting angle



Note!

The cutting angle can only be adjusted with the cutterbar removed from the machine.

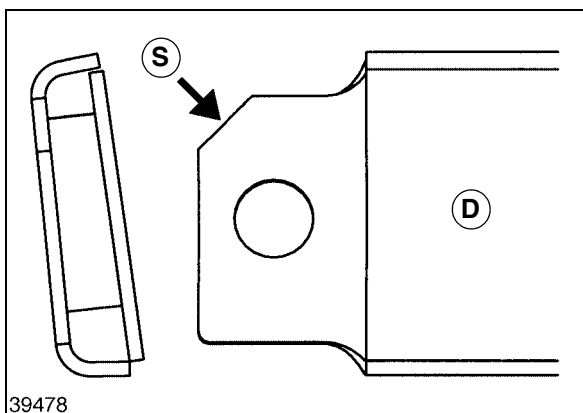
The cutting angle depends on the size of the tyres.

A = Lower the front of the cutterbar with smaller tyres and possibly on wet ground.

B = Raise the front of the cutterbar with larger tyres.

(Fig. 1)

1



Mounting the spacer bar

The front and rear surfaces of the spacer bar (D) are conical to each other.

The narrow side of the spacer bar is identified by the bevelled edge (S).

Machines with small tyres:
(front of the cutterbar lowered)

- Mount the spacer bar (D) at the bottom of the cutterbar so that the narrow side (S) faces downwards.

- Secure spacer bar at points (K) using lynch pins.

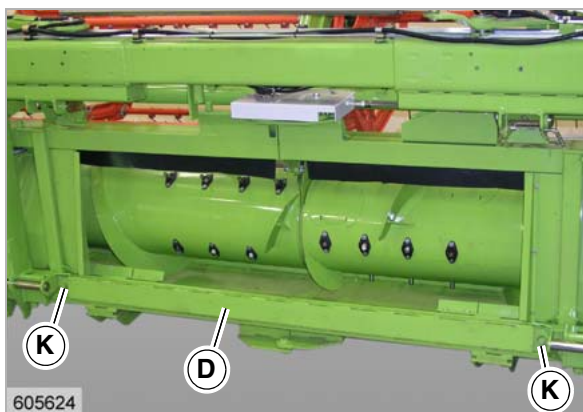
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Machines with large tyres:
(front of the cutterbar raised)

- Mount the spacer bar (D) at the bottom of the cutterbar so that the narrow side (S) faces upwards.

- Secure spacer bar at points (K) using lynch pins.

(Fig. 1, 2, 3)



3

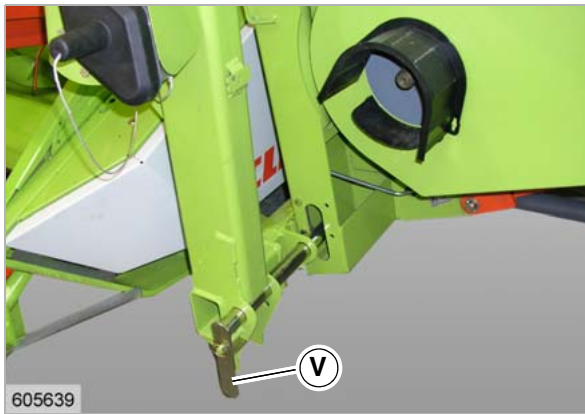
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Locking the cutterbar at top and bottom on both sides

Upper locks:

- see page 8.2.2, *Locking the coupling lug after fitting the cutterbar*

Lower locks:

- Push the locking pins (V) inwards, and secure them with linch pins.

(Fig. 5)

- Drive the combine harvester up to the cutterbar until the coupling lugs on the feeder housing are located under the coupling brackets of the upper cutterbar beam.
- Slightly raise the cutterbar by actuating the hydraulic control unit.



Danger!

Stop the engine and switch off the battery isolating switch!



6

- Pull out the pins (E), and rotate the locks to the rear.
- Reinstall the pins (E), and secure them.
 - see *Cutting angle adjustment* on page 8.2.1.
- Lock the cutterbar at the bottom on both sides. Push the locking pins (V) inwards, and secure them with linch pins.

(Fig. 5, 6, 7)



7

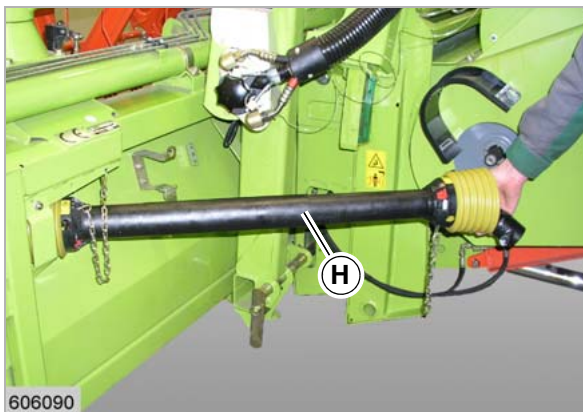


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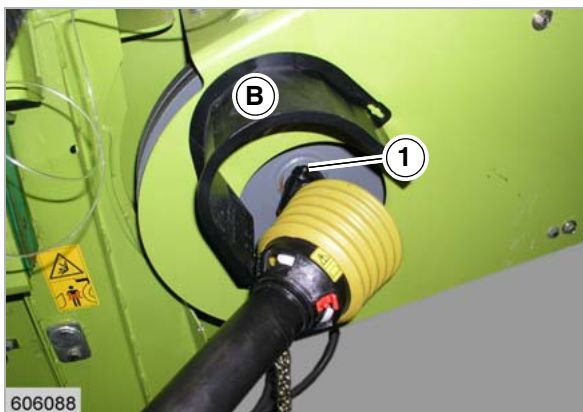
Connecting the universal drive shafts:

- Remove universal drive shaft half (H) from the retainer, and push it onto the universal drive shaft of the cutterbar.

(Fig. 23, 24)



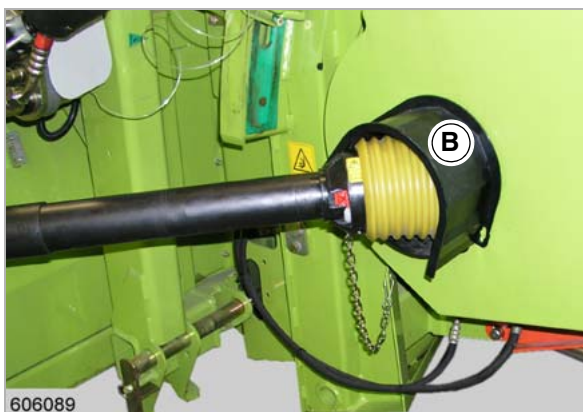
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25

- Open guard (B) on the feeder housing.
- Push in the locking pin (1) of the universal drive shaft.
- Push the drive shaft onto the transmission shaft, and make sure that the locking pin engages securely.
- Close guard (B).

(Fig. 25, 26)



26

- Repeat the procedure on the other side.
- (Fig. 26)

ADJUSTMENTS ON THE CUTTERBAR

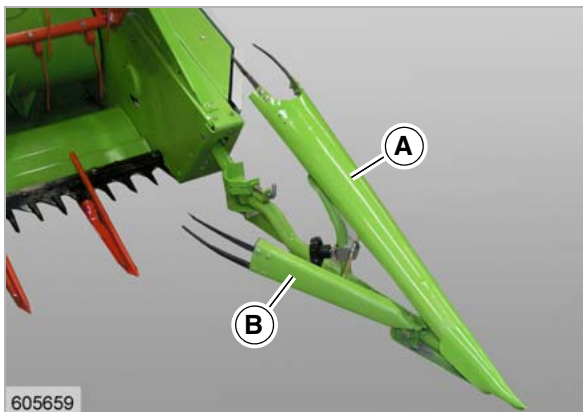


Danger!

Due to their function, knives, cutterbar, intake auger and reel etc. cannot be completely shielded by constructional measures.

For this reason, an adequate safety distance must be maintained to these moving elements during operation!

For all work underneath the raised cutterbar, the raised reel or the feeder housing, the safety locks on the reel cylinders and the cutterbar cylinders must be in place.



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1

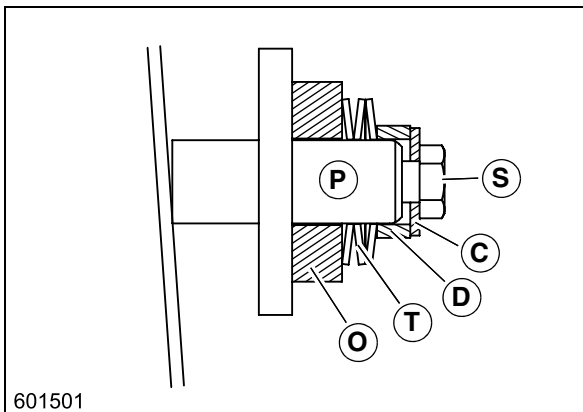
Crop dividers

The crop dividers consist of divider plates (A) and inner deflectors (B). Additionally, an outer deflector plate (C) may be fitted.

- If required, mount the crop dividers on stud (P) using hexagon bolts (S), contact washer (C) and three Belleville spring washers (T).

The crop divider is foldable, and can remain mounted also in the transport position.

(Fig. 1, 2, 3)



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2

- S = Hexagon bolt M 12 x 35 ISO 4017-8.8
- C = Contact washer B 12
- D = Spacer
- T = Spring washers (3 per side)
- O = Divider support tube
- P = Stud

(Fig. 2)



Danger!

Risk of injury when rotating the plate (T).
Steady the plate (T) with a spanner.

Replace and retighten the screws after adjustment.

Adjustment can only be done with the cutterbar in the transport position.

(Fig. 25, 26, 27)

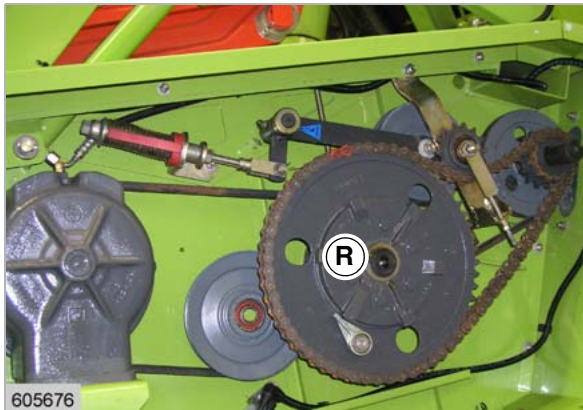
Safety feature

The feed augers are protected from overload by slip clutches (R).



Attention!

Do not adjust the slip clutches so tightly that they block and fail to provide a safety function.

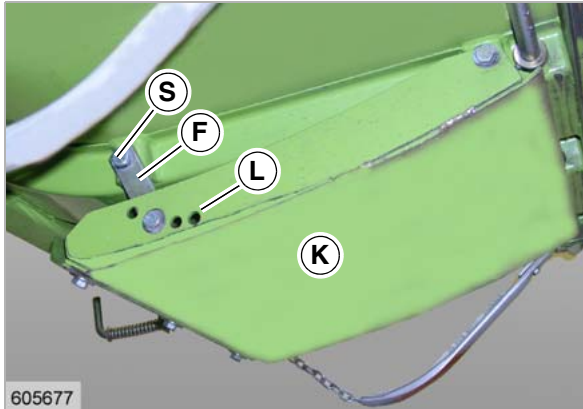


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28

See Specifications for the slip clutch torque settings.

(Fig. 28)



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29

Cutterbar skids

Cutterbar skids (K) are height-adjustable.

Proper adjustment of skids depends on the tyre size.

Extend the skids as far out as possible.

Working in grass:

If necessary, the skids can be retracted completely, for example on lodged grass.

To do this, proceed as follows:

- Unbolt the flat bars (F).
- Fully raise the skids.
- Place flat bars (F) into the skids.
- Reattach skids in holes (L) using bolts (S) and flat bars (F).

Extend the skids again as soon as possible.

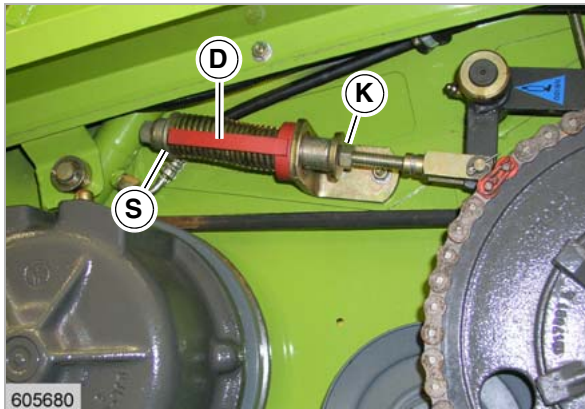
(Fig. 29)

SPRING-LOADED CYLINDERS / DRIVE CHAINS / INDUCTIVE SENSORS

Adjusting the spring-loaded cylinders for knife drives

- Loosen the lock nut (K), and adjust the spring guide tube so that the end of the gauge rod (D) is flush with the washer (S).
- Retighten the lock nut (K).

(Fig. 1)



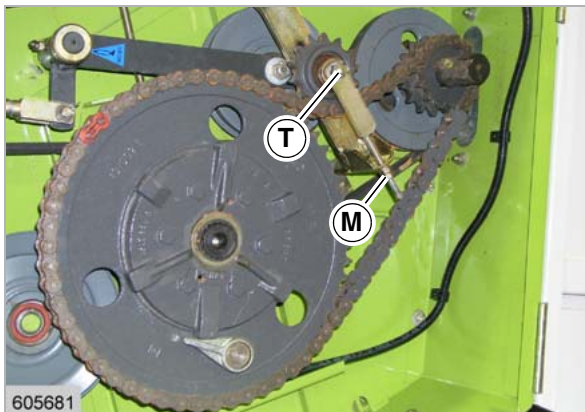
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Tensioning the drive chains

The drive chain can be tensioned by means of the chain tensioner (T).


- For tensioning, loosen the clamping bolt of the sprocket.
- Adjust the chain tensioner (T) with the nuts (M).
- Retighten the clamping bolt after adjustment.

(Fig. 2)



2


LUBRICANTS AND NOTES




Grease brand name

Examples:
Manufacturer Description

FINA	"Marson EPL 2"
ARAL	"Aralub HLP 2"
FUCHS	"Renolit EP 2"
SHELL	"Retinax EP 2"
	or "Alvania G3"
DEA	"Glisando EP2"
AVIA	"Avilup Special grease EP"
FAG	"Arcanol L 135 V"
SKF	"LGEP2"



Remove humped cover plate



See the lubrication intervals recommended by the PTO shaft supplier

h  **100**

Every 100
working hours

h  **250**

Every 250
working hours

a-h  **500**

Once per year
(500 operating hours)

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