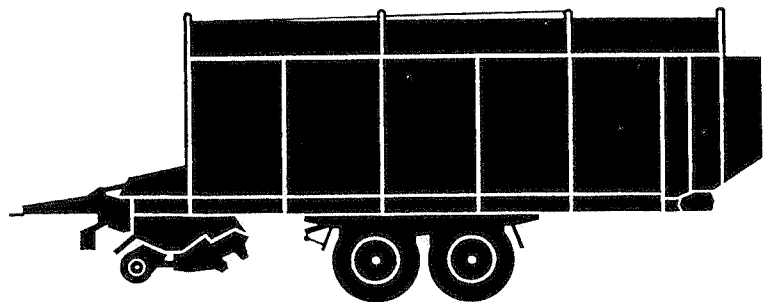


OPERATOR'S MANUAL

CLAAS



CLAAS SPRINT
5000 S-16 / 5000 S / 4000 S

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Safety Decals with Warning Symbols

Safety decals with warning symbols are placed in all danger areas of the machine. The symbols are intended to help the operator to perceive a danger of injury and to prevent accidents.

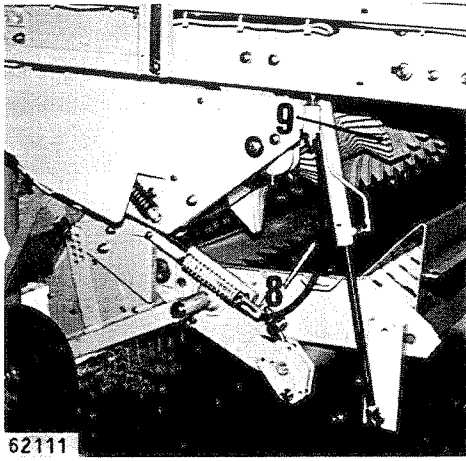
The location of the decals on the machine and their wording is stated on the following pages.

The CLAAS spare part number is quoted before each description.

The figures in brackets refer to the location of the decals shown in the figures.

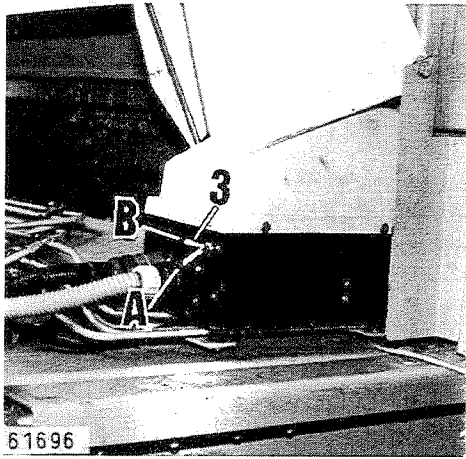
PRIOR TO OPERATION CHECK LIST AND INSTRUCTIONS

1. The tractor must be equipped with a double acting control valve or a single acting control valve with return pipe.
2. Brake system of the forage wagon:
The forage wagon is equipped with one of the two following brake systems depending on the traffic regulations:
 - Air brake system (dual circuit system)
 - Hydraulically operated brake system.The brake system of the tractor must match the brake system of the wagon.
3. Check the brakes before every journey.
4. Check the oil level in the gearboxes.
5. Thoroughly lubricate the wagon before operation.
6. Check bolts for tightness.
7. The tractor pto speed **MUST** be 540 rpm or 1000 rpm.
8. Engage the pto only with the tractor engine running at idling speed.
9. After having hitched the wagon to the tractor and coupled the pto drive shaft check that there is sufficient clearance for the drive shaft by carefully steering the tractor to both sides.
10. Attach the safety chain to prevent the drive shaft guard from rotating.
11. Before the first operation attach the three-pole socket for the power supply cable to the tractor.
12. Route the black 6 mm² cable with 16 Amp. in-line fuse towards the tractor battery (or towards the starter if the cable cannot be connected to the battery). Make sure that the cable connectors are securely attached to the terminals. Connect the brown earth cable to the chassis of the tractor.
13. Connect the 7-pol plug for the lighting equipment to the respective socket on the tractor.
14. Check wheel nuts for tightness (see Technical Data for tightening torques). Check the inflation pressure in the tyres and correct as necessary (see Technical Data).
15. After every installation of a wheel, retighten the wheel nuts after the first 10 operating hours and check wheel nuts for tightness every 50 operating hours (see Technical Data for tightening torques). For the installation of a wheel use a jack whose lifting capacity matches the total weight of the wagon.
16. Check tension and state of the drive chains.
17. **NEVER** leave the forage wagon unattended as long as the tractor engine is still running.
18. Be sure that there are no loose parts on the vehicle before moving on. Parts that might get lost must be fixed or covered.
19. Ensure all persons stand clear of the danger area. If anyone should approach the danger area switch off the forage harvester until immediately.
20. The forage wagon is subject to registration.



For performing repair work or removing the rotor the knife frame can be lowered completely (see fig. 7). To this end keep push button (D) pressed for further 8-10 seconds when position A is reached.

IMPORTANT! The knife frame has to be closed very carefully and slowly when it was completely lowered. When folding up the fram make certain that the cutting knives (8) do not bottom against the rotor tines (9) (fig. 7).

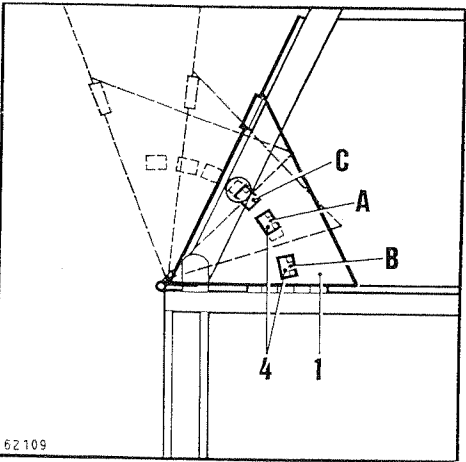


Automatic Loading Device

The automatic loading device can be set to suit the kind of forage. Two different filling modes are possible depending on the position of toggle switch (3) in the central electrics (fig. 8).

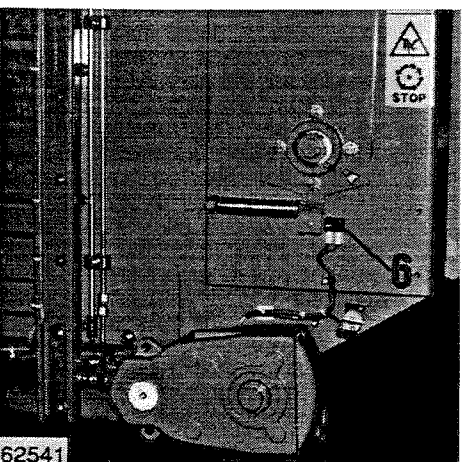
Position A (e.g. for loading green forage and silage): floor conveyor is switched on when switch (A) is operated (fig. 9).

Position B (e.g. for loading dry forage): floor conveyor is switched on when switch (B) is operated (fig. 9).



Function:

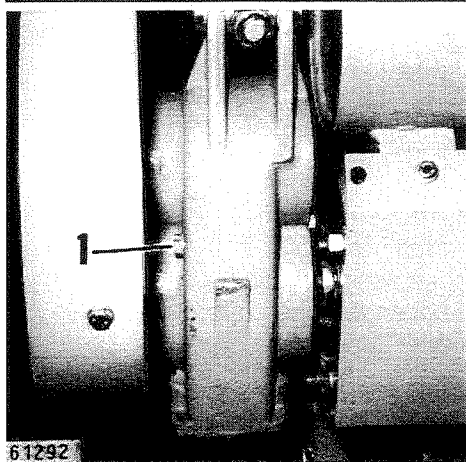
During loading the front part of the load space is filled first. When the crop lifts flap (1), switch (4) is activated and the floor conveyor starts running at the preselected speed. The floor conveyor will run until flap (1) lowers again and switch (C) is operated (fig. 9).



This loading sequence ensures an even filling degree of the load space.

When the crop reaches the lower proportioning roller, same is slightly forced to the rear and activates switch (6) which will cause the floor conveyor to be stopped.

The red indicator light (G) on the control panel will flash and the floor conveyor is automatically switched off (fig. 10).



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Shredder Drum Drive

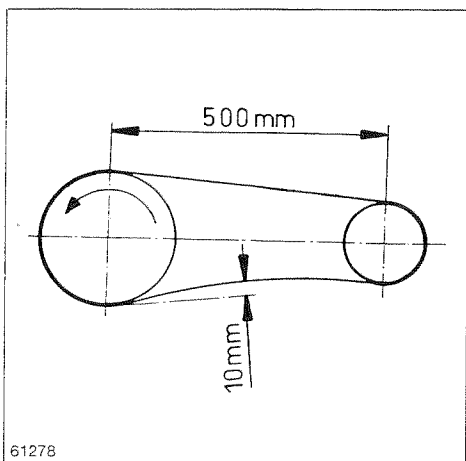
For the lubrication of the main gearbox use only hypoid transmission oil SAE 90 conforming to (MIL - L - 2105 B) API - GL - 5 - 90.

Gearbox capacity: 0.75 litres.

1 = Oil filler and oil level check plug

Oil change:

When putting the forage wagon initially into service or when the gearbox has been overhauled, change the oil after the first 30 working hours and thereafter every 500 working hours (fig. 13).



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Tensioning the Drive Chains

Check all chains for correct tension after the first 10 operating hours.

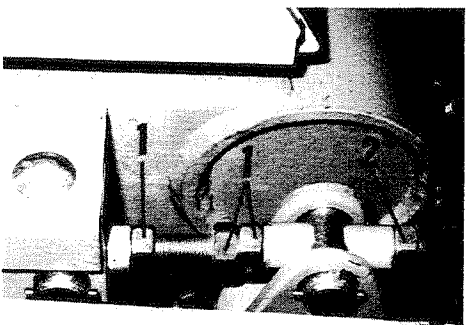
Check chain tension also regularly during the subsequent use of the wagon.

To check the tension find the centre point of the slack side of the chain between the sprockets. With the tight side slightly under load, push in the centre point of the slack side with the thumb. The tension of a steel roller chain is correct when its slack side deflects about 2% of the centre distance between shafts.

Example:

Distance between the centres of the shafts = 500 mm
2% = 10 mm

(Fig. 14)



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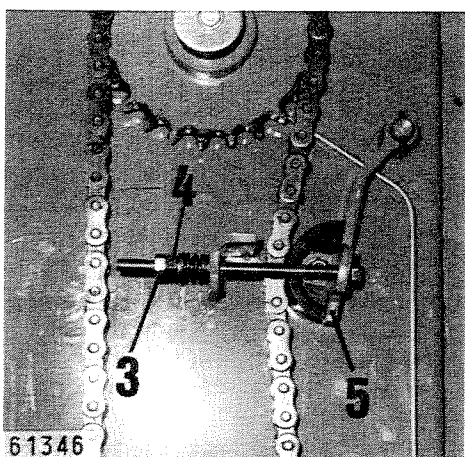
Tensioning the Drive Chains of the Proportioning Rollers

Drive chain gearbox - bottom proportioning rollers:

To tension the chain release lock nuts (1).

Adjust the tension by turning the adjusting spindle (2).

Tighten lock nuts after tensioning the chain (fig. 15).



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Drive chain bottom proportioning roller - top proportioning roller:

To tension the chain unscrew the chain guard.

Release lock nut (3) and re-adjust chain tensioner (5) using nut (4).

Tighten the lock nut after tensioning the chain and re-install the chain guard (fig. 16).

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