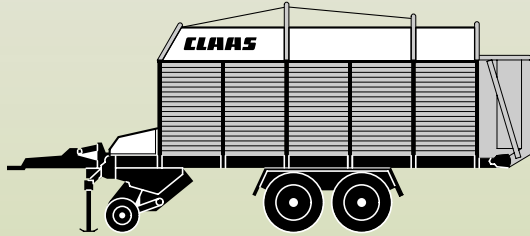


CLAAS



QUANTUM 6800 P
QUANTUM 6500 P
QUANTUM 5500 P-18 / P-16
QUANTUM 5500 GT
QUANTUM 5500 P
QUANTUM 4500 P

Operator's manual

SERVICE & PARTS

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Operating on public roads

Before operating on public roads the trailer must be correctly connected to the towing vehicle, the lights must be connected and function of the lighting equipment must be checked. If the trailer has an air brake the brake lines and the breakaway rope (breakaway brake) must be connected if an automatic overrun brake is installed.

All requirements specified in the copy of the operating permit and vehicle registration must be observed.

If any parts of the self-loading forage wagon are modified that are of a specific composition or could endanger other road users, the operating permit becomes invalid and a new operating permit must be obtained. The self-loading forage wagon should be taken to the appropriate vehicle testing centre to be issued with the required certificate (§ 19 Abs. 2 StVZO) (Road Transport Licensing Order).

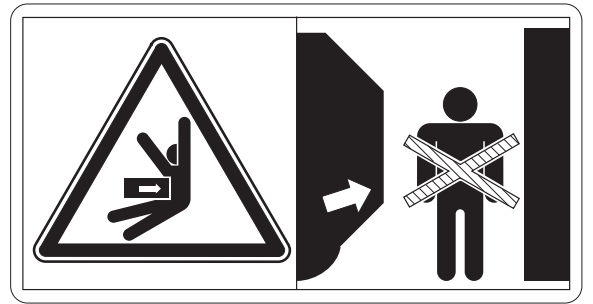
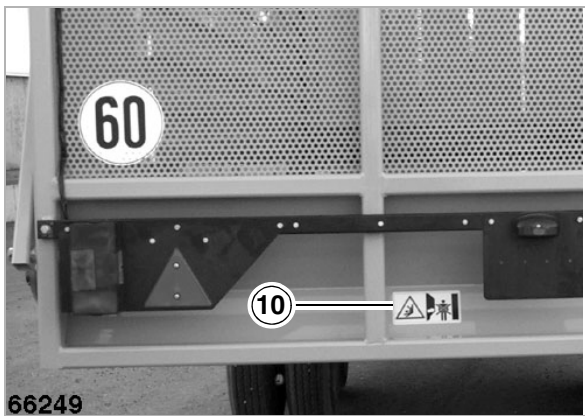
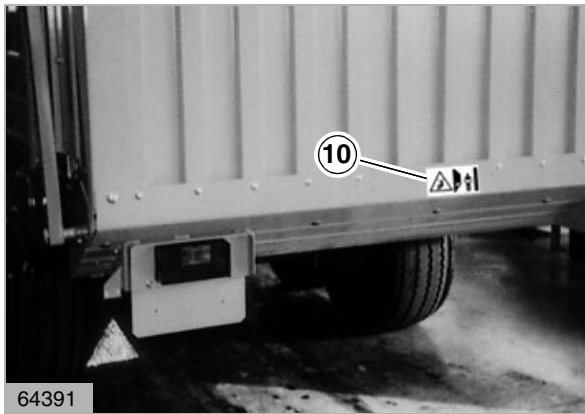
If there is any doubt as to whether this is required, please contact us.

Number plate

- to 25 km/h: Trailers must be fitted with a number plate issued to the vehicle owner for one of his vehicles (unofficial number plate).
- over 25 km/h: Trailers must be fitted with an official number plate with a valid inspection sticker.

Regular inspection as required by law

- to 25 km/h: Not required
- over 25 km/h: Major inspection every 12 months, minor inspection every six months, special brake inspection every 12 months.



29

Warning symbol 514 886.1 (10)

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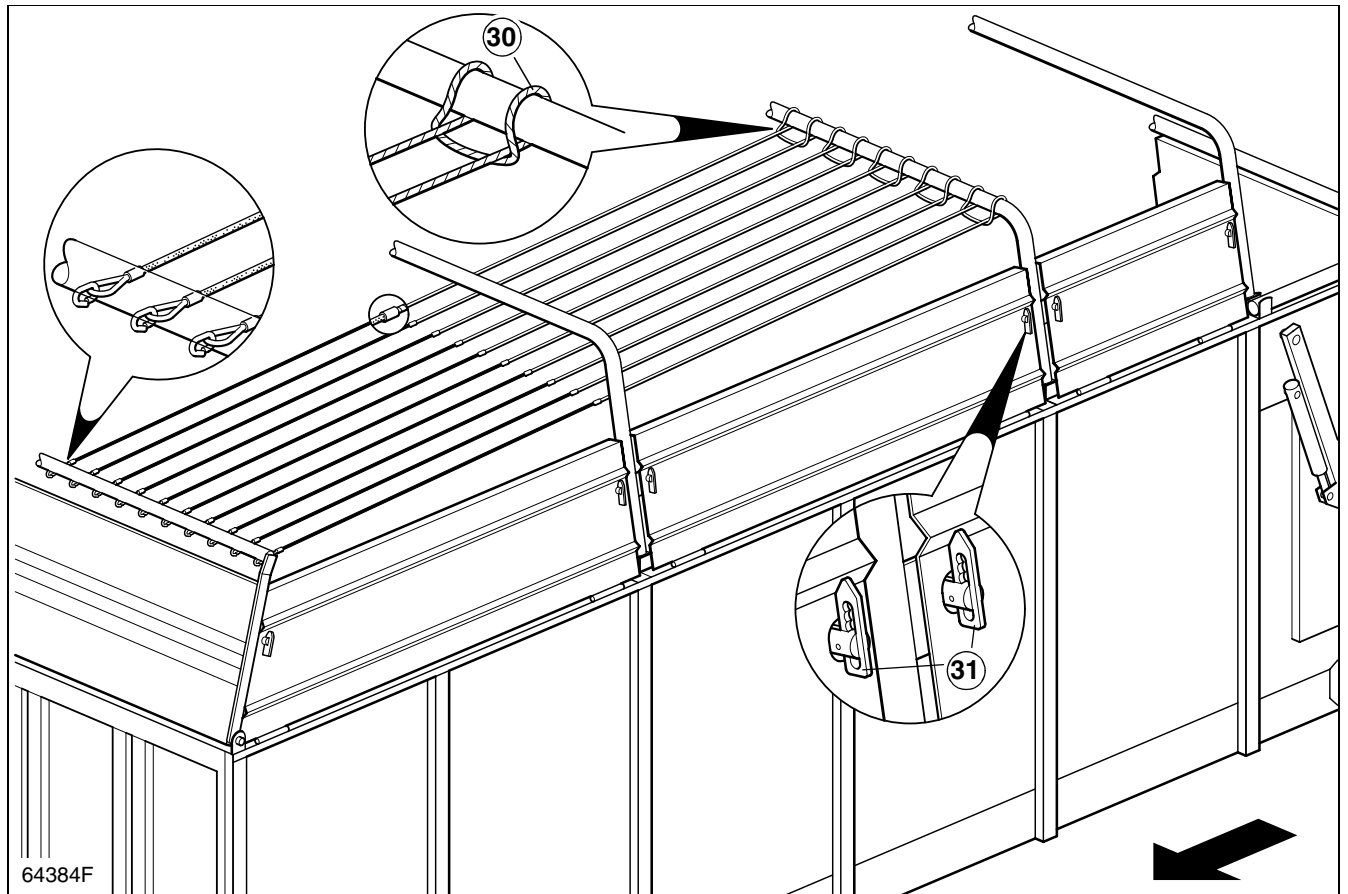
Always keep well clear of the path of the tailgate when the tractor engine is running.

(Fig. 25, 26, 27, 28, 29)

26

27

28



5

QUANTUM 5500 P-16 / 5500 GT / 5500 P
up to serial no. 615 0 2366

Lift hoop and foldable hinged plates. Lock hinged plates with the journals (31).

Wind tension ropes (30) around the hoops at the rear and attach at the front to the hooks of the bracket.

(Fig. 5)

8 Before Operation

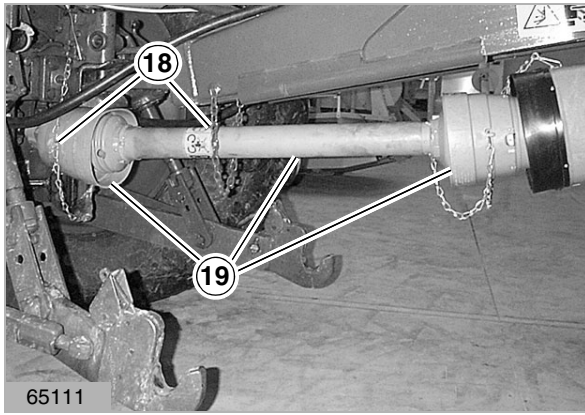
**DANGER!**

Always work on the machine with the engine switched off.

- Switch off engine.
 - Remove the ignition key.
-

CHECK AND OBSERVE THE FOLLOWING BEFORE OPERATION

1. Check or perform the working steps “Coupling machine for the first time”, page 7.14 if necessary.
2. The tractor must be equipped for operation with a single acting return valve with return or a double-acting control valve.
3. Brake system of the self-loading forage wagon:
 - The self-loading forage wagon can be fitted with one of the two different types of brake systems (depending on the local traffic regulations):
 - “Dual-circuit air brake”,
 - Hydraulically operated brake system.
 - The tractor brake system must be of the same type as, and be matched to, that of the self-loading forage wagon.
 - Self-loading forage wagons with an approved maximum speed over 60 km/h are equipped with an ABS air brake system.
 - Connecting power supply for ABS air brake system – see *ABS air brake system*, page 8.14.
4. Check the brakes before every journey.
5. Check that the hydraulic system of the forced steering system is at operating pressure and is running straight before every operation – see *Coupling the forced steering system (optional equipment)*, page 8.7.
6. Check oil level in the gearboxes.
7. Check the tension and state of the drive chains.
8. Check the functioning and tightness of the safety features (e.g. overload clutches, coverings of driving parts. ...).
9. Thoroughly lubricate the self-loading forage wagon before operation.
10. Check that all bolts and screws are tight.
11. Observe maximum PTO speed – see *Specifications*, page 6.1!



19



DANGER!

Never use universal drive shafts without guards or with damaged guards (19) – risk of injury!

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



ATTENTION!

Otherwise damage or increased wear of drives may occur.

- Always engage the PTO shaft slowly to save the drive mechanism.
- Observe the recommendations of the PTO shaft manufacturer.

Attach the safety chains (18) for the shaft guard to the hook on the drawbar and tractor.

(Fig. 19)

Note the maximum shaft angles!

Wide-angle synchronism joint:

Under continuous operation	25°
Under short-term operation	45°
At standstill	90°

The 6-part 1 3/4 inch yoke for the universal drive shaft for the QUANTUM 6800 P and 5500 P-18 self-loading forage wagons has the following order number: 0814 874.0

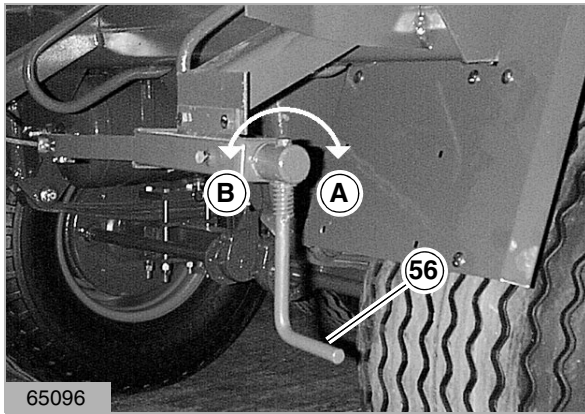
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Parking brake



DANGER!

When the self-loading forage wagon is uncoupled, it may roll away. Before uncoupling the self-loading forage wagon secure it to prevent it from rolling away.

- Set parking brake.
- Secure the self-loading forage wagon against rolling away with the wheel chocks.

Setting brake

Turn crank (56) in direction of rotation (A).

Releasing brake

Turn crank (56) in direction of rotation (B).

After operating the parking brake swing the crank (56) in.

(Fig. 37)

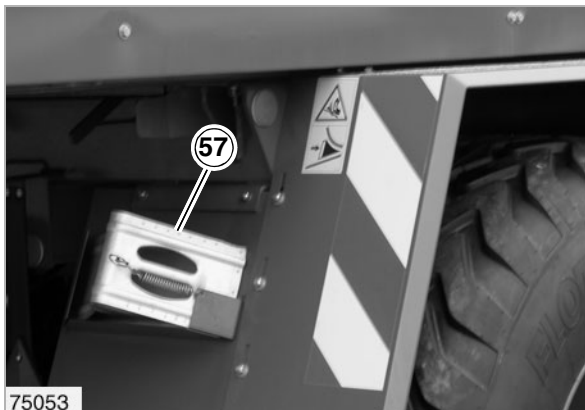
Wheel chocks

The wheel chocks (57) are located in the right and left wings of the self-loading forage wagon.

The wheel chocks must always be carried.

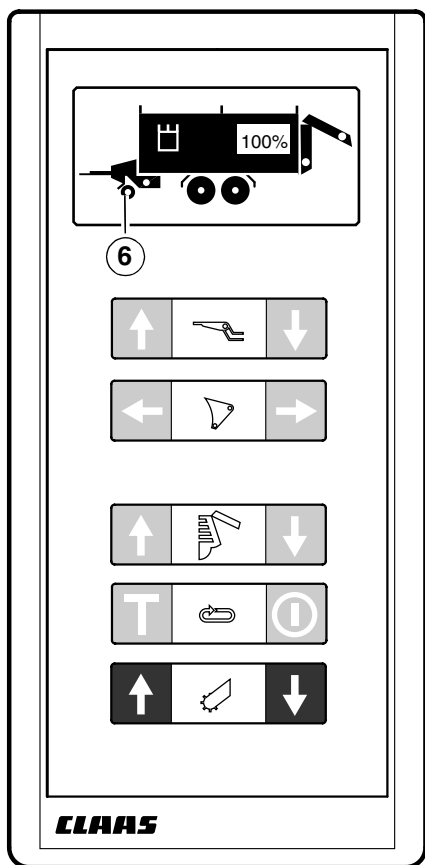
Secure the self-loading forage wagon against rolling away with the wheel chocks.

(Fig. 38)



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LOADING OPERATION

Lowering and lifting the pick-up



Press this button. Pick-up lowers and remains in floating position. Indicator light (6) on control unit is green.

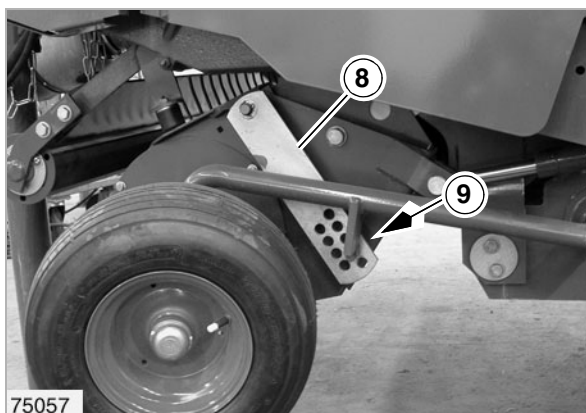


Press this button. Pick-up is lifted.

(Fig. 4)

4

QUANTUM 6500 P / 5500 GT / 5500 P / 4500 P



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Preselecting the working height of the pick-up



DANGER!

The pick-up can be switched on from the tractor. Beware of rotating spring tines.

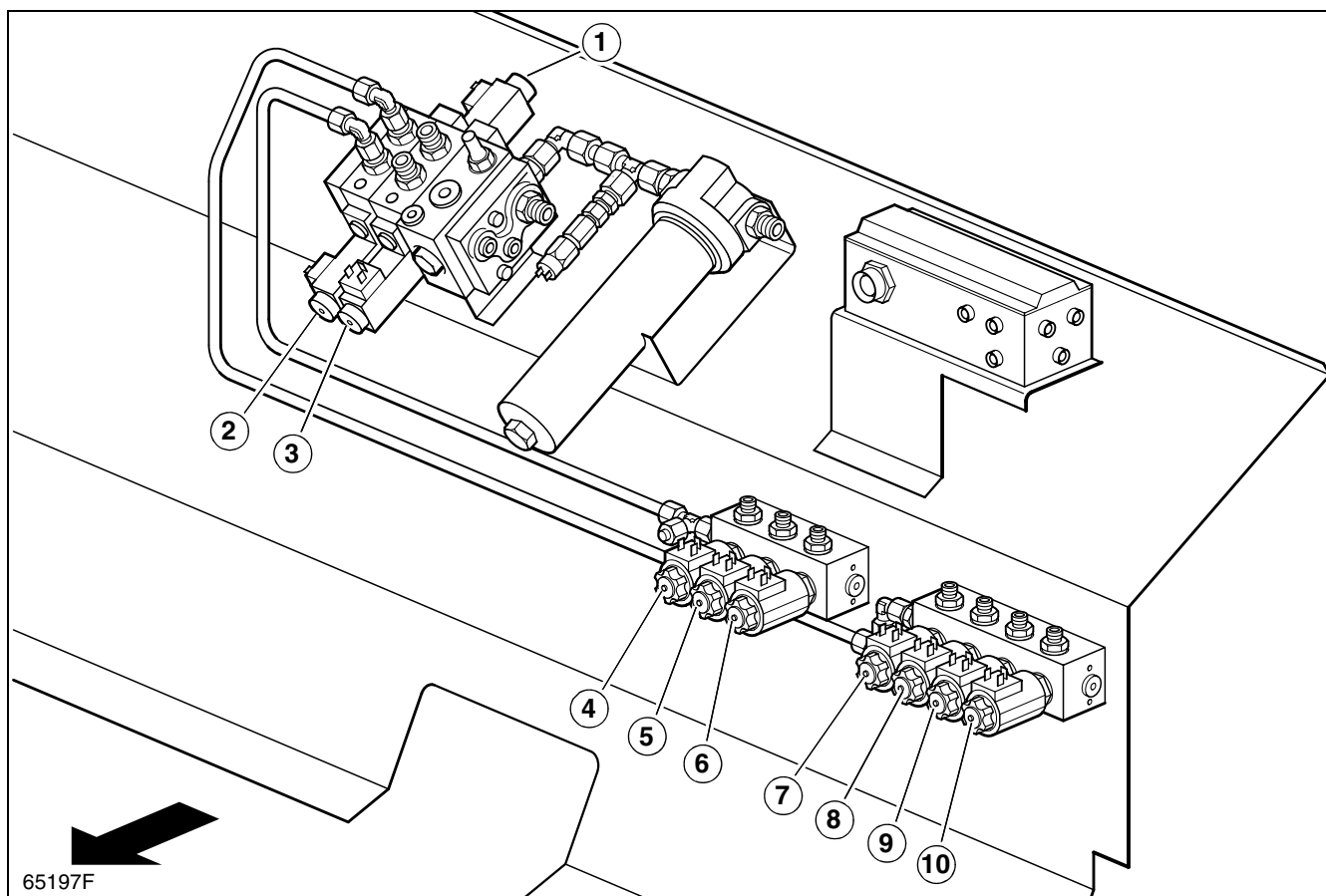
Before working on the pick-up:

- Switch off engine.
- Remove the ignition key.

5

To preset remove the plug (9) and attach the relevant hole of the perforated strip (8) to the pin. Set right and left gauge wheels to the same height.

Tines should be 10 - 20 mm off the ground depending on the crop, stubble height and ground contours.



EMERGENCY CONTROL

17



DANGER!

Beware of crush and pinch zones and rotating machine parts. Emergency control must be carried out with the tractor engine running. A second operator is required to sit on the tractor and to switch off and stop the hydraulic system and engine immediately in case of emergency. When operating the valves manually:

- Disengage the PTO shaft.
- Maintain sufficient clearance from movable parts (pick-up, hydraulic articulated drawbar ...).
- In case of emergency switch off hydraulic system immediately.
- Switch off engine and remove ignition key.

If the electrical system fails the self-loading forage wagon can be operated with the various valves.

Refilling and bleeding the forced steering system



DANGER!

The drive and the engine must always be switched off when working on the self-loading forage wagon.

- Switch off engine.
- Remove the ignition key.

Only work under the self-loading forage wagon when it is securely supported.

- Secure self-loading forage wagon with suitable supports.
-



ATTENTION!

To prevent air entering the system the hand pump must always be filled with hydraulic oil and only one breather may be open at a time.

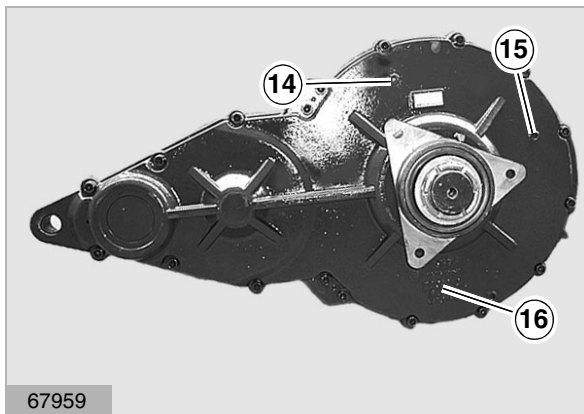
- Check the oil level in the hand pump with the sight glass (8) (Fig. 6) regularly.
 - Add hydraulic oil if necessary.
 - Never open more than **one** breather.
-



ENVIRONMENT!

Catch draining oil and dispose of properly.

Only technicians with special knowledge and experience with the hydraulic system of the self-loading forage wagon may work on the hydraulic equipment. Assembly work on the hydraulic system must be carried out by authorised workshops, if possible your CLAAS partner.



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QUANTUM 6800 P,
QUANTUM 5500 P-18 (from serial no.: 615 0 2202)
(gearbox part no.: 973 301.1)

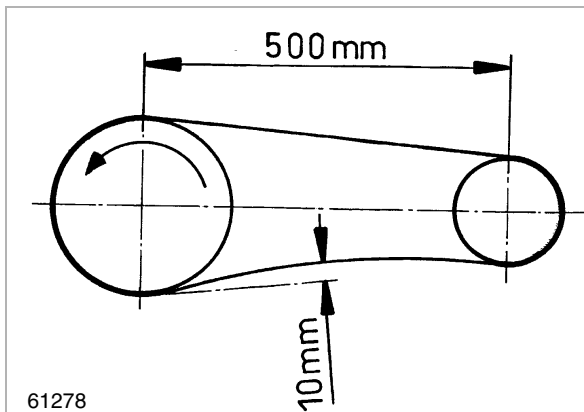
Filling capacity: 8.0 litres

14 = oil filler cap

15 = oil drain plug

16 = oil level check plug

(Fig. 27)



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28

CHAINS



DANGER!

The drive and the engine must always be switched off when working on the self-loading forage wagon.

- Switch off engine.
- Remove the ignition key.

Only work under the self-loading forage wagon when it is securely supported.

- Secure self-loading forage wagon with suitable supports.

Tensioning the drive chains

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

Check the tension regularly while the self-loading forage wagon is in use.

Steel roller chains are correctly tensioned when the slack side, with the tight side slightly under load, can be pulled down with the thumb by about 2% of the centre distance between the sprockets.

Example: Axle distance 500 mm
2 % = 10 mm.

(Fig. 28)

TYRES



DANGER!

Damaged tyres may lose pressure suddenly during operation and cause the machine to lose control. This also endangers stability, particularly when driving on slopes!

- Check tyres for damage and pressure loss regularly.
- Tyres must be repaired by qualified technicians with suitable equipment only.

Avoid an excessive inflation pressure.
Danger of bursting!

- Stand clear of the tyre when inflating.
 - Use **only** compressed air to inflate tyres.
 - Do not exceed maximum permissible air pressure.
-

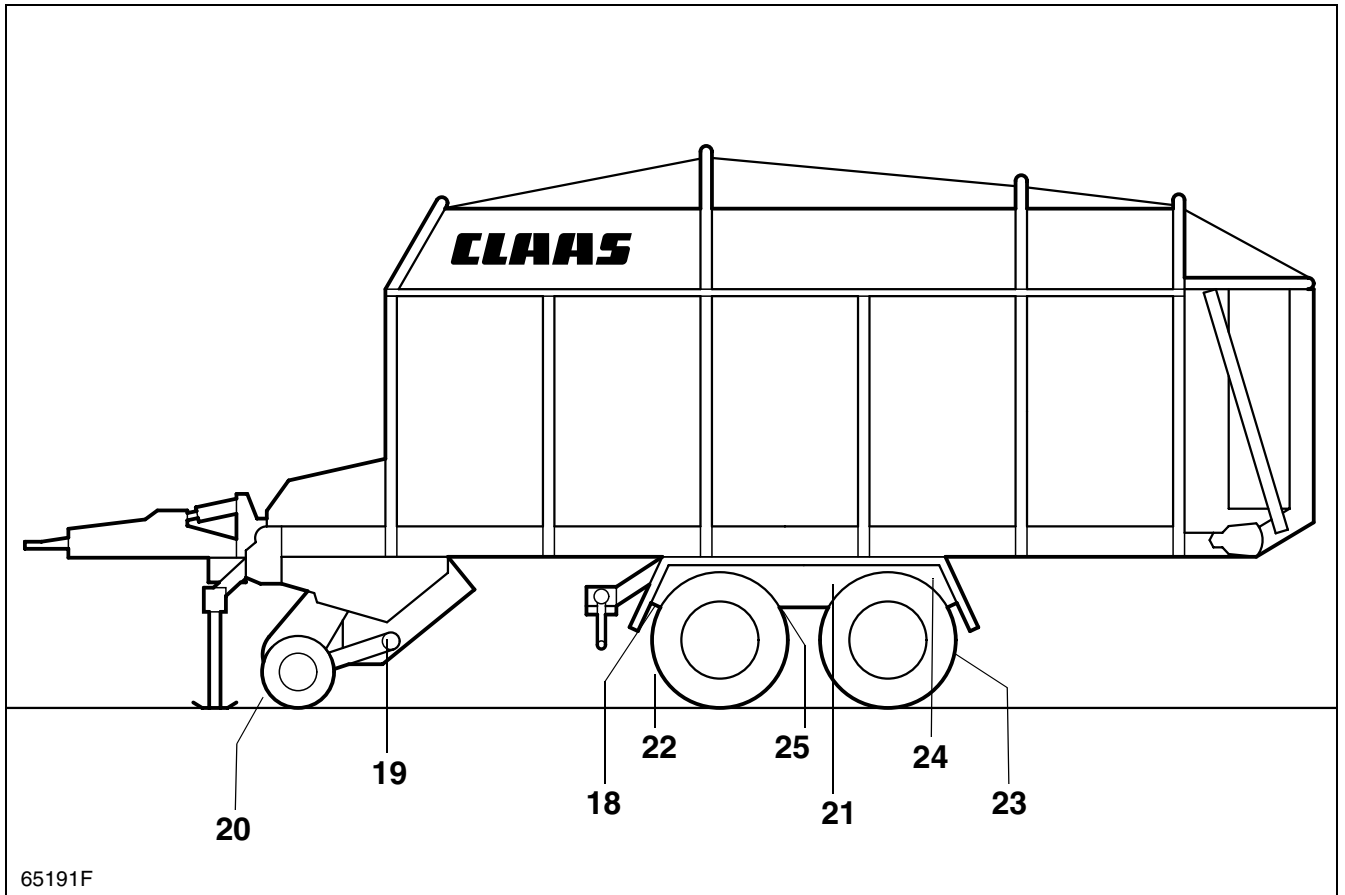
Check the tyre pressure regularly.

Do not exceed the specified air pressure.

Approved air pressure – see *Specifications*, page 6.1.

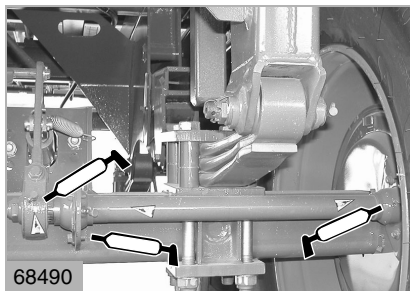
After every wheel change tighten the wheel nuts or bolts after 10 hours of operation and then check the tightness every 50 working hours.

Tightening torques – see *Specifications*, page 6.1.



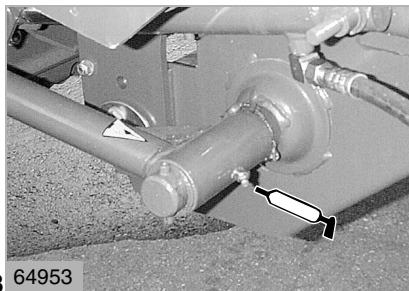
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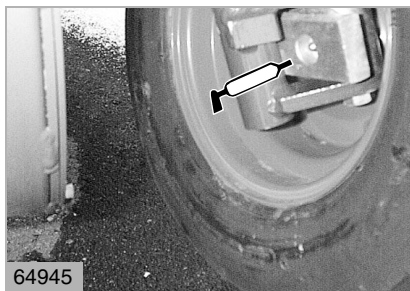
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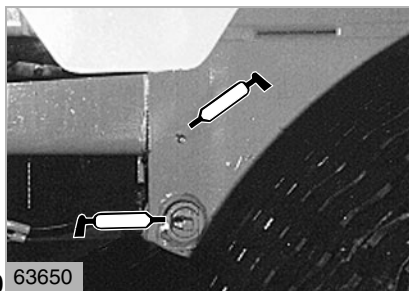
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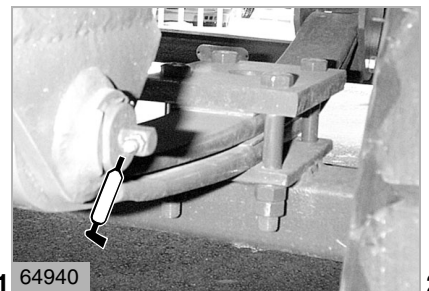
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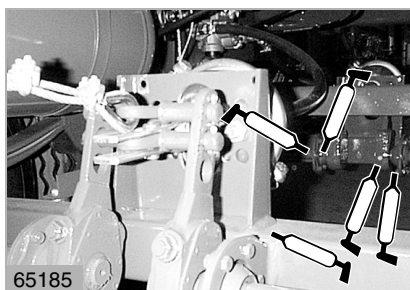
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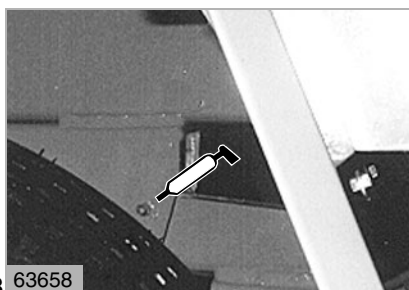
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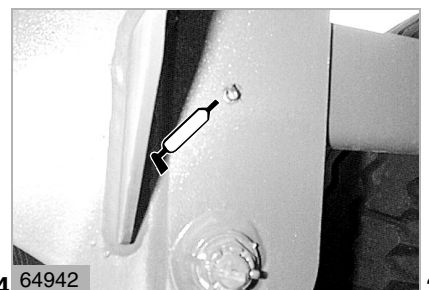
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