OPERATOR'S MANUAL

FCT 1260 FCT 1460 Harvester



FOREWORD

DEAR CUSTOMER!

We appreciate the trust and confidence you have shown in our company by investing in a KONGSKILDE product, and hope your new machine gives you many years of reliable service. We want you to be completely satisfied with your investment.

This user manual contains information which when followed will ensure that the machine is used safely and correctly.

When your machine was delivered, your dealer will have gone through the machine's operation, settings and maintenance with you.

However, this initial introduction is no substitute for a thorough understanding of the various operations, functions and correct use of the machine.

You should therefore read this user manual thoroughly before using the machine for the first time. Please pay particular attention to the safety references that are given, as well as the section on safety.

The user manual is structured so that comprehensive information is provided in the order in which you will logically need it when you receive your new machine, covering everything from essential operating conditions via operation and use to maintenance and general care. The subdivision of the various sections also follows the procedural sequence, illustrated using sequential diagrams with associated text.

"Right" and "Left" are defined from a position standing behind the machine facing the direction of travel.

All information, diagrams and technical specifications in this user manual describe the most recent conditions at the time of publication.

Kongskilde Industries A/S reserves the right to alter and improve the design and construction of each individual component of the machine without any obligation to implement such changes on machines that have already been delivered.

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1. INTRODUCTION

INTENDED USE

The precision chop forage harvesters FCT 1260 and FCT 1460 are solely designed and manufactured for ordinary agricultural use, i.e.: Ordinary operation in fields where green crops are being cut/collected, e.g. maize, grass or whole crops used for silage production and intended for use as cattle fodder.

The machine should only be coupled to a tractor that both meets the product specifications and can be used lawfully.

Any other use lies outside the intended use. Kongskilde Industries A/S accepts no responsibility for any indirect loss or injury as a result of such use, and the risk shall lie exclusively with the user.

It is assumed that the machine will be used under reasonable conditions, i.e. that the land has been cared for normally and has been adequately cleared of any foreign objects, etc.

"Intended use" also means that the information provided by Kongskilde Industries A/S in the user manual and spare parts catalogue is followed, and that good agricultural practice and technically correct operation is a matter of course.

The precision chop forage harvesters FCT 1260 and FCT 1460 must only be used, maintained and repaired by persons who are familiar with the machine concerned through relevant instruction and reading the user manual, and in particular who have been informed of the hazards associated with the use of the machine.

The following text provides a list of general and special safety instructions that must be followed at all times.

Unauthorised modifications to the machine and its construction shall exempt Kongskilde Industries A/S from all forms of liability in the event of any resultant damage or injury.

PERFORMANCE

The precision chop forage harvesters FCT 1260 and FCT 1460 offer highly versatile performance, which, when used with the correct equipment, enables grass and whole crops to be chopped.

The FCT 1260 and FCT 1460 have a high capacity compared with other similar products because of the "DIRECT CUT" system that they use. "DIRECT CUT" minimises power loss when cutting the material, thus ensuring maximum utilisation of the available tractor power.

However, capacity is difficult to define and compare, as the capacity of a forage harvester will be dependent not only on the type of crop being harvested, but also on the way the crop has been treated prior to being harvested or cut by the machine, in addition to the cutting length used by the machine.

In practice, it is desirable to operate the forage harvester in the highest possible tractor gear without causing frequent blockages. However, the quantity of grass in a field will always vary, for instance where the mower conditioner has had to turn or change forward speed or direction of travel. Therefore, it is often appropriate either to drive with a power reserve so that the machine will not become blocked, or to continuously adapt the driving of the precision chop forage harvester to the conditions.

The pick-up unit and feed rollers are both protected from overloading. The pick-up unit is protected by means of a friction clutch, and the feed rollers with shear bolts in the drive shafts. In addition, the entire feed intake section is protected against the blocking of the pro-tec coupling driving the harvesting gearbox. The precision chop forage harvester also has a reverse function, which allows blockages to be cleared without you having to leave the tractor seat.

Inexperienced users should start by increasing the speed of travel gradually until the pick-up becomes blocked, before then releasing the blockage by reversing and choosing a tractor gear at a suitably lower level to eliminate the risk of blockage.

However, it is not the intention that the clutch function of the feed rollers be released. The clutch adjustment of the pick-up must be reduced if this happens. The same applies if the main friction clutch between the tractor and the machine releases during normal operation. The machine is incorrectly adjusted if it is not the pick-up unit that becomes blocked.

The torque setting of the friction clutch of the pick-up unit can unfortunately sometimes be increased to the point when the main friction clutch between the machine and the tractor releases frequently. The main friction clutch is not designed to be released frequently, and is only intended to provide a starting shock or when foreign objects enter the machine. The same applies to the shear bolt clutch for the feed intake rollers. The main clutch simply cannot absorb the heat generated during these long releases. The power transmitted at the main clutch will be at least 10 times greater than the output required to drive the pick-up unit.

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Only the pick-up unit can be seen from the tractor, and it should therefore not be released until a blockage has occurred. The experienced user will be able to adjust the driving of the tractor to the amount of grass and thus use a smaller capacity reserve and, all other factors being equal, a higher output.

The cutting length of the precision chop forage harvester can be adjusted and adapted to the crop concerned. The cutting length is usually reduced when cutting maize and whole crops to ensure greater damage to the grains. Shorter cutting settings will naturally require more power, hence the output for maize and whole crops will be lower than for grass, although this is difficult to compare.

Similarly, the power requirement also increases as the blades become worn and the shearbar setting must therefore be altered. It will be necessary to grind the blades and adjust the shearbar during the season.

SAFETY

Many occupational injuries occur in the agricultural sector as a result of incorrect use of machinery and inadequate instruction. Personal and mechanical safety is therefore an integral part of Kongskilde's development work. **We want to protect you and your family as much as possible**, but to do this we need your wholehearted cooperation.

A precision chop forage harvester cannot be constructed in such a way that it guarantees the full safety of persons and operates efficiently at the same time. This means that it is very important that you as a user of the machine pay attention and use the machine correctly, and thereby avoid exposing yourself and others to unnecessary danger.

As mentioned previously, the machine is intended for one purpose only, namely:

The chopping of grass and other similar green crops for use as fodder.

It is assumed that the machine will be used under reasonable conditions, i.e. that the land has been cared for normally and has been adequately cleared of any foreign objects, etc.

The machine requires skilled operation, i.e. <u>you should read this safety and operating manual before coupling the machine to the tractor.</u> Even if you have had a similar machine in the past, you should still read the manuals; your safety is at stake after all.

You should never hand over the machine to anyone else until you have ensured that they possess the knowledge necessary.

DEFINITIONS

The machine's warning labels and user manual contain a number of safety notes. These notes describe specific precautions which we recommend you and your colleagues take in order to safeguard your personal safety as much as possible. We recommend that you read these safety instructions thoroughly and ensure that your employees do the same.



This symbol is used in the user manual with reference to personal safety either directly, or indirectly through maintenance of the machine.

CAUTION:

The word CAUTION is used to ensure that the operator follows general safety rules or the precautions described in the user manual in order to protect themselves and others from injury.

WARNING:

The word WARNING is used to warn against visible or hidden risks which could result in serious personal injury.

DANGER:

The word DANGER is used to specify precautions which must be taken by law in order to protect both yourself and others against serious injury.

GENERAL SAFETY RULES

The precautions with which the operator should generally be familiar are described briefly below.

- 1. Always uncouple the power take-off (PTO) shaft, engage the tractor's parking brake, and stop the tractor's engine and remove the ignition key before you:
 - lubricate the machine:
 - clean the machine;
 - disassemble any part of the machine;
 - Adjust the machine.
- 2. Always lock the wheels before working under the machine.
- 3. Do not start the tractor until everyone is at a safe distance from the machine.
- 4. Ensure all tools have been removed from the machine before starting the tractor.
- 5. Ensure all guards have been fitted correctly.

1. INTRODUCTION

- 6. Do not wear loose clothing or hair which could be drawn in by a moving part in the machine.
- 7. Always ensure that you wear suitable footwear to avoid falling.
- 8. Do not modify guards or work on the machine if a part of a guard is missing.
- Always follow statutory requirements concerning lights and safety labels when towing the forage harvester on public roads and at night.
- 10. Limit the transport speed to a maximum of 30km/h if the machine is not marked with another maximum permitted speed.
- 11. Do not stand near the machine while it is operating.
- 12. When attaching the PTO shaft, check that the RPM and direction of the tractor's shaft matches those of the machine.
- 13. Hearing protection should be worn if the noise from the machine is unpleasant or you will be using the machine for long periods in a tractor cab without sufficient sound insulation.
- 14. Never allow anybody to be on the machine during use or transport.
- 15. Never use the machine for any other purpose than its intended use.
- 16. Do not use the machine if there are children in the vicinity.
- 17. Never stand between the tractor and the machine during coupling and uncoupling.
- 18. Do not feed material into the cutting unit using your hands or feet while it is operating.
- 19. Do not attempt to remove material from the cutting unit while it is operating.
- 20. The PTO shaft must first be fully disconnected if material is to be removed from the forage harvester. Turn off the engine and remove the ignition key.

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LOCKING OF GUARDS

All hinged guards on the machine are fitted with a lock. These locks ensure that the

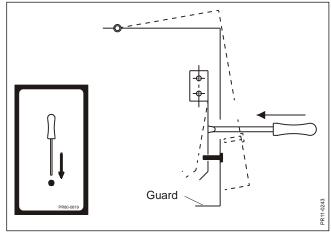


Fig. 1-1

guard cannot be opened without using a tool. Figure 1-1 illustrates the locking principle and the corresponding transfers which indicate and illustrate the locks on the machine.

CHOICE OF TRACTOR

You should always follow the recommendations laid down in the tractor's user manual. If this is not possible, seek technical assistance.

The lawful transportation of the machine on public roads requires a tractor with sufficient mass and braking capacity.

You should use a tractor which provides at least 103kW/140 HP at the PTO, but which also cannot supply more than 200kW/280 HP.

The machine has a standard construction for 1,000 RPM, and is supplied from the factory with a 1 3/4" PTO shaft with a 20-spline yoke.

A suitable tractor will have a good range of gears for travelling at speeds of between 5 and 12km/h.

The tractor's hydraulic system should supply at least 170 bar, and the adjustable relief valve must not permit more than 210 bar.

The drawbar of the precision chop forage harvester has a hitch eye, and for this reason the tractor should preferably have a clevis drawbar. The drawbar pin should have a diameter of 30mm.

Always select a tractor with a closed cab when using a precision chop forage harvester.

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COUPLING AND UNCOUPLING

You should always ensure that no one is between the tractor and the machine during coupling and uncoupling. Any unintentional manoeuvre with the tractor may cause serious injury (see fig. 1-2). When uncoupling, it is important that the ground is even and stable so that the machine does not move and injure persons or cause damage to other equipment.



Fig. 1-2

The same precautions must be taken when coupling and uncoupling trailers using a hydraulic hitch attached to the rear of the forage harvester as an accessory.

Check that the machine is suitable for the RPM and direction of the tractor's PTO. Using the wrong RPM may damage the machine over time, and in the worst case scenario lead to the ejection of components through the delivery chute.

Ensure that the PTO shaft is fitted correctly, i.e. that the locking pin is engaged and the support chain for the guard is fastened at both ends.

The PTO drive shaft must be protected correctly. Guards that are damaged must be replaced immediately.



IMPORTANT:

Before connecting the trailer to the hydraulic hitch, always:

- Disengage the PTO on the tractor;
- Wait until all moving parts have stopped.

Before activating the hydraulic system, always check that all hydraulic couplings are correct and are tight and that all hoses and fittings are undamaged.

Ensure that the hoses are not under pressure when disconnecting them from the tractor.

Hydraulic oil at high pressure can penetrate the skin and cause serious inflammation. You should always protect your skin and eyes from oil splashes. (see Fig. 1-3) Seek medical assistance immediately if you are splashed by hydraulic oil at high pressure.



Fig. 1-3

1. INTRODUCTION

ADJUSTMENTS



IMPORTANT: Before adjusting the m

Before adjusting the machine, you must always:

- Disengage the PTO on the tractor;Turn off the engine of the tractor.
- Wait until all moving parts have stopped.

It is important to wait until all rotating parts have stopped before removing the guards. This particularly applies to the delivery chute above the blade cylinder.

If the cutting parts in the blade cylinder must be adjusted or replaced, it is important to block the blade cylinder using a wooden wedge, as the sharp blades can easily cause damage to multiple fingers because it is difficult to stop the rotor if started accidentally by the operator.

Before starting work, you should check that the feed rollers and blade cylinder can move freely. Also check that the blades are intact and without cracks. Damaged blades must be replaced to prevent them from blocking or damaging the machine and to avoid metal parts being thrown out from the delivery chute.

The first time you use the machine, the blade bolts may "bed in" and lead to insufficient pretensioning of the blades. For this reason, you must check and tighten the blade bolts after the first hour of use.

Check periodically whether the blades and blade bolts are worn according to the rules in the user manual.

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TRANSPORT

Limit the transport speed to a maximum of 30km/h if the machine is not marked with a different maximum permitted speed.

Once the machine has been prepared for transport, the control unit must be turned off using the button on the side of the control box, and/or the oil supply to the machine must be disconnected. This prevents faulty operation during transport. If the machine has been fitted with an LS kit, the control unit for this must be turned off.



DANGER: Never allow anyone to climb or ride on the machine.

The machine is fitted with equipment for hydraulic conversion into the transport position, and the cylinder for this is fitted a hose rupture valve. If there is air in the cylinder during transport, there is a risk that the machine may drift into the opposite lane or onto cycle lanes or in towards pavements.



IMPORTANT: If the machine is fitted with an auto-hitch, the mechanical lock on the auto-hitch must be activated when driving while towing a trailer on public roads. This also applies in cases where a hose rupture valve has been fitted to the lifting cylinder of the auto-hitch.



IMPORTANT: Test all hydraulic cylinders following coupling to the tractor in order to remove any air in the oil. This is particularly applicable when driving on public roads.

The attachments for the forage harvester (pick-up, etc.) must be secured mechanically prior to transport.

The statutory requirements concerning lights and traffic safety marking must be positioned correctly, and any trailers attached must also be checked in addition to the forage harvester.

Reflectors and lighting must be cleaned regularly.

OPERATION

Before you start work, ensure there is nobody behind the discharge of the forage harvester due to the danger of being hit by metal parts from damaged blades.

You should also make sure that there are no persons in the trailer used for pick-up. There is a danger of suffocating in the flow of material or being hit by metal parts in the discharge.

If the feed rollers or the blade cylinder are blocked, disengage the clutches and stop the tractor engine immediately. Activate the parking brake and wait until the rotating parts have stopped before attempting to remove the material or foreign object.



WARNING:

The following cannot be said often enough: Never remove a material blockage while the machine is running or feed material into the pick-up using your hands or feet, as there is a serious risk of becoming caught and pulled into the forage harvester, which could result in dismemberment or death.

Never allow anyone to stand near the forage harvester while it is operating, particularly children who are unaware of the danger and may behave unpredictably.

The chute may be more than 4 m high. Be aware of high-voltage lines. Keep a safe distance from high voltage lines.

PARKING

The supporting leg must always be correctly fixed before the machine is parked, otherwise the machine may tip over during parking. You should also remember to place chocks under the wheels of the machine if there is a risk that the machine will move after parking.

Remember to disconnect the hydraulic hoses and control box before driving away with the tractor.

LUBRICATION

Never allow more than one person at a time to work on the machine when lubricating or undertaking maintenance work. This reduces the risk of you getting your fingers caught because another person turns rotating parts by accident while you are still working with these parts.

Never attempt to clean, lubricate or adjust the machine until the PTO shaft has been uncoupled, the tractor engine has stopped and the parking brake has been activated. Remove the ignition key and wait until all moving parts have stopped!

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GRINDING

Always follow this procedure when switching to or from grinding:

- Stop the tractor engine and remove the ignition key;
- Activate the parking brake;
- Wait until all moving parts have stopped.

Unfortunately, it is necessary to remove some of the guards to change the direction of rotation of the rotor when grinding the blades. As there are chain and belt transmissions, your hands may be injured if the rotating parts have not stopped before the guards are removed.

Grinding is performed using the following procedure:

- 1. Check to make sure that the grindstone is free from damage and that the device can move backwards and forwards easily.
- 2. Lower the guard behind the grinding device to give free access to the blade cylinder.
- 3. Adjust the stone before replacing the guard on the grinding device.
- 4. Remove the guard above the blade cylinder transmission and change the direction of rotation of the rotor.
- 5. Close the guard again and check that no one is near the machine.
- 6. Start the tractor again and keep the RPM either at idling speed or slightly above.
- 7. Perform the grinding carefully.

Always use safety glasses when grinding, as small particles may fly off the grindstone.

Following grinding, stop the tractor engine again, remove the ignition key, change the direction of rotation and fasten all guards.

REMEMBER: Always grind with all guards closed.

MAINTENANCE

All bolts should be re-tightened after approximately two days of operation. Always make sure that spare parts that have been fitted have been tightened with the correct torque.

Always ensure that the pick-up is in contact with the ground and/or the lifting cylinders are blocked when replacing parts in the hydraulic system.

Hydraulic hoses must be checked by suitably qualified personnel before they are used for the first time and thereafter at least once a year. They must be replaced as and when necessary. The working life of hydraulic hoses must not exceed six years, including a maximum storage period of two years.

When replacing hoses, use hoses which meet the requirements specified by the equipment manufacturer. All hoses are marked with their date of manufacture.

REPLACING WEARING COMPONENTS

Blades, blade bolts and the shearbar are made from high alloy, heat-treated materials. This heat treatment produces a particularly hard and tough material capable of tolerating extreme stress. Damaged blades, blade bolts or shearbars must be replaced by original KONGSKILDE spare parts to ensure optimal reliability.

Blades and blade bolts must be checked every day during the season.

The special blade bolts must be tightened using a torque wrench to 40 kgm.

The blades must be replaced once they have worn to a maximum of 8 mm or around 12 mm above the straight piece (see Fig. 1-4).

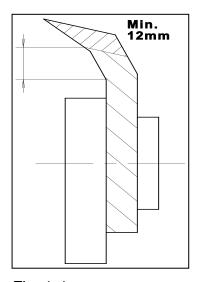
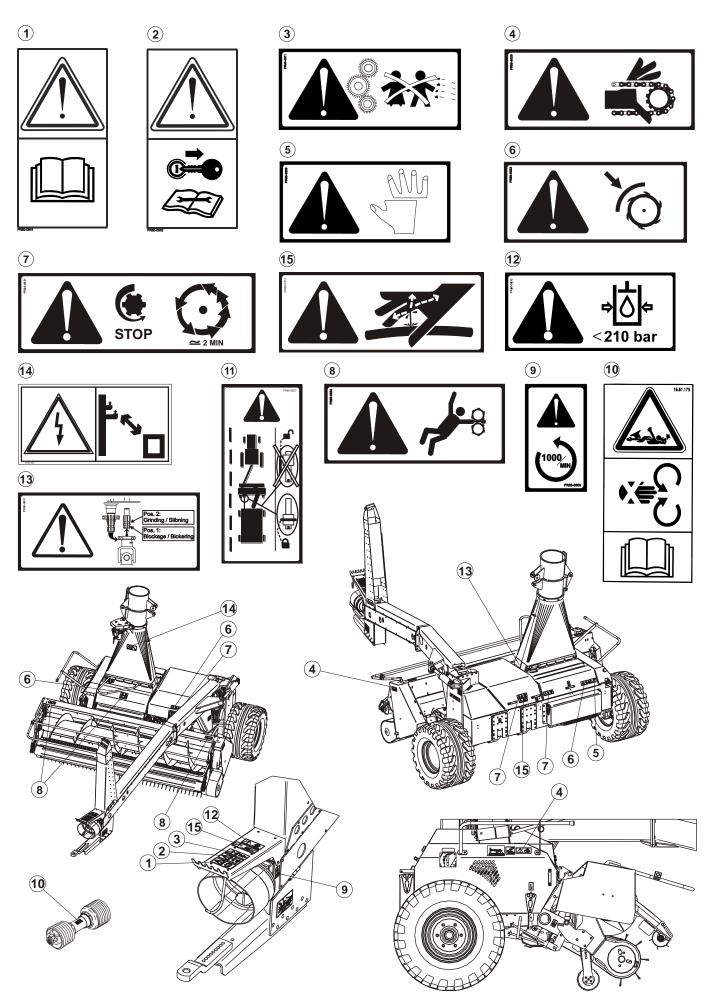


Fig. 1-4

Following the replacement of blades and blade bolts, etc., check that no tools have been left in the machine.



MARKINGS ON THE MACHINE

The warning labels shown on the previous page are positioned as shown on the drawing at the bottom of the page. Before you start using the machine, ensure that all labels are present; if not, replace any that are missing. The labels have the following meaning:

1. Stop the tractor's engine and remove the ignition key before touching the machine.

Always remember to stop the tractor's engine before lubricating, adjusting, maintaining or repairing the machine. Remove the ignition key so that you can be certain no one will start the tractor again until you have finished.

2. Read the user manual and safety instructions.

This is a reminder that you must read the documents supplied to ensure that you operate the machine correctly and avoid any unnecessary risk of accidents and mechanical damage.

Children.

Never allow children near the machine while it is in operation. Young children in particular have a tendency to do unpredictable things.

4. Chain drives.

One or several chain drives are located beneath this guard. Ensure that the tractor's engine has been turned off before opening the guard.

5. Risk of cutting.

There is a risk of fingers, etc. becoming crushed in various parts of the machine. Be careful when the machine is coupled to the tractor and ready for use. The machine can easily crush or cut off any part of the body that might get caught in the machine.

6. Remember the guards when grinding.

Remember to close ALL guards after switching to grinding mode before commencing grinding.

7. Rotating parts.

After the tractor's PTO drive shaft has stopped, the blades will have momentum which will keep them rotating for up to two minutes. Wait until the blades have come to a complete stop before removing guards for inspection or maintenance.

8. Risk of entanglement.

Keep away from the vicinity of any attachments and feed rollers while the machine running. Ensure that the tractor's engine has stopped first.

9. RPM and direction of rotation.

Check that the PTO shaft is operating at the correct RPM and rotating in the correct direction. Using an incorrect RPM and/or direction will damage the machine over time, resulting in a risk of personal injury.

10. PTO drive shaft.

This label is intended to remind you how dangerous the PTO shaft can be if it is not correctly coupled or protected.

11. Auto-hitch.

Always block the hydraulic hitch using the pin supplied before driving on public roads with a trailer attached.

12. Max. 210 bar.

Ensure that the hydraulic components are not subject to a pressure greater than the maximum of 210 bar, as there could be a risk of explosive damage to components. This will result in both yourself and others being at serious risk of being hit by metal components at high speed or oil under high pressure.

13. PTO drive shaft for rotor.

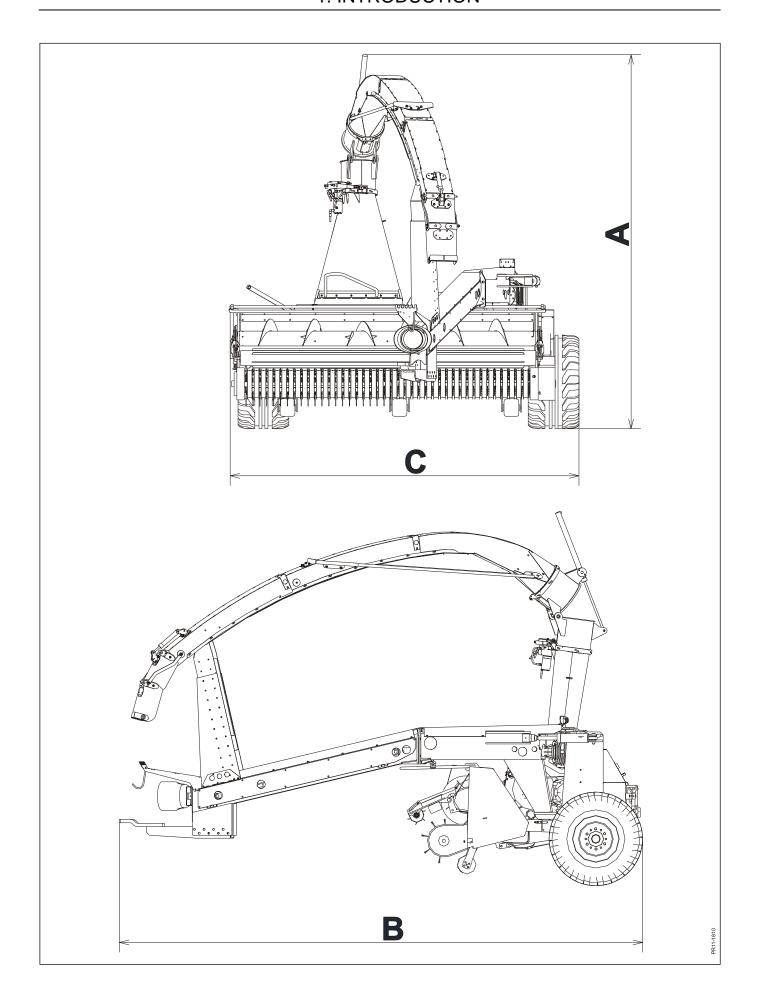
There is an alternative pin for the PTO drive shaft for the rotor. This is used both when the rotor is disconnected for reversing and when the rotor rotates in the opposite direction for grinding. Ensure that you place the PTO shaft correctly on the pin when performing these operations.

14. High-voltage lines.

This label is intended to warn of the danger of getting too close to high-voltage lines with the machine.

15. Hydraulic oil under pressure

Warning against hydraulic oil under pressure.



TECHNICAL DATA

TECHNICAL DATA		FCT 1260	FCT 1260MD	FCT 1460MD
pick-up width		2.65 m	2.65 m	3.1 m
Power requirement		110–206 kW / 150-280 HP	110–206 kW / 150-280 HP	147–206 kW / 200-280 HP
Metal detector		-	Standard	Standard
Width of blade rotor		0.72 m	0.72 m	0.9 m
RPM for rotor		1600 RPM	1600 RPM	1600 RPM
Number of blades		24 / 32	24 / 32	40
Theoretical maximum cutting length		21 / 15 mm	21 / 16 mm	16 mm
Reversible shearbar		Standard	Standard	Standard
Number of feed rollers		4	4	4
Feed reversal		Electro-hydraulic	Electro-hydraulic	Electro-hydraulic
Turning angle for chute		280 degrees	280 degrees	280 degrees
Standard tyre size		13.5/75-430.9	13.5/75-430.9	500/50-17
Tyre size (Accessory)		500/50-17	500/50-17	-
Free-wheeling clutch in PTO shaft		Standard	Standard	Standard
Friction clutch in PTO shaft		3000 Nm	3000 Nm	3000 Nm
Steel wheels on pick-up		3	3	3
Weight with pick-up		3600 kg	3600 kg	3800 kg
Maximum axle load		2950 kg	2950 kg	3050 kg
Maximum length, B		5.31 m	5.31 m	5.31 m
Maximum width with pick-up, C	Wheels, Standard	3.0 m	3.0 m	3.57 m
	Wheels, Accessory	3.3 m	3.3 m	-
Transport height, A	Standard	3.8 m	3.8 m	3.8 m
	Parallel operation	4.4 m	4.4 m	4.4 m
	Folding chute	3.8 m	3.8 m	3.8 m
Hitch for trailer: drawbar load/ total weight		2,000 kg/ 15,000 kg	2,000 kg/ 15,000 kg	2,000 kg/ 15,000 kg

2. CONNECTING TO THE TRACTOR

HYDRAULICS

CONNECTING THE HYDRAULICS



DANGER: The hydraulic components must not be exposed to a working

pressure in excess of 210 bar, as a higher working pressure may gradually cause parts to be damaged. This poses a serious

risk of personal injury.



CAUTION: It is important that the quick-release couplings are always thoroughly

cleaned prior to fitting in order to prevent impurities from penetrating the hydraulic system and damaging important valve functions. When the hydraulic hoses are not connected to the tractor, these should be

positioned in the holder at the end of the drawbar.

The machine is equipped with its own hydraulic system, which must be supplied with oil from the tractor.

The system is used for pick-up lifting, drawbar, chute swivelling, deflector, folding chute and reverse function. None of these functions uses very much oil and are controlled in the best way when the oil flow is low. You should therefore set the oil flow from the tractor to 15-20 l/min., or as low as possible.

Connect the hoses to a double-acting outlet on the tractor, or better still: connect the pressure hose to the A-port on the hydraulic outlet and the return hose to a vacant return-port leading directly to the tank or rear-axle assembly. This ensures that the return pressure is suitably low. This is especially important if the oil flow from the tractor cannot be adjusted to a sufficiently low level.



IMPORTANT: The hydraulic port for the selected A port must be locked in the

pressure position to ensure a continuous oil flow to the machine's

hydraulic system.

The machine will control the oil pressure and flow itself if it has been fitted with LS.

BYPASS VALVE

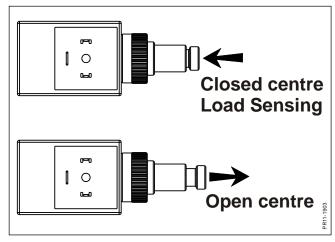


Fig. 2-1

Fig. 2-1 A distinction is made between two types of tractor hydraulic systems: "open centre hydraulics" (also known as "fixed pump") and "closed centre hydraulics" (also known as "variable pump").

If the tractor is of the "**open centre**" type, the bypass valve must be **open** to permit the passage of oil back to the tractor, and will only be activated when a function on the machine is activated. The valve may be altered using the thumbscrew if it is not open.

If the tractor is of the "closed centre" type, the bypass valve must be closed to permit the tractor to close the oil flow automatically when no functions are active. The valve may be altered using the thumbscrew if it is not closed.

The bypass valve is located on the left hand side of the valve block.

None of the hydraulic functions use more than around 10 litres of oil per minute. You should therefore set the oil flow from the tractor to 10 l/min. of oil if possible. The bypass valve has been designed for a maximum of 40 l/min. Pressure loss will occur if this limit is exceeded, which can cause the temperature of the oil and valves to increase.

The bypass valve must be set to **closed centre** if the machine has been fitted with LS.

ADJUSTMENT OF HYDRAULIC FLOW

The machine may be fitted with a hydraulic block allowing the adjustment of the flow to the deflector and drawbar.

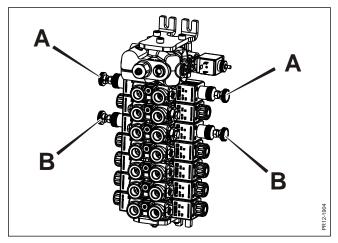


Fig. 2-2

Fig. 2-2 The adjustment screws **A** are used to adjust the speed at the drawbar. The adjustment screws **B** are used to adjust the deflector. The machine is supplied from the factory with the flow adjusted to the recommended rate. Slacken the nuts and turn the adjustment screws to change this. Tighten the nuts again when you are happy with the level of adjustment.



IMPORTANT:

It is possible to adjust the screw to such an extent that the function works in the opposite way. Unscrew the adjustment screw again until the function works correctly if this occurs.

CONNECTING THE ELECTRICAL SYSTEM



Fig. 2-3

- **Fig. 2-3** The machine is equipped for complete electronic operation of all the machine's hydraulic functions. The electronic operation consists of two units:
 - A control unit mounted on the machine together with the hydraulic system. This unit activates the hydraulic valves;
 - A control box for operation of the hydraulic functions. This can be beneficially
 positioned on the right armrest of the tractor seat for easy access while
 working in the field.

The control box is equipped with detachable fittings that can be permanently screwed into the cab, allowing subsequent dismantling without the use of a tool.

The male connector for the power supply connects to a female connector inside the tractor cab. This provides 12 V of power and allows a minimum current of 15 A. Contact your dealer for an adapter if your tractor does not use the same connectors.



IMPORTANT:

When parking, position the control box in such a way as to prevent the ingress of water.

ELECTRO-HYDRAULIC CONTROL

The machine is operated from the control box, which controls the electro-hydraulic functions.

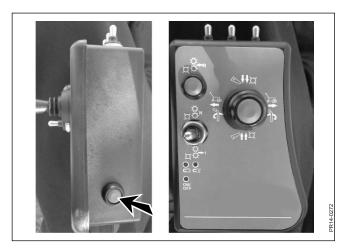


Fig. 2-4

Fig. 2-4 The control is turned on and off on the side of the control box.



IMPORTANT: Remember to turn off the control box if the tractor is going to be stopped for some time. Although the machine is not in operation, several electric coils may be activated. These will drain the tractor's battery.

FUNCTIONS

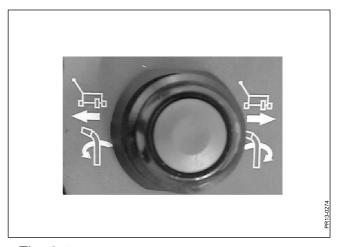


Fig. 2-5

Fig. 2-5 On the joystick:

Chute: Push to the left: The chute turns anti-clockwise. Push to the right: The chute turns clockwise.

Drawbar: While pushing the button: Push to the left: The machine moves behind the tractor. Push to the right: The machine moves out to the swath.

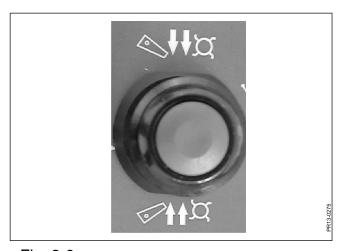


Fig. 2-6

Fig. 2-6 On the joystick:

Chute: Push forwards: The deflector points downward. Pull back: The deflector points upward.

Pick-up: While pushing the button: Push forward: The pick-up is lowered. Pull back: The pick-up is raised.

It takes around two seconds to lower the pick-up completely so that the supporting wheels can follow the ground

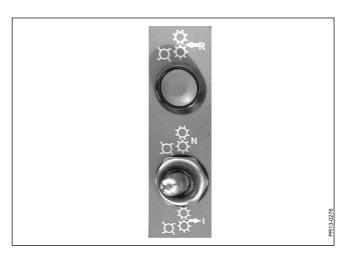


Fig. 2-7

Fig. 2-7 Reverse function. Applies to feed rollers and pick-up.

Feed in: Move the toggle switch to the rear.

Neutral: Move the toggle switch forward for around two seconds and then back to the centre position. Feed rollers and pick-up stay in neutral position.

Reverse: With the toggle switch in the centre position, you reverse by holding down the push-button. Reversing will stop when you release the button.

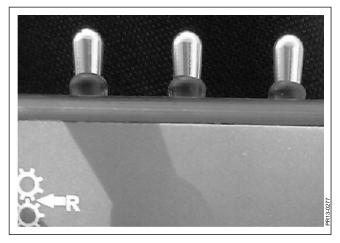


Fig. 2-8

Fig. 2-8 There are three toggle switches at the front of the control box. One of these controls the folding of the chute, while the other two switches are for accessories. These switches automatically return to the neutral centre position after being activated.

Control lights

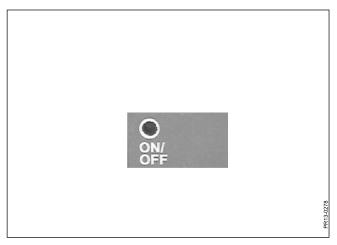


Fig. 2-9

Fig. 2-9 This light will be illuminated when the control unit is switched on.

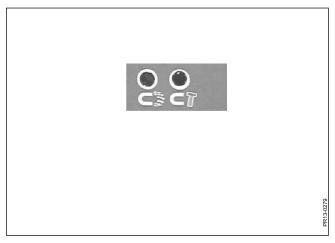


Fig. 2-10

Fig. 2-10 The control light on the left is illuminated when the metal detector is active. It turns off when there is a stoppage caused by metal or if the metal detector is turned off.

The control light on the right will illuminate constantly when there is a stoppage caused by metal. If the light flashes, this indicates that the control box has been turned off or there is a loose connection with the control box on the tractor.

The metal detector turns on each time the control unit is switched on. If you wish to turn off the metal detector, this can be done by pushing the button on the MD control unit on the machine.

Hold the button for about 5 seconds. The control light on the left of the control box then extinguishes. The control light on the left of the control box will remain illuminated until the metal detector is turned off.

See also the section: "MD-CONTROL"

DRAWBAR AND PTO DRIVE SHAFT

The hitch eye of the drawbar is intended for a 30 mm hitch pin. The hitch pin must be secured.

The drawbar load is around 700 kg depending on equipment.

STANDARD PTO SHAFT

The machine can be supplied with a standard PTO shaft and a wide-angle shaft. This section relates to the fitting of a standard PTO shaft. The subsequent section relates to a wide-angle shaft.

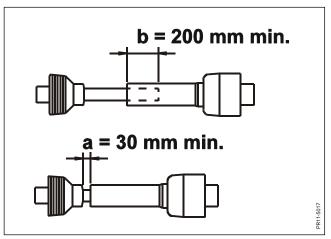


Fig. 2-11

Fig. 2-11 Adjust the length of the PTO shaft so that:

- The operating position has minimum overlap of 200 mm, see measurement **b**.
- Under no circumstances should the shaft be closer to the block than 30 mm, see measurement **a**.

The length may be adjusted both by pulling out or pushing in the drawbar of the tractor.

2. CONNECTING TO THE TRACTOR

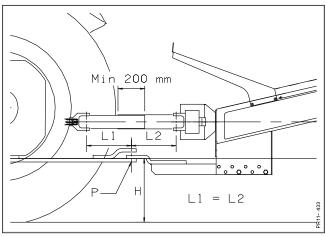


Fig. 2-12

Fig. 2-12 The height of the drawing eye H must be set in such a way that the PTO shaft is horizontal. The height may be altered by moving or turning the drawbar bracket. In order to ensure the longest possible lifetime of the PTO shaft in the case of the standard PTO shaft without a wide-angle, the length L1 must be equal to the length L2, i.e. the fulcrum P for the drawbar to be as close as possible beneath the centre point between the intersections. The drawbar bracket on the forage harvester may be moved back or forward in increments of 25 mm.



IMPORTANT: The drawbar must always be fitted and tightened with four bolts.

SHORTENING THE PTO SHAFT

Particular caution is required when shortening the PTO shaft. If the PTO drive shaft is shortened too much, there is a risk that the profile tubes may be pulled apart, which may cause serious damage.

This particularly applies in connection with operation on hilly ground, when the machine and the tractor have varying angles in relation to each other. Conversely, if the PTO drive shaft is not shortened enough, there is a risk of squeezing during sharp turns, which may cause high frictional forces in the PTO drive shaft, which in turn will damage the axle joints.

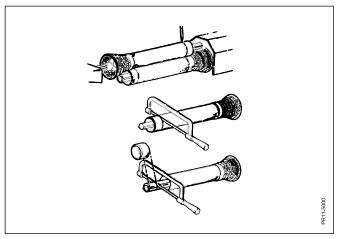


Fig. 2-13

Fig. 2-13 Fasten the halves of the shaft to PTO and PIC (fig. 2.11) respectively when these are immediately opposite each other with the machine in the operating position. (The longest distance on this machine). Hold the shaft ends parallel to each other and mark the desired amount to be shortened, but with an overlap of no less than 200 mm. Shorten all four tubes by the same amount.

Round off the ends of the tube profiles and carefully remove any burrs. It is very important that the tubes are smooth and clean prior to lubrication. Lubricate the tubes carefully before reassembling.



WARNING:

To avoid bottoming the shaft, never turn so sharply that there is less than the prescribed 30 mm distance. See measurement a in fig. 2-11.

If the PTO drive shaft bottoms when turning sharply, there is a risk that the shaft and/or other transmission parts will be damaged.

FRICTION CLUTCH

There is an integral friction clutch on the PTO drive shaft between the drawbar and the gearbox, which ensures that the machine is not overloaded during operation. The clutch must be "vented" before you start a new machine. See section concerning the friction clutch in chapter 7 "MAINTENANCE".

WIDE-ANGLE PTO SHAFT

If the machine is supplied with a wide-angle PTO shaft, it must also be supplied with an extension to the drawbar.

You must fit the wide-angle PTO shaft to the machine and the tractor before fitting the extension. The tractor must be positioned directly in front of the drawbar so that the PTO shaft is not at an angle, with the PTO shaft extruding between 125 and 175 mm.

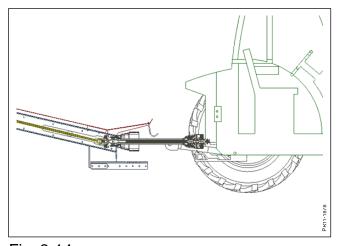


Fig. 2-14

Fig. 2-14 The height of the machine is adjusted using the support leg, so that the PTO shaft is horizontal.

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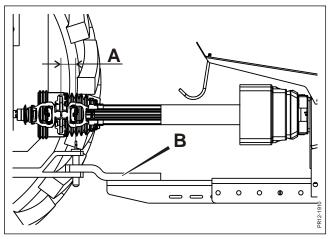


Fig. 2-15

Fig. 2-15 The tractor's drawbar **B** is then placed so that distance **A** is as small as possible. The extension is then fitted to the machine and the tractor. It may be necessary to adjust the height of the machine and the position of the tractor to make it fit.

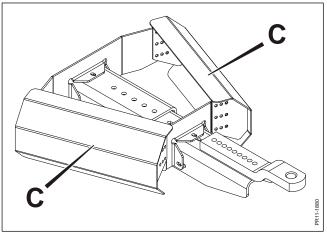


Fig. 2-16

Fig. 2-16 Crash pads **C** must be fitted in order to ensure that the wide-angle PTO shaft is not damaged. They also prevent a collision with the folding chute in its transport position, if you turn the machine too abruptly.

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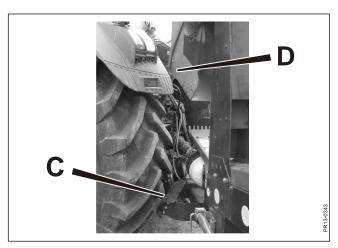


Fig. 2-17

Fig. 2-17 The machine must be placed in the transport position to fit the pads and ensure that the PTO shaft is properly installed. Turn the tractor so that there is a maximum of 70 degrees between the tractor and drawbar. While doing this, make sure that the PTO shaft does not get blocked or the chute hits the tractor **D**; the PTO shaft must be min. 30 mm from the block. If this is not achieved, you must readjust the drawbar.



NOTE. At no point in time must the PTO shaft be extended more than 220 mm.

Finally, while the tractor has been turned, fit the crash pads in the same way on both sides.

The PTO shaft must never be raised. In the event of blockage, please extend the drawbar.

3. COUPLING OF EQUIPMENT

Coupling for the first time is easiest in a workshop on even ground. The basic machine must always be coupled correctly to the tractor in accordance with section 2 "CONNECTING TO THE TRACTOR" before equipment and accessories are connected up.

PICK-UP

Coupling is easiest on even ground.

The basic machine must be coupled to a tractor in accordance with section 2 "CONNECTING TO THE TRACTOR"

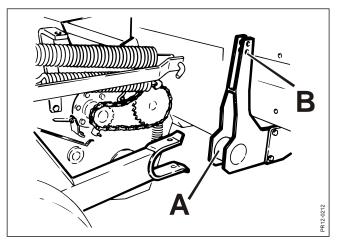


Fig. 3-1

Fig. 3-1 Wheel the pick-up on the rollers to the machine so that catch **A** is engaged. The two pins must be fitted in order to lock the pick-up to the basic machine. Attach the relief device to the pick-up at **B**.

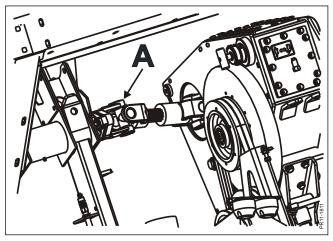


Fig. 3-2

Fig. 3-2 The PTO shaft **A** for the pick-up drive must be coupled.

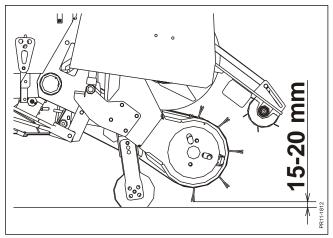


Fig. 3-3

Fig. 3-3 The height of the rollers under the pick-up can be adjusted. Adjust the height so that there is a distance of 15 - 20 mm between the points of the pick-up tines and the ground.

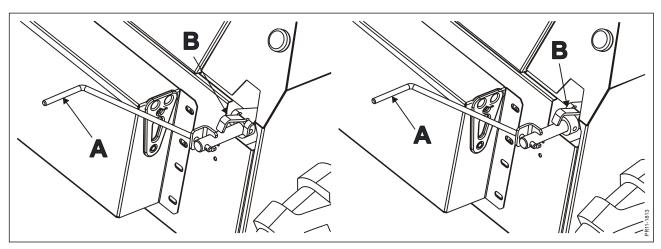


Fig. 3-4

Fig. 3-4 Tighten the relief springs using spindle **A** until the ground pressure for the pick-up is a maximum of 30 kg. The spindle lock **B** must be pulled out to release the spindle, and pushed in to lock it. Lift the lock to move this. Hold spindle **A** horizontal, so that lock **B** can engage.

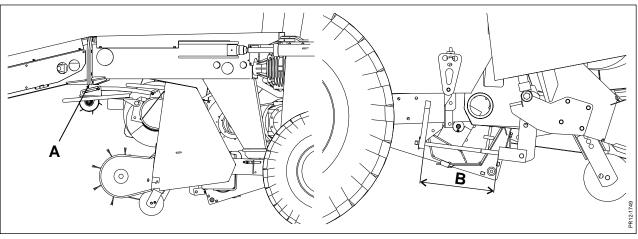


Fig. 3-5

Fig. 3-5 The stop, **B**, for lifting the pick-up can be adjusted to achieve the maximum lifting height without the pick-up colliding with the drawbar at **A**.

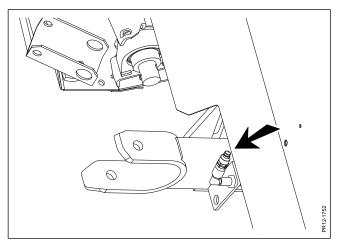


Fig. 3-6

Fig. 3-6 The hydraulic hose for lifting an auger and front roller must be connected to the quick-release coupling at the left hand catch.

TRANSPORT CONVERSION

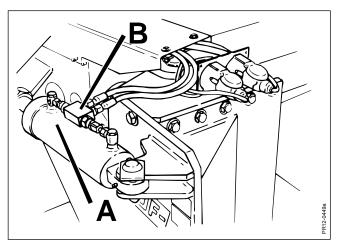


Fig. 3-7

Fig. 3-7 The drawbar may be converted electro-hydraulically using the joystick on the control box.

The hydraulic cylinder **A** is equipped with a safety valve **B** which ensures that the machine does not make any unintentional movements in cases where there may be a leaking hose.

FITTING CHUTES

There are 3 different chute options and 3 different positions of the bracket for chute turning, in order to accommodate most needs.

NOTE. Not all machines offer the option for 3 positions of the bracket for chute turning.

CHUTE TURNING

There are the following 3 positions for fitting the chute turning bracket, in order to optimise unloading to a selected side.

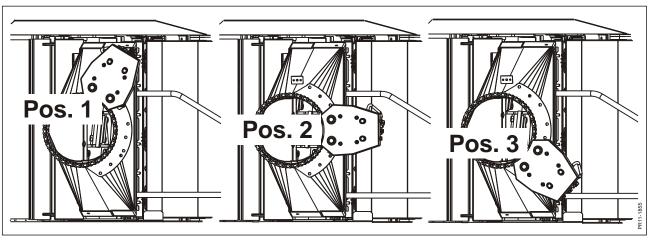


Fig. 3-8

Fig. 3-8 Pos. 1 for unloading to the right

Pos. 2 for unloading both sides. Cannot be used with the collapsible chute.

Pos. 3 for unloading to the left

When the chute is fitted, you must turn carefully from outer position to outer position in order to ensure that the hydraulic hoses are fitted correctly and are long enough.

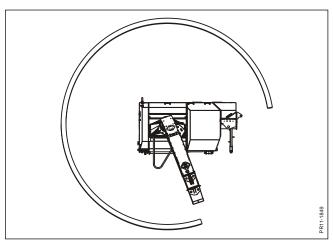


Fig. 3-9

Fig. 3-9 Position one

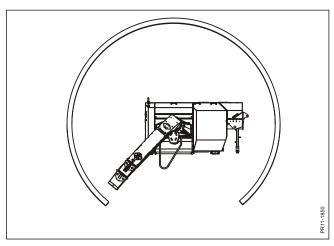


Fig. 3-10

Fig. 3-10 Position two

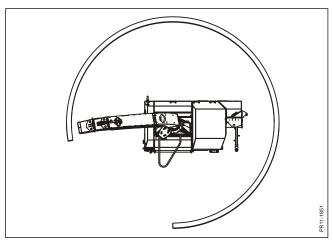


Fig. 3-11

Fig. 3-11 Position three

NB! Not all machines offer the option for 3 positions of the bracket for chute turning. Only position 3 is offered for these machines.

STANDARD CHUTE

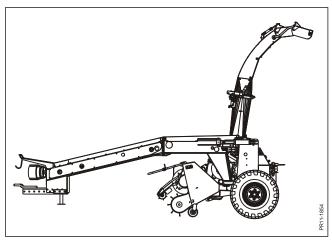


Fig. 3-12

Fig. 3-12 This is the standard chute that is supplied with the machine. It is approx. 3.8 metres high in the transport position.

FOLDING CHUTE

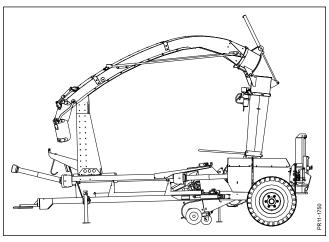


Fig. 3-13

Fig. 3-13 The machine can be fitted with a chute that permits loading of very high trailers. This chute must be folded down during transport, so that it rests on a stand on the drawbar. This reduces the transport height to less than 4 metres.

The chute is collapsed by a hydraulic cylinder that is controlled from a toggle switch on the front of the control box in the driver's cab.

The chute is operated electro-hydraulically with the joystick and toggle switch on the control box. Move the drawbar into the transport position, turn the chute into position above the stand and fold it down until it rests on the stand.

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3. COUPLING OF EQUIPMENT



DANGER: The chute is more than 4 m high. Be aware of high-voltage lines.

Keep a safe distance from high voltage lines.

WARNING: Make sure that persons keep a safe distance from the machine when

moving the chute. The hydraulic functions must be operated from the

tractor.

IMPORTANT: Be careful not to hit the tractor cab.

IMPORTANT: Do not move the drawbar while the chute is resting on the stand.

IMPORTANT: Do not turn the chute while it is resting on the stand.

IMPORTANT: The chute must always rest on the stand during transport. This is

partly due to the Road Traffic Act and also because the chute/delivery chute may get damaged, for instance if you drive fast

on uneven ground.

CHUTE FOR PARALLEL OPERATION

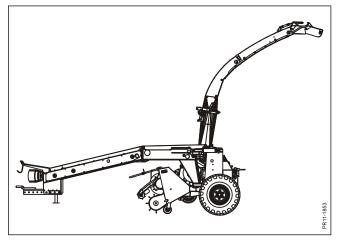


Fig. 3-14

Fig. 3-14 The machine can be fitted with a chute that has a transport height of 4.4 metres. This chute cannot be folded for transport.

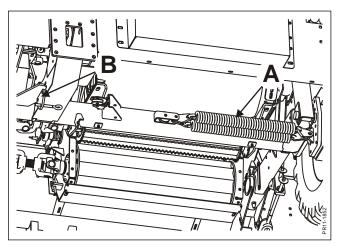


Fig. 3-15

Fig. 3-15 When this equipment is fitted, it is important that an extra spring **A** is fitted for chute relief, in order to compensate for the added weight of the chute. Bracket **B** must be moved to the indicated position so that the wire is not too short.

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4. ADJUSTMENTS

PICK-UP

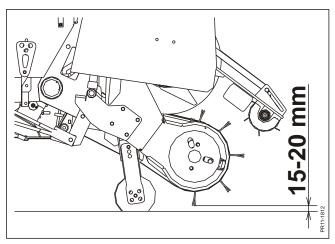


Fig. 4-1

Fig. 4-1 The underside of the pick-up is equipped with steel supporting rollers, which are height-adjustable. You should keep the pick-up at such a height that the tines do not hit the ground and get earth into the crop, but so that the tines can also pick up the grass without waste.

Kongskilde A/S recommends a distance between the pick-up tines and the ground of 15 to 20 mm.

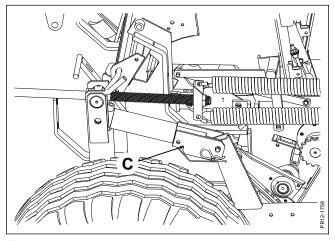


Fig. 4-2

Fig. 4-2 Before making any adjustment, the cylinder stop **C** must be engaged and secured using the pin.

The auger on the pick-up is equipped with a slip clutch. The slip clutch of the auger is adjusted so that it releases before the other friction clutches in the machine.

The highest capacity is obtained by operating at a forward speed where you drive without causing blockages in the auger. If there is a blockage around the auger, stop and force the crop out of the machine by using the reverse function. See also section "6 OPERATION IN THE FIELD".

A continuous and even flow through the pick-up and auger is the best way to avoid blockages inside the machine, which can lead to long operational stoppages.

The operator should always have spare friction discs for the slip clutch on the auger are kept in the tractor. If this clutch has been in operation for a considerable period, the coating on the friction discs will become worn and will be unable to transmit sufficient torque. It may therefore be necessary to replace the friction discs, but remember these must be of the same quantity and quality.

CHANGE OF SPEED OF PICK-UP TINES

Extra sprockets and chains are supplied in order to be able to change the speed of the pick-up tines. This is an option that permits optimisation of material harvesting. The stated speeds are the tines' peripheral speed on the ground with the maximum cutting length.

Sprocket no.	Number of	Speed
	teeth Z	
2064-720x	21	10 km/h
2065-897x (Standard)	25	12 km/h
2065-994x	30	14 km/h

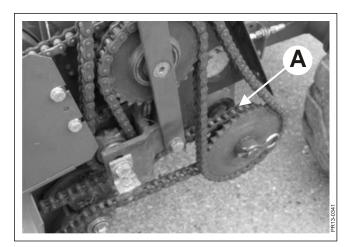


Fig. 4-3

Fig. 4-3 This is sprocket **A**, which is replaceable.

OPENING THE ROTOR HOUSING



Fig. 4-4

Fig. 4-4 The chute must be lowered in order to open the rotor housing. In order to make this easier, the chute is relieved by strong springs.

A

DANGER: First ensure that no one other than the operator is in the vicinity.

WARNING: The hydraulically folding chute (accessory) is so heavy that the

rotor housing cannot be opened manually for access to the blade rotor. Instead, please use the procedure described in Fig. 4-10 - Fig.

4-14.

WARNING: The chute for parallel operation (accessory) requires two people to

open and close the rotor housing, as the weight of this exceeds the

permitted amount.

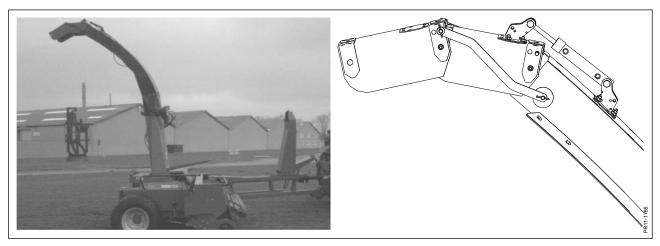


Fig. 4-5

Fig. 4-5 1) Turn the chute to the rear. Turn the deflectors to the centre of the operating range.



Fig. 4-6

Fig. 4-6 2) Open the guard above the rotor housing and the left-hand guard.

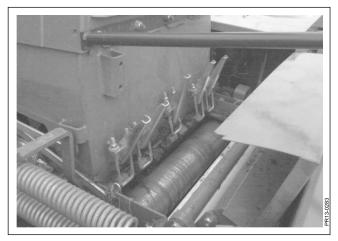


Fig. 4-7

Fig. 4-7 3) Open the lock clamps at the front of the rotor housing.



Fig. 4-8

- **Fig. 4-8** 4) Tilt the chute to the rear and down using the handle, which will open the rotor housing.
 - 5) Close the rotor housing following the same procedure in reverse order.



Fig. 4-9

Fig. 4-9 When closing the rotor housing, it is an advantage to lift the chute initially.

COLLAPSIBLE CHUTE

•

WARNING: The chute is so heavy that the rotor housing cannot be opened

manually for access to the blade rotor. Use the following procedure

instead:

DANGER: First ensure that no one is in the vicinity. The hydraulic functions

must be operated from the tractor.

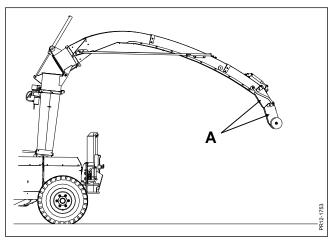


Fig. 4-10

Fig. 4-10 Turn the chute to the rear. Turn the deflectors A to the centre of the operating range.

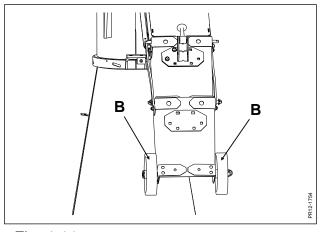


Fig. 4-11

Fig. 4-11 Fold down the chute to about 1.5 m above the ground and mount the wheels **B** using the pin and split pins.

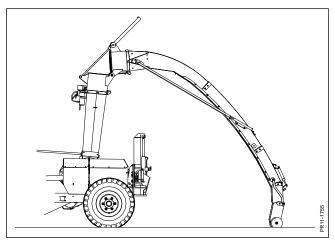


Fig. 4-12

Fig. 4-12 Fold down the chute until the wheels rest on the ground.

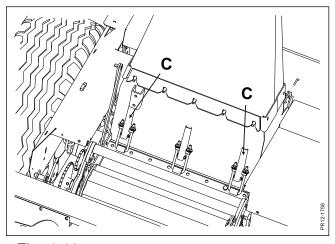


Fig. 4-13

Fig. 4-13 3) The lock clamps C at the front of the rotor housing can now be opened safely.

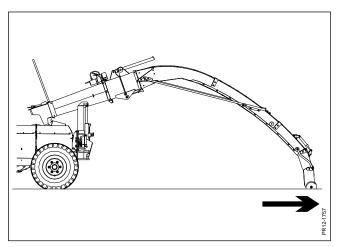


Fig. 4-14

Fig. 4-14 Now move the chute cylinder in direction "Chute closed", which opens the rotor housing.

Close the rotor housing following the same procedure in reverse order.

ROTOR AND ROLLER SECTION

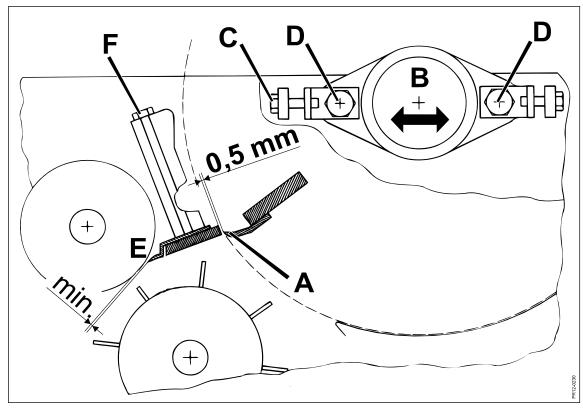


Fig. 4-15

Fig. 4-15 The distance A between the blades of the rotor and the shearbar must be checked regularly using the gauge supplied (distance measuring device). A distance of 0.5 mm should be aimed for. If it is necessary to adjust the distance, loosen the two bearing housings B and adjust using the screws C. When the distance has been checked, tighten the bolts D of the bearing housings using a torque wrench to 40 kgm (400 Nm).

The machine is equipped with a scraper for the smooth roller **E**. The scraper is fitted together with the reversible shearbar previously mentioned.

The scraper is placed as close to the smooth roller **E** as possible without touching it. Therefore, the distance between the scraper and the smooth roller should be between 0.2 and 0.5 mm. Then tighten the bolts **F** using a torque wrench to 10-12 kgm (100-120 Nm). **Incorrect adjustment of the scraper may result in overheating of the smooth roller and an operational stoppage.**

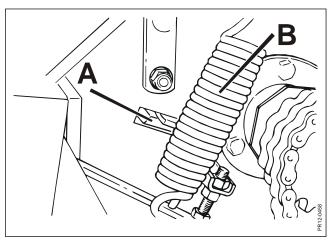


Fig. 4-16

Fig. 4-16 The scraper is dismantled by removing the screws **F** (on Fig. 4-15), which also secure the shearbar, after which the scraper and shearbar can be pulled out of the opening **A** in the side of the rotor housing. The spring **B** for the serrated roller must first be loosened or dismantled to allow sufficient space. If the shearbar has been worn, it can be reversed to obtain a new sharp coulter.

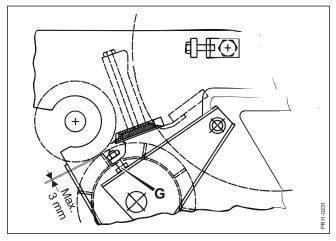


Fig. 4-17

Fig. 4-17 The distance between the smooth roller and the serrated roller should be a maximum of 3 mm. Adjustment may be made using the bolts **G** at both sides of the rotor housing.

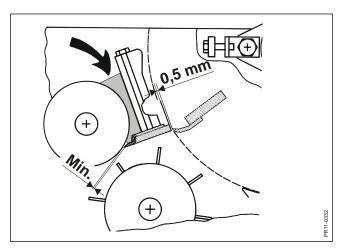


Fig. 4-18

Fig. 4-18 Crop substances (small particles) can accumulate in the shaded area under certain circumstances and become so compacted that it causes the transmission driving the rollers to overload.

> Check the area after every eight hours of operation and remove any crop residues. Check, and if necessary adjust, the distance between the scraper and smooth roller. The frequency of these checks may be reduced when the operator has become familiar with the machine under all conditions.

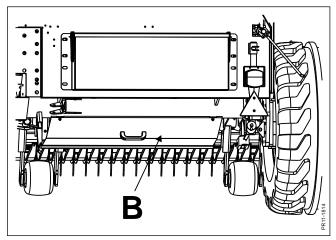


Fig. 4-19

Fig. 4-19 The bottom plate B may be mounted beneath the roller section as an additional piece of equipment. This may be mounted when operating in very dry and/or short crops to avoid waste under the rollers.



IMPORTANT: When operating under normal conditions, we recommend you operate without this bottom plate, as material can otherwise accumulate under the rollers, resulting in reduced capacity and unnecessary overloading of the transmission.

> However, the bottom plate may be mounted when operating in crops where there is excessive waste beneath the rollers.

CUTTING LENGTHS

FCT 1260

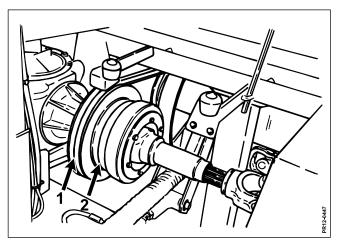


Fig. 4-20

Fig. 4-20 The cutting length may be altered by switching between the two positions of V-belts operating the gear for the feed rollers.

The figures in the table specify the theoretical cutting length in mm.

Adjustments	Theoretical cutting length 24 blades	Theoretical cutting length 32 blades
1	21 mm	15 mm
2	13 mm	9 mm

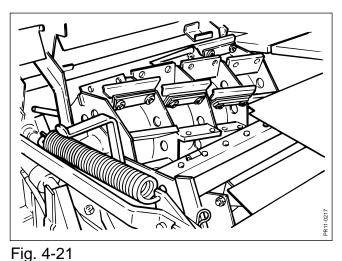


Fig. 4-21 The cutting lengths can be doubled by removing every other row of blades in the rotor.

FCT 1260 MD AND FCT 1460 MD

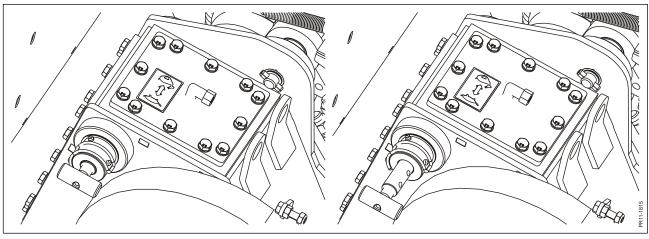


Fig. 4-22 Setting 1 Setting 2

Fig. 4-22 The cutting length may be altered using the harvesting gearbox, which has two gears. This is done by removing the pin and moving the handle to the desired position. **Insert the pin again**.

The following cutting lengths in mm may be obtained as standard:

Adjustments	Theoretical cutting length 24 blades	Theoretical cutting length 32 blades
1	21 mm	16 mm
2	16 mm	12 mm

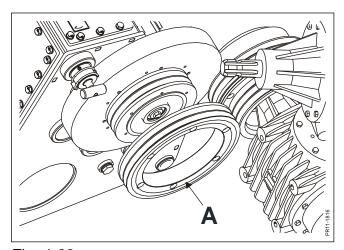


Fig. 4-23

Fig. 4-23 If a particularly short cutting length is desired, the outer belt pulley **A** must be moved from the turning gear to the harvesting gear. This allows the following cutting lengths to be obtained:

Adjustments	Theoretical cutting length 24 blades	Theoretical cutting length 32 blades
1	11 mm	8 mm
2	8 mm	6 mm

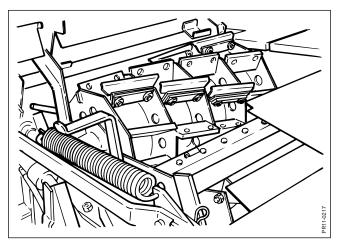


Fig. 4-24

Fig. 4-24 The cutting lengths can be doubled by removing every other row of blades in the rotor.

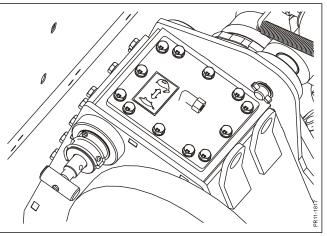


Fig. 4-25

Fig.4-25 The gear wheels of the harvesting gearbox are not engaged in the position between setting 1 and setting 2.

REPLACEMENT AND ADJUSTMENT OF BLADES

When replacing a single blade, the blade must be placed at the same distance from the shearbar as the other blades. To ensure that the rotor is balanced, it may be necessary to also replace the opposite blade because used blades have different weights compared to new blades.

Even if there are no visible signs of damage to the blade bolts, they should always be replaced together with the blades because they may have been overloaded.



CAUTION:

Check the distance between the blade and the shearbar (0.5 mm) using the gauge supplied before the bolts are tightened.



WARNING:

Only use original blade bolts when replacing. Tighten the blade bolts using a torque wrench to 40 kgm or with the spanner supplied using approx. 40 kg leverage.

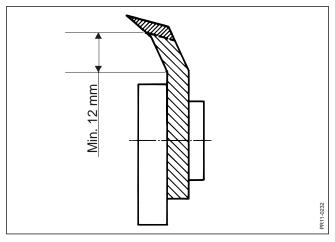


Fig. 4-26

Fig. 4-26 When the blades have been worn by a maximum of 8 mm or to the first bend, i.e. approx. 12 mm above the straight piece of the blade, they must be replaced.



DANGER:

When all blades on the rotor have become worn and the rotor has been adjusted towards the shearbar, it MUST be adjusted back again before new blades are fitted. Otherwise there is a risk that the new blades will collide with the shearbar when the rotor is turned.

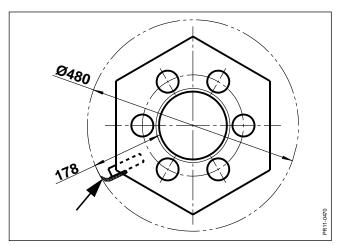


Fig. 4-27

Fig. 4-27 When fitting new blades, they must be pulled out so that the outer diameter on the rotor is 480 mm (from rotor tube to blade point = 178 mm).

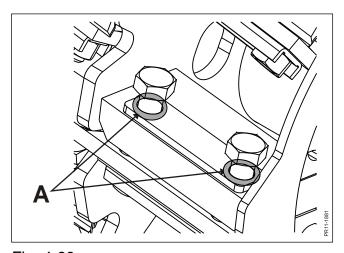


Fig. 4-28

Fig. 4-28 When replacing blade bolts it is important to ensure that the area A under the bolt heads is greased.

GRINDING

Adjustment of the PTO drive shaft for the rotor to or from grinding position respectively must only take place when the tractor and the machine have been stopped and the rotor has come to a complete standstill. The rotor must only rotate when the grinding device is in grinding position.

Check before grinding:

- That the grindstone is undamaged;
- That the device slides backwards and forwards easily;
- That the device is parallel with the rotor.

The grinding device is supplied correctly adjusted from the factory and there is therefore normally no need for any adjustment, but adjustments may be made following dismantling using the oblong holes of the lateral guides. The bolts must be tightened firmly following adjustment.

The stone is fed by turning the handle for side movement.

The blades should normally be ground once a day - but excessive grinding should be avoided, as this will reduce the life of the blades.



CAUTION:

<u>Protect your eyes</u> – <u>always</u> wear safety glasses when grinding. The guard above the grinding device <u>must</u> be closed while grinding.

GRINDING OPERATION

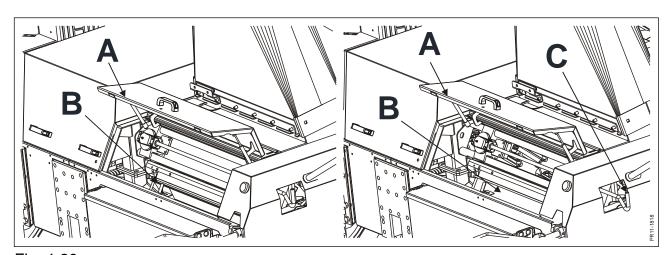


Fig. 4-29

Fig. 4-29

- 1. Open guard **A** above the grinding device.
- 2. Lower guard **B** between the grinding device and the rotor so that there is free space between the grinding device and the rotor. Adjust the grindstone so that there is 2-3 mm clearance between the stone and the blades by turning the handle **C**.

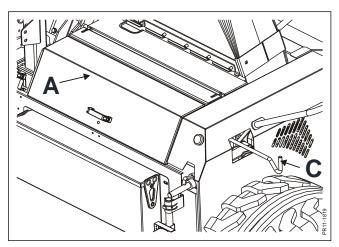
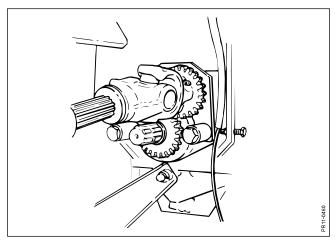


Fig. 4-30

Fig. 4-30 3. Close guard A.



WARNING: REMEMBER, only grind with the guards CLOSED.



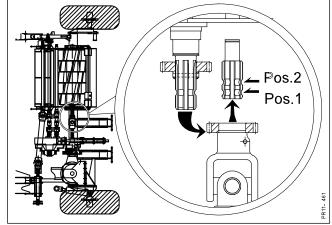


Fig. 4-31

Fig. 4-32

- **Fig. 4-31** 4. Mount the PTO drive shaft for the rotor on the free pin on the rotor housing. The PTO drive shaft must
- **Fig. 4-32** be fixed at position 2, where the gear wheels are engaged and the rotor will rotate in the opposite direction.
 - 5. Close all guards.
 - 6. Start the tractor and maintain the RPM at slightly above idling speed.

- Fig. 4-29 7. Feed carefully by turning the handle **C** until the stone just touches the blades. Move the stone in a sliding movement across the whole rotor and back again. Feed a little more and repeat the movement across the full width of the rotor so that the blades across the entire width of the rotor are ground.
 - 8. Push the handle in all the way towards the machine after grinding. Stop the tractor and lift the guard between the device and the rotor into the correct position once the rotor has come to a standstill. The PTO drive shaft for the rotor must be moved back to the pin for the normal direction of rotation of the rotor.



WARNING: REMEMBER, only grind with the guards CLOSED.

In the interests of safety, check the distance between blades and shearbars again using the gauge.

Check the wear on the grindstone regularly. If the stone has been worn down to a thickness of 10 mm, it must be replaced.

ROUGH GRINDING

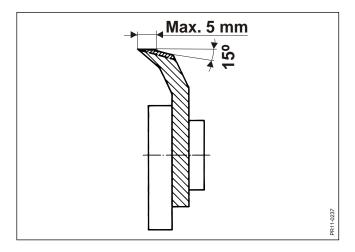


Fig. 4-33

Fig. 4-33 To avoid unnecessary power consumption and excessive wear of the grindstone when operating the harvester, it is necessary to carry out a rough grinding or adjustment of the blades when the cutting edge is 5 mm wide or more. Grind the rear edge to an angle of approx. 15°.

Rough grinding can be performed using an angle grinder with the rotor and blades positioned in the machine.



CAUTION:

Be careful not to grind down the cutting edge (front edge) of the blades.

Block the rotor with a solid object (a piece of wood or similar) during rough grinding to ensure that the rotor does not move during this operation.

REVERSING

The reverse function **can** be used at full RPM (1,000 RPM on the PTO), but we **recommend you decrease the RPM** to reduce the strain on the machine as much as possible and reduce the wear of the rubber disc.

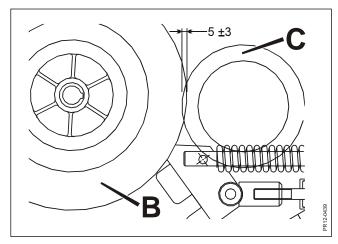


Fig. 4-34

Fig. 4-34 The overlap between the steel friction disk **B** and the rubber disk **C** is 5±3 mm during reversing. This must not be adjusted for wear because the cylinder always maintains a constant pressure determined by the pressure relief valve.



CAUTION:

Only use the reverse function for a short period of time on each occasion to ensure the correct functioning and long life of the rubber disc.

FCT 1260

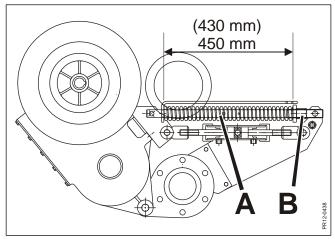


Fig. 4-35

Fig. 4-35 The tensioning of the V-belt also takes place automatically. This is determined by the compression spring **A**. The tensioning of the V-belt may be altered by turning nut **B** on the spindle of the compression spring until the spring has the correct length:

- The length must be 450 mm for a long cutting length of 15/21 mm.
- The length must be 430 mm for a short cutting length of 9/13 mm.
 These lengths apply to the reverse function for the "feed intake".



WARNING:

The spring tensioning must NOT be increased beyond the amounts specified, as this may overload the transmission. The belt drive acts as a belt coupling, and will slip in the event of the overloading of the feed intake section.

This coupling function allows observant operators to change gear when the belts begin to slip, and thereby avoid a blockage in the feed intake section.

FCT 1260MD AND FCT 1460MD

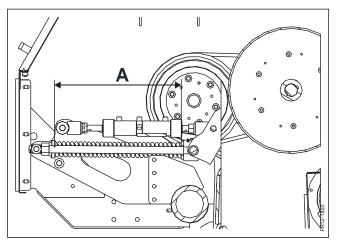


Fig. 4-36

Fig. 4-36 The tightening of the belt drive is determined by the spring which is tightened to the length "A" = 400 mm, when the reverse function is in "feed in".



WARNING:

The spring tensioning must NOT be increased beyond the amounts specified, as this may overload the transmission.

NEUTRAL POSITION

This neutral position is between the reverse function where the rubber disc and the friction disc are in mesh and a normal operating position where the belt drive is tightened by the spring and drives the feed intake.

In neutral position, the belt drive for the feed intake section is slackened so that it does not move. This position should not be considered a standstill position for the machine, partly because the blade rotor is still able to rotate. In addition, an empty, smooth-running feed intake can still be driven by the slight friction from the slackened belts.



WARNING:

Do not approach the machine when the feed intake is in neutral position and the rotor is rotating. Neutral position does not guarantee that the feed intake will not start.

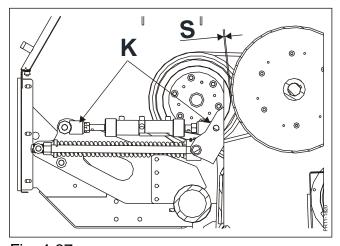


Fig. 4-37

Fig. 4-37 In neutral position, with a new rubber disc, the distance between the rubber disc and the steel friction disc should be approx. **S** = 2-3 mm. Adjustment of the neutral position is done at the ends **K** of the cylinder. It is not necessary to adjust for wear on the rubber disk.

The cylinder will be without pressure when the reserve is set to "feed in".

ADJUSTMENT OF BELT GUIDE

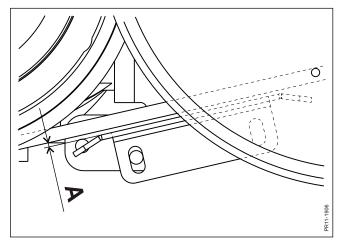


Fig. 4-38

Fig. 4-38 A belt guide has been fitted under the belts to drive the feed intake. The function of the belt guide is to ensure that the feed intake comes to a standstill quicker when the machine is put into neutral position. The machine must be in the feed intake position when the distance **A** is adjusted, which must be 2-4 mm.

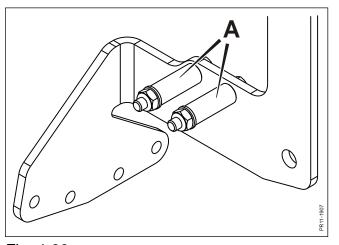


Fig. 4-39

Fig. 4-39 If the cutting length is to be changed on the FCT 1260, the belt guide must be moved by using the bushings **A** supplied.

5. METAL DETECTOR (MD)

The FCT 1260MD and FCT 1460MD have been fitted with a metal detector. The purpose of the metal detector is to protect the machine from damage caused by pieces of metal in the crop and to ensure that no metal gets in the chopped material, which could cause disease amongst animals that subsequently eat the fodder.

The machine is equipped with a system which can detect (register) magnetic metal in the feed intake section, and immediately stops pick-up, auger and feed intake if metal in the crop enters the front rollers.

MAGNETIC TUB (METAL SENSOR)

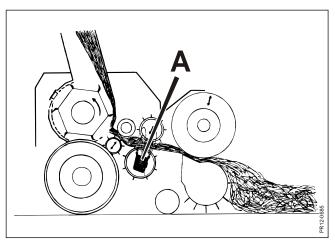


Fig. 5-1

Fig. 5-1 The machine is equipped with a magnetic tub A (sensor) which is mounted in the lower front feed roller. The function of the magnetic tub is to detect magnetic metal (metal containing iron).

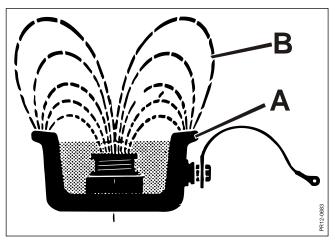


Fig. 5-2

Fig. 5-2 The magnetic tub **A** has an upward magnetic field **B**. This magnetic field covers the entire opening between the front two rollers.

The reliability with which the detector registers the metal is approximately 95%. However, several factors influence the reliability of the sensor:

- Size of the metal object;
- Shape of the metal object;
- Position of the metal in the feed intake section;
- Cutting length and thus the feed intake speed;
- Distance between the pawl and the ratchet wheel in the stop system.

DETECTION OF METAL

When a magnetic piece of metal passes the magnetic tub, a voltage is induced which is immediately detected by the microprocessor in the control unit, which then triggers a programmed stop sequence.

STOPPING THE FEED INTAKE SECTION

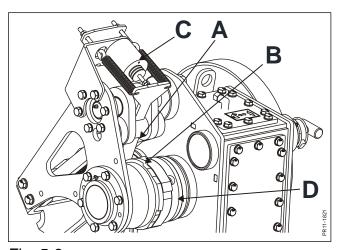


Fig. 5-3

Fig. 5-3 When the metal has been detected, a signal will be sent which causes the voltage on the magnetic coil **C** to be disconnected. This then activates pawl **A**, which then engages with the ratchet wheel **B**, which blocks the feed intake and triggers the connection **D**. The reverse function simultaneously goes to neutral position.

As the feed intake is blocked faster than the reverse function switches to neutral, the clutch **D** is released briefly. This slips until the reverse has disengaged the belt transmission.

The reverse slackens the V-belts, and the drive of the feed intake is deactivated. This means that the feed intake automatically switches to neutral when metal is detected, even though the switch on the control box is in the feed intake position. Naturally, the system can only operate if there is constant oil flow to the machine and the control unit is switched on.

This neutral position is necessary for any disengagement, as the clutch would otherwise be damaged and would need to be replaced.



WARNING:

Do not approach the machine when the feed intake is in neutral position and the rotor is rotating. Neutral position does not quarantee that the feed intake will not start.

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RESETTING THE METAL DETECTOR

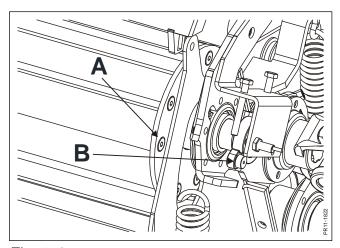


Fig. 5-4

Fig. 5-4 To safeguard against faulty operation following metal detection and ensure that any metal has been removed before restarting, the electronics do not permit a normal feed intake function until the feed intake has reversed briefly.

The magnetically operated switch **B** is operated through feed roller **A** during the reversing. This sends a signal to the microprocessor that reversing has been completed and the stop system with the pawl will be reset.

Note: You must reverse for a minimum of two seconds before the control unit registers it and feed intake is permitted.



CAUTION:

When the machine has reversed following metal detection, stop the tractor and check the area in front of the feed roller for any pieces of metal and remove them.

If nothing is found, there is a risk that metal will again enter the feed intake together with the crop when the machine is restarted.

Always pay particular attention when restarting the machine after metal detection.

MD CONTROL



Fig. 5-5

Fig. 5-5 The control unit A located under the left rear guard contains the necessary controls for the metal detector It receives a signal from the magnetic tub, and in cases where magnetic metal is detected, it sends a signal to the coil to block the feed intake and to the reverse function to switch to the neutral position. It also verifies whether the feed intake has reversed via the magnetically operated switch. The metal detector is active when the machine is started and requires reversing before it can operate normally. See Chapter 6 "Starting in the field".

The metal detector turns on each time the control unit is switched on.

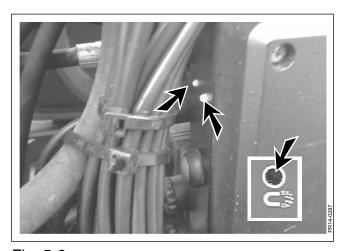


Fig. 5-6

Fig. 5-6 When the control unit is switched on and the metal detector is on, the two control lights on the MD control unit and the light on the control box will be illuminated.

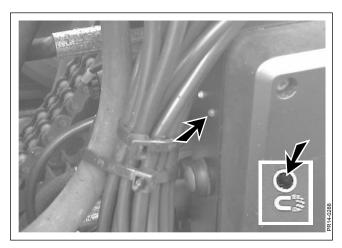


Fig. 5-7

Fig. 5-7 The metal detector is turned on and off by pushing the button on the MD control unit. It is turned off by holding the button down for about five seconds. This extinguishes the yellow control light on the MD control unit and the light on the control box. One single push on the button turns the metal detector on again. The metal detector must be ready in order that it can be turned off. The red light on the control box must either be illuminated or be flashing.

Although the metal detector may have been turned off, it always turns on when the machine starts when the control unit has been turned off on the control box or when the power supply has been interrupted. This ensures that you do not work without the metal detector active unless you intend to. If you work without the metal detector, you risk metal entering the machine, causing damage and contamination of the crop.



WARNING:

Do not approach the machine when the feed intake is in neutral position and the rotor is rotating. Neutral position does not guarantee that the feed intake will not start.

The MD control unit controls the reverse system in the following situations:

 When the system is turned on: The reverse moves to neutral position and cannot move to feed intake until the machine

has reversed for two seconds.

· When metal is detected:

(If turned on)
 The reverse moves to neutral position and

cannot move to feed intake until the machine

has reversed for two seconds.

ADJUSTMENTS

RATCHET STOP

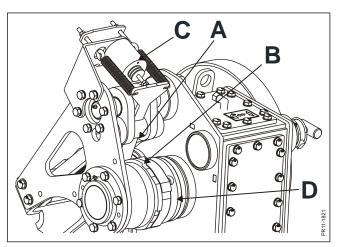


Fig. 5-8

Fig. 5-8 The metal detector's stop system is integrated in the transmission for the feed intake system. The system consists of a pawl **A** and a ratchet wheel **B** and is activated by a coil **C**. The system is activated when metal is detected in the feed intake section and the coil gets a signal from the electronics which brings the pawl **A** in mesh with the ratchet wheel **B** and the feed intake section is blocked

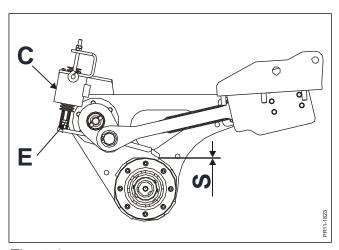


Fig. 5-9

Fig. 5-9

WARNING:



The distance between the pawl and the wheel MUST be S= 1-2 mm because the distance determines the response time of the system in the event of metal detection.

Too great a distance may mean that a metal object can reach the blade rotor before the feed intake stops and cause serious damage to the harvester.

The distance between pawl and wheel has been supplied correctly adjusted from the factory. If readjustment is necessary, this is done using adjusting screw **E** on the coil **C**.

SPRING KIT

A spring kit in the stop system determines how quickly the feed intake stops in the event of metal detection.

The spring kit must not be altered, as otherwise there is a risk of metal getting to the blade rotor or the damaging effect of a shock impact on the transmission.

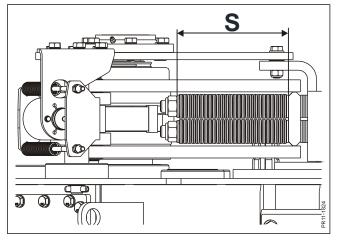


Fig. 5-10

Fig. 5-10 The spring kit is supplied from the factory and is prestressed to S = 175 mm.

FAULT FINDING FOR MD

Chapter 12 "MISCELLANEOUS" at the back of this manual contains a table for fault finding on the MD system. The table contains the most common faults, possible causes and remedies.

6. OPERATION IN THE FIELD

GENERAL CONSIDERATIONS

Adjust the machine to the maximum cutting length acceptable for the crop concerned. This will reduce the stress in the feed intake section and the transmission and increase the possibility of the machine operating continuously without blockages. Be aware that setting the cutting length too short increases the power consumption and also the wear on the blades per volume of crop cut.

Always use sharp blades and a correctly adjusted shearbar.

Under difficult conditions we recommend you to carry spare friction discs for the slip clutch on the auger because these wear each time the clutch is activated. After a certain period, the power that can be transmitted is reduced to such an extent that the capacity of the machine is reduced and the friction discs must be replaced. When replacing discs, remember that they must be of the same quantity and quality so that the desired torque can be applied. This also helps to maximise life.

SWATHING BEFORE CHOPPING

If it is possible to influence the swath prior to chopping, it is important to emphasise that regular and even swaths are optimal for the subsequent chopping and will spare the operator considerable effort.

The machine is equipped with a wide pick-up and, if you want to utilise the capacity of the machine through double swathing, it is a good idea to place two swaths beside each other within the width of the pick-up, instead of raking the swaths. Raked swaths are often irregular and the crop can become entangled, which can cause blockages in the auger and/or feed intake section.

Two swaths beside each other are therefore ideal for a regular flow of crop through the machine.

TRANSPORT POSITION

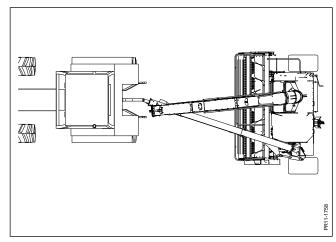


Fig. 6-1

Fig. 6-1 In the transport position, the machine must be placed behind the tractor so that it follows immediately behind the tractor. Standard and parallel chutes must point backwards. Folding chutes must be folded down to rest on the stand on the drawbar. The control box must be turned off to prevent the accidental operation of the machine.

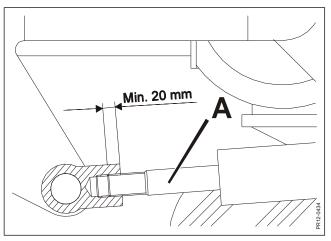


Fig. 6-2

Fig. 6-2 Cylinder **A** on the drawbar may be adjusted in length to change the position of the machine behind the tractor.



CAUTION:

There must be a minimum of 20 mm in thread engagement between the piston rod and threaded rod.

STARTING IN THE FIELD

STARTING

Turn on the control (button on the side of the control box) and turn on the oil flow to the machine. Fold up the chute and rotate this to the desired position.

Then move the machine to the operating position.

Reset and check the metal detector:

Lights on the control box:

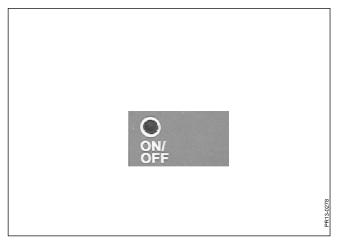


Fig. 6-3

Fig. 6-3 The green light indicates that the control system is on.

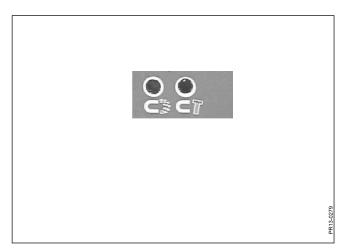


Fig. 6-4

Fig. 6-4 The green light on the left-hand side indicates that the machine is operating with normal feed intake and that the metal detector is activated.

The red light on the right-hand side indicates that the machine is in "metal stop", This means that the electronic system has detected metal and the system has responded (the pawl blocks the ratchet wheel and the reverse system switches to the neutral position). A flashing light indicates that the power to the control system has been turned off. This may be because the box has been turned off, but may also be due to a loose connection.

When the control system is turned on, it is in the "metal stop" state. Therefore, the green light (Fig. 6-3) and the red light on the right-hand side (Fig. 6-4) are flashing on, and the reverse system is in neutral position. The control system cannot be set to "feed intake" until the system has registered that you have reversed.

Therefore: Connect the power take-off (only the blade rotor rotates) and move the feed intake to reverse until the red light extinguishes after about two seconds (the control system has registered that you have reversed).

The control system may now be set to feed intake. The green light on the left-hand side (Fig. 6-4) now indicates that the metal detector is activated.

Control of the metal detector:

Disconnect the tractor's power take-off again and turn off the engine, but do NOT turn off the control system. Test the operation of the detector by moving a large piece of magnetic metal across the lower front feed roller.



WARNING:

Do not approach the machine when the feed intake is in neutral position and the rotor is rotating. Neutral position does not guarantee that the feed intake will not start. Do not approach the machine until the blade rotor has come to a complete standstill.

When the metal detector has detected metal, the reverse system moves to neutral Fig. 6-4 position and the red light on the control box will be illuminated again.

The detector has now been checked. Reset the detector as described above.

OPERATION

Now, gradually increase the machine to the correct RPM. This is 1,000 RPM on the PTO during operation, so start with approx. 1050-1100 RPM unloaded.

Drive slowly into the crop and increase the forward speed as long as the tractor can maintain the required RPM of approx. 1,000.

An inexperienced operator should always operate the machine with reserve capacity in order to avoid problems with flow through the machine.



IMPORTANT: Always make sure that the tractor can maintain the correct RPM of 1,000 on the PTO. This ensures regular loading of the machine and avoids torque increases (in case of reduced RPM), which will cause wear on the safety clutches and transmission.

To obtain optimal pick-up function, it is important that:

- The crop enters the machine evenly and you drive in the opposite direction of the mower conditioner wherever possible.
- The forward speed is adjusted to the amount of crop and is not so high that there are frequent blockages.
- You drive as straight as possible into the crop and are aware of this when turning in the field.

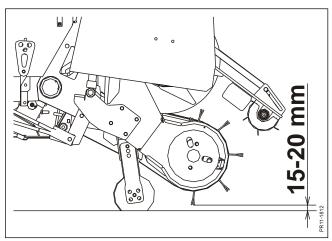


Fig. 6-5

Fig. 6-5 The underside of the pick-up is equipped with steel support rollers, which are height-adjustable. The wheels have been adjusted at the factory so that there is 15-20 mm space between the tines and even and firm ground.

Regularly check that the pick-up tines do not extend further down than is necessary in order to pick up the swath efficiently. If the tines hit the ground too hard, they will wear quickly and the pick-up drive may be overloaded.

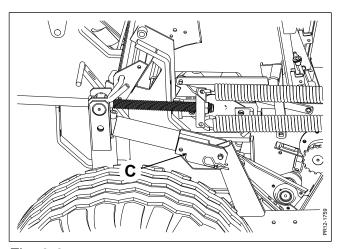


Fig. 6-6

Fig. 6-6 Before making any adjustment, the cylinder stop **C** must be engaged and secured using the pin.

Lift the pick-up completely during transport and when turning. When driving through soft areas in the field, the pick-up can be partially raised to avoid picking up earth, etc. The position of the pick-up is locked, in both the raised and partially raised position. The supporting rollers can only follow the ground when the pick-up is fully lowered. It takes around two seconds to lower the pick-up completely with the joystick activated.

BLOCKAGES IN THE MACHINE

Auger and feed intake section:

In cases where a blockage in the auger or feed intake section is established, place the system in the neutral position and reduce the RPM.

This stops both the auger and feed in immediately, and enables you to see what has happened.



DANGER:

Do not approach the machine when the feed intake is in neutral position and the rotor is rotating. Neutral position does NOT guarantee that the feed intake will not start.

Now move the reverse system to reverse position at a low RPM (the push-button on the control box). This raises the auger, the feed intake runs "backwards" and the material in the machine is reversed out. We recommend reversing slowly with the machine while the material is pushed out. This creates room for the grass being reversed out and leaves it as a regular "swath".

After reversing, increase the machine to the normal RPM setting. Then set the auger and feed intake section to normal feed in (toggle switch on the control box). It is important to have a normal RPM setting, as otherwise the chute or the rotor may become clogged.

The rotor

In the event of a blockage in the rotor, immediately change to neutral position and turn off the power transmission. This stops both the auger and feed in immediately, and enables you to see what has happened.

To enable the feed rollers to pull the material out of the rotor, they must be disconnected during reversing. The procedure is as follows:

1) Go to the machine when the power take-off has been disconnected and the engine has stopped.



DANGER:

Do not approach the machine until the rotating parts have come to a complete standstill and be aware that neutral position does not guarantee that the feed intake will not start

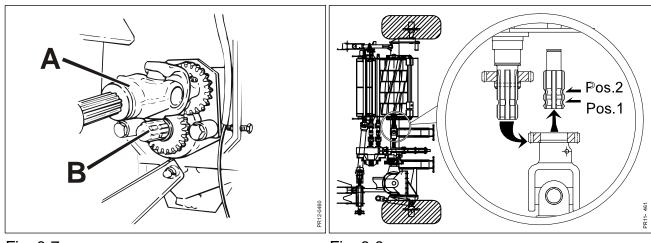


Fig. 6-7 Fig. 6-8

Fig. 6-7 2) Move the PTO shaft A for the rotor to the alternative pin in **position 1** where the gear wheels are not meshed. This means that there is no power to the rotor.



WARNING:

It is important that the PTO shaft is NOT moved to position 2, where the rotor rotates in the opposite direction. This position must be used for grinding only.

- 3) Connect the power take-off again at a low RPM setting, move the reverse function to reverse position and reverse the material out of the machine.
- Fig. 6-7 4) After reversing, disconnect the power take-off again, and when the rotor has come to a complete standstill, move the PTO shaft **A** for the rotor back to the pin **B** for driving the rotor.
 - With the reverse function in neutral, it **is now normally possible** to "blow" the chopped grass in the rotor housing out of the chute, unless this is also blocked. In order to "blow out the rotor housing", it is necessary to increase the RPM setting to maximum!
 - 6) Move the reverse function back to normal feed intake, and operation can be resumed.

FOLLOWING OPERATION

You must always bring the reverse system into neutral position when you have finished working. This slackens the V-belts on the V-belt drive.

MISCELLANEOUS

If you use ensiling agents, the relevant safety instructions for these must be observed.

It is particularly important to use eye protection.

WORKING POSITIONS

The position of the drawbar may be continuously adjusted using the hydraulic cylinder on the side of this. In order to avoid obstacles, etc. in the field, it is possible to freely adjust the position of the drawbar during operation due to the fact that the drawbar goes above the pick-up

The wide pick-up width of the machine allows the forage harvester to be operated in several positions in relation to the tractor:

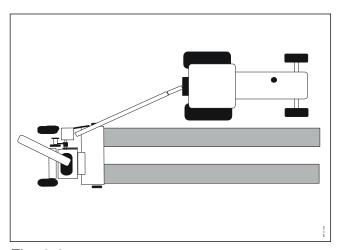


Fig. 6-9

Fig. 6-9

1) The forage harvester collects grass at the side of the tractor, i.e. offset. This allows a single wide swath or two double swaths to be collected, which is very well suited to the forage harvester. This is a very good operating technique when the crop is to be loaded into a trailer on the right hand side of the forage harvester.

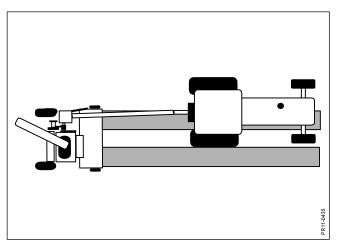


Fig. 6-10

Fig. 6-10 2) The forage harvester is now working in a semi-offset position, as the tractor is being driven with one set of wheels between the swaths. This technique results in an even row line, and is suitable for loading on both sides. The parallel tractor being driven to the left can get closer to the forage harvester and it is easier to position the trailer in relation to the crop row.

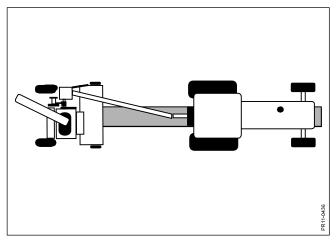


Fig. 6-11

Fig. 6-11 3) The forage harvester is working in an in-line position, as the tractor is being driven over the lying swath. This technique is naturally best suited to harvesting individual swaths, as the operation of the tractor in the crop is avoided. The technique is still suitable for loading on both sides and brings the tractors close to each other.



CAUTION:

The maximum angle that a PTO shaft may work with is 20°. It is recommended that the drawbar be placed in the transport position before turning sharply to the right, or into the position corresponding to working in-line (see Fig. 6-11).

HYDRAULIC TOW HITCH (AUTO-HITCH)

Machines can be supplied with a hydraulic hitch for the connection of trailers. The maximum draw eye pressure is 2,000 kg. Maximum total weight of trailer being towed: 15,000 kg.

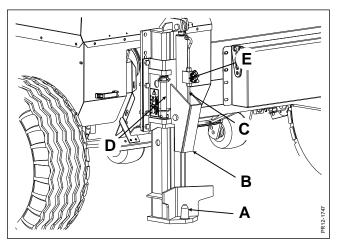


Fig. 6-12

- Fig. 6-12 The hydraulic hitch B has been fitted with a tow hitch A, that can be hydraulically raised and lowered by the double acting cylinder C. The hoses from the cylinder C must be connected to a vacant valve on the valve block. The hydraulic hitch **B** is then operated using one of three toggle switches located at the front of the control box.
- Fig. 6-12 The machine must be reversed up to the drawbar of the trailer in cases where a trailer is being connected. The tow hitch A must be lowered to pick up the hitch eye of the trailer. The trailer is raised using the hydraulic cylinder C until it reaches its block position. A hydraulic lock valve **E** fitted to the cylinder **C** ensures that the hitch eye A remains in its raised position. If the trailer has been fitted with a connector for lighting and hoses for tipping and braking, these must be fitted subsequently.



IMPORTANT: When driving on public roads with a trailer connected to the hydraulic hitch B, the locking pin D MUST be removed from its holder and be placed through the frame on the hydraulic hitch B, so that hitch eye A is mechanically locked; see fig. 6-12. This must be done in order to comply with the applicable road traffic legislation

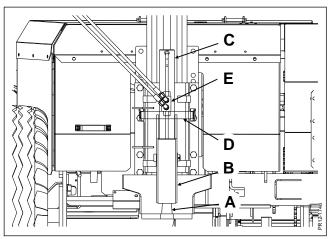


Fig. 6-13

Fig. 6-13 The trailer is unhitched in the following way: Position locking pin **D** so that it locks the hitch eye **A**; remove the locking pin **D** and place it in the holder of the hydraulic hitch **B**. Then lower hitch eye **A** by activating cylinder **C**. The trailer will be released once hitch eye **A** has been lowered. Remember also to remove any connectors for lights and hoses for tipping and braking where fitted.

7. MAINTENANCE

GENERAL



WARNING:

When carrying out repairs or maintenance on the machine, it is particularly important to follow appropriate personal safety rules. You must therefore always park the tractor (if coupled) and the machine in accordance with points 1-20 of the "GENERAL SAFETYRULES" at the beginning of this user manual.



IMPORTANT: Re-tighten screws and bolts on your new machine after a few hours of operation. The same applies after carrying out any repairs. Particular care must be taken to ensure that the blades on the rotor are re-tightened carefully.

Torque measurements MA for bolts on the machine (unless stated otherwise in this instruction manual):

A Ø	Class: 8.8 M _A [Nm]	Class: 10.9 M _A [Nm]	Class: 12.9 M _A [Nm]
M 8	25	33	40
M 10	48	65	80
M 12	80	120	135
M 12x1.25	90	125	146
M 14	135	180	215
M 14x1.5	145	190	230
M 16	200	280	325
M 16x1.5	215	295	350
M 18	270	380	440
M 20	400	550	650
M 24	640	900	1,100
M 24x1.5	690	960	1,175
M 30	1,300	1,800	2,300

GUARDS

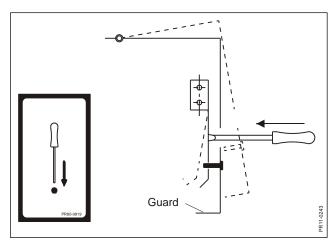


Fig. 7-1

Fig. 7-1 When maintaining the machine, you will often need to open or remove guards. All guards have been fitted with locks for safety reasons. The lock ensures that the guard cannot be opened without using a tool. The figure illustrates the locking principle and the corresponding transfers which indicate and illustrate the locks on the machine.

REPLACEMENT OF BLADES

See description for replacement of blades in the rotor and the subsequent adjustment in the section REPLACEMENT AND ADJUSTMENT OF BLADES in chapter 4 "ADJUSTMENTS".

CHECKING THE PLAY IN THE WHEEL BEARING

To perform this check, you must raise the axle off the ground until the wheel spins freely. To adjust the wheel play, take off the hub cap, remove the cotter pin and tighten the hub nut until there is noticeable resistance. Then rotate the hub nut backwards until the first cotter pin hole lines up. Insert the cotter pin and bend it, fill up the hub cap 3/4 with new grease and refit.

TYRE PRESSURE

The table below indicates the recommended tyre pressure.

	Tyre dimension	Tyre pressure [bar]
Wheels on the machine	13.5/75-430.9	3.5
Wheels on the machine	500/50-17	2.2
Rubber wheels for pick-up (accessory)	3.50-6/ 4	3.0

A reduced tyre pressure for the machine itself may be used in an emergency situation for driving in areas where a particularly large carrying capacity for the machine is required (meadows, sandy soils, etc.)



CAUTION:

Check the tyre pressure regularly and make sure that the wheel fixing nuts are tightened correctly

FRICTION CLUTCH

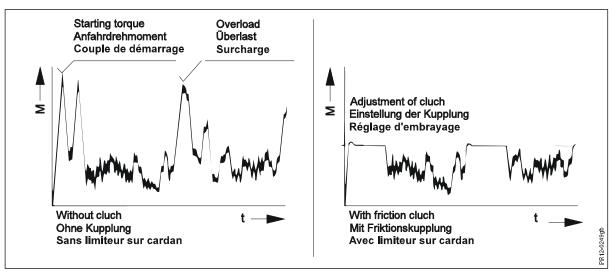


Fig. 7-2

Fig. 7-2 To ensure a long life for your tractor and machine, the machine is supplied with a **friction clutch** on the front PTO shaft. The figure illustrates how the clutch protects the transmission against high torque peaks and at the same time is capable of transmitting the torque while it is operating for short periods (slips).

In order to ensure the clutch functions as intended, it must be "vented" at specific intervals, as dirt and moisture can lead to the clutch becoming "set".

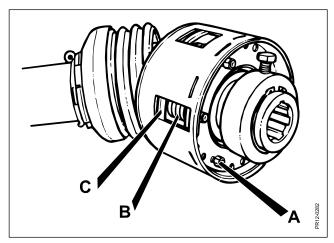


Fig. 7-3

- **Fig. 7-3** Before using a new machine and following longer periods of inactivity, e.g. winter storage, **the clutch must be "vented".**
 - The six nuts A on the flange must be tightened. This presses the tines B together so that they do not press on the clutch plates C and the clutch can rotate freely.
 - 2) Allow the clutch to rotate for around 30 seconds. This will release any dirt, material coatings and any rust on the plates.
 - 3) The nuts A must be tightened again, until they are level with the threads on the bolts, and the tines B will once again press on the clutch plates C.

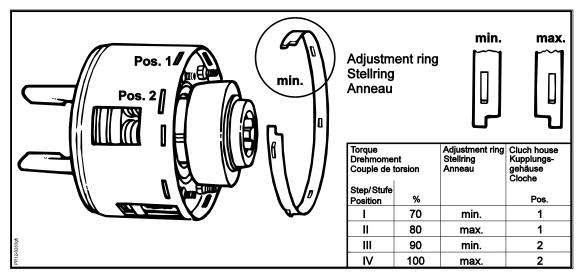


Fig. 7-4

- Fig. 7-4 The torque of the friction clutch is adjustable. However, you must not change the factory setting before contacting your dealer or the factory's service department. The friction clutch has four different torque settings. The setting can be altered by turning adjustment ring **D** and selecting between two different positions in the clutch housing.
 - 1. The adjustment ring has a **minimum** and a **maximum** position.
 - 2. The clutch housing has two sets of grooves **E** at different heights that the adjustment ring **D** can be fitted in for **position 1** and **position 2** respectively.

GUIDELINES FOR TORQUE ADJUSTMENTS:

P 600	PWE 675 (1 3/4" 20 splines)	PWE 580 (1 3/8" 21 splines)	Adjustments
2700 Nm	2700 Nm	1,800 Nm	Level I
3000 Nm	3000 Nm	2100 Nm	Level II
3300 Nm	3300 Nm	2350 Nm	Level III
3600 Nm	3600 Nm	2600 Nm	Level IV

The clutch is supplied by the factory at the recommended setting, and should not be adjusted higher than this!

The torque setting may **only** be adjusted when the nuts **A** (on Fig. 7-3) have been tightened. After adjustment, the nuts can be slackened again to the ends of the bolt.



WARNING:

If the clutch is overloaded by having longer glide times, it will become hot and quickly become worn.

Overheating will damage the friction plates. The factory warranty supplied with the machine will be void if the clutch is blocked or rendered such that it is unable to function in some other way.

FUSES

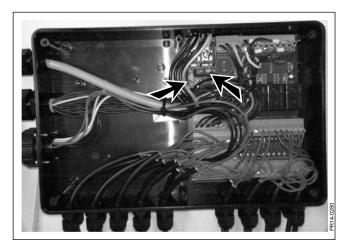


Fig. 7-5

Fig. 7-5 The control system for the machine contains two 10 A fuses. The fuses must only be replaced with fuses with the same rating. With the exception of the replacement of fuses, servicing must only be carried out by an authorised KONGSKILDE retailer/Service technician.

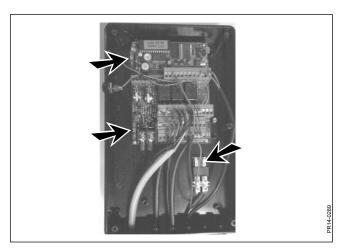


Fig. 7-6

Fig. 7-6 There are two 10 A fuses and one 5 A fuse in the MD control unit. The fuses must only be replaced with fuses with the same rating. With the exception of the replacement of fuses, servicing must only be carried out by an authorised KONGSKILDE retailer/Service technician.



WARNING:

Never use fuses with a higher rating. This may damage the control system. If the fuses blow, there is a fault in the electric system.

MISCELLANEOUS

ROLLERS

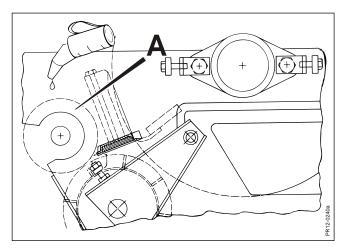


Fig. 7-7

Fig. 7-7 The rear upper feed roller, the smooth roller **A**, should be protected from the formation of rust on the surface. The entire surface should be lubricated with a thin layer of oil if the machine is not in use for a period of more than one day.

CHAIN TIGHTENER FOR PICK-UP AUGER

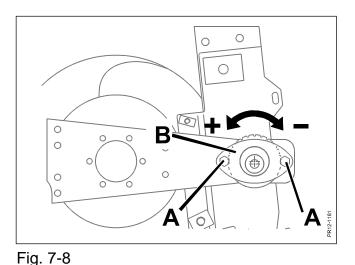


Fig. 7-8 Two bolts **A** must be loosened to allow the eccentric **B** to be turned with a screwdriver, etc. Turn in the **+** direction in order to tighten and in the **-** direction to loosen.



CAUTION:

It should always be possible to move the chain at least 20 mm up and down in the middle in order to avoid over-tightening.

8. LUBRICATION

PROGRESSIVE LUBRICATION BLOCK

The machine may be equipped with a progressive lubrication block. This block ensures that the grease points connected receive the correct quantity of grease.

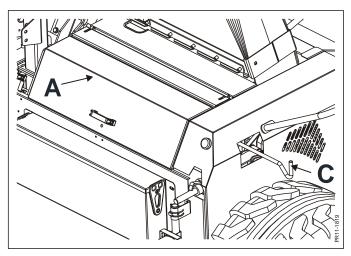


Fig. 8-1

Fig. 8-1 The block is fitted under guard A.

Lubrication must be performed for every **10 hours** of operation via the block until the blade rotor bearings have been lubricated. All of the grease points connected will have received enough grease by this time.

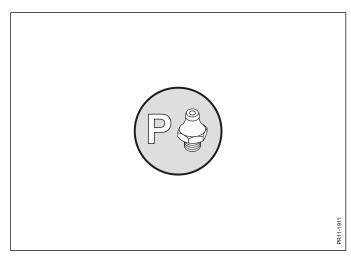


Fig. 8-2

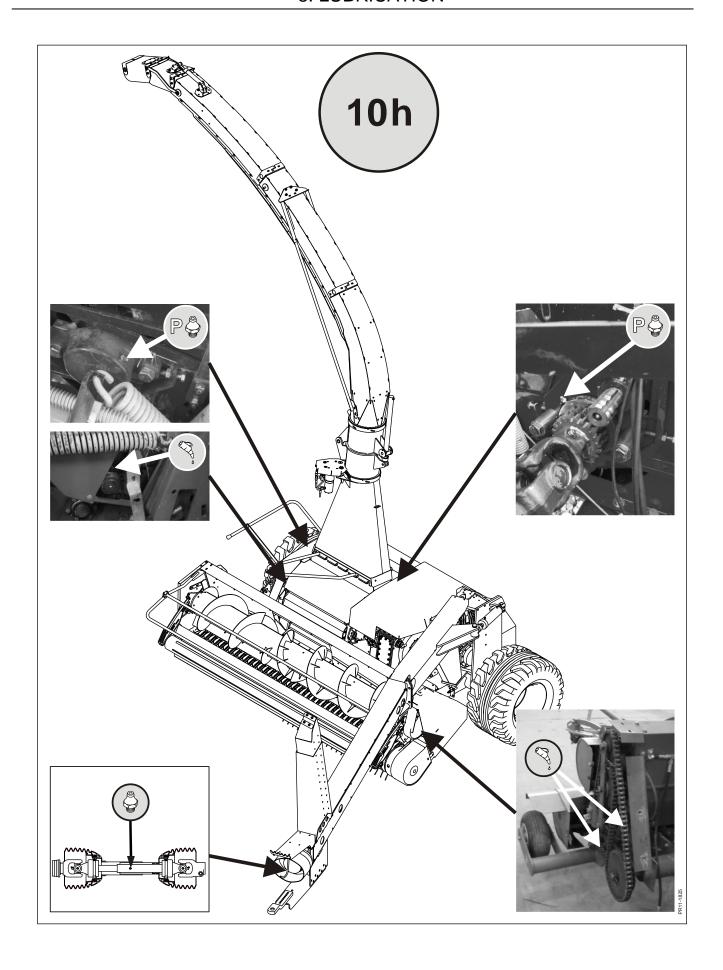
Fig. 8-2 The grease points connected are indicated using this symbol in the following figures. Lubrication must be performed individually at the interval specified if the machine has not been fitted with a lubrication block.

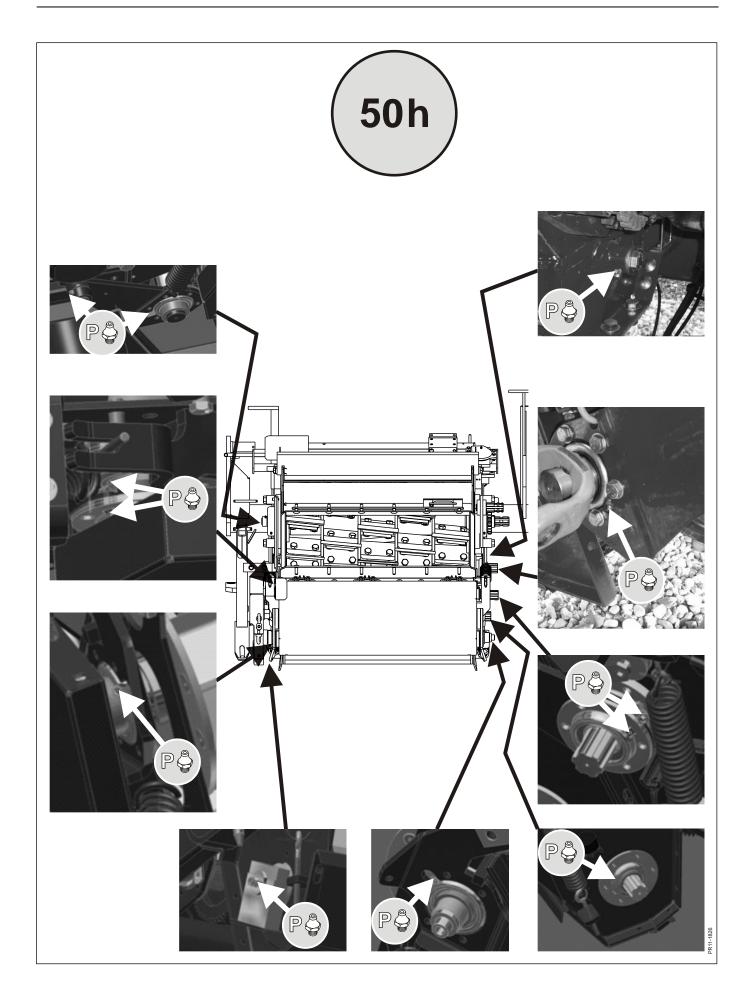


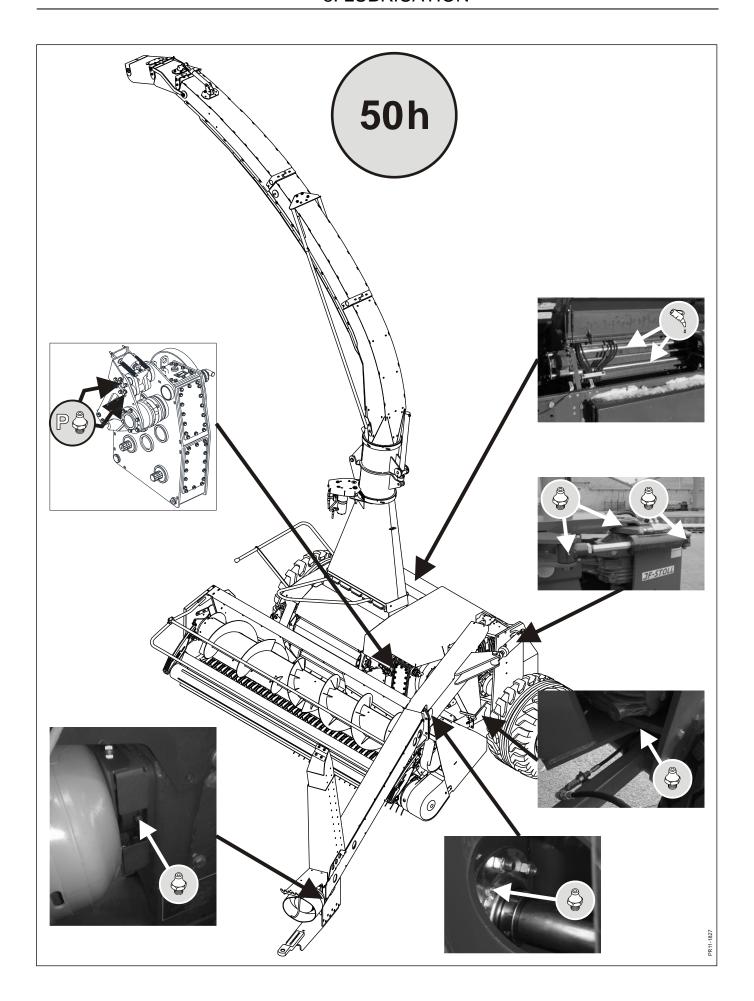
IMPORTANT! Regular checks must be made to ensure that the lubrication hoses are intact and fitted correctly.

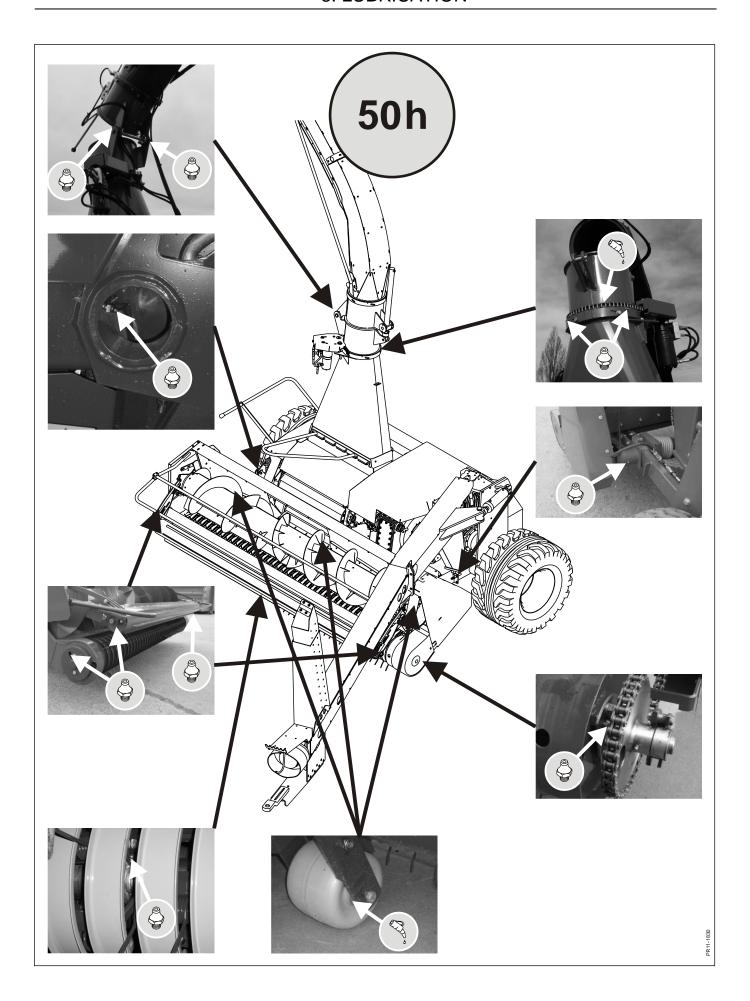


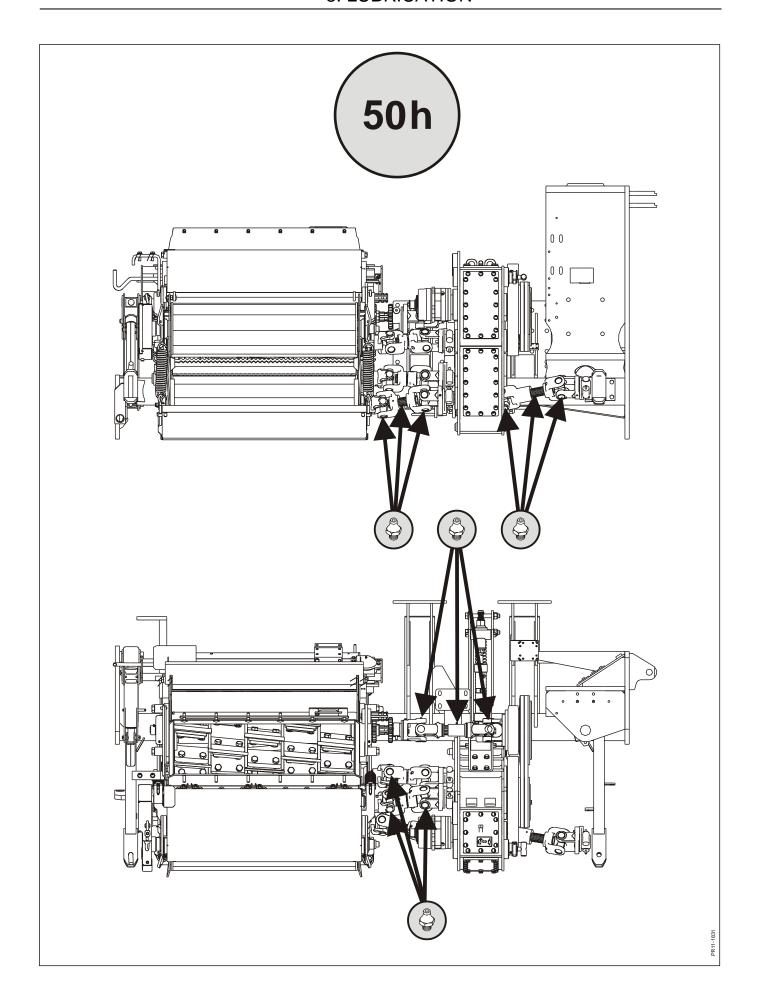
IMPORTANT! One or several grease points may be blocked if it is not possible to squeeze grease into the block.

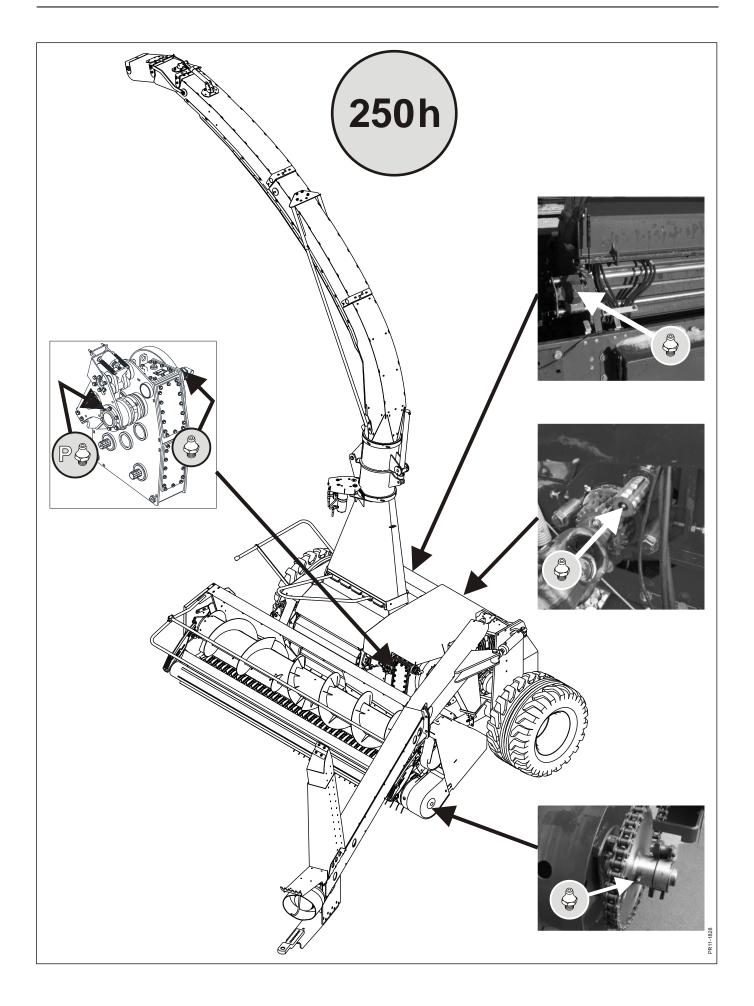


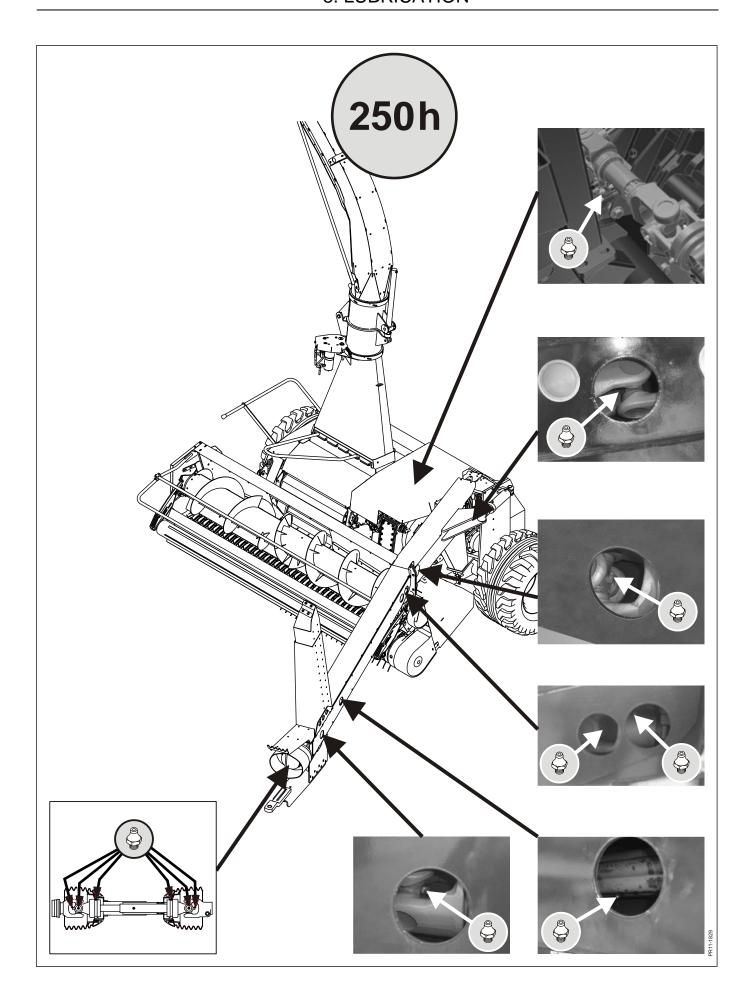












GEARBOX OIL

Rotary gear

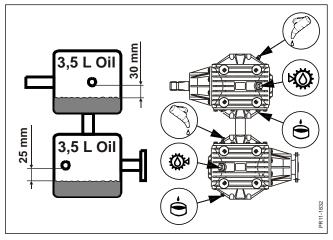


Fig. 8-1

Fig. 8-1

	Oil content	Quality
Rotary gear, upper part	3.5	85W-140
Rotary gear, lower part	3.5	85W-140



IMPORTANT:

The oil in both the upper and lower part should be 30 mm and 25 mm respectively below the check plugs on the side of the rotary gear, as shown in the figure.

• Oil change: After the first 10 operating hours and annually thereafter.

Harvesting gear, FCT 1260

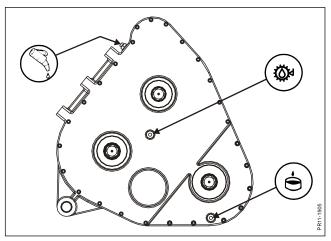


Fig. 8-2

Fig. 8-2

Oil content	Quality
3.5	80W-90

The oil status is checked using the sight glass. The correct position of the gearbox is neutral for checking and topping up the oil.

• Oil change: After the first 10 operating hours and annually thereafter.

Harvesting gear, FCT 1260MD and FCT 1460MD

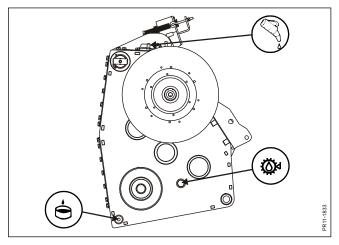


Fig. 8-3

Fig. 8-3

Oil content	Quality
10-11 I	80W-90

The oil status is checked using the sight glass. The correct position of the gearbox is neutral for checking and topping up the oil.

• Oil change: After the first 10 operating hours and annually thereafter.

LUBRICATING WHEEL HUBS

Disassemble the wheel hubs.

Clean the hubs thoroughly inside and out.

Carefully clean and inspect both of the wheel bearings.

Refill new grease.

Grease the wheel bearings with a 10 mm thick layer of grease.

After fitting and adjusting the play of the wheel bearings (see Chapter 7: **MAINTENANCE**) fill the hubcaps 3/4 full of grease and refit.

9. STORAGE (WINTER STORAGE)

The machine should be prepared for winter storage immediately after the end of the season. Start by cleaning the machine thoroughly. Dust and dirt absorb moisture and moisture increases the formation of rust.



CAUTION:

Be careful when cleaning with a high-pressure cleaner. <u>Never</u> spray directly onto bearings, and grease all grease points carefully after cleaning, so that any water is forced out of the bearings.



IMPORTANT: Grease all grease points after cleaning the machine.

The following points provide guidelines on how to prepare for winter storage:

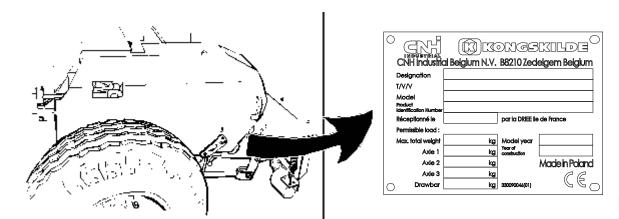
- Check the machine for wear and other defects Make a note of the parts you will need before the next season and order the spare parts;
- Disconnect the PTO drive shafts, lubricate the profile tubes and keep them in a dry place;
- Spray the machine with a thin coat of rust-preventing oil. This is especially important for parts that become polished with use;
- Change the oil in the gearboxes.
- Store the machine in a ventilated machinery store;
- Jack up and support the machine to relieve pressure on the tyres.

10. ORDERING SPARE PARTS

When ordering spare parts, state the type designation and serial number of the machine.

You will find this information on the rating plate. You should make a note of this information on the first page of the spare parts catalogue supplied with the machine as soon as possible after delivery, so

that you have it to hand when ordering spare parts.



2

11. DISPOSING OF THE MACHINE

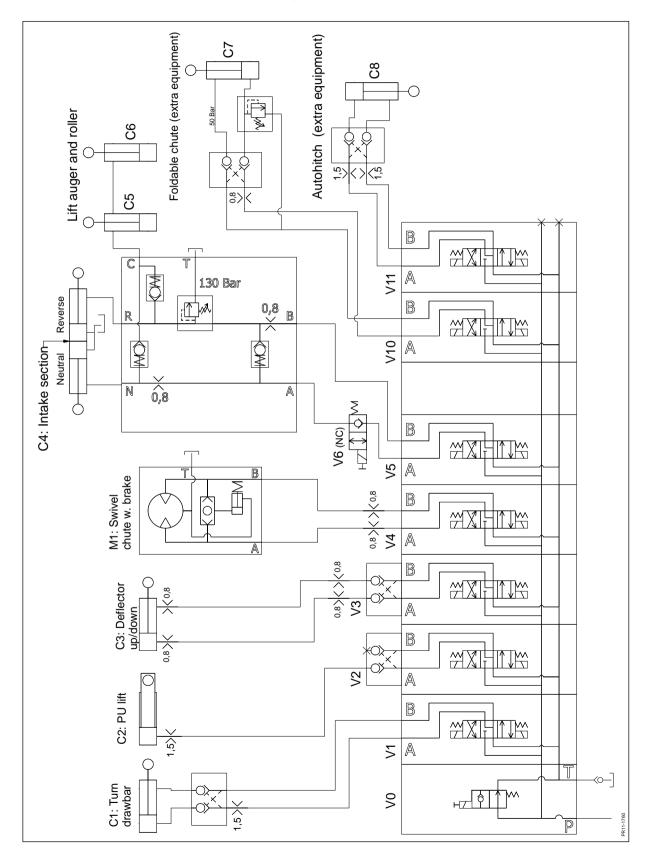
At the end of the machine's life, it must be disposed of in an appropriate manner.

Observe the following:

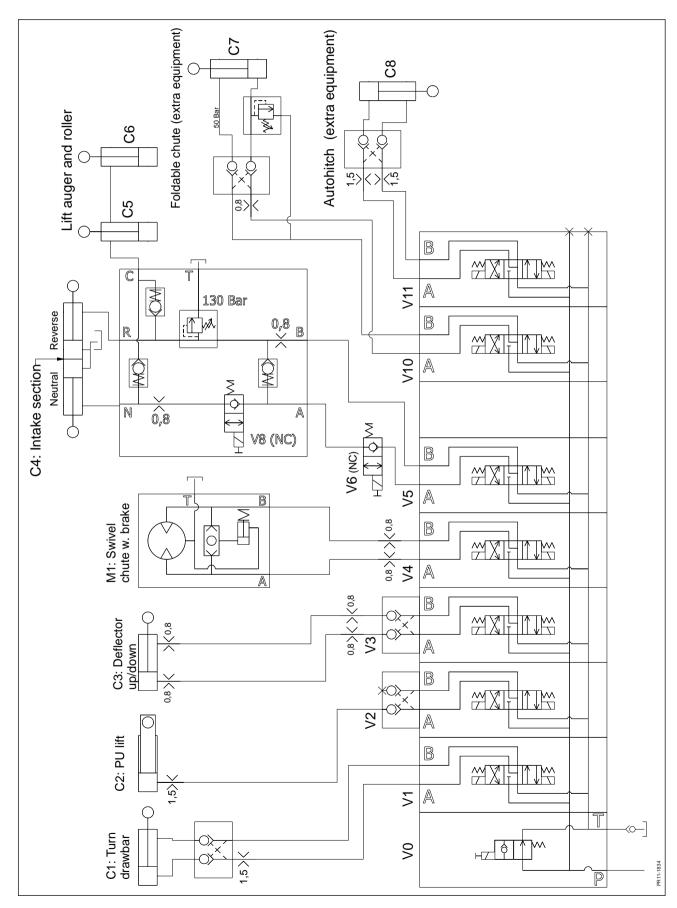
- The machine must **not** be disposed of in the natural environment;
- Gears, cylinders and hoses must be drained of oil and the drained oil must be taken to a disposal firm.
- Remove all consumables, e.g. PTO shafts, tyres and hydraulic components, etc. from the machine.
- Take re-usable parts to an authorised recycling centre. Large scrap components should be taken to an approved breaker's yard.

12. MISCELLANEOUS

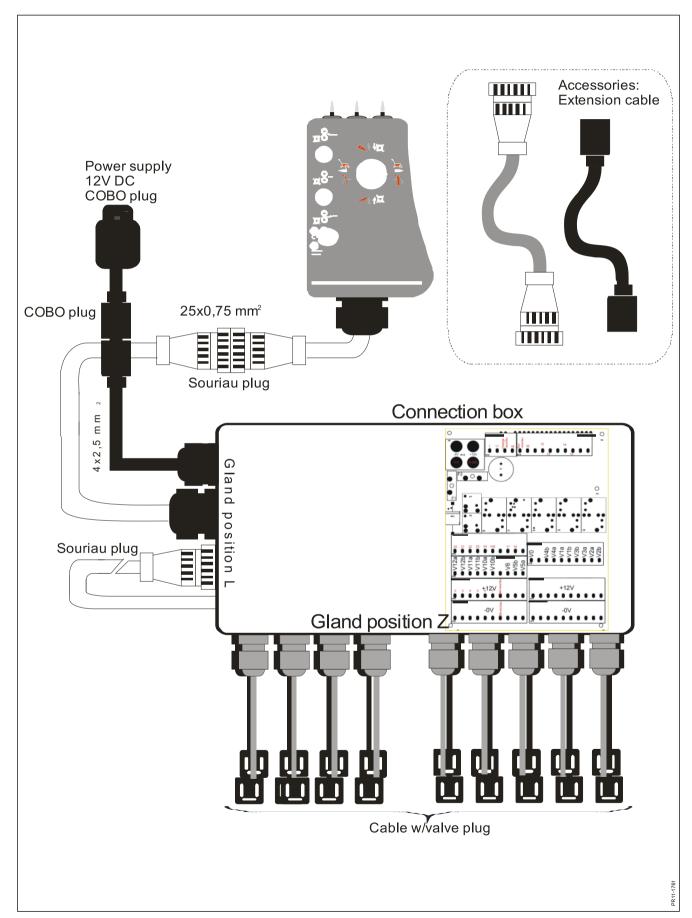
HYDRAULIC DIAGRAM, FCT 1260



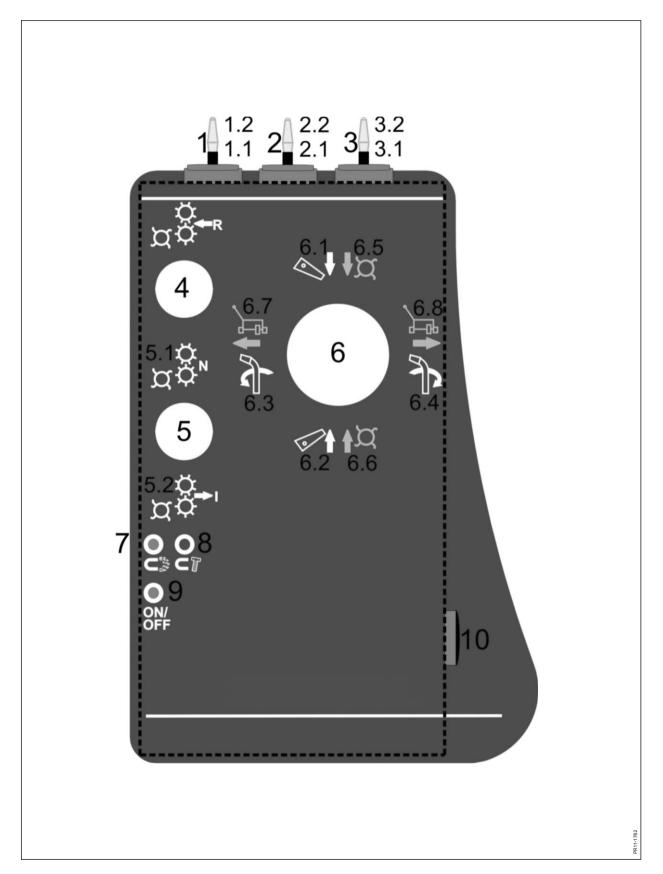
HYDRAULIC DIAGRAM, FCT 1260MD AND FCT 1460MD



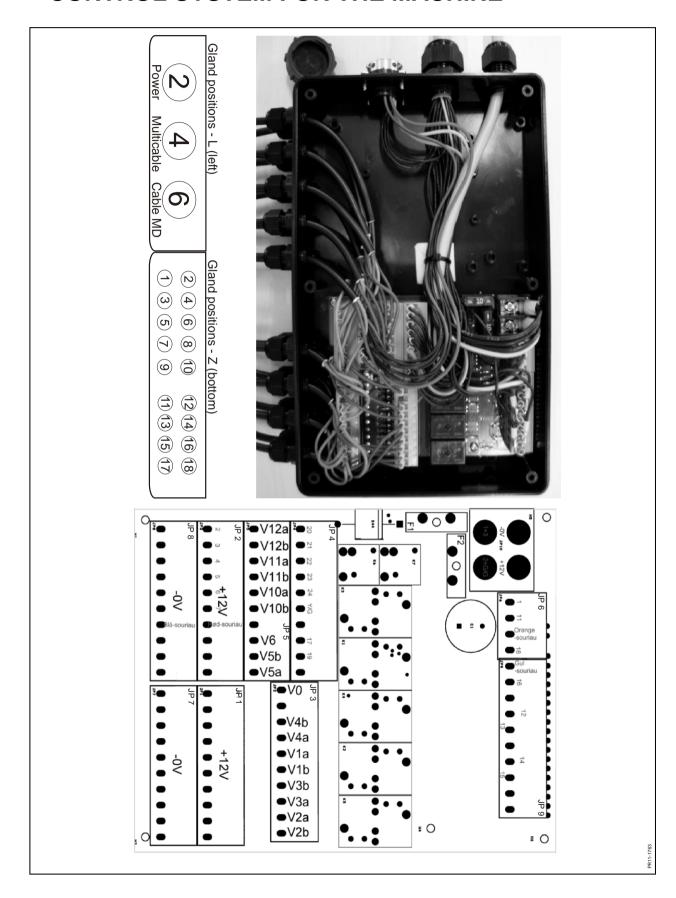
CONTROL SYSTEM



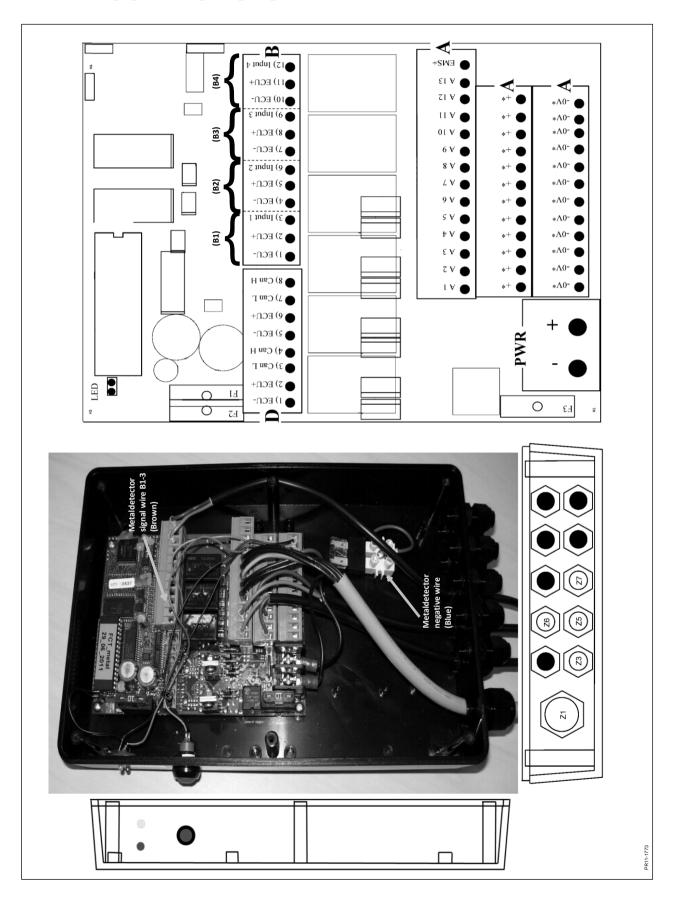
CONTROL BOX



CONTROL SYSTEM FOR THE MACHINE



MD CONTROL SYSTEM



CONTROL SYSTEM FOR THE MACHINE - WIRING

Prewired	2															>-	-		>	· >-	>->	- >-	>	> >	>	>	>	
Pre	E				- Bnld	- bnla			$\frac{1}{1}$		\perp	ي پ	ш	٥	2	H	-	H	-	H	 	-		+	\parallel	$\frac{1}{1}$		
			oystick PCB	pin A	Souriau plug - pin B Double function MD/Onboard - Souriau plug	pin C Double function MD/Onboard - Souriau plug		Multiple cores to ensure power supply				Status LED from MD -Souriau plug - pin E	om MD -Souriau plug - pin	Coverage for LED when delivered w/o MD	JIII MD - Soundu piug - pii I & JP2	th valve connector	th valve connector	2x0,75mm² with valve connector	2x0.75mm² with valve connector	2x0,75mm² with valve connector	th valve connector	2x0,75mm² with valve connector	th valve connector	2x0,75mm² with valve connector 2x0.75mm² with valve connector	2x0,75mm² with valve connector	2x0,75mm² with valve connector 4x2.5mm² with Cobo plug	25x0,75mm² w/Souriau connection	
		Comment		Souriau plug -	Souriau plug - Double function	pin C Double function	pin D	Multiple cores				Status LED fro	Status LED fro	Coverage for I	Supply for JP1	2x0,75mm² wi	2x0,75mm² with valve con		2x0 75mm² wit	2x0,75mm² wit	2x0,75mm² wit	2x0,75mm² wit	2x0,75mm² wi	2x0,75mm² wii 2x0,75mm² wii	2x0,75mm² wit	2x0,75mm² wit	25x0,75mm² w	
		Label														V4B/(V1A	V3B / (V2/		9/	V5a	V5b				V10b	0/		
		Gland														Z11 / (Z18)	Z13 / (Z16)	Z14 / (Z15)	29	Z8	7Z	712	Z4	Z9 Z9	Z2	Z10	L 4	
	Θ.	al Length (m)														1,0	0,1	1,0	0	1,0	+	╁	Н	1,0	H	1,0	10,0	
	Negative	al Termina wire colour		Blue	X 60											Blue	Blue	Blue	a a	Blue	Blue	Blue	Blue	Blue	Blue	Blue		
suctions	Positive	vire wire vere colour colour																										
Wire	Signal	n termina n° wire colour														Brown	Brown		Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown		
		Connection print PCB n° 1 OUT		7_84U	JP2_/		.IP6 1	JP2_1	JP2_2	JP2_4	JP2_5	1				JP3_3/(5)	JP3_4/(6)	JP3_8/(10)	. P5	JP5_10	JP5_9	JP5_2	JP5_3	JP5_4 JP5_5	JP5_6	JP5_1		
,		Out-DOut-A														2	2 2	2	-	1		- 1-	1		1	-		
Signal for	Signal type	In-Ana Ou																										
		In-Dig																										
	Connection	print PCB n° s			JP6_3	Orange	JP9_1 Yellow								JP6_2	JP9_4	JP9_7	JP9_8	JP9_2	JP6_4	JP4_9	JP4_2	JP4_3	JP4_4 JP4_5	JP4_6			F1
		Souriau					Ť	В	00	ш	u с)]	E	¬ 2	د ۷	Σ:	z a	~	ω⊢	· n	> W	×	1	Z a	q			
	Multi-						-	2	ω 4	5	9	. 0	0	0 0	11	12	13	15	16	18	19	21	22	23	25		L	
			Led Power ON - System Power indicator	0 volt power supply for Metal detector +12 volt power supply Metal detector	(ON/OFF switch via main relay)	V5a input from MD	V0 input from MD	+12 volt power supply (main relay)	+12 volt power supply (main relay)	+12 volt power supply (main relay)	+12 volt power supply (main relay)	MD ON Oracle CE Lead in Landing	MID ON GLEEF PLACED III JOYSHCK CADHIEL	MD STOP Red LED placed in Joystick Cabinet	FCT Onboard ON/OFF (main relay)	Ľ			Joystick top button primary/(secondary) function	V5a Valve	V5b Valve	V12a valve V12b Valve	V11a Valve	V11b Valve	V10b Valve	V0 Valve - Master valve (ex. V6) Power cable	Multicable	Fuse 10 Amp for +12V
		Function	Joystick LED 9	Internal power	Internal power	MD input	MD input Joystick power	Joystick power	Joystick power	Joystick power	Joystick power	7 po distorted	Joystick Led /	Joystick Led 8	Joystick sw 10	Joystick 6.3 / (6.7)	Joystick 6.2 / (6.6)	Joystick 6.1 / (6.5)	Joystick top button	Joystick sw 5.1	Joystick sw 4	Joystick sw 3.2	Joystick sw 2.1	Joystick sw 2.2 Joystick sw 1.1	Joystick sw 1.2	Internal	Connection	Fuse

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MD CONTROL - WIRING

	Prewired (Y/N)	>	>	>	> :	> >	· _	>	>	z	z	z	> >	- >-								
	Prewi											-										
	Label Comment	2x0,75mm² with valve connector	2x0,75mm² with valve connector	7*1,5mm² w/Souriau plug - pin E	7*1,5mm² w/Souriau plug - pin F 7*1,5mm² w/Souriau plug - pin G	7*1,5mm² w/Souriau plug - pin C	*1,5mm² w/Souriau plug -pin D	LED placed in Jobcomputer blackbox	Push switch placed in Jobcomputer blackbox	Inductiv Sensor	2x0,75mm² with connectors + shield	nductiv Sensor	REED Sensor	7*1,5mm² W/Souriau plug - pin A	-							
	Label	SP1	88		12 12					S3	MD	S2 I	S1	- 1-								
	Gland	£Z	Z2		7	ı				6Z	9Z	Z8	Z2	Z1								
	Length (m)	4,0	1,0		1.5					2,0	.) 5,0	2,0	2,0	1,5								
	Negative Terminal wire									Blue	Blue (ext. fuse	Blue	Blue									
g	itive ninal	Brown	Brown							Brown	Blu	Brown										
Wire connections	Signal Term terminal wire colour	Blue	Blue	5	9 9	Yellow/Green 3	9 4			Black	Brown	Black	Brown									
	Terminal	A1 A2	A3 A4	A5	A6	A8	9A	A10	A11	A12	B1-3	B3-9	B4-12	Power +		CAN Low	CAN High	F3				
	Out-D Out-A Type comment	Operated as ON/OFF output	Operated as ON/OFF output																			
Signal type	Out-A	1																				
io																						
	In-Ana																					
_	n-Dig								Ì	<u>`</u>		<u> </u>										
	Souriau			Ш	ш O	O	ο							∢ m								
	Functional description	SP1 - MD release	V8 hydraulic valve	Green LED placed in Joystick Cabinet (7).	Red LED placed in Joystick Cabinet (8). Yellow LED placed in Joystick Cabinet.	(Clutch alarm) V5a - Valve	-	Metaldetector function activated LED	De-activation of metaldetector-function	Clutch sensor (S3)	Metaldetector	Metaldetector/Rockdetector 2 Clutch sensor ref(S2)	Reverse sensor (S1)	Supply power Wire 1 Supply power Wire 2	0 volt power supply for monitor	CAN Low	CAN High	Fuse 10Amp for output A1-10				
	Category	Machine	Hydraulic	Joystick	Joystick	Joystick Hydraulic	Hydraulic	Jobcomputer box	Jobcomputer box	Machine	Machine	Machine	Machine	Power	Power	COM	COM	Fuse				

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DIAGRAMS

The figures above show the hydraulic and electric diagrams for the machine. This enables you to follow the wiring system between the components, e.g. when maintaining or replacing cables and hydraulic hoses.

FAULT FINDING (MD)

The most commonly occurring faults for the (metal detector) system are described in the table below. The table describes the possible cause and how you can remedy it yourself.



CAUTION:

If you are in any doubt about how to deal with a potential fault in the MD system, always contact a KONGSKILDE dealer or KONGSKILDE importer for professional guidance. This avoids you running the risk of using a defective system.

Problem	Possible cause	Remedy procedure
The electronics are not activated when the control box is turned on using the switch on the side.	1) There is no power supply. 2) A fuse has blown in the machine's control system. 3) Damage to one or more of the cables has caused a short circuit.	 Check and/or establish the power supply from the tractor. The earth connection must be in working order. Replace the fuse(s). Check cable connections and repair/correct if necessary.
No metal is detected when the MD system is checked with magnetic metal between the front rollers before starting, or metal passes through the feed intake section without being detected.	1) Fault or defect on the magnetic tub. 2) The wire connection to the magnetic tub is defective. 3) The metal detector is turned off.	 Return the magnetic tub to Kongskilde for adjustment or replacement. Correct/repair defects on the wire connection. Turn on the metal detector.
Metal reaches the rotor despite being detected and the feed intake stopping.	The distance between the pawl and the ratchet wheel is too great, and the wheel revolves too much before the pawl becomes meshed.	Adjust the distance between the pawl and the ratchet wheel with the adjusting screw above the coil. The distance must be approximately 1 mm and a maximum of 2 mm.
The machine does not respond to the control box.	1) The control system is not switched on. 2) There is no oil flow.	Switch on the control system. Establish constant oil flow from the tractor.

12. MISCELLANEOUS

Problem	Possible cause	Remedy procedure
Following a stoppage caused by metal, the machine does not show that this has been resolved,	The magnet does not come in the vicinity of the detector.	The ball bearings and seal ring must be checked to ensure there is enough friction to draw the magnet up to the detector
despite reverse feed intake having been performed.	The detector does not detect the magnet	The wiring must be checked and repaired if necessary, or the detector must be replaced
Although normal feed intake position is established, the pawl is still meshed.	Fault in the wire for the coil.	Repair or replace the wire.
Metal is detected, but there is no metal in the feed intake section.	1) The adjustment of the magnetic field from the magnetic tub has been altered. 2) There are loose metal parts/swarfs in the roller which are disturbing the magnetic field. 3) The power supply from the tractor is insufficient. The MD system "consider" reduced voltage drops (under 8 V) to be interference, i.e. metal detection. 4) The machine indicates a stoppage caused by metal at a specific RPM 5) Fault in the electronics, wiring to the magnetic tub or the magnetic tub itself	 Disconnect the magnetic tub and send it to Kongskilde for adjustment. Clean the roller and the tub of loose metal parts/swarfs. Check if the voltage supply from the tractor is correct – 12 V when the tractor is turned off. The earth connection must be checked. One or several rollers has/have become magnetic. Disconnect the rollers individually until the roller in question has been identified. The roller must be demagnetised. A process of elimination must be used. Disconnect the wiring to the magnetic tub in the electronics box The machine runs without a stoppage caused by metal. The wiring or magnetic tub is defective. The wiring must be tested by laying an extra wire from the box to the entry to the magnetic tub and connecting the wire to the existing wire. The machine continues to run with a stoppage caused by metal. The electrical control system is defective and must be replaced. Contact your dealer.

13. WARRANTY

Your machine is warranted according to legal rights in your country and the contractual agreement with the selling dealer. No warranty shall, however, apply if the machine has not been used, adjusted and maintained according to the instructions given in this operator's manual.

It is prohibited to carry out any modifications to the machine unless specifically authorized, in writing, by a NEW HOLLAND representative.



EF-overensstemmelseserklæring/ EG-Konformitätserklärung/ EC Declaration of Conformity/ Déclaration CE de conformité/ Dichiarazione CE di conformita/ EG Verklaring van Overeenstemming/ EG-försäkran om överensstämmelse/ EY-vaatimustenmukaisuusvakuutus/ Declaración de conformidad CE/ Deklaracja Zgodności WE./ Декларация за съответствие EO/ EK Megfelelőségi Nyilatkozat /ES Prohlášení o shodě/ EB Atitikties deklaracija/ ES prehlásenie o zhode/ Declarația de conformitate CE/ Vastavuse Deklaratsioon EÜ /ES Izjava o skladnosti/ Δήλωση πιστότητας ΕΚ/ Declaração de fidelidade CE/ Dikjarazzjoni ta' Konformità tal-KE/ EK Atbilstības deklarācija/

Fabrikant/ Hersteller/ Manufacturer/ Fabricant/ Productore/ Fabrikant/ Fabrikant/ Valmistaja/ Fabricante/ Producent/ Производител/ Gyártó/ Výrobce/ Gamintojas/ Výrobca/ Producător/ Tootja/ Proizvajalec/ Κατασκευαστής/ Fabricante/ Fabbrikant/ Ražotājs

CNH INDUSTRIAL BELGIUM N.V.

Leon Claeysstraat 3a, 8210 Zedelgem, BELGIUM

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Erklærer hermed, at/ Erklären hiermit, daß/ Hereby declare that/ Déclare par la présente que/ Dichiara che/ Verklaren hierbij dat/ Försäkrar härmed, att/ Vakuuttaa täten, että tuote/ Por el presente declara que/ Niniejszym deklaruje, że/ Декларирам, че/ Az alábbiakban kijelentem, hogy/ Tímto prohlašuje, že/ Deklaruoja, kad/ Týmto prehlasujeme, že/ Prin prezenta declar că/ Alliärgnevaga deklareerib, et/ Izjavliamo, da je/ Με το παρόν δηλώνω ότι/ Abaixo declara que / Jiddikjaraw li / Apstiprinu, ka

Maskine: La máguina: Masin: Maschine: Maszyna: Stroj: Machine: Машината: Η μηχανή: Máquina: Machine: Gép: La macchina: Stroj: II-magna:

Machine: Mašina: Mašīna: Maskin: Stroj: Laite:

Maşina:



Model/Type: FCT 1260- FCT 1460

Designation: Mower

Serial:

- er i overensstemmelse med Maskindirektivets bestemmelser (Direktiv 2006/42/EF) og hvis relevant også bestemmelserne i EMC-direktivet 2014/30/EU.
- In übereinstimmung mit den Bestimmungen der Maschinen-Richtlinie 2006/42/EG und wenn erforderlich auch mit der EMC-Richtlinie 2014/30/EU hergestellt wurde.
- is in conformity with the provisions of the Machinery Directive 2006/42/EC and if relevant also the provisions of the EMC Directive 2014/30/EU.

- est conforme aux dispositions de la Directive relatives aux machines 2006/42/CE et également aux dispositions de la Directive sur la Directive EMC 2014/30/UE.
- é in conformita' con la Direttiva Macchine 2006/42/CE e, se pertinente, anche alla Direttiva alla Direttiva EMC 2014/30/UE.
- in overeenstemming is met de bepalingen van de Machine richtlijn 2006/42/EG en wanneer relevant ook met de bepalingen van de EMC richtlijn 2014/30/EU.
- är i överensstämmelse med Maskindirektivets bestämmelser (Direktiv 2006/42/EG) ock om relevant också bestämmelserne EMC-direktivet 2014/30/EU.
- täyttää Konedirektiivin (Direktiivi 2006/42/EY) määräykset ja oleellisilta osin myös EMC-direktiivin 2014/30/EU.
- es conforme a la Directiva de Maquinaria 2006/42/CE y, si aplica, es conforme también a la Directiva EMC 2014/30/EU.
- pozostaje w zgodzie z warunkami Dyrektywy Maszynowej 2006/42/WE i jeżeli ma to zastosowanie również z warunkami Dyrektywy dot. kompatybilności elektro magnetycznej EMC 2014/30/UE.
- отговаря на изискванията на Директивата за Машините 2006/42/ЕО и ако има приложение на изискванията на Директивата за електромагнитна съвместимост 2014/30/ЕС.
- Megfelel a 2006/42/EK Gépi Eszközökre vonatkozó előírásoknak és amennyiben felhasználásra kerül, a 2014/30/EU Elektromágneses kompatibilitás Irányelv feltételeinek.
- odpovídá základním požadavkům Strojní směrnice 2006/42/ES a jestliže to její uplatnění vyžaduje i s podmínkami Směrnice 2014/30/EU týkající se elektromagnetické kompatibility.
- atitinka Mašinų direktyvos Nr. 2006/42/EB ir, jeigu taikoma, Elektromagnetinio suderinamumo direktyvos Nr. 2014/30/ES reikalavimus.
- je v súlade s podmienkami Smernice 2006/42/ES o strojných zariadeniach a pokiaľ si to jeho uplatnenie vyžaduje aj s podmienkami Smernice 2014/30/EÚ o elektromagnetickej kompatibilite.
- îndeplinește prevederilor Directivei de Mașini 2006/42/CE și dacă este utilizată de asemenea cu prevederile Directivei referitoare la compatibilitatea electro-magnetică EMC 2014/30/UE.
- on vastavuses Masinate Direktiivi tingimustega 2006/42/EÜ ning sammuti juhul, kui on tegemist sammuti on vastavuses Elektromagnetilise kokkusobivuse Direktiivitingimustega EMC 2014/30/EL.
- z določili Direktive o strojih 2006/42/ES ter, če je to relevantno, tudi z določili EMC Direktive 2014/30/EU.
- παραμένει σύμφωνη με τους όρους της Οδηγίας περί Μηχανών 2006/42/ΕΚ και σε περίπτωση που αυτό εφαρμόζεται και με τους όρους της Οδηγίας περί ηλεκτρομαγνητικής συμβατότητας (ΗΜΣ) 2014/30/ΕΕ.
- Está de acordo com exigências das Directivas das Maquínarias 2006/42/CE e no caso em que tiver igualmente aplicação com as exigências das Directivas referentes a compatibilidade electromagnética EMC 2014/30/UE.
- tikkonforma mad-dispożizzjonijiet tad-Direttiva dwar il-Makkinarju 2006/42/KE u jekk rilevanti wkoll mad-dispożizzjonijiet tad d-Direttiva EMC 2014/30/EU.
- atbilst mašīnu direktīvai 2006/42/EK, kā arī nepieciešamības gadījumā elektromagnētiskās saderības direktīvai EMC 2014/30/ES.

Zedelgem, date:

Antoon Vermeulen

Dealer's	stamp	

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