

ORIGINAL INSTRUCTIONS - according to Directive 2006/42/EC, Annex I 1.7.4.1

OPERATOR'S MANUAL

Collector II

Disc Mower

FOREWORD

DEAR CUSTOMER!

This instruction manual only deals with the Collector II unit. It covers all trailed mowers to which the Collector unit can be delivered. Whenever we relate to a specific model it will be marked clearly in the text.

This is a supplement to the instruction manual, which was delivered with your trailed mower. Therefore, you must first read the instruction manual of the machine.

This instruction manual contains information about correct and safe use of the Collector II unit.

When buying the machine you will receive information about use, adjustment and maintenance.

However, this first introduction cannot replace a more thorough knowledge of the different tasks, functions and correct technical use of the machine.

Therefore you should read this instruction manual very carefully before using the machine. Pay special attention to the safety instructions.

This instruction manual is made so that the information is mentioned in the order you will need it, i.e. from the necessary operation conditions to use and maintenance. Besides this there are illustrations with text.

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

All the information, illustrations and technical specifications in this instruction manual describe the latest version on the time of publication.

Kongsilde Industries A/S reserves the right to make changes or improvements in the design or construction of any part without incurring the obligations to install such changes on any unit previously delivered.

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1. INTRODUCTION

SAFETY

The general safety regulations are stated in the trailed mower instruction manual.

The machine demands skilled operation, which means that **you should read the instruction manual before you connect the Collector to the machine.** Even though you have been driving a similar machine before, you should read the manual - this is a matter of your own and other persons' safety!

You should never leave the machine to others before you have made sure that they have the necessary knowledge to operate the machine safely.

DEFINITIONS

The safety decals and the instruction manual of the machine contain a line of safety notes. The safety notes mention certain measures, which we recommend you and your colleagues to follow as to increase the personal safety as much as possible.

We recommend that you take the necessary time to read the safety instructions and inform your staff to do the same.



In this instruction manual this symbol is used with reference to personal safety directly or indirectly through maintenance of the machine.

- CAUTION:** The word CAUTION is used to ensure that the operator follows the general safety instructions or the measures mentioned in the instruction manual to protect himself and others against injuries.
- WARNING:** The word WARNING is used to warn against visible or hidden risks, which might lead to serious personal injuries.
- DANGER:** The word DANGER is used to indicate measures which, according to legislation, must be followed to protect oneself and others against serious injuries.

TECHNICAL DATA

Type	Collector II
Net weight	350 kg
Drive of the unit	Via oil pump mounted on the machine
Oil outlet	1 Single-acting
Conditioner speed on mower	1000 rpm
Pump displacement	25 cm ³ /revolution
Engine displacement	20 cm ³ /revolution
Belt speed	Continuously variable
Electric remote control of belt speed	Optional equipment
Shock absorber	Rubber buffers (Standard)
Double swath width, minimum	1.4 – 2.0 (depending on the conditions)

2. MOUNTING

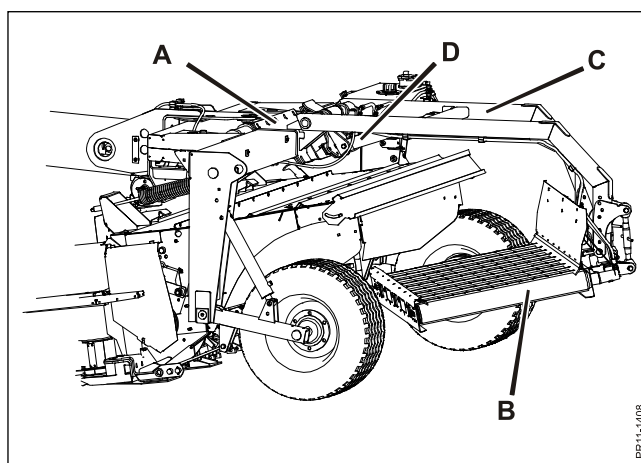


Fig. 2-1

Fig. 2-1 The unit consists of a suspension **A** which is attached to the wheel frame on the standard machine with bolts, a belt unit **B** which is suspended in a frame **C** behind the machine, and a closed hydraulic system which is operated from the standard machine (a pump is mounted on the gearbox). The unit can be lifted with the hydraulic cylinder **D** when the belt is not being used.

Double swathing means that the crop is thrown from the machine onto a rubber belt which runs across the direction of travel and throws the crop to the left of the machine. Thereby the crop can be placed just beside a previously laid swath.

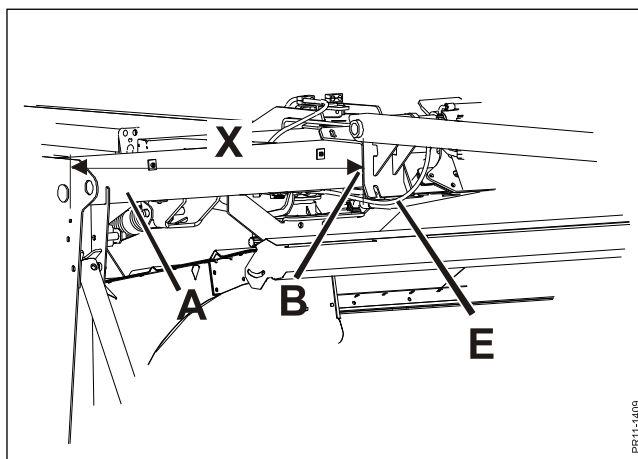


Fig. 2-2

Fig. 2-2 The Collector is mounted on the wheel frame **A** on the standard machine by tightening the support bracket **B** around the cross tube. The support brackets must be placed **X mm** from the left edge of the wheel frame, as shown on the figure. For GMS 3202 and GFS 3205 **X = 1175 mm**.

2. MOUNTING

Fig. 2-3 When belt unit and frame have been mounted, please check that the frame is in a

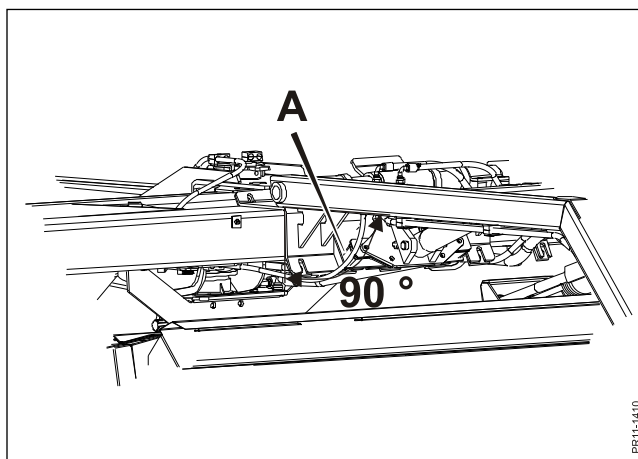


Fig. 2-3

90° angle compared to the back of the wheel frame. If it is not in the correct angle one or several flat washers can be delivered and mounted as spacers between rubber buffers **A** and the bracket that holds the Collector. Please note that the rubber buffers can “subside” in the course of time, and another adjustment may be necessary.

HYDRAULICS

GMS 3202 TS AND GFS 3205 DL

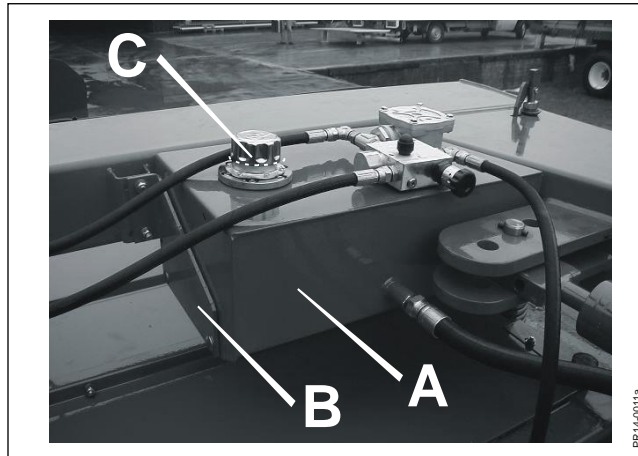


Fig. 2-4

Fig. 2-4 Oil tank **A** is mounted on the wheel frame. It is bolted on to the wheel frame and the bolted bracket **B**.

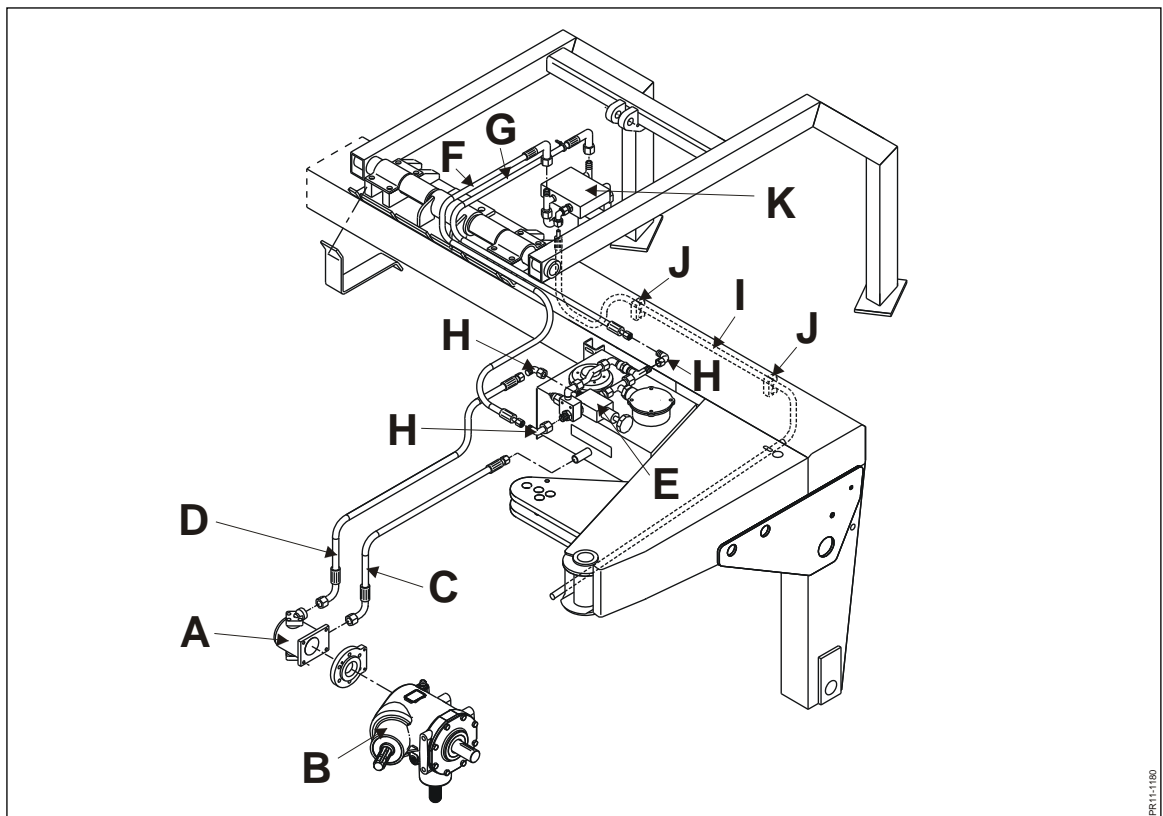


Fig. 2-5

Fig. 2-5 The hydraulic pump **A** is mounted on the gearbox **B** on the machine in the direction shown.
The suction hose **C** (3/4" and 1000 mm long) is mounted on the pump and on the side of the tank with the bend at the pump.

2. MOUNTING

The pressure hose **D** (3/8" and 1100 mm long) is mounted on the pump **A** and on the adjusting valve **E**, with the bend at the pump. An angle **H** is used for mounting on the valve **E**.

The hoses **F** and **G** (3/8" and 1300 mm long) are assembled with angles **H** at the ends without bends and mounted on the tank at the places indicated. The ends with bends are mounted on the valve **K** on the frame for the Collector.



IMPORTANT:

The hydraulic hose G with red strips must be mounted at the same side of the valve as the mounted hose with strips to ensure the motor has the correct direction of rotation.

The hose **I** from the cylinder for lift of the Collector is, together with hoses on the machine, lead through the drawbar and connected to a single-acting hydraulic outlet on the tractor. The hose is mounted at the rear of the wheel frame in the holders **J**.

Remember that there has to be a "loop" **E** on the hose to allow movements of the Collector-frame.

GMS 3202 FL AND GFS 3205 FL

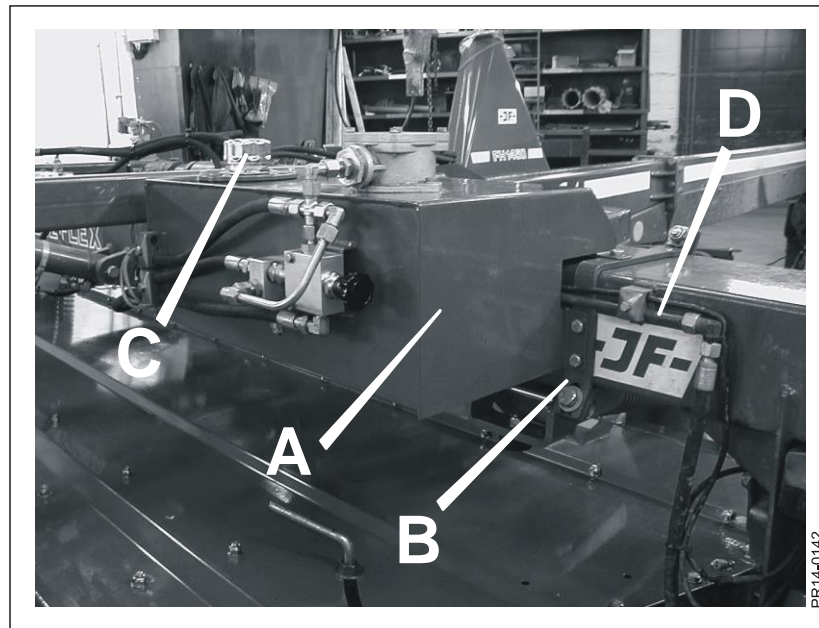


Fig. 2-6

The tank **A** is mounted on the back of the wheel frame with the brackets **B**. Note that there must be brackets on both sides of the tank. The bracket must be behind the hydraulic pipe **D**.

2. MOUNTING

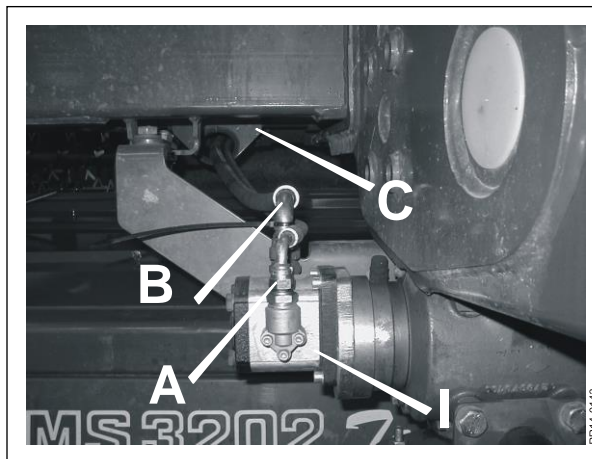


Fig. 2-7

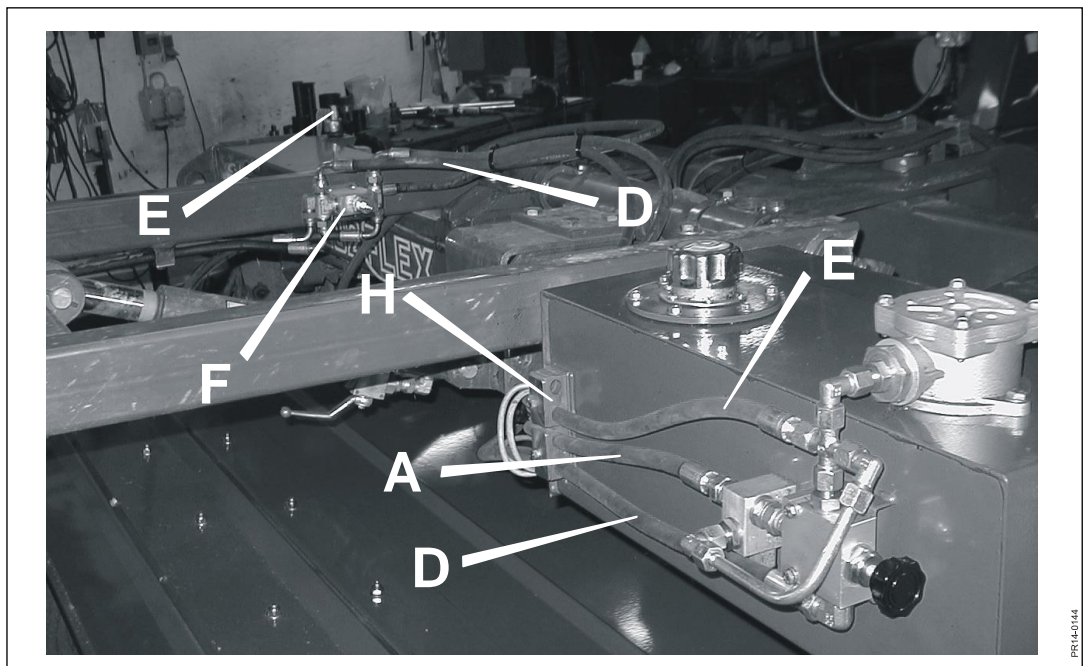


Fig. 2-8

Fig. 2-7 The suction hose **B** (3/4" and 1400 mm long) is mounted on the pump **I** and on the side of the tank with the bend at the tank.

Fig. 2-8 The pressure hose **A** (3/8" and 1,900 mm long) is mounted on the pump **I** and on the adjusting valve with the bend at the pump. The hoses must be lead through bracket **C** mounted on the Collector II suspension and the holders **H** at the back of the tank.

The hoses **D** and **E** (3/8") are mounted on the tank as shown on the figure. The ends with bends are mounted on the valve **F** on the frame for the Collector.



IMPORTANT:

The hydraulic hose E with red strips must be mounted at the same side of the valve as the mounted hose with strips to ensure the motor has the correct direction of rotation.

The hose from the cylinder for lift of the Collector is, together with the hose for lift of the working wheel, lead through the drawbar and connected to a single-acting hydraulic outlet on the tractor.

2. MOUNTING

Fig. 2-2 Remember that there has to be a "loop" on the hose to allow movements of the Collector-frame.

HYDRAULIC OIL

Fig. 2-4 When the hydraulic system is assembled the oil must be added at filling filter **C**.
Fig. 2-6



WARNING:

The oil is not added from the factory as the Collector II unit is dispatched separately and the hydraulic system is therefore separated.

Therefore, **REMEMBER** to add oil of the type mentioned below before making a test drive.

Oil type:

Hydraulic oil which complies with DIN 51524(2) H-LP (Shell Tellus T46 or a corresponding type)

Oil content:

20 litres (fill at filling filter **C**).

Concerning maintenance of the hydraulic system see later in this chapter in the section "MAINTENANCE".

TEST DRIVING

When all components have been mounted correctly and the machine has been connected to the tractor, the machine must be tested according to the following procedure:

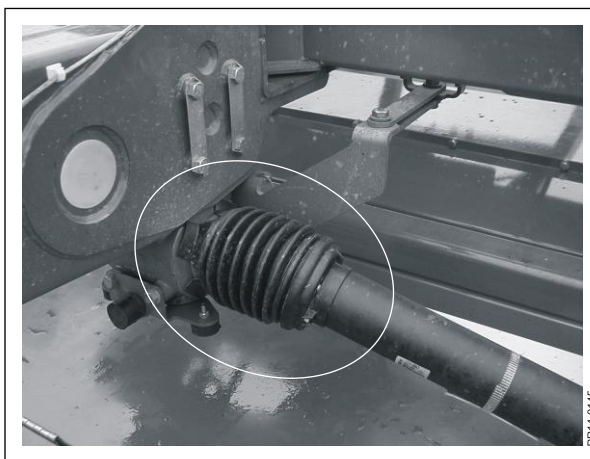


Fig. 2-9

Fig. 2-9 **TIP:** On FL machines it is advantageous to disassemble the PTO shaft in order to avoid knives and the conditioner rotor from turning around.

- 1) Start the tractor and lift the Collector to inactive position.



CAUTION:

Make sure that no hydraulic hoses can get jammed and that the Collector is lifted in a smooth sliding movement without resistance.

2. MOUNTING

- 2) Connect the power take-off at a low number of rpm. Thereby the pump starts working and the hydraulic system is filled up.

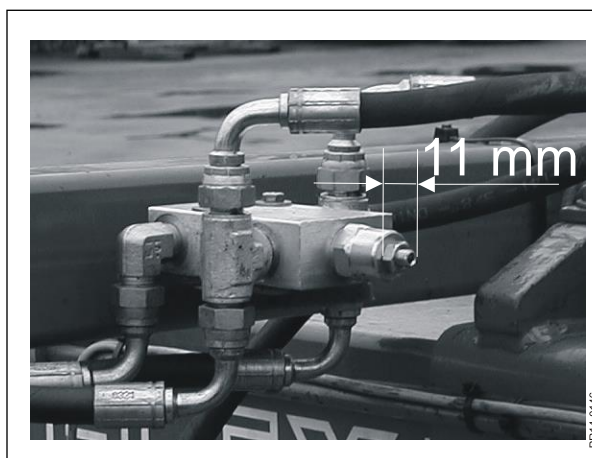


Fig. 2-10

- Fig. 2-10
- 3) Lower the Collector to active position whereby a valve makes sure that the conveyor belt starts rotating. If it doesn't rotate or starts to rotate too early, check the adjustment of the valve. It must be at approx. 11 mm.
 - 4) Let the machine run at a low number of rpm. Check if the conveyor belt rotates without any particular noise and that the Collector does not have unusual vibrations.



WARNING: Keep a safe distance from the machine and the rotating parts, pay special attention to the fact that the cutter bar and the conditioner rotor of the machine are rotating.

- 5) When the machine has been running for a couple of minutes and the oil in the internal system is warm, the number of rpm can be increased to 1000 rpm on the PTO.



CAUTION: Be aware of any unusual noise or vibrations from the Collector.

- 6) Lower the number of rpm, disconnect the power take-off and the test drive is finished.



IMPORTANT: If, during test driving, you experience errors or deviations which you cannot solve, contact your KONGSKILDE Dealer/Distributor or the Service Department at KONGSKILDE.

ADJUSTMENTS

BELT

The belt has been operated and adjusted from the factory to run correctly without load from the crop. As the belt is made of an elastic material it may stretch a little for some time when initially driving in the field and loaded with crop. Therefore, you must note the following:



IMPORTANT: When you start operating in the field it is important to check the belt the first couple of rounds and make the necessary readjustments until the belt runs correctly. Adjustment of belt is described in the section **MAINTENANCE**.

If the belt runs hard against the front or back plate, it will get damaged within a short time. We therefore recommend you to check the belt daily.

LATERAL ADJUSTMENT OF BELT UNIT

The belt unit can be laterally adjusted on the frame which fixes the Collector in relation to the wheel frame of the machine. Lateral adjustment of the belt unit can be necessary in order to obtain optimal placing of the crop which is thrown from the belt towards the already existing swath. The belt unit can be adjusted approx. 220 mm.

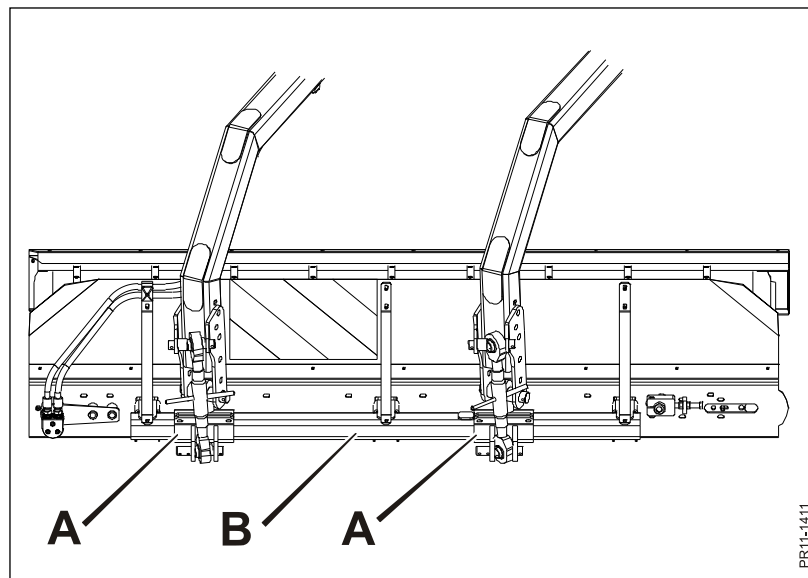


Fig. 2-11

Fig. 2-11 The belt unit is adjusted laterally by loosening the 12 bolts which hold the brackets **A**, after which the belt unit **B** can be displaced. Tighten the 12 bolts again when the belt unit is in the desired position.

2. MOUNTING

HEIGHT ADJUSTMENT OF BELT UNIT

The belt unit can be adjusted in 3 various heights compared to the bearing frame which is mounted on the wheel frame.

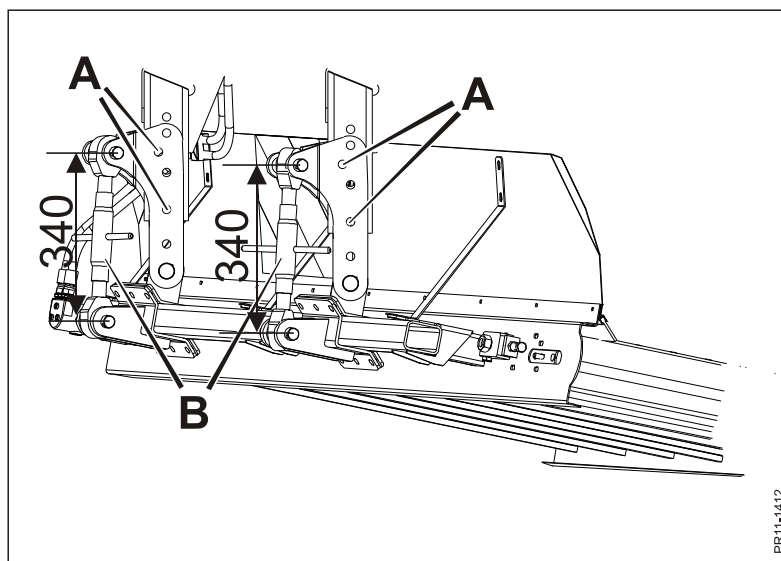


Fig. 2-12

Fig. 2-12



IMPORTANT: The spindles B which connect the belt unit and the frame, which are mounted on the machine, are delivered from the factory with a 340 mm center distance from hole to hole. You may NOT change the length of the spindles as it might result in the belt unit not being able to pass by the outlet system of the cutting unit when the Collector is lifted/lowered. The function of the spindles is to connect the belt unit of the Collector and the frame and compensate for the oblique angle between these by means of the ball joint of the spindles.

Fig. 2-12 From the factory the belt unit is mounted in the middle step, which can be used under most conditions. In the middle position the belt unit is fixed to the frame with 4 bolts placed in the holes shown at A.

2. MOUNTING

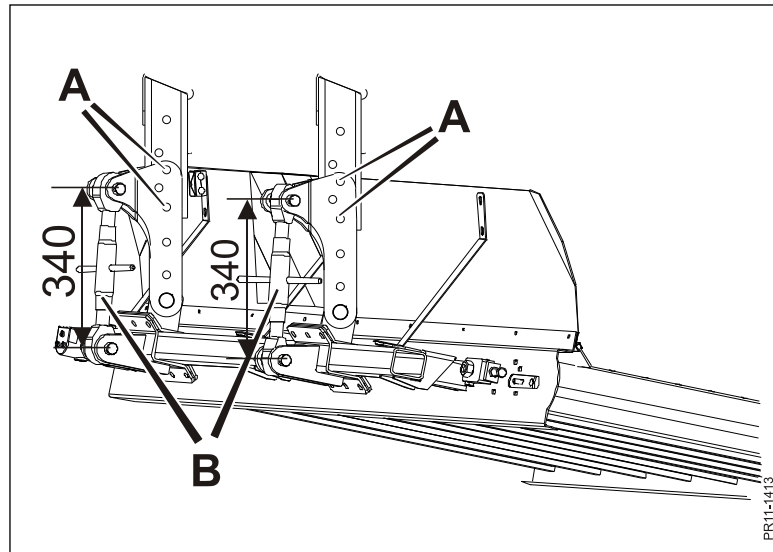


Fig. 2-13

Fig. 2-13 The belt unit can be mounted in a lower position than standard. This can be used if you don't want to throw the crop very far, for example if a double swath suitable for a wider pick-up is desired. In the lowest position the belt unit is fixed to the frame with 4 bolts placed in the holes shown at **A**. **Note that the spindles B do NOT have to change length in the lowest position.**

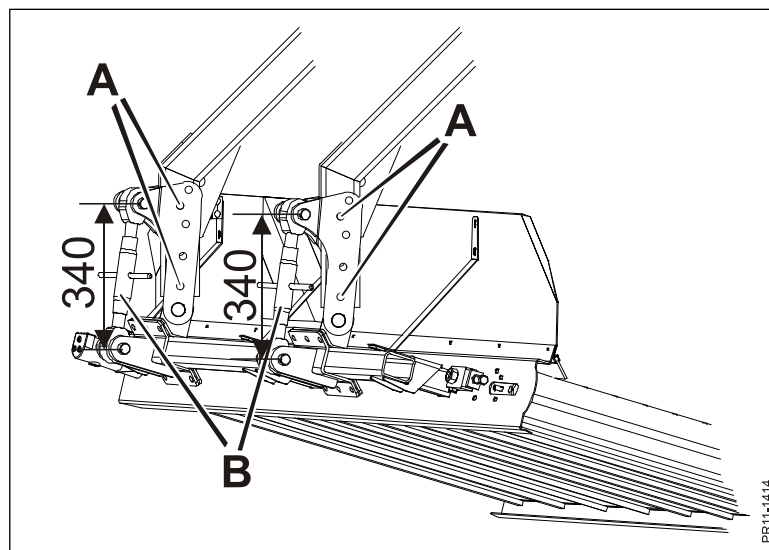


Fig. 2-14

Fig. 2-14 The belt unit can also be mounted in a higher position than standard, which can be used if you want to throw the crop an extra long way. **Note that in this position and under special conditions such as wet and heavy crop there may be problems throwing the crop up onto the belt.** In the upper position the belt unit is fixed to the frame with 4 bolts placed in the holes shown at **A**. **Note that the spindles B do NOT have to change length in the upper position.**

2. MOUNTING

Fig. 2-14



IMPORTANT: When the belt unit is mounted in the upper position the angle of the belt unit is changed compared to the standard position. This will cause the belt to move downwards towards the front plate. When moving the belt unit to the upper position you **MUST** control whether the belt without load from the crop runs to close to the back plate of the belt unit. If this is not the case the belt is adjusted as described under Maintenance in the section “Adjustment of belt”.

CHANGING THE CONVEYOR BELT SPEED

Fig. 2-15 The conveyor belt speed is adjusted manually at the valve **A** by adjusting the handle **B**.

Fig. 2-16 The valve will often be adjusted to maximum flow and thereby maximum conveyor belt speed to obtain a narrow double swath. Reduced conveyor belt speed is used when a wide double swath is wanted or if the crop is very thin.

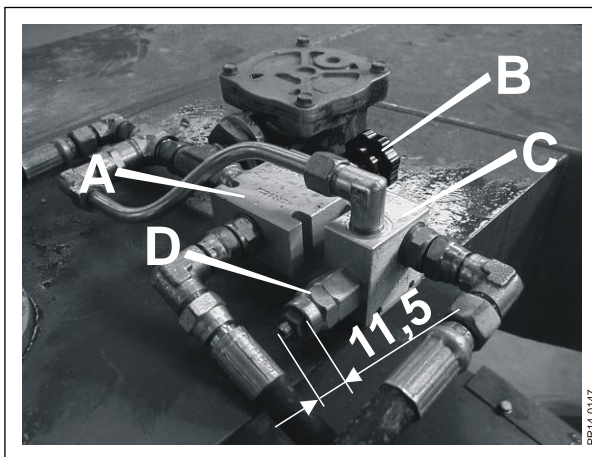


Fig. 2-15

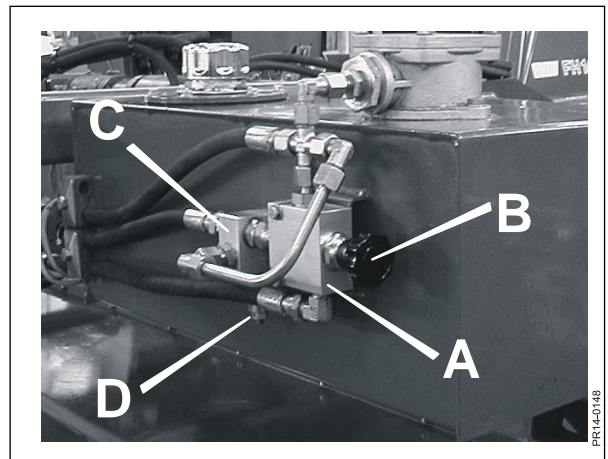


Fig. 2-16

On the valve **A** a safety valve **C** is mounted which ensures that the pressure in the hydraulic system does not get too high.

If the conveyor belt speed is irregular or the conveyor belt stands still, the maximum working pressure for the Collector can be adjusted at the adjusting screw **D**. It must be at 11.5 mm. If this is not the case it should be adjusted.

Also check if there is dirt or other accumulation of material on/in the belt unit which causes the hydraulic pressure to increase to be able to drive the conveyor belt.



IMPORTANT: When the adjusting screw **D** protrudes 11.5 mm the valve is adjusted to 140 bars. That is the maximum allowable pressure. If it is adjusted to a higher pressure it may result in damage to the hydraulic system. If the distance is less than 11.5 mm the pressure is too high.

CHANGING THE CONVEYOR BELT SPEED (OPTION)

As option, KONGSKILDE can deliver equipment for electric remote control of the speed of the Collector belt.

With the electric control box, the speed of the belt can be adjusted from 500 RPM to 1100 RPM, approximately. Thereby the length of the throw from the belt is changed, and it is possible to adjust the width of the double swath.

The equipment is applicable when driving:

- on hilly ground,
- in windy weather,
- in fields where the condition and amount of crop is varying where the equipment will help to ensure a symmetric double swath with a sufficient constant width.

Fig. 2-17 The equipment consists of an electric control box to be placed inside the tractor cabin which is

Fig. 2-18 connected with a coil **B** on a cartridge for mounting in the adjusting valve **D** as the cartridge with the hand wheel for manual control is dismantled.

MOUNTING

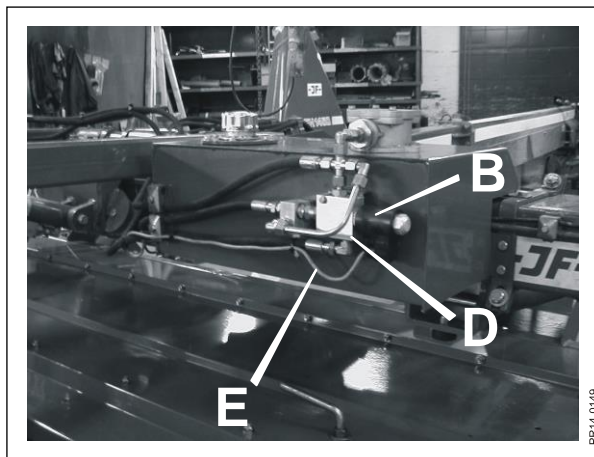


Fig. 2-17

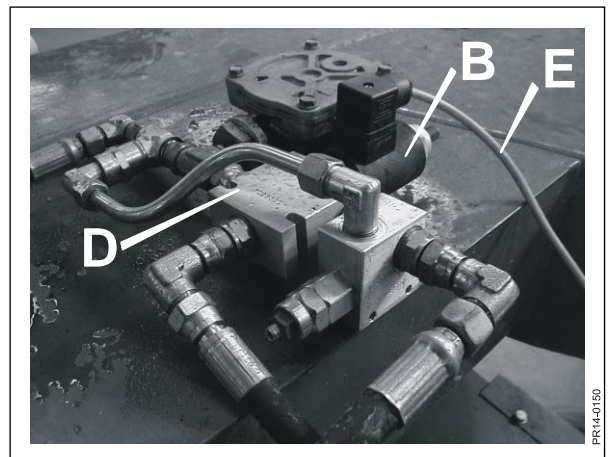


Fig. 2-18

Fig. 2-17 When the coil **B** is mounted on the adjusting valve **D** the wire **E** connects

Fig. 2-18 with hydraulic hoses through the drawbar and up to the tractor cabin.

Mount the holder for the electric control box in a suitable place within the reach of the tractor driver and mount the electric control box.

Connect the 2-pole plug on the control box to a 2-pole socket in the tractor cabin. If the tractor does not have the same plug you can contact your dealer and get an adaptor.

2. MOUNTING

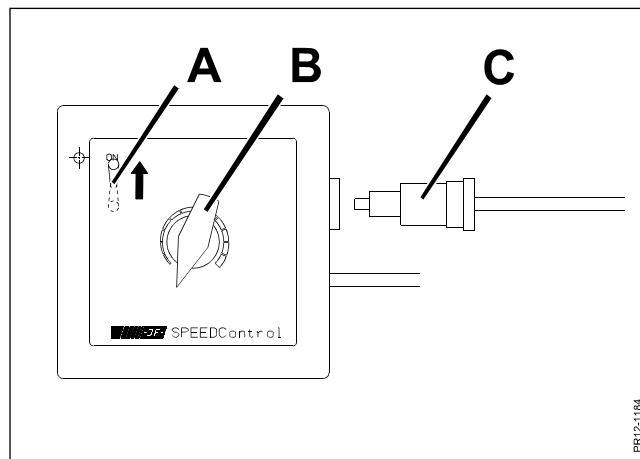


Fig. 2-19

Fig. 2-19 When starting the machine connect the remote control by switching on the ON/OFF toggle switch **A**. Now the speed is controlled with the arrow knob **B**.



WARNING: **REMEMBER** to turn off the ON/OFF toggle switch **A** when the work is finished. Otherwise the electric coil is damaged and the tractor battery will be discharged.

When the machine is disconnected from the tractor the control box must be separated from the machine. This is done by pulling out the plug **C** from the box. The box should remain in the cabin or be kept indoors as it is not constructed to be stored outside.



WARNING: In case the control box gets wet, it should be dried and dehydrated before it is used again. This is to avoid short circuit or defects.

WORKING IN CASE OF DEFECT

Should the electronics fail it is possible to continue the work with the Collector until new parts have been received or repair has been made.

Fig. 2-19 Pull the plug **C** out of the control box and mount it in the 2-pole socket in the tractor where the plug for the control box was mounted. Thereby the coil will have full voltage and works with maximum speed.

3. WORKING IN THE FIELD

DOUBLE SWATH

With Collector II the machine is intended for making double swaths with minimum widths of 1.4 to 2.0 metres. The minimum width of the double swath depends on the crop you work in but also the speed of the conveyor belt.

When you wish to put 2 swaths together, the Collector is lifted every second time to place a normal swath and folded down in active position every second time in order to place the second swath just beside the first swath.

When driving with a machine with centre drawbar the Collector must be lifted when driving on the left side of the tractor.

As described, the position of the Collector is determined by a hydraulic cylinder which is operated from the tractor with a single-acting hydraulic outlet.

STARTING

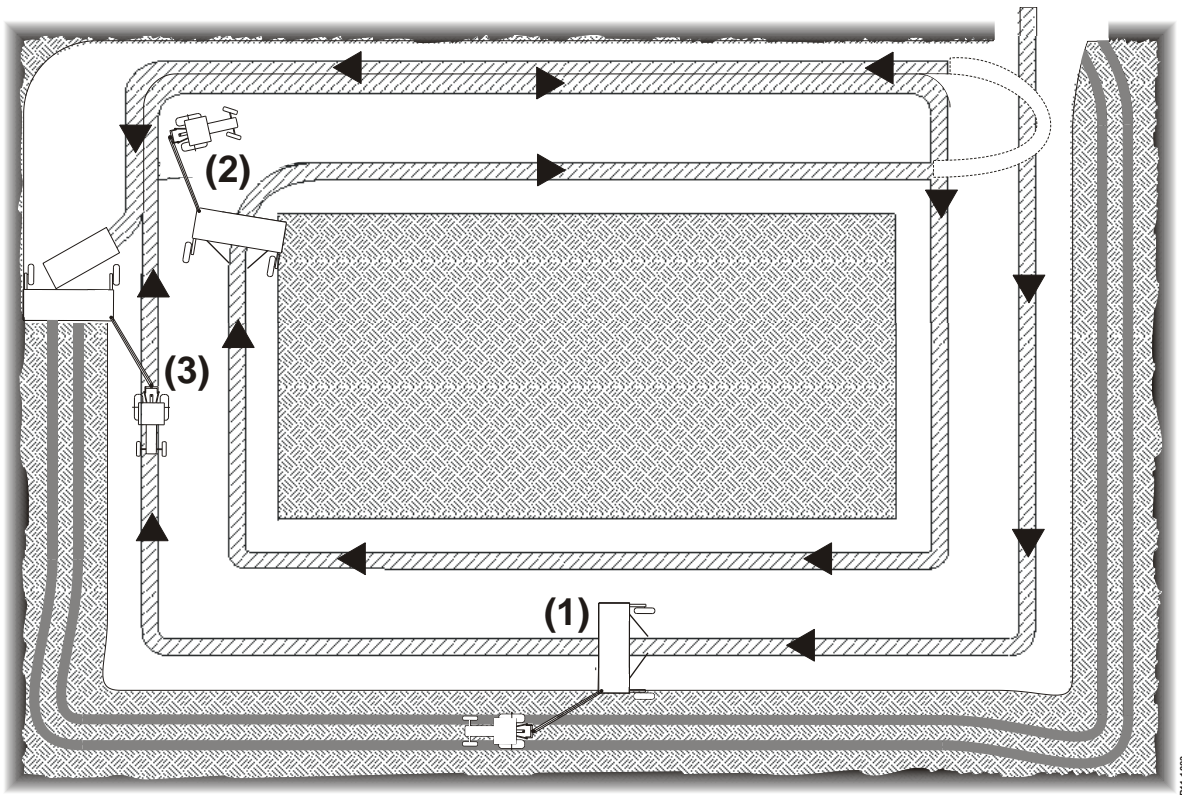


Fig. 3-1

Fig. 3-1 Lift the Collector to place a normal swath. Drive one round approximately one working width from the edge (1). Drive the second round in the same direction as the first swath (2). Lower the Collector and drive one round along the edge (3). Now there is space to turn at the ends of the field and the field is ready to be harvested in one piece or divided into sections as required. If you want 2 double swaths drive an extra round with the Collector down after the second round.

3. WORKING IN THE FIELD

DRIVING WITH FRONT MACHINE

Capacity can be increased drastically when using the trailed machine with Collector II together with a front mower. If you do this, the Collector must be active all the time.

TRIPLE SWATHING

If you want to collect a lot of grass in one swath you should lay a triple swath together in one swath. This means that you lay grass from approx. 9 m working width together in one swath.

However, this swathing technique is dependent on the fact that every third round the tractor must drive in the uncut grass.

Please note that driving in wet crop and/or soft soil may result in the creation of stripes and/or soil in the grass.

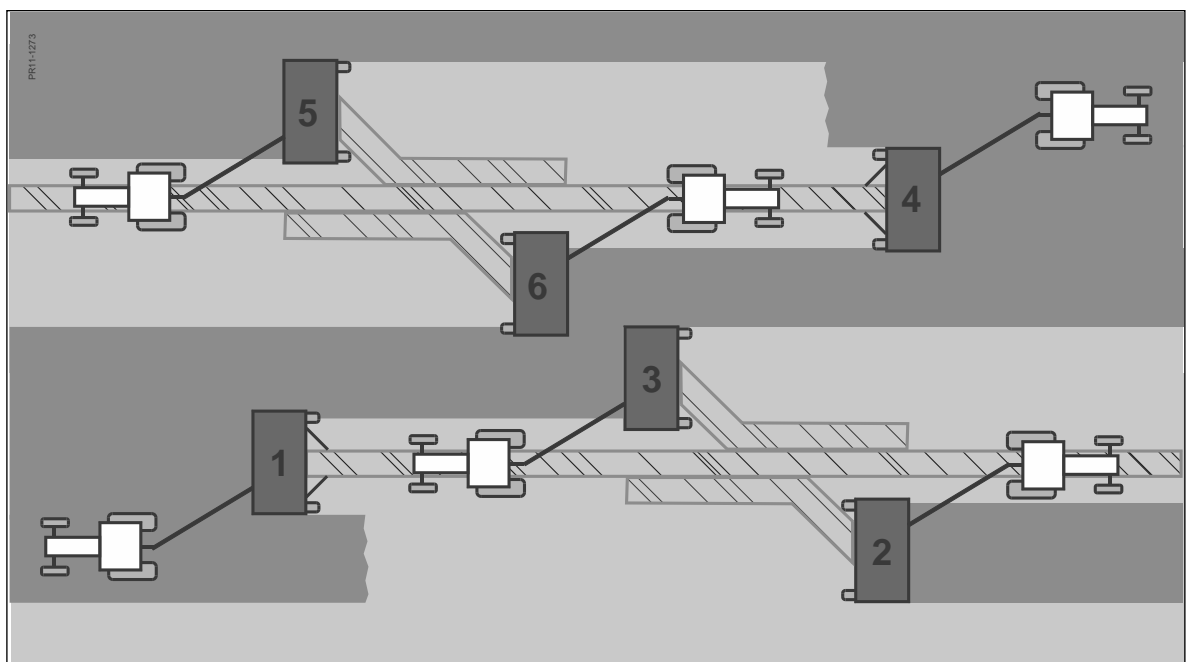


Fig. 3-2

Fig. 3-2 Drive into the uncut grass with the Collector lifted **(1)** leaving approx. 3 m uncut grass. Now lower the Collector into active position and cut the approx. 3 m you have just left **(2)**. In order to finish the first triple swath make the final cut on the opposite side of the first swath **(3)**.

When driving with a centre drawbar you can now swing the drawbar to the other side and repeat cut 1. Then swing the drawbar back and repeat cut 2 and 3. I.e. at every second swath you swing the drawbar when making cut 1.

When driving with a machine with side-mounted drawbar make sure that you hit the 3 m uncut grass with the right side of the machine **(4)** at each second triple swath. Cut 5 and 6 are similar to cut 2 and 3.



IMPORTANT: Between cut 2 and 3 and between cut 5 and 6 the machine is turned externally. It is necessary to lower the speed when turning in order to reduce the risk of overturning the machine.

NORMAL SWATHING

Fig. 2-1 If you wish to work normally with the machine or do wide spreading (Top Dry) when the Collector is mounted it can be lifted to an inactive position with a hydraulic cylinder **D**. The unit is not driven in this position and the machine can lay normal single swaths. For further details, see instruction manual for your trailed machine.

4. MAINTENANCE

For general maintenance of the Collector as regards re-tightening of bolts see the table for torque settings in the chapter "MAINTENANCE" in the instruction manual for your trailed machine.

GREASING

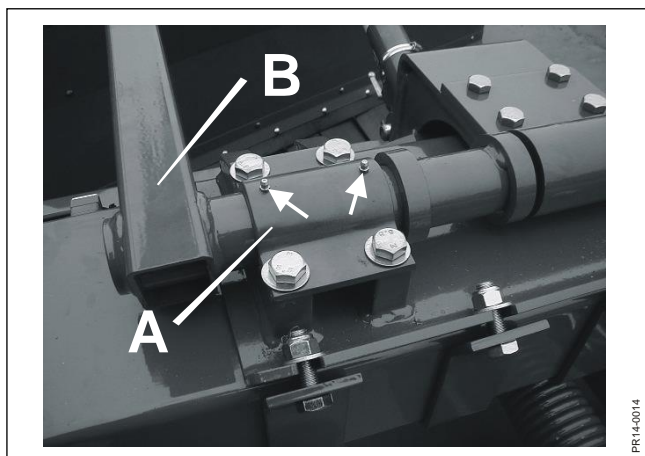


Fig. 4-1

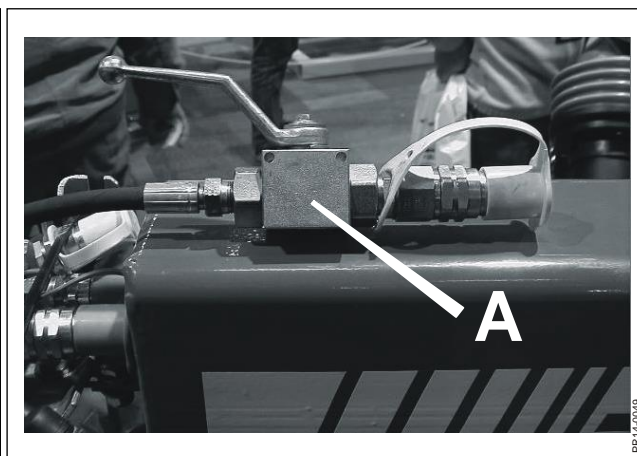


Fig. 4-2

Fig. 4-1 The only grease spots on Collector II are the bearings **A** which secure the frame **B**. These 4 grease spots must be lubricated every day.

Fig. 4-2 **CAUTION:** When the Collector is lifted and you need to stand below it or near it, the ball valve **A** on the hose for the lifting cylinder must **ALWAYS** be turned off to ensure that the Collector does not move downwards unintentionally. The valve is shown in open position and is turned off when the handle is turned 90 degrees.



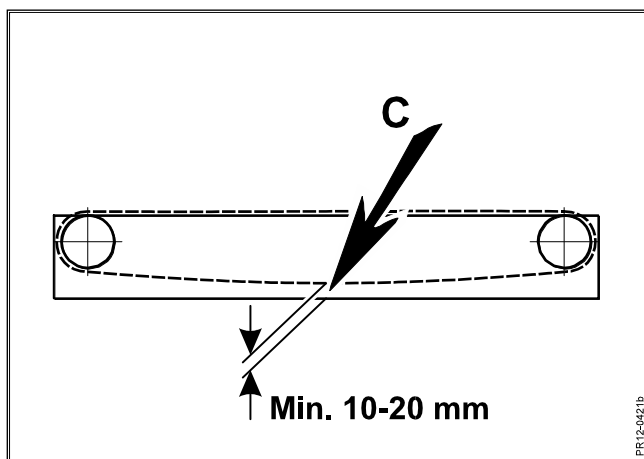
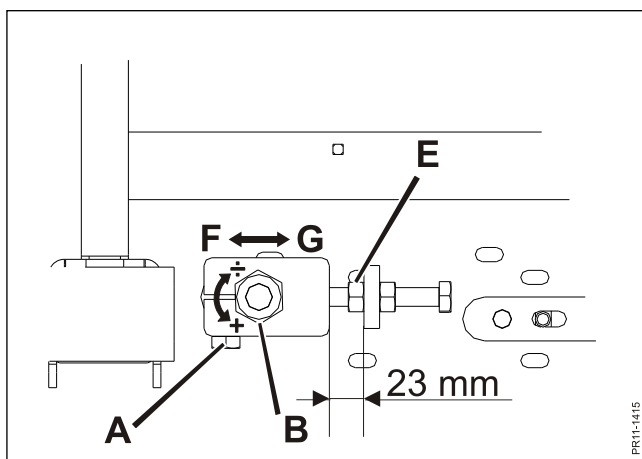
THE CONVEYOR BELT UNIT

It must be checked **every day** that the belt runs correctly on the rollers. **The belt runs correctly when it runs close to the back plate of the belt frame and when the carriers have 10-20 mm to the lower edge of the lower front guard.** Adjustment and tightening of the belt is carried out to the right on the back side of the belt unit, see below.

NOTE: When the belt is loaded with grass it will be forced downwards towards the front guard of the belt frame due to the weight of the grass. Therefore, the belt must run close to the back plate of the belt frame when checked without load from the crop.

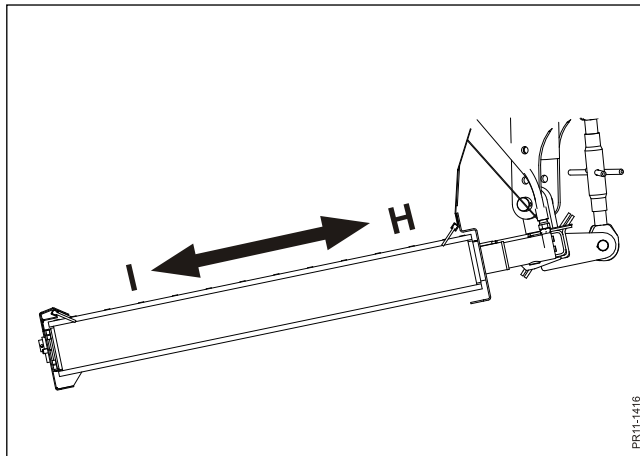
The belt unit is equipped with fixed scrapers on the rollers. They prevent accumulation of material on the rollers. However, the rollers still must be **checked every day** for accumulation of material as it may result in damage of belt and other parts. If you find bulges or other irregularities on the rollers the rollers must be adjusted, see below.

TIGHTENING OF BELT



- Fig. 4-3 **Tightening of the conveyor belt** is carried out as follows: First, loosen the bolt **A**, which secures the tightening. With a spanner turn the bolt **B** towards **+** to tighten and towards **-** to loosen. The belt is tightened correctly when the carriers have 10-20 mm to the lower edge of **the lower front guard**. Tighten the bolt **A** again, when the belt is tightened correctly.

ADJUSTING THE BELT



- Fig. 4-3 Basic setting is **23 mm**.
- Fig. 4-5
- 1) If the belt has a tendency to work its way upwards in direction **H**, the belt should be slightly tightened at **E** (in direction **G**). That means the **distance between right and left roller is increased**.
 - 2) On the other hand, if the belt has a tendency to work its way downwards in direction **I**, the belt should be slightly loosened at **E** (in direction **F**). That means the **distance between right and left roller is reduced**.

4. MAINTENANCE



WARNING: Pay special attention when the conveyor belt runs and do not get too close to rotating parts.

Let the belt run for minimum 30 sec. and check that the belt runs at the top of the rollers without wearing the back plate. The belt must run at the top of the rollers as the crop will press the belt downwards on the rollers during work.



WARNING: When you start operating in the field with a new belt or other new rotating parts (rollers, bearings etc.) it is important to check the belt the first couple of rounds and make the necessary readjustments until the belt runs correctly. If the belt runs hard against the front or back plate, it will get damaged within a short time. We therefore recommend you to check the belt daily.

ADJUSTING THE SCRAPERS

In connection with the daily check of the belt unit you should also check whether there are bulges on the rollers, which indicate accumulation of material.

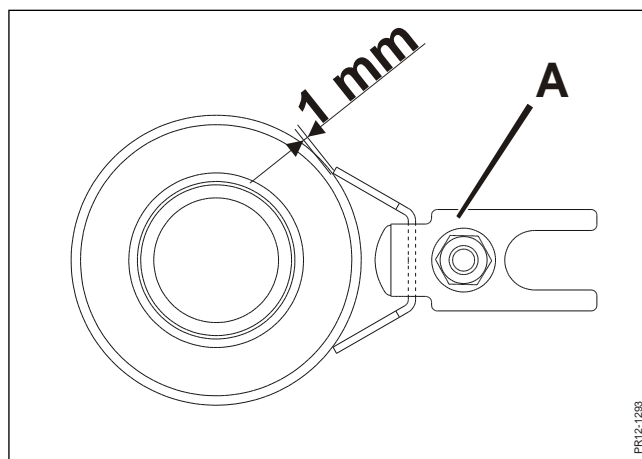


Fig. 4-6

Fig. 4-6 If this is the case the scrapers must be adjusted. This is done by following the description below:

1. Dismount belt. See the section "Mounting of belt".
2. Clean the rollers.
3. Check the scrapers for wear. If they are so worn down that they cannot be adjusted to clean the total width of the roller, they must be grinded straight or replaced.
4. The scrapers are adjusted according to the rollers. This is done by loosening the bolt **A** in both sides. Now push the scraper in until there is approx. 1 mm air between roller and belt.
5. Mount the belt again and carry out a test drive. See the section "Mounting of belt".

MOUNTING OF BELT

Collector II is equipped with an endless belt. The belt can be dismounted easily in connection with e.g. inspection of the rollers or scrapers.

4. MAINTENANCE

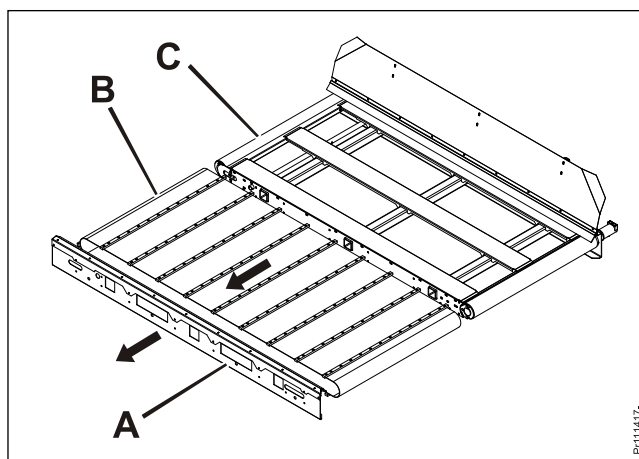


Fig. 4-7

Dismounting is done as follows:

- Fig. 4-7 The front guard **A** of the belt unit with the super seal brushing is bolted off the belt frame **C**.
- Fig. 4-3 Now loosen the belt by loosening bolt **A**, and then bolt **B**.
- Fig. 4-7 Now the belt **B** can easily be pulled off the belt frame **C** without other parts coming off as well.

The belt can now be serviced or replaced and you have easy access to clean the rollers and scrapers of the belt unit as well.

After servicing the machine, mount the belt again in reverse order.

If a new belt is mounted this should be tightened and adjusted according to the directions in the sections TIGHTENING OF BELT and ADJUSTING THE BELT.

THE HYDRAULIC SYSTEM

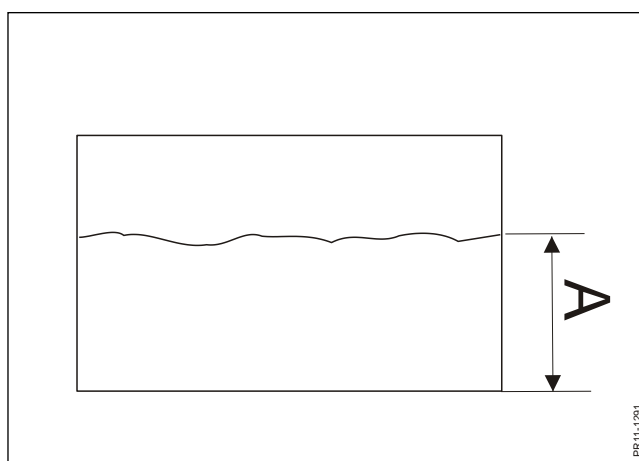


Fig. 4-8

Fig. 4-8 Oil level:

Control the oil level in the tank **daily**. The tank can hold 25 litres of oil, but should only be filled with the prescribed 20 litres. The oil level is measured from the bottom of the tank.

4. MAINTENANCE

GMS 3202 TS and GFS 3205 DL: The oil level **A must** be between 145 and 170 mm.

GMS 3202 FL and GFS 3205 FL: The oil level **A must** be between 130 and 152 mm.

Oil temperature: Maximum working temperature is 85° Celsius. At temperatures exceeding this, the carrying capacity of the oil is reduced causing strong wear on pump and motor.

Oil change: Normally it is not necessary to change oil. However, in exceptional cases the oil must be changed if it:

- * has been too hot (burnt) (after working for a long time at too high temperatures)
- * has changed colour
- * has an undesirable smell
- * has become dirty

Oil filter: **Once a year** the filter cartridge in the return filter must be cleaned and, if necessary, replaced.

5. VARIOUS

DRIVING TIPS AND FAULT FINDING

PROBLEM	POSSIBLE CAUSE	REMEDY	SEE PAGE
The grass is not thrown up onto the Collector	Too slow conditioner speed or too large distance between conditioner and conditioner plate.	Check that the conditioner is set to 1000 rpm. Minimize the distance between the conditioner and the conditioner plate.	
The belt starts up periodically even though it is lifted up in inactive position.	The over center valve has been wrongly adjusted.	The valve must be adjusted.	13
The belt speed is irregular or stops completely during load.	The belt brushes against front and rear edge. The pressure valve is not adjusted correctly.	Adjust the belt. Adjust the pressure valve.	24 17
The electronic control works opposite.	Hydraulics or electronic box has been mounted wrongly.	You can control the hydraulics by placing the wire between the electronic box and coil directly to 12V. If it runs in the right direction, the error is in the electric box.	19
The electronic control does not work.	Water in the electric box.	Dry the box if it is wet.	19
Oil gets too hot.	There is too little oil in the tank. There is water in the oil.	Measure oil level. Add oil if necessary. If the oil smells burnt it must be changed. Control that the pressure valve is set correctly. If the oil is white it must be changed.	26 27 17 27

STORAGE (WINTER STORAGE)

When the season is over, the preparation for winter storage should be made immediately after. First, clean 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. Never spray directly on the bearings and grease all grease points carefully after cleaning so that possible water is pressed out of the bearings.



IMPORTANT: Grease all grease points after cleaning the machine.

The following points are instructions how to prepare for winter storage.

- * Check the machine for wear and other defects – note down the necessary parts you will need before the next season and order the spare parts.
- * Spray the machine with a coat of rust-preventing oil. This is especially important on the parts polished with use.
- * Change the oil in the hydraulic system.

- 30 -

The schematic diagram illustrates a hydraulic circuit. A pressure source 'P' at the bottom right feeds into a three-way valve with positions V1 and V2. In position V1, fluid flows through a check valve C1 to a gear pump labeled 'Gear'. The pump's output passes through a flow control valve W and returns to the tank. In position V2, fluid flows through a check valve C2 to a motor labeled 'Motor'. The motor's return line also passes through check valve C2 back to the tank. A directional control valve with three positions (1, 2, 3) is located at the top left. Position 1 directs flow from the tank to the motor. Position 2 directs flow from the tank to the gear pump. Position 3 directs flow from the gear pump back to the tank.

7. 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 conformità/ EG Verklaring van Overeenstemming/ EG-försäkran om överensstämmelse/ EY-vaatimustenmukaisuusvakuutus/ Declaración de conformidad CE/ Deklaracja Zgodności WE./ Декларация за съответствие ЕО/ EK Megfelelősségi 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/

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Leon Claeyssstraat 3a, 8210 Zedelgem, BELGIUM

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Maskine:	La máquina:	Masin:
Maschine:	Maszyna:	Stroj:
Machine:	Машината:	Η μηχανή:
Machine:	Gép:	Máquina:
La macchina:	Stroj:	Il-magna:
Machine:	Mašina:	Mašina:
Maskin:		Stroj:
Laite:		Mašina:



Model/Type: **Collector II**
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.

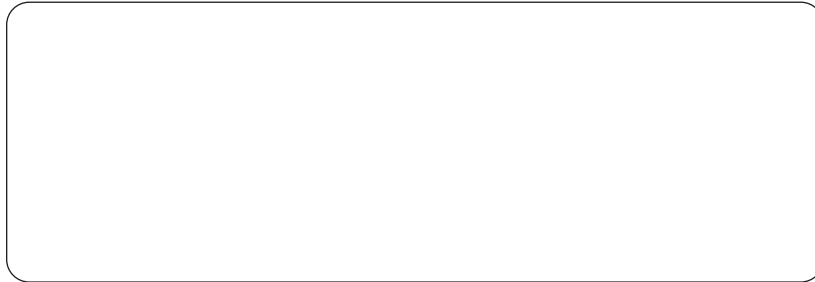
- is in conformity with the provisions of the Machinery Directive 2006/42/EC and if relevant also the provisions of the EMC Directive 2014/30/EU.
- est conforme aux dispositions de la Directive relatives aux machines 2006/42/CE et également aux dispositions de la Directive sur la Directive EMC 2014/30/UE.
- 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 bestämmelserna 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.
- îndeplineşte prevederilor Directivei de Maşini 2006/42/CE şi 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/EK 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 Maquinarias 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-dispožizzjonijiet tad-Direttiva dwar il-Makkinarju 2006/42/KE u jekk rilevanti wkoll mad-dispožizzjonijiet 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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