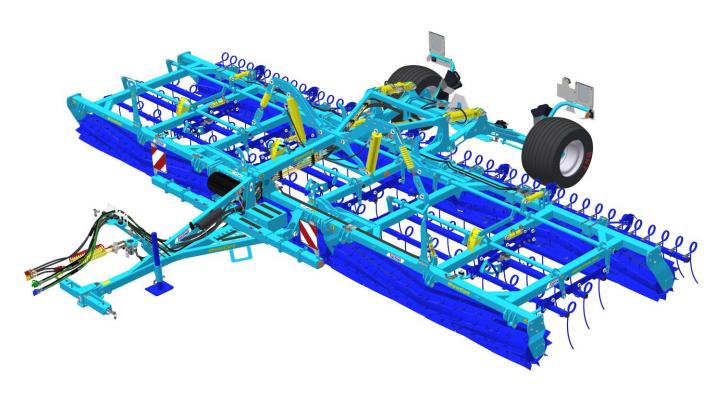


OPERATING MANUAL

DUOCUT

DC500PS | DC600PS DC700PS | DC800PS







www.farmet.eu

e-mail: dzt@farmet.cz

Edition: 1 | Effective from: 1. 6. 2025

ld No:

46504931

Tax Id. No.: CZ46504931

phone: +420 491 450 111

GSM: +420 774 715 738



Dear customer,

Semi-carried unfolding machines **DUOCUT** are quality products of Farmet a.s. Česká Skalice.

You can fully utilise the advantages of your machine after thoroughly studying the operating manual.

The serial number of the machine is punched on the production label and written in the operating manual (see MACHINE SPECIFICATION). This machine serial number must be stated whenever ordering spare parts for possible repairs. The production label is located on the middle frame near the tow bar.

Use only original spare parts for these machines according to the **Spare parts catalogue** officially issued by the manufacturer, Farmet a.s. Ceska Skalice.

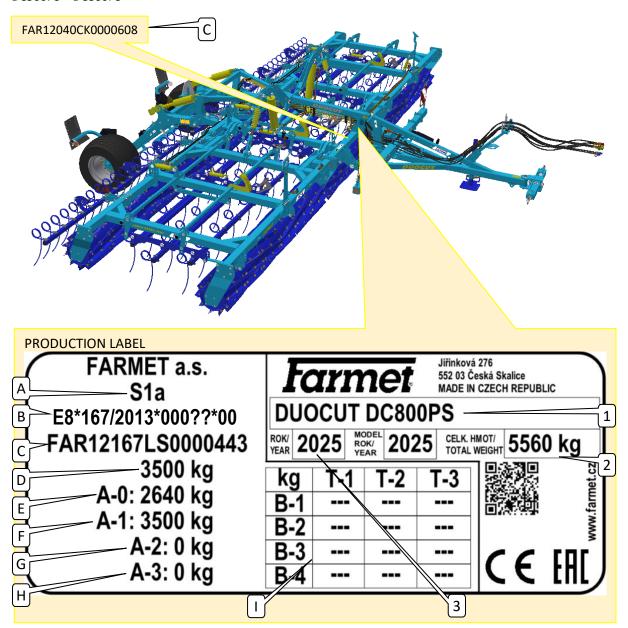
POSSIBILITIES OF USE OF YOUR MACHINE

DUOCUT is designed for flattening and cutting cover crops. It is used for cutting plant residues after harvesting crops such as sunflowers, rapeseed, or corn.

MACHINE SPECIFICATION	<u>N:</u>		
TYPE OF MACHINE DUOCUT			
SERIAL NUMBER OF MACHINE			
USED EQUIPMENT:		I	

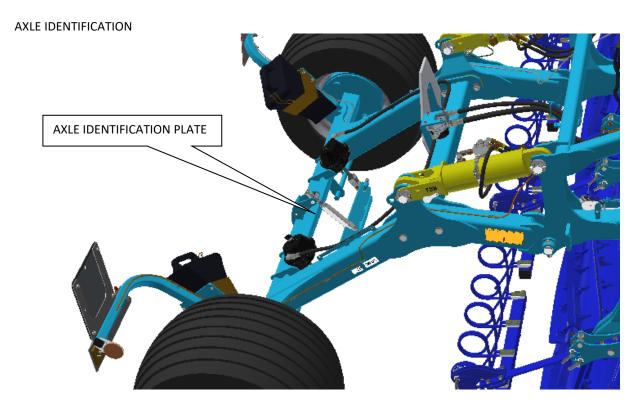


DC500PS - DC800PS

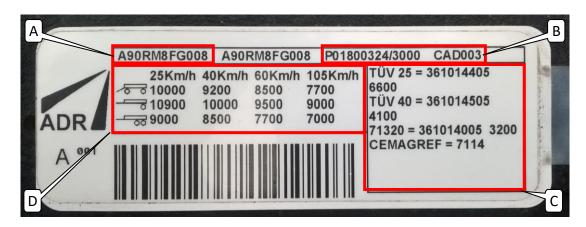


ITEM	MARKING
Α	Vehicle category according to R167/2013
В	Approval number
С	Seventeen-digit serial number (VIN)
D	Technically permissible maximum laden mass of the vehicle
E	Maximum vertical load on the coupling point
F	Permissible load – axle 1
G	Permissible load – axle 2
Н	Permissible load – axle 3
I	Technically permissible towable mass for each chassis/braking configuration for R or S category vehicle
1	Commercial name, general description and purpose
2	Total weight
3	Year of production





AXLE IDENTIFICATION PLATE



The axle identification plate can be read as follows:

ITEM	MARKING
Α	Axle identification code
В	Order identification code
С	Approval report identification code
D	Maximum axle capacity data referred to the application and speed



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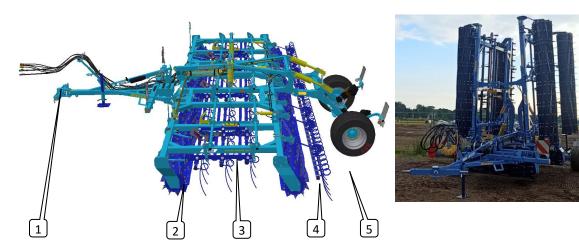


BASIC DESCRIPTION OF THE DUOCUT MACHINE

Thanks to the two rows of cutting rollers combined with harrow rods, the soil surface is very intensively disturbed, creating ideal conditions for the germination of weed seeds and volunteer crops from the harvested plants. At the same time, plant residues are well distributed, and the loosened soil surface helps reduce water evaporation.

The standard version of the semi-carried machine consists of the following parts:

- Carrier bar for connecting to the three-point hitch of the pulling vehicle
- Towing forks with adjustable tractor track cultivators
- Supporting frames of the machine
- The machine is standardly equipped with an automatic drawbar that secures the side frames in the transport position
- The machine is standardly equipped with front and rear safety plates with oblique red-and-white hatching and with taillights and a reflective plate for vehicle marking according to EHK No. 69



Standard Version Working parts

- 1) Tow bar
- 2) Front cutting roller Ø460mm
- 3) Section of 3-row harrows with adjustable height and angle
- 4) Rear cutting roller Ø460mm
- 5) Finish section of 1-row harrows

The control for folding the side frames into the transport or working position is designed as a single independent hydraulic circuit controlled by the driver in the tractor cabin.

The control of the axle in the transport or working position is designed as a single independent hydraulic circuit controlled by the driver in the tractor cabin.

The DUOCUT machines meet the regulations for road traffic = width up to 3m + height up to 4m.



TECHNICAL PARAMETERS	DC500PS	DC600PS	DC700PS	DC800PS	
Working width (mm)	5000	6000	7000	8000	
Transport width (mm)		3000)		
Transport height (mm)	2790	3230	3830	4000	
Total length of the machine (mm)		6700)		
Number of harrows 3-row working section	38	46	54	62	
Number of harrows 1-row finish section	26	32	38	44	
Working performance (ha/hour)	3-5	3,5-6	4,5-7	5,5-8	
Working speed (km/hour)		10-2)		
Maximum transport speed (km/hour)		30			
Maximum slope accessibility (°)		6			
Tyre dimensions (type)		19.0/45-1	7 14PR		
Tyre pressure (kPa)		280)		
Max. weight of the machine (standard	4225	4560	5170	5560	
version)					
Oil filling HLP 46 DIN51524-2 (I)	1	0	1	2	
Requirement for the engine power of the	120	130	150	160	
tractor (kW)*					
	STANDARD EQUIPMENT				
	Spacing of the bo	ottom hitch joints	1010 ± 1,5 mm		
	(as measured on the joint axes)				
	\varnothing of the bottom hitch joint holes		Ø37,5mm		
_	for the hitch pins of the machine				
Requirement for tractor aggregation	ABOVE-STANDARD EQUIPMENT		600 ± 30 mm		
	Fixed bottom hit	ch height	600 ± 30 mm		
	ABOVE-STANDAR	RD EQUIPMENT	Pin ∅50mm		
	Fixed bottom hitch aggregation		Pin ∅70mm		
	mechanism	55 5	Ball K80		
			Pressure in the circuit 200bar,		
	STANDARD EQUI		2 sockets for snap coupling		
	- Side frame foldi	ing circuit	ISO 12.5		
			Pressure in the circuit 200bar,		
	STANDARD EQUIPMENT		2 sockets for snap coupling		
Requirement for the hydraulic system of the	- Axle lifting circu	lit		12.5	
tractor	STANDARD EQUI	PMENT	Pressure in the circuit 200bar,		
	-circuit for controlling the height		2 sockets for snap coupling		
	of 3-row harrows		ISO 12.5		
	STANDARD EQUIPMENT		Pressure in the circuit 200bar,		
	-circuit for controlling the angle		2 sockets for snap coupling		
	of 3-row harrows		ISO 12.5		
			Pressure in the	circuit at least	
Requirement for the air system of the	STANDARD EQUI	PMENT	6bar – max. 8,5bar,		
tractor	- Machine axle bi	raking circuit	2 coupling heads of single-		
			circuit two-hose brakes		

^{*} These values are only as recommended tractive equipment. The actual tractive force may substantially differ according to the processing depth, soil conditions, slope of the land, wear and tear of working parts and their adjustment.



MACHINE LIMIT PARAMETERS

- The machine is to be used for presowing preparation of soil after ploughing or stubble breaking with working depth from 0 mm to 100 mm for soil cultivation in agriculture. Other uses exceeding the determined purpose is forbidden.
- The machine is only operated by one person the tractor driver.
- Machine operator must not use the machine in a different way, especially:
 - Transport of persons and animals on the machine structure,
 - Transport of burdens on the machine structure,
- Aggregation of the machine with another towing equipment than stated in Chapter "4.1./p.14".

SAFETY STATEMENT



This warning sign warns about an immediate dangerous situation ending with death or severe injury.



This warning sign warns about a dangerous situation ending with death or severe injury.



This warning sign warns about a situation that may end with a smaller or slight injury. It also warns about dangerous actions related to the activity that could lead to an injury.

A. GENERAL INSTRUCTIONS FOR USE

- **A.1** The machine is made in accordance with the latest equipment state and approved safety regulations. However, dangers of user or third person injury or machine damage or creation of other material damage may arise during use.
- **A.2** Use the machine only in a technically sound condition, in accordance with its purpose, aware of possible dangers, and while adhering to the safety instructions of this operating manual!
 - The Manufacturer is not liable for damages caused by the use of the machine that is in contradiction with the limit parameters of the machine and with the instructions for the use of the machine (Chapter A and 3). The User bears the risk.
 - Immediately remove especially the failures that may negatively affect safety!
- **A.3** Machine operation may be performed by a person authorised by the operator under these conditions:
 - It must own a valid driver's licence of the corresponding category,
 - It must be demonstrably familiarised with the safety regulations for work with the machine and must practically master the machine operation,
 - The machine may not be operated by juveniles,
 - It must know the meaning of the safety signs located on the machine. Their respecting is important for safe and reliable machine operation.
- **A.4** Maintenance and servicing repairs on the machine may only be performed by a person:
 - Authorised by the operator,
 - Educated in the machinery field with knowledge of repairs of similar machines,
 - Demonstrably familiarised with safety regulations for work with the machine,
 - During a repair of a machine connected to a tractor, it must own a driver's licence of the corresponding category.
- **A.5** Machine operator must secure the safety of other persons when working with the machine or transporting the machine.



A.6 During machine work in the field or during transport, the operator must control the machine from the tractor's cabin.



- **A.7** The operator may enter the machine structure only with the machine at rest and blocked against movement, namely only for these reasons:
 - Adjustment of the machine working parts,
 - Repair and maintenance of the machine,
 - Release and securing of spherical valves of the axle,
 - Securing of spherical valves of the axle before folding the side frames,
 - Adjustment of the working parts of the machine after unfolding the side frames.



A.8 When stepping on the machine, do not step on tyres of the axles or other rotary parts. Those may turn and you can cause very serious injuries by the subsequent fall.



- **A.9** Any changes or modifications of machine may be performed only with written consent of the manufacturer. For possible damage arisen due to ignoring this instruction, the producer bears no responsibility. The machine must be maintained equipped with prescribed accessories and equipment including safety marking. All warning and safety signs must be legible and in their places. In case of damage or loss, these signs must be immediately renewed.
- **A.10** The operator must have the Operating Manual with the work safety requirements available at any time when working with the machine.



A.11 The operator must not consume alcohol, medicines, narcotic and hallucinogenic substances that decrease his attention and coordination capabilities while using the machine. If the operator must use medicines prescribed by a physician or uses freely sold medicines, he must be informed by a physician, whether he is capable of responsible and safe operation of the machine under these circumstances



PROTECTIVE TOOLS

For the operation and maintenance use:

- Tight clothes
- Protective gloves and goggles for protection against dust and sharp parts of the machine





B. MACHINE TRANSPORT USING TRANSPORT MEANS

- **B.1** The transport means designed for machine transport must have the load capacity minimally identical with the weight of the transported machine. The total weight of the machine is stated on the production label.
- **B.2** The dimensions of the transported machine including the transport means must comply with the valid regulations for road traffic (decrees, laws).



- **B.3** The transported machine must be always fastened to the transport means so that its spontaneous loosening could not happen.
- **B.4** The carrier is responsible for damage caused by the loosening of incorrectly or insufficiently fastened machine to the transport means.
- **B.5** The carrier shall observe the instructions of the responsible employees of Farmet in charge of loading concerning proper binding and securing of the machine on the transportation vehicle, particularly with regard to the potential damage of the machine to be transported.



C. MACHINE HANDLING USING LIFTING EQUIPMENT



- **C.1** The lifting equipment and tying means designed for handling of the machine must have their load capacity at least identical with the weight of the handled machine.
- **C.2** Machine fastening for handling may only be performed in places designed for that and marked with self-adhesive labels showing the "chain" symbol.
- **C.3** After fastening (suspending) at designated points, it is forbidden to move in the space of possible reach of the handled machine.

D. WORK SAFETY LABELS

Warning safety labels serve for operator protection.

THE FOLLOWING APPLIES GENERALLY:

- **D.1** Strictly observe the warning safety labels.
- **D.2** All safety instructions also apply to other users.
- **D.3** The operator shall ensure completeness and readability of labels on the machine, i.e. the operator shall replace any damaged labels with new ones.
- **D.4** The appearance and exact meaning of the warning safety labels on the machine are specified in the following table.

WARNING SAFETY LABELS	TEXT TO THE LABELS	POSITION ON THE MACHINE
	Before handling the machine, carefully read the operating manual. Observe the instructions and safety regulations for machine operation during use.	P 1 H
P2H	When connecting or disconnecting, do not step between the tractor and the machine, also do not enter this space, if the tractor and the machine are not at rest and the engine is not turned off.	P 2 H
	Stay outside the reach of the tractor - agricultural machine set, if the tractor engine is in operation.	P 6 H
P13H (2)	Secure the side frames against unfolding and the axle against sudden fall prior to the transportation of the machine.	P 13 H
P 20 H	When unfolding the side frames into the transport position, do not reach into the area of contact with the central frame.	P 20 H

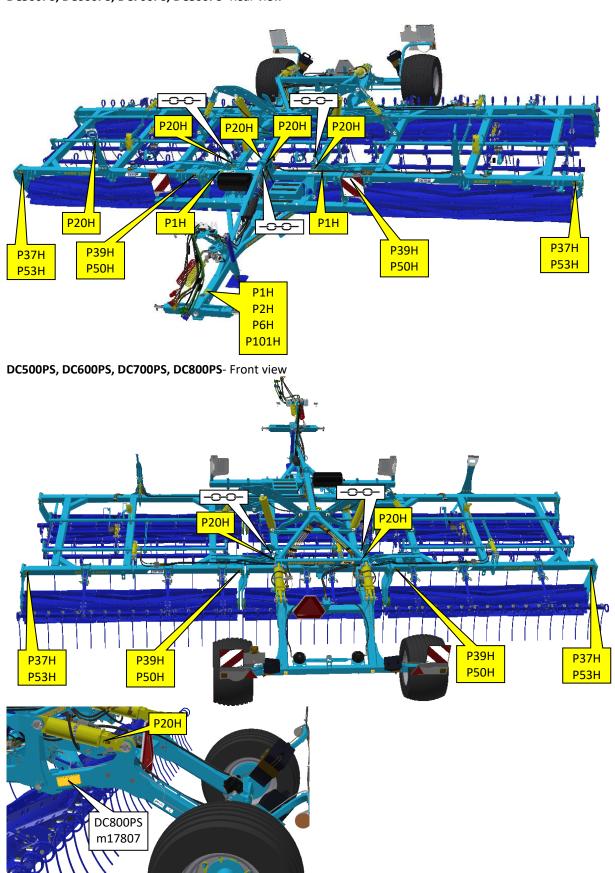


P 37 H	Driving the machine and transportation on its construction is strictly forbidden.	P 37 H
F 30 H	When working and transporting the machine, maintain safe distance from the electric appliances.	P 39 H
P 50 H	Stay outside the reach of the unsecured side frames of the machine.	P 50 H
P SS H	Do not approach the rotary parts of the machine unless they are standing still, i.e. they are not rotating.	P 53 H
" <u>"</u> " (1)	It is strictly folding and unfolding the side frames on slopes or inclined surfaces.	P 100 H
	The shown positions of the handle and the function of the hydraulic ball valve located on the piston-rod.	P 101 H
	This indicates areas for hanging using handling equipment.	m03316
TRANSPORT POSITION WORKING POSITION	The mechanical stops of the axle must be used for DC800PS in the transport position. They keep the transport height below 4m = TRANSPORT POSITION. When working in the field, switch the stops to the working position = WORKING POSITION.	m17807

D.5 The positions of the warning safety labels on the machine are shown in the following pictures.



DC500PS, DC600PS, DC700PS, DC800PS- Rear view





1. AGGREGATION TO A TRACTOR



TRACTOR ARM VERSION - T3; T4

Aggregation of the machine to the rear arms of the tractor in the category TBZ (three-point hitch). You can choose pins for categories TBZ3=Ø36mm, TBZ4=Ø50mm.

The standard version of the drawbar can be applied to tractors with width up to 3,800mm with tyres or belts. For tractors with a width exceeding 3,800mm, an extended version of the drawbar has to be used.



HITCH VERSION - K80; C40; C50; C70

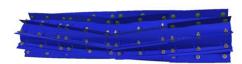
Aggregation of the machine to the fixed bottom hitch with a K80 ball or with a pulling loop with the diameter of 40mm, 50mm or 70mm.

This is offered as the optional equipment of the machine.

The standard version of the drawbar can be applied to tractors with width up to 3,800mm with tyres or belts. For tractors with a width exceeding 3,800mm, an extended version of the drawbar has to be used.

2. WORKING PARTS

FRONT KNIFE ROLLERS



CUT-F - knife roller - \varnothing 46 cm - 150 kg/m – 10 rows of knives

- Diagonally positioned knives to reduce vibrations.
- Effectively crushes and cuts cover crops.
- Cuts plant residues after harvesting crops such as sunflower, rapeseed, or corn.
- Suitable for slightly moist conditions.
- The knives on the front and rear rollers have opposite diagonals, resulting in a cross-cutting effect.

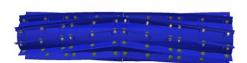
SPREADING SECTION



BH3 - 3 rows of tine harrows

- Tine harrows positioned between the knife rollers direct the stalks lengthwise, improving the cutting performance of the rear knife rollers.
- Height of the section can be adjusted, as well as the angle of the harrows.

REAR KNIFE ROLLERS

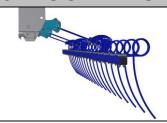


CUT-R - knife roller - \emptyset 46 cm - 150 kg/m – 10 rows of knives

- Diagonally positioned knives to reduce vibrations.
- Cuts plant residues after harvesting crops such as sunflower, rapeseed, or corn.
- Suitable for slightly moist conditions.
- The knives on the front and rear rollers have opposite diagonals, resulting in a cross-cutting effect.



FINISHING OPERATIONS



BH - 1 row of tine harrows

The leveller behind the rear roller levels and evenly spreads the loosened soil. The angle of the leveller can be adjusted using stop plates, which increases its effectiveness.

3. MACHINE ASSEMBLY AT THE CUSTOMER

- Always assemble the machine on a flat and reinforced surface.
- Use the Spare Parts Catalogue with 3D views as reference for assembly.
- The operator must perform the assembly according to the instructions of the producer, best in cooperation with the expert servicing technician determined by the producer.



- The operator must secure a functional test of all assembled parts after the completion of the machine assembly.
- The operator must secure that the handling of the machine using lifting equipment during its assembly is in accordance with chapter "C"/p.10.

4. **COMMISSIONING**

• Before taking over the machine, test and check, whether damage occurred during transport and whether all parts contained in the bill of delivery were supplied.



- Before commissioning the machine, carefully read this operating manual, especially Chapters **A-D** page 8-12. Before the first use of the machine, familiarise yourselves with its controls and overall function.
- During work with the machine, observe not only the instructions of this operating manual but also generally valid regulations of work safety, health protection, fire and transport safety, and environmental protection.
- The operator must check the machine before every use (commissioning) from the standpoint of completeness, work safety, work hygiene, fire safety, transport safety, and environmental protection.
- A MACHINE SHOWING SIGNS OF DAMAGE MUST NOT BE COMMISSIONED!!
- Aggregation of the machine with the tractor is to be performed on a flat and hardened surface.
- When working on slopes, observe the lowest slope grade of the set TRACTOR MACHINE.
- Before starting the tractor motor, check whether no person or animal is in the working space of the set and push the warning sound signal.
- The operator is responsible for the safety and all damage caused by the operation of the tractor and the connected machine.
- The operator is obliged to adhere to the technical and safety regulations of the machine determined by the producer when working.
- The operator must raise the machine when turning at the plough turning end, i.e. the working parts must not be in the ground.
- The operator is obliged to observe the prescribed working depths and speeds stated in the manual in table page 6-7 when working with the machine.
- The operator is obliged to lower the machine to the ground and secure the set against movement before leaving the tractor cabin.



When connecting, no persons may stay in the space between the tractor and the machine. Exercise utmost caution!

4.1 AGREGATION TO A TRACTOR

- The machine can be connected only to a tractor, whose curb weight is identical or higher than the overall weight of the connected machine.
- The machine operator must observe all generally valid regulations of work safety, health protection, fire safety, and environmental protection.
- The operator may connect the machine exclusively to a tractor that is equipped with a rear three-point hitch or lower agro tow bar and a functional undamaged hydraulic system.





- The controlling distributors in the tractor must be secured or blocked when the machine is in the transport position or when the machine is not in use to prevent accidental or third-party (children, passengers) caused movement of the hydraulics.
- Aggregate the machine with the tractor using type and dimensionally consistent components corresponding to the output requirements. For example, do not aggregate a machine with ø50mm pulling loop to ø40mm pin.
- The design allows selecting from several versions of aggregation to the tractor

Aggregation to the rear TBZ hitch





HYDRAULIC OIL SPECIFICATIONS

The hydraulic circuit of the machine is filled with oil at the factory:

Performance level: API GL 5; SAE 10W-30; SAE 80

Manufacturer's specification: ALLISON C4; CATERPILLAR TO-4; VOLVO VCE WB 101; 97303 JONH DEERE 20C/20D ZF TE-ML 03E/05F/06E/06F/06K/17E/21F; PARKER

DENISON HF-0/HF-1/HF-2 New HOLLAND NH 420A/410B MASSEY FERGUSON M1135/M1141/M1143/ M1145 KUBOTA UDT Fluid CASE IH MS-1204/MS-

1206/ MS-1207/MS-1209 FORD M2C134D M2C86B/C CNH MAT 3525/ MAT3526 SPERRY VICKERS/EATON M2950S, I-280-S SAUER

SUNDSTRAND(DANFOSS) Hydro Static Trans fluid; CASE CNH MAT 3540(CVT), Claas(CVT), AGCO CVT; ML200, Valtra G2-10(XT-60+)

4.2 HYDRAULIC OF THE MACHINE



Parts of the hydraulic system of the machine, which are under pressure, are forbidden to disassemble. Hydraulic oil that penetrates the skin under high pressure causes severe injuries. In case of injury, seek a physician immediately.

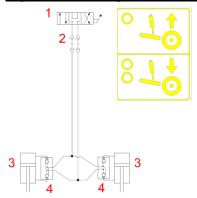
- Connect the hydraulics only when the hydraulic circuits of the machine and the tractor (aggregate) are in a pressure-less condition.
- The hydraulic system is under high pressure. Regularly check for leaks and immediately remove obvious damage of all lines, hoses, and pipe unions.
- When seeking and removing leaks, use only the suitable tools.
- For connecting the hydraulic system of the machine to the tractor, use the plug (on the machine) and the socket (on the tractor) of the quick-couplers of the same type.
- For simplification, the hydraulic circuits are marked by different colours.



O +		HYDRAULIC CIRCUIT FOR SIDE FRAME FOLDING - ONE RED RING Pressurizing this branch of the circuit folds side frames into the transport position.	Flow limiters reducing the speed of the piston-rod operation are used in the circuit.		
00	-	HYDRAULIC CIRCUIT FOR SIDE FRAME FOLDING - TWO RED RINGS Pressurizing this branch of the circuit unfolds side frames into the working position.	The precise position can be found in the Spare parts catalogue.		
	+	HYDRAULIC CIRCUIT FOR AXLE CONTROL - ONE YELLOW RING Pressurizing this branch of the circuit brings the axle into the position when the machine rides on the working rollers and the axle wheels are in the air.	Flow limiters reducing the speed of the piston-rod operation are used in the circuit.		
00 -		HYDRAULIC CIRCUIT FOR AXLE CONTROL - TWO RED RINGS Pressurizing this branch of the circuit lifts the transport axle into the transport position, i.e. the machine rides on the axle tyres.	The precise position can be found in the Spare parts catalogue.		
00	+	HYDRAULIC CIRCUIT FOR ADJUSTING THE TILT OF THE TINE HARROWS IN THE BH3 SECTION - ONE BLUE + ONE GREEN RING Pressurizing this branch of the circuit lifts the leveller away from the ground surface.	Flow limiters reducing the speed of the piston-rod operation are used in the circuit.		
000	-	HYDRAULIC CIRCUIT FOR ADJUSTING THE TILT OF THE TINE HARROWS IN THE BH3 SECTION - TWO BLUE + ONE GREEN RING Pressurizing this branch of the circuit lowers the leveller towards the ground surface.	The precise position can be found in the Spare parts catalogue.		
0	+	HYDRAULIC CIRCUIT FOR CONTROLLING THE WORKING DEPTH OF SECTION BH3 - ONE GREEN RING Pressurizing this branch of the circuit lifts section BH3 from the processed profile.	Flow limiters reducing the speed of the piston-rod operation are used in the circuit.		
00	-	HYDRAULIC CIRCUIT FOR CONTROLLING THE WORKING DEPTH OF SECTION BH3 - TWO GREEN RINGS Pressurizing this branch of the circuit lowers section BH3 into the processed profile.	The precise position can be found in the Spare parts catalogue.		
0	+	HYDRAULIC CIRCUIT FOR THE SUPPORT LEG CONTROL - ONE BLACK RING Pressurizing this branch of the circuit lifts the support leg off the ground towards the drawbar construction.	Flow limiters reducing the speed of the piston-rod operation are used in the		
00	-	HYDRAULIC CIRCUIT FOR THE SUPPORT LEG CONTROL - TWO BLACK RINGS Pressurizing this branch of the circuit lowers the support leg from the drawbar construction to the ground.	circuit. The precise position can be found in the Spare parts catalogue.		

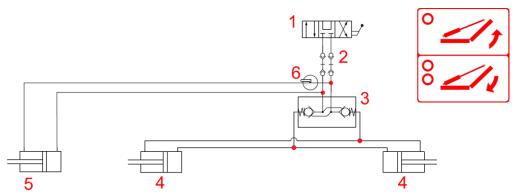


Hydraulic diagram – AXLE CONTROL



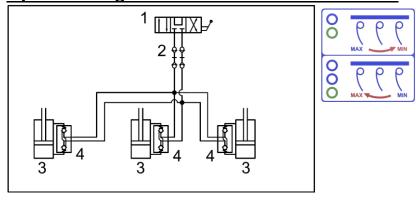
- 1- Control distributor in the tractor
- 2- Hydraulic snap couplings
- 3- Hydraulic cylinders of the axle control
- 4- Hydraulic closing valve for axle cylinders

<u>Hydraulic diagram – SIDE FRAME FOLDING CONTROL</u>



- 1- Control distributor in the tractor
- 2- Hydraulic snap couplings
- 3- Hydraulic closing valve of the cylinder for side frame unfolding
- 4- Hydraulic cylinders of side frame unfolding
- 5-Hydraulic cylinder of the side frame connecting rod
- 6-Shut-off valve of the side frame connecting rod

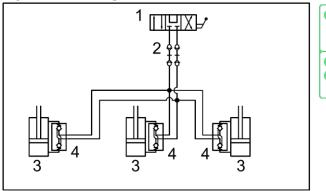
Hydraulic diagram - HARROW ANGLE CONTROL



- 1- Control distributor in the tractor
- 2- Hydraulic snap couplings
- 3- Hydraulic cylinders of control
- 4- Hydraulic closing valve



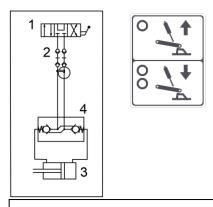
Hydraulic diagram - HARROW FRAME HEIGHT CONTROL





- 1- Control distributor in the tractor
- 2- Hydraulic snap couplings
- 3- Hydraulic cylinders of control
- 4- Hydraulic closing valve

DRAWBARS FOR THE BOTTOM HITCH (C50; K80) <u>Hydraulic diagram - SUPPORT LEG CONTROL</u>



- 1- Control distributor in the tractor
- 2- Hydraulic snap couplings
- 3- Hydraulic cylinders of control
- 4- Hydraulic closing valve



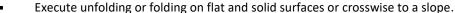


4.3 FOLDING AND UNFOLDING THE MACHINE

When executing any of the hydraulic movements, slow down the moving parts of the machine before position stop by choking a relevant valve on the tractor control!



- The hydraulics for the folding and unfolding must be connected to the double-action hydraulic circuit.
- The operator must ensure that there are no people or animals within the reach of the side frames during their unfolding or folding (i.e. in the place of their position stop) and that no one puts their fingers or other body parts into the area of the joints.





- Unfold or fold the machine only when it is lifted on the axle.
- Remove any soil stuck on the folding places as it may disturb the function and cause damage to the mechanics.
- During folding or unfolding, check the side frames and have them continuously fold into the end position to the stoppers.

4.3.1 PUTTING THE MACHINE INTO TRANSPORT POSITION

> LIFT THE MACHINE UP ON THE AXLE

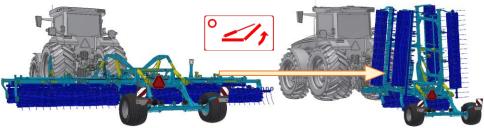
Lift the machine on the axle by pressurizing the hydraulic circuit marked with two yellow rings. Continue lifting until the piston-rod is drawn out to the end position. At the same time, lift the rear arms of the tractor, if the machine is aggregated in this way. If the machine is aggregated to the fixed bottom hitch of the tractor, the machine is lifted automatically with the axle.



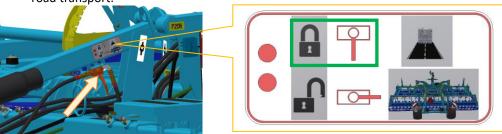
Clean the machine from impurities.

> FOLD THE SIDE FRAMES INTO THE TRANSPORT POSITION

o Pressurizing the hydraulic circuit marked with one red ring continuously folds the side frames into the transport position. The machine is factory-set so that the side frames rest on the stops of the central frame when the piston-rod is drawn out to the maximum position.



Close the ball valve on the machine drawbar to prevent accidental unfolding of the side frames during road transport.

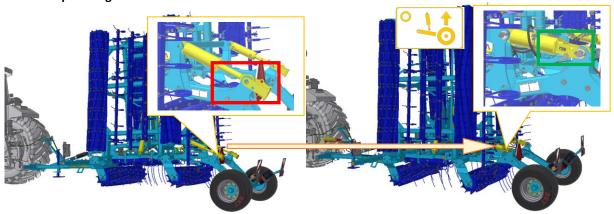


Block or close the circuit.



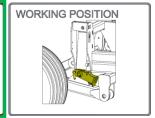


!! Warning: When the DC800PS machine is folded into the transport position, and the axle cylinders are fully extended, the machine height exceeds the legal limit of 4 metres. Therefore, on the DC800PS machine, the axle cylinder stops must be flipped into the transport position to ensure the correct transport height. Then, using the axle circuit controls, lower the machine onto these stops. This ensures a transport height of 4 metres.





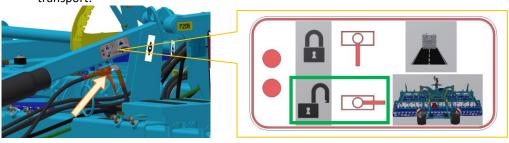




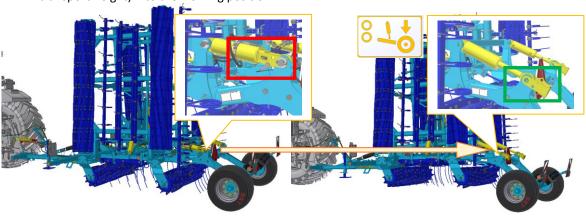


4.3.2 PUTTING THE MACHINE INTO THE WORKING POSITION

Open the ball valve on the machine drawbar blocking accidental unfolding of the side frames during road transport.



On the DC800PS machine, fully extend the axle cylinders and flip the stops (which ensure the 4 m transport height) into the working position.



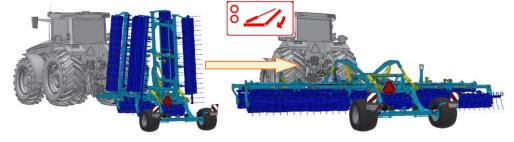
Axle stop pictogram – WORKING POSITION





> RELEASE THE SIDE FRAMES INTO THE WORKING POSITION

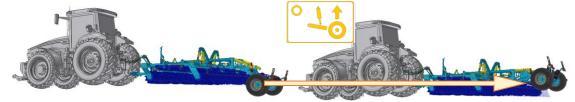
 Unfold the side frames continuously into the working position by pressurizing the hydraulic circuit marked with two red rings.





PLACE THE MACHINE ON THE WORKING ROLLERS

continue until the piston-rod is completely drawn in and the travelling wheels are lifted above the ground. The machine is standing on its working parts. At the same time, lower the rear arms of the tractor, if the machine is aggregated in this way. If the machine is aggregated to the fixed bottom hitch of the tractor, the machine is lifted automatically with the axle. If the machine is aggregated to the fixed bottom hitch of the tractor, the machine is lowered automatically with the axle control.



Block or close the circuits.



5. MACHINE TRANSPORT ON ROADS

- According to Chapter 4.3.1, the machine must be put into the transport position, i.e. the machine is folded.
- Mechanical axle stops must be used for DC800PS machines in order to observe the transport height below 4m.
- The machines are equipped with reflective plates in the front and in the rear that outline the exterior profile. The operator shall keep the plates clean and free from any damage.
- The operator must clean the machine of any dirt to prevent the contamination of the roads before setting off.
- The operator must prepare the machine for the transportation so that it meets the valid regulations, directives and ordinances for road transportation.
- The operator is obliged to pay increased attention during transport on roads, due to the transport dimensions of the machine.
- The operator must observe the valid regulations for transport on roads (laws, decrees) after connecting the machine to the tractor, for reason of a change of the axle load. The driving properties of the set also change depending on the terrain nature, adapt the manner of driving to these conditions.
- The operator is obliged to present the machine certificate of roadworthiness as needed, according to the valid regulations for road traffic (decree, law) (only in the Czech Republic).
- The operator is obliged to secure sufficient outlook during reversing from his position of the tractor driver. In case of insufficient outlook, the operator is obliged to call a competent and informed person.
- It the machine is aggregated behind the tractor with the rear arms of the three-point hitch, the operator must secure the three-point hitch rear arms of the tractor in the transport position when transporting the machine on roads, i.e. prevent sudden drop of the arms by the hydraulic shoulder control lever. At the same time, the arms of the rear TPH of the tractor must be secured against side swinging.
- During machine transport on roads, the operator must observe the valid laws and decrees that deal with this topic and which specify the relationships of the tractor axle load depending on transport speed.



IT IS FORBIDDEN TO TRANSPORT THE MACHINE ON ROUDS WHEN VISIBILITY DISTANCE IS REDUCED!!!

Checking the nuts on the transport axle

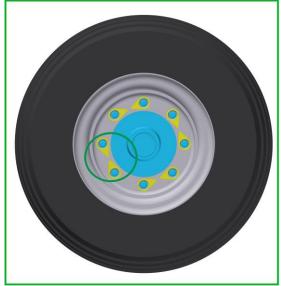
- Use the plastic arrow "Check Point" to check for loose nuts. It promptly shows the condition of the nuts, whether they are loose or not.
- Always check the Check Points before driving.
- When the arrows are not facing one another, the nuts have to be tightened to the required torque and the Check Point arrows have to point against one another as shown in the green picture.

Torque for the axle nuts:

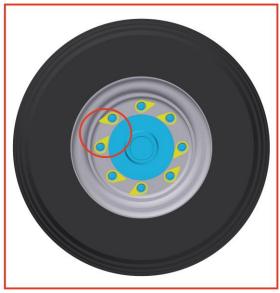
M18x1,5 - 265Nm

M20x1,5 - 343Nm

M22x1,5 - 440Nm







DANGER – WHEEL NUTS HAVE LOOSENED!

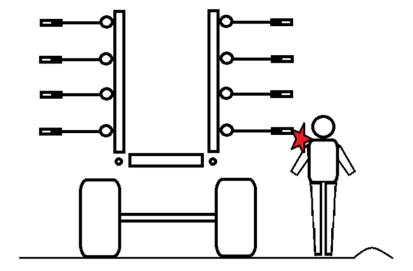


5.1 SHARP MACHINE PROJECTION

The machine contains sharp structural projections.



- It is prohibited to operate and transport the machine on roads when visibility is reduced!! Persons or objects, or other road traffic participants could get caught.
- The machine operator must be extra cautious when driving on roads and consider the width of the machine and safe distance from persons, vehicles and objects, or other road traffic participants!!



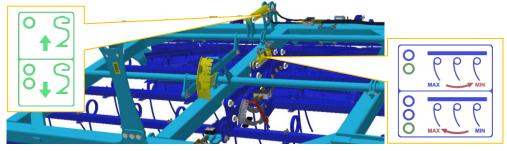


6. ADJUSTING THE WORKING PARTS OF THE MACHINE

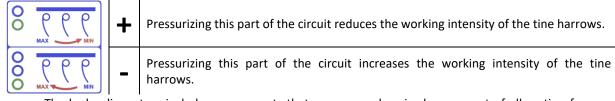
- The height and tilt of the tine harrows on the machine can also be adjusted
- > The drawbars of folding can also be adjusted

6.1 ADJUSTMENT OF THE BH3 SPREADING SECTION

- Height and tilt adjustment of the spreading section frames and the tine harrows is controlled from the tractor cab using two hydraulic circuits.
- Initial set-up must be performed with the machine stationary and unfolded into the working position. While driving, the position and tilt can be fine-tuned based on field conditions.
- Always adjust the tilt of the tine harrows first, followed by height adjustment. Always consider current operating conditions. Adjust the BH3 section so that processed plant residues do not accumulate in the machine and can flow through it freely.



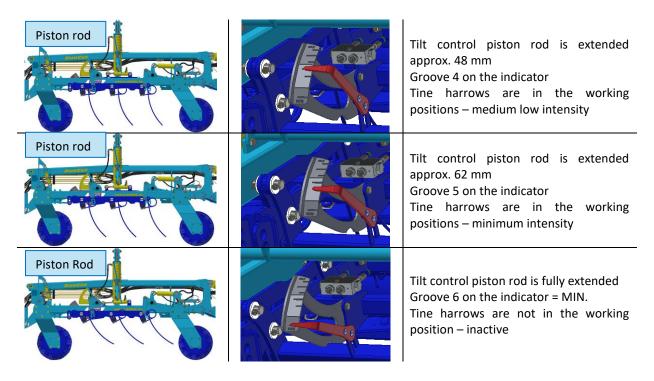
6.1.1 TINE HARROW TILT ADJUSTMENT



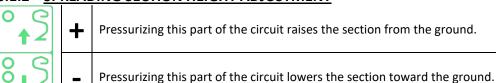
- The hydraulic system includes components that ensure synchronized movement of all section frames. Therefore, oil flow in the circuit must be set to 75–100% capacity.
- Any tampering with the components of the hydraulic system is strictly prohibited without prior manufacturer approval!

PISTON ROD POSITION	INDICATOR GROOVE	DESCRIPTION
Piston rod		Tilt control piston rod is fully retracted Groove 1 on the indicator = MAX. Tine harrows are in the working positions – maximum intensity.
Piston rod		Tilt control piston rod is extended approx. 17 mm Groove 2 on the indicator Tine harrows are in the working positions – very high intensity
Piston rod		Tilt control piston rod is extended approx. 33 mm Groove 3 on the indicator Tine harrows are in the working positions – medium high intensity





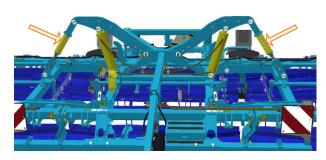
6.1.2 SPREADING SECTION HEIGHT ADJUSTMENT



- The hydraulic system includes components that ensure synchronized movement of all section frames. Therefore, oil flow in the circuit must be set to 75–100% capacity.
- Any tampering with the components of the hydraulic system is strictly prohibited without prior manufacturer approval!

7. SIDE FRAME FOLDING DRAWBARS

- The folding mechanism of side frames connected to the central frame uses drawbars with integrated compression springs, thanks to which it is possible to achieve the partial transfer of the weight of the central frame onto the side frames, thus achieving even soil cultivation, when the central frame does not work deeper than the side frames.
- As soil conditions may differ, it is possible to change the spring preloading on the drawbars, or the entire length of the bar. The length of the bar needs to be considered when the machine is delivered disassembled and the length of the rod may change during shipping when compared with the factory settings.



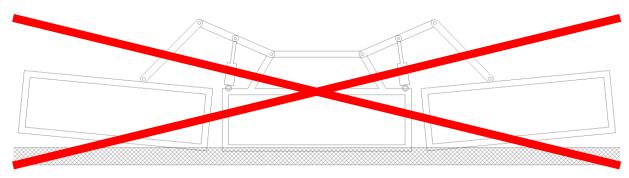
- Always adjust the length of the spring when the machine is in standstill and unfolded in the working position = = the machine rests on the working rollers.
- Adjust the rod length when the machine is unfolded into the working position and in standstill.
- When adjusting, always observe generally valid labour safety regulations.





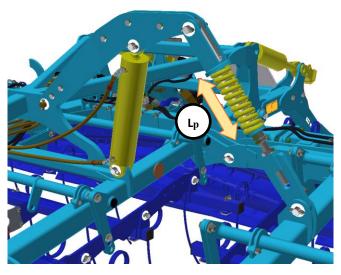
7.1 ADJUSTING THE FOLDING DRAWBAR SPRING-LP

When to change the spring preloading? When the folding piston-rods are completely drawn in during field work and the side frames are lifted and create a "V" shape. That means that the drawbar spring is not preloaded enough and it has to be preloaded more = shorten.



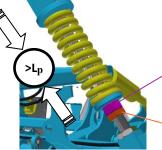
The springs are factory-set to the L_p spring length. The spring preloading can be changed according to the current needs.

Machine type	L _p (mm)
DC500PS	290
DC600PS	280
DC700PS	275
DC800PS	265





Shorten the spring length to \bigcirc size **46**. Loosen the low locknut to allow adjustment of the spring preload using the standard nut.(>) L_p ..



SPRING LENGHT ADJUSTMENT NUT

LOOSEN THE LOW LOCKNUT

By shortening the L_P spring length, the force of the spring is increased and the effect of the unloading of the central frame is greater. The permissible **spring preloading** against the standard dimension is **maximally -15mm**".

Machine type	L _p (mm)
DC500PS	min. 275
DC600PS	min. 265
DC700PS	min. 260
DC800P5	min. 250



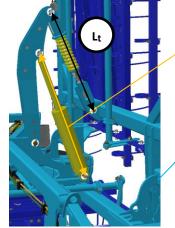
7.2 ADJUSTMENT OF THE TILT LINK LENGTH -Lt

The machine is factory-set so that in the **unfolded working position**, the tilt cylinder rods are fully retracted, and the side frames hang freely while resting on the axle.



The machine is factory-set so that in the **folded transport position**, the tilt cylinder rods are fully extended, and the side frames rest against the stops on the centre frame.





With the tilt cylinder rod fully extended, the axial distance between the pins should be L=1005mm

In this condition, the side frame rests against the stop on the centre frame.



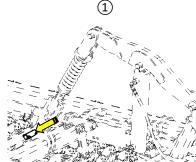
A machine set up in this way will operate reliably in both working and transport positions. Only adjust the tilt link length L_t if the above settings are not valid for your machine!

7.2.1 SHORTENING THE DRAWBAR

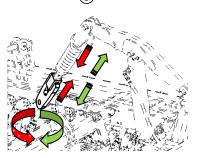
The piston-rod is maximally drawn out when the side frames have been folded but the side frames are not resting on the stops of the central frame. There is a risk of damage to the frame structure during transportation of the machine on roads.

7.2.2 EXTENDING THE DRAWBAR

- After folding the side frames into the transport position, the side frames are already resting against
 the stops on the centre frame, but the tilt cylinder rods are not fully extended. There is a risk of
 damage of the frame structure due to forces caused by the hydraulics.
- Proceed as follows. Unfold the machine into the working position, ① changing the pin of the drawbar joint to the side frame, ② lift off the drawbar from the side frame, ③ turn the nut of the drawbar. When you change the length, proceed in the reverse way.











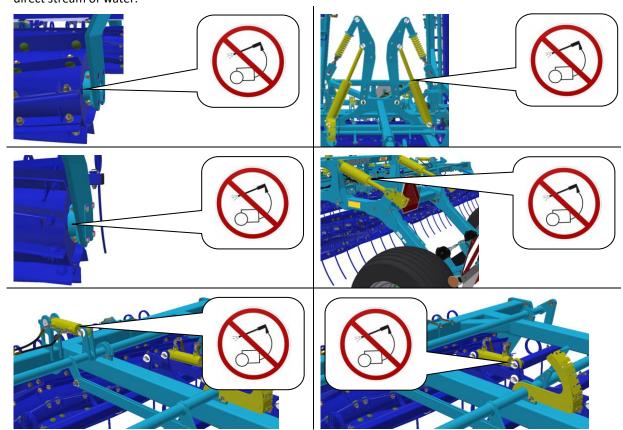
8. MAINTENANCE AND REPAIRS OF THE MACHINE

- Observe the safety instructions and regulations for maintenance and repairs.
- Check that all screws and other assembly points are tight before each use of the machine and whenever needed.
- Regularly check the prescribed pressure in tyres of the machine and the condition of the tyres.
- Regularly check the wear and tear of the working parts of the machine. The quality of work decreases with the worn working parts.
- Lubricate all indicated lubrication places according to Chapter 8.1.
- Replace the roller blades according to Chapter **8.2**.
- Adjusting, cleaning and lubricating the machine may only be performed when the machine is standing still, i.e. the machine is stopped and is not working.
- When adjusting, cleaning, maintaining and repairing the machine, secure the folding and rotary parts of the machine that could put the operator in danger by fall or other movement.
- When repairing the unfolded machine parts, use a suitable support device leaning against labelled places or appropriate places.
- For attaching the machine when manipulating it with the use of lifting equipment, use only places marked by stick-on labels with the symbol of a chain _____.
- ➤ If there is a defect or damage on the machine, immediately turn off the tractor engine and secure the engine from turning on, secure the set and the machine against movement ⇒ then you can remove the defect.
- When repairing the machine, use only original spare parts, suitable tools and protective equipment.
- Order original spare parts according to the Spare Parts Catalogue.
- If you have to weld during the repair and have the machine attached to the tractor at the same time, the supply cables have.



We do not recommend cleaning the hydraulic piston-rods and bearings of working rollers by high-pressure wash or by washing with direct water stream.

The sealing of the piston-rods and bearings of the rollers might get damaged during high-pressure wash or direct stream of water.





MAINTENANCE PLAN

Perform the planned maintenance according to the instructions:

	refrontition planned manned according to the motification.						
	Maintenance Task	Daily	Once a	Before	After	Time	
		(season)	week	season	season	interval	
Machi	ine in general						
•	Visual inspection of the machine						
•	Checking for any undesirable sounds,	X					
	vibrations and excessive wear						
•	Checking crucial nodes: pins, bearings,	X		Х	X		
	rollers, working parts	^		^	^		
•	Machine cleaning						
•	Storing the machine under roof, if						
	possible		Χ		Χ		
•	Recording the mileage of the						
	machine/season (ha)						
•	Comprehensive inspection				V		
•	Checking the frame	X			Х		



Do not use a high-pressure cleaner or direct stream of water to clean the hydraulic rollers, bearings, electric and electronic parts. The seals and bearings are not waterproof at high pressure.

Hydraulic system						
Checking the function, tightness, mounting and worn spots of all hydraulic parts and hoses		X	Х			
 Hydraulic hoses – replacement: Damaged external casing of the hose (mechanically or blistered) Fluid seepage (especially the end piece) Bumps or blisters on the hose Deformed or corroded end piece Loose end piece – the hose spins 	X			X		
Hydraulic hoses - replacement: • Expired service life of the hose					6 years	

!!! PREVENTION means removing the problem according to the plan, outside the season, without stress and comfortably before a secondary problem, an accident or a health hazard arises.



MAINTENANCE PLAN Perform the planned maintenance according to the instructions:

instructions:							
	Maintenance Task	Daily	Once a	Before	After	Time	
		(season)	week	season	season	interval	
Bolt connectio	ns						
Visual inspecti	on of bolt and hydraulic joints,						
tighten any loc	ose joints using a corresponding	V			V		
torque (see the	e torque chart)	X			X		
Towing lug – c	heck, tighten if						
needed							
M16 - 10.9	9. 300 Nm		Х	Х			
M20 - 10.9							
10120 - 10.5	5. 300 MIII						
Whools ticht	on all whool nuts						
_	en all wheel nuts.						
	ne: after 10 hours of operation						
	replacement: after 10 hours of						
operati	on		Х	X			
M 18 x 1.5	5 300 Nm						
M 20 x 1.5	5 400 Nm						
M 22 x 1.5	5 500 Nm						
Brake system							
•	hoses – check the function,	.,		.,	.,		
tightness, mounting and clamping, or breaking		X		X	X		
Brake compon	ents – check the function,	V		V	V		
tightness, mounting		X		Х	X		
Air nozzle – dr	ain using the draining valve		Х		Х		
Draining valve – check the function, clean and				V	V		
replace sealing				X	X		
Pipe filter – clean				Х	Х		
	brake – check the function,	Х					
	escapement setting 25-45mm						
Brake lining – check the condition of the brake							
lining, min. thickness of 3mm					X		
Wheels/axle							
Checking the t	yre pressure						
Transport axle	19.0/45-17 144 A8 Tlak 280 kPa	.,					
K500-1000PS	19.0/45-17 148 A8 Tlak 330 kPa	Х			Х		
	19.0/45-17 152 A8 Tlak 390 kPa						
Tuonanantasila	19.0/45-17 157 A8 Tlak 475 kPa						
Transport axle bearings – check and adjust		Daily			V		
allowance if needed (in the workshop)		(season)			X		



MAINTENANCE PLAN Perform the planned maintenance according to the instructions:

Maintenance Task	Daily	Once a	Before	After	Time		
	(season)	week	season	season	interval		
Electric cables							
Check for any damage, replace if needed		X	Χ				
Safety measures	Safety measures						
Lighting and safety hatched boards – check	V		V				
the condition, function and cleanliness	X		Χ				
Hazard and safety labels – check that they		Х					
are installed and legible		Α					
Machine lubrication plan							
Drawbar joint / lifting loop – grease	Х			Х			
Handbrake bolt – grease or suitable oil	Х			Х			
Axle bearings – grease with Lithium content				V			
– check, refill if needed				X			
. 6:							

After season

Entire machine

- Treat and clean the machine; do not spray oil or similar agents on the plastic parts
- Spray the piston-rods of the hydraulic cylinders with suitable anti-corrosion agents
- Check the tightness of all bolt and plug-in connections (see the torque chart)
- Check for any damage of the electric cables and replace if needed

Brake system

- Preserve the anti-freeze fluid for air-brake systems (about 0.1l), ethanol-free, before the last ride, use fluid recommended by the tractor manufacturer.
- Secure the machine against movement by Scotch blocks.
- Release the parking brake, release air from the air nozzle and close the brake lines.
 The service brake must be released during winter so that it does not get stuck on the brake drum

Points of Iubrication

Grease the points of lubrication according to the lubrication plan, use grease KP2P-20 Likx, under DIN 51 502

!!! PREVENTION means removing the problem according to the plan, outside the season, without stress and comfortably before a secondary problem, an accident or a health hazard arises.



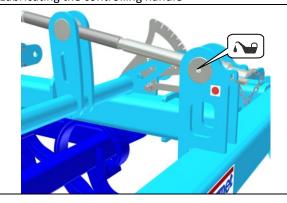
8.1 LUBRICATION PLAN FOR THE MACHINE

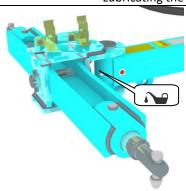
Regular lubrication of lubricating places increases the usable life of the nodes and the machine. Perform lubrication according to the "Lubrication Plan".

When lubricating the bearings of the rollers, observe caution so that you do not damage the bearings. When lubricating the bearings of the rollers, turn the roller around so that the lubricant spreads evenly. Lubricate the nodes until clean lubricant is coming out of them. Then wipe the lubricant off.

Places and intervals of lubrication

PLACE FOR LUBRICATION	INTERVAL	LUBRICANT		
Controlling handle	-Always before work with the	-Plastic lubricant according to		
	machine.	DIN 51 502		
Dala isint	Always after the work and before	1) K EP2 - 30		
Pole joint	putting the machine out of operation.	2) KP2P-20 Likx		
Lubricating the controlling handle		Lubricating the pole joint		







MANIPULATION WITH LUBRICANTS:

- Treat oils and lubricants as hazardous waste according to valid regulations and acts.
- Protect yourself from direct contact with oils by using gloves or protective lotion.
- Wash oil stains on skin thoroughly with warm water and soap. Do not clean the skin with petrol, diesel oil or other dissolving agents.
- Oil or lubricant is poisonous. If you swallow any, immediately seek a doctor.
 - ➤ Keep oil and lubricants out of reach of children.



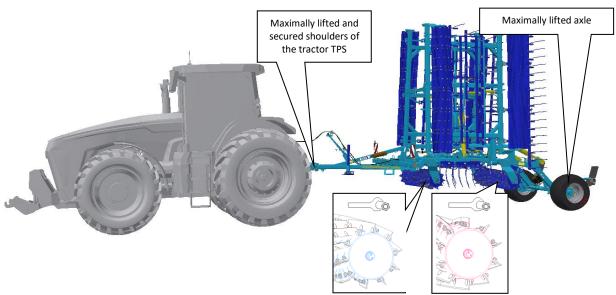
8.2 REPLACEMENT OF WORN ROLLER BLADES



- Always follow all safety regulations and instructions when replacing blades.
- ➤ Blade replacement must only be carried out on a solid, level surface and with the machine completely stationary.
- If the hydraulic system of the tractor is not tight, you have to provide mechanical supports for the machine pole.

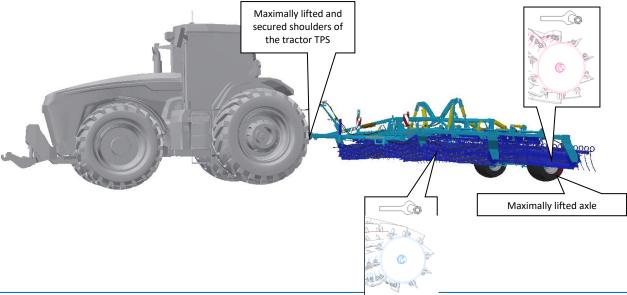
8.2.1 REPLACEMENT OF WORN BLADES ON THE CENTRE FRAME

- Place the machine into the transport position according to chapter 4.3.1/p.19.
- Lift the rear TPS arms of the tractor (with the attached machine) to their maximum position and secure them against lowering. Only then it is permitted to perform blade replacement.
- Rotate the roller so that the damaged blade is accessible for replacement.
- Ensure the correct orientation of the blade on the roller front and rear rollers are not identical.
- If a large number of blades need to be replaced, remove the roller from the machine and carry out the replacement in a workshop.



8.2.2 REPLACEMENT OF WORN BLADES ON THE SIDE FRAMES

- Unfold the machine into the working position and lift the axle.
- Rotate the roller so that the damaged blade is accessible for replacement.
- Ensure the correct orientation of the blade on the roller front and rear rollers are not identical.
- If a large number of blades need to be replaced, remove the roller from the machine and carry out the replacement in a workshop.



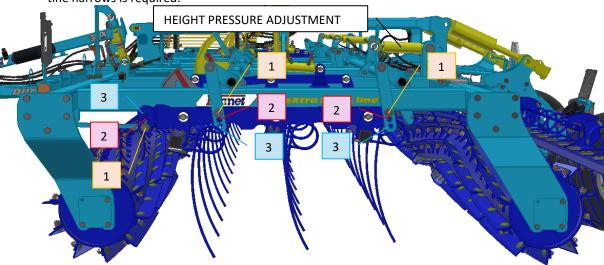


8.3 REPLACEMENT OF WORN TINE HARROWS

- > Always follow all safety regulations and instructions when replacing springs.
- Tine harrow replacement must only be carried out on a solid, level surface and with the machine completely stationary.
- In the case of leaks in the tractor hydraulic system, you are required to provide mechanical supports under the machine drawbar.

8.3.1 ELIMINATING WEAR ON THE TINE HARROWS

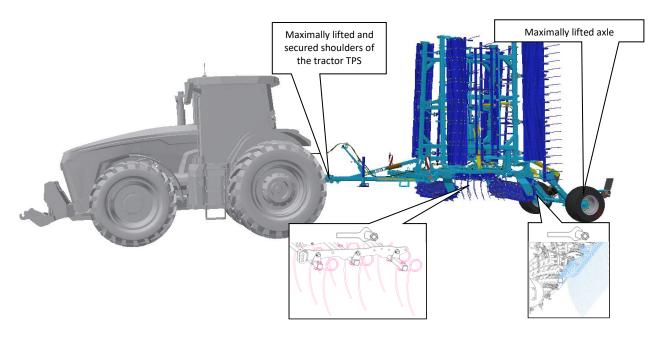
- The tine harrows on the BH3 working section will gradually wear down due to continuous pressure—
 this results in a reduction of their length over time. As a result, the range of height pressure
 adjustment will eventually become ineffective. The design allows the BH3 section frames to be
 progressively repositioned from position 1 to position 2 and then to position 3, lowering the frames so
 that the pressure range remains functional. This means the tine harrows do not need to be replaced
 immediately when worn down in the default mounting position. All BH3 section frames must always
 be mounted in the same position.
- If the tine harrows are worn and the frames are already in position 3, a complete replacement of the tine harrows is required.



8.3.2 REPLACEMENT OF TINE HARROWS ON THE CENTRE FRAME

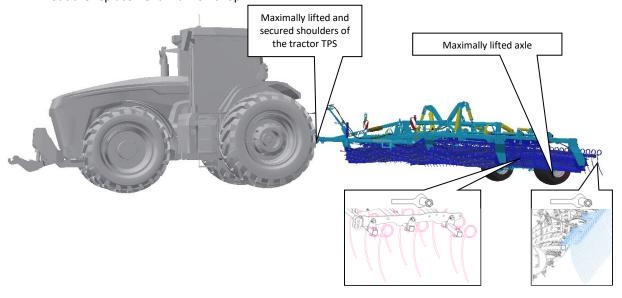
- Place the machine into the transport position according to chapter 4.3.1/p.19.
- Lift the rear TPS arms of the tractor (with the attached machine) to their maximum position and secure them against lowering. Only then it is permitted to perform tine harrow replacement.
- If a large number of tine harrows need to be replaced, remove the roller from the machine and carry out the replacement in a workshop.





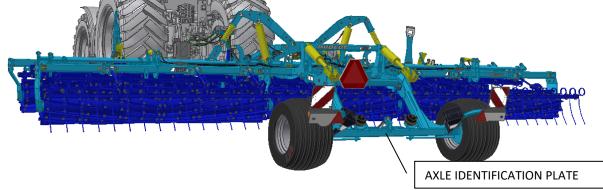
8.3.3 REPLACEMENT OF TINE HARROWS ON THE SIDE FRAMES

- Unfold the machine into the working position and lift the axle.
- If a large number of tine harrows need to be replaced, remove the roller from the machine and carry out the replacement in a workshop.



8.4 AXLE SPARE PARTS SPECIFICATION

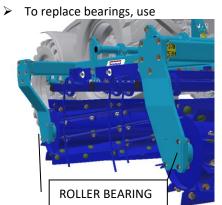
- > To ensure accurate spare parts specification, it is necessary to photograph the axle identification plate and provide the machine's serial number. This will help facilitate and speed up the correct identification of the required spare parts.
- > The necessary spare parts for the axle are listed in the machine's spare parts catalogue.

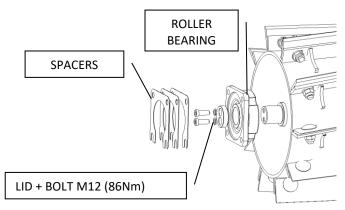




8.5 REPLACEMENT OF THE WORKING ROLLER BEARINGS

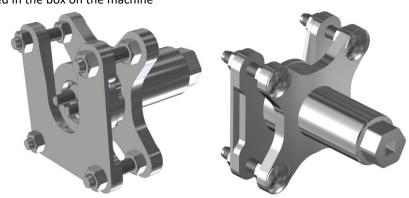
- Always follow the safety regulations and directives when replacing the bearings of rollers.
- ➤ The machine must be aggregated with the tractor according to Chapter "4.1/p.14" when replacing the bearings. The tractor engine must be switched off for the replacement of bearings and the operator, or repairman, must prevent any access to unauthorised persons to the tractor.
- > Only replace the roller bearings on a solid and flat ground and when the machine is in standstill.
- In the case of leaks in the tractor hydraulic system, you are required to provide mechanical supports under the machine drawbar.



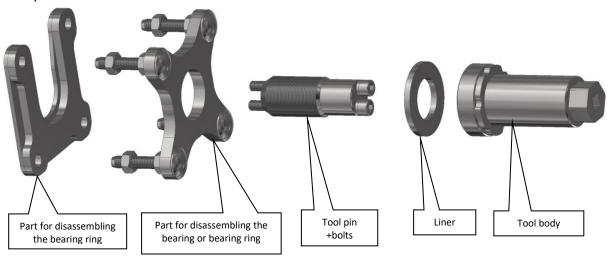


8.5.1 USING THE TOOL FOR BEARING DISASSEMBLY AND ASSEMBLY

> The tool placed in the box on the machine





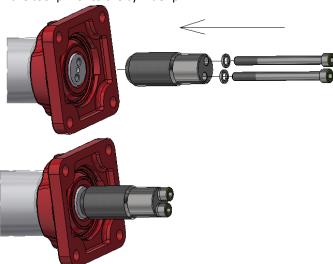




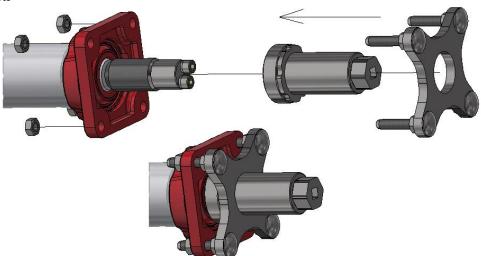
8.5.1.1 COMPLETE BEARING DISASSEMBLY

Procedure:

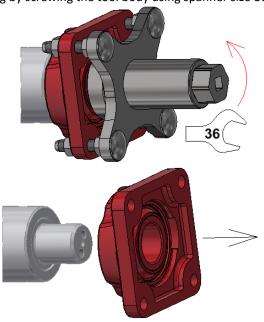
1 Mount and screw the tool pin onto the cylinder pin.



2 Screw the tool body in, insert the part for bearing disassembly and mount onto the bearing using the nuts



3 Disassemble the bearing by screwing the tool body using spanner size 36

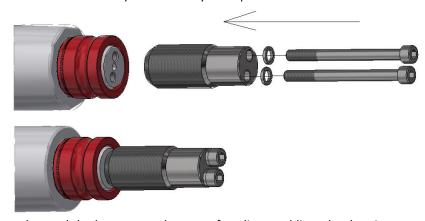




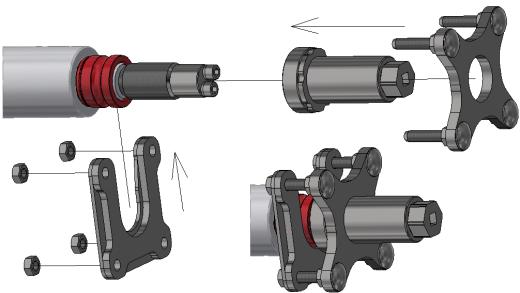
8.5.1.2 **DISASSEMBLY OF THE RING**

Procedure:

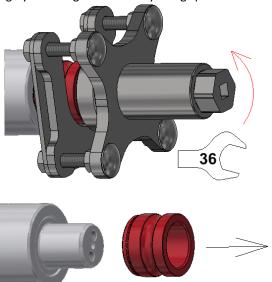
1 Mount and screw the tool pin onto the cylinder pin.



2 Screw the tool body, mount the part for disassembling the bearing, mount the part for disassembling the ring and attach it using the nuts.



3 Disassemble the ring by screwing the tool body using spanner size 36

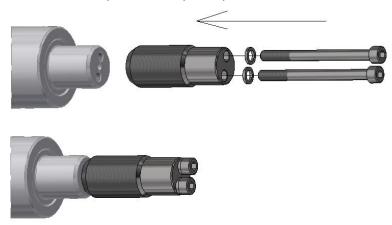




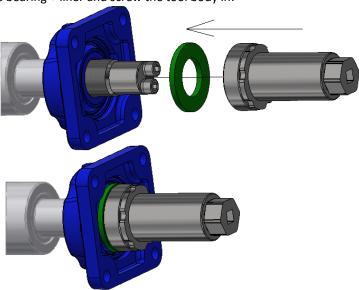
8.5.1.3 ASSEMBLING BEARINGS ONTO PINS

Procedure:

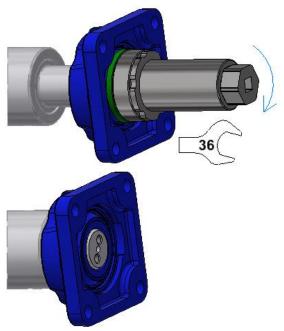
1 Mount and screw the tool pin onto the cylinder pin.



2 Mount the bearing + liner and screw the tool body in.



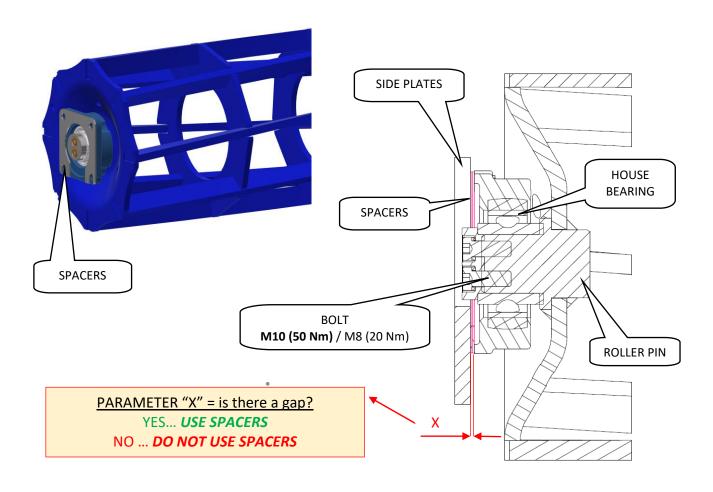
3 Assemble the bearing by screwing the tool body using spanner size 36





8.6 USING SPACER

- > The spacers are used for defining production tolerances. Therefore, they do not have to be always used.
 - o Mount the house bearings to the rollers
 - Insert the roller with the bearings between the frame side plates and assess whether you need to use the SPACERS

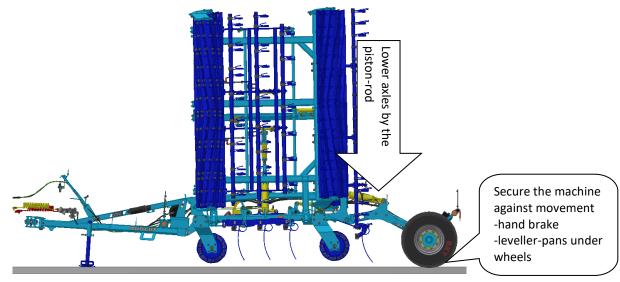




9. MACHINE STORAGE – LONG-TERM MACHINE SHUTDOWN:

- Store the machine under a roof, if possible.
- Store the machine on an even and solid ground with sufficient bearing capacity.
- Clean the machine before storing and make sure that the machine is not damaged during the storage. Pay
 special attention to all labelled lubricating places and lubricate the machine according to the lubrication
 plan.
- Store the machine with folded frames in the transport position. Leave the machine on the axle and the standing leg; secure the machine against movement with wedges or other suitable instruments.
- The machine must not lean on the roller blades. Blades could get damaged.
- Prevent access by unauthorized persons to the machine.
- Lower the axle of the machine into a lower position with the use of the hydraulic circuit; secure the pistonrods with ball valves.

Lowering the height of the machine on the axle when laying it of



10. PROTECTION OF ENVIRONMENT

- Check the tightness of the hydraulic system regularly.
- Replace or repair hydraulic tubes or other parts of the hydraulic system showing signs of damage, before oil starts to leak.
- Check the condition of hydraulic tubes and execute their timely replacement. The usable life of hydraulic tubes also includes the storage time.
- Treat oils and lubricants according to valid acts and regulations on wastes.

11. MACHINE DISPOSAL AFTER SERVICE LIFE EXPIRY

- The operator must secure during machine disposal that steel parts and parts, in which hydraulic oil or lubricating grease moves are differentiated.
- Steel parts must be cut by the operator while observing safety regulations and handed over to the secondary raw material collection point. He must proceed with other parts according to valid laws about waste.



12. SERVICING AND WARRANTY CONDITIONS

12.1 SERVICING

Servicing is secured by the dealer after consulting with the manufacturer, possibly directly by the manufacturer. Spare parts then using the sales network by individual sellers in the entire country. Use only the spare parts according to the spare parts catalogue officially issued by the manufacturer.

12.2 WARRANTY

12.2.1 The manufacturer provides a basic warranty for the product for a period of 12 months. In the case of immediate registration of the sale to the end customer, including their valid contact details, the end customer receives an extended warranty of 36 months. The warranty is provided from the date the product is handed over to the end user (buyer). The registration must be completed by the seller (sales representative) on the My Farmet online portal. Upon correct registration, the end user will gain access to the My Farmet portal and all the benefits of the extended warranty.



- 12.2.2 The warranty covers hidden defects that manifest during the warranty period under proper use of the machine and in compliance with the conditions specified in the Operating Manual.
- 12.2.3 The warranty does not cover consumable spare parts, i.e., normal mechanical wear and tear of replaceable working parts (shares, discs, harrow tines, roller bearings, etc.).
- 12.2.4 The warranty is tied to the machine and does not terminate with a change of ownership. The extended warranty is conditional upon registering the new owner's contact details in the My Farmet portal.
- 12.2.5 The warranty is limited to disassembly and assembly, replacement, or repair of the defective part. The decision on whether the defective part will be replaced or repaired lies with the manufacturer, Farmet.
- 12.2.6 During the warranty period, repairs or other interventions on the machine may only be carried out by an authorized service technician of the manufacturer. Otherwise, the warranty will not be recognized. This provision does not apply to the replacement of consumable spare parts (see point 12.2.3).
- 12.2.7 The warranty is conditional upon the use of original spare parts supplied by the manufacturer.



2025/002/01

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