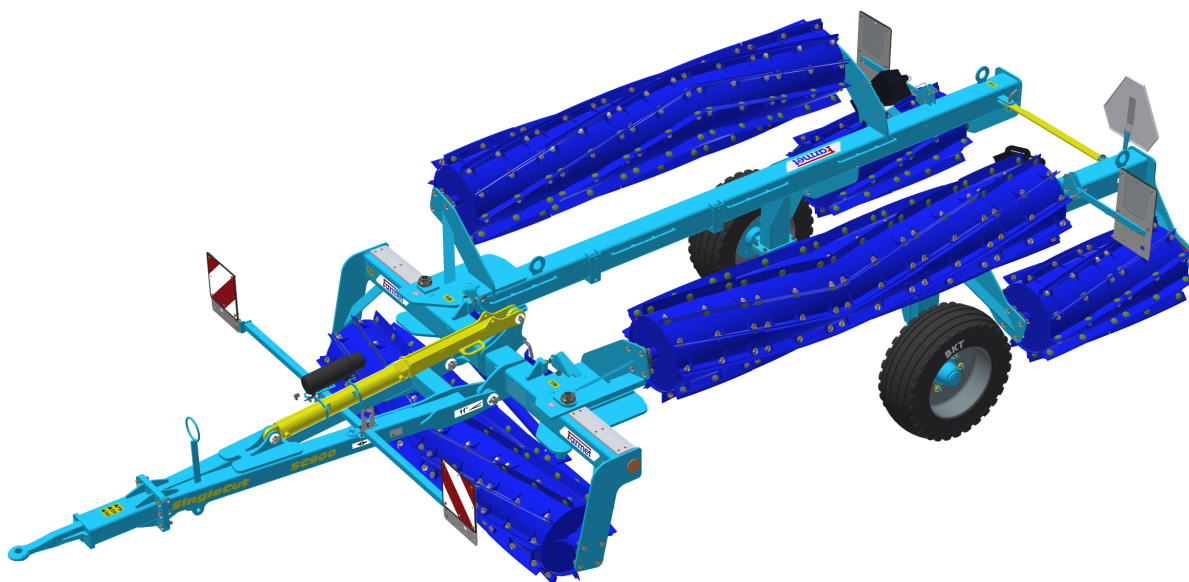


# OPERATING MANUAL

# **SINGLECUT**

## **SC600PS | SC900PS**



Edition: **1**

Effective from: **01.01.2025**

FARMET a.s.  
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## PREFACE

Dear customer,

The agricultural machine you have purchased is a high-quality product 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 (Your Machine Characteristics). This machine serial number must be stated whenever ordering spare parts for possible repairs. The production label is located on the frame .

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

### POSSIBILITIES OF USE OF THE CULTIVATOR

SINGLECUT is designed for:

- Flattening and cutting of cover crop stands
- Cutting plant residues after harvesting crops such as sunflower, rapeseed, or corn
- Partial surface loosening of soil

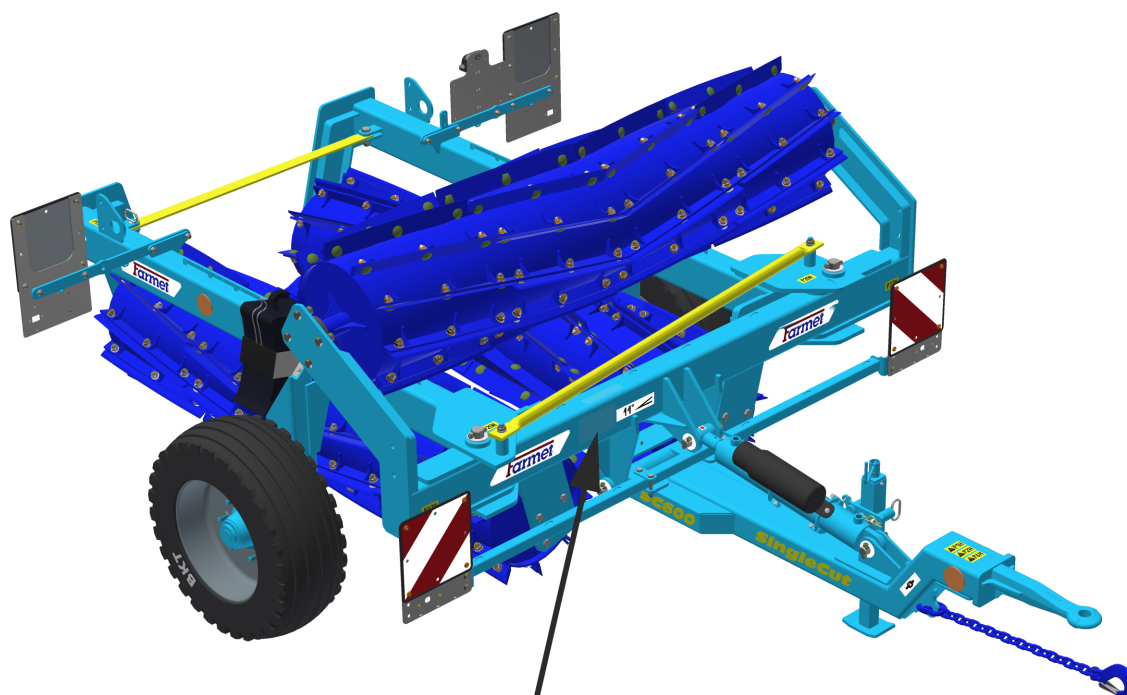
### YOUR MACHINE CHARACTERISTICS:

MACHINE TYPE :

MACHINE SERIAL NUMBER :

SPECIAL DESIGN OR ACCESSORIES :


Production label of the machine SINGLECUT



1 → **FARMET a.s.**  
**S2a**

2 → e8\*167/xxxxxxxxxx

3 → FARxxxxxxxxxxxxxx

4 → 1580 kg

5 → A-0: 0 kg

6 → A-1: 0 kg

7 → A-2: 0 kg

8 → A-3: 0 kg

<b>Farmet</b>		Jiřinková 276 552 03 Česká Skalice MADE IN CZECH REPUBLIC	
<b>SINGLECUT SC600PS</b>			
ROK/ YEAR	2025	MODEL ROK/ YEAR	2025
CELK. HMOT/ TOTAL WEIGHT		1580 kg	
kg	T-1	T-2	T-3
B-1	---	---	---
B-2	---	---	---
B-3	---	---	---
B-4	---	---	---





10 →

11 →

12 →

www.farmet.cz

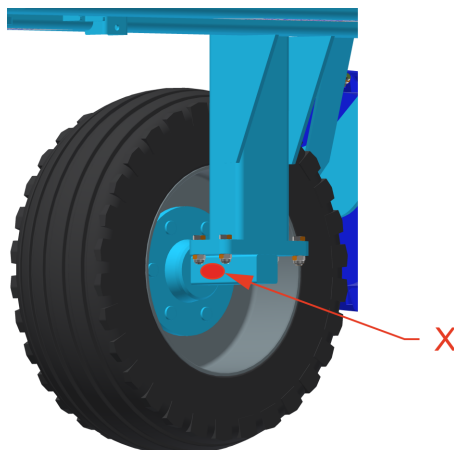
Self adhesive statutory plate 70x140

<b>FARMET a.s.</b> <b>S2a</b> e8*167/xxxxxxxxxx FARxxxxxxxxxxxxxx  <b>1580 kg</b> A-0: 0 kg A-1: 0 kg A-2: 0 kg A-3: 0 kg		 Jířínková 276 552 03 Česká Skalice MADE IN CZECH REPUBLIC <b>SINGLECUT SC600PS</b> <table border="1"> <tr> <td>ROK/ YEAR</td> <td>2025</td> <td>MODEL ROK/ YEAR</td> <td>2025</td> <td>CELK. HMOT/ TOTAL WEIGHT</td> <td>1580 kg</td> </tr> </table> <table border="1"> <tr> <td>kg</td> <td>T-1</td> <td>T-2</td> <td>T-3</td> </tr> <tr> <td>B-1</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>B-2</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>B-3</td> <td>---</td> <td>---</td> <td>---</td> </tr> <tr> <td>B-4</td> <td>---</td> <td>---</td> <td>---</td> </tr> </table>   		ROK/ YEAR	2025	MODEL ROK/ YEAR	2025	CELK. HMOT/ TOTAL WEIGHT	1580 kg	kg	T-1	T-2	T-3	B-1	---	---	---	B-2	---	---	---	B-3	---	---	---	B-4	---	---	---
ROK/ YEAR	2025	MODEL ROK/ YEAR	2025	CELK. HMOT/ TOTAL WEIGHT	1580 kg																								
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B-1	---	---	---																										
B-2	---	---	---																										
B-3	---	---	---																										
B-4	---	---	---																										

1	Vehicle category according to EU Nr. 167/2013
2	Approval number
3	Seventeen-digit serial number (VIN)
4	Technically permissible maximum laden mass of the vehicle
5	Maximum vertical load on the coupling point
6	Permissible load – axle 1
7	Permissible load – axle 2
8	Permissible load – axle 3
9	Technically permissible towable mass for each chassis/braking configuration for R or S category vehicle
10	Commercial name, general description and purpose
11	Total weight
12	Year of production

**AXLE IDENTIFICATION**

The factory number of the axle shaft and its typ are stamped onto the identification plate.



X - Identification plate

**IMPORTANT**

**READ CAREFULLY BEFORE USE**

**KEEP FOR FUTURE REFERENCE**



## Contents

PREFACE .....	3
1 MACHINE LIMIT PARAMETERS .....	11
1.1 Technical parameters .....	12
1.2 Safety statement .....	12
2 GENERAL INSTRUCTIONS FOR USE .....	13
3 MACHINE TRANSPORT USING TRANSPORT MEANS .....	15
4 MACHINE HANDLING USING LIFTING EQUIPMENT .....	16
5 WORK SAFETY LABELS .....	17
6 DESCRIPTION .....	19
6.1 Lighting system .....	21
7 MACHINE ASSEMBLY AT THE CUSTOMER .....	23
8 COMMISSIONING .....	24
8.1 Agregation to a tractor .....	25
8.2 Machine hydraulics .....	27
8.3 Switching to the working position .....	29
8.4 Switching to the transport position .....	31
9 MACHINE TRANSPORT ON ROADS .....	33
10 MACHINE MAINTENANCE AND REPAIRS .....	35
10.1 Using spacers .....	36
10.2 Replacement of worn roller blades .....	37
11 MAINTENANCE PLAN .....	38
12 MACHINE STORAGE .....	41
13 MACHINE LUBRICATION SCHEDULE .....	42
14 ENVIROMENTAL PROTECTION .....	43
15 MACHINE DISPOSAL AFTER SERVICE LIFE EXPIRY .....	44
16 SERVICING AND WARRANTY CONDITIONS .....	45
16.1 Servicing .....	45
16.2 Warranty .....	45





## 1 MACHINE LIMIT PARAMETERS

- The machine is designed for flattening and cutting of cover crop stands, cutting of plant residues, and optionally for partial loosening of the soil surface Any other use beyond the specified purpose is prohibited.
- Machine operation is performed by one person – the tractor operator.
- 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 8.1.

## 1.1 Technical parameters

PARAMETRY	SC600PS	SC900PS
Working width	6 m (19,68 ft)	9 m (29,85 ft)
Transport width	2,4 m (7,87 ft)	
Transport height	1,6 m (5,25 ft)	
Machine total length	4,1 m (13,45 ft)	6,8 m (22,31 ft)
Working performance	6 – 12 ha/h (14,8 – 29,65 ac/h)	9 – 18 ha/h (22,2 – 44,5 ac/h)
Towing means	75 kW (100 HP)*	90 kW (125 HP)*
Working speed	10 – 20 km/h (6,2 – 12,4 mph)	
Maximum transport speed	30 km/h (18,6 mph)	
Maximum slope grade	11 (°)	
Tyre dimensions - transport	10.0/75 – 15,3 14PR	
Tyre pressure	450 kPa (65 Psi)	
Machine weight	1 600 kg (3 527 lb)	2 500 kg (5 512 lb)

\* Recommended towing means, the real towing force may significantly vary according to the processing depth, soil conditions, land slope, working body wear and adjustment.

## 1.2 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.

## 2 GENERAL INSTRUCTIONS FOR USE

- 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.
- 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. The User bears the risk.  
Immediately remove especially the failures that may negatively affect safety!
- 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.
- 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.
- Machine operator must secure the safety of other persons when working with the machine or transporting the machine.
- During machine work in the field or during transport, the operator must control the machine from the tractor's cabin.
-  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,
-  When stepping on the machine, do not step on roller tyres or other rotary parts. Those may turn and you can cause very serious injuries by the subsequent fall.
-  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.
- The operator must have the Operating Manual with the work safety requirements available at any time when working with the machine.



- 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 operation and maintenance use:

- tight clothes
- protective gloves and goggles against dust and sharp parts of the machine




### 3 MACHINE TRANSPORT USING TRANSPORT MEANS

- 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.
- The dimensions of the transported machine including the transport means must comply with the valid regulations for road traffic (decrees, laws).
-  • The transported machine must be always fastened to the transport means so that its spontaneous loosening could not happen.
- The carrier is responsible for damage caused by the loosening of incorrectly or insufficiently fastened machine to the transport means.

## 4 MACHINE HANDLING USING LIFTING EQUIPMENT

- 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.



- Machine fastening for handling may only be performed in places designed for that and marked with self-adhesive labels showing the "chain" symbol. 
- After fastening (suspending) at designated points, it is forbidden to move in the space of possible reach of the handled machine.
- Table – approximate weights of the parts according to the type of loading:

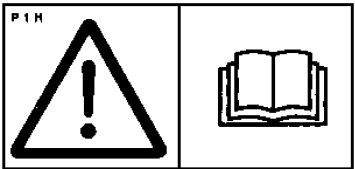

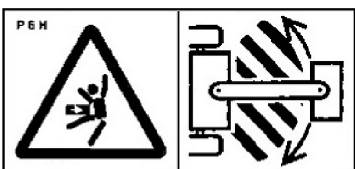
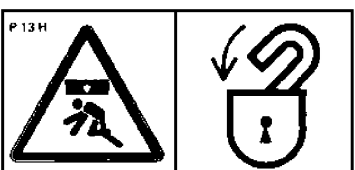
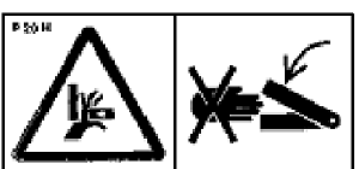
	SC600PS	SC900PS
TOW BAR	150 kg (330 lb)	170 kg (375 lb)
CENTRAL FRAME	160 kg (353 lb)	180 kg (397 lb)
SIDE FRAME	190 kg (419 lb)	350 kg (772 lb)
CENTRAL FRAME +ROLLER	460 kg (1 014 lb)	480 kg (1 058 lb)
SIDE FRAME+ROLLERS	490 kg (1 080 lb)	870 kg (1 918 lb)
CENTRAL ROLLER	300 kg (661 lb)	300 kg (661 lb)
SIDE ROLLER	300 kg (661 lb)	360 kg (794 lb)
SIDE EDGE ROLLER	-	160 kg (353 lb)
WHOLE MACHINE WITHOUT ROLLERS	690 kg (1 521 lb)	1 050 kg (2 315 lb)
WHOLE MACHINE	1 600 kg (3 527 lb)	2 500 kg (5 512 lb)

## 5 WORK SAFETY LABELS

Warning safety labels serve for operator protection.

**General:**

- Strictly observe the warning safety labels.
- All safety instructions also apply to other users.
- Upon damage or destruction of the aforementioned "SAFETY LABEL" located on the machine, the operator is obliged to replace it with a new one.
- The position, appearance, and precise meaning of work safety labels on the machine is determined in the following tables and in the figure (fig.1).

WARNING SAFETY LABEL	LABEL TEXT	MACHINE POSITION
	<p>Before handling the machine, carefully read the operating manual. Observe the instructions and safety regulations for machine operation during use.</p>	<b>P 1 H</b>
	<p>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>	<b>P 2 H</b>
	<p>Stay outside the reach of the tractor - agricultural machine set, if the tractor engine is in operation.</p>	<b>P 6 H</b>
	<p>Prior to transportation, secure the side frames from opening by the connecting rod.</p>	<b>P 13 H</b>
	<p>When folding the side frames, do not reach into the space of the machine folding joints.</p>	<b>P 20 H</b>

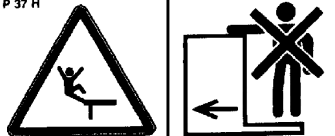

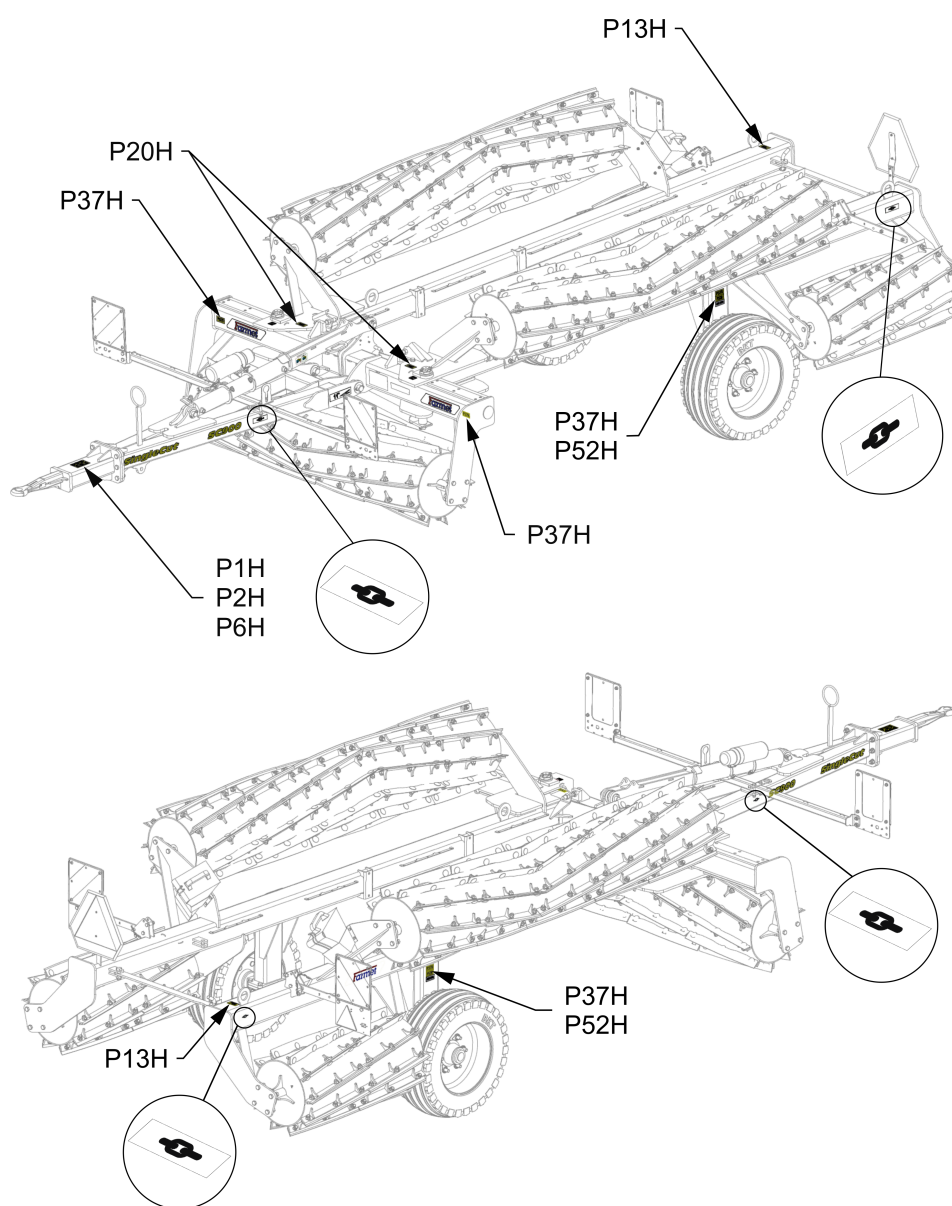
	Travelling and transport on the machine structure is strictly forbidden.	<b>P 37 H</b>
	Secure the machine against unwanted movement by positioning on its working bodies or supporting jack.	<b>P 52 H</b>

Fig. 1 - Location of safety labels on the machine



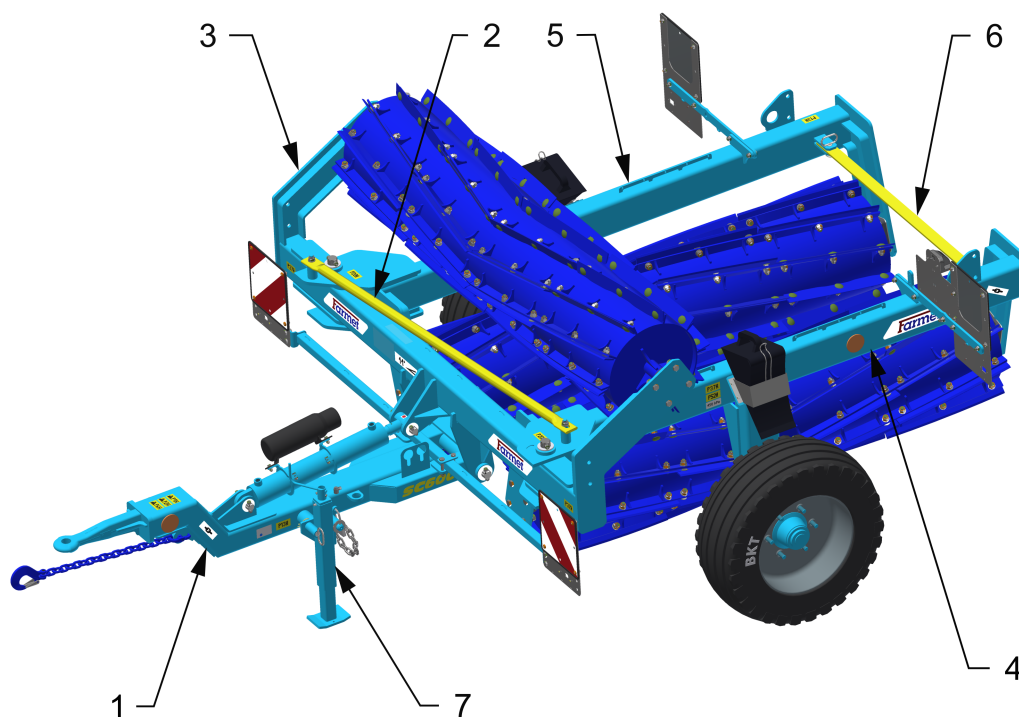


## 6 DESCRIPTION

SINGLECUT is structurally designed as towed.

M. The machine consists of a towing drawbar with an eye for attachment to the upper link hitch of a tractor or to the lower hitch, a support jack rotatably mounted on the drawbar (only on the SC600PS model), a hydraulic cylinder for switching between working and transport positions, a central frame, and side frames. The towing drawbar is rotatably connected to the central frame using a pin and hydraulic cylinder. The side frames with transport wheels are rotatably attached to the central frame using pins and a kinematic link. In the transport position, the side frames are secured against opening by a connecting rod. The working parts of the machine are cutting rollers with a diameter of Ø530 mm, which are mounted to the central and side frames using bearing housings (see Figures 2 and 3).

Fig. 2 - Main parts of the machine SC600PS



1 – tow bar

2 – kinematic rod

3 – central frame

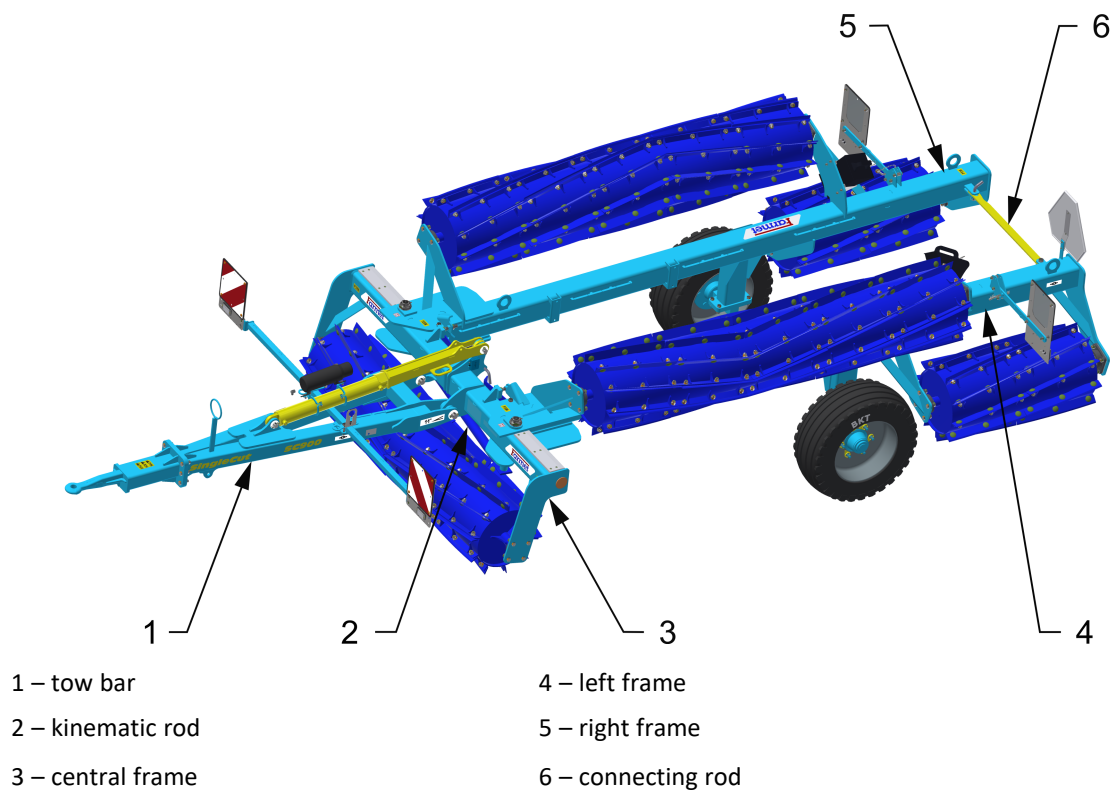
4 – left frame

5 – right frame

6 – connecting rod

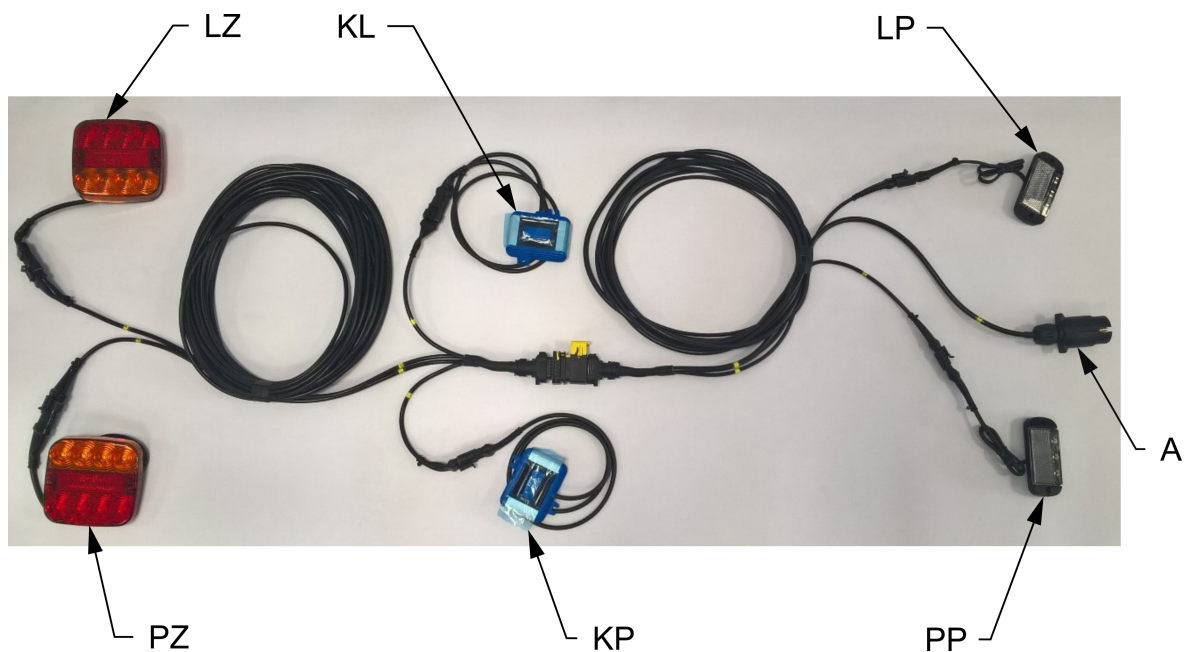
7 – support jack

Fig. 3 - Main parts of the machine SC900PS



## 6.1 Lighting system


The electrical system is designed for supply of 12 V DC.

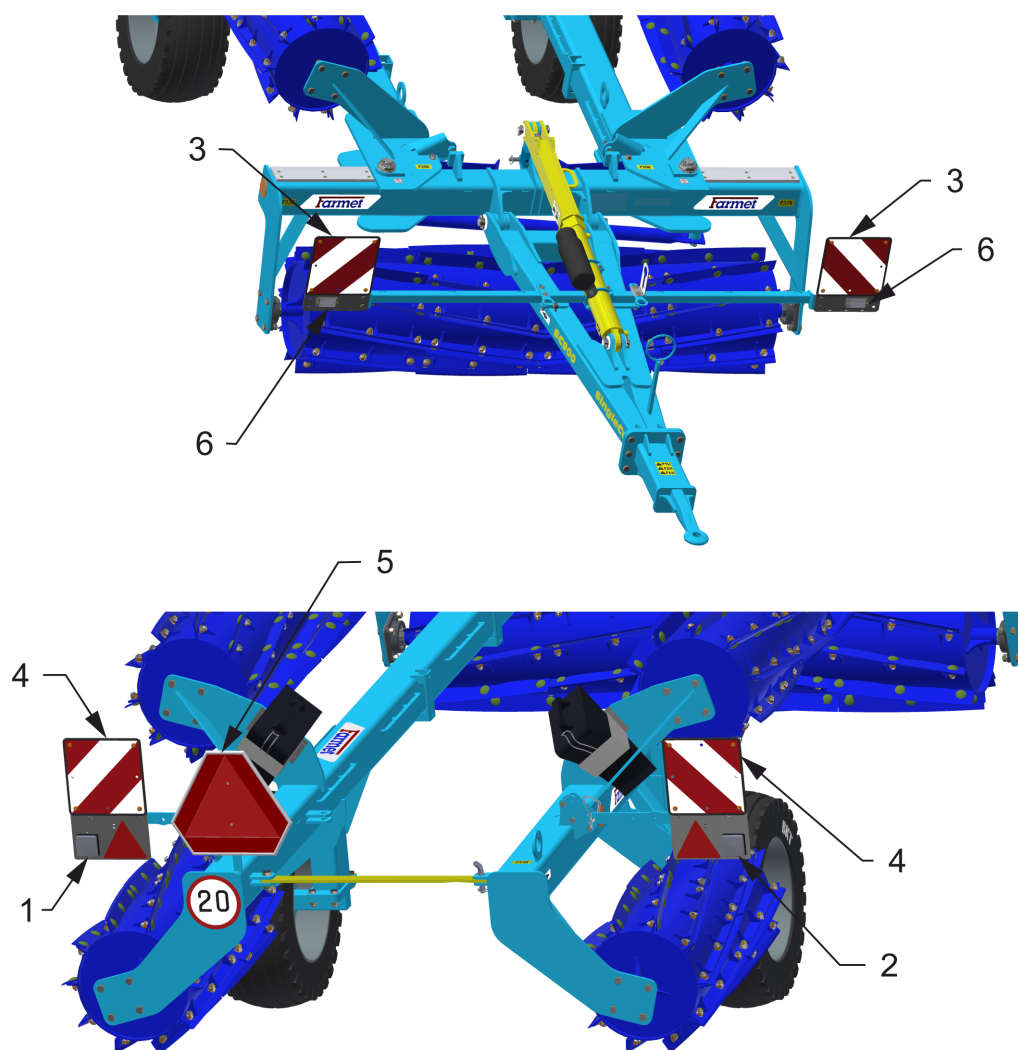


SYMBOL	NAME
A	7-pin socket (ISO 1724)
LP	Front left lamp
PP	Front right lamp
KL	Left „controller“
KP	Right „controller“
LZ	Rear left lamp
PZ	Rear right lamp

A: 7-pin socket connection markings (ISO 1724)


NO.	MARKING	FUNCTION
1	L	Left indicator
2	54G	–
3	31	Earth
4	R	Right indicator
5	58R	Rear right light
6	54	Brake light
7	58L	Rear left light





Pos.	Arrangement of electrical system components
1	Rear left lamp
2	Rear right lamp
3	Front warning board
4	Rear warning board
5	Rear warning board (EHK OSN 69). The plate is only installed in machines without EH equipment.
6	Front white lamp with reflector

## 7 MACHINE ASSEMBLY AT THE CUSTOMER

- 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 „4“.

## 8 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 1–5. 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 obliged to adhere to the technical and safety regulations of the machine determined by the producer when working.
- 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 observe the prescribed working speeds stated in the manual in Chap. 1.1.
- The operator is obliged to lower the machine to the ground and secure the set against movement before leaving the tractor cabin.

## 8.1 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 may only be connected to a tractor with the output recommended by the producer.
- The machine operator must observe all generally valid regulations of work safety, health protection, fire safety, and environmental protection.
- The operator may only connect the machine to a tractor equipped with a rear multistage suspension linking.
- As additional load to the tractor (counterweight) only the weights prescribed by the manufacturer should be used.
- The table of requirements for the towing means for work with the machine:

Requirement for the tractor engine power for the machine <b>SC600PS</b>		<b>75 kW (100 HP)</b>
Requirement for the tractor engine power for the machine <b>SC900PS</b>		<b>90 kW (120 HP)</b>
Tractor suspension requirements	The upper suspension hole and the shaft eye diameter	<b>Ø40 mm (1,57 in)</b>
	Permitted height of the upper suspension above the tractor's travelling level	<b>550 - 750 mm (21,6-29,5 in)</b>
	Ø dof of the hole in the lower hitch of the drawbar eye (according to the configuration)	Ø40 mm (1,57 in) Ø51 mm (2 in) Ø71 mm (2,8 in)
Tractor hydraulic system requirements	Folding circuit	<b>The minimum pressure in the circuit: 125 bar (1813 Psi), the maximum pressure in the circuit: 200 bar (2900 Psi), two ISO 12.5 quick coupler sockets</b>

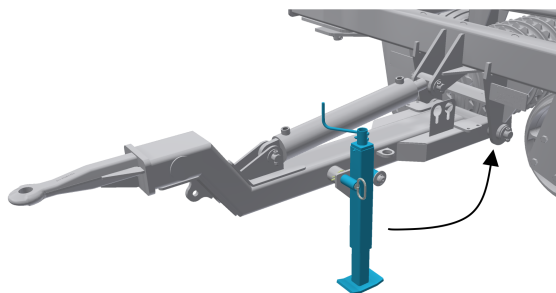
- The aggregated machine must be mechanically secured against movement ⇒ The tires of the connected machine must be secured by wedges.
- Connect the machine to the upper level suspension or to the hook of the lower suspension of the tractor.
- Set the machine rod SC600PS height using a jack so that it is identical to the tractor suspension height.
- Connect the hydraulic assembly of the machine to the hydraulic circuit of the tractor. For the connection of the hydraulic system of the machine to the tractor, use the machine plug into the tractor sockets of the same type of quick couplings.
- Put the machine quick coupling for machine turning over into the working position **PLUG WITH WHITE DUST CAP** into the upper socket of the tractor circuit.
- Put the machine quick coupling for machine turning over into the transport position **PLUG WITH BLUE DUST CAP** into the lower socket of the tractor circuit.
- Set the machine rod **SC900PS** height using a hydraulic so that it is identical to the tractor suspension height.
- When the SC600PS machine is connected with the upper stage tractor hitch, turn the jack into „POSITION 2“ (see fig. 4).



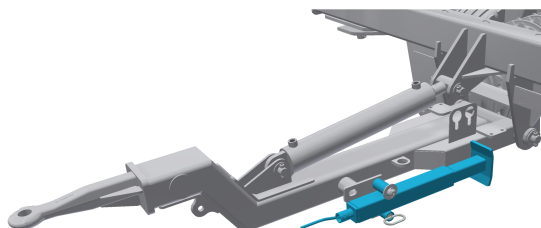
**When connecting, no persons may stay in the space between the tractor and the machine.**

Fig. 4 - Jack positions at SC600PS

Position 1



Position 2



### 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

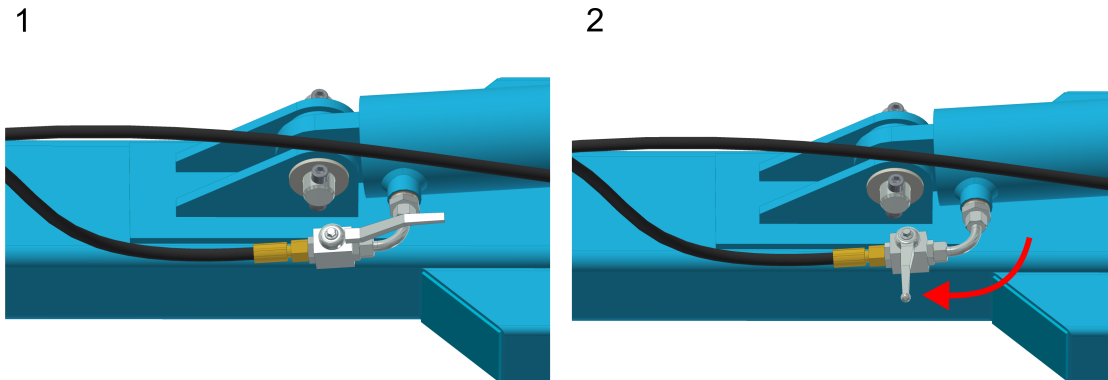
SPERRY VICKERS/EATON M2950S,I-280-S SAUER SUNDSTRAND(DANFOSS) Hydro Static Trans fluid; CASE CNH MAT 3540(CVT), Claas(CVT), AGCO CVT; ML200, Valtra G2-10(XT-60+)



## 8.2 Machine hydraulics

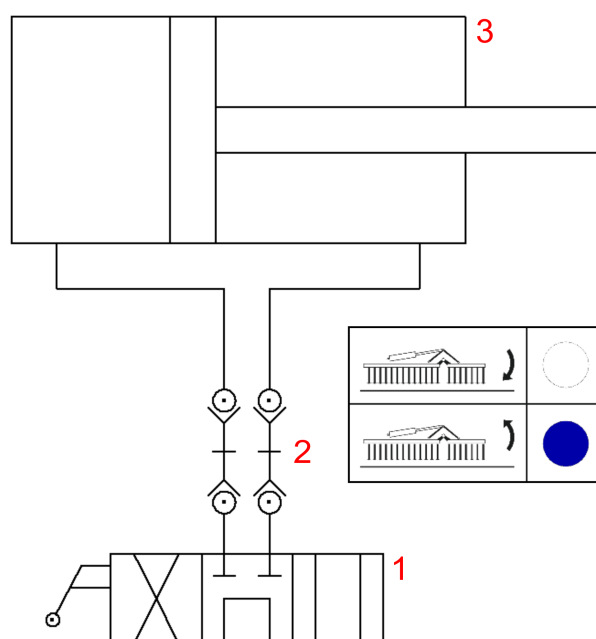
- Connect the hydraulics only when the hydraulic circuits of the machine and the tractor (aggregate) are in a pressure-less condition.
- The hydraulic system is under high pressure. Regularly check for leaks and immediately remove obvious damage of all lines, hoses, and pipe unions.
- When seeking and 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. Perform the connection of the quick-couplers of the machine to the hydraulic circuits of the tractor so that the folding of the side frames **BLUE and WHITE DUST CAP** is on one control circuit.
- Open the ball valve securing the transport position, i.e. the pole height against the horizontal position of the machine during the transport. (see fig. 5) (Only for the machine SC900PS)
- Prior to opening the ball valve, make sure that the piston rod is free of pressure.

Fig. 5 - Machine unfolding piston rod ball valve



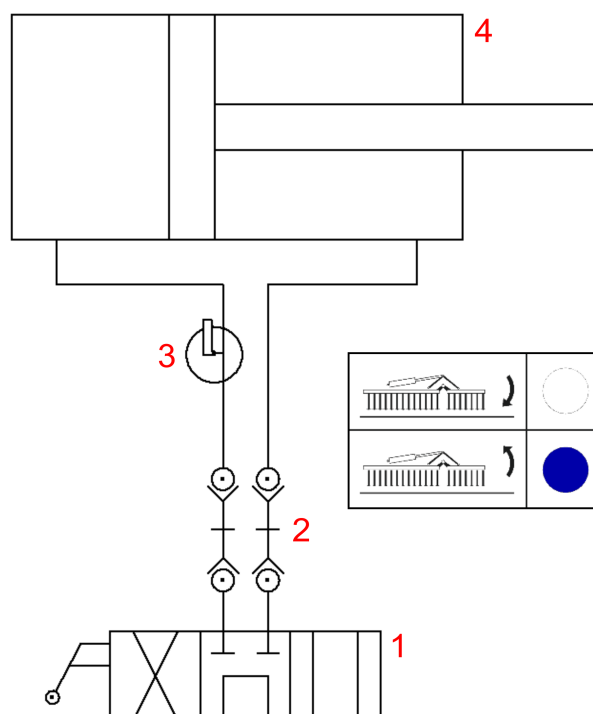
- 1 – open  
2 – close

Hydraulic diagram SC600PS



- 1 – Tractor control distribution box
- 2 – Hydraulic quick-coupling devices
- 3 – Hydraulic folding control cylinder

Hydraulic diagram SC900PS



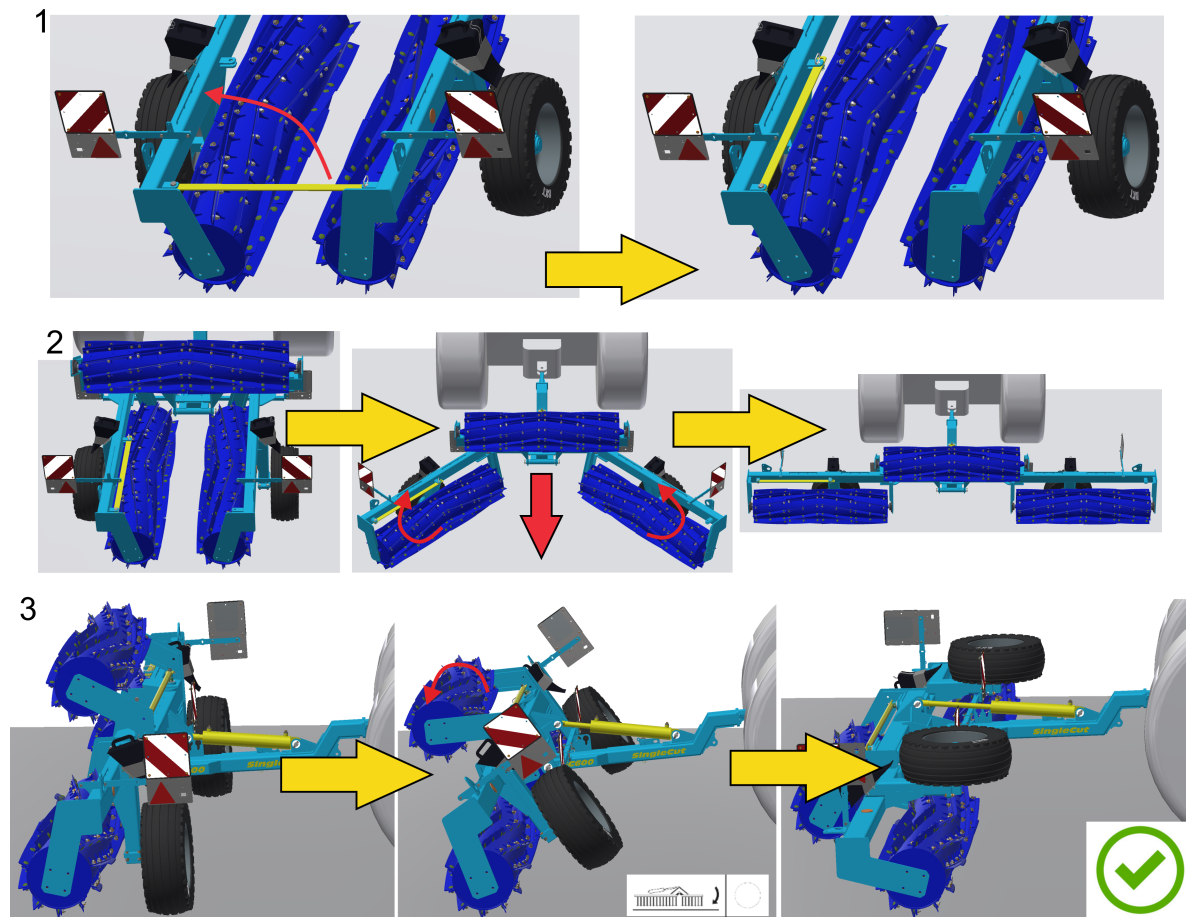
- 1 – Tractor control distribution box
- 2 – Hydraulic quick-coupling devices
- 3 – Shut-off ball valve
- 4 – Hydraulic folding control cylinder

### 8.3 Switching to the working position

#### SC600PS

- 1 – Flip the connecting rod to the WORKING POSITION.
- 2 – While observing the safety regulations, start reversing the machine until the side frames unfold completely.
- 3 – Using the hydraulic circuit levers, turn the machine over to the working position.

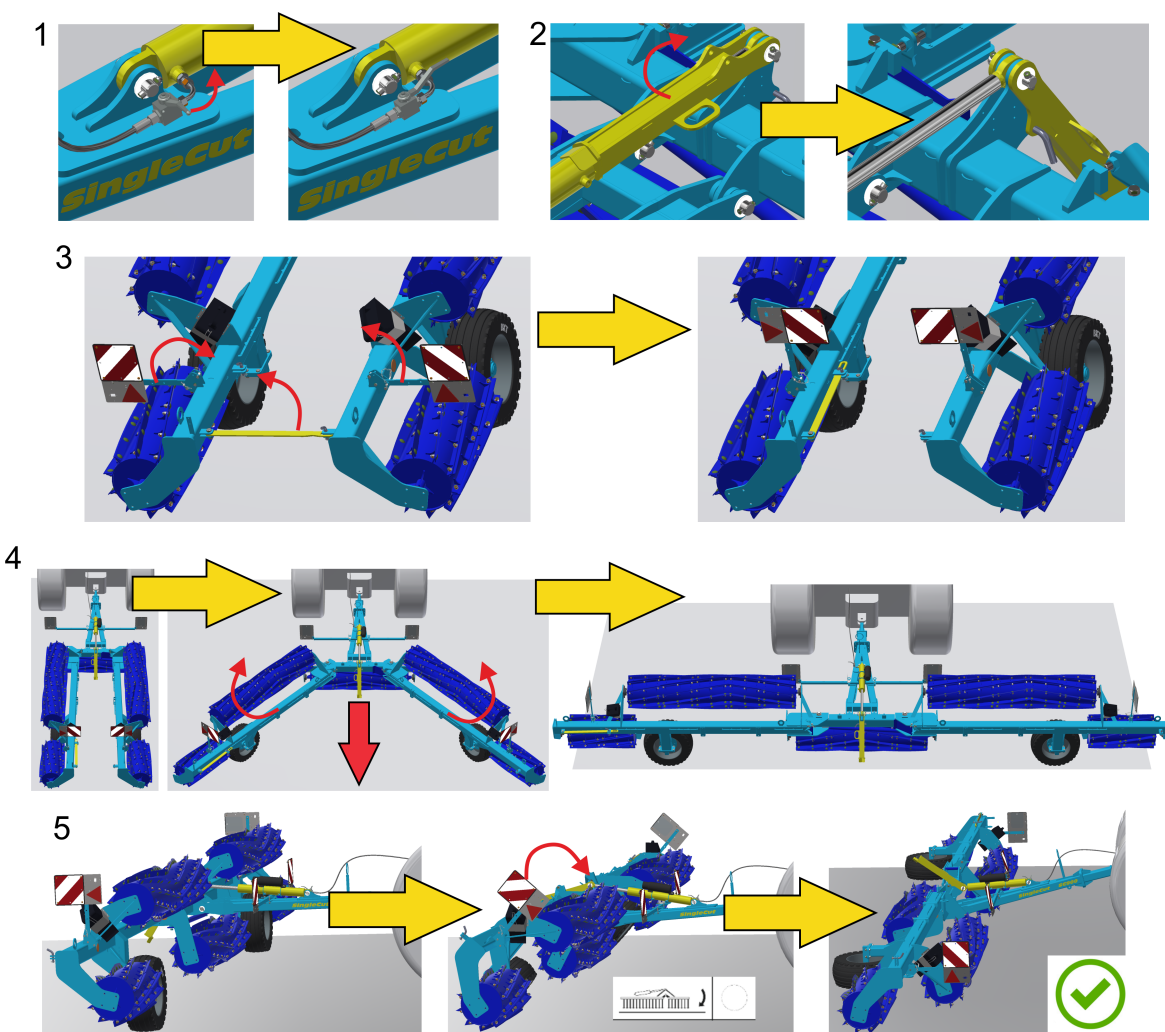
It is forbidden to put the machine into the working position on a hillside.



**SC900PS**

- 1 – Open the ball valve securing the transport position.
- 2 – Flip the brace to the working position.
- 3 – Flip the connecting rod to the WORKING POSITION. Flip the rear traffic paddles to the working position.
- 4 – While observing the safety regulations, start reversing the machine until the side frames unfold completely.
- 5 – Using the hydraulic circuit levers, turn the machine over to the working position. Switch the hydraulic circuit to the floating position.

It is forbidden to put the machine into the working position on a hillside.



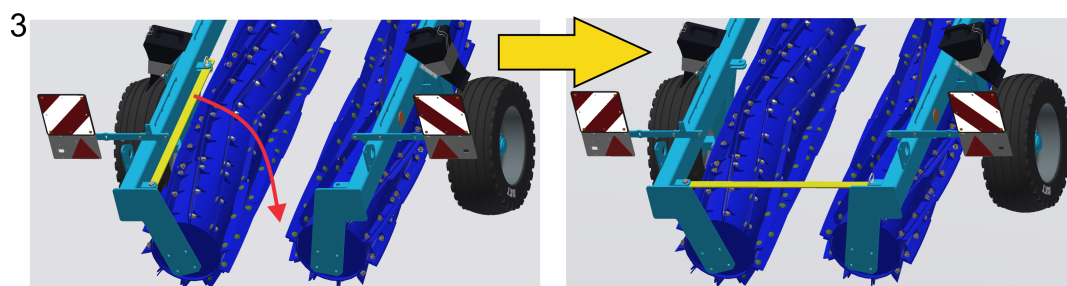
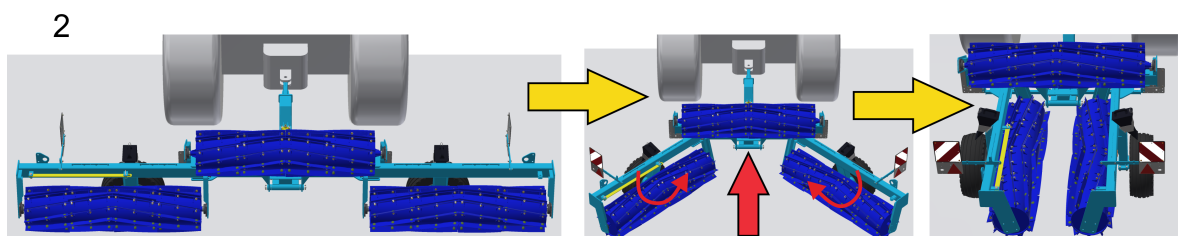
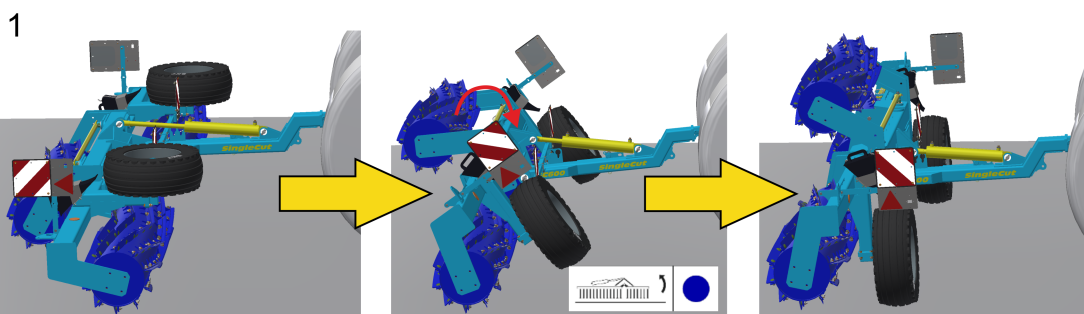
## 8.4 Switching to the transport position

- Clean the machine from raw pollutants.
- It is strictly forbidden to dismantle the parts of the machine hydraulic system that are under pressure.
- Hydraulic oil that penetrates the skin under high pressure causes serious injuries. Should this happens, call the doctor immediately.

**⚠ In order to prevent accidental or foreign person (children, passengers) caused movement of the hydraulics, the control switchboards on the tractor must be secured or blocked in the transport position.**

### SC600PS

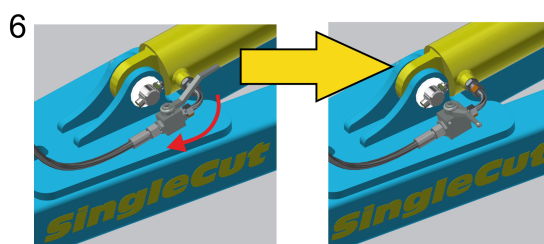
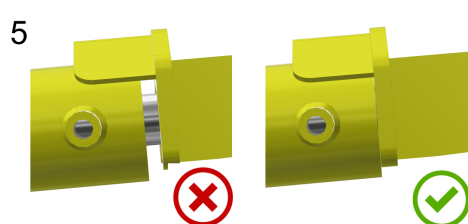
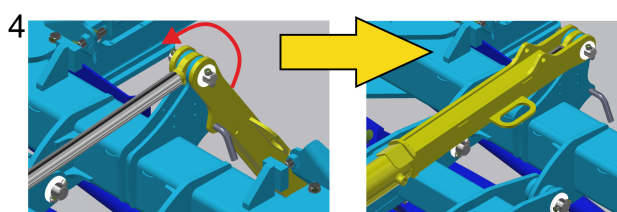
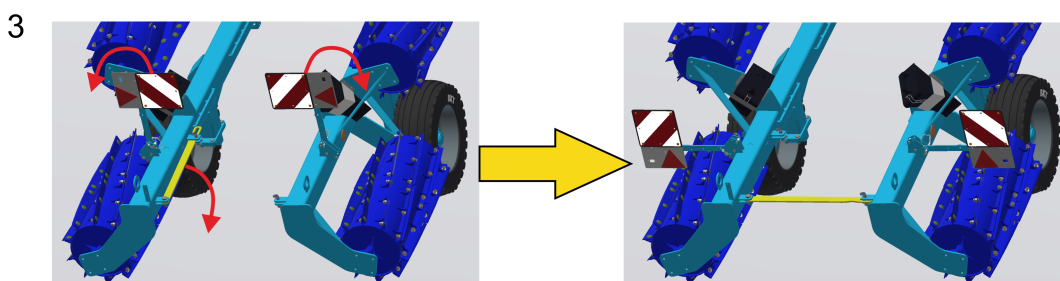
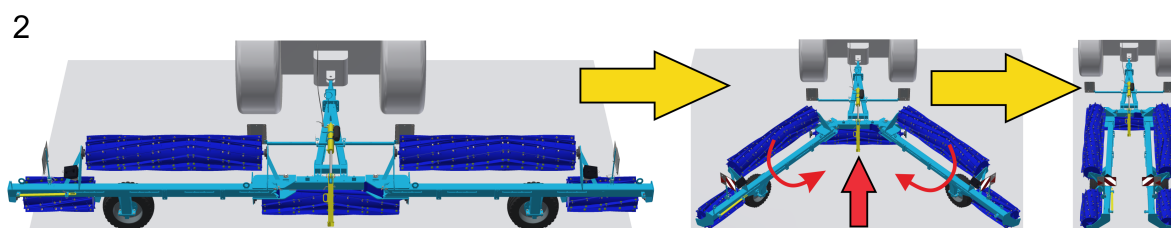
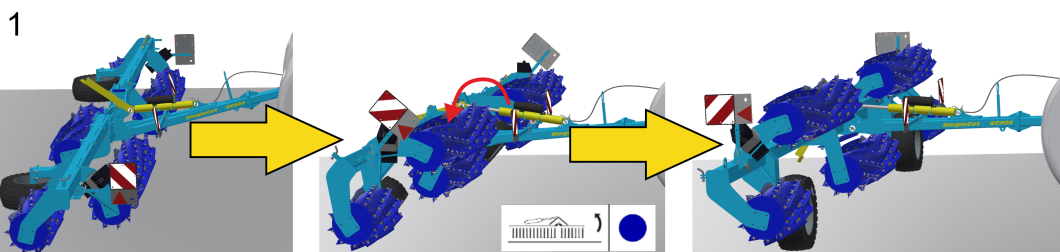
- 1 – Turn the machine over on the travelling wheels using the control levers of the tractor hydraulic circuit.
- 2 – While observing the safety regulations, start driving the machine forward until the side frames fold completely.
- 3 – Flip the connecting rod of the side frames to the TRANSPORT POSITION.



**SC900PS**

- 1 – Turn the machine over on the travelling wheels using the control levers of the tractor hydraulic circuit.
- 2 – While observing the safety regulations, start driving the machine forward until the side frames fold completely.
- 3 – Flip the connecting rod of the side frames to the TRANSPORT POSITION. Flit the rear traffic paddles to the transport position.
- 4 – Flip the piston-rod brace to the transport position.
- 5 – Using the hydraulic circuit, lean the face of the piston-rod against the brace.
- 6 – Close the ball valve securing the transport position.

It is forbidden to put the machine into the working position on a hillside.



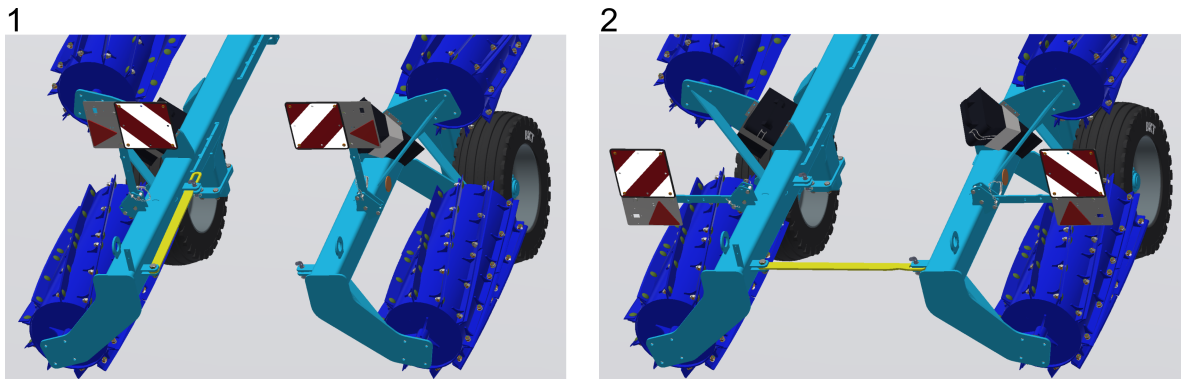
## 9 MACHINE TRANSPORT ON ROADS

- The ball valve securing the transport position, i.e. the pole height against the horizontal position of the machine, must be closed during the transportation (see fig. 5). (Only concerns machine SC900PS)
- The connecting rod securing the position of side frames must be secured.
- The machine must be equipped with shields with marking of contours, functional lighting, and the board of the rear marking for slow vehicles (according to ECE No. 69). The plate is only installed in machines without EH equipment.
- The lighting must be activated during travelling on roads.
- The tractor must be equipped with a special light device of an orange colour, which must be activated during travelling on roads.
- Maximum transport speed on roads with EH **30 km/hod (18,6 mph)** , otherwise **20 kph (12,4 mph)**.
- 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.
- The operator is obliged to pay increased attention during transport on roads, due to the transport dimensions of the machine.



**Ban of transport with decreased visibility!**

Fig. 6 - Connecting rod for side frames



- 1 – released  
2 – secured

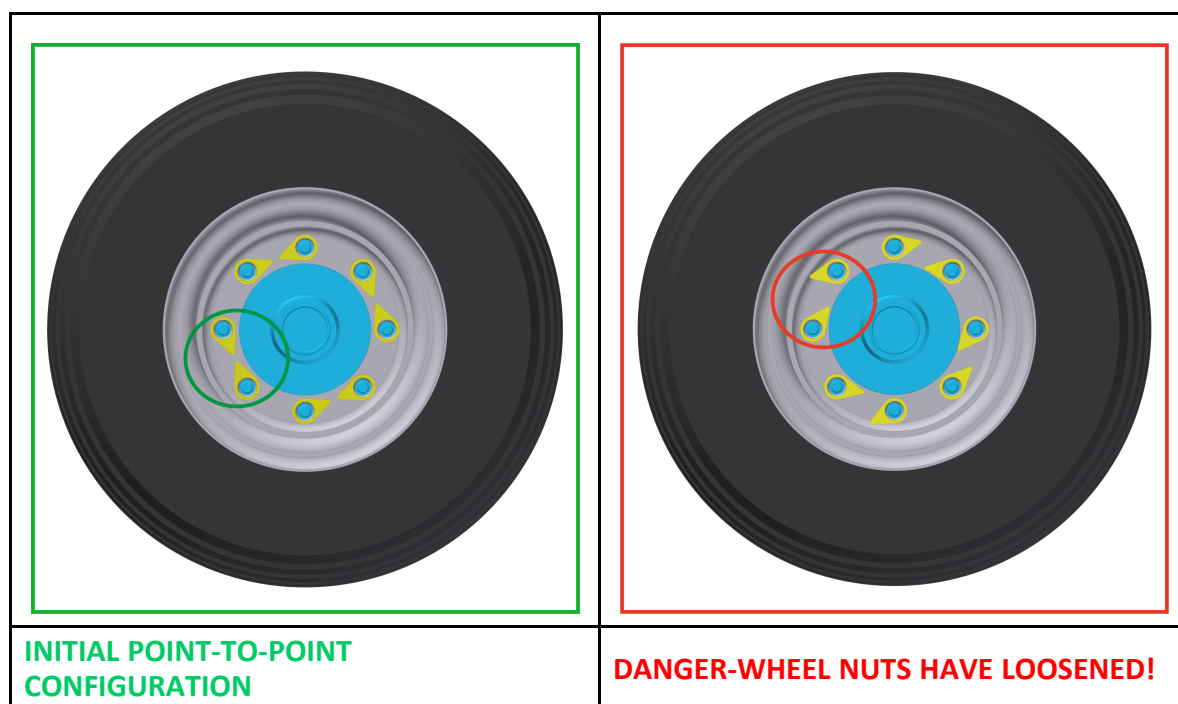


## Checking the nuts on the transport axle

- 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 - 265 Nm
- M20x1,5 - 343 Nm
- M22x1,5 - 440 Nm






## 10 MACHINE MAINTENANCE AND REPAIRS



**Observe the safety instructions for treatment and maintenance.**

- If it is necessary to weld during the repair and have the machine connected to the tractor, it must have disconnected supply cables from the alternator and the accumulator.
- Check the tightening of all screw and other assembly connections at the machine before every use of the machine, furthermore continuously as needed.
- Continuously check the wear of the working bodies of the machine, possibly replace these worn working bodies with new ones.
- Adjustment, cleaning, and lubrication of the machine may only be performed with the machine at rest (i.e. the machine is standing and not working).
- When working on a lifted machine, use suitable support equipment supported at marked points or at points suitable for that.
- During adjustment, cleaning, maintenance, and repair of the machine, you must secure those parts of the machine that could endanger the operator by falling or another movement.
- For catching the machine during handling using lifting equipment, use only the places marked with self-adhesive labels with the chain sign .
- Upon a failure or damage of the machine, immediately turn off the tractor's engine and secure against restarting, secure the machine against movement ⇒ only then you can remove the failure.
- When repairing hydraulic circuits, the machine must be secured against movement and unfolded, or resting on the front roller (SC900PS), or resting on the hoisting jack leg (SC600PS).
- During repairs of the machine, use exclusively the genuine spare parts, suitable tools and protective equipment.
- Check tire pressure and tire condition regularly. Tire repairs and replacements should be made in a specialized workshop.
- Keep the machine clean.

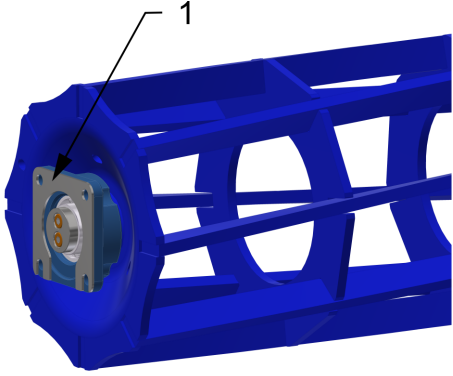
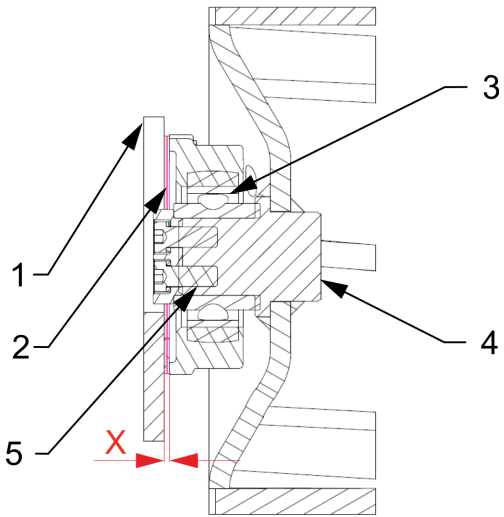


**Do not clean bearings and hydraulic rollers with a high-pressure cleaner or direct water stream. The seals and bearings are not watertight at high pressure.**

## 10.1 Using spacers

The spacers are used for defining production tolerances. Therefore, they do not have to be always used.

- 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

	
<p>1 – Spacers</p>	<p>1 – Side plates  2 – Spacers  3 – House bearing  4 – Pin cylinder  5 – Bolt  <b>Parameter "X" = is there a gap?</b>  YES = Use spacers  NO = Do not use spacers</p>

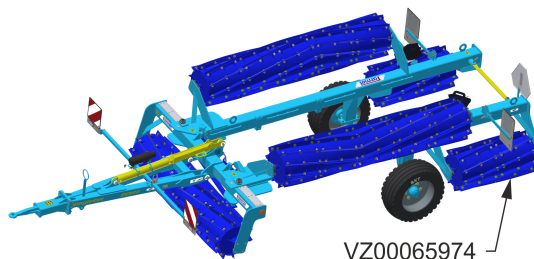
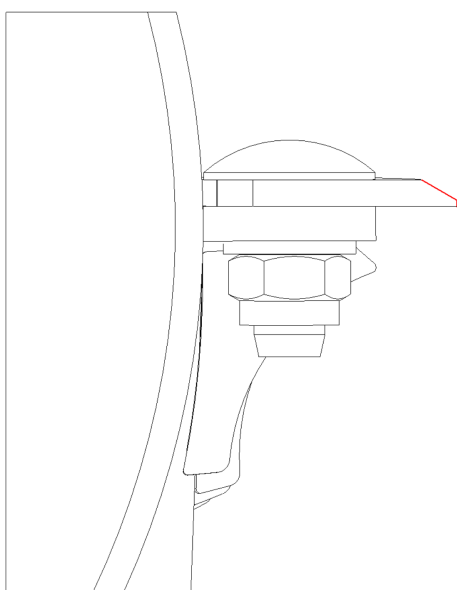
## 10.2 Replacement of worn roller blades

- 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.
- Rotate the roller so that the damaged blade is accessible for replacement.
- If a large number of blades need to be replaced, remove the roller from the machine and carry out the replacement in a workshop

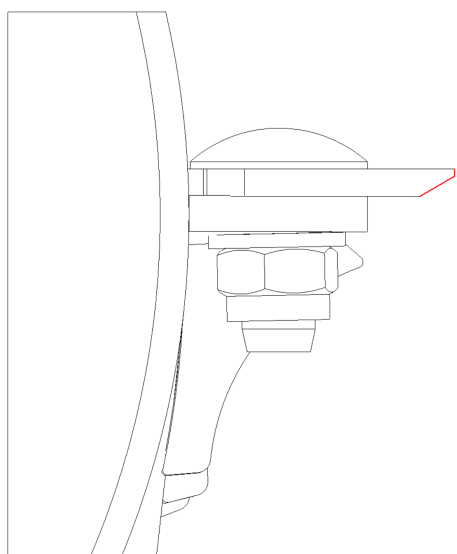


- Maintain the blade orientation on the roller! Not all rollers are the same!




**ONLY ROLLER VZ00065974 (ONLY SC900PS)**




**OTHER ROLLERS (SC900PS+SC600PS)**



## 11 MAINTENANCE PLAN

MAINTENANCE PLAN					
Perform the planned maintenance according to the instructions:					
Maintenance Task	Daily (season)	Once a week	Before season	After season	Time interval
Machine in general					
<ul style="list-style-type: none"> <li>Visual inspection of the machine</li> <li>Checking for any undesirable sounds, vibrations and excessive wear</li> </ul>	X				
<ul style="list-style-type: none"> <li>Checking crucial nodes: pins, bearings, rollers, working parts</li> </ul>	X		X	X	
<ul style="list-style-type: none"> <li>Machine cleaning</li> <li>Storing the machine under roof, if possible</li> <li>Recording the mileage of the machine/season (ha)</li> </ul>		X		X	
<ul style="list-style-type: none"> <li>Comprehensive inspection</li> <li>Checking the frame</li> </ul>	X			X	
<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> 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. </div> </div>					
Hydraulic system					
Checking the function, tightness, mounting and worn spots of all hydraulic parts and hoses		X	X		
<b>Hydraulic hoses – replacement:</b> <ul style="list-style-type: none"> <li>Damaged external casing of the hose (mechanically or blistered)</li> <li>Fluid seepage (especially the end piece)</li> <li>Bumps or blisters on the hose</li> <li>Deformed or corroded end piece</li> <li>Loose end piece – the hose spins</li> </ul>	X			X	
<b>Hydraulic hoses - replacement:</b> <ul style="list-style-type: none"> <li>Expired service life of the hose</li> </ul> <div style="display: flex; align-items: center;">   </div>					6 years
<b>!!! 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.</b>					

MAINTENANCE PLAN					
Perform the planned maintenance according to the instructions:					
Maintenance Task	Daily (season)	Once a week	Before season	After season	Time interval
Bolt connections					
<b>Visual</b> inspection of bolt and hydraulic joints, tighten any loose joints using a corresponding torque (see the torque chart)	X			X	
<b>Towing lug</b> – check, tighten if needed M 16 – 10.9. – 300 Nm M 20 – 10.9. – 560 Nm 		X	X		
<b>Wheels – tighten all wheel nuts</b> <ul style="list-style-type: none"> <li>First time: after 10 hours of operation</li> <li>Wheel replacement: after 10 hours of operation</li> </ul> M 18 x 1,5 – 300 Nm M 20 x 1,5 – 400 Nm M 22 x 1,5 – 500 Nm		X	X		
Checking the tyre pressure					
Transport axle	19.0/45-17 144 A8 Pressure 280 kPa	X		X	
	19.0/45-17 148 A8 Pressure 330 kPa				
	19.0/45-17 152 A8 Pressure 390 kPa				
	19.0/45-17 157 A8 Pressure 475 kPa				
<b>Transport axle bearings</b> – check and adjust allowance if needed (in the workshop)	Daily (season)			X	

<b>MAINTENANCE PLAN</b>					
<b>Perform the planned maintenance according to the instructions:</b>					
Maintenance Task	Daily (season)	Once a week	Before season	After season	Time interval
<b>Electric cables</b>					
Check for any damage, replace if needed		<b>X</b>	<b>X</b>		
<b>Safety measures</b>					
<b>Lighting and safety hatched boards</b> – check the condition, function and cleanliness	<b>X</b>		<b>X</b>		
<b>Hazard and safety labels</b> – check that they are installed and legible	<b>X</b>	<b>X</b>			
<b>Machine lubrication plan</b>					
<b>Drawbar joint / lifting loop</b> – grease	<b>X</b>			<b>X</b>	
<b>Axle bearings</b> – grease with Lithium content – check, refill if needed				<b>X</b>	
<b>After season</b>					
<b>Entire machine</b> <ul style="list-style-type: none"> <li>• Treat and clean the machine; do not spray oil or similar agents on the plastic parts</li> <li>• Spray the piston-rods of the hydraulic cylinders with suitable anti-corrosion agents</li> <li>• Check the tightness of all bolt and plug-in connections (see the torque chart)</li> <li>• Check for any damage of the electric cables and replace if needed</li> <li>• Secure the machine against movement by Scotch blocks.</li> </ul>					
<b>!!! 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.</b>					

## 12 MACHINE STORAGE

### Long-term machine shutdown:

- Store the machine under a roof if possible.
- Store the machine on a flat and solid surface with sufficient load capacity.
- Clean the machine before storing and conserve so that it is not damaged in any way during storage. Pay special attention to all marked lubrication points and properly lubricate them according to the lubrication plan.



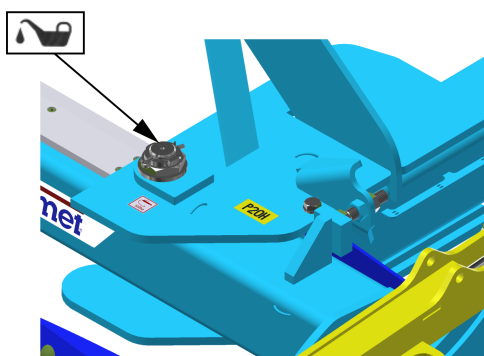
**Secure the machine against access of unauthorized persons.**

## 13 MACHINE LUBRICATION SCHEDULE

- During machine maintenance and its lubrication, it is necessary to observe the safety regulations.

LUBRICATION POINT		INTERVAL	LUBRICANT
Pivots (only CV500/9m)	Fig. 7	Daily, always before the work with the machine. Always after the end of works during machine storing. Always before storing the machine (for a period, when the machine will be stored without work).	Plastic grease KP2P-20 Likx according to DIN 51 502

Fig. 7 - Pivots lubrication



### Lubricant handling :

- Protect yourselves against direct contact with oils by using gloves or protective creams.
- Thoroughly wash oil spots on the skin using warm water and soap.
- Do not clean the skin with petrol, engine diesel fuel or other solvents.
- Oil is poisonous. If you swallowed the oil, immediately seek a physician.
- Protect the lubricants against children.



## 14 ENVIROMENTAL PROTECTION

- Regularly check the tightness of the hydraulic system.
- Preventively replace or repair hydraulic hoses, possibly further parts of the hydraulic system showing signs of damage, before oil leaks occur.
- Check the condition of hydraulic hoses and perform their timely replacement. The service life of hydraulic hoses includes the time, when they were stored.
- Handle oils and greases according to valid waste laws and regulations.

## 15 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.

## 16 SERVICING AND WARRANTY CONDITIONS

### 16.1 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.

### 16.2 Warranty



- 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.
- 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.
- 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.).
- 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.
- 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.
- 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 3).
- 7.** The warranty is conditional upon the use of original spare parts supplied by the manufacturer.

2025/003/01

☒ **ES PROHLÁŠENÍ O SHODĚ**  
☐ **CE CERTIFICATE OF CONFORMITY**  
☐ **EG-KONFORMITÄTSERKLÄRUNG**  
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☐ **СЕРТИФИКАТ СООТВЕТСТВИЯ ЕС**  
☐ **DEKLARACJA ZGODNOŚCI WE**

1. ☒ My ☐ We ☐ Wir ☐ Nous ☐ Мы ☐ My: **Farmet a.s.**  
 Jiřínková 276  
 552 03 Česká Skalice  
 Czech Republic  
 DIČ: CZ46504931  
 Phone: +420 491 450 111

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2. ☒ Strojní zařízení: - název : **Řezací válce**  
☐ Machine: - name : **Cutting rollers**  
☐ Fabrikat: - Bezeichnung : **Schneidwalzen**  
☐ Machinerie: - dénomination : **Rouleaux de coupe**  
☐ Сельскохозяйственная машина: - наименование : **Режущие катки**  
☐ Urządzenie maszynowe: - nazwa : **Wały tnące**
- typ, type : **SINGLECUT-PS**  
 - model, modèle : **SC 600 | 900 PS**  
 - PIN/VIN :
- ☒ výrobní číslo :   
 - ☐ serial number   
 - ☐ Fabriknummer  
 - ☐ n° de production  
 - ☐ заводской номер  
 - ☐ numer produkcyjny

3. ☒ Příslušná nařízení vlády: č.176/2008 Sb. (směrnice 2006/42/ES). ☐ Applicable Governmental Decrees and Orders: No.176/2008 Sb. (Directive 2006/42/CE). ☐ Einschlägige Regierungsverordnungen (NV): Nr.176/2008 Slg. (Richtlinie 2006/42/EG). ☐ Décrets respectifs du gouvernement: n°.176/2008 du Code (directive 2006/42/CE). ☐ Соответствующие постановления правительства: № 176/2008 Сб. (инструкция 2006/42/ЕС). ☐ Odpowiednie rozporządzenia rządowe: nr 176/2008 Dz.U. (Dyrektywa 2006/42/WE).

4. ☒ Normy s nimiž byla posouzena shoda: ☐ Standards used for consideration of conformity: ☐ Das Produkt wurde gefertigt in Übereinstimmung mit folgenden Normen: ☐ Normes avec lesquelles la conformité a été évaluée: ☐ Normy, на основании которых производилась сертификация: ☐ Normy, według których została przeprowadzona ocena: ČSN EN ISO 12100, ČSN EN ISO 4254-1.

☒ Schválil ☐ Approve by  
☐ Bewilligen ☐ Approuvé  
☐ Утвердил ☐ Uchwalif

date: 01.06.2025

**Ing. Petr Lukášek**  
 Technical director



V České Skalici

date: 01.06.2025

**Ing. Tomáš Smola**  
 Director of the Agricultural Technology Division

