

# VARIO 121

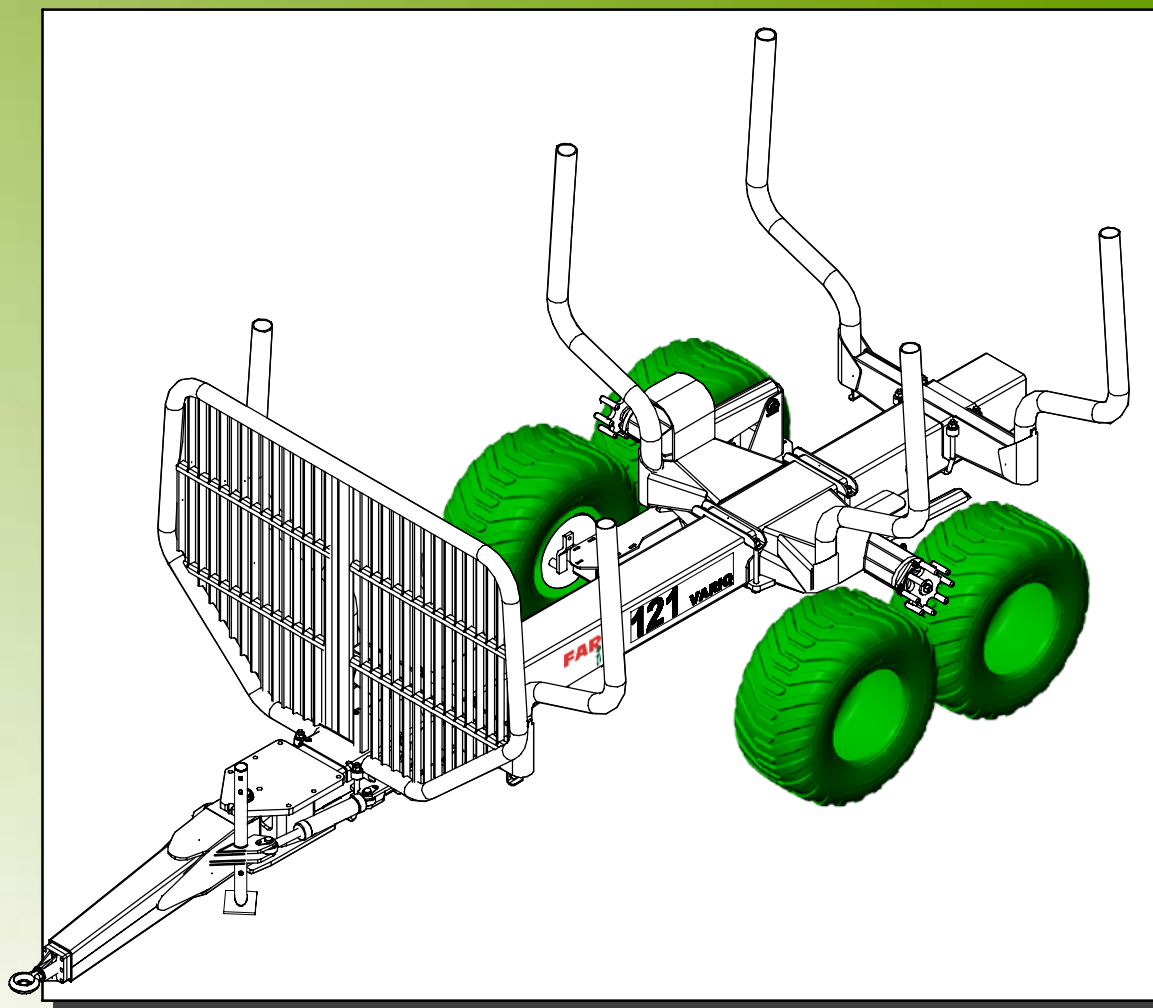
OPERATING, MAINTENANCE AND SPARE PARTS MANUAL

# FARMI

## FOREST TRAILER

# VARIO 121

Serial number: 4071 001



IT IS VERY IMPORTANT TO READ THIS INSTRUCTION MANUAL  
THOROUGHLY BEFORE USING THE MACHINE.

**Farmi Forest Corporation**

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# VARIO 121

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## WARNING SYMBOLS IN THIS MANUAL

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Imminent danger which could cause serious personal injury or death.



Danger which could cause personal injury.



Conditions or misuse that could damage equipment or machinery.

### NOTE!

Reminders, such as for performing checks or carrying out maintenance or repair procedures.

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## INTRODUCTION

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This manual includes the information and maintenance instructions required for operating the machine in the optimal manner.

Although you have experience in using this kind of machinery, read the operation and maintenance instructions carefully since they include information enabling efficient and safe operation. Regular maintenance is the best way to guarantee the efficient and economical performance of the machine.



**Each and every operator must read, understand, and follow all safety instructions and procedures.**

### CUSTOMER FEEDBACK

We are happy to receive your opinions and suggestions for improvements by mail, fax or e-mail. All implemented suggestions for improvements will be rewarded.

**GUARANTEE OF MACHINE CONFORMANCE  
TO EU REQUIREMENTS**

Farmi Forest Corporation  
Ahmolantie 6, FIN-74510 IISALMI, Finland

Informs that the machine, launched on to the market,

**Forest trailer**

*(make)*

**Vario 121**

*(type)*

*(serial number)*

conforms to Directives 98/37/EC, 89/366/EC to the amendments related to it as well as to the national statutes which bring them into force.

The following unified standards have been applied to the design of the machine:

**SFS EN ISO 12100**

The following national standards and specifications have been applied to the design of the machine:

**SFS EN ISO 12999**

**Iisalmi, Finland**

*(place)*

**28.04.2006**

*(date)*



*Juha Hallivuori*

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# VARIO 121

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# VARIO 121

These safety instructions are intended for both the owner of a FARMI machine and the persons who operate, service and repair the machine or equipment.

**The instructions help you to:**

- **familiarize yourself with the safe operation of the machine.**
- **operate the machine safely in order to avoid any damage.**
- **use the machine appropriately and productively.**
- **notice, avoid and prevent possible dangerous situations.**

These instructions have been provided by the manufacturer. The instructions must be kept in a special place reserved for them in the machine and they must always be available at the work site.

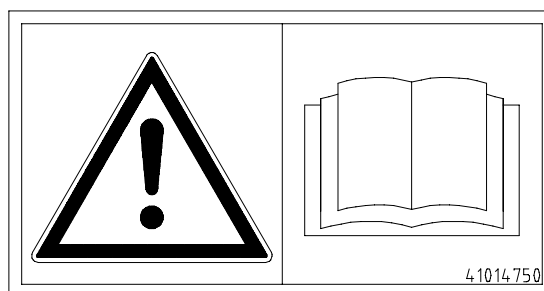
All operators are obliged to familiarize themselves with the safety and operating instructions of the equipment and apply them in practice.

The machine is in accordance with the technical requirements and the existing and necessary safety regulations. Despite this, faulty operation, service and repair may cause danger.

The requirement for all operation is that the operator is familiar with the operating instructions and follows them. It is therefore recommended that the instructions are read through several times and that the operator becomes familiar with the machine before it is taken into use.

In addition to the operating instructions, the operator must remember to act in accordance with the regulations of the local labour protection authorities, and the laws and statutes of the user country.

Using the equipment for any other task than for which it has been designed or to exceed its operating capacity is considered inappropriate usage. Any other kind of use of the equipment or machine is not acceptable. The manufacturer/ supplier does not assume liability for a damage resulting from such usage.



# VARIO 121

## 1. GENERAL SAFETY INSTRUCTIONS



Make sure that everyone who uses the machine is familiar with the manual, the contents of the safety instructions applying to each case and that he has been trained appropriately before taking the machine into use.

- Familiarize yourself with the capacity and limitations of the machine and equipment and the most effective operating technique.
- Familiarize yourself with the use and operation of the machine in detail before taking it into use.
- Familiarize yourself with the danger areas of the machine and prevent people from entering these areas.
- Do not walk or stand in the immediate vicinity of the machine, when it is in operation. During operation, prevent all unauthorized people from entering the working area.
- Make sure that all operators are provided with the necessary safety equipment such as a helmet, safety glasses, boots and the necessary safety clothing. Make sure that the equipment is operated in accordance with the regulations of the Labour Protection Law.
- Oblige the personnel to use additional safety equipment (helmet, safety boots, safety glasses, gloves) as necessary.

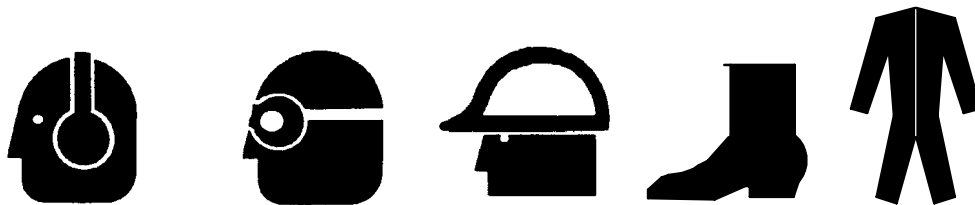


Fig. 1. Symbols of the safety equipment

- It is forbidden to use a machine which is out of order or faulty.
- Depending on its type, the machine has different kinds of safety equipment and safety guards. The purpose of these is to protect the equipment and its operator and, under no circumstances, should they be changed or removed.
- Allow only qualified and trained personnel to use and service the machine. Make sure that the new operators have received guidance and training.
- There must always be an updated operating instruction for the specific machine available. Make sure the personnel that they have understood the operating, maintenance, repair and safety instructions of the equipment.

### Make sure that:

- the use of faulty equipment is forbidden.
- the warning and safety equipment installed in the machine have not been removed or changed and that they are used correctly.
- the safety equipment are installed back in their place immediately after servicing has terminated.
- regular safety tests and corresponding inspections are carried out.

# VARIO 121

## IT IS TO BE NOTED THAT THE MANUFACTURER OF THE MACHINE IS NOT LIABLE FOR DAMAGES CAUSED BY

- faulty, careless and inappropriate use.
- changes made without the manufacturer's consent.
- spare parts, which are not original.
- natural wearing.
- operating errors caused by erroneous performances by an unqualified person.



**Occupational accidents often occur under unusual circumstances. It is therefore important to take all possibilities into consideration, even the most unlikely situations, which may occur in each job.**

- When using the equipment, the operator is responsible for the safety and danger zone of the entire operating area of the equipment.
- The operating safety of the equipment must be inspected every time before taking the equipment into use. If there are faults or defects to be detected, they must be repaired immediately.
- If it is impossible to abolish factors that endanger the operating safety, the work must be terminated.
- All safety regulations must be followed.
- All operating and service instructions must be followed.
- Do not use any piece of equipment unless you have thoroughly familiarized yourself with its operation.
- The operator must be familiar with the operation of the equipment and all its control devices.
- The safety systems must never be bypassed or removed to facilitate the job. The equipment must never be started up or used if any of the safety protective devices has been removed.
- Make sure before starting up or using the equipment that it will not cause any danger to people or property.
- It is forbidden to exceed the performance values given.
- It is forbidden to use the equipment when sick or under the influence of alcohol or other intoxicating substance.
- All the safety and warning plates in the machine must be legible and whole.
- Personal safety equipment must be worn inside the entire operating area of the machine.

### **It is forbidden to make any of the changes mentioned below without the manufacturer's consent:**

- Extension of pressurized pipes and hoses on material which is weaker than original material.
- The values set at the factory such as pressures, speed, capacity and the adjustment of the safety valves.
- Structural changes affecting durability.

**The operator must always have an unobstructed view over the working area. If this is not possible, an assistant must be appointed.**

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# VARIO 121

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- When faults occur that decrease the operation safety, stop the machine.
- Never try to touch moving parts when the engine is running or the pressure accumulator is pressurized.
- Only authorized professionals are allowed to repair electric and hydraulic damages.
- Only persons authorized by the manufacturer are allowed to weld load carrying structures. Ask an expert to check all welding.
- Service the machine regularly at prescribed intervals and remember the annual safety inspections.
- Always protect the machine against unauthorized use and unintentional operations when leaving it. For example the unintentional moving of the trailer on parking.
- The spare parts and equipment must always meet the requirements of the manufacturer. This can be ensured by using original spare parts.
- Before taking the equipment into use, the operator must also be familiar with the operation of the extras.
- Especially quick stroke–like loads require special caution
- In cold conditions, only recommended oils must be used.

**When lifting the machine, make sure that the lifting equipment is in prime condition.**

**The weight of the machine to be lifted must be known before lifting.**

Many countries have special laws and statutes related to lifting, hoisting cables and lifting equipment. Always follow the safety regulations required by local laws.

## 1.1. OILS AND GREASES

1. Always use only the types of oils recommended by the manufacturer. If these recommendations are not followed, it may damage the machine or cause the machine not to operate properly, which again may cause serious bodily injury or material damage.
2. Do not mix different kinds of fluids or oils together.
3. Remember that not all bearings are alike. Each bearing has its own characteristics and lubrication requirements. Follow the instructions provided by the manufacturer.
4. Use the control equipment with special care until the hydraulic oil has reached the correct temperature. Warm up the hydraulic oils in accordance with the instructions provided by the manufacturer.

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## 2. SAFETY INSTRUCTIONS FOR THE HYDRAULIC CIRCUITS

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1. Only trained and experienced technicians are allowed to install, repair or service hydraulic equipment.
2. Check the equipment for possible leaking. All leaks in the hydraulic system must be repaired before the equipment is taken into operation. Check all hydraulic hoses, especially those which have to bend in use and replace the hoses as necessary. Check that all the safety caps and filling plugs have been closed tightly.



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# VARIO 121

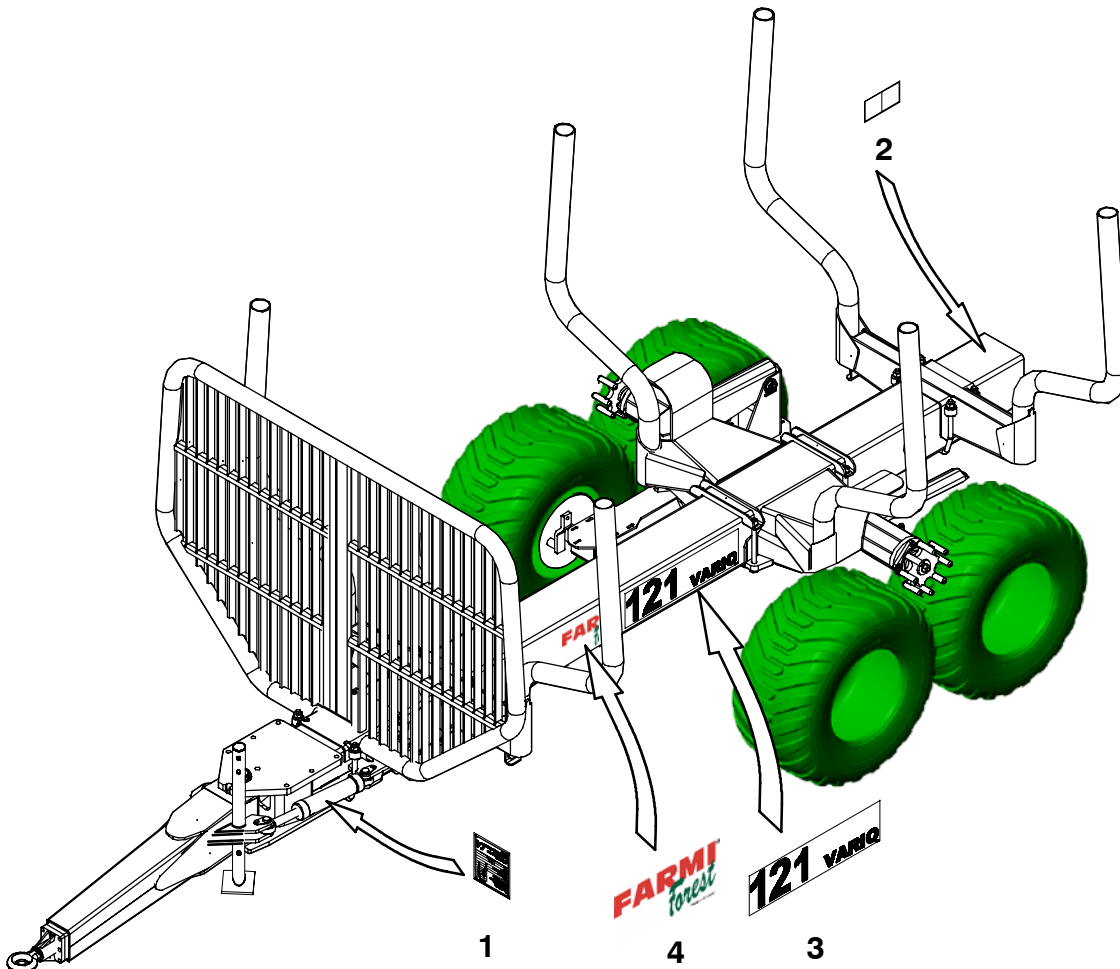
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3. Check that all the safety equipment such as pressure control valves, pressure gauges etc. are in place and in operating condition. You must know how to use them. **The safety systems must never be bypassed.**
4. All hydraulic hoses, which are in bad condition or leaking must be replaced.
5. It is forbidden to change the pressure values of any operation.
6. Check daily and always after damage the most important parts of the hydraulic system. Repair the damaged parts immediately.
7. Clean the surface of the components to be repaired. Do not use solvents when cleaning the parts.
8. Do not try to do repairs which you do not master.
9. Never try to do repairs in the hydraulic circuit, when the system is pressurized. A compressed oil jet may penetrate your skin and be lethal.
10. Do not use the equipment if the system has a leaking hose.
11. Make sure that all joints are tight and that the lines have not been damaged.
12. Do not work underneath a machine or component, which is only held up hydraulically. Use separate supports when servicing or repairing.
13. Do not disconnect the cylinders of the machine or their counter valves before the machine has been supported well.
14. The length and quality of the pipe connectors and hoses must correspond to the set requirements. When replacing or repairing the hoses, use original spare parts or hoses and connectors, which are in accordance with the manufacturer's recommendations. It is to made sure, in particular, that the pressure classes of the hoses and connectors correspond to the operating pressures.
15. All changes in the equipment require a written permit from the manufacturer.
16. Hydraulic oils do not normally evaporate easily. However, hot oil, splashes and oil fog (under pressure) are danger factors. Small amounts do not normally cause intoxication when inhaled or swallowed. Old, dirty oil is more dangerous than new oil.
17. If you get oil in your eyes, rinse them with abundant water and see a doctor.
18. Occasional skin contact is not normally harmful if the skin is healthy and there are no open wounds. You can wipe or wash the oil from the skin. The problem is repeated skin contact, which results in dry and chapping skin of the hands. The oil dissolves the natural protective grease layer off the skin and the skin gets small cuts and scratches easily. Hydraulic oil that penetrate the scratches can cause an inflammation and a rash.
19. If you cannot avoid splashes or skin contact, use safety gloves, glasses and clothing as necessary. Do not use oily clothes.
20. Hydraulic oil must not get into the environment, because it may pollute the water system and groundwater. However, if it is necessary to work in ecologically sensitive areas, mineral oil should be replaced by vegetable oil (rape—seed oil).
21. Store the oil in a closed vessels provided by the factory. Try to get the oil directly from the vessel into the tank.
22. If you must pour oil into other containers, it is important that they are clean. Also the caps, funnels, filters and filling holes must be clean.
23. Do not store oil out—of—doors to prevent water from condensing in the oil.
24. Always drain waste oils into a vessel and not into the environment.

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## 3. STICKERS AND SIGNS

These stickers and plates must be found on the crane. Replace missing stickers or plates immediately.



<b>Farmi Forest Corporation</b>		<b>CE</b>
Ahmolantie 6 FIN-74510 PELTOSALMI FINLAND		
TYPE	FOREST TRAILER	
MODEL	VARIO 121	
SERIAL NO.		
YEAR OF MANUFACTURE	200	
OWN WEIGHT	1995 - 2180 kg	
MAX. TOTAL WEIGHT	14180 kg	
40146490		

Fig.1. Machine plate 40146490

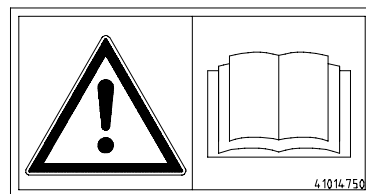


Fig.2. Caution!  
Look at instruction manual. 41014750



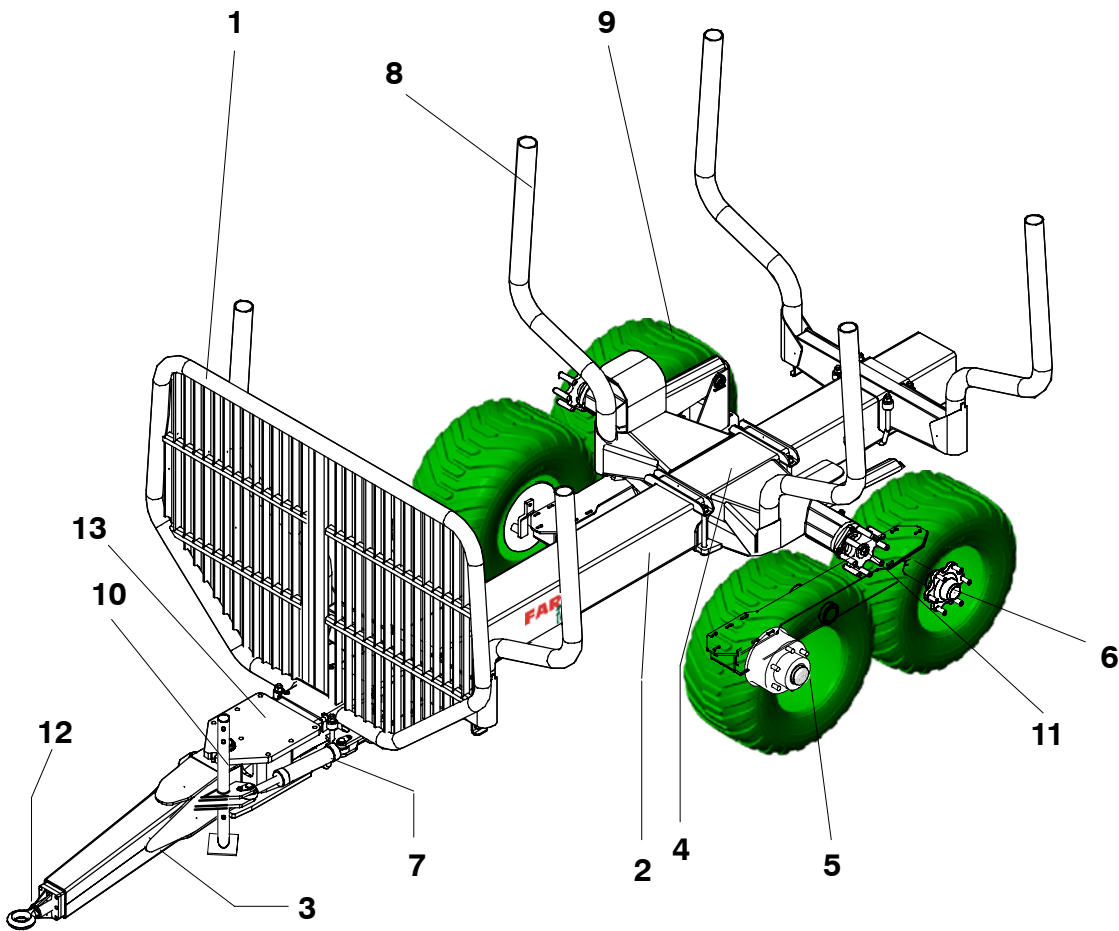
Fig.3. VARIO 121-sticker 40146510



Fig.4. FARMi-sticker 41016100

# VARIO 121

## 4. MAIN PARTS



1. Screen
2. Central beam
3. Drawbar
4. Bogie
5. Hub with brakes(option)
6. Hub without brakes
7. Hydraulic steering(option)
8. Stay
9. Tyres
10. Stand
11. Traction unit (option)
12. Eye bolt
13. Mounting plate

# VARIO 121

## 5. TECHNICAL DATA

<b>Loading capacity</b>		13000 kg	
<b>Own weight</b>		1995-2180 kg	
<b>Loading area</b>		2,6 m <sup>2</sup>	*1) measure
<b>Tyres</b>	L boggie	16/70-20 TT PR14	6 bolt hub 2260
<b>Tyres 4WD</b>	L boggie	550/45-22,5 F328, PR16	6 bolt hub 2410
		550/45-22,5 F328, PR16	8 bolt hub 2510
		500/60-22,5 F328, PR16	8 bolt hub 2345
		600/50-22,5 F328, PR16	8 bolt hub 2545
<b>Hydraulic steering turning angle</b>		± 40°	
<b>Recommended cranes</b>		FARMI HK 4166P FARMI HK 4571 / 4581 / 5767 FARMI HK 6266 / 6280	

## 6. DIMENSIONS

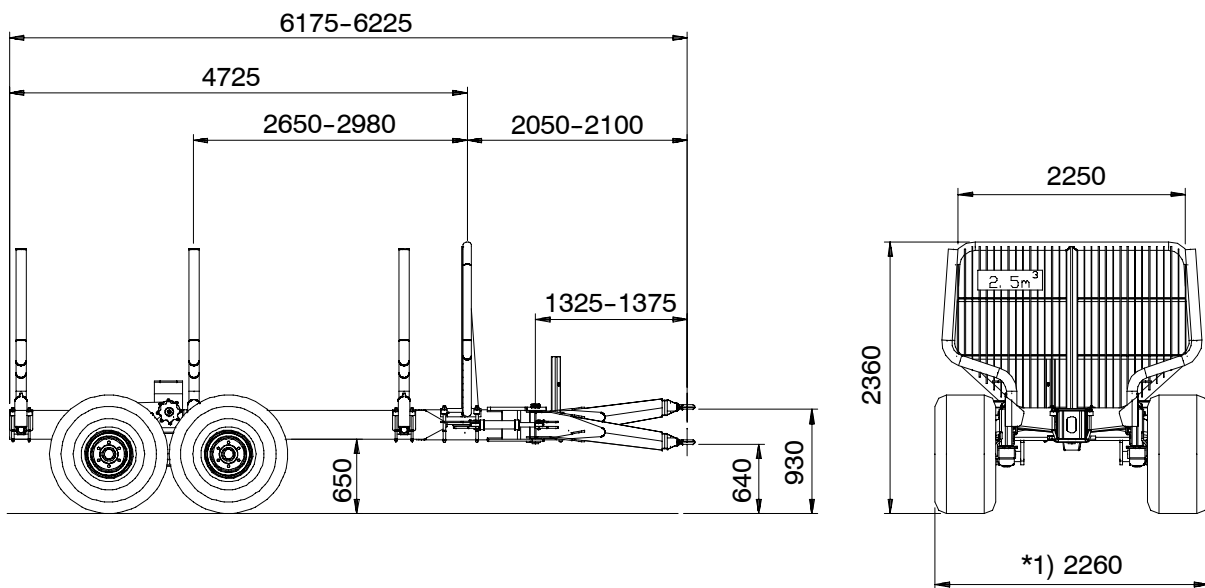


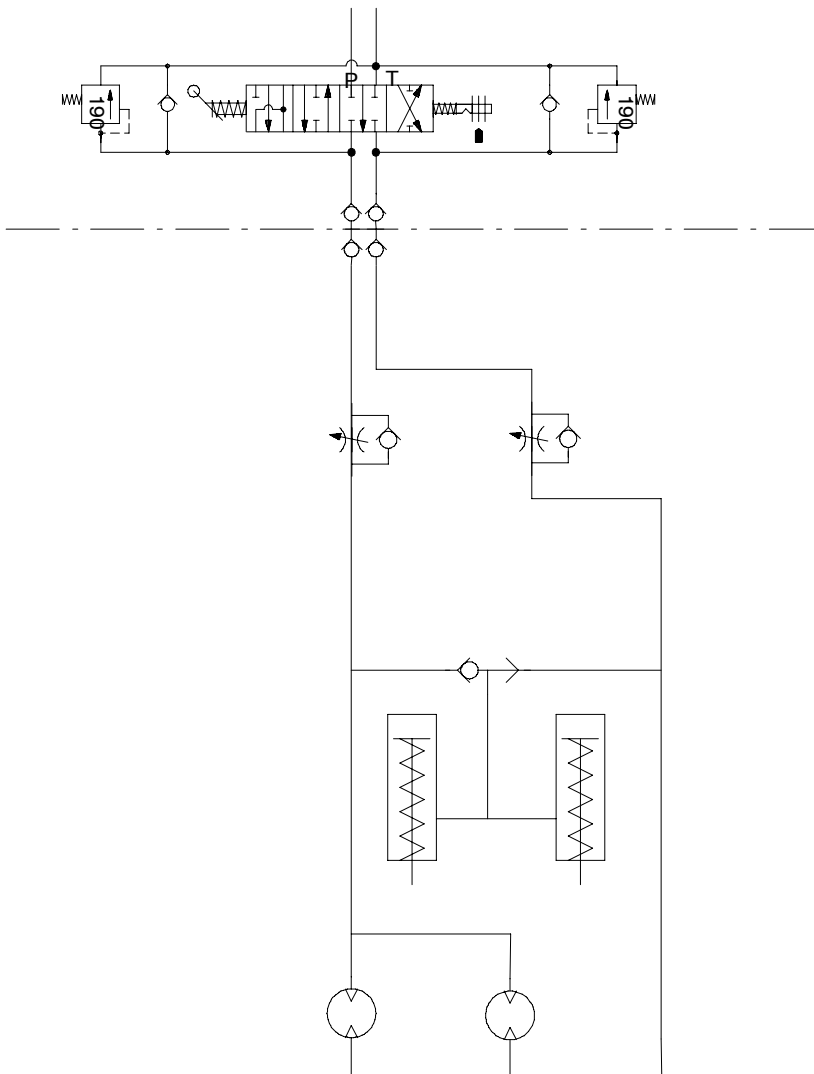
Fig.1. Dimensions VARIO 121

# VARIO 121

## 7.MOUNTING

### 7.1. MOUNTING

1. If the trailer is not a ready-made one, the installation must begin by assembling the trailer. When the base frame has been assembled, the hydraulic hoses must be lead through the base beam to the connectors of the back part of the trailer. See the spare parts book the base frame assembly and connection of the hydraulic hoses.
2. Fix the trailer to the trailer hitch of the vehicle.
3. Connect the hydraulic system of the trailer to the hydraulic system of the vehicle. Connect the optional hydraulic steering to vehicle hydraulics.
4. For choosing the drive direction of a trailer with traction, the vehicle requires a double-acting, floating position directional control valve with two 190 bar check valves. The valve has three positions for traction: forwards, neutral and backwards. See the hydraulic schema below.



Kuva 2. VARIO-4WD hydraulic schema.

# VARIO 121

## 7.2. MOUNTING OF HYDRAULIC or PNEUMATIC BRAKES

The forest trailer can be equipped also with brakes. See the spare parts manual how to install hydraulic or pneumatic brakes. When the question is of the hydraulic brakes the hydraulic hose has to be connected to the 1 –function control valve of the driving vehicle. The brake power regulator is available as an optional for the hydraulic brakes. Note that the red claw coupling is connected to the feeding line and the yellow claw coupling is connected to the brake line in 2 –line brake systems. The brake power regulator is a standard equipment in the pneumatic brakes. In the brakes there is not a adjustment possibility. Check the brake shoes, if necessary or when the braking effects have weakened.

## 7.3. CRANE (optional) MOUNTING

The crane has to be installed on to the mounting plate on the frame. If you use crane HK 3861 and assembly base AP3800, then you have to make bevels to the mounting plate as shown below. Otherwise the crane will be installed normally.

## 8. OPERATION

### 8.1. PRE-OPERATION CHECKS

- Check the oil level in the vehicle hydraulic system.
- Ensure that the trailer is correctly coupled to the vehicle, that the hoses and the hydraulic components are correctly mounted and are functioning.
- Before driving make sure the brakes are disengaged.
- Check the tyre pressures. If needed, increase or decrease tyre pressure. Don't exceed recommended tyre pressures.
- Make sure that the directional control valve is in neutral position.

### 8.2. DRIVING

- Braking heavily will wear or even damage the brakes. Apply the brake steadily.
- If you use a hydraulic steering, do not suddenly overload the control cylinders.
- Be careful not to turn over the vehicle or the forest trailer.
- When needed traction, choose the driving direction by using the directional control valve. The traction must be switched off by turning the directional valve to the floating position (neutral) when the driving speed of the vehicle exceeds the traction speed produced by the pump. Pay attention to the fact that in that case the friction rolls will rise out of the traction position.



**When traction is engaged, the trailer cannot be pulled faster than the pump's output enables. Maximum traction speed at pump output 50l/min is 2,7km/h.**



**In prolonged constant traction, note the hydraulic oil heating.**



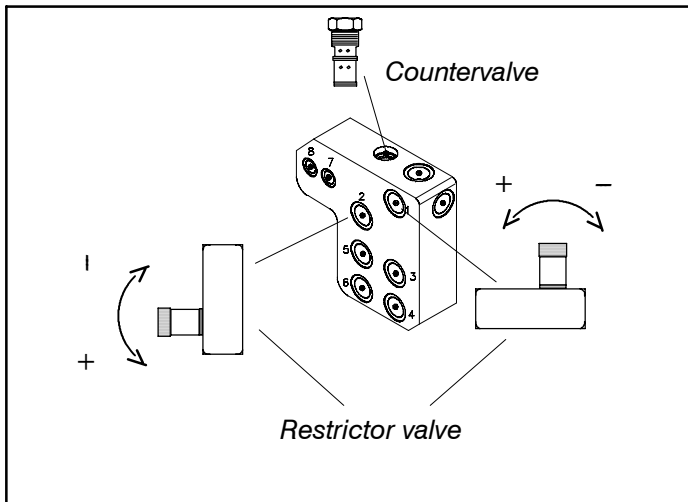
**DO NOT CHANGE DRIVE DIRECTION IN MOTION! Change the drive direction only when the trailer is standing still. Changing the drive direction in motion damages traction motors and wears out tyres.**

# VARIO 121

## 8.3. ADJUSTING THE COMPRESSION OF THE TRACTION ROLLERS

Adjusting the traction rollers compression is carried out by two valves.

- Open the valves fully open. For initial setting turn the restriction knobs 3–4 rounds in closing direction. If necessary to adjust the rollers compression turn the knobs to the opening or closing direction.



## 8.4. USE OF THE BRAKE POWER REGULATOR (PNEUMATIC)(STANDARD EQUIPMENT)

The brake power regulator is used to adjust the pneumatic pressure going to the brakes, thus adjusting the brake power. The regulator has a handle with three positions; empty, half and full load; representing trailer's state of load.

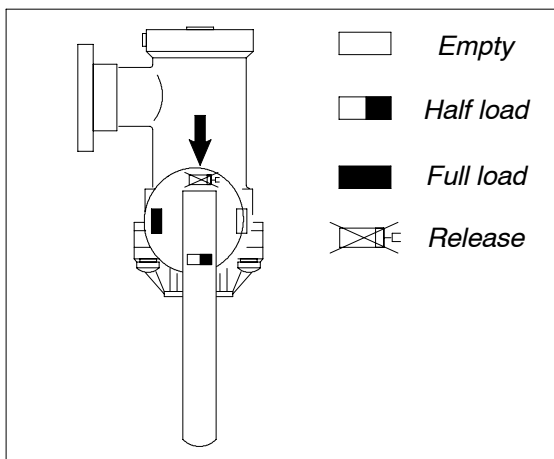
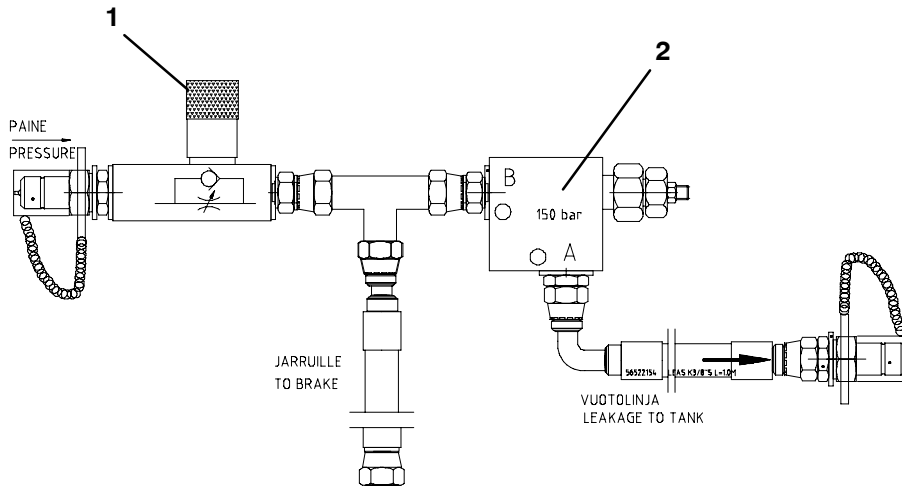


Fig. 5. Brake power regulator's controls

# VARIO 121

## 8.5. USE OF THE BRAKE POWER REGULATOR (HYDRAULIC) (OPTIONAL)

The brake power regulator is used to adjust the hydraulic pressure and hydraulic flow rate going to the brakes thus adjusting brake power. Flow rate which goes to the brakes is adjusted in the flow control valve (1). The pressure reduction valve (2) restricts the pressure going to the brakes to a maximum 150 bar value.



## 9. LUBRICANT RECOMMENDATIONS

When lubricating or servicing the trailer, turn off the vehicle. Never attempt to clean, lubricate or service the trailer while it is in motion.

Ensure regularity of lubrication by following the lubricating schedule.

Inspect equipment daily for signs of failures or beginning of failures.

Use proper tools for service.

Keep flammable materials away from heat, sparks and open fire.

### RECOMMENDED GREASES

Company	Type
BP	Energrease LS-EP2, L21M
EXXON	Beacon EP2, Multipurpose GR Moly
MOBIL	Mobilux EP2, Mobil Grease MP, Special
SHELL	Alvania EP Grease 2
UNION / TEXACO	Marfak Multi-purpose 2, Molytex Grease 2
TEBOIL	Universal CLS



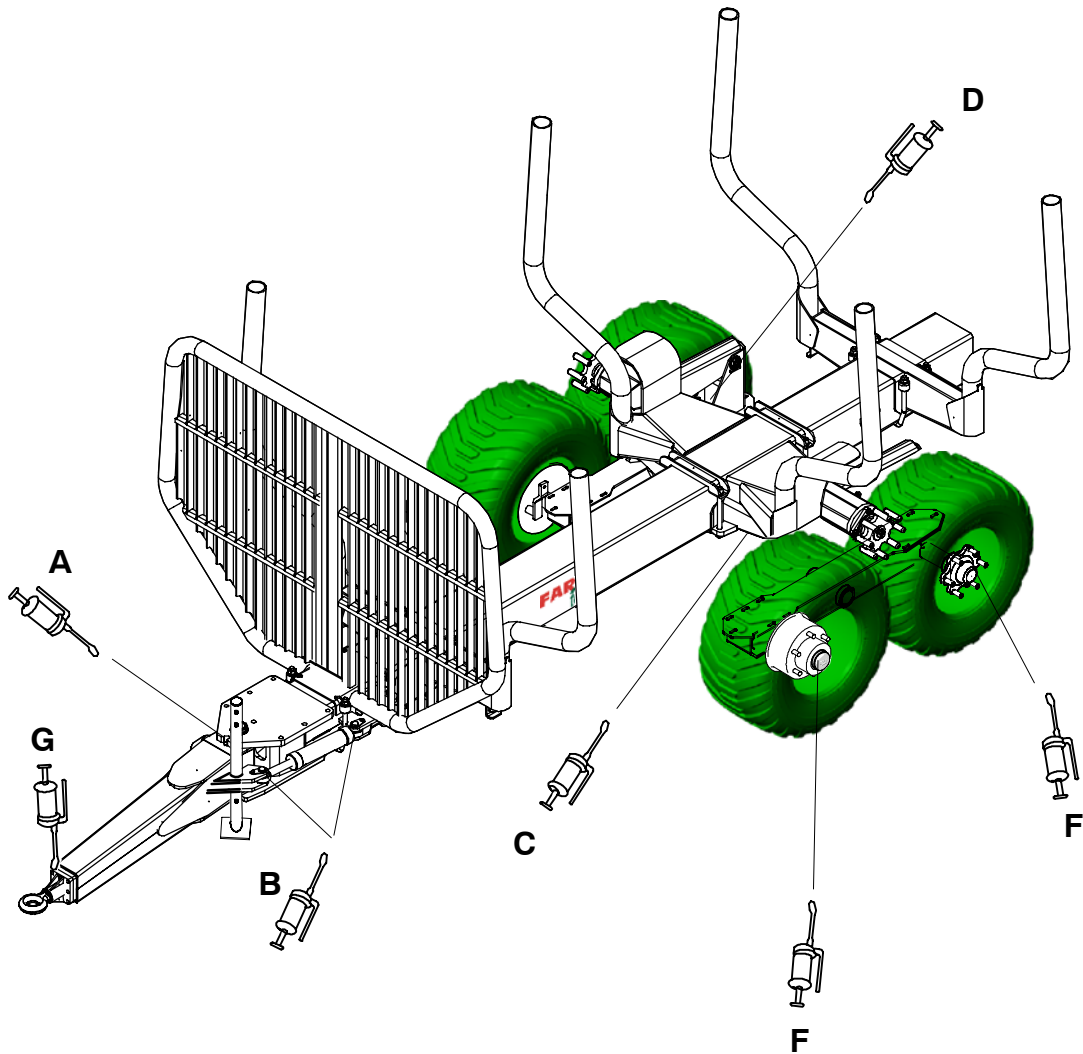
# VARIO 121

## 10.TROUBLE SHOOTING

TROUBLE	POSSIBLE CAUSE	REMEDY
4WD DOES NOT FUNCTION	QUICK-CONNECTOR LOOSE OR DEFECTIVE	CHECK THE QUICK-CONNECTORS
	DIRECTION VALVE HAS NO CURRENT SUPPLY	CHECK SWITCHES AND FUSES
PULLING ROLL TURNS BUT CANNOT BE LOWERED	REGULATION OF THE REACTIVE NON-RETURN VALVE HAS CHANGED	ADJUST THE REACTIVE NON-RETURN VALVE
	REMOVABLE NON-RETURN VALVE FAULTY	REPLACE REMOVABLE NON-RETURN VALVE
	HOSE PIPE LOOSE	CHECK HOSE PIPES AND THE CONNECTIONS
PULLING ROLL CAN BE LOWERED BUT DOES NOT TURN	REGULATION OF THE REACTIVE NON-RETURN VALVE HAS CHANGED	ADJUST THE REACTIVE NON-RETURN VALVE
	QUICK-CONNECTOR LOOSE OR DEFECTIVE	CHECK THE QUICK-CONNECTORS
4 WD IS INEFFECTIVE	PRESSURE IS LOW	CHECK THE PRESSURE; FIRST OF THE TRACTOR; THEN OF THE 4WD VALVE
	HYDRAULIC MOTOR FAULTY	REPLACE OR REPAIR THE MOTOR
	HOSE PIPE LINES ARE BLOCKED	CHECK THE HOSE PIPES
BRAKES ARE INEFFECTIVE	PRESSURE ON THE BRAKE IS LOW	CHECK THE PRESSURE
	BRAKE SHOES OR BRAKE DRUMS ARE WORN OUT	REPLACE BRAKE SHOES OR BRAKE DRUMS
	BRAKE CYLINDER DEFECTIVE	REPAIR OR REPLACE THE BRAKE CYLINDER
	BRAKE PIPE DAMAGED / LEAKING	CHECK HOSE PIPES AND CONNECTORS
	SEALS OF THE BRAKE CYLINDER ARE DEFECTIVE	REPLACE THE SEALS

# VARIO 121

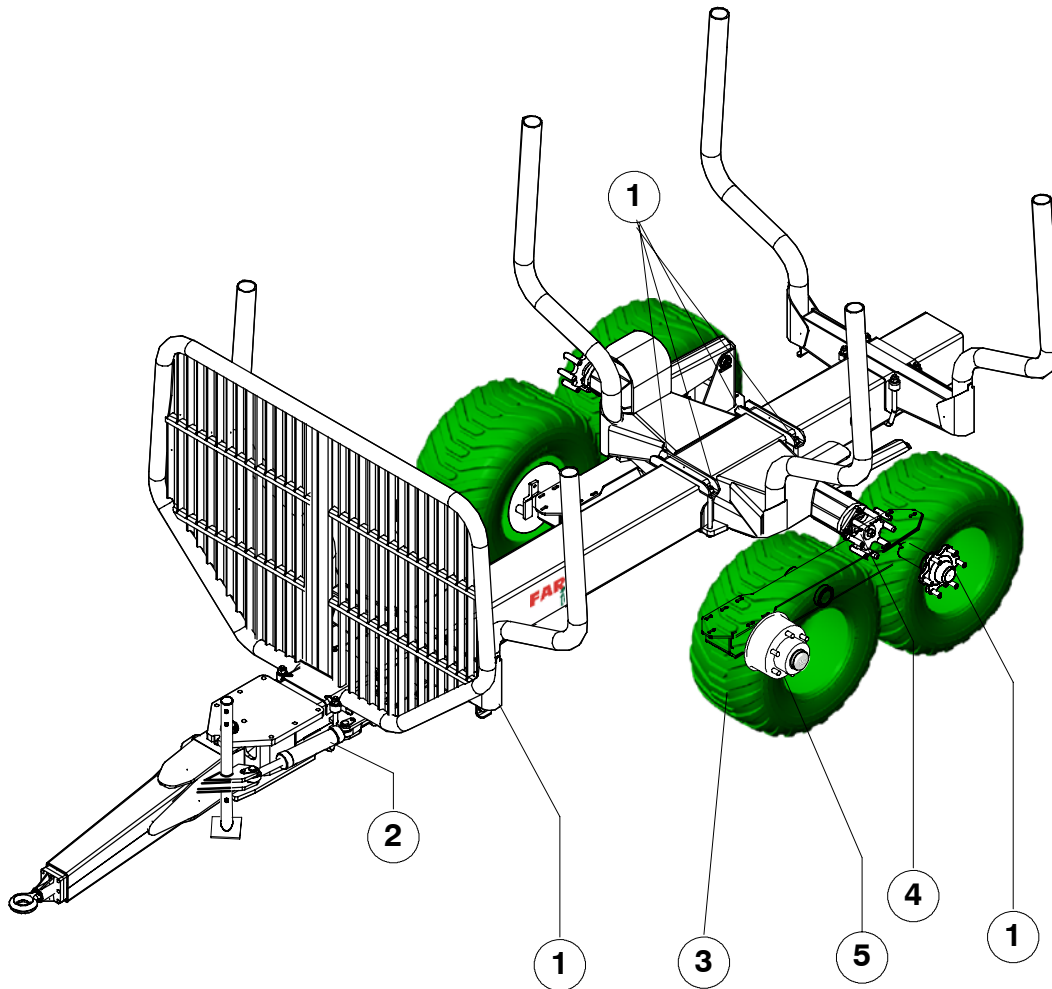
## 11. LUBRICATION SCHEME



LUBRICATING POINT	TYPE OF LUBRICANT	INTERVAL
A. Drawbeam joint	Grease	10 h or each shift
B. Hydraulic steering cylinders	Grease	10 h or each shift
C. Bogie bearings	Grease	10 h or each shift
D. Hydraulic motors and cylinders	Grease	10 h or each shift
E. Bearings	Grease	10 h or each shift
F. Hubs (*)	Grease	50 h at first use 200h otherwise
G. Eye bolt	Grease	50 h or weekly

# VARIO 121

## 12.MAINTENANCE SCHEME



### WEEKLY (50 hours)

1. Check the tightness of stays fixing and wheel bolts.

**REMARK! For a new trailer, check after first 10 hours.**

2. Check hydraulic hoses and cylinders condition. Check connection of hoses. When you change hydraulic hoses, clean the new hoses with pressurized air. Make sure that the hoses are connected correctly after replacing.

### EVERY 100 HOURS

3. Check tyre pressure.

16/70-20 TT PR14	3,5 bar
550/45-22,5 F328, PR16	2,8 bar
500/60-22,5 F328, PR16	3,2 bar
600/50-22,5 F328, PR16	2,6 bar

### EVERY 6th MONTH (1000 hours)

4. Check hub bearings and bogie bearings.
5. Check brakes condition. Replace brake shoes if they have worn down to 2 mm or below ( see spare parts manual for exploded view of brakes). Clean brake drum.

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# **VARIO 121**

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## **13. VARIO 121 VARIATIONS**

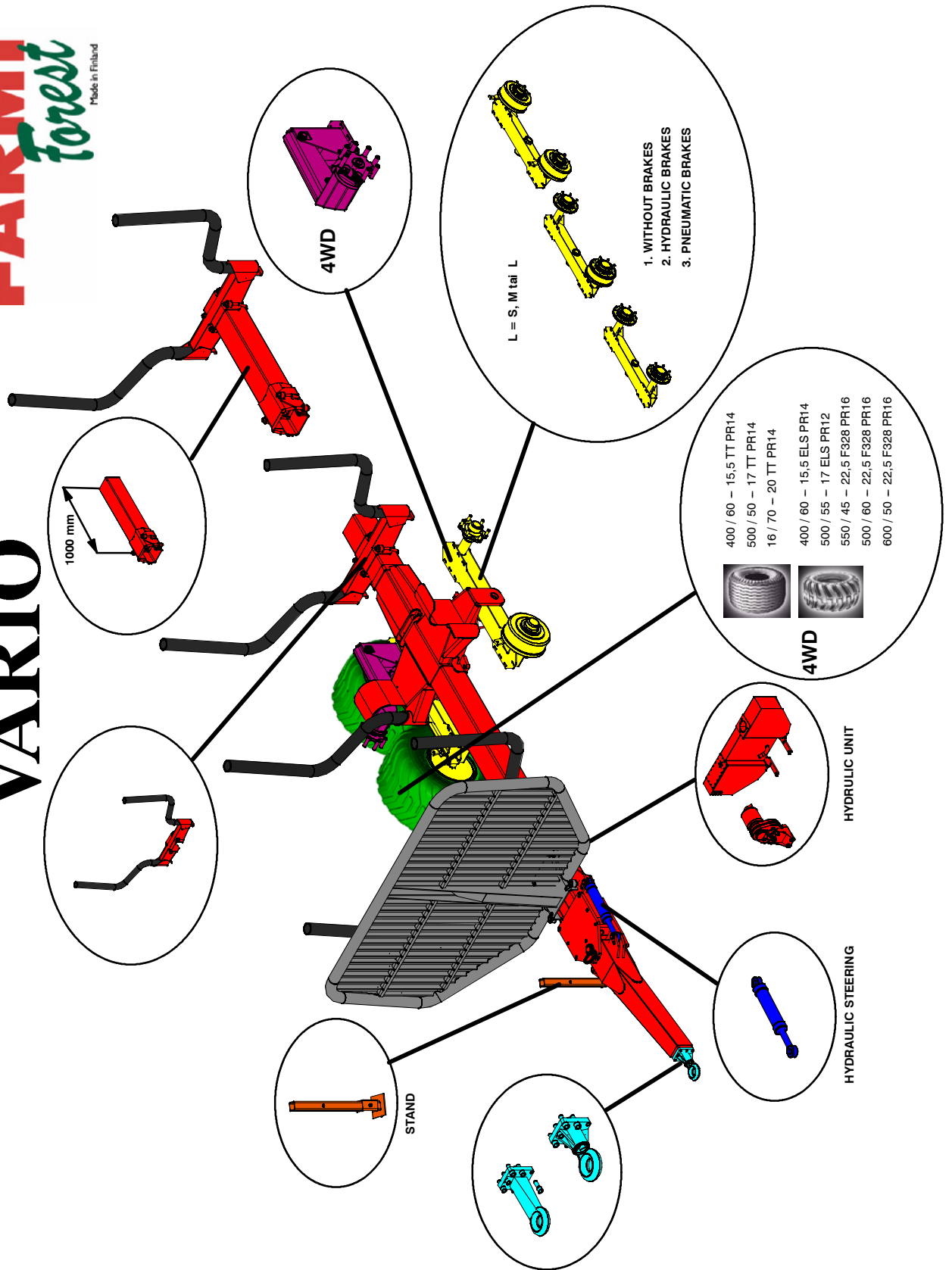
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One of the best characteristic of the VARIO 121 is it's variation, which happens simply and easily by changing moduled parts. For instance, if you have purchased a forest trailer, which is a basic equipped unit and without brake and you wish to change your trailer to a 4WD with brakes as a professional tool, it will happen easily by ordering and changing / adding moduled parts to an already purchased forest trailer. At the next page there is a schema, where you'll find the needed modules when changing your trailer.

# VARIO 121

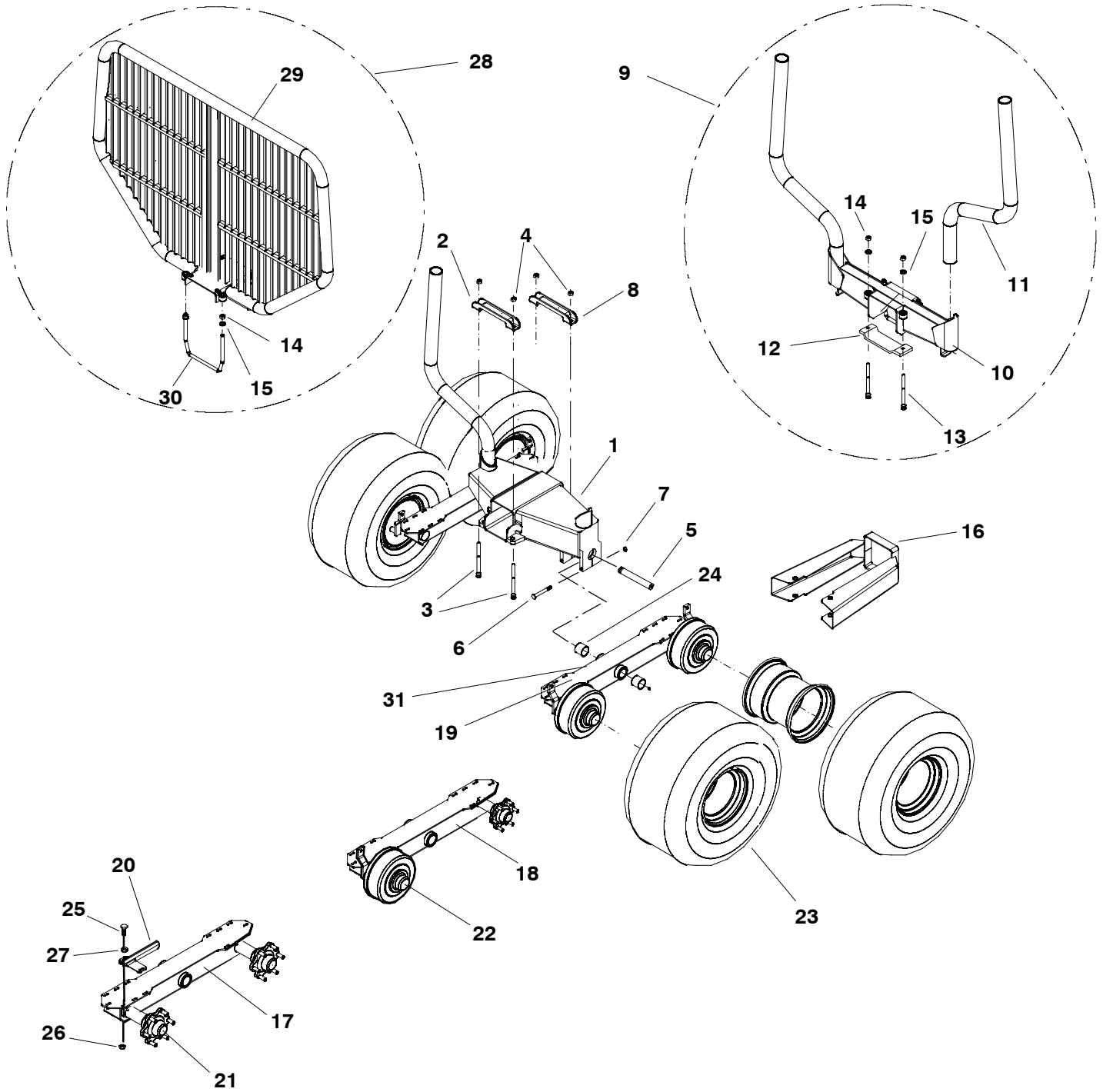
**FARMI**  
Forest  
Made in Finland

## VARIO



# VARIO 121

## Frame – Rahmen – Châssis – Runko



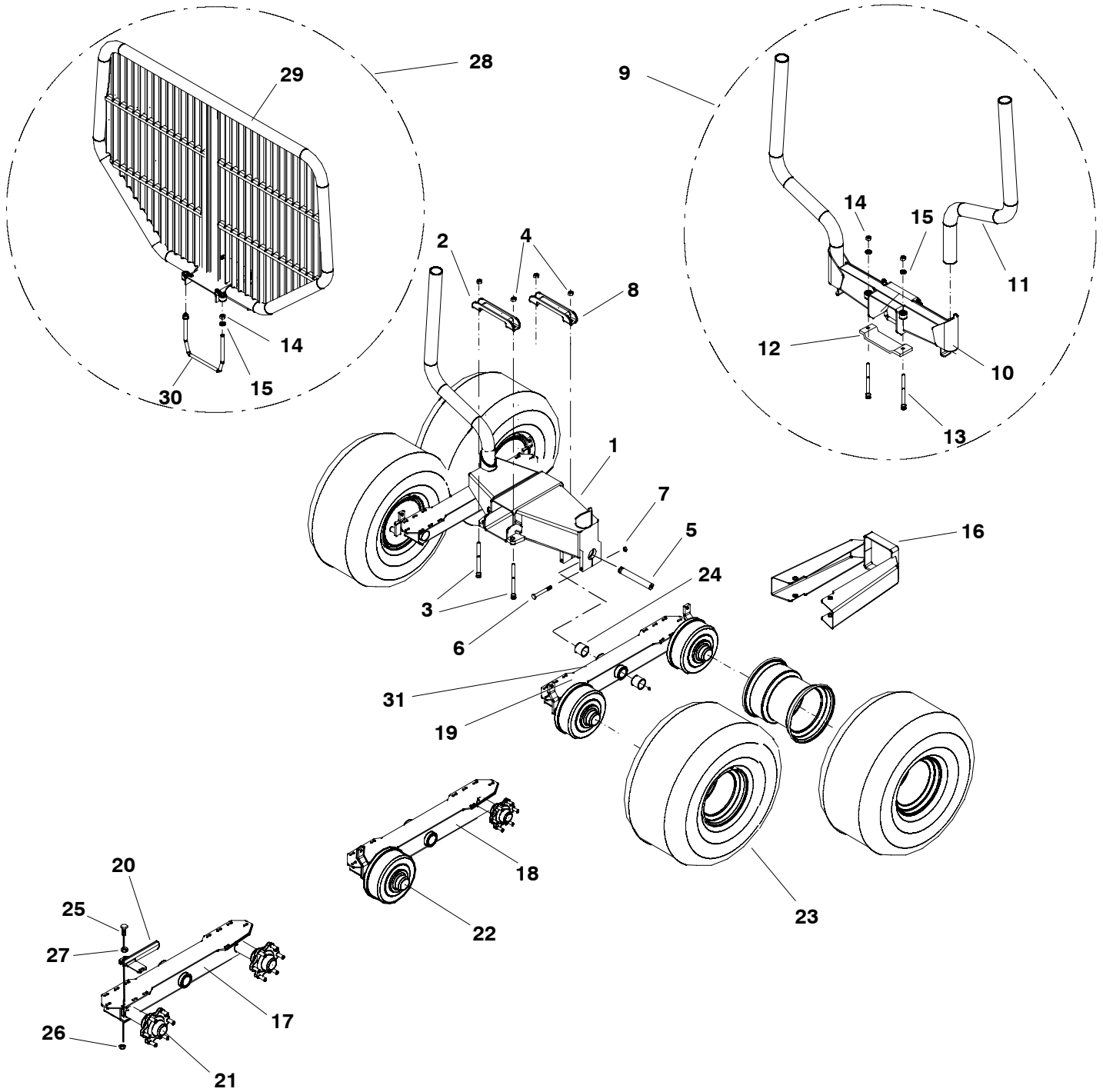
# VARIO 121

## Frame – Rahmen – Châssis – Runko

Part	Order No.	Description	Remarks	Pc
Teil	Best Nr.	Bezeichnung	Obs	St.
Pièce	No. de ordre	Désignation	Obs	Pc
Osa	Tilausnumero	Osan nimi	Huom.	Kpl
1. ....	44075940 .....	Bolster bogie .....	Doppelachse .....	1
		Banc de rancher .....	Telipankko	
2. ....	44073490 .....	Fastening .....	Verschluss .....	1
		Support .....	Kiinnitin	
3. ....	52070695 .....	Screw .....	Schraube .....	M24x260 DIN931 10.9ZN . 4
		Vis .....	Kuusioruuvi	
4. ....	52117249 .....	Lock nut .....	Schlossmutter .....	M24 DIN985 8.8ZN ..... 4
		Écrou à mâchoires ...	Lukitusmutteri	
5. ....	44072310 .....	Pin .....	Zapfen .....	2
		Broche de vérin .....	Telin tappi	
6. ....	52063393 .....	Screw .....	Schraube .....	M16X1,5X120 8.8 ZN ..... 4
		Vis .....	Kuusioruuvi	
7. ....	52110244 .....	Nut .....	Mutter .....	M16X1,5 DIN934 8.8ZN .. 4
		Écrou .....	Mutteri	
8. ....	44074020 .....	Fastening .....	Verschluss .....	1
		Support .....	Kiinnitin	
9. ....	44072050 .....	Bolster set, compl. ...	Rungenbank, kompl. ....	1
		Les ranchers coulissants	Irtopankko, koonta	
10. ...	44073530 .....	Bolster .....	Rungenhalter .....	1
		Semelle .....	Pankko	
11. ...	44094090 .....	Stake .....	Rungen .....	2
		Montant .....	Karikka	
12. ...	44074940 .....	Tightener .....	Verschluss .....	4
		Dispositif de serrage .	Kiristin	
13. ...	52062239 .....	Screw .....	Schraube .....	M20X60 DIN933 8.8ZN ... 8
		Vis .....	Kuusioruuvi	
14. ...	52200086 .....	Washer .....	Scheibe .....	M20 DIN126 5.8ZN ..... 8
		Rondelle .....	Aluslevy	
15. ...	52117207 .....	Lock nut .....	Schlossmutter .....	M20 DIN985 8.8ZN ..... 8
		Écrou à mâchoires ...	Lukitusmutteri	
16. ...	44074200 .....	Cover .....	Schutz .....	1
		Couvercle .....	Takasuoja	
17. ....		Bogie beam, without brakes	L .....	2
		Pendelachse, ohne Bremse		
		Bogie, sans frein		
		Telipalkki, jarruton		

# VARIO 121

## Frame – Rahmen – Châssis – Runko





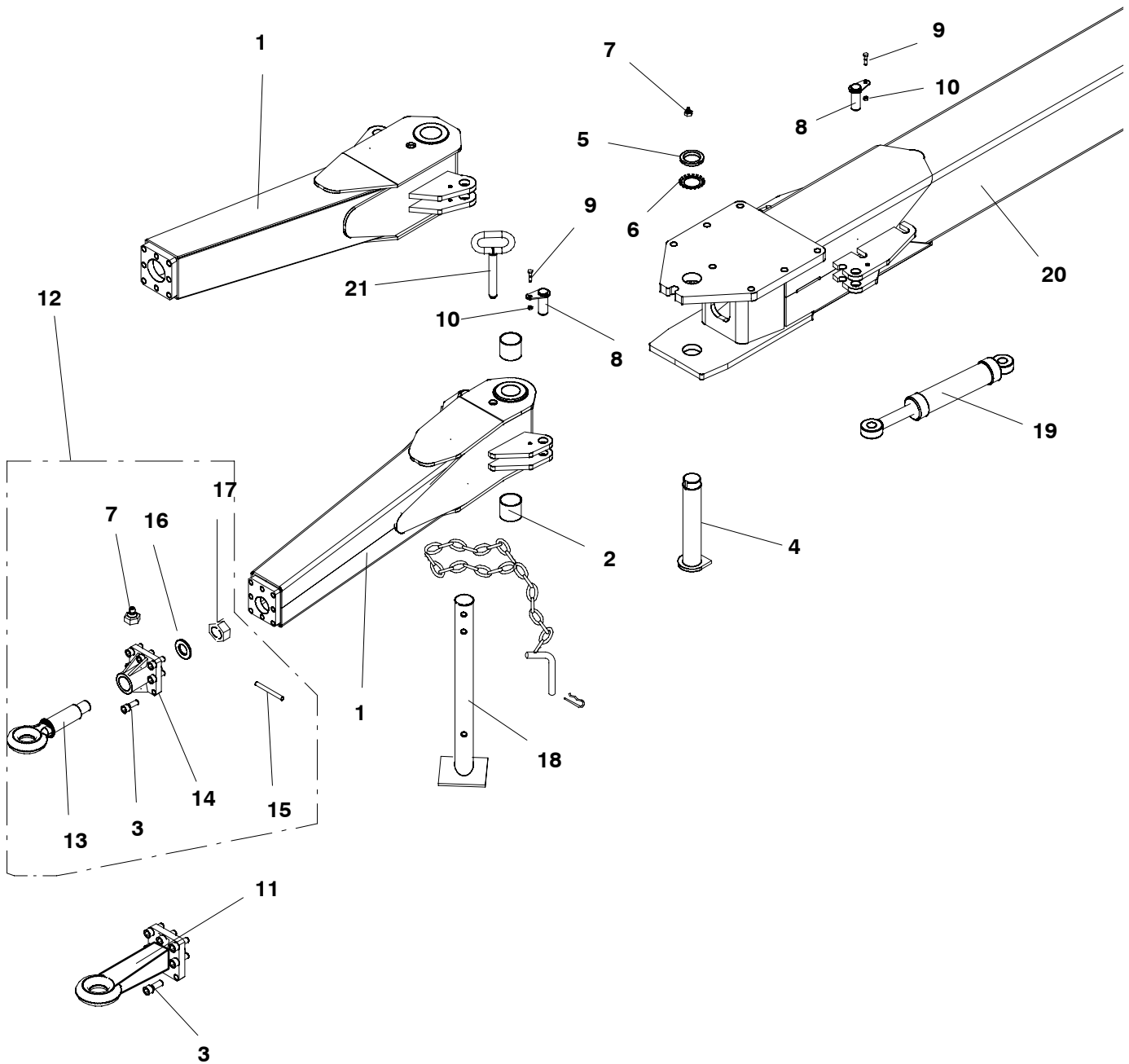
# VARIO 121

## Frame – Rahmen – Châssis – Runko

Part	Order No.	Description	Remarks	Pc
Teil	Best Nr.	Bezeichnung	Obs	St.
Pièce	No. de ordre	Désignation	Obs	Pc
Osa	Tilausnumero	Osan nimi	Huom.	Kpl
18.		Bogie beam, one hub with brakes Pendelachse, ein Nabe mit Bremse Bogie, un moyeu avec frein Telipalkki, jarrullinen napa yhdellä akselilla	L	2
19.		Bogie beam, two hubs with brakes Pendelachse, zwei Nabe mit Bremse Bogie, deux moyeux avec frein Telipalkki, jarrullinen napa kahdella akselilla	L	2
20.	44091800	Hose cover, right Schutz, recht Protection de tuyau, droit Jarruletkunsuoja, oikea		1
	44091810	Hose cover, left Schutz, link Protection de tuyau, gauche Jarruletkunsuoja, vasen		1
21.	54843370	Hub without brakes Nabe ohne Bremse Moyeu sans frein Napa, jarruton	8-bolts	1
22.	54843388	Hub with brakes Nabe mit Bremse Moyeu avec frein Napa, jarrullinen	8-bolts	1
23.		Tyre Pneus Reifen Rengas		4
24.	54562590	Slide bearing Palier á glissement Gleitlager Liukulaakeri		4
25.	52060233	Screw Vis Schraube Ruuvi	M10X30 DIN933 8.8ZN	4
26.	52117108	Lock nut Écrou à mâchoires Schlossmutter Lukitusmutteri	M10 DIN985 8.8ZN	4
27.	52200045	Washer Rondelle Scheibe Aluslevy	M10 DIN126 5.8ZN	4
28.	04074320	Screen, compl. Grille, compl. Schutzgitter, kompl. Sermi, koonta		1
29.	44075610	Screen Grille Schutzgitter Sermi		1
30.	44073630	U-bolt Boulon U Bügel Sinkilä		1
31.	52401015	Grease nipple Graisseur Schmiernippel Rasvanippa	AR1/8"	2

# VARIO 121

Draw bar + beam – Deichsel + Rahmen – Timon de traction + membrure – Vetoaisa + runko



# VARIO 121

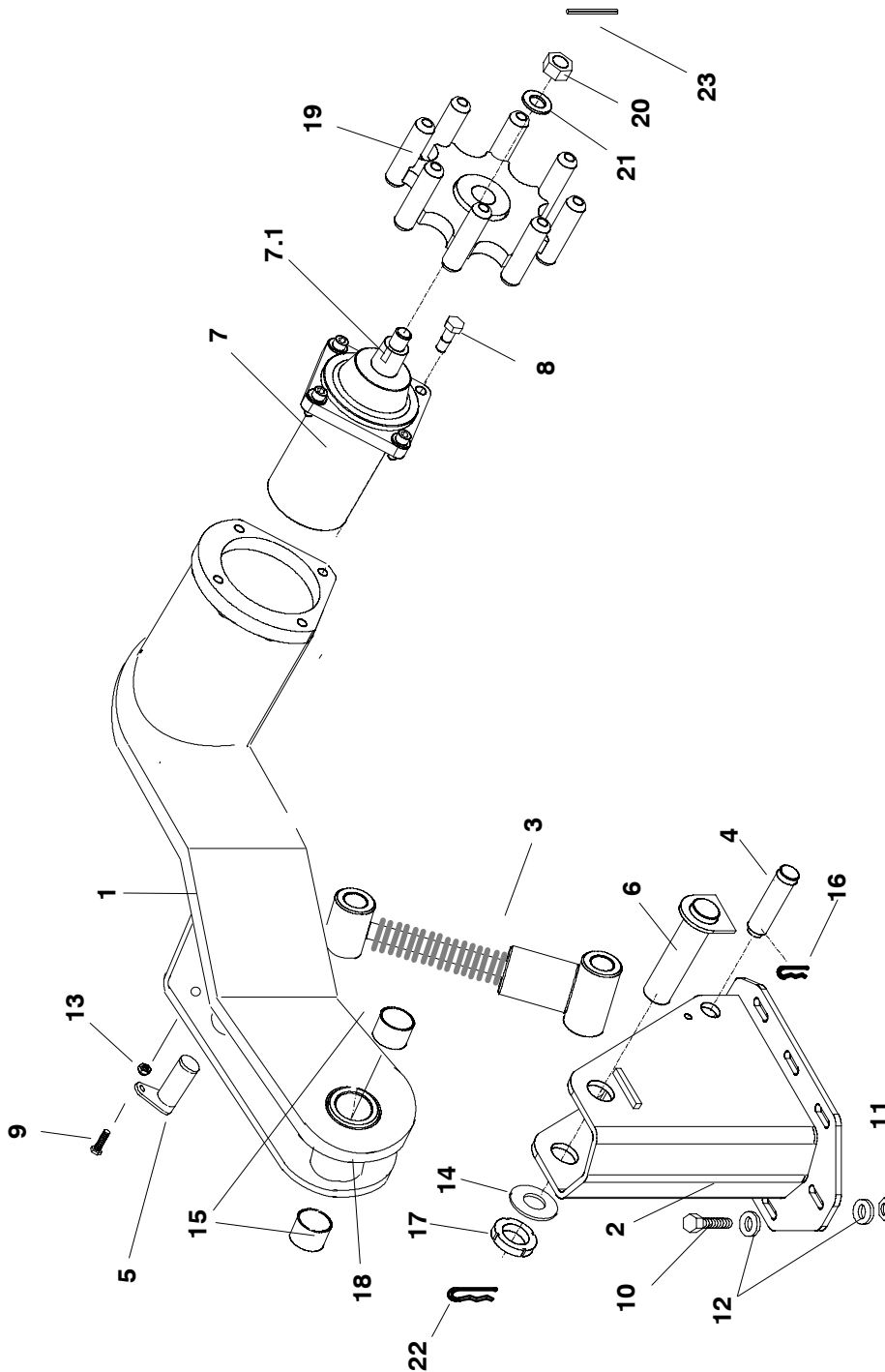
## Draw bar + beam – Deichsel + Rahmen – Timon de traction + membrure – Vetoaisa + runko

Part	Order No.	Description	Remarks	Pc
Teil	Best Nr.	Bezeichnung	Obs	St.
Pièce	No. de ordre	Désignation	Obs	Pc
Osa	Tilausnumero	Osan nimi	Huom.	Kpl
1.	44070210	Draw bar Tige de traction	Deichsel Vetoaisa	1
2.	54562590	Slide bearing Palier á glissement	Gleitlager Liukulaakeri	2
3.	56094576	Socked head screw Vis hexagonale à tête creuse	Innensechskantschraube Kuusiokoloruuvi	8
4.	44096170	Pin Broche	Zapfen Tappi	1
5.	52118114	Axle nut Garniture d'étanchéité	Mutter Akselimutteri	1
6.	52221330	Plate Plat	Platte Varmistuslaatta	1
7.	52401015	Grease nipple Graisseur	Schmiernippel Rasvanippa	AR 1/8" 2
8.	44090640	Pin Broche	Zapfen Tappi	4
9.	52060233	Screw Vis	Schraube Kuusioruuvi	M10X30 DIN933 8.8ZN 4
10.	52117108	Lock nut Écrou à mâchoires	Schlossmutter Lukitusmutteri	M10 DIN985 8.8ZN 4
11.	44091710	Draw bar eye, fixed Boulon à oeillet, rigide	Zugöse, fix Vetosilmä, kiinteä	1
12.	04073530	Draw bar eye, turning Boulon à oeillet, rotatif	Zugöse, rotierend Vetosilmä, pyörivä	1
13.	44090810	Eye bolt Boulon à oeillet	Zugöse Vetosilmukka	1
14.	44090770	Mounting flange Bride de montage	Einbaurahmen Kiinnityslaippa	1
15.	52813193	Split pin Goupille fendue	Scherensplint Saksisokka	6x60 DIN94 ZN 1
16.	44073240	Washer Rondelle	Scheibe Aluslevy	1
17.	52115250	Castle nut Écrou crénelé	Kronenmutter Kruunumutteri	M36x1,5 DIN937 1
18.	04092480	Support leg Pied stabilisateur	Stützbeine Tukijalka	1
19.	56044803	Hydraulic cylinder Cylindre hydraulique	Hydraulik Zylinder Hydraulisylinteri	63/36–230 2
20.	44070140	Frame Châssis	Rahmen Runko	1
21.		Pin Broche	Zapfen Lukitustappi	1

# VARIO 121

44095850 . Traction unit (right), compl. Hydraulikantrieb (rechts), kompl.  
Unité de traction (droite), compl. Vetoysikkö (oikea), koonta

44096110 . Traction unit (left), compl. Hydraulikantrieb (links), kompl.  
Unité de traction (gauche), compl. Vetoysikkö (vasen), koonta



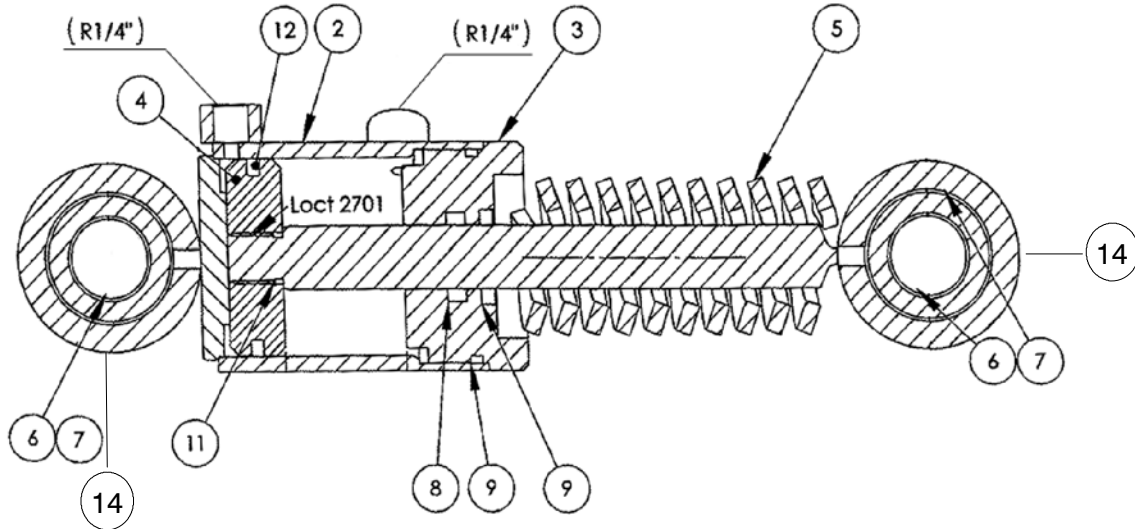
# VARIO 121

Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Désignation	Bezeichnung Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
1.	44095910	Arm, right Bras, droite	Schaft, rechts Varsi, oikea		1
	44096080	Arm, left Bras, gauche	Schaft, links Varsi, vasen		1
2.	44095860	Frame Cadre	Rahmen Runko		1
3.	56097320	Cylinder Cylindre	Zylinder Sylinteri		1
4.	44096040	Pin Broche	Zapfen Tappi	D25	1
5.	44096020	Pin Broche	Zapfen Tappi	D25/D30	1
6.	44095360	Pin Broche	Zapfen Tappi		1
7.	56028850	Hydraulic motor Moteur hydraulique	Hydraulik Motor Hydraulimoottori		1
7.1.	58219411	Key Coin	Keil Kiila		1
7.2.	58219759	Seal kit Série isolation	Dichtungssatz Tiivistesarja		1
8.	52062023	Screw Vis	Schraube Ruuvi	M12x30 DIN933 88ZN	4
9.	52060175	Screw Vis	Schraube Ruuvi	M8x25 DIN933 88ZN	1
10.	52062031	Screw Vis	Schraube Ruuvi	M12X40 DIN933 8.8ZN	7
11.	52117124	Lock nut Écrou à mâchoires	Schlossmutter Lukitusmutteri	M12 DIN985 8.8ZN	7
12.	52200052	Washer Rondelle	Scheibe Aluslevy	M12 DIN125 5.8ZN	14
13.	52117108	Lock nut Écrou à mâchoires	Schlossmutter Lukitusmutteri	M10 DIN985 88ZN	1
14.	44073240	Washer Rondelle	Scheibe Aluslevy		1
15.	54562509	Glide bearing Palier à glissement	Gleitlager Liukulaakeri		2
16.	52813151	Cotter Fric	Splint Saksisokka	5x50 DIN94	1
17.	52115250	Castle nut Écrou grénelé	Kronenmutter Kruunumutteri	M36x1,5 DIN937	1
18.	52401122	Grease nipple Graisseur	Schmiernippel Rasvanippa	AR1/8	1
19.		Pulling roll Tambour de traction	Antriebrolle Vetorulla	550/45-22,5 F328, PR16	1
		Pulling roll Tambour de traction	Antriebrolle Vetorulla	500/60-22,5 F328, PR16	1
		Pulling roll Tambour de traction	Antriebrolle Vetorulla	600/50-22,5 F328, PR16	1
20.	52115235	Nut Écrou	Mutter Mutteri	M20x1,5	1
21.	52200086	Washer Rondelle	Scheibe Aluslevy	M20	1
22.	52813193	Cotter Fric	Splint Sokka	6x60 DIN94	1
23.	52813086	Cotter Fric	Splint Sokka	4X40 DIN94 ZN	1

# VARIO 121

Hydraulic cylinder – Hydraulik Zylinder

Cylindre hydraulique – Vetolaitteen hydraulisylinteri Ø63/20–40



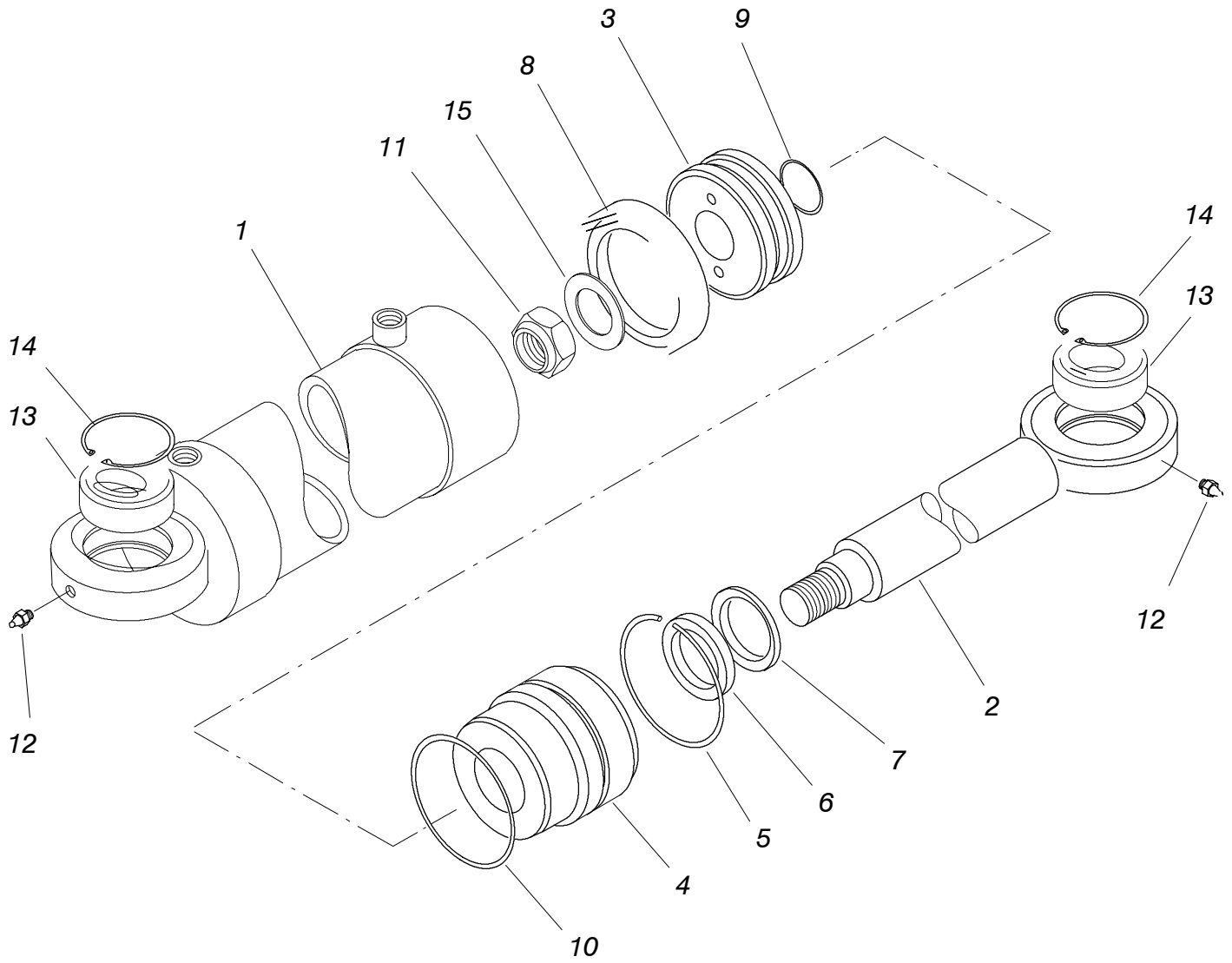
Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Bezeichnung Désignation Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
	56097320	Hydraulic cylinder Cylindre hydraulique	Hydraulik Zylinder Hydraulisylinteri	Ø63/20–40
1.	58222100	Piston rod Tige de piston	Kolbenstange Männänvarsi	1
2.	58222110	Cylinder tube Tube du vérin	Zylinderrohr Sylinteriputki	1
3.	58222120	Guide Guide	Führung Ohjain	1
4.	58222130	Piston Piston	Kolben Mäntä	1
5.	58217894	Spring Ressort	Feder Työkälujousi	1
6.	54591052	Bearing Palier	Lager Nivellaakeri	2
7.		Seal Joint	Dichtung Varrentiiviste	1
8.		Seal ring Anneau d'étanchéité	Dichtung Luovutin	1
9.		O-ring Joint torique	O-ring O-rengas	1
10.		O-ring Joint torique	O-ring O-rengas	1
11.		Piston seal Joint de piston	Kolbendichtung Männäntiiviste	1
12.	52231073	Circlip Circlips	Sicherungring Reikävarmistin	42 DIN472 2
13.	58218272	Seal kit Serie de joints	Dichtungsatz Tiivistesarja	incl. parts: 7 – 11 1
14.	52401023	Grease nipple Graisseur	Schmiernippel Rasvanippa	AM6 2



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# VARIO 121

56044803 . Ø63/36-230 Hydraulic cylinder – Hydraulik zylinder  
Cylindre hydraulique – Hydraulisylinteri



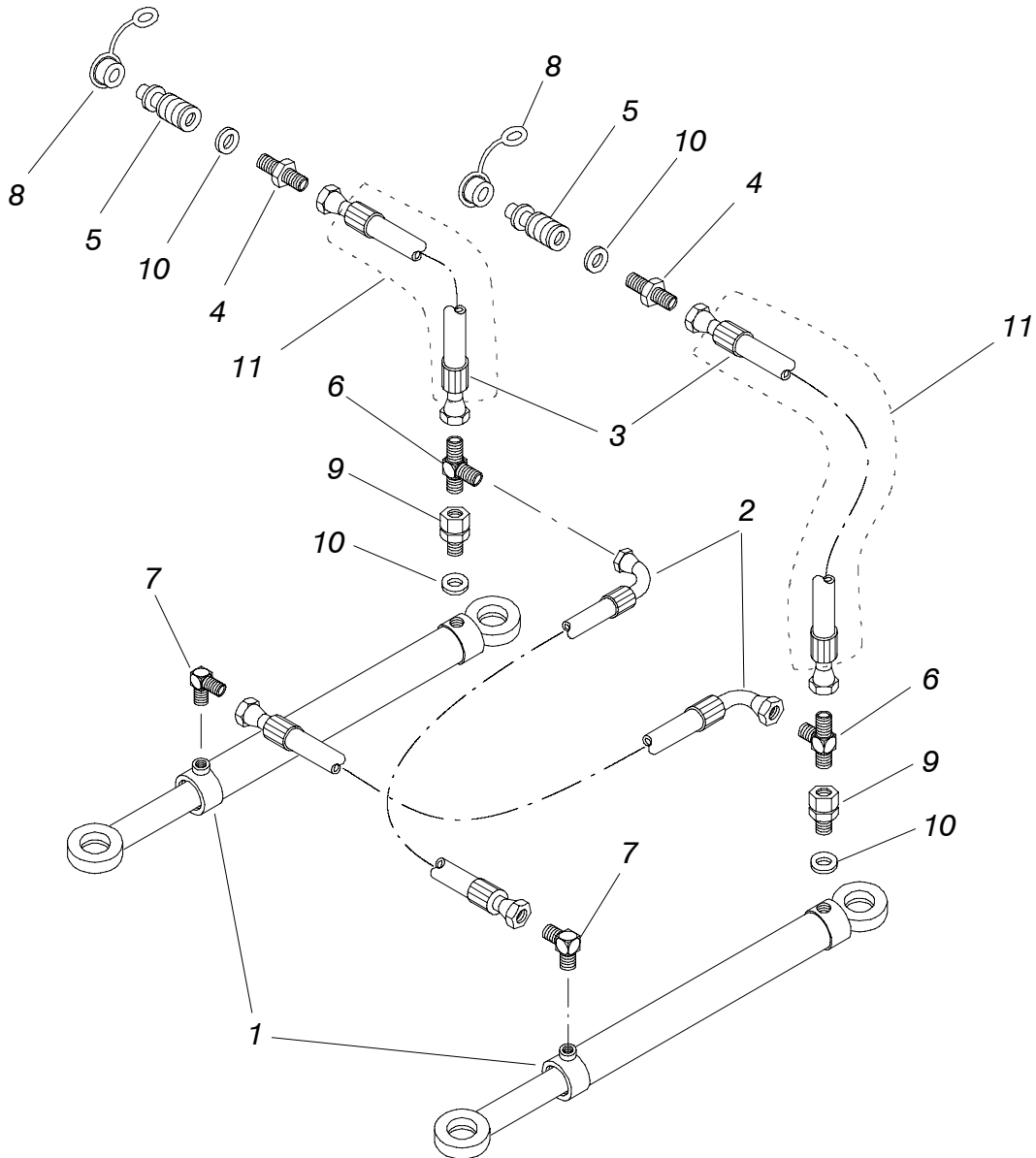


# VARIO 121

Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Désignation	Bezeichnung Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
	56044803	Hydraulic cylinder Cylindre hydraulique	Hydraulikzylinder Hydraulisylinteri	ø63/36-230	
1.	33300971	Cylinder tube Tuyau de cylindre	Zylinderrohr Sylinteriputki		1
2.	43300946	Piston rod Tige de piston	Kolbenstange Männänvarsi		1
3.	42842799	Piston Piston	Kolben Mäntä		1
4.	33091208	Guide Guide	Führung Ohjain		1
5.	42842815	Lock ring Verrouillage	Schlossring Lukkorengas		1
6.		Seal ring Joint	Dichtungsring Tiivisterengas		1
7.		Seal ring Joint	Dichtungsring Tiivisterengas		1
8.		Piston seal Joint de piston	Kolbendichtung Männäntiiviste		1
9.		O-ring O-bague	O-Ring O-rengas		1
10.		O-ring O-bague	O-Ring O-rengas		1
11.	52111085	Nut Écrou	Mutter Mutteri	M20x2 DIN936 8.8ZN	1
12.	52401015	Grease nipple Graisseur	Schmiernippel Rasvanippa	AR1/8"	2
13.	54591078	Link bearing Palier	Gelenklager Pallonivellaakeri		2
14.	52231099	Circlip Circlips	Sicherungsring Reikävarmistin	47x1,75 DIN472	2
15.	43222843	Lock plate Plaque de verrouillage	Schlossscheibe Lukituslevy		1
16.	52356771	Seal kit Serie de joints	Dichtungssatz Tiivistesarja	incl. parts: 6 - 10	1

# VARIO 121

03300936 . Hydraulic steering, compl. – Hydraulische steuerung, komplet  
Direction hydraulique, compl. – Hydraulinen aisaohjaus, koonta

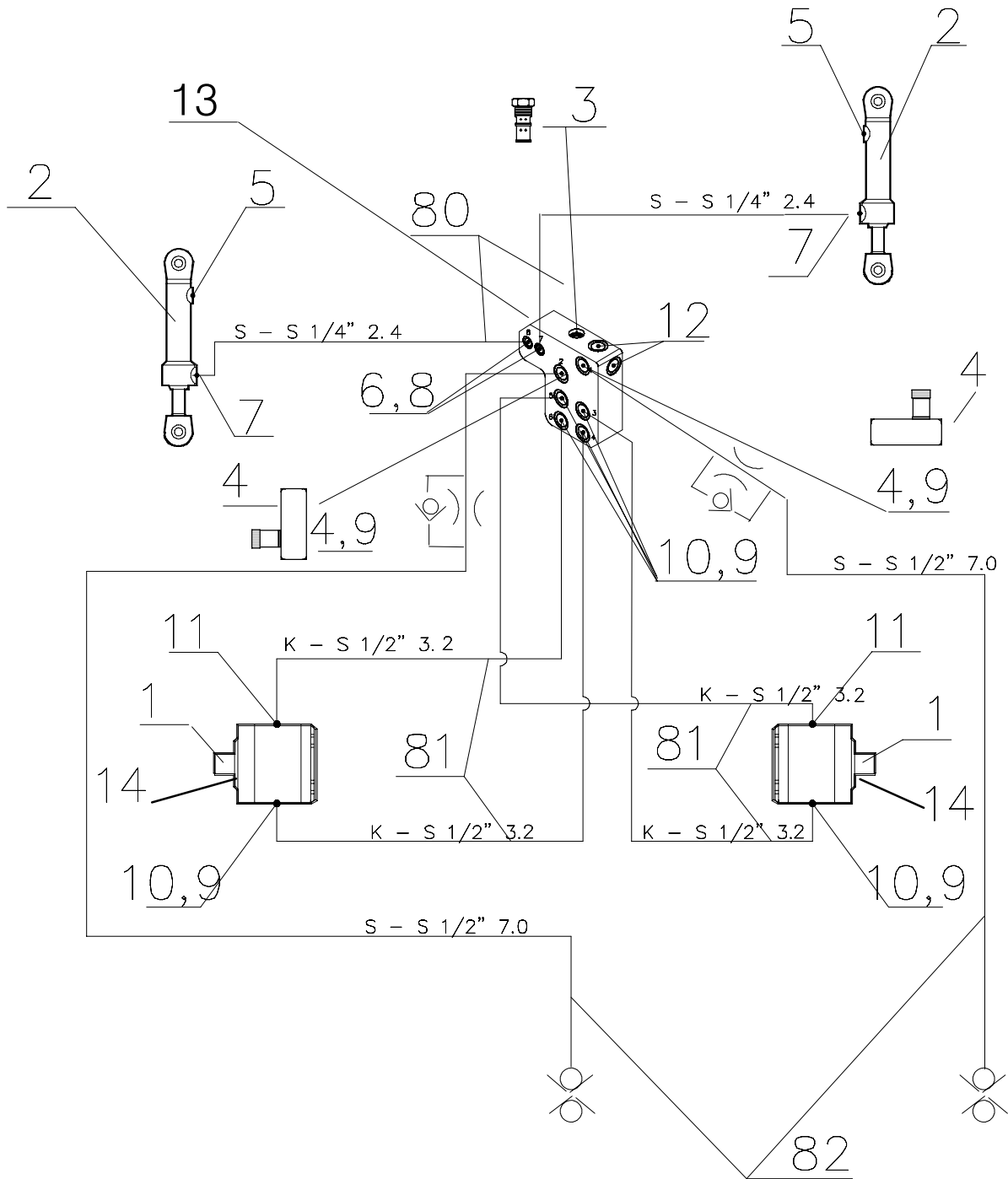


# VARIO 121

Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Désignation	Bezeichnung Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
	03300936	Hydraulic steering Direction hydraulique	Hydraulische steuerung Hydraulinen aisaohjaus	HAO	
1.	56044803	Hydraulic cylinder Cylindre hydraulique	Hydraulikzylinder Hydraulisyylinteri	ø63/36-230	2
2.	56522097	Hose assembly Ensemble de tuyaux	Schlauchsatz Letkuasetelma	K3/8" S L=0,7 m	2
3.	56520307	Hose assembly Ensemble de tuyaux	Schlauchsatz Letkuasetelma	S3/8" S L=2,5m	2
4.	52432010	Double fitting Double embout	Doppelnippel Kaksoisnippa	R3/8" - 1/2"	2
5.	52449022	Quick fitting Accouplement rapide	Schnappkupplung Pikaliitinnippa	R1/2"	2
6.	52443678	T-fitting Raccord T	T-Nippel T-nippa	R3/8"	2
7.	52442357	Angle fitting Raccord d'angle	Winkelnippel Kulmanippa	RK3/8" - R3/8" 90°	2
8.	54922141	Cap Capuchon	Schutzstopfen Suojahattu		2
9.	52435765	Connecting fitting Raccord de connexion	Verbindungs-nippel Yhdysnippa	R3/8"	2
10.	52390556	Seal ring Anneau d'étanchéité	USIT-ring Tiivisterengas	17,4x24,0x1,5	2
11.	54921473	Hose protection Protection de flexible	Schlauchschutz Letkusuoja	7,5 m	2

# VARIO 121

## VARIO 4WD HYDRAULICS – HYDRAULIK – HYDRAULIQUE – HYDRAULIIKKA

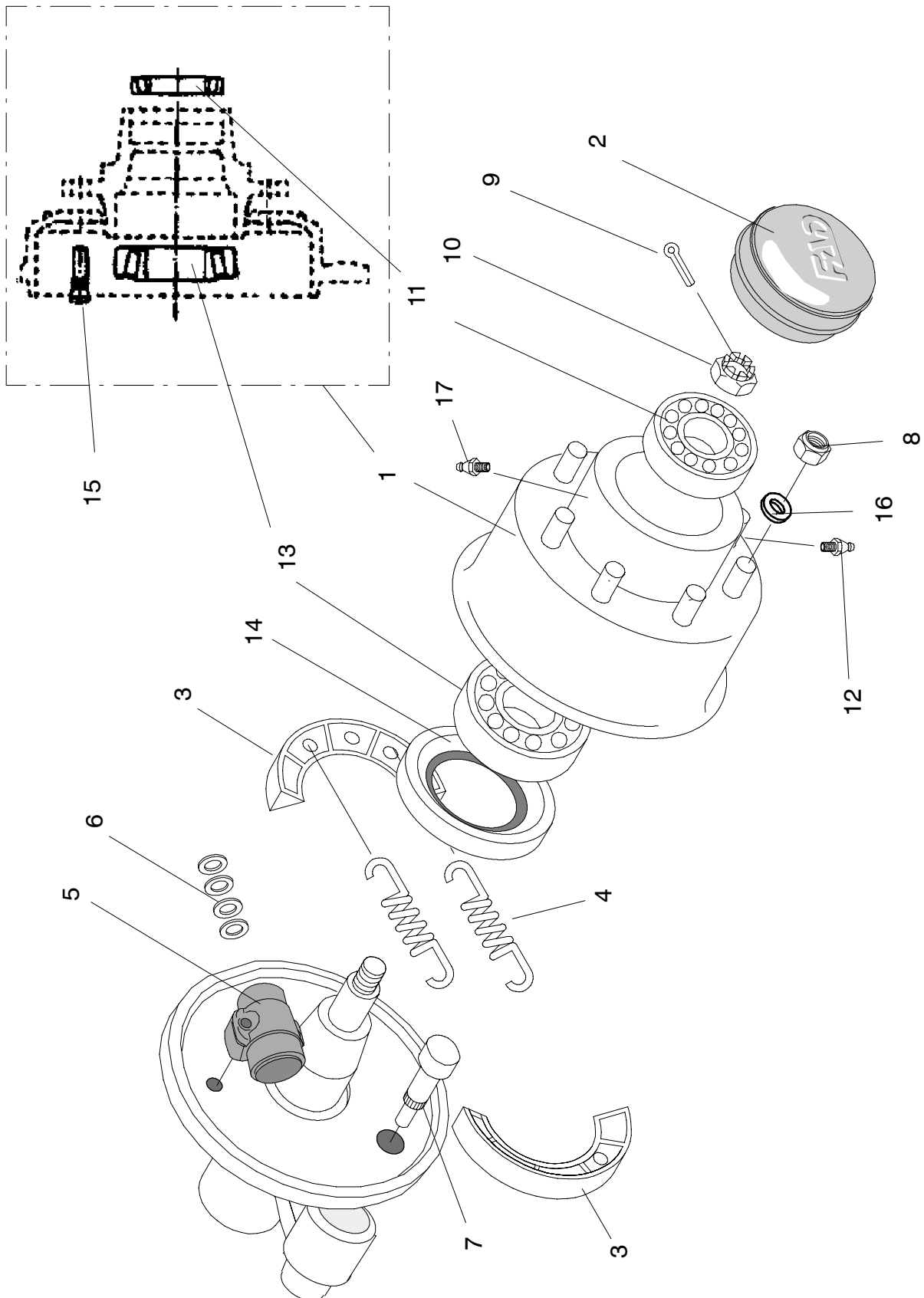


# VARIO 121

Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Désignation	Bezeichnung Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
1. . . .	56028850 . . . . .	Hydraulic motor . . . . . Moteur hydraulique . . . . .	Hydraulikmotor . . . . . Hydraulimoottori		2
2. . . . .	56097320 . . . . .	Hydraulic cylinder . . . . . Cylindre hydraulique . . . . .	Hydraulikzylinder . . . . . Hydraulisylinteri		2 . . . . .
3. . . . .	56075294 . . . . .	Counter valve . . . . . Contre-soupape . . . . .	Wechselgegenventil . . . . . Vaihtovastaventtiili		1 . . . . .
4. . . . .	56013238 . . . . .	Restrictor valve . . . . . Soupape du dispositif de restriction	Verstellbar Rückschlagventil . . . . . Vastusvastaventtiili		2 . . . . .
5. . . . .	52443314 . . . . .	Breather valve . . . . . Respirateur . . . . .	Entlüfter . . . . . Huohotin		2 . . . . .
6. . . . .	52432101 . . . . .	Double fitting . . . . . Double embout . . . . .	Doppelnippel . . . . . Kaksoisnipppa	R1/4"	2 . . . . .
7. . . . .	52442761 . . . . .	Angle nipple . . . . . Embout coudé . . . . .	Vinkelnippel . . . . . Kulmanippa	R1/4"	2 . . . . .
8. . . . .	52391034 . . . . .	Usit-ring . . . . . Bague usit . . . . .	Usit-Dichtung . . . . . Usit-rengas		3 . . . . .
9. . . . .	52390200 . . . . .	Usit-ring . . . . . Bague usit . . . . .	Usit-Dichtung . . . . . Usit-rengas		10 . . . . .
10. . . .	52432051 . . . . .	Double fitting . . . . . Double embout . . . . .	Doppelnippel . . . . . Kaksoisnipppa	R1/2"	6 . . . . .
11. . . .	52442365 . . . . .	Angle nipple . . . . . Embout coudé . . . . .	Vinkelnippel . . . . . Kulmanippa	R1/2" - R1/2"	2 . . . . .
12. . . .	52080207 . . . . .	Plug . . . . . Bouchon . . . . .	Stopfen . . . . . Tulppa	R1/2"	2 . . . . .
13. . . .	52081130 . . . . .	Plug . . . . . Bouchon . . . . .	Stopfen . . . . . Tulppa	R1/4"	1 . . . . .
14. . . .	44092110 . . . . .	Terminal block . . . . . Bloc de connexions . . . . .	Kontaktblock . . . . . Kytkentälohko		1 . . . . .
15. . . .	44092110 . . . . .	Hose assy . . . . . Ensemble de tuyaux . . . . .	Schlauchsatz . . . . . Letkuasetelma	compl, incl. parts 16-17 . . . . .	1 . . . . .
16. . . . .		Hose assy . . . . . Ensemble de tuyaux . . . . .	Schlauchsatz . . . . . Letkuasetelma		2 . . . . .
17. . . . .		Hose assy . . . . . Ensemble de tuyaux . . . . .	Schlauchsatz . . . . . Letkuasetelma		4 . . . . .
18. . . .	04092910 . . . . .	Hose assy+quick coupling . . . . . Ensemble de tuyaux+accouplement rapide . . . . .	Schlauchsatz+Schnellkupplung . . . . . Letkuasetelma+pikaliitin	S1/2" S L=7,0 m . . . . .	2 . . . . .

# VARIO 121

54843388 Hub, with brake, 8-bolts, compl. – Nabe, mit Bremse, 8-Bolzen, komplet.  
Moyeu, avec frein, 8 boulons, compl. – Jarrullinen napa 8-pulttinen, koonta

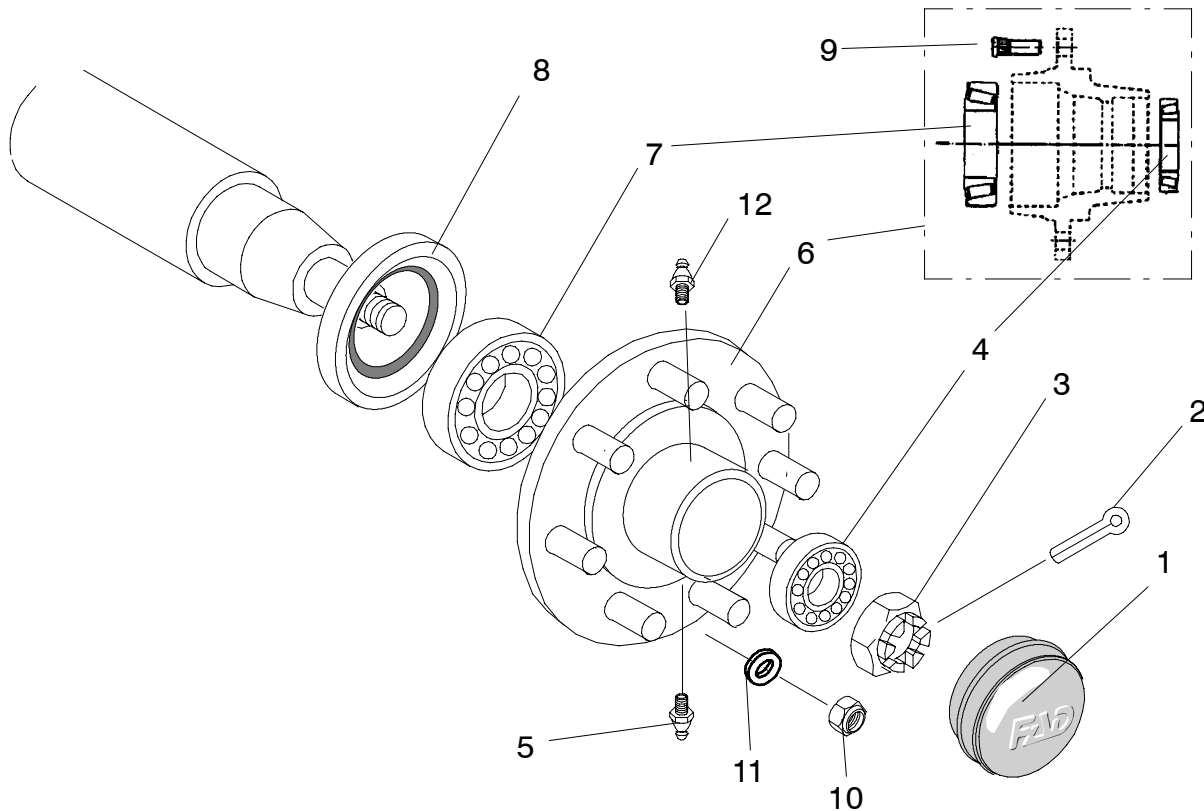


# VARIO 121

Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Désignation	Bezeichnung Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
1. ...	58218157	Brake drum Tambour de frein	Bremstrommel Jarrurumpu	incl. parts. 11, 14, 15	1
2. ....	58218058	Dust cover Couvercle du tambour	Schutzkappe Pölysuoja		1
3. ....	58218082	Brake shoe Mâchoire de frein	Bremsbacke Jarrukenkä		2
4. ....	58218090	Spring Ressort	Feder Jousi		2
5. ....	58218124	Brake cylinder Cylindre de frein	Bremszylinder Jarrusylinteri		1
6. ....		O-ring O-bague	O-ring O-rengas		4
7. ....	58218018	Brake axle Essieu de frein	Bremsachse Jarruakseli		1
8. ....	58218074	Nut Écrou	Mutter Mutteri		8
9. ....	52813193	Split pin Goupille fendue	Scherensplint Saksisokka	6,0 x 60	1
10. ...	58218041	Castle nut Écrou crénelé	Kronenmutter Kruunumutteri		1
11. ...	58218017	Bearing Palier	Lager Kuulalaakeri		1
12. ...	58220658	Grease nipple Graisseur	Schmiernippel Rasvanippa	M8	1
13. ...	58218025	Bearing Palier	Lager Kuulalaakeri		1
14. ...	58218033	Seal plate Plaque d'étanchéité	Dichtung Tiivistelevy		1
15. ...	58218066	Bolt Boulon	Bolzen Pultti		8
16. ...	58218132	Washer Rondelle	Scheibe Aluslevy		8
17. ...	58218751	Bleed screw Vis de purge	Entlüftungsnippel Ilmausruuvi	M8	1

# VARIO 121

54843370 Hub, without brake, 8-bolts, compl. – Nabe, ohne Bremse, 8-Bolzen, komplet.  
Moyeu, sans frein, 8 boulons, compl. – Napa jarruton 8-pulttinen, Koonta

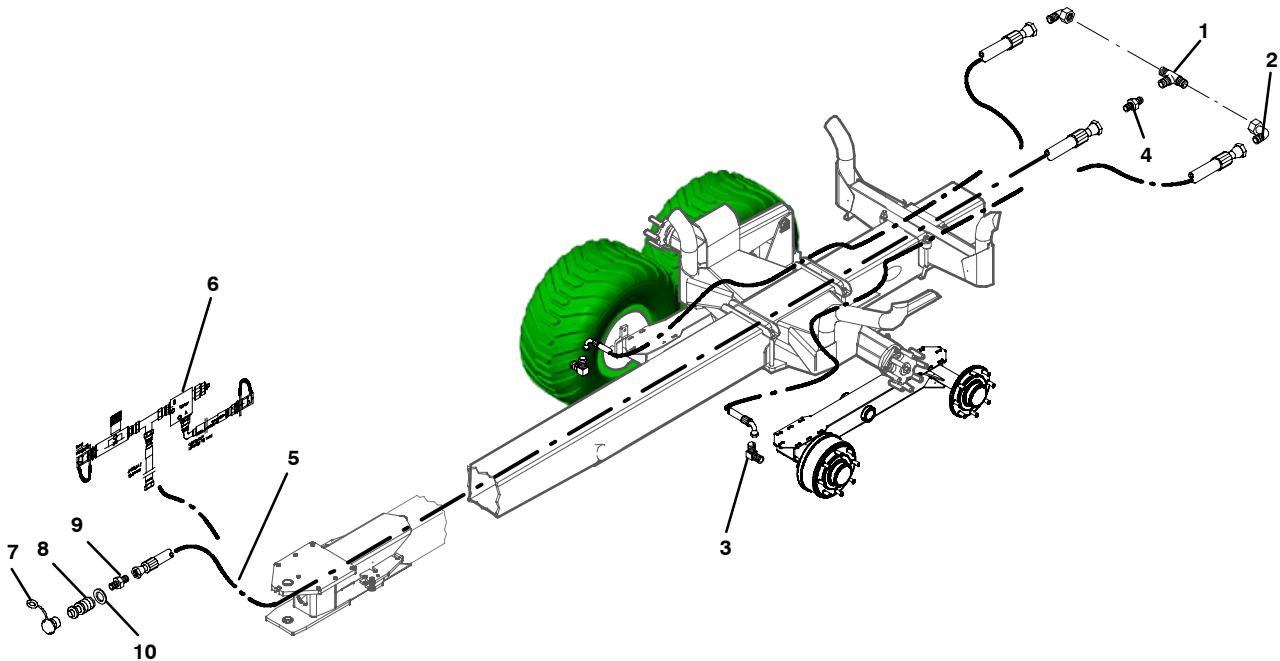


Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilausnumero	Description Bezeichnung Désignation Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
1. ....	58218058	Dust cover Couvercle pare-poussière	Schutzkappe Pölysuoja	1
2. ....	52813193	Split pin Goupille fendue	Scherensplint Saksisokka	6,0 x 60 1
3. ....	58218041	Castle nut Ecrou crénelé	Kronenmutter Kruunumutteri	M45X2 1
4. ....	58218017	Bearing Palier	Lager Kuulalaakeri	1
5. ....	58220658	Grease nipple Graisseur	Schmiernippel Rasvanippa	1
6. ....	81734576	Housing Carter	Gehäuse Laakeripesä	incl. parts. 4, 7, 9 1
7. ....	58218025	Bearing Palier	Lager Kuulalaakeri	1
8. ....	58218033	Seal plate Plaque d'étanchéité	Dichtung Tiivistelevy	1
9. ....	58218165	Bolt Boulon	Bolzen Pultti	M20X1,5 8
10. ....	58218074	Nut Écrou	Mutter Mutteri	M20X1,5 8
11. ....	58218132	Washer Rondelle	Scheibe Aluslevy	34/20.5x8 8
12. ....	58218751	Bleed screw Vis de purge	Entlüftungsnippel Ilmausruvi	M8 1



# VARIO 121

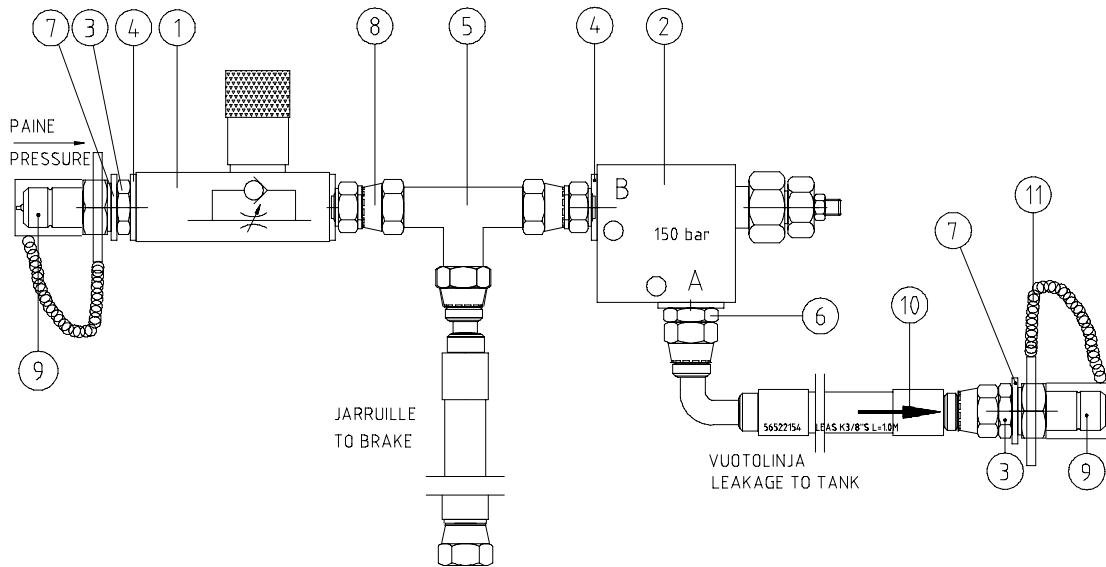
04074140 VARIO 121 HYDRAULIC BRAKES, accessory  
 VARIO 121 HYDRAULISCHE BREMSE, Zubehör  
 FREINS HYDRAULIQUES VARIO 121, accessoire  
 VARIO 121, HYDRAULIJARRUT, lisävaruste



Part Teil Pièce Osa	Order No. Best Nr. No. de ordre Tilanusnumero	Description Désignation	Bezeichnung Osan nimi	Remarks Obs Obs Huom.	Pc St. Pc Kpl
1. ....	52435880	T-fitting Raccord T	T-nippel Mittarinippa	R1/4"	1
2. ....	52442761	Angle nipple Raccord d'angle	Winkelnippel Kulmanippa	R1/4"	1
3. ....	52442340	Angle nipple Raccord d'angle	Winkelnippel Kulmanippa	RK1/4"	2
4. ....	52432119	Double fitting Raccord double	Doppelnippel Kaksoisnippa	R1/4" – R3/8"	1
5. ....	04092610	Hose assy Ensemble de tuyaux	Schlauchsatz Jarruletkusarja		1
6. ....	43309530	Brake pressure limiter (optional) Limiteur de pression de freinage (en option)	Bremsdruckbegrenzer (option) Jarrupaineen rajoitus (lisävaruste)		1
7. ....	54922141	Cap Capuchon	Schutzstopfen Suojahattu		1
8. ....	52449022	Quick fitting Accouplement rapide	Schnappkupplung Pikaliitinnippa		1
9. ....	52432010	Double fitting Raccord double	Doppelnippel Kaksoisnippa	R3/8"-R1/2"	1
10. ....	52390200	U-sit-ring Usit-bague	Usit-Ring Usit-rengas		1

# VARIO 121

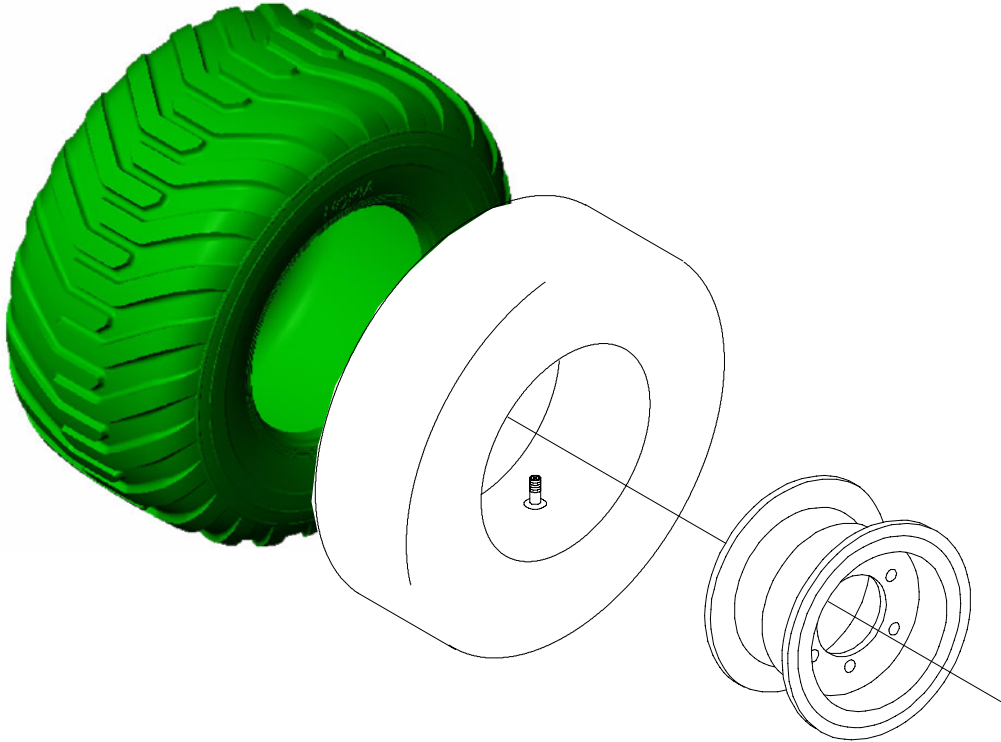
**43309530 . Brake pressure limiter, compl. – Bremsdruckbegrenzer, komplet.**  
**Limiteur de pression de freinage, compl. – Jarruvoiman säätö, koonta**



Part	Order No.	Description	Remarks	Pc
Teil	Best Nr.	Bezeichnung	Obs	St.
Pièce	No. de ordre	Désignation	Obs	Pc
Osa	Tilanusnumero	Osan nimi	Huom.	Kpl
1.	56013212	Restrictor valve Soupape du dispositif de restriction Vastusvastaventtiili	Rückschlagventil R3/8"	1
2.	56043599	Pressure relief valve Soupape de décharge Painerajaventtiili	Druckventil	1
3.	52432010	Double fitting Raccord double Kaksoisnippa	R3/8" – 1/2"	2
4.	52390556	Usit – ring Anneau d'étanchéité Usit – rengas	U17, 4x24,0x1,5	4
5.	52443678	T – fitting Raccord T T – nippa	R3/8"	1
6.	52432028	Double fitting Raccord double Kaksoisnippa	R3/8"	1
7.	52390200	Usit – ring Anneau d'étanchéité Usit – rengas	U21,5x28,7x2,5	2
8.	52435765	Connecting fitting Raccord de connexion Yhdysnippa	Verbindungsnippel R3/8"	2
9.	52449022	Quick fitting Accouplement rapide Pikaliitinnippa	Schnappkupplung R1/2"	2
10.	40140345	Tape Ruban Teippi	Aufkleber	1
11.	54922141	Cap Bouchon Suojahattu	1/2"	2

# VARIO 121

Tyres, compl. – Reifen, komplet – Tuyau de cylindre – Rengas, koonta



Part	Order No.	Description	Remarks	Pc
Teil	Best Nr.		Obs	St.
Pièce	No. de ordre	Désignation	Obs	Pc
Osa	Tilanusnumero	Osan nimi	Huom.	Kpl
1. ....	- .....	Tyres, compl. .... Tuyau de cylindre ....	Reifen, komplet ..... Rengas, koonta	16/70-20 TT PR14 ..... 1
2. ....	- .....	Tyres, compl. .... Tuyau de cylindre ....	Reifen, komplet ..... Rengas, koonta	550/45-22,5 F328, PR16 ... 1
3. ....	- .....	Tyres, compl. .... Tuyau de cylindre ....	Reifen, komplet ..... Rengas, koonta	500/60-22,5 F328, PR16 ... 1
4. ....	- .....	Tyres, compl. .... Tuyau de cylindre ....	Reifen, komplet ..... Rengas, koonta	600/50-22,5 F328, PR16 ... 1



A series of horizontal dashed lines for handwriting practice, arranged in 20 rows across the page.

# GUARANTEE

**FARMI Forest** products are guaranteed to be free from defects in materials and workmanship for 12 months from the date of purchase.

This warranty does not cover defects resulting from:

- misuse of the product
- inadequate maintenance
- modifications of the product made without the manufacturer's consent

The warranty is effective only, if the lower portion of this page is completed and returned to the manufacturer within 14 days of receipt of the product..

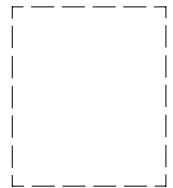
## Important

Before putting your FARMI to use, be sure to read the instruction and service booklet provided with the machine

**Farmi Forest Corporation**

**Ahmolantie 6**

**74510 IISALMI**



**Farmi Forest Corporation**

Ahmolantie 6

FIN-74 510 IISALMI

FINLAND



Date of delivery: \_\_\_\_ / \_\_\_\_ 20 \_\_\_\_

Dealer: \_\_\_\_\_

Dealer's address: \_\_\_\_\_

Dealer's tel: \_\_\_\_\_

Product and type: \_\_\_\_\_

Serial number: \_\_\_\_\_



Return to the manufacturer

Date of delivery: \_\_\_\_ / \_\_\_\_ 20 \_\_\_\_

Dealer: \_\_\_\_\_

Dealer's address: \_\_\_\_\_

Dealer's tel: \_\_\_\_\_

Customer: \_\_\_\_\_

Customer's address: \_\_\_\_\_

Customer's tel: \_\_\_\_\_

Product and type: \_\_\_\_\_

Serial number: \_\_\_\_\_

Notes: \_\_\_\_\_

\_\_\_\_\_





# FARMI®

Forest  
Made in Finland

