



RECEIVER MOUNT SYSTEM

Code 84.1000 / 84.1050

Version 20102025



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USER MANUAL



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Keep this manual for future reference!

If you need any spare parts, please send this packaging data to your local dealer or to Iron Baltic
sales@ironbaltic.com

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EC DECLARATION OF CONFORMITY

Manufactured by: Iron Baltic OÜ

Address: Joa tee 17, Vääna 76903

Product: **RECEIVER MOUNT SYSTEM**

Type: **50 mm / 2" receiver**

Model: **84.1000 / 84.1050**

Optional extras:

- 84.2000 – Disc harrow set for receiver mount system
- 84.3000 – Scrape blade set for receiver mount system
- 84.4000 – Cultivator set for receiver mount system
- 84.5000 – Landscape rake set for receiver mount system
- 84.6000 – Tine dethatcher set for receiver mount system
- 84.7000 – Drag harrow set for receiver mount system
- 84.12000 – Broom set for receiver mount system
- 84.13000 – Equipment box set for receiver mount system
- 84.14000 – Log support set for receiver mount system
- 84.15000 – Roller set for receiver mount system
- 84.16000 – Reel holder set for receiver mount system
- 84.18000 – Rake set for receiver mount system
- 84.19000 – Plug aerator set for receiver mount system
- 84.21000 – Support wheel set for receiver mount system
- 84.22000 – Plough set G2 for receiver mount system
- 84.23000 – Ridge plough set G2 for receiver mount system
- 84.24000 – Potato harvester set G2 for receiver mount system

Hereby we confirm that this product is in conformity with the requirements of Directive **2006/42/EC**, applicable to the safety and functionality of machinery, regarding the replaceable equipment and it is in compliance with the standard **EN12100** Safety of machinery – General principles for design – Risk assessment and risk reduction.

In witness whereof CE marking is attached to the product.

Place and date of issue of the declaration: Vääna, 20.10.2025



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Tiit Norak
Member of the Board

INTRODUCTION

Thank you for choosing an Iron Baltic product. This manual contains the technical details of the receiver mount system and the tools installed on it, also instructions how to assemble, operate and maintain the products safely. Impractical use of the product can cause economic damage and personal injury, so it is very important that the person who is using the product reads and uses this manual in accordance with the requirements. Any misuse of the product will release the manufacturer from liability for any damage or expense incurred.

NOTE: Photos and drawings in this manual may not necessarily depict the actual models of products or their accessories. They are merely given as a frame of reference and are based on the latest available information at the time of publication.



This symbol is used throughout the manual and on warning signs in order to warn users of the potential for serious injury. Before using the vehicle and the product, carefully read the safety instructions and make sure that you have understood them. Follow all instructions and ensure that everyone who uses the equipment follows them!



Receiver mount system and hardware are designed with safety in mind. In order to protect you and your ATV, certain parts of the product and/or its hardware may fail when equipment is over-stressed. For this reason, these are not covered by warranty.

Keep this manual for future reference.

Based on the specifications for your model, please check that you have received all of the parts for your particular set.

SAFETY INSTRUCTIONS

Most accidents occur due to negligence or carelessness. Avoid unnecessary accidents and follow the safety instructions given below.

TRAINING

- Read thoroughly the safety instructions and terms of use. Be sure you are able to use the vehicle, the receiver mount system and its tools safely.
- Never allow children to operate the vehicle or product.
- Neither the vehicle nor product can be used while drunk nor under the influence of drugs that affect perception or reaction.
- Do not allow bystanders, children or animals into the work zone.
- Be aware that the installed receiver mount system may change the vehicle's handling and manoeuvrability.



PROHIBITIONS

- Never operate on steep slopes with the installed receiver mount system.
- Never use the receiver mount system unless all of the parts are correctly installed.
- Never use the receiver mount system before you have carefully read the entire user manual.
- Never exceed the speed limit of 10 km/h when operating with the receiver mount system.
- Never carry people on the receiver mount system and on its tools.
- Never mount accessories on the receiver mount system that are not approved by the manufacturer.
- Never work under a raised receiver mount system unless it is previously supported.
- Never use the receiver mount system in case the load, having an influence on the receiver exceeds the load allowed by the manufacturer of the vehicle.

COMPULSORY TASKS

- Follow every instruction given by the ATV / UTV manufacturer.
- Do not exceed the force, having an influence on the receiver what is recommended by the ATV / UTV manufacturer.
- Always use proper protective equipment (helmet etc.) when using the vehicle
- Make sure that bystanders are at a safe distance when operating the receiver mount system.
- Clear the working zone from the potentially dangerous elements.
- Make sure that all safety labels are in good condition. In case of need replace the damaged labels for new ones.
- Slow down when working on a slope or on uneven surface.
- Be careful when braking and turning, the braking distance and turning radius increase due to the extra weight at the rear of the vehicle.
- Safe road-steadiness of the vehicle must always be ensured by using correct accessories for the task in hand (chains, counterbalances, etc.).
- Always make sure that all components are installed correctly
- Use the minimum compressive force when working - too much force will lift the rear of the vehicle and reduce traction. It can also cause an excessive load to the vehicle frame.
- Take periodic breaks to prevent the vehicle from overheating when working.
- Check the tightness of the bolts after the first hour of operation and every ten hours afterwards.
- When you have finished working, stop the vehicle engine, apply the parking brake and lower the receiver mount system.
- Avoid getting your hands and feet between the parts of the equipment.



IF ANYTHING THAT MIGHT DAMAGE THE EQUIPMENT HAPPENS DURING OPERATION, THE EQUIPMENT MUST BE INSPECTED TO DETECT AND ASSESS POSSIBLE DAMAGES. DAMAGES (FRACTURES IN THE STRUCTURE OR WELD, DEFORMED DETAILS) MAY HARM THE PROPERTY AND HEALTH OF PEOPLE. DO NOT CONTINUE OPERATING THE EQUIPMENT BEFORE ELIMINATION OF DAMAGES.



BEFORE STARTING TO WORK, CHECK THAT THE RECEIVER MOUNT SYSTEM AND ITS TOOLS ARE TECHNICALLY IN ORDER AND CONNECTED PROPERLY TO THE ATV RECEIVER.

SAFETY LABELS

Safety labels must be placed on your receiver mount system. If any of these labels is missing or damaged, contact your dealer to replace the missing labels before using the equipment.

Meaning of safety labels

	Read the manual before use!
	Maximum permitted speed 10 km / h!
	It is forbidden to drive on slopes over 10°!
	Make sure that all bystanders are at a safe distance while working with the receiver mount system! Risk of collision!
	Avoid getting your hands and feet between moving parts!
	Make sure that all bystanders are at a safe distance while working with the receiver mount system! Risk of flying objects!

PRODUCT DESCRIPTION

Iron Baltic receiver mount system is a device that can be mounted on an ATV or UTV and can be used with a variety of tools for different agricultural work. The receiver mount system attaches to a 50 mm / 2" receiver and the tools can be adjusted to the working and transport position by raising or lowering the system manually or using an electro-hydraulic cylinder. Installation of various tools to the receiver mount system is quick and easy.

The **disc harrow**, is intended for crushing hard soil, dried grass and lawns, cutting weeds or for other tillage work. The disc harrow consists of two separate sets of discs, the direction of discs can be easily changed by turning them, and the discs on both sides can be adjusted to five different angles (-30°, -15°, 0°, 15°, 30°), allowing the best work result according to your needs.

The **scrape blade** is intended for soil planning or for cleaning various areas from dirt, debris, snow and other materials. The working angle of the scrape blade can be adjusted between five different positions (-20°, -10°, 0°, 10°, 20°). In addition, the scrape blade can be turned over and used to push the materials.

The **cultivator** is intended for weed control or for soil mixing before planting. The cultivator consists of six separate sets of S-tines.

The **landscape rake** is intended for maintenance of various areas, such as paddocks, riding arenas, unpaved driveways, parking lots and for the removal of debris from large areas. The land rake consists of two separate sets of rake tines, each containing ten rake tines, which can be easily reduced as required.

The **tine dethatcher** is intended to remove moss and dried grass to allow air and nutrients to reach the grass roots better and thus ensure a lush, greener lawn.

The **drag harrow** is designed to loosen, smooth and break up larger pieces of soil, making the ground suitable for seed planting.

The **plough** is used for ploughing fields, the purpose of which is to turn over the uppermost soil, so bringing fresh nutrients to the surface, while burying weeds and crop remains to decay, thus preparing the ground for new sowing or planting.

The **ridge plough** is used to split the field into ridges and furrows and for earthing up of crops.

The **potato harvester** is used to pick potatoes and work by lifting the potatoes to ground from the furrow.

The **broom** is used for cleaning various areas like driveways, parking lots, streets, warehouse spaces and others from dirt, snow and other materials.

The **equipment box** is intended to safely store and transport different gear. The box has a durable sheet metal construction.

The **log support** is used for holding logs for cutting or to lift the log to tow it out of the woods.

The **roller** is intended for levelling applications.

The **reel holder** is designed to transport reels and to ease the process of fencing. Up to four reels can be fitted to the reel holder.

The **rake** is an effective tool for clearing hay, leaves, branches and other debris.

The **plug aerator** is intended to relieve soil compaction, to allow water, nutrients and oxygen to reach to the grass roots.

The **support wheel** is intended to prevent the plough digging too deep.

Standard equipment:

- Receiver mount system
- Manual lifting or electro-hydraulic cylinder

Optional equipment:

- Disc harrow
- Scrape blade
- Cultivator
- Landscape rake
- Tine dethatcher
- Drag harrow
- Plough
- Ridge plough
- Potato harvester
- Broom
- Equipment box
- Log support
- Roller
- Reel holder
- Rake
- Plug aerator
- Support wheel
- Plough G2
- Ridge plough G2
- Potato harvester G2

Product	Receiver mount system	
Model	84.1000	84.1050
Lifting device	Manual	Electro-hydraulic
Lifting angle (in relation to ground)	-20° to 75°	-30° to 65°
Weight	28 kg	26 kg
Working width	1500 mm	1500 mm
Dimensions	1500 x 1015 x 250 mm	1500 x 1015 x 250 mm

Table 1: Receiver mount system technical data

Product	Disc harrow
Model	84.2000
Dimensions	1 pc = 625 x 365 x 405 mm (2 pcs in set)
Weight	1 pc = 25 kg (2 pcs in set)
Discs	Ø 365 mm
Working angle	-30° to 30°

Table 2: Disc harrow technical data

Product	Scrape blade
Model	84.3000
Dimensions	1450 x 375 x 430 mm
Weight	27 kg
Max working width	1450 mm
Working angle	-20 ° to 20°

Table 3: Scrape blade technical data

Product	Cultivator
Model	84.4000
Dimensions	1 pc = 185 x 50 x 395 mm (6 pcs in set)
Weight	1 pc = 2,2 kg (6 pcs in set)

Table 4: Cultivator technical data

Product	Landscape rake
Model	84.5000
Dimensions	1 pc = 700 x 380 x 385 mm (2 pcs in set)
Weight	1 pc = 15 kg (2 pcs in set)

Table 5: Land rake technical data

Product	Tine dethatcher
Model	84.6000
Dimensions	1540 x 205 x 355 mm
Working width	1500mm / 59in
Tine length	170mm
Weight	14 kg

Table 6: Tine dethatcher technical data

Product	Drag harrow
Model	84.7000
Dimensions	1500 x 925 x 200 mm
Weight	38,5 kg

Table 7: Harrow technical data

Product	Broom
Model	84.12000
Dimensions	1490 x 525 x 410 mm
Weight	35 kg
Max working width	1490 mm
Working angle	-20 ° to 20°

Table 8: Broom technical data

Product	Equipment box
Model	84.13000
Dimensions	1435 x 475 x 170 mm
Volume	~70L
Weight	17 kg

Table 9: Equipment box technical data

Product	Log support
Model	84.14000
Dimensions	565 x 324 x 367 mm
Max. log diameter	180mm / 7in
Weight	8.5 kg

Table 10: Log support technical data

Product	Roller
Model	84.15000
Dimensions	1440 x 335 x 455 mm
Weight	28 kg
Roller size	Ø 315 mm

Table 11: Roller technical data

Product	Reel holder
Model	84.16000
Dimensions	730 x 300 x 610 mm
Weight	10 kg
Max reel size	4x max diameter 300mm / width 270mm

Table 12: Reel holder technical data

Product	Rake
Model	84.18000
Dimensions	1525 x 465 x 290 mm
Working width	1500mm / 59in
Tine length	170mm
Weight	15.4 kg

Table 13: Rake technical data

Product	Plug aerator
Model	84.19000
Dimensions	1440 x 340 x 455 mm
Working width	1250mm / 48in
Weight	21 kg

Table 14: Plug aerator technical data

Product	Support wheel
Model	84.21000
Dimensions	480 x 400 x 150 mm
Weight	17 kg

Table 15: Support wheel technical data

Product	Plough G2
Model	84.22000
Dimensions	460 x 260 x 160 mm
Weight	7 kg

Table 16: Single bottom plow G2 technical data

Product	Ridge plough G2
Model	84.23000
Dimensions	460 x 270 x 160 mm
Weight	9.9 kg

Table 17: Two bottom plow G2 technical data

Product	Potato harvester G2
Model	84.24000
Dimensions	590 x 500 x 220 mm
Weight	8.7 kg

Table 21: Potato plow G2 technical data

OPERATING INSTRUCTIONS

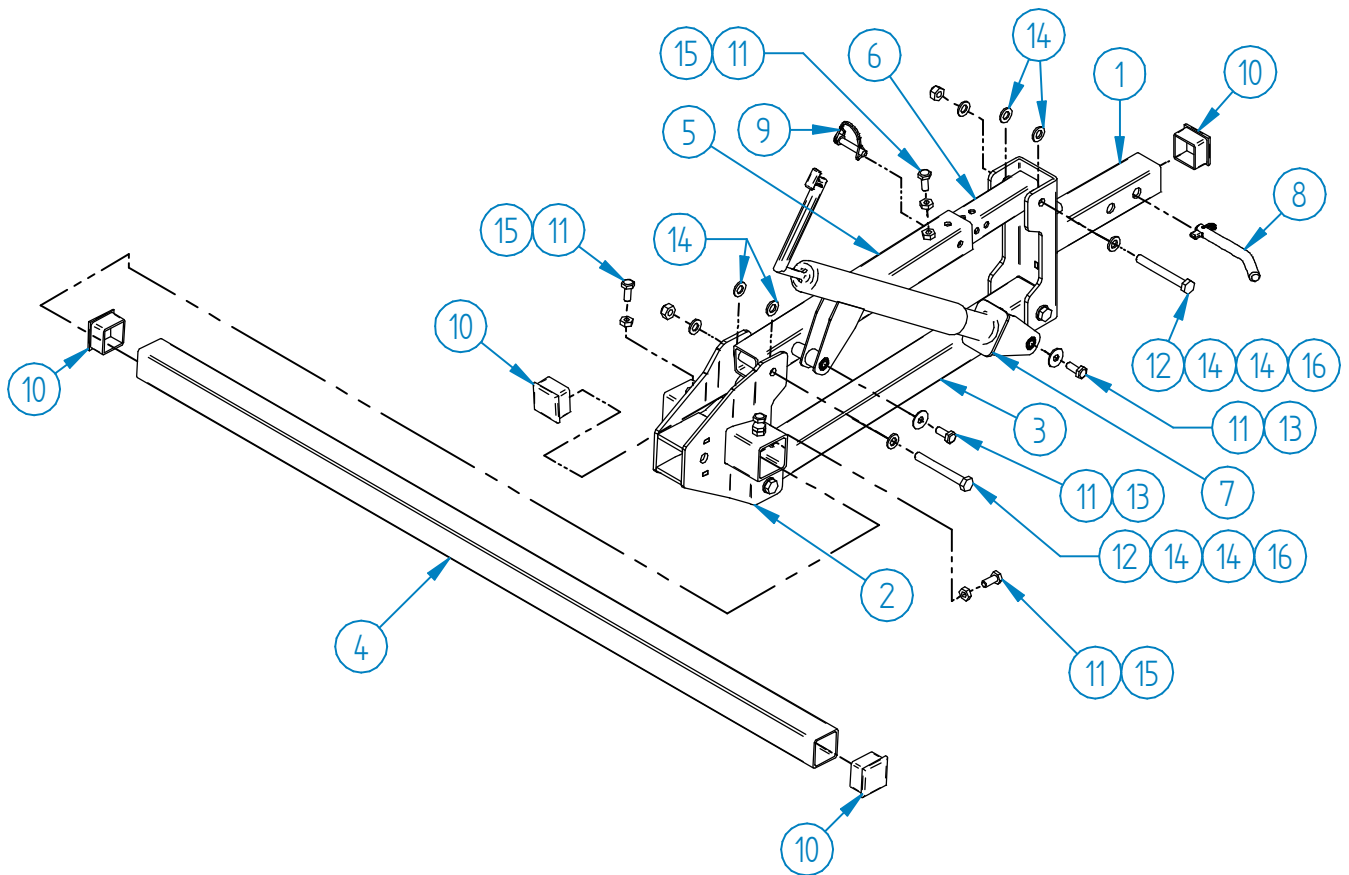
- Read the safety instructions before using the device!
- Before using the device make sure that the receiver mount system is securely attached to the receiver.
- Before starting to work make sure that the tools are securely attached to the receiver mount system.
- Before starting to work with the device, make sure that there is enough clearance between receiver mount system, tools, vehicle and any other parts in every possible position.
- Use the minimum compressive force for working. For harder soils make several passes with a smaller cutting depth.
- Instructions for installing tools can be found in the assembly guide for the respective tool (see chapter 7-18)

MAINTENANCE

Maintenance operation:	Before and after work	Once a week	Once a month	Once a season
Receiver mount system and tools cleaning	•	•	•	•
Inspection of receiver and tool mounting bolts	•	•	•	•
Visual inspection of the attachments of the parts	•	•	•	•
Inspection of the condition of all connecting pieces		•	•	•
Inspection of safety labels		•	•	•
Inspection of metal parts wear			•	•

MANUAL RECEIVER MOUNT SYSTEM (84.1000) ASSEMBLY INSTRUCTION

Pos.	Description	Code	Amount
1	Receiver mount	84.1001K	1
2	Tool holder	84.1004K	1
3	Long diagonal tube	84.1007K	2
4	Tool holder tube	84.1010	1
5	Short diagonal tube	84.1015K	1
6	Extension for shorter diagonal tube	84.1016K	1
7	Manual lifting kit	14.10400	1
8	Pin Quicklock	OT.53.00.045	1
9	Spring loaded pin 10x60	OT.10.11.011	1
10	Tube cap 50x50	OT.10.07.020	6
11	Bolt M10x25 DIN933	OT.02.02.317	7
12	Bolt M12x100 DIN931	OT.02.01.122	4
13	Washer Ø10 DIN9021	OT.04.02.050	2
14	Washer Ø12 DIN125	OT.04.01.050	16
15	Nut M10 DIN934	OT.03.01.040	5
16	Nyloc nut M12 DIN985	OT.03.02.060	4

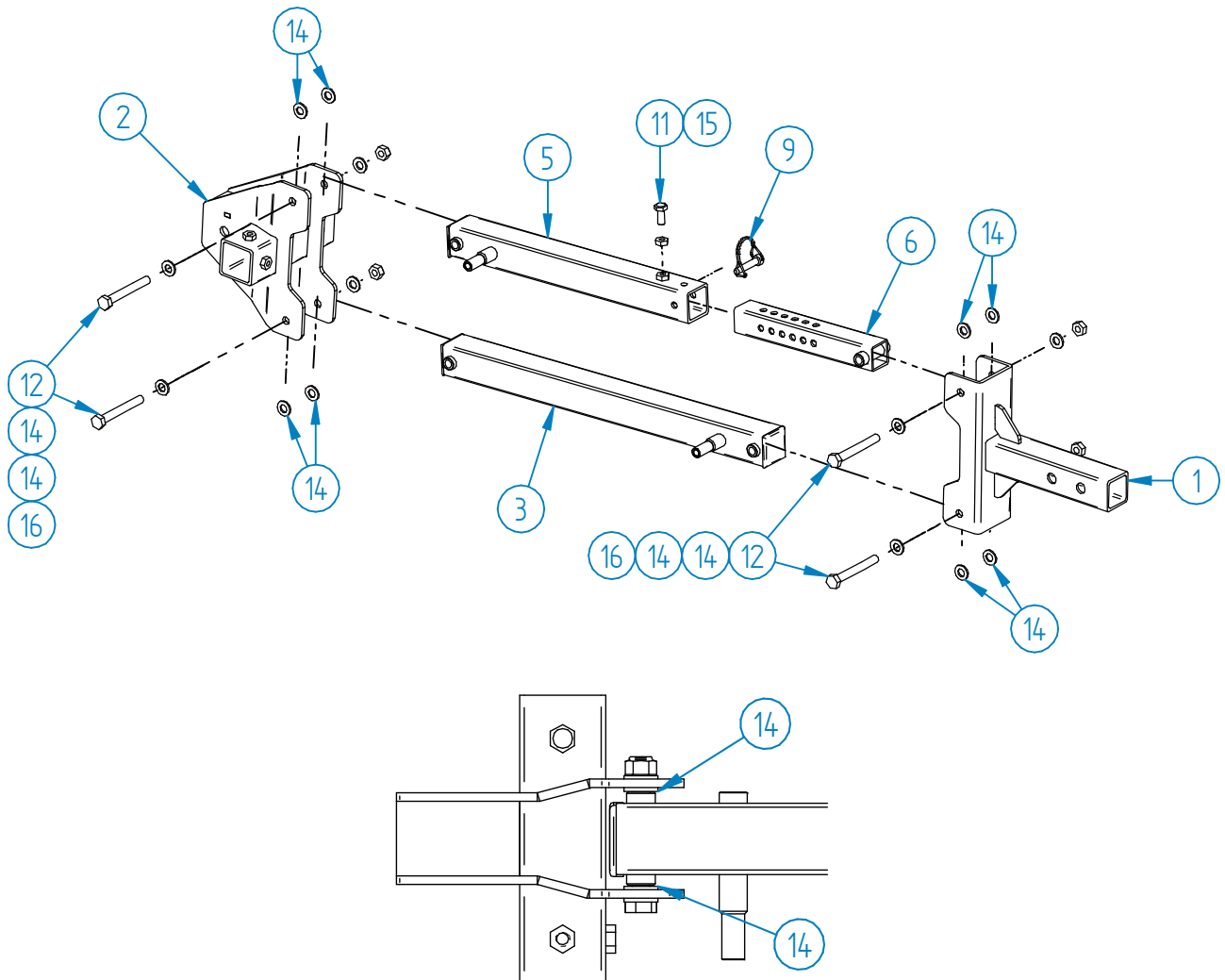


Step 1

Install the receiver mount (Pos.1), the tool holder (Pos.2) and the diagonal tubes (Pos.3; Pos.5 and Pos.6). For fastening use M12x100 bolts (Pos.12), Ø12 mm washers (Pos.14) and M12 nuts (Pos.16).

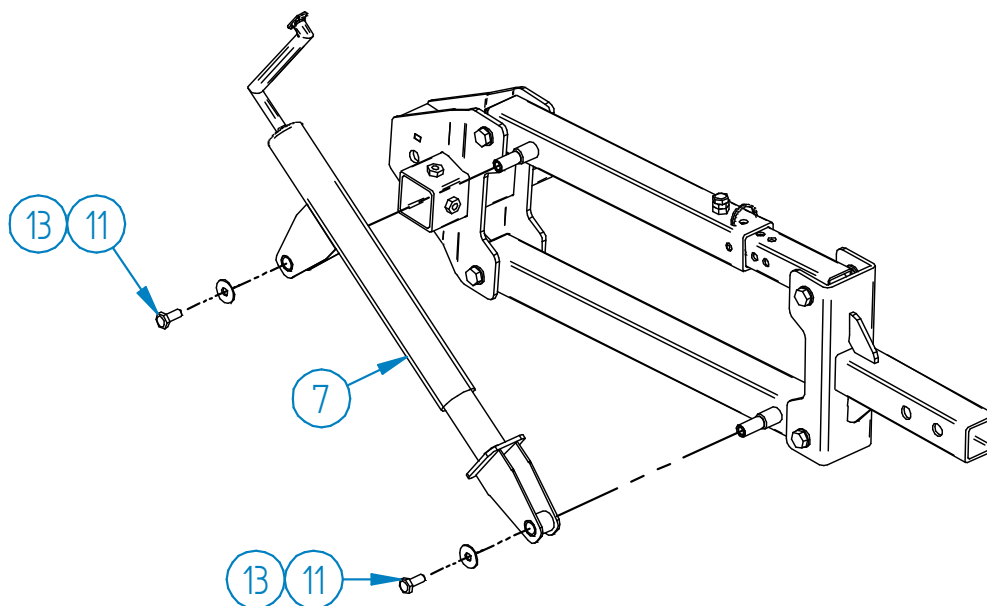
NB! The length of the upper diagonal tube is adjustable and different positions may be required depending on the tools used. To fix the position, use the spring-loaded pin (Pos.9) and tighten it with the M10x25 bolt (Pos.11) and M10 nut (Pos.15).

NB! Remember to put Ø12 washers between the receiver mount and diagonal tubes and between tool holder and diagonal tubes also. Make sure that the diagonal tubes (Pos.3) are installed in the same direction as shown in the figure.



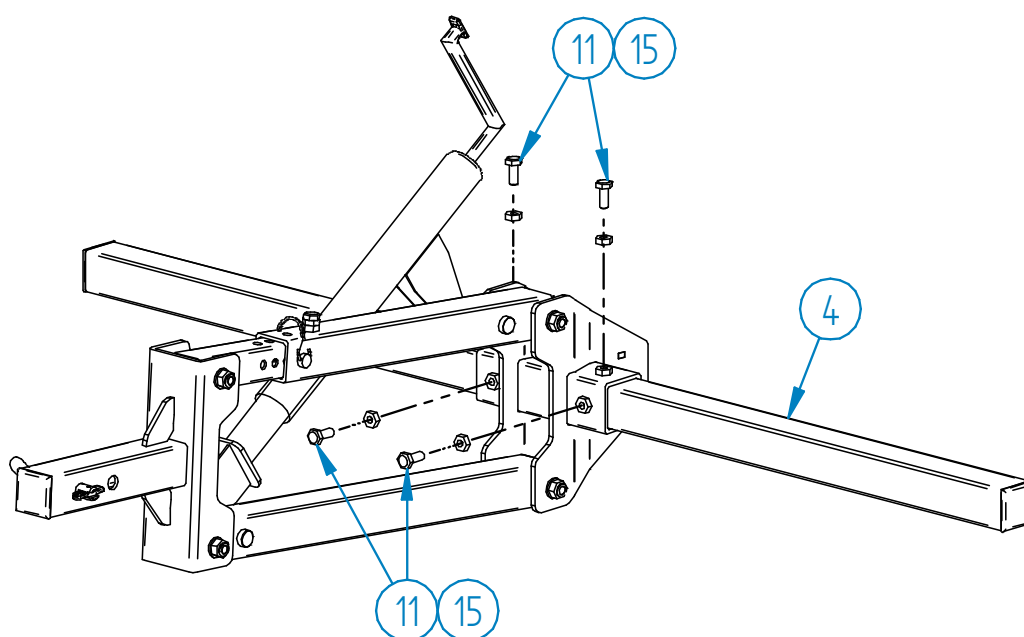
Step 2

Install manual lifting kit (Pos.7). For fastening use M10x25 bolts (Pos.1) and Ø10 mm washers (Pos.13). We recommend using thread lock fluid!



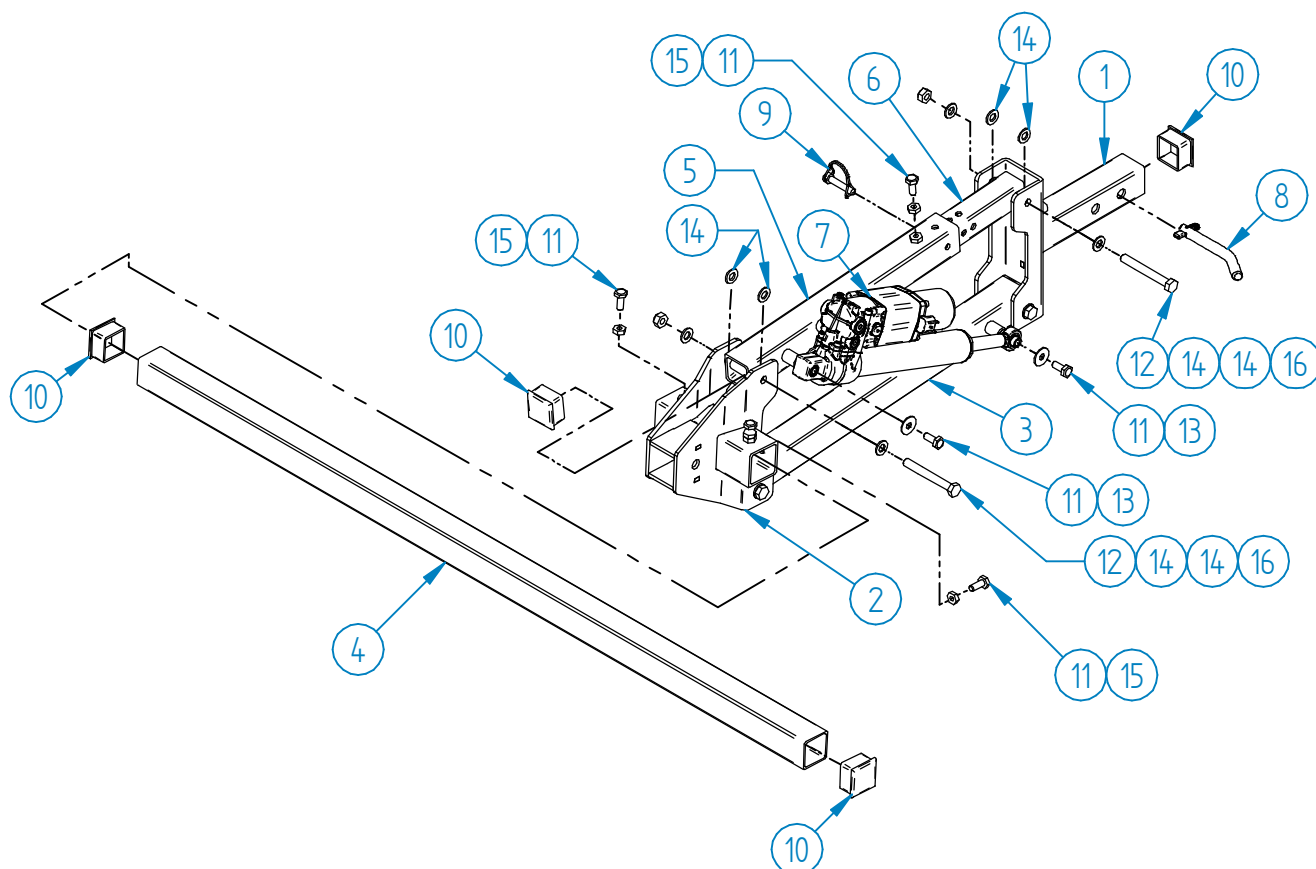
Step 3

Install tool holder tube (Pos.4). Fix the pipe position using M10x25 bolts (Pos.11) and lock the bolts with M10 nuts (Pos.15).



ELECTRICAL RECEIVER MOUNT SYSTEM (84.1050) ASSEMBLY INSTRUCTION

Pos.	Description	Code	Amount
1	Receiver mount	84.1001K	1
2	Tool holder	84.1004K	1
3	Long diagonal tube	84.1007K	2
4	Tool holder tube	84.1010	1
5	Short diagonal tube	84.1015K	1
6	Extension for shorter diagonal tube	84.1016K	1
7	Electro-hydraulic cylinder MAP 250	70.2500	1
7-2	Wiring kit (1 cylinder)	70.2500	1
8	Pin Quicklock	OT.53.00.045	1
9	Spring loaded pin 10x60	OT.10.11.011	1
10	Tube cap 50x50	OT.10.07.020	6
11	Bolt M10x25 DIN933	OT.02.02.317	7
12	Bolt M12x100 DIN931	OT.02.01.122	4
13	Washer Ø10 DIN9021	OT.04.02.050	2
14	Washer Ø12 DIN125	OT.04.01.050	16
15	Nut M10 DIN934	OT.03.01.040	5
16	Nyloc nut M12 DIN985	OT.03.02.060	4

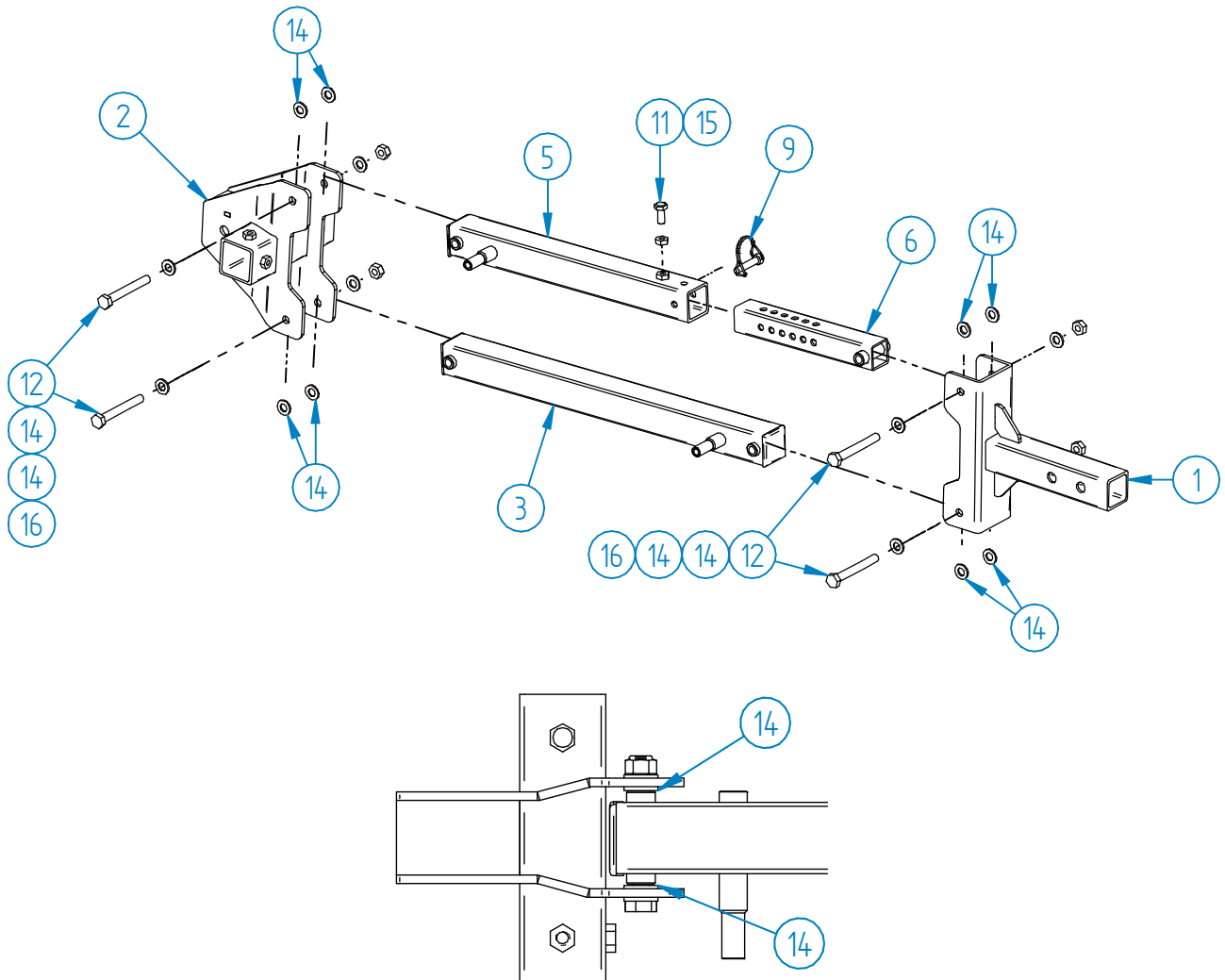


Step 1

Install the receiver mount (Pos.1), the tool holder (Pos.2) and the diagonal tubes (Pos.3; Pos.5 and Pos.6). For fastening use M12x100 bolts (Pos.12), Ø12 mm washers (Pos.14) and M12 nuts (Pos.16).

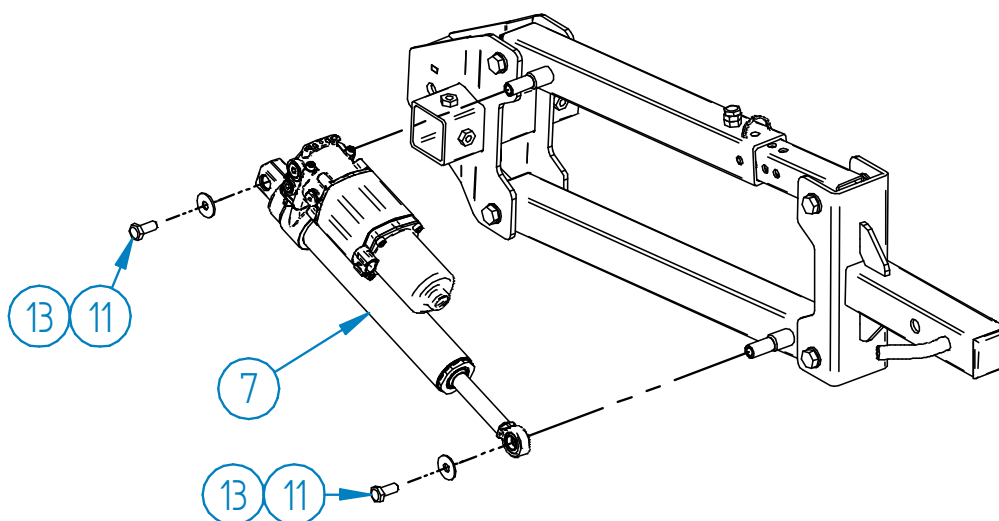
NB! The length of the upper diagonal tube is adjustable and different positions may be required depending on the tools used. To fix the position, use the spring-loaded pin (Pos.9) and tighten it with the M10x25 bolt (Pos.11) and M10 nut (Pos.15).

NB! Remember to put Ø12 washers between the receiver mount and diagonal tubes and between tool holder and diagonal tubes also. Make sure that the diagonal tubes (Pos.3) are installed in the same direction as shown in the figure.



Step 2

Install the electro-hydraulic cylinder (Pos.7). For fastening use M10x25 bolts (Pos.11) and Ø10 mm washers (Pos.13). We recommend using thread lock fluid!

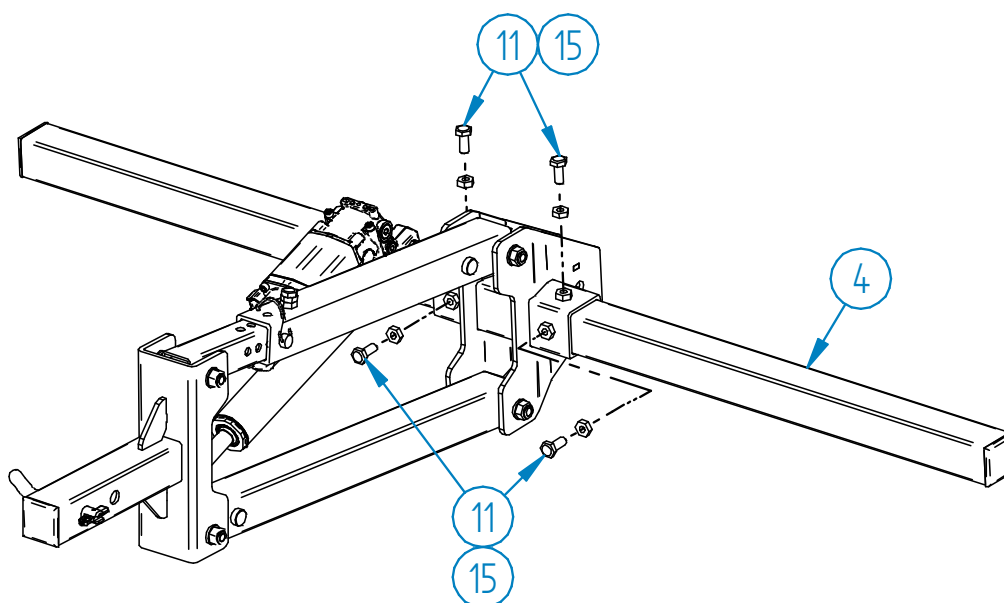


Step 3

Install the wiring kit (Pos.7-2) according to the installation instructions in the set.

Step 4

Install tool holder tube (Pos.4). Fix the pipe position using M10x25 bolts (Pos.11) and lock the bolts with M10 nuts (Pos.15).



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