

# MULTI CARRIER FOX



## HANDBOOK

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2021 - GREENTEC

# UK

## 1. EDITION

 **GREENTEC**

*Cutting Edge Technology*





# FOX MULTI CARRIER

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## INSTRUCTION MANUAL

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**1. EDITION – JULY 2021**  
**ORIGINAL EDITION**

### ! IMPORTANT !

- 🌿 This **GreenTec FOX Multi Carrier** must be mounted on an approved vehicle with an approved GreenTec attachment tool for proper operation.
- 🌿 It is important that the operator is provided with a document on "technical documentation and registration" of the machine as well as the instruction manual for the attachment tool before the machine is used for the first time.
- 🌿 It is important that the operator fully understands the contents of the technical documentation before using the machine.
- 🌿 The technical documentation must accompany the machine and must always be available to the operator.
- 🌿 In the event of later resale of the machine, the technical documentation must accompany the new owner.
- 🌿 The contents of the instruction manual are based on information, standards and regulations applicable at the time of publication.
- 🌿 As our products are constantly evolving and improving, there may be changes in specifications.
- 🌿 If there is information that differs on the current machine, updated instructions can be found on our [website](#) or by contacting GreenTec - Aftersales department at: [service@greentec.eu](mailto:service@greentec.eu)

## MANUFACTURER, NAME AND ADDRESS (a)

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# PREFACE

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Dear Customer!

Your new GreenTec machine is designed based on almost 30 years of experience with vehicle-mounted machines for maintenance of green areas.

The machine is manufactured based on the latest technology as well as approved safety regulations, and international standards.

We want to make a product available in a way that does not cause damage or misunderstandings during use, during transport or during maintenance of the machine.

The instruction manual contains information and instructions that are important and useful for maintaining the GreenTec machine's operational safety, reliability, and value.

Therefore, read this instruction manual carefully as it will familiarize you with installation, use, care, and maintenance. Pay special attention to safety instructions!

You are welcome to visit our website [www.grentec.eu](http://www.grentec.eu) - where you can find technical documentation and access the latest updates of instruction manuals and spare parts books on our entire product range.

We hope you enjoy your new GreenTec machine!



Kind regards

Signature:   
**John Christensen**  
Owner, GreenTec A/S

**GreenTec's** vision is to develop and sell quality machines for the maintenance of green areas, e.g., in agriculture, industry, airports and the municipal sector. Through innovative product development, we strive to become a leader in our field.

*All machines are developed in a simple, functional, and production-friendly design in close collaboration with dealers and end users. It is our goal to identify all needs in the market segment with a minimum of 2 different solution proposals.*

*By in-depth analysis of requirements and serious consultancy, the customer must be offered the best possible solution, where individual needs can also be met through modular construction of the product program.*

*We also strive to offer the best possible aftersales service and a fast and efficient spare parts supply.*

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# DECLARATION OF CONFORMITY (c)

## ACC. TO MACHINERY DIRECTIVE 2006/42/EC, ANNEX II.A

MANUFACTURER: GreenTec A/S  
COMPANY ADDRESS: Merkurvej 25  
ZIP-CODE AND CITY: DK-6000 Kolding



We, **GreenTec A/S**, declare under all responsibility that the machine:

TYPE:	PRODUCT:	CAN BE MOUNTED ON:
FOX Multi Carrier	FOX (9991902C-25, 9991902C-40)	Barrier Mower RI 60 & 80 Weed Clearing Brush BR 70

Table 1 – Machines covered by declaration of conformity

has been manufactured in accordance with the Machinery Directives 2006/42 / EC and 2014/68 / EU of the European Parliament and of the Council with reference to the following standards associated with its design, construction, and production:

NAME:	DECIPTION:
DS/EN ISO 12100:2011	Machine safety - General principles for design - Risk assessment and risk reduction
DS/EN 14120:2015	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards
DS/EN ISO 4413:2010	Hydraulic fluid power – General rules and safety requirements for systems and their components.

Table 2 – Declared international standards

The declaration is valid for the above equipment, up to and including the machine's connections, resp. suspension and stabilization, power transmission and electrical connection.

When connecting the above equipment to a vehicle and/or to tools other than those mentioned above, it is the responsibility of each owner and operator to ensure that the vehicle and the overall machine comply with the applicable requirements of relevant directives.

Date: 09.07.2019

Signature: \_\_\_\_\_

John Christensen  
Owner GreenTec A/S

# 1. MASCHINE DATA, USEFUL INFORMATION (b)

Before the machine is used for the first time, the importer / dealer is responsible for ensuring that the buyer receives all documents associated with the machine and that the machine is registered correctly via the extranet on GreenTec's website:

 <https://greentec.eu/user>

If in doubt regarding login information, please contact GreenTec - Aftersales & Service:

 [service@greentec.eu](mailto:service@greentec.eu)

The dealer / importer must also make sure that the buyer and operator fully understand the contents before using the machine.

If the machine is resold, all the technical documentation provided must be handed over to the new owner and must always follow the machine.

The following fields are filled in, for use when ordering spare parts or other inquiries:

## 1.1 REGISTRATION OF GREENTEC MASCHINE DATA

**! THESE DATA MUST ALSO BE ENETERED VIA LOGIN IN GREENTEC EXTRANET !**

Maskinens betegnelse:	
Serial number:	
Date of delivery:	
Importer / dealership:	
E-mail:	
Telephone:	

Table 3 - Machine data form



Merkurvej 25  
 DK 6000 Kolding  
 Danmark  
 Tel: +45 75553644  
 Fax: +45 75554243  
 E-mail: [info@greentec.eu](mailto:info@greentec.eu)  
 Webadresse: [www.greentec.eu](http://www.greentec.eu)  
 Åbningstid: mandag-fredag 8-16



## 1.2 MANUFACTURERS PLATE

All GreenTec machines are equipped with a manufacturer's plate.

The manufacturer's plate contains important information related to the machine, including a unique serial number used for identification.



Figure 1 – Manufacturer's plate for GreenTec machines

CONTENT OF MANUFACTURER'S PLATE:	
Type:	Machine model and type number.
Serial No.:	The machines unique serial number.
Prod. year:	Production year of the machine.
Weight:	Weight <i>without</i> optional equipment. (kg)
Model year:	Development year of the machine.
<i>The plate also indicates the address information of the manufacturer.</i>	

Table 4 – Contents of the manufacturer's plate

## 1.3 WARRANTY

To maintain GreenTec's 2-year warranty and product liability insurance, only genuine GreenTec spare parts may be used on GreenTec machinery and equipment.

GreenTec is not liable for damage caused by illegal or incorrect use of the machine as well as incorrect connection or connected equipment.

- See GreenTec's warranty conditions in section 5 under the Terms and Conditions of Sale and Delivery here: <https://greentec.eu/en/terms-and-conditions-sale-and-delivery/>

## 1.4 USE WITH OTHER MANUFACTURERS THAN GREENTEC

### NOTICE

When installing attachment tools other than GreenTec, a new risk assessment of the equipment used must be submitted.

If the multi carrier is fitted with an unapproved attachment tool, the risk assessment basis lapses, and thus the validity and guarantee of the declaration of conformity.

It is the sole responsibility of each operator to assess the risk of this interconnection before using the machine.

## 2. GENERAL INFORMATION

### 2.1 INSTRUCTIONS USING THIS MANUAL

Read this instruction manual carefully before mounting and commissioning the machine.  
If in doubt, contact your local dealer or GreenTec - Aftersales department.

#### **NOTICE**

The illustrations in this instruction manual are for the sole purpose of instructing, informing, and substantiating the general procedures and instructions.

Illustrations may appear different from the current machine, e.g., by being fitted with accessories and / or in a different size variant.

### 2.2 DEFINITION OF INFORMATION SIGNS

The following definitions apply to this entire instruction manual:

#### **⚠ DANGER**

##### **DANGER!**

Warns of a potential situation that could result in death or permanent disabling injuries if the regulations are not followed carefully!

#### **⚠ WARNING**

##### **WARNING!**

Warns of a potential situation that could result in partially disabling injuries or serious bodily injury if the regulations are not followed carefully!

#### **⚠ CAUTION**

##### **CAUTION!**

Warns of a potential situation that could result in serious damage to the machine or equipment if the instructions are not followed carefully!

#### **NOTICE**

##### **NOTICE!**

Specific or general information that is deemed important or useful.

### 2.3 DEFINITIONS, TERMS AND DESCRIPTIONS

Operator:	Daily user and/or starter of the machine.
Owner:	Buyer, owner or those responsible for the operation and maintenance.
Attachment tool:	GreenTec attachment tool, or working tool handled and carried by FOX Multi Carrier during operation
Multi Carrier:	GreenTec FOX Multi Carrier, support arm, or lift that controls, handles and carries the attachment tool during operation.
Vehicle:	Machine that transports FOX Multi Carrier + attachment tool.
LH + RH:	Left Hand and Right Hand. These terms are used when the machine is mounted on the vehicle, seen from behind. These designations are also used when referring to the vehicle.

Table 5 – Definitions, terms, and descriptions in the instruction manual.

# 3. SAFETY

## 3.1 LOCAL LEGISLATION IN THE COUNTRY OF USE

The use of the machine may be restricted by the laws of the countries in which it is used.

It is important that the responsible owner and operator familiarizes himself with the country's laws and regulations regarding cutting, mowing and maintenance of fences and hedges.

## 3.2 WARNINGS, PROHIBITIONS, AND INSTRUCTIONS

The instructions derive from the current national accident prevention regulations, which the operator and operator must comply with:



For all types of work on the machine, this must be disconnected from all hydraulics!



Only authorized personnel may perform service work on the machine!



Read the instruction manual carefully before using the machine!

## 3.3 SAFETY LABELING

The machine is affixed with safety labels, these are located at the identified hazards to which one is exposed, when working with, and staying near, the machine:

### 3.3.1 PERSONAL SAFETY EQUIPMENT – LABELS

It is recommended that the following safety equipment is used when working on or performing maintenance on the machine:

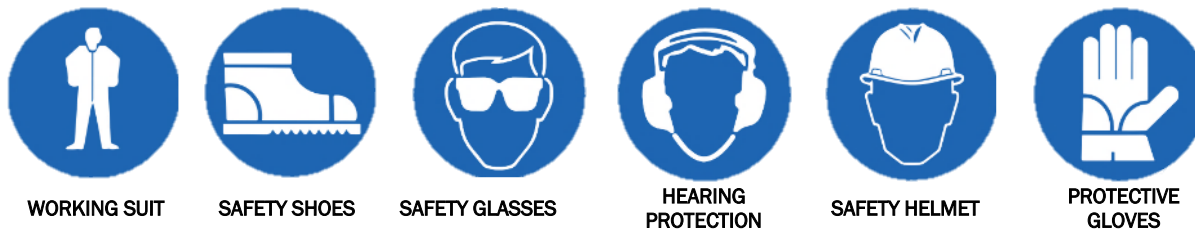


Figure 2 – Safety labelling: personal safety equipment

- 🌿 The recommended safety equipment, together with the points of attention mentioned in this and the following sections, covers the precautions GreenTec has deemed necessary for use.
- 🌿 The varying circumstances that may occur while working with this machine cannot always be foreseen.
- 🌿 No good advice can replace "common sense", "timely care" and "paying attention", but the above recommendations are a good start to the safe use of the GreenTec machine.

### 3.3.2 WARNING LABELS

Warning labels that identify the dangers to which you are exposed when working and when staying near the machine:







	<p><b>Warning!</b> Read relevant instruction manuals carefully before using this machine.</p>		<p><b>Warning!</b> Beware of oil in case of skin contact or inhalation of oil vapours, as well as high pressure in case of leakage or handling.</p>
	<p>Follow all instructions and safety instructions when using the machine.</p>		<p>Switch off the engine, remove the key and apply the parking brake before maintenance or repair work</p>
 	<p><b>Warning!</b> Check for every 8 hours of use that all bolts / nuts are tightened.</p>		

Figure 3 – Safety labeling: warning labels

## 3.4 OPERATING IN PUBLIC AREAS

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When working in publicly accessible places, such as at roadside, the residence of others in the area must be considered.

Stop the machine immediately when e.g., pedestrians, cyclists, riders, etc. are approaching the safety zone. Only resume work when these are at a safe distance again.

When the machine is used on public roads, the applicable traffic laws must be observed at all events.

### 3.4.1 WARNING SIGNS IN PUBLIC PLACES

- 🌿 The work area should be marked with appropriate signage, this is a legal requirement in public places.
- 🌿 Signage must be clearly and correctly placed so that the danger is made clear.
- 🌿 Contact the Road Directorate / authority for detailed information on current legislation.
- 🌿 Road authorities should be advised before starting work on public roads.

### 3.4.2 USE OF WARNINGS SIGNS

- 🌿 On two-way roads signposted in both directions.
- 🌿 The work should be within 1 km of signage.
- 🌿 Only perform work when visibility is good and when the risk is least - e.g. outside rush hour.
- 🌿 The vehicle must be equipped with a flashing orange light boom.
- 🌿 Vehicles should be in a conspicuous color and the operator should be wearing visible clothing.
- 🌿 Residues of material should be removed from the road and pavement as soon as practicable, and at appropriate intervals.
- 🌿 Work must be performed before removing warning signs.
- 🌿 Collect all road signs as soon as the work is completed.

### 3.4.3 PROPOSED SIGNS WHEN WORKING ON PUBLIC ROAD



HOLD LEFT



#### Mandatory sign:

- "Keep left"
- White and blue arrow signage
- Sign is visible on the back of the machine



VERGE CUTTING



#### Warning sign:

- "Road work"
- Supplementary text for work performed with appropriate distance
- Example: "Verge cutting 0-1 km"



ONE LANE ONLY



#### Warning sign:

- "Road chicane"
- Apply following text:
  - "One lane only"

Figure 4 - Proposed signage on public roads

## NOTICE

The above signage applies within EU mainland where traffic passes to the left of the machine working in the direction of travel.










Signage, use of, and colors on arrow signs as well as indications depend on the language, laws, and regulations of each country.

## 3.5 RECOMMENDATIONS FOR OPTIMAL SAFETY AND OPERATION (I)

### DANGER

**Always** be aware of the following risks when using the machine!

To achieve optimal safety and operation, it is important that the operator understands how dangerous the machine is and anticipates the danger before it occurs:

-  You may get stuck when the machine is engaged or disconnected and when the Multi Carrier is moved out or in, up or down and forward or back!
-  The machine can tip over when the Multi Carrier is raised!
-  You can be caught by the rotating shaft from the PTO!
-  You may be hit or caught by the moving parts, e.g., flails, knives, drive shaft and wings from mounted attachment tools.
-  You may be hit by flying materials or machine parts in case of machine damage!
-  The machine can tip over, even when not in use!
-  The attachment tools are powered by hydraulic oil from the hydraulic system in the machine or from the power-providing vehicle. The operator of the vehicle should have knowledge of how the hydraulic oil should be handled! (Read in the safety data sheet for the oil)
-  High pressure oil spray from damaged fittings or hydraulic hoses can penetrate the skin and cause serious injury!
-  Accident in case of collision with other vehicles or lost objects on the roads.

## 3.6 NECESSARY PROTECTIVE MEASURES (m)

### NOTICE

The machine **must** be used in the following ways:

- ✓ Make sure that the operator of the machine has read this instruction manual, as well as instruction manuals for the Multi Carrier and used vehicle.
- ✓ Make sure that the operator of the machine has been instructed in the use of the machine.
- ✓ Wear hearing protection if the machine is operated from a cabin that is not soundproof or if the cabin windows are open.
- ✓ Make sure all warning labels are always visible and that none of them are missing, damaged or illegible.
- ✓ Check that all guards are fitted correctly and that there are no damaged or loose parts.
- ✓ Make sure that all hydraulic pipes and hoses are positioned correctly to avoid rubbing, stretching, squeezing, or breaking them.
- ✓ Check the work area and remove any strings, poles, large stones, and other dangerous objects before operation.
- ✓ Drive at a safe speed adapted to the terrain as well as any other vehicles and obstacles.
- ✓ Make sure that the vehicle is stable and meets the machine manufacturer's recommendations for minimum weight - if necessary, use extra counterweight.
- ✓ Pay attention to electric wires, if in doubt about distance contact local power plant.
- ✓ It is recommended to use impact-resistant guards on the vehicle.
- ✓ Check that the machine's fittings, connections, and couplings are in good condition.
- ✓ Follow the manufacturer's instructions for removing and installing the machine from the vehicle.
- ✓ Disconnect the hydraulics for the machine, stop the engine, apply the parking brake, and remove the key before leaving the cab.
- ✓ If necessary, remove annoying residual material from the area.
- ✓ When inspecting, repairing or other work on the stationary machine, great care must be taken.
- ✓ Always wear gloves, safety shoes, safety glasses and appropriate tools to carry out the work.

### 3.7 WARNINGS ON HOW NOT TO USE THE MACHINE (h)

#### **⚠ DANGER**

**Do not** use the machine in the following ways!

- ✗ Do not operate the machine until the relevant instruction manuals have been read and understood!
- ✗ The operator must also be familiar with the operating handles according to the instruction manual for the connected Multi Carrier!
- ✗ Do not operate the machine if there are others within machine safety distances!
- ✗ Do not allow an inexperienced person to operate the machine unattended!
- ✗ Do not walk within the working area / safety zone of the machine. (Risk of injury!)
- ✗ Do not try to locate a leak in the hydraulics by hand, use a piece of cardboard instead!
- ✗ At no time should children be allowed to play on or near the machine!
- ✗ Do not perform any maintenance or adjustment without first removing the hydraulic pressure from the machine, lowering the Multi Carrier to the ground, stopping the vehicle's engine, applying the parking brake, and removing the key!
- ✗ Do not use and / or mount the machine on a vehicle that does not meet the manufacturer's specifications!
- ✗ Do not use the machine if the hydraulic system shows signs of damage!
- ✗ Do not stop the engine while the hydraulic pressure is activated!
- ✗ Do not attempt to use the machine for any purpose other than that for which it was intended!
- ✗ Do not leave the cab of the vehicle without removing the ignition key!
- ✗ Do not transport the machine while the hydraulic pressure is activated!
- ✗ Do not use a machine that is not maintained or if some of its guards are missing or damaged!
- ✗ Do not operate the vehicle or any of the control levers from a position other than the driver's seat!
- ✗ Do not drive with mounted machines where rotating parts are facing the cab of the vehicle, as this poses a risk of stones and material being thrown at the driver!










## 3.8 SAFETY INSTRUCTIONS FOR MAINTENANCE, ADJUSTMENT, AND INSPECTION (s)

### NOTICE

The machine **must** be maintained in the following ways:

- ✘ The operator must ensure that all maintenance, inspection, and installation work is carried out by authorized and qualified professionals who, after reading the relevant instruction manuals, are in possession of sufficient knowledge.
- ✘ Maintenance, inspection, and installation work may only be carried out with the hydraulics disconnected.
- ✘ When carrying out maintenance work under the Multi Carrier, secure with suitable support elements.
- ✘ When replacing machines, check the hydraulic system for residual pressure. A possible residual pressure is reduced to zero. (0 bar)
- ✘ Use only suitable tools and wear heavy gloves, safety shoes and glasses.
- ✘ Handle the hydraulic oil and grease properly. Always be familiar with the safety data sheets.
- ✘ Immediately after completion of work, all safety and protection devices must be fitted and reactivated.

## 3.9 SAFETY INSTRUCTIONS FOR THE OWNER / OPERATOR

-  It is important to familiarize yourself with all controls and equipment as well as their function before starting the work. If the work has only begun, it may be too late.
-  Check the immediate area before starting and during operation of the work the machine must perform. (People, children, animals, or obstacles such as stones, fence posts, steel wire).
-  Ensure adequate visibility and illuminated work area. The safety distance specified in the machine's instruction manual must be strictly observed.
-  The operator's clothing must be tight. Avoid loose clothing.
-  The operator must be fresh and rested before using the machine, as well as taking breaks in case of fatigue, to ensure their own and others' safety.
-  The operator should ensure varying working positions and take frequent breaks to avoid musculoskeletal disorders.
-  The operator must not leave the driver 's seat while driving.
-  It is not permitted to “ride along” on the machine during transport and operation.
-  When working on high-voltage power lines, additional distance and caution are required

## 4. MACHINE DESCRIPTION, COMPONENTS AND SPECIFICATIONS

### 4.1 MACHINE DESCRIPTION (d)








GreenTec FOX FOX Multi Carrier mounted on a small tractor.

## FOX MULTI CARRIER:





- GreenTec's Multi Carrier in the FOX series can easily be mounted on the front or rear of tractors with a **standard 3-point hitch (cat. 1 & 2)**, and mini loaders or front loaders with several **different types of loader brackets**.
- For FOX Multi Carriers in the FOX series, 2 attachment tools can be selected, where these can be easily mounted and dismantled using adapter sets for the purchased attachment tool
- Edge mowing of grass areas, as well as cleaning of sidewalks is easily done with the correct attachment tool, via this versatile and flexible machine.
- The FOX Multi Carrier has a telescopic arm that can be adjusted manually in **4 different levels / lengths**.
- The required amount of oil to be added to the FOX Multi Carrier is **either 25 or 40 l / min.** all depending on the tool and setup used. (See machine specifications)
- The FOX Multi Carrier is made up of invertible identical components, i.e. that the attachment tool is assembled and mounted accordingly and can therefore optionally be assembled as **both right-handed and left-handed models**.

- 
 The FOX Multi Carrier has been developed and optimized down to the smallest details, with a total **transport width down to only 1.75 m. with the attachment tool mounted.**
- 
 The range of the telescopic arm in the extended position on the FOX Multi Carrier is up **to 1.9 m (measured from the center of the vehicle).**
- 
 The telescopic arm can be adjusted in **4 levels / lengths with an interval of 20 cm.**
- 
 The FOX Multi Carrier can easily navigate vehicle and machine on smaller areas, such as bike paths, gardens and parks. At the same time, the machine is particularly suitable for contractors and farmers in larger green areas.
- 
 As standard equipment, all FOX Multi Carriers come with:

STANDARD EQUIPMENT: FOX MULTI CARRIER	
Mechanical extension of telescopic arm from working to transport position.	FOX Multi Carrier
Flow regulator with anti-cavitation and overpressure valve.	FOX Multi Carrier
Support legs for mounting and positioning	FOX Multi Carrier
Loader bracket or 3-point hitch linkage <sup>1</sup>	FOX Multi Carrier
Hydraulic hose set	FOX Multi Carrier

Table 6 – Overview of standard equipment on GreenTec FOX Multi Carrier

- 
 Loader brackets or 3-point hitch linkage should be selected based on the vehicle used.
- 
 Get more information about your equipment options for your machine on GreenTec's [website](#), and later in this manual.

<sup>1</sup> Adapter / hitch linkage should be selected when purchasing based on the vehicle used.

## 4.2 USE OF THE MACHINE

### 4.2.1 INTENDED USE OF THE MACHINE (g)

#### NOTICE

For any use of the machine other than that described in this section, GreenTec is not liable for any damages resulting therefrom. The responsibility then rests solely with the operator.

- The FOX Multi Carrier are available in several variations and sizes, but they all have the same basic structure and operation and are therefore similar.
- The machine is primarily used with a dedicated attachment tool for mowing grass, hedges and fences as well as cleaning sidewalks.
  - See specifications on the machine. ([Table 9](#) – page 21)

### 4.2.2 APPLICATION AND RESTRICTIONS OF THE MACHINE (h)

The capacity of the various FOX Multi Carriers is limited by the size of the hydraulic motor on the attachment tool, the oil flow it is supplied with, the amount of material to be cut, and of course the speed at which it is driven.

#### ⚠ DANGER

The owner of the machine / operator is responsible for compliance with the following rules::

- The vehicle on which the machine is mounted must live up to the requirements for machines approved for agriculture.
- Under no circumstances should all safety values be exceeded.
  - Safety distances, pressure, flow, rpm, etc.
- Never use the machine without safety guards fitted.
- The machine must never be used for the transport of persons, animals or other equipment than described in this instruction manual.
- That the stability of the load-bearing vehicle is sufficient:
  - See the section on [Stability](#) (page 44), as well as the instruction manual for used attachment tools and vehicles.
- The FOX Multi Carrier and attachment tool must never be used as a "crane" or other type of lifting equipment.

#### ⚠ DANGER

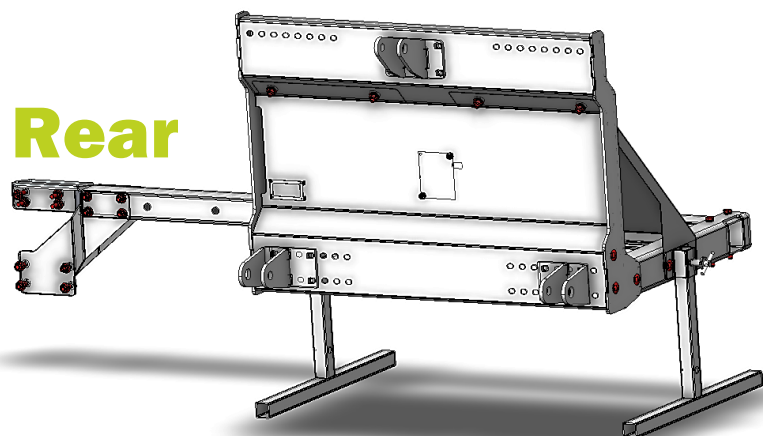
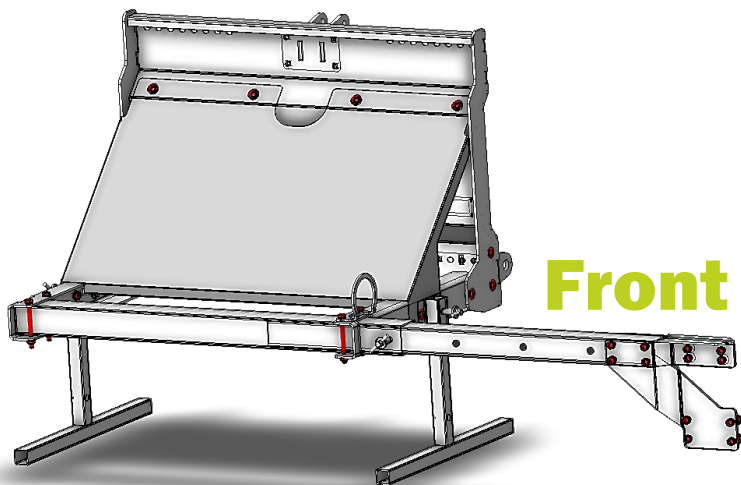
Safety guards on the attachment tool in use can never work 100%!

Depending on the conditions being driven on and under, there will be a possibility that serious fragments / material may come flying and damage people or material. Therefore, distance must **always** be kept!

## 4.3 MACHINE COMPONENTS / MAIN PARTS

### 4.3.1 MAIN FRAME WITH MECHANICALLY ADJUSTABLE TELESCOPIC ARM

- The main frame consists of frame, telescopic arm, front screen, and mounting bracket in steel, as well as hydraulic parts and components.
- All parts on the machine are manufactured according to and / or dimensioned for the influences that occur during use.
- Mechanical telescopic arm system, with manual adjustment of level / length, prepared for mounting with various attachment tools.
- All parts are bolted together and can be disassembled for easier and more efficient service and maintenance of the machine.
- The FOX Multi Carrier is designed with hose guides inside the cabinet and along the telescopic arm, for greater safety and easier use in acc. to assembly, connection and use of attachment tools.
- The FOX Multi Carrier offers several options for either loader brackets or 3-point linkage for different vehicles. These are mounted and easily connected to the machine's simple frame construction.
- There are fixed protection screens, which are designed to protect the user against unintentional contact with the flow regulator and hose connections, as well as protection of components from external dirt, impacts etc.



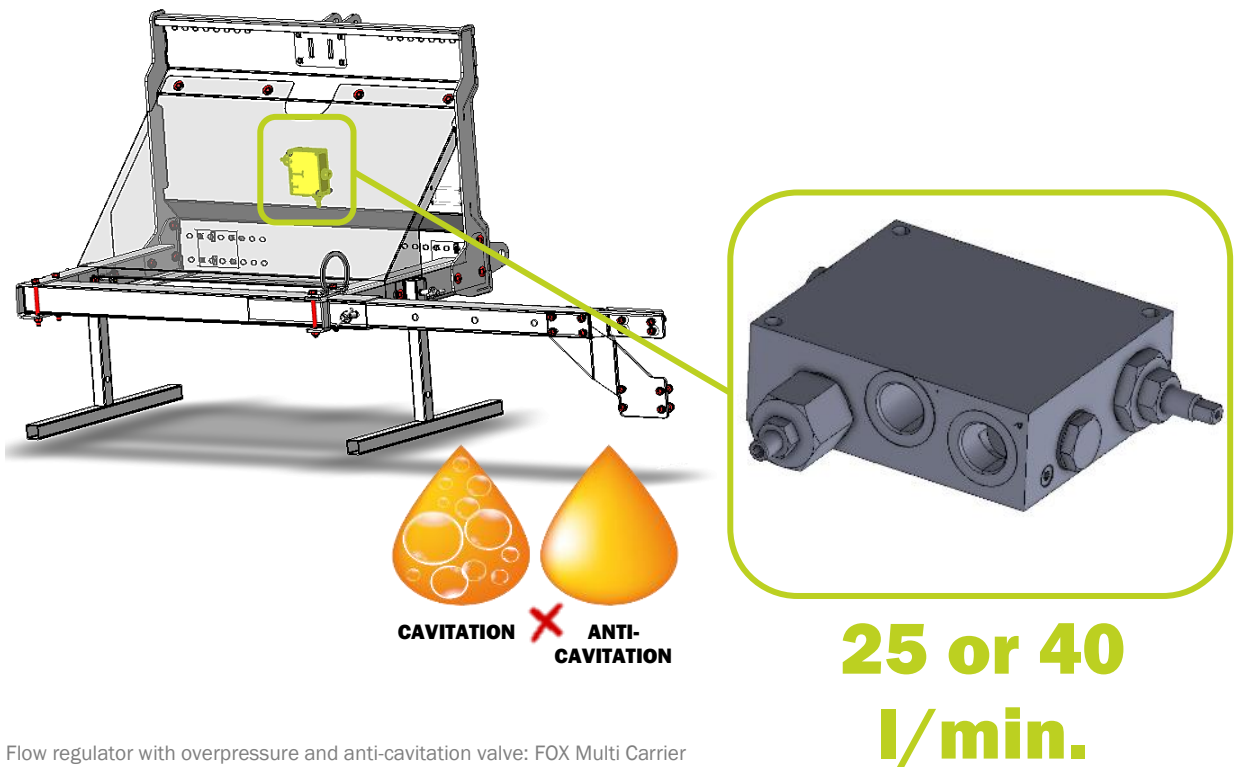
GreenTec FOX Multi Carrier (FOX front: top & FOX rear: bottom)

### 4.3.2 FLOW REGULATOR FOR OIL QUANTITY ASSURANCE

- ✎ The flow regulator on the FOX Multi Carrier ensures that not too much oil can get to the attachment tool.
- ✎ There is an overpressure and anti-cavitation valve built into the flow regulator, to ensure that no damage occurs to the machine as well as the attachment tool by ensuring that cavitation does not occur at start / stop and with error / incorrect pressure and return connection.
- ✎ FOX Multi Carrier comes as standard with a double-acting oil outlet and a free pressureless drain connection.
- ✎ The vehicle's hydraulic system must be able to deliver either 25 or 40 l / min. depending on the attachment tool and setup:

OIL SUPPLY FOX MULTI CARRIER:	
FOX Multi Carrier	25 l/min. @ 190 bar
(Max. inlet flow from vehicle: 80 l/min)	40 l/min. @ 190 bar

Table 7 – Oil supply overview: FOX Multi Carrier



Flow regulator with overpressure and anti-cavitation valve: FOX Multi Carrier

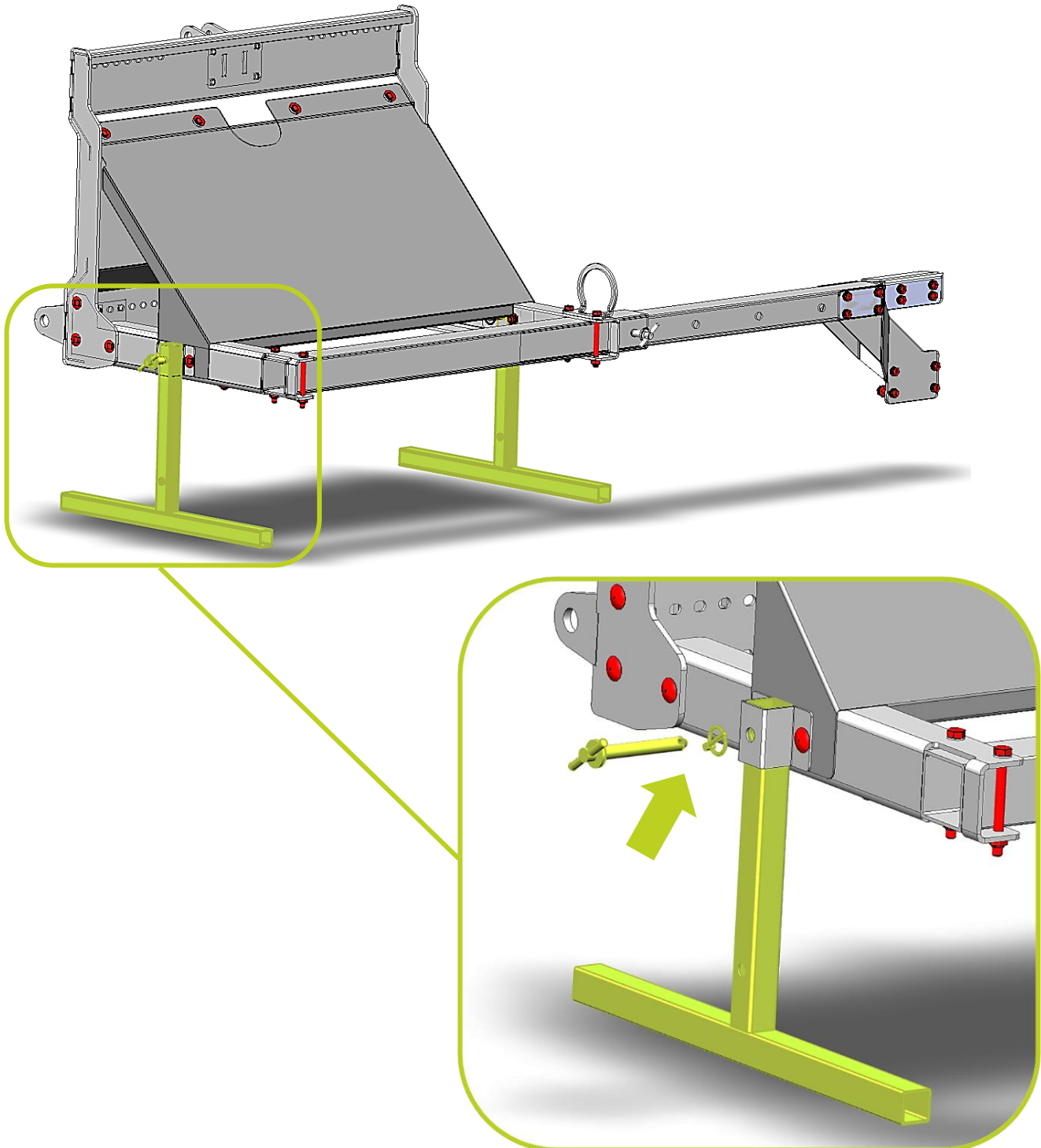
## NOTICE

With any kind of adjustment of the flow regulator without instructions from GreenTec, both the guarantee and risk assessment basis for the machine lapse.

GreenTec is not liable for damages as a result, and the risk is then solely the responsibility of the operator.

### 4.3.3 SUPPORT LEGS FOR ASSEMBLY AND STORAGE

- FOX Multi Carrier comes as standard with support legs for mounting attachment tools and / or for safe and stable storage when the FOX Multi Carrier is not used.
- The support legs on the FOX Multi Carrier are raised / lowered via safety rivets with ring-split on both sides of the FOX Multi Carrier. (Raised from the ground)
- The support legs contribute to an easy, stable, and safe removal and installation of a multi-carrier on the vehicle.
- The support legs also ensure that the FOX Multi Carrier is stable, during storage and possibly service and maintenance.

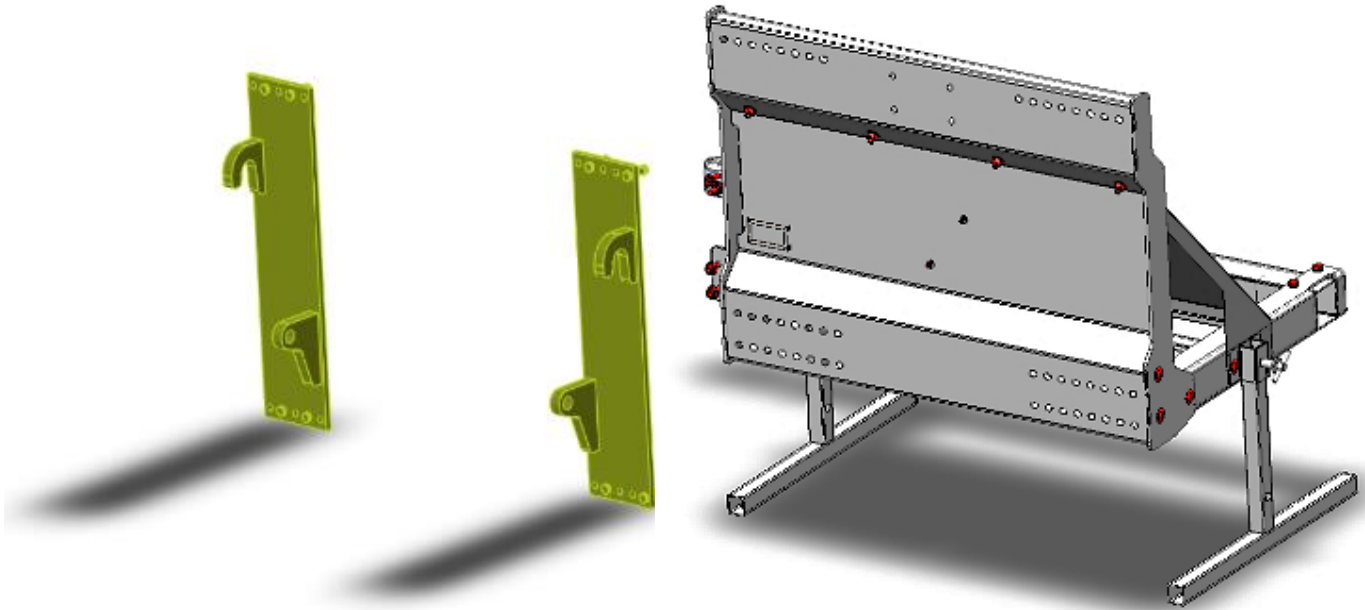


Support legs with safety rivet and ring split: GreenTec FOX Multi Carrier

#### 4.3.4 LOADER BRACKET OR 3-POINT LINKAGE

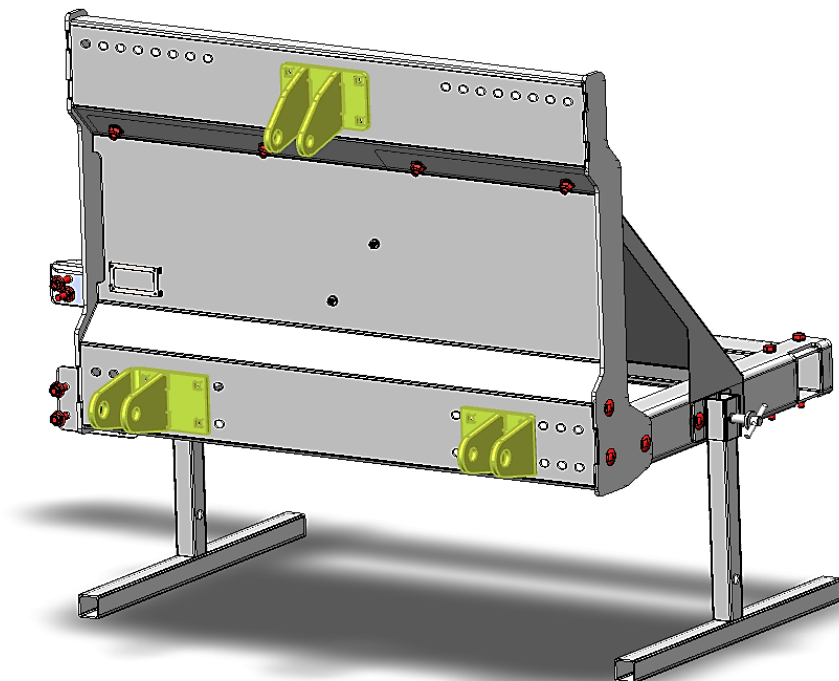
- 🌿 FOX Multi Carrier must be mounted on the used vehicle using a LOADER bracket or 3-point linkage. (Category 1 & 2)
- 🌿 Up to +15 different types of loader brackets are available, where the correct bracket for the vehicle in use, is selected together with FOX Multi Carrier upon purchase.
- 🌿 On the back of the FOX Multi Carrier there are holes for fixed mounting and adjustment of the position of the loader bracket, or the 3-point linkage (Category 1 & 2)

##### 4.3.4.1 LOADER BRACKET



GreenTec FOX Multi Carrier with Euro Hitch loader bracket

##### 4.3.4.2 3-POINT LINKAGE



GreenTec FOX Multi Carrier with brackets for 3-point linkage (Category 1 & 2)

### 4.3.5 HYDRAULIC HOSE SET

- FOX Multi Carrier is intended for mounting on the front of vehicles, and a complete hose set of approx. 2x2.5 m, both for mounting on the vehicle's hydraulic system and the attachment tool in use.
- The hose set consists of 3 types of hoses (pressure, drain and return), incl. associated stickers, fittings, plugs and hose protection sleeves.



Hydraulic hose set + various accessories: FOX Multi Carrier

### 4.4 APPROVED ATTACHMENT TOOLS (n)

**⚠ WARNING**

Remember, that when assembling with attachment tools other than GreenTec produced or approved, it is the sole responsibility of each operator to ensure that the vehicle and the overall machine comply with the applicable requirements and relevant directives!

When mounting on equipment other than GreenTec, a new risk assessment of the equipment used must be submitted!

If the FOX Multi Carrier is fitted with an unapproved attachment tool, the risk assessment basis lapses, and thus the validity and guarantee of the declaration of conformity!

- FOX Multi Carrier is intended for installation with the following approved GreenTec attachment tools and accessories:

APPROVED ATTACHMENT TOOLS AND ACCESSORIES:	
Description:	FOX Multi Carrier
Kantklipper RI 60 & 80	●
Ukrudtsbørste BR 70	●
Accessories:	
Nakkebeslag eller 3-punkts ophæng	●

Table 8 – G Approved attachment tools and accessories: FOX Multi Carrier

## 4.5 SPECIFICATIONS

DATABLAD: GREENTEC FOX MULTI CARRIER		
FOX MULTI CARRIER		
Transport width: (w. RI 80 Barrier Mower mounted)	Approx. 1.73 m	
Range telescopic arm extended: (from center of vehicle)	Approx. 1.88 m	
Net weight (kg):	115 kg	
Minimum tare weight of vehicle (kg):	There are many factors that determine this. See section on: <a href="#">Stability – page 44</a>	
A-weighted sound pressure level (>80dB):	Not above >80dB	
Max. inlet flow from vehicle:	Max. 80 l/min	
Minimum oil requirement (l / min) (standard):	25 l/min or 40 l/min @ 190 bar	
Required oil amount (l/min):	RI 60 Barrier Mower:	1 x DW 25 l/min.
	RI 80 Barrier Mower:	1 x DW 40 l/min.
	BR 70 Weed Clearing Brush:	1 x DW 25 l/min.
Recommended hydraulic oil:	<a href="#">Shell Tellus S2 VX 46 or equivalent</a> <a href="#">Shell Naturelle HF-E 46 or equivalent</a>	
Recommended oil filtration:	10 Micron-oil filter	
Oil outlet:	Recommended pressure:	180 - 190 bar
	Max. return pressure:	5-15 bar (Always check the instruction manual for the attachment tool)
	Max. drain pressure:	2.0 bar (Put directly into <b>pressureless</b> tank)
Working season:	All year. Legislation in some countries can limit seasons.	
Lubrication:	Quantity / interval:	Semi-annually and after washing the machine.
	Type:	<a href="#">Texaco Multifak EP 2 lithium or equivalent</a> <a href="#">(Safety Data Sheet)</a>
Materials:		Mainly built of S235 steel
		Hydraulic hoses: Steel-reinforced rubber coated Hydraulic valves: Cast iron and aluminum

Table 9 – Datasheet of machine specifications: GreenTec FOX Multi Carrier

## 4.6 NOISE MEASUREMENT OF AIRBORNE NOISE (u)

---

Noise measurements were performed on the machine under normal operating conditions at GreenTec A / S in Denmark, with a Delta OHM sound meter - type HD 8701.

Measurements were made 1 meter from the machines critical noise emitters at a height of 1.50 meters from the ground, without starting or using the tool.

Noise level changes in relation to the season and the material used; therefore, noise levels may differ to a lesser extent.

The noise level of the machine is much less than the tools intended for mounting, as well as the vehicle on which the machine is mounted.

The noise level of the FOX Multi Carrier will always be lower than the noise from the attachment tools that can be mounted, as well as the noise from the vehicle in question.

Therefore, follow the precautions intended for the tool in use.

(See section on [safety](#) - page 5)

# 5. INSTRUCTIONS FOR USE OF THE MACHINE

(k)

## 5.1 INSTRUCTIONS FOR DELIVERY OF THE MACHINE

### BEFORE USING THE MACHINE, CHECK THE FOLLOWING:

1. Check the FOX Multi Carrier and all supplied parts for transport damages etc:  
(All loose parts for the FOX Multi Carrier and associated components are either packed down with or in a cardboard box next to it)



Transport pallet with FOX Multi Carrier and included boxes with loose parts (3 pcs.)

### NOTICE

GreenTec points out that the FOX Multi Carrier consists of a total of 3 package:

- Package 1: FOX main frame
- Package 2: Mounting-bracket or 3-point linkage.
- Package 3: Hydraulic components (hoses, fittings, etc.)

2. Check that the correct components are included with the FOX Multi Carrier



Various loose parts and accessories: FOX Multi Carrier

- Guide for technical documentation
- Accessories:
  - Mounting brackets
  - Hitches for 3-point linkage
  - Loose parts for hydraulic hoses (fittings etc.)

## 5.2 INSTRUCTIONS FOR ASSEMBLY, CONNECTION AND DISCONNECTION (j)

Assembly and connection should ALWAYS be performed by the dealer for the first time.

When the FOX Multi Carrier is fitted for the first time to the vehicle, in some cases it may be necessary to make simple adjustments, especially in relation to stabilization, which should also be performed by the dealer.

### WARNING

Remember that when mounting and coupling with attachment tools other than GreenTec produced or approved, it is the sole responsibility of each operator alone, to ensure that the vehicle and the entire machine comply with the applicable requirements and relevant directives!

When installing with other makes of attachment tools than GreenTec, a new risk assessment of the equipment used must be submitted!



If an unapproved attachment tool is mounted on the FOX Multi Carrier, the risk assessment basis lapses, and thus the validity and guarantee of the declaration of conformity!

### 5.2.1 PREPARATION OF VEHICLE


Before using GreenTec machines, it is important that the vehicle is properly prepared. This must be done both to achieve maximum safety and ensure optimal operation and stability of the vehicle.

As extra safety, safety glass / windows (polycarbonate), safety nets and / or other protective devices can be fitted to the vehicle when used with our machines.

In general, the driver of the vehicle should always wear safety equipment to reduce the risk of serious injury such as:

-  Eye protection: Mesh / visor (DIN / EN1731) and / or safety goggles (DIN / EN166)
-  Hearing protection (DIN / EN352), safety helmet (DIN / EN297), gloves and visible work clothes.

If the vehicle is without a cab, safety goggles / fenders, hearing protection and a helmet MUST be used:

-  Bare skin should be protected with suitable thick clothing against any. plant debris that could hit the driver of the vehicle.

### 5.2.2 MOUNTING AND CONNECTION OF THE MACHINE (i)

### DANGER

Never use the FOX Multi Carrier with a mounted attachment tool on an unstable or unsuitable vehicle!

There must be no people or animals near the vehicle due to the risk of collision and / or overturning!

### WARNING

The mounting and connection of the machine may only be carried out by professionals who have knowledge and understanding of hydraulic systems, to avoid contamination of the environment, leaks, and contamination of the closed hydraulic system!

### WARNING

Mounting of any machines on a vehicle must take place on a level and safe surface.  
Great care must always be taken when fastening the FOX Multi Carrier to the vehicle!

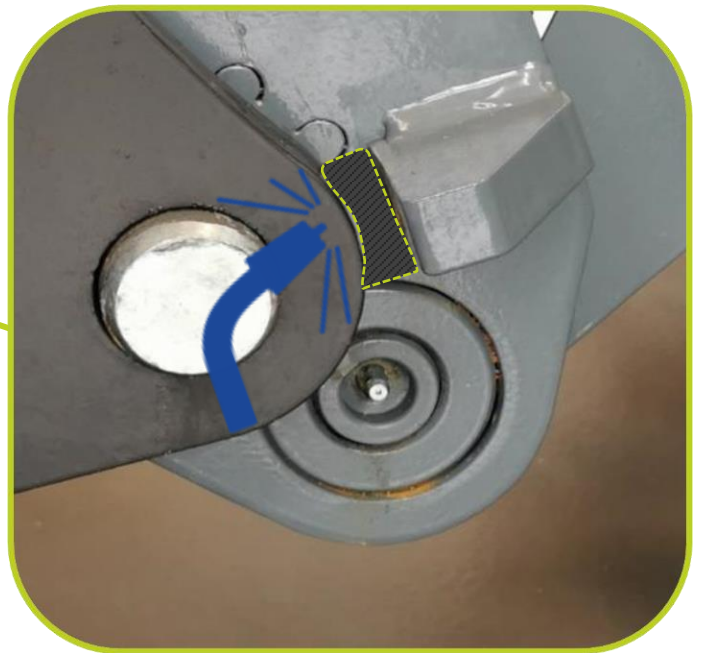
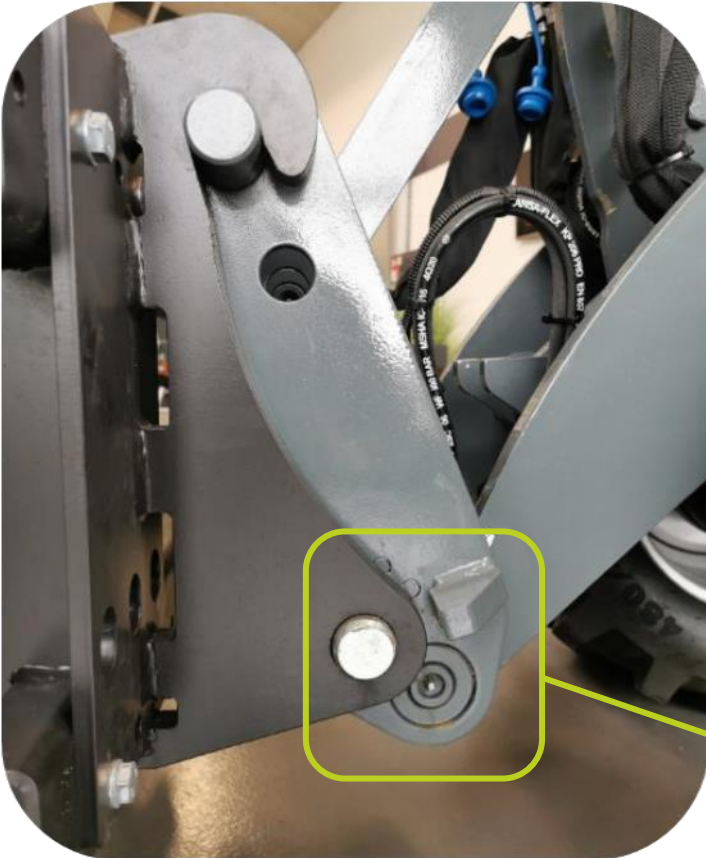
### 5.2.3 FITMENT / ADJUSTMENT OF LOADER BRACKET OR 3-POINT LINKAGE

## NOTICE

When using mounting brackets, there should be an expectation of fitting the brackets onto the vehicle.

The correct distance for mounting the brackets can always be found under the individual device on GreenTec's [website](#).

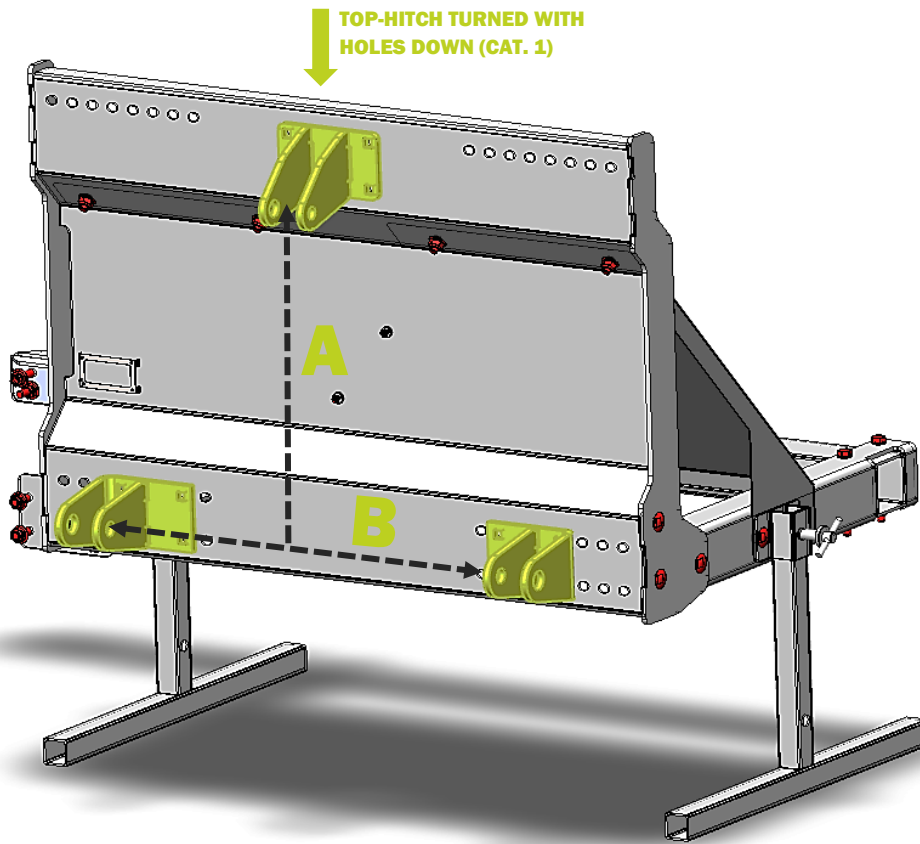
In many cases, a "stop" will have to be welded to the bracket where the vehicle's stop is located, to ensure that the holes on the bracket always are directly in front of the locking mechanism of the vehicle used (See illustration below).



# NOTICE

When using a 3-point linkage, the brackets for the hitches must be adjusted based on Category 1 & 2 on the 3-point hitch linkage of the vehicle used.

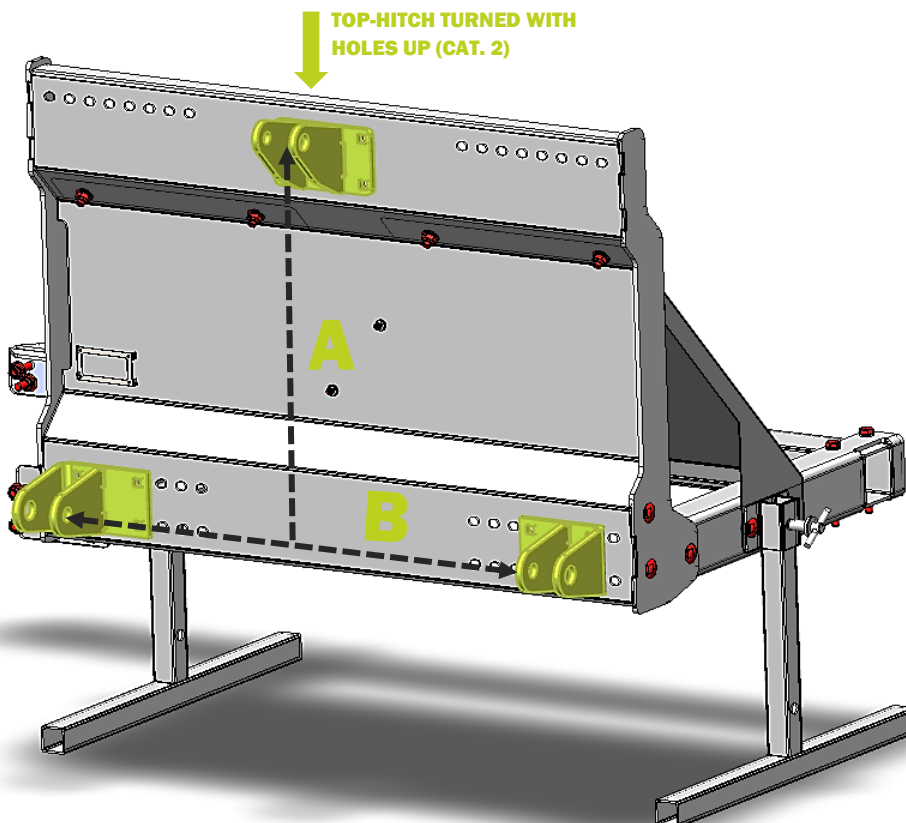
The stated dimensions are in accordance with ISO 730: 2009 (Agricultural wheeled tractors – Rear-mounted three-point linkage – Categories 1N, 1, 2N, 2, 3N, 3, 4N and 4)



## CATEGORY 1:

**A = 460 mm**  
± 1.5 mm

**B = 683 mm**  
± 1.5 mm



## CATEGORY 2:

**A = 610 mm**  
± 1.5 mm

**B = 825 mm**  
± 1.5 mm

## CATEGORY 1:

## 5.2.4 ASSEMBLY OF FOX MULTI CARRIER



Before assembling the machine, check that the following components are all present, for proper assembly of the FOX Multi Carrier.

Pay special attention to hydraulic hoses and fittings being assembled and installed in a clean environment to prevent dirt and grime from entering the hydraulic system.

BILL OF MATERIAL: MAIN FRAME		
Varenummer:	Description:	Pcs:
(6701837):	(Fox main frame):	
6701837.3	Side beam: right	1
6701837.4	Bracing beam: bottom	1
6701837.5	Square profile pipe 80*80*4 L 1150	1
6701837.6	Bracket for support leg	2
6701837.13	Bracket for hydraulic hoses	1
6701837.14	Front plate	1
6701837.15	Square profile pipe 70*70*5 L1150 m	1
6701837.18	Side beam: left	1
6701969	Support leg	2
2770487	Steel bolt M12x120 8.8	4
6701984	Locking nut M12	22
6701641	Washer Ø13	4
6310220	Safety bolt w / ring split	3
6701963-25 / 40	Flow regulator 25 ell. 40 l/min.	1
6702233	Steel bolt M6x60 8.8	1
9040187	Locking nut M6	2
6702232	Washer Ø6,4/17/3	4
6701965	Steel bolt M12x25 8.8	18

Table 10 – Parts list of components for assembly: FOX main frame

BILL OF MATERIAL: ADAPTER OG HYDRAULIC COMPONENTS (OPTE1258)		
Item no.:	Description:	Pcs:
6702450	Adapter RI60-80 / FOX	1
931121002	Steel bolt M12x100 8.8	4
8222005	Spring washer Ø12.2	8
6701984	Locking nut M12	8
2770397	Steel bolt M12x45 8.8	4
9008001	Sticker blue "Drain"	1
9008002	Sticker red "Pressure"	1
9008003	Sticker green "Return"	1
	Hydraulic hose 3/4" 150 bar (return hose)	2
	Hydraulic hose 1/2" 275 bar (pressure hose)	2
	Hydraulic hose 1/4" 260 bar (drain hose)	1
65.042.20	Hose sleeve 1.65 m	1
65.042.20	Hose sleeve 1.95 m	1
6703028	Quick coupling male 1/2"	3
9040116	Fitting 15L - 1/2"	3
9020308	Fitting 22L - 1/2" w.o nut	3
6702240	Fitting 15L - 3/4" w.o nut	3
9020111	Fitting 22L - 3/4"	1
9020307	Fitting 10L - 1/2"	1

Table 11 – Parts list of components for assembly: adapter and hydraulic components

When using a **3-point linkage**, it is further checked whether the following components are present:

BILL OF MATERIAL: 3-POINT LINKAGE: (OPTE1257)		
Item no.:	Description:	Pcs:
6702227	FOX linkage Cat. 1/2 bottom	2
6702228	FOX linkage Cat. 1/2 top	1
6701973	Linkage bolt Cat 1/2	2
6701972	Toplink doubl. 19/25	1
9040213	Ring split	3
6701965	Steel bolt M12x25 8.8	12
6701984	Locking nut M12	12


Table 12 – Parts list of components for assembly: 3-point linkage

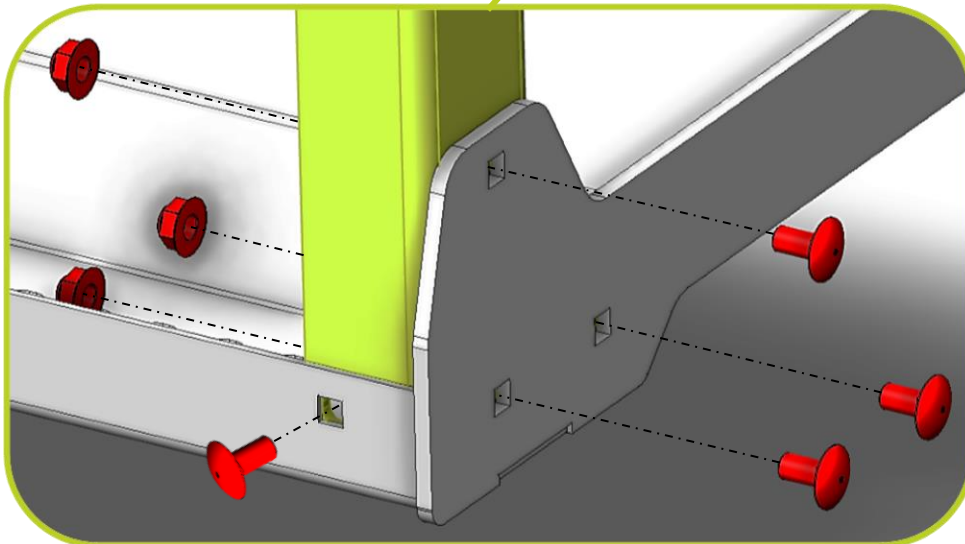
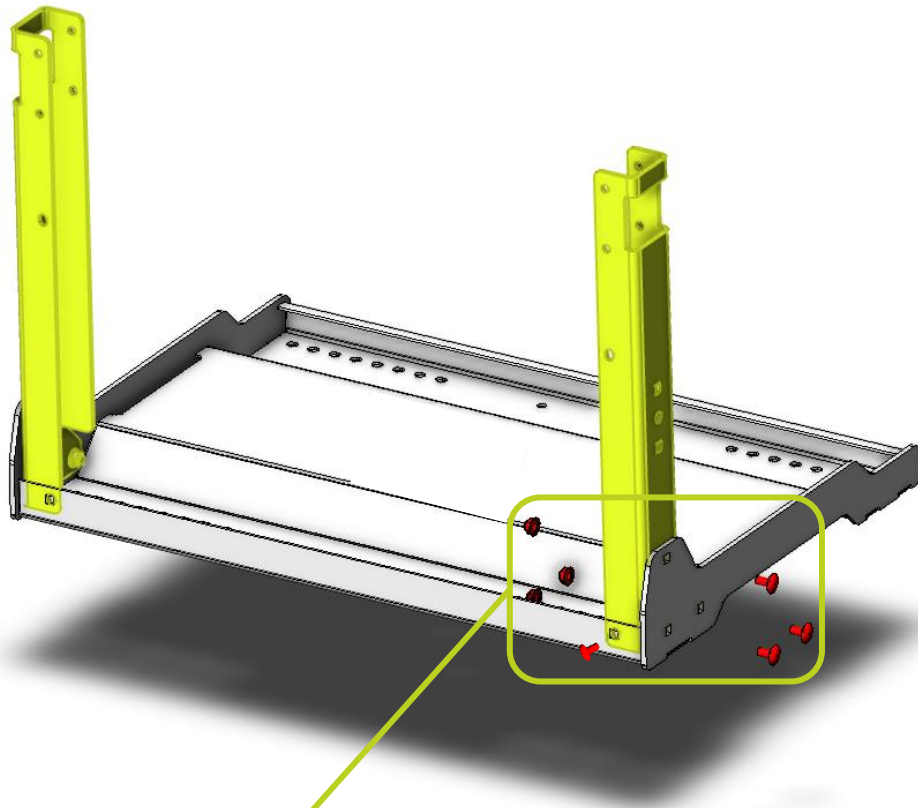
When using a **mounting bracket**, further check whether the following components are present:

BILL OF MATERIAL: MOUNTING BRACKET (OPTE-xxxx)		
Item no.:	Description:	Pcs:
(Type-specific)	Mounting bracket	2
8362006	Steel bolt	8
8362005	Locking nut	8
8222005	Spring washer	16

Table 13 – Parts list of components for assembly: mounting bracket.

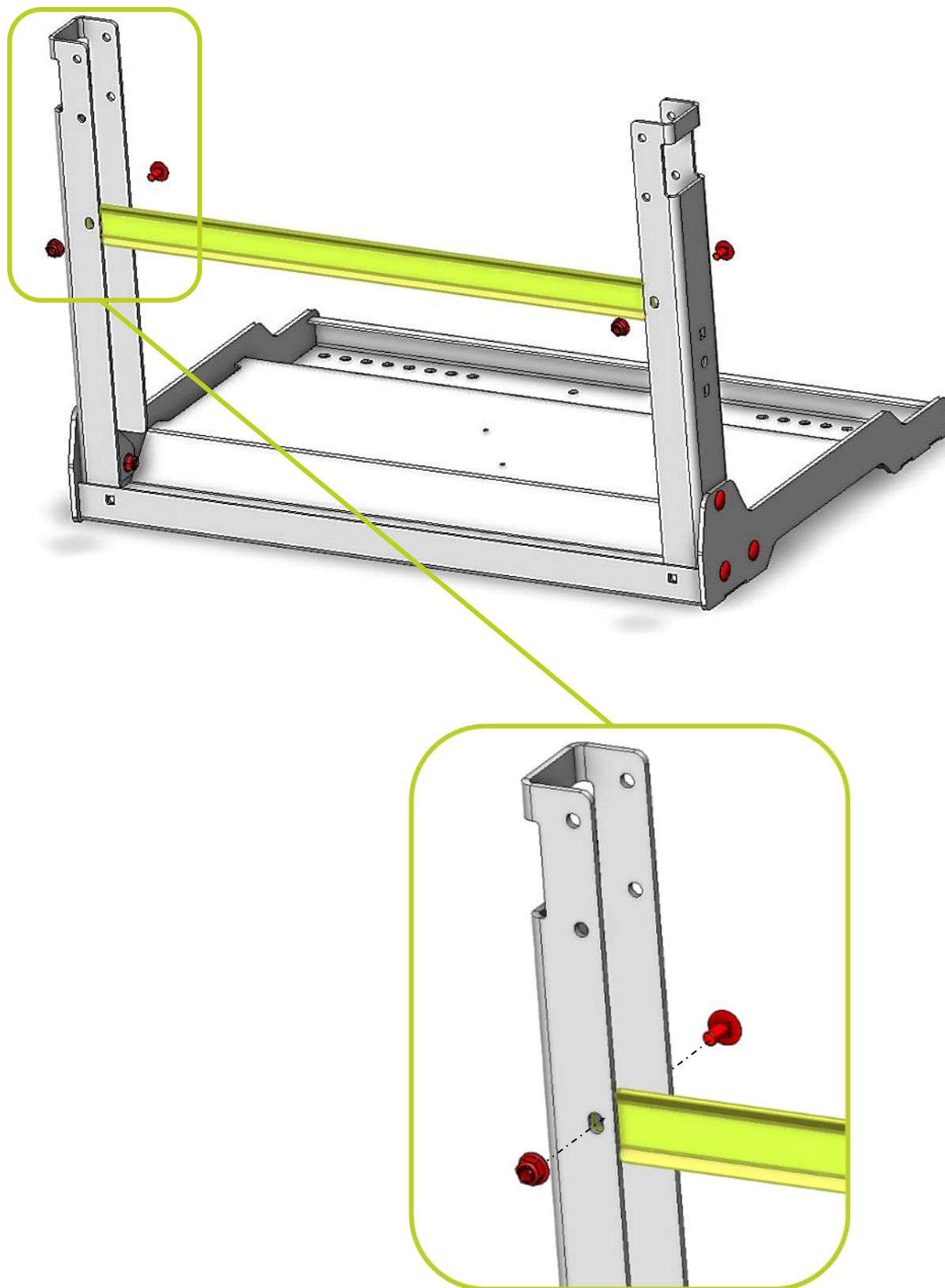
1. Place the **back plate** on a flat surface (e.g. transport pallet) and mount **side beams right / left** on each side using M12x25 bolts (x4) and M12 locking nuts (x4).

 Bolts and nuts are tightened loose.



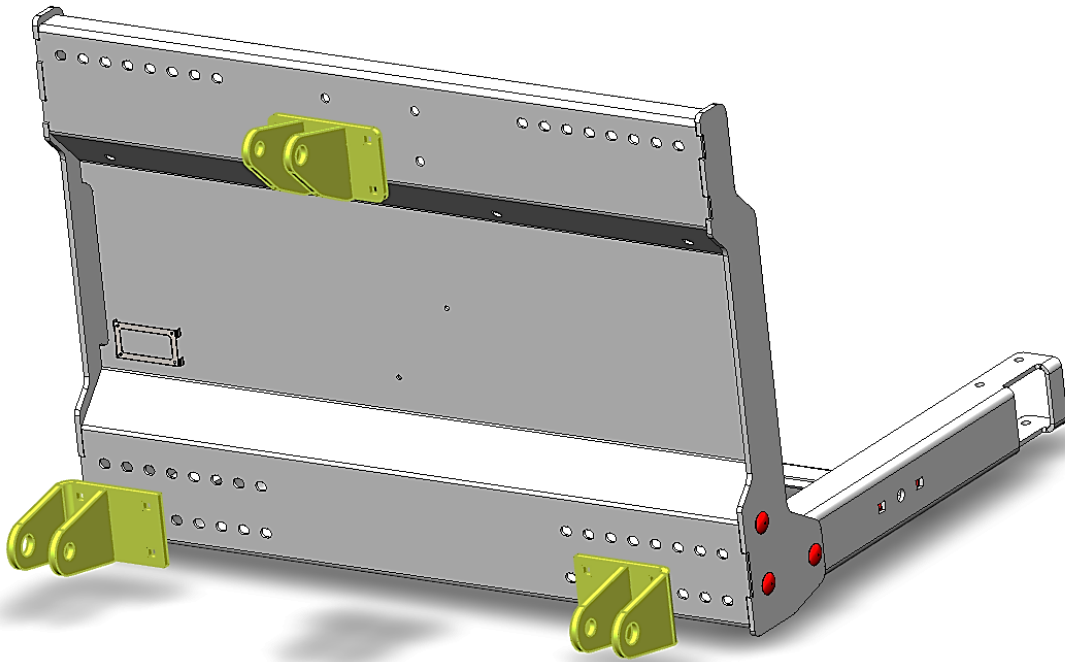
2. Mount the **bracing beam** (x1) between the two side beams using M12x25 bolts (x2) and M12 locking nuts (x2).

🌿 Bolts and nuts are tightened loose.



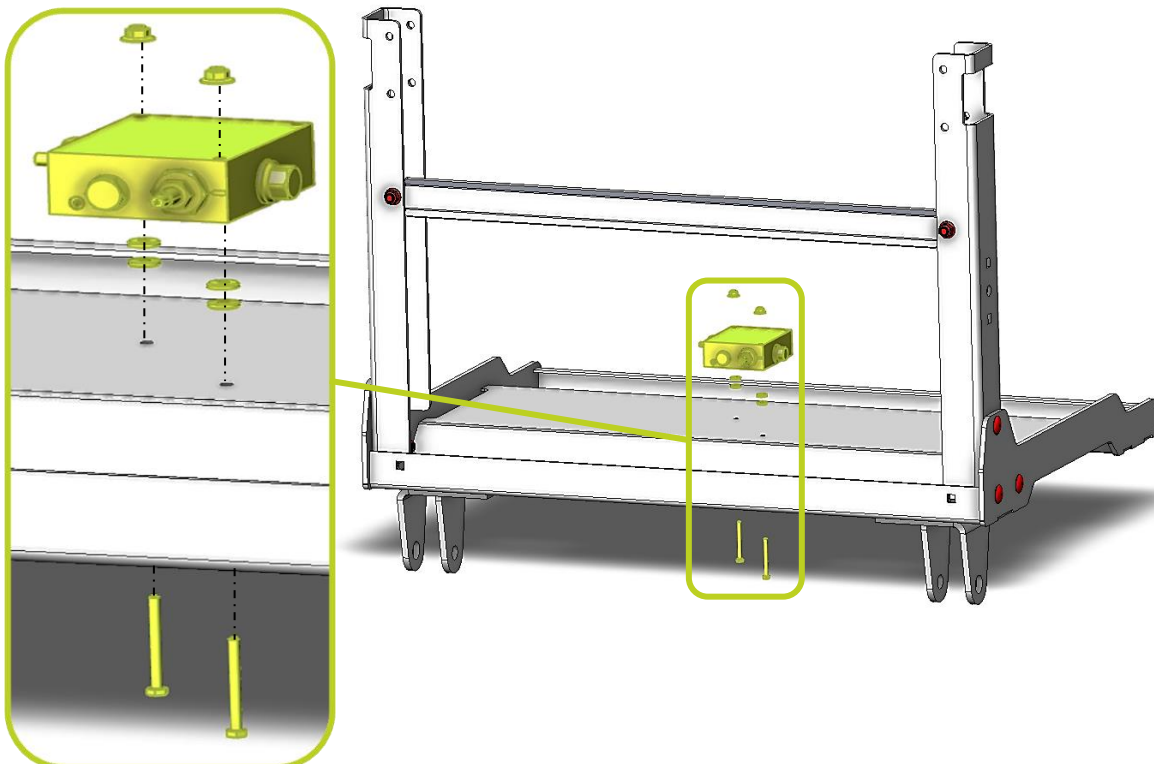
3. Raise the back plate vertically, with side beams and bracing beam fitted.  
Mount either the **mounting-bracket** or **3-point linkage** on the back plate using M12x25 bolts (x12) and M12 lock nuts (x12) (*3-point linkage is shown in this assembly guide*)

🔧 Tighten bolts and nuts to **93 Nm**.

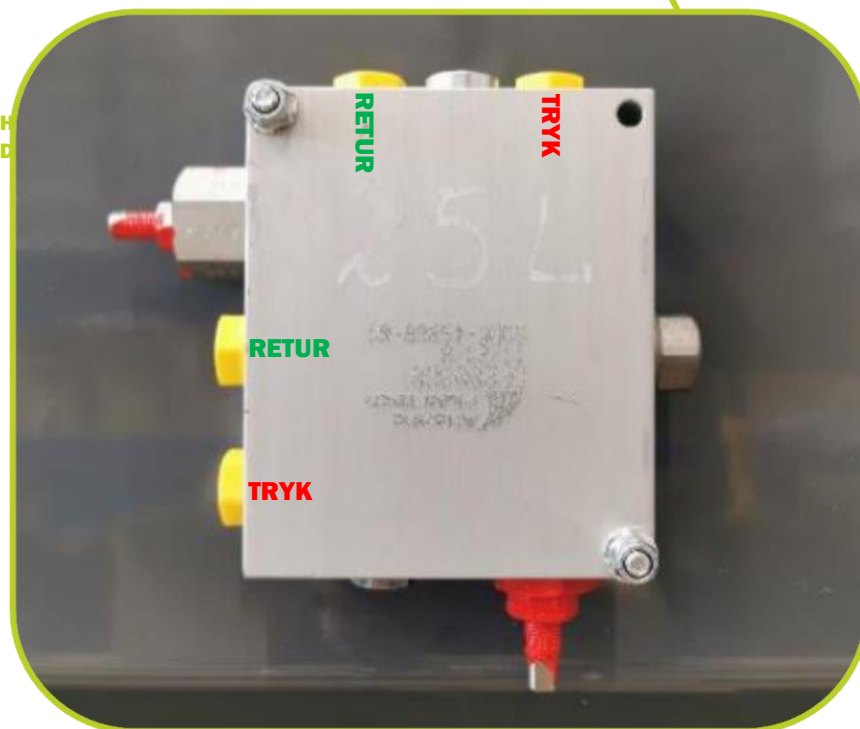
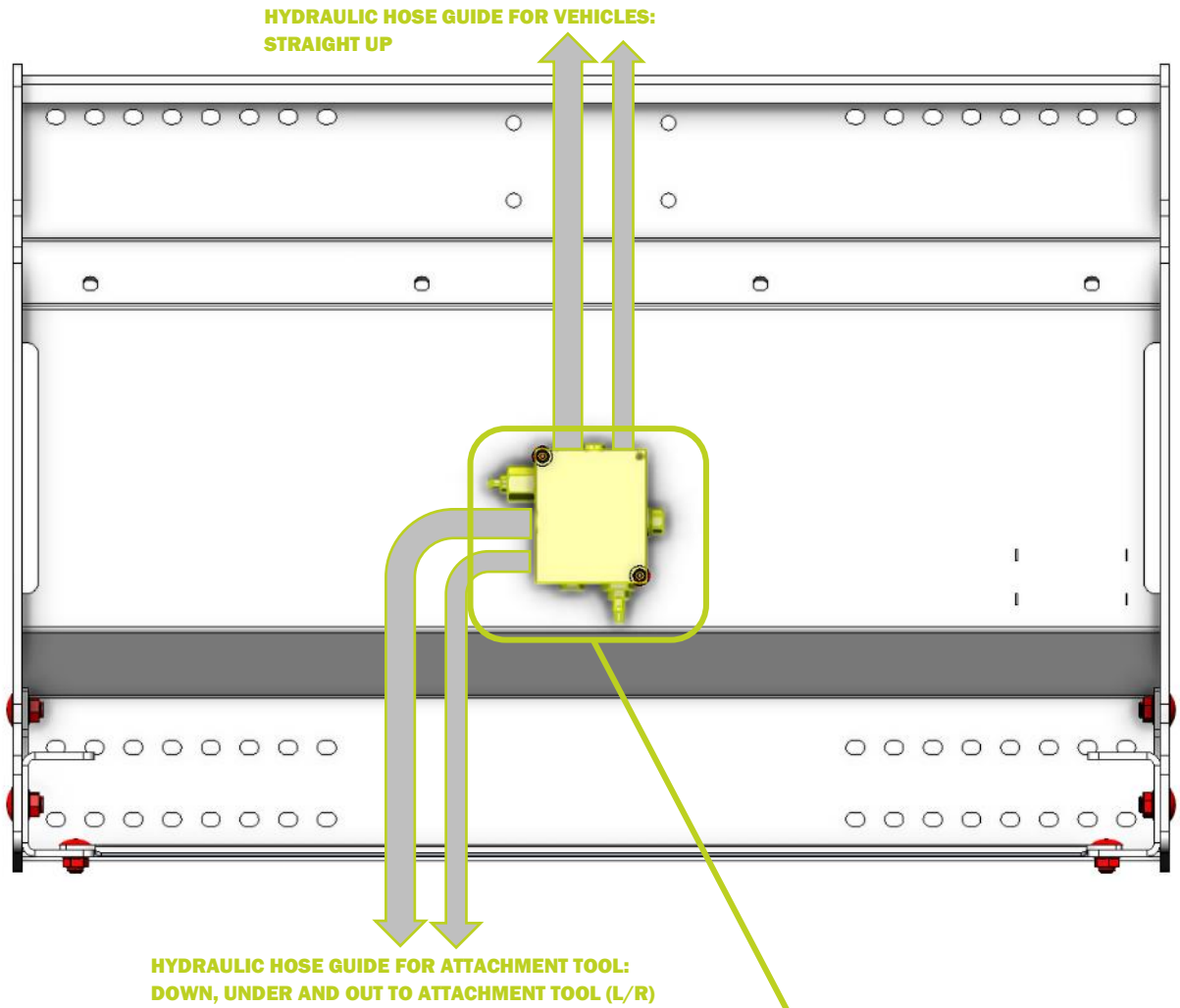


4. Lay the back plate flat again so that it supports on the brackets / linkages.  
Mount the **flow regulator** on the back plate in the two small holes in the middle of the plate, using M6x60 bolts (2x), washers (x4) and M6 locking nuts (2x)

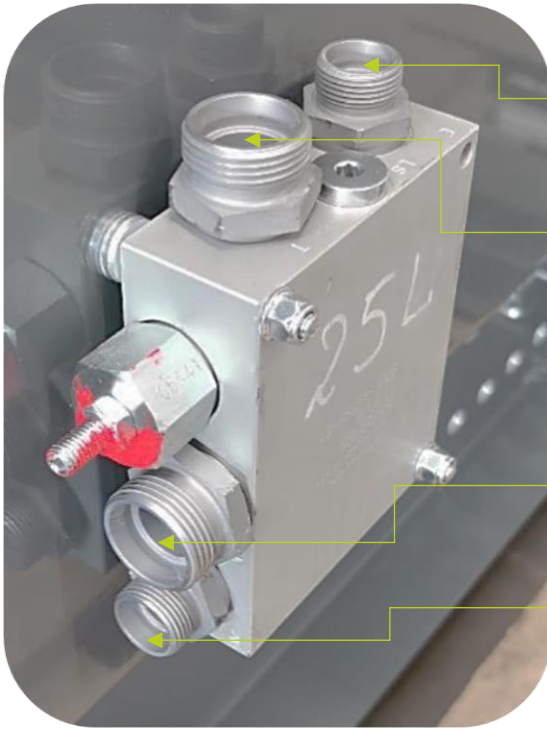
🔧 Tighten bolts and nuts to **11,3 Nm**



- Make sure to install the oil volume divider for proper hose routing, as shown in the picture below with the back plate **seen from the front**:



5. When the **flow regulator** is attached to the back plate, remove the yellow plugs, and mount the fittings in sizes as in the following picture:



**1/2" (L15)**

**3/4" (L22)**

**3/4" (L15)**

**1/2" (L22)**

6. Prepare and then install **hydraulic hoses** (x5) for the flow regulator using the supplied fittings. The 5 hydraulic hoses are in different sizes and lengths, and must be identified as follows:

🌿 Pressure hoses (to be marked with **red stickers**)

- 1. pcs. 1/2" 275 bar, 1950mm (connected from flow regulator to vehicle)
- 1. pcs. 1/2" 275 bar, 2470mm (connected from flow regulator to attachment tool)

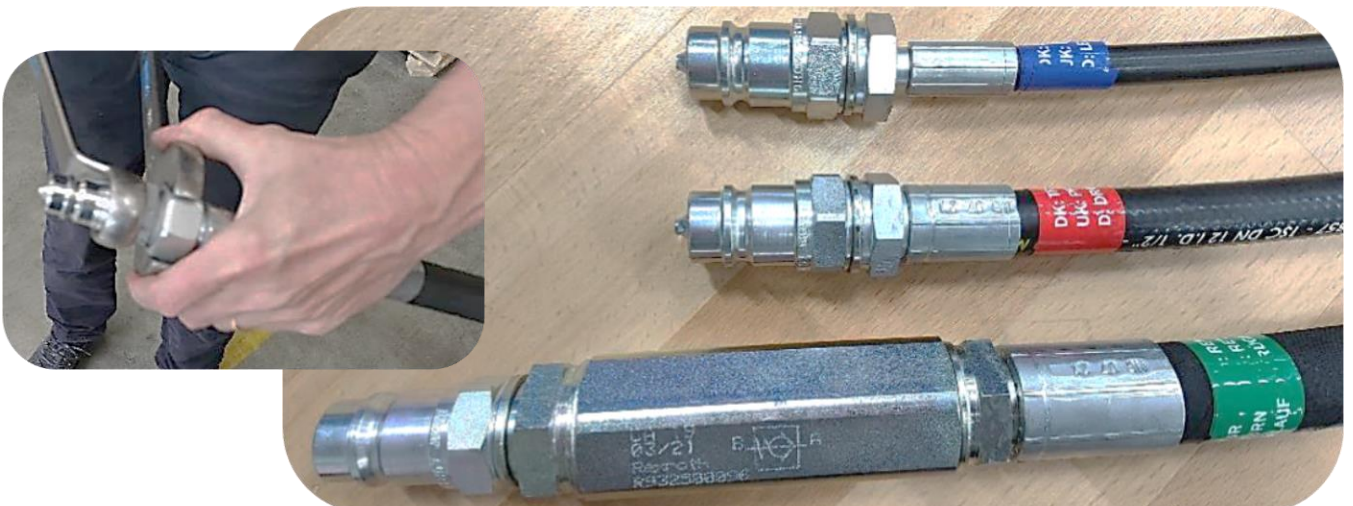
🌿 Return hoses (to be marked with **green stickers**)

- 1. pcs. 3/4" 150 bar, 1940 mm (connected from flow regulator to vehicle)
- 1. pcs. 3/4" 150 bar, 2540mm (connected from flow regulator to attachment tool)

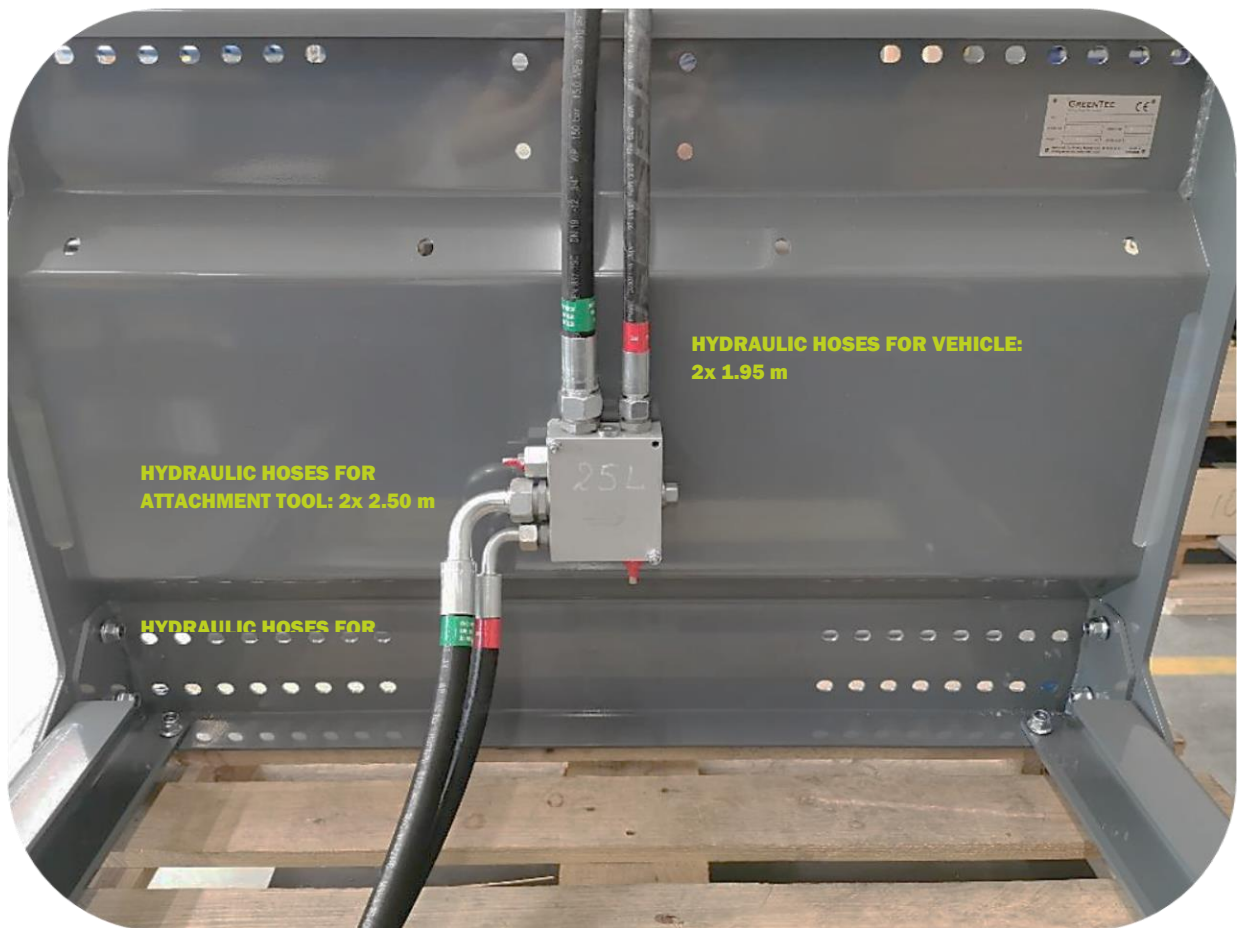
🌿 Drain hose (to be marked with **blue sticker**)

- 1. pcs. 1/4" 260 bar, 4650mm (connected directly to a pressureless tank from attachment tool)

All 3 hoses of 1940-1950mm are mounted with Quick couplings male 1/2" incl. fittings for connection to tractor / vehicle:



🌿 All 4 hoses for **pressure** and **return** are connected to the flow regulator as shown in the following picture:



7. Tighten **ALL** hoses and fittings according to the values in the following table:

TIGHTENING TORQUES FOR HYDRAULIC CONNECTIONS		
BSP-standard: Hydraulic fittings (± 5%)		
BSP-size:	Hose fittings (Nm):	Nipples (Nm):
1/4"	24 Nm	34 Nm
1/2"	44 Nm	102 Nm
3/4"	84 Nm	183 Nm

Table 14 - Tightening torques when assembling and mouting flow regulator and hydraulic hoses

## NOTICE

Fittings and nipples are in adapted sizes, which ensures trouble-free installation of hydraulic hoses.

## WARNING

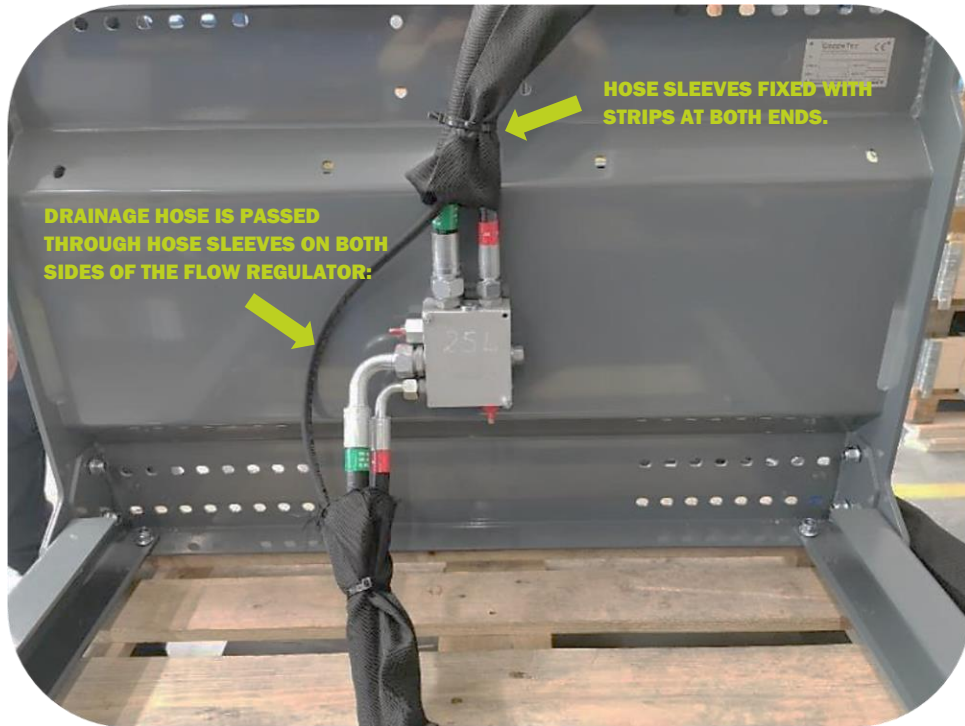
Pay special attention to the hydraulic hoses and fittings being assembled and installed in a clean environment to prevent dirt and grime from entering the hydraulic system.

8. Install the **hose sleeves** on all hydraulic hoses. 2 different lengths are included:

- 🌿 1.65 meters → mounted on hydraulic hoses leading to vehicle.
- 🌿 1.95 meters → mounted on hydraulic hoses leading to attachment tool.

Strips for attaching hose sleeves are included.


**The drain hose (blue sticker) is guided all the way through the hose sleeves from the attachment to the vehicle as shown in the picture below. The drain hose must always be led directly into a pressureless tank!**

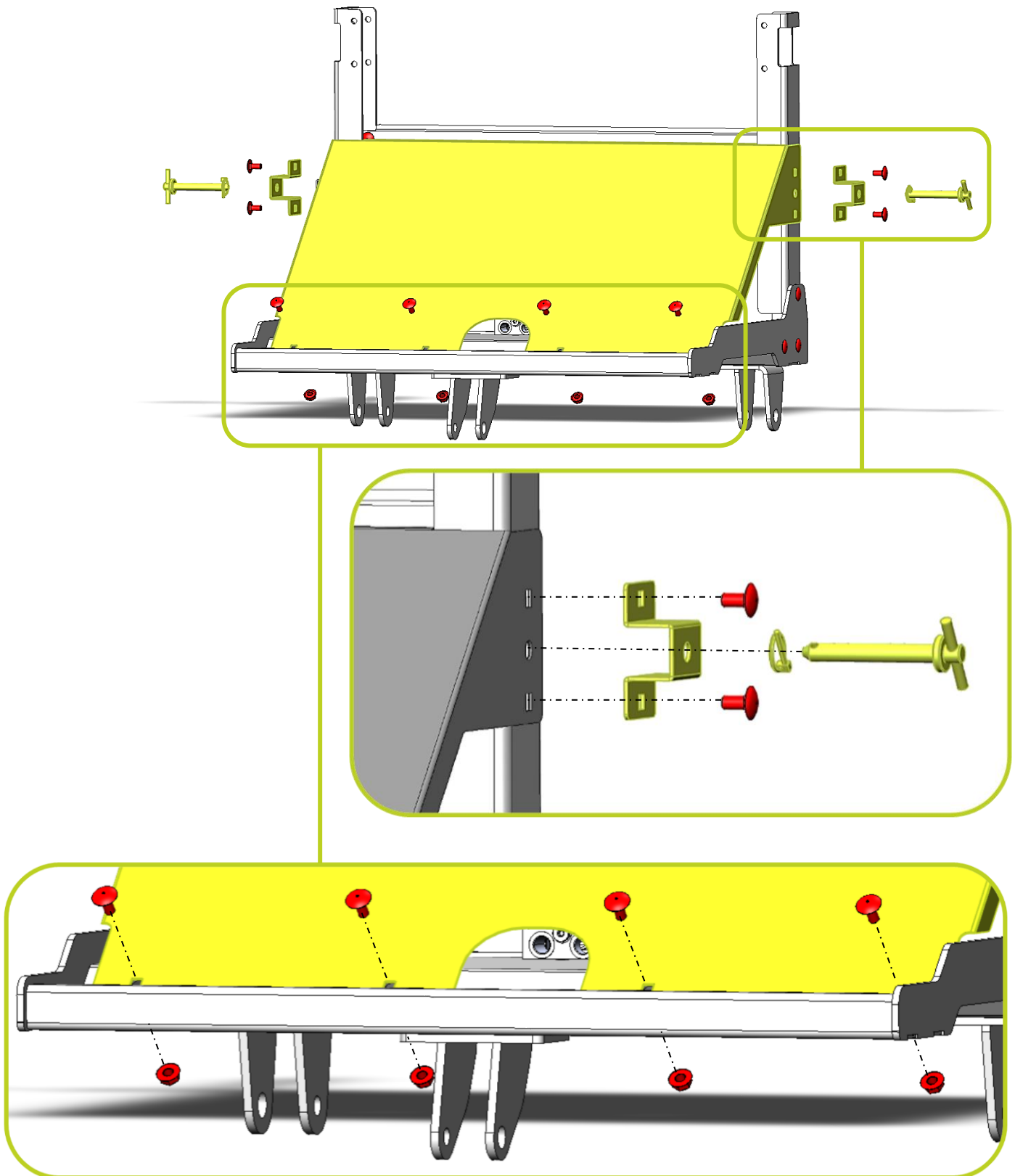


Before fitting the front plate, make sure that the hydraulic hoses with hose sleeves can be routed as in the following picture:



9. Mount **front plate** (x1) incl. **support leg brackets** (x2) using M12x25 bolts (x8) and M12 locking nuts (x8). Safety rivets with ring split are placed in the hole on the support leg brackets for later mounting of support legs.

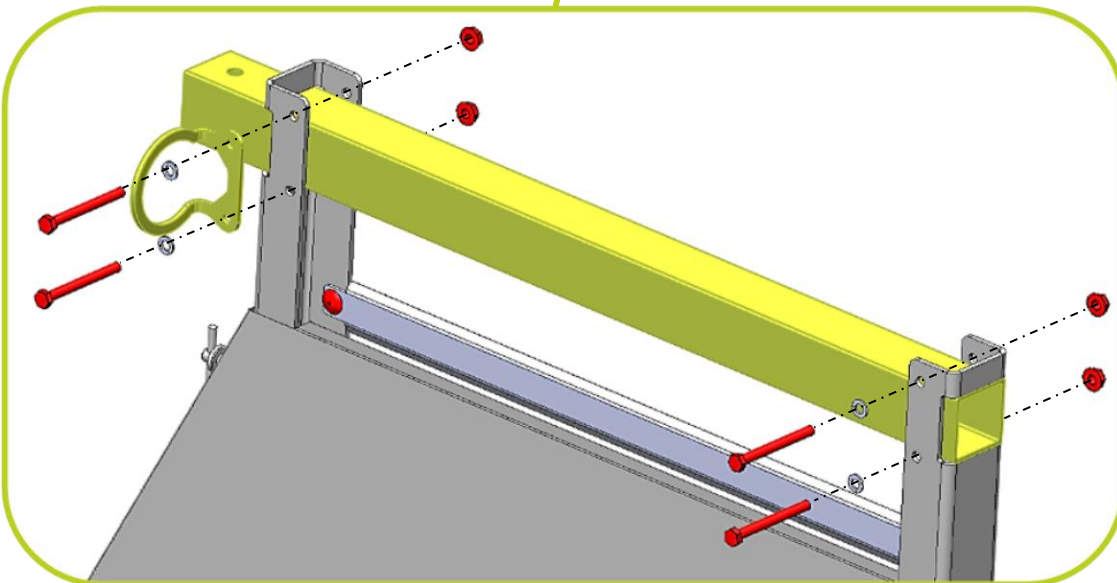
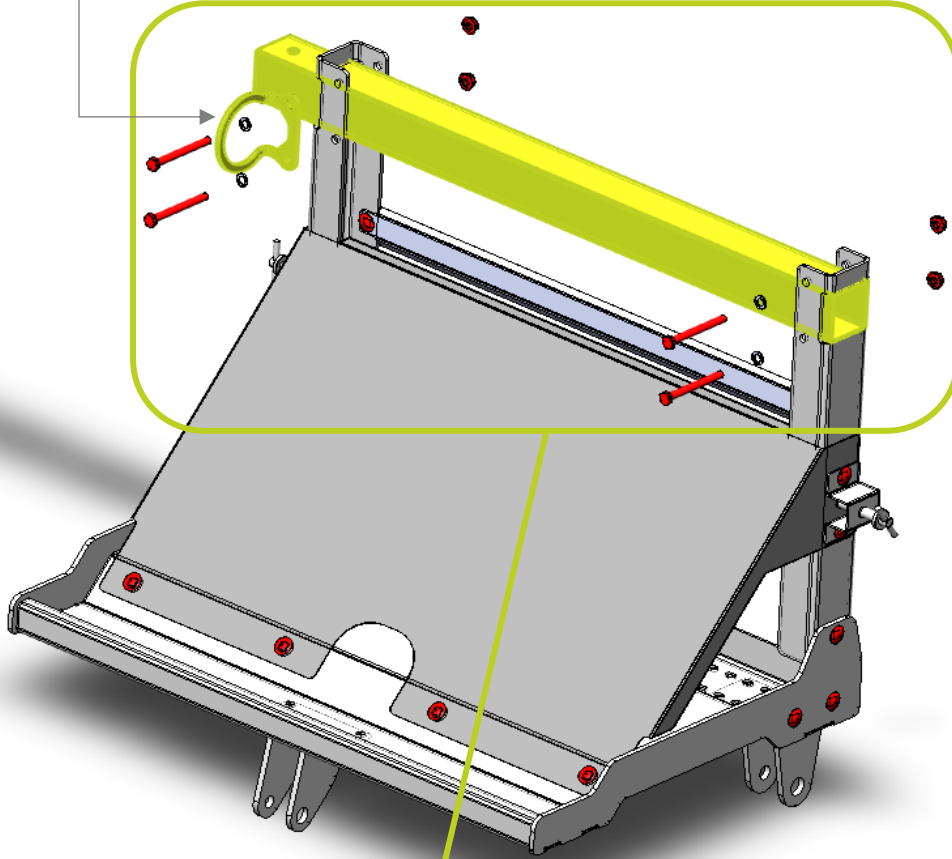
 Tighten bolts and nuts to **93 Nm**



10. Mount the **square profile pipe** for the telescopic arm (x1) in the cut-outs on the side beams, using M12x120 bolts (x4), washers (x4) and M12 nuts (x4). Tighten bolts and nuts to **93 Nm**.

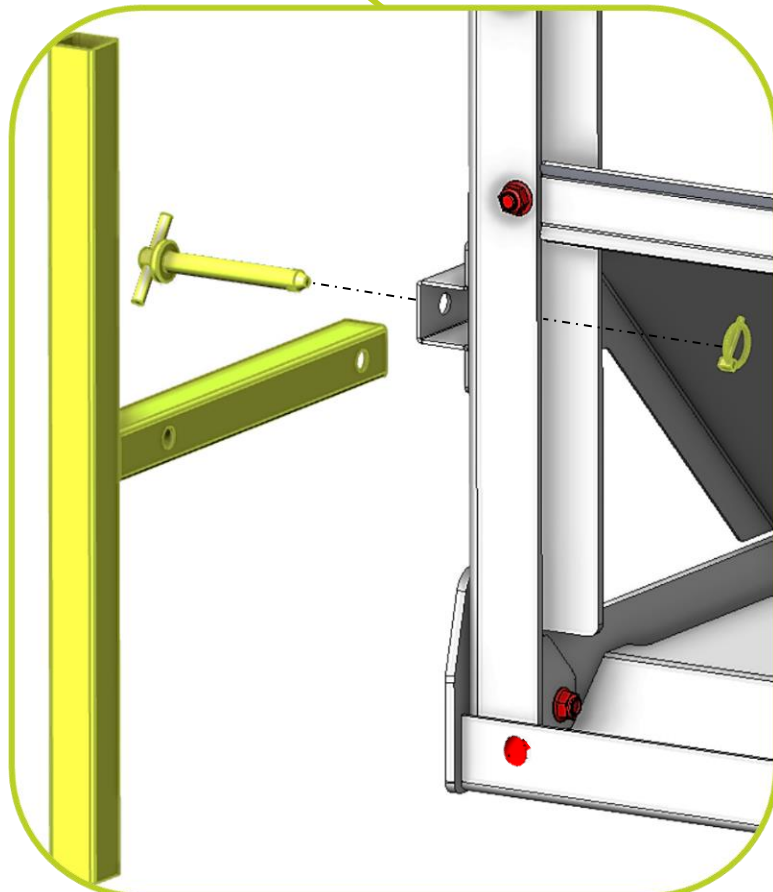
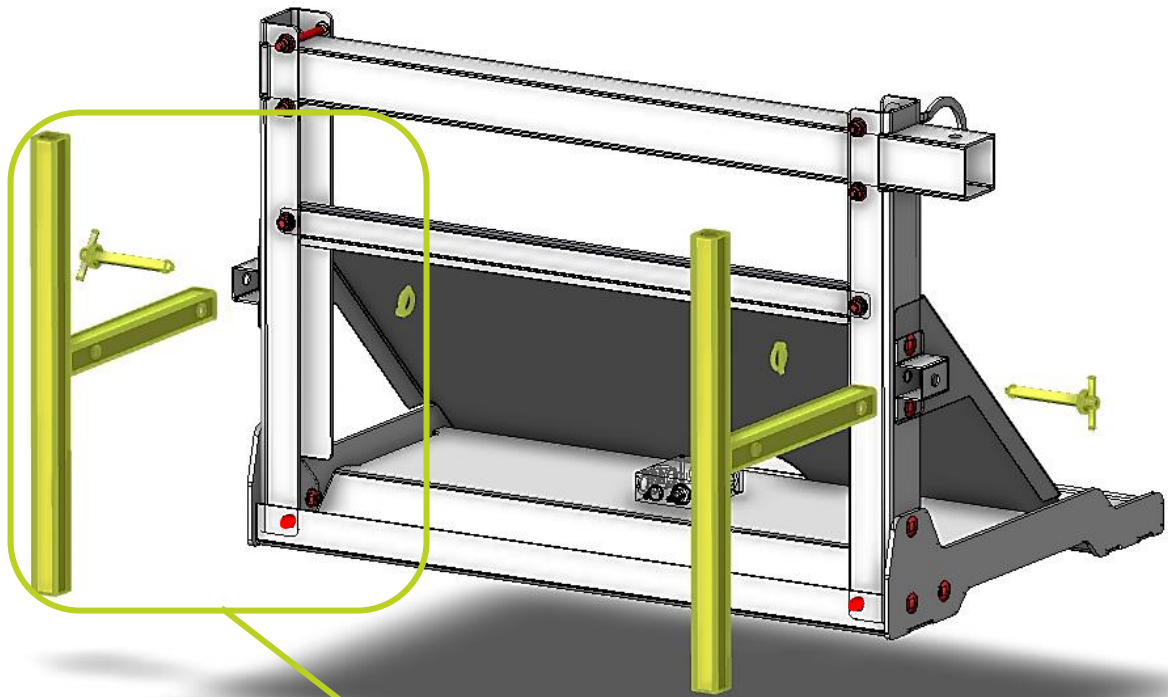
🌿 The profile pipe for the telescopic arm must be mounted, so that the arm is either turned to the right or left.

🌿 The **hose bracket/holder** is mounted in between, on the side in which the attachment tool is to be used later on.

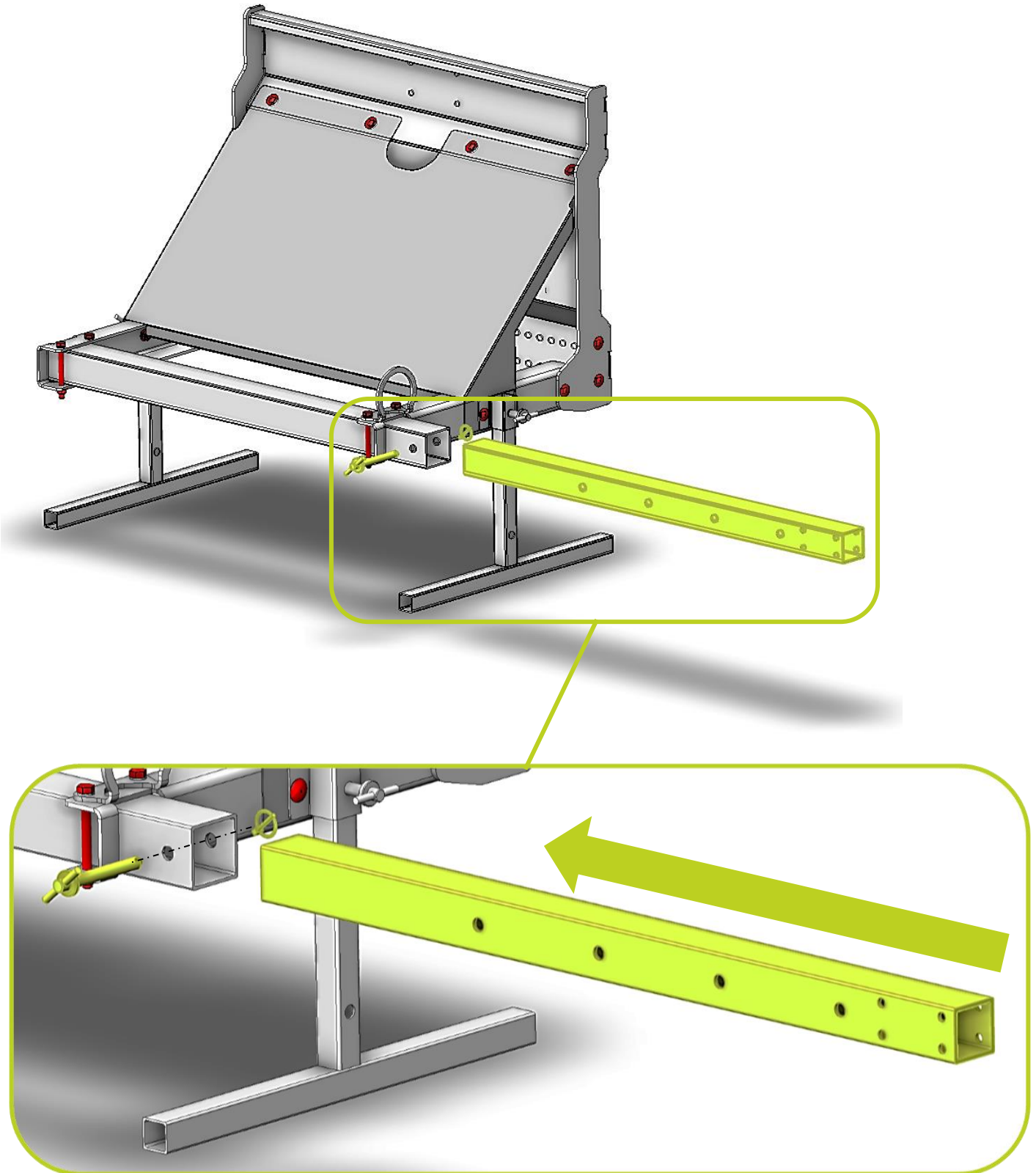


11. Mount the **support legs** (x2) on each side of the FOX Multi Carrier using safety rivets with a ring split in the holes at the support leg holders. Use the top hole here as shown below.

👉 The machine can now be raised from the back plate and placed on the support legs.



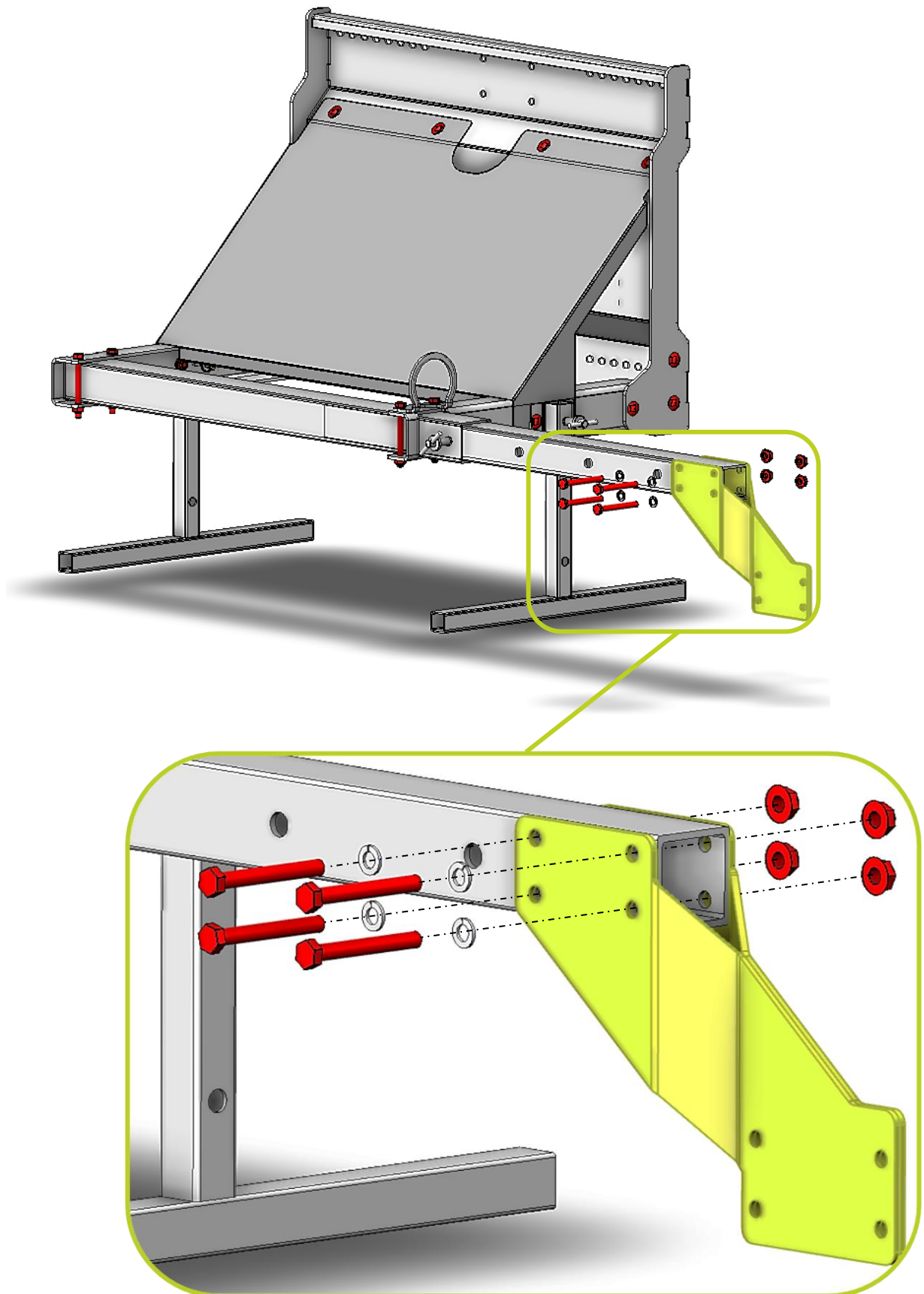
12. With the machine upright, the **telescopic arm** for the attachment tool can now be mounted in the square profile pipe using a safety rivet with a ring split.



13. After attaching the telescopic arm, an **adapter for the attachment tool** can now be fitted. The adapter is clamped on the telescopic arm using M12x100 bolts (x4), washers (x4) and M12 nuts (x4)

🌿 Tighten bolts and nuts to **93 Nm**

🌿 *The FOX Multi Carrier is now ready for mounting of attachment tools!*



## 5.2.5 INSTALLATION / MOUNTING OF ATTACHMENT TOOL ON THE FOX MULTI CARRIER

### NOTICE

For further instructions on mounting a specific attachment tool on the FOX Multi Carrier, always refer to the individual attachments tool's instruction manual and instructions therein.

Instruction books and other materials are always available on GreenTec's website: [Technical documentation - GreenTec attachment tools](#)

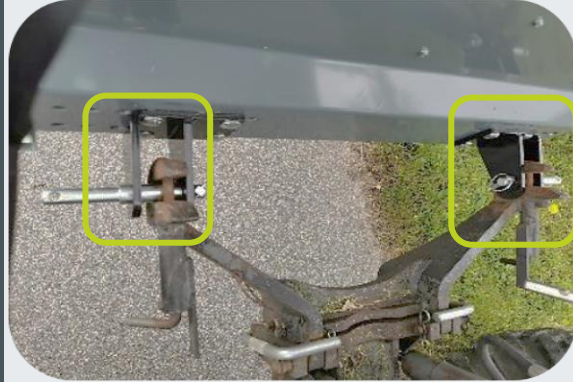
## 5.2.6 MOUNTING THE FOX MULTI CARRIER ON VEHICLE

### MOUNTING WITH 3-POINT LINKAGE:

1. Adjust and carefully drive the vehicle's lift arms to the 2 lower linkages on the FOX Multi Carrier.

The vehicle is carefully steered so that the vehicle's lift arms are adapted to the lower 2 linkages.

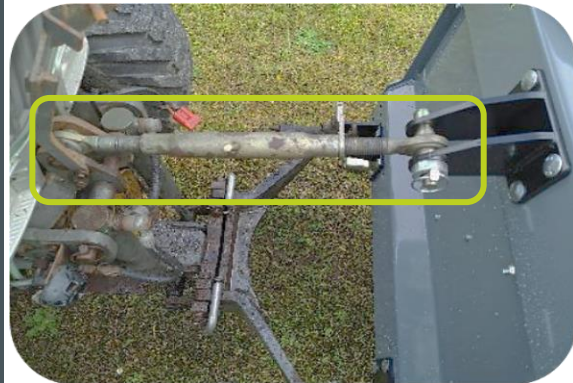
The lift arms are secured by the means of locking the safety rivets through the linkages.



2. The top link from the vehicle is adjusted to the upper linkages on the FOX Multi Carrier.

Be sure to adjust the top link so that the FOX Multi Carrier hangs vertically.

The multi-carrier must not be tilted either forwards or backwards towards the vehicle.



3. Carefully start lifting the FOX Multi Carrier.

The FOX Multi Carrier support legs are mounted on both sides using safety rivets with ring splits.

The supporting legs are now adjusted up to the working position via the bottom hole.



## MOUNTING WITH LOADER BRACKET

1. Adjust and carefully drive the vehicle's front loader into the loader bracket on the FOX Multi Carrier.

The vehicle is carefully steered so that the **vehicle's front loader is driven into the hooks on the loader bracket.**

2. Make sure that the hooks from the loader bracket have a firm grip on the front loaders lift arms.

3. Lock the front loaders locking mechanism.

Here it is important to follow the instructions for adjusting to the different types of loader brackets and/or 3-point linkage.

(See section on: [Fitment / adjustment of loader bracket or 3-point linkage](#) – page 25 - 26)

4. Carefully start lifting the FOX Multi Carrier from the transport pallet / ground.

FOX Multi Carrier support legs are mounted using a safety rivets with ring split.

These are now adjusted up to the working position via the bottom hole.

## CONNECTION OF HYDRAULIC HOSES:




**CAUTION**

Always remember to pay attention to impurities when connecting hydraulic hoses.

Dirty hydraulic couplings **MUST** be wiped / washed / cleaned before connecting the hoses.



3 types of hydraulic hoses must be fitted from the vehicle, through the FOX Multi Carrier and out to the attachment tool.

-  Drain hose → goes directly in **pressureless tank (blå)**
-  Pressure hose → **connected to machine (rød)**
-  Return hose → **connected to machine and vehicle (grøn)**

5. Hoses for the vehicle are fitted with quick couplings and hoses for attachment tools are fitted with standard hydraulic fittings.



Table 16 – Guide on installation and connection of FOX Multi Carrier

**CAUTION**

Hydraulic hoses must be routed and mounted so that they can move freely with the vehicle's movements, without getting caught, detached, or otherwise damaging the machine or equipment!

## DATA SHEET FOR HYDRAULIC CONNECTIONS: FOX MULTI CARRIER

**DRAIN:** connected to drain sockets on FOX Multi Carrier and vehicle

DK: DRÆN	DK: DRÆN	DK: DRÆN	DK: DRÆN
UK: DRAIN	UK: DRAIN	UK: DRAIN	UK: DRAIN
D: LECK	D: LECK	D: LECK	D: LECK



- 🌿 The smallest hose is for the DRAIN: **marked with BLUE.**
- 🌿 The hose is connected to a pressureless (0 bar) tank connection.

### ⚠ CAUTION

Drain hose **must not** be connected to RETURN!

- 🌿 Drain pressure **must never** exceed **2.0 bar** at the engine.
- 🌿 Failure to do so will damage the hydraulic motor and void the warranty.

**PRESSURE:** connected to pressure sockets on the FOX Multi Carrier and vehicle.

DK: TRYK	DK: TRYK	DK: TRYK	DK: TRYK
UK: PRESSURE	UK: PRESSURE	UK: PRESSURE	UK: PRESSURE
D: DRUCK	D: DRUCK	D: DRUCK	D: DRUCK



- 🌿 The mid-size hose is for the PRESSURE: **marked in RED.**

### ⚠ CAUTION

Pressure specifications for the given motor should be observed!  
([Table 9](#) – page 21)

**RETURN:** connected to return sockets on the FOX Multi Carrier and vehicle.

DK: RETUR	DK: RETUR	DK: RETUR	DK: RETUR
UK: RETURN	UK: RETURN	UK: RETURN	UK: RETURN
D: RÜCKLAUF	D: RÜCKLAUF	D: RÜCKLAUF	D: RÜCKLAUF



- 🌿 The biggest hose is for RETURN: **marked in GREEN.**
- 🌿 The hose is connected to the double-acting socket.
- 🌿 Minimum pressure: **5 bar (recommended)**
- 🌿 Max. back pressure **15 bar** at the engine.

Table 17 – Data sheet for hydraulic connections: FOX Multi Carrier

### ⚠ DANGER

There are drain connections on all GreenTec's motors, and drain connections **MUST** therefore be mounted directly in a pressureless tank  
(**Max. 2.0 bar on the motor drain return connection**)

It is a good safety to check the pressure by measuring, after the machine has been mounted.

The machine must be powered by hydraulic oil from the vehicle. The driver of the vehicle should have knowledge of how the oil should be handled

(Always see safety data sheet for the hydraulic oil used)

High pressure oil spray from damaged fittings or hydraulic hoses can penetrate the skin and cause serious injury.

## 5.2.7 DE-MOUNTING THE FOX MULTI CARRIER ON VEHICLE

De-mounting of FOX Multi Carrier takes place in reverse order, according to the section on: [Mounting the FOX Multi Carrier on vehicle](#) – page 40-43

### CAUTION

When de-mounting and replacing attachment tools, **always** check the hydraulic system for residual pressure!

**A possible residual pressure in the system, is reduced to zero (0 bar) before disconnecting the hydraulic hoses.**

## 5.2.8 STABILITY (o)

When driving with the FOX Multi Carrier, the operator must always be aware that the centre of gravity of the machine moves during work.

### DANGER

After installation and connection for the first time, it must always be ensured that the complete vehicle is stable enough to be able to carry the FOX Multi Carrier with the attachment tool fitted.

Especially that the vehicle is stable enough sideways, even when the machines works at a greater height and hangs on the side of the vehicle and is driven on an uneven surface, and / or in a turn!

### NOTICE

Depending on the weight and stability of the vehicle carrying the GreenTec machines, front, side or rear weights may be required to maintain a stable rear axle load on the opposite wheels from which the arm is mounted.

The following suggestions are indicative of stability only and are not intended to enhance the stability of the complete vehicle.

It is recommended that the dealer of the vehicle is contacted for specific advice on increased stability.

At the same time, a tire specialist should be contacted for advice and guidance on tire pressure for the vehicle on which it is desired to mount the GreenTec machines

### 5.2.8.1 CONTROL OF STABILITY:

#### CAUTION

Carefully examine the stability of the vehicle and the FOX Multi Carrier with the attachment tool mounted!





Slowly lower the FOX Multi Carrier all the way to low altitude. Let the attachment tool be at max. ½ meters above the ground.

(The attachment tool is **not** to be started under this procedure!)

#### Perform the following procedures:

1. Make sure the machine is in the working position with the arm fully extended.  
Let the mounted attachment tool be at max. ½ meters above the ground.
2. Carefully move the vehicle and / or front loader, as well as move the working angle of the attachment tool around the entire moving area from horizontal to vertical.
  - a. Is the vehicle stable on all 4 wheels?
  - b. Are the lift arms stable?
3. Is the vehicle stable when turning and driving around - even on uneven terrain?
4. An assessment is made in each individual situation, and it is the full responsibility of the operator and operator to ensure that the vehicle does not flip over or tip over. If the vehicle and GreenTec machines are stable, the FOX Multi Carrier can be moved higher step-by-step.
5. If the operator considers that the FOX Multi Carrier and the vehicle are not stable, the vehicle must be stabilized. (See here the instruction manual for the vehicle used)

### 5.2.8.2 STABILITY CAN BE INCREASED BY:



-  Mounting of counterweights on the vehicle.
-  Top up water in the tires of the vehicle  
(Always check with the tire manufacturer, and remember anti-freeze protection at temperatures near or below freezing)
-  Track width of the vehicle; the more the wheels are out, the greater the stability.  
(Always check with vehicle dealer)
-  Stabilizer on the front axle, especially on the working side of the FOX Multi Carrier and attachment tool.  
(Always check with vehicle dealer)

#### DANGER

It is very important that the operator understands the stability and that you **always** drive according to the conditions!

Never use the GreenTec machines on an unstable or unsuitable vehicle.

### 5.2.8.3 FACTORS INFLUENCING THE STABILITY:

-  The centre of gravity of the machine combination and the height being worked on, in combination with the weight hanging out on the side of the vehicle.
-  Weight, counterweight, track width and vehicle wheelbase.

- Acceleration, braking, turning and the relative position of the GreenTec machines during these manoeuvres.
- Nature of the terrain: driving uphill, downhill or on a slope? What is the type of substrate: soft, hard, or uneven?
- Pay special attention to the fact that articulated loaders laterally shift the weight balance the sharper they turn.

## 5.3 PREPARING THE MACHINE FOR USE

After complete assembly and connection of the FOX Multi Carrier on the vehicle, the following procedures is performed before commissioning the machine:

### 5.3.1 INITIAL START UP AND FIRST USE OF THE MACHINE

#### ⚠ CAUTION

Always start up carefully at first use and only drive in a private area until familiarity is achieved with the use of the FOX Multi Carrier with the attachment tool mounted!

#### ⚠ CAUTION

GreenTec recommends leaving the machine idling before use to heat the hydraulic oil before use.

It helps to spare the hydraulic components and significantly extend the life of both the hydraulic motor and pump!

### 5.3.2 PROCEDURES BEFORE USING THE MACHINE

The operator of the machine must **always** have read and understood the instruction material, both for the FOX Multi Carrier and for the attachment tool!

Before commissioning, make sure that the operator have completed all points and procedures in the following sections:

- [Instructions for use of the machine \(k\) – page 23](#)
- [Instructions for assembly, connection and disconnection \(j\) – page 24](#)
- [Control of stability \(o\) – page 44](#)
- [Daily- and routine inspection \(e\) – page 55](#)

## 5.4 OPERATING THE MACHINE (e)

This describes the proper handling of the FOX Multi Carrier, the operator's workplace when the machine is used, and the operation and use of the machine.

### 5.4.1 TRAINING OF MACHINE OPERATOR BEFORE USE

The FOX Multi Carrier may only be used mounted with approved GreenTec attachment tools, as well as on an approved vehicle as a single unit.

The operator of the vehicle, FOX Multi Carrier and attachment tool must therefore both review and understand this instruction manual as well as instruction manuals for the attachment tool and vehicle before using the machine.

The operator must be competent and fully capable of operating the machine in a safe and efficient manner before using it in a publicly accessible place.

## **⚠ DANGER**

The instructions must be fully understood before attempting to mount, connect, or use the machine.

If in doubt, contact your dealer or GreenTec Service!

### **5.4.2 OPERATOR'S WORKPLACE (f)**

The FOX Multi Carrier must always be mounted on a vehicle and therefore the machine and attachment tool is handled when operating the vehicle.

## **NOTICE**

Know and understand the operation of the vehicle and the GreenTec machine, to steer the implement safely.

The operator's workplace is always the vehicle's driver's cab, where the control panel etc. of the machines are placed.

## **⚠ WARNING**

Coupling and mounting of the GreenTec machine may only be performed by professionals who have knowledge and understanding of hydraulic systems.

This is to avoid contamination of the environment, leaks, and contamination of the closed hydraulic system!

Much depending on how the FOX Multi Carrier is positioned in relation to the operator, these can be stressful working positions.

It is important that the operator can follow and control the work of the attachment tool, while being aware of the course of the road, traffic conditions, etc. There are many things at once, and often with a twist in the back and / or neck. This can in the long run strain the body's musculoskeletal system, and it is therefore recommended to take breaks.

### **5.4.3 TRANSPORT OF FOX MULTI CARRIER AND ATTACHMENT TOOL ON VEHICLE (p)**

Common to all transport positions for attachment tools on the FOX Multi Carrier is that the construction ensures that the attachment tool will always point towards the vehicle without being a danger or inconvenience to either the driver, pedestrians, or fellow road users.

- 👉 ALWAYS drive with ALL safety guards / mechanisms on machines, while transporting the FOX Multi Carrier and the attachment tool.**



FOX Multi Carrier mounted with RI-80 Barrier Mower in transport position. The Barrier Mower is facing inwards towards the vehicle, for maximum traffic safety.

If driving on a public road, it is the operator's responsibility to comply with the applicable traffic law.

**NOTICE**

The GreenTec machine(s) must not cover the lighting of either the vehicle or any lights related to traffic safety by law. Additional lighting should be installed here.

**WARNING**

Accompanying safety devices must always be fitted when transporting all types of GreenTec machines on the vehicle.  
(Security guards, locking mechanisms, etc.)

**5.4.4 DRIVING INSTRUCTIONS**

The FOX Multi Carrier must always be operated in the most appropriate way, so that the best possible result is achieved during use.

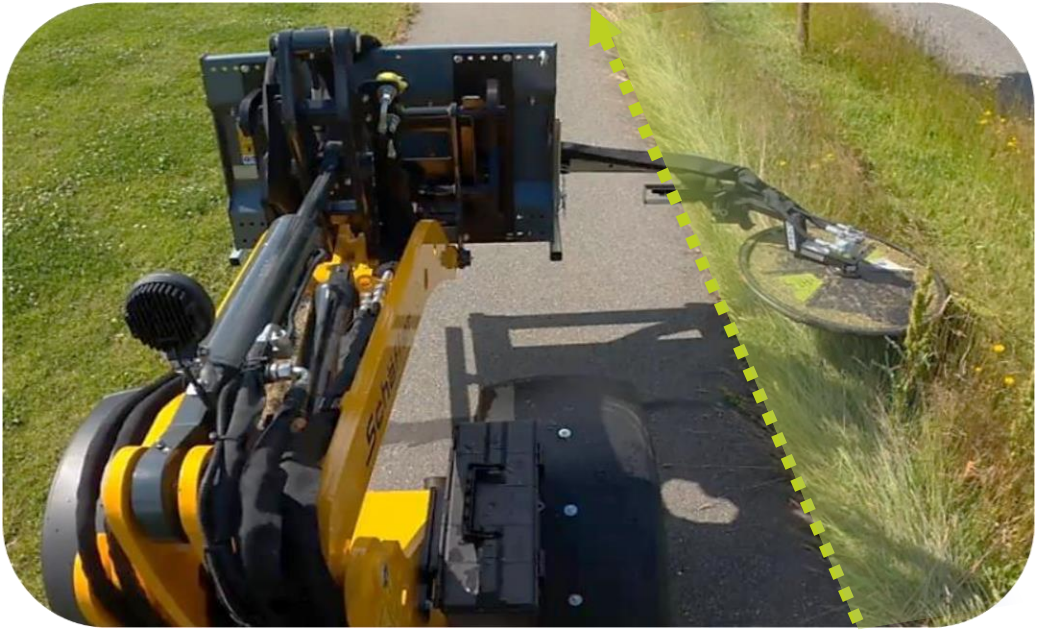
It is important that the operator learns all the functions of both the vehicle, FOX Multi Carrier and attachment tool as it is a combination of these that must control the overall result for e.g. cutting of fences / hedges.

FOX Multi Carrier must be controlled and set as follows:

1. Remove safety rivets from mechanical telescopic arm and attachment tool. The telescopic arm on the FOX Multi Carrier is pulled out to the desired working width with the attachment tool mounted:
2. Refit the safety rivet on the telescopic arm, in one of the 4 holes:
  - FOX Multi Carrier can be set in 4 different levels  
(See section on: "[Adjusting the mechanical telescopic arm](#)" – page 50)



3. The direction of travel with the attachment tool **must only go forward** and follow the "fence" line:
  - **The break-back protection system on the attachment tool is only activated in the forward direction.** (Always check the instructions for the [GreenTec attachment tool](#) in use, on [www.greentec.eu](http://www.greentec.eu))



4. The working height of the FOX Multi Carrier can be adjusted via the front loader so that it is a suitable height in relation to the terrain / fence line:



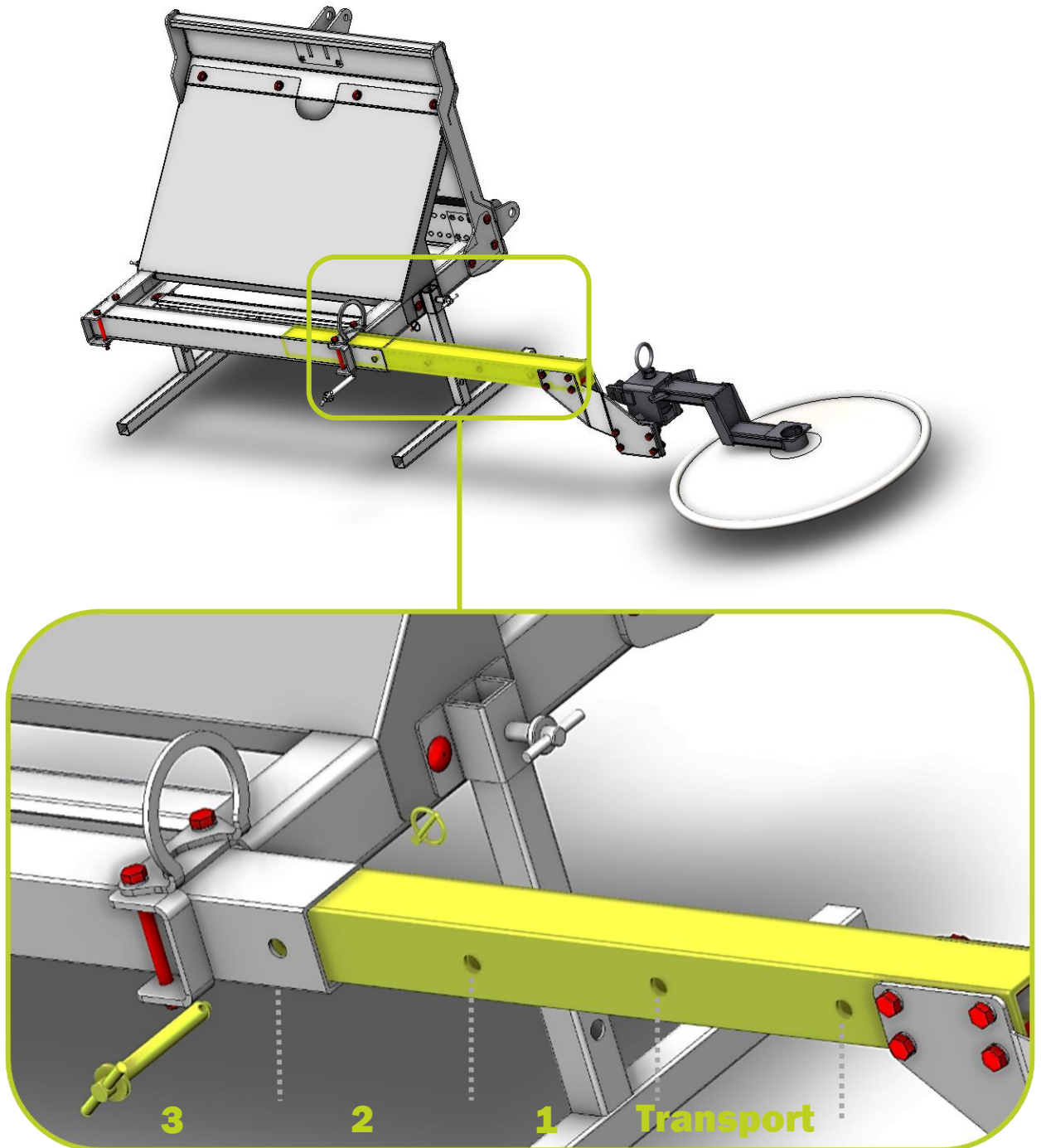
5. The speed must be adjusted so that the mowing result is optimal. It is here the individual attachments tool and the conditions under which work is done that determine what speed should be driven at.
- (Always check the instructions for the [GreenTec attachment tool](http://www.greentec.eu) in use, on [www.greentec.eu](http://www.greentec.eu))



## 5.4.5 ADJUSTING AND SETTING THE FOX MULTI CARRIER (r)

This section describes the setting and adjustment options on the implement. On a FOX Multi Carrier, there are a total of **4 levels** for setting and adjusting:

### 5.4.5.1 ADJUSTING THE MECHANICAL TELESCOPIC ARM



Placeringer/justeringsmuligheder af arbejdspositioner: FOX Multi Carrier

#### SETTING WORK POSITIONS ON FOX MULTI CARRIER:

Levels:	Description:
Transport position:	Inactive position = 128 cm (from mid-vehicle) (Used only when transporting the FOX Multi Carrier incl. attachment tool by vehicle)
Level 1:	Working range = 148 cm (from mid-vehicle)
Level 2:	Working range = 168 cm (from mid-vehicle)
Level 3:	Working range = 188 cm (from mid vehicle)


Table 19 - Working positions and settings: FOX Multi Carrier


**WARNING**

ALWAYS REMEMBER to switch off both vehicle and attachment tool before adjusting the machine!

### 5.4.6 STARTING ATTACHMENT TOOL ON FOX MULTI CARRIER

The attachment tool in use, can be started as soon as the FOX Multi Carrier is in the working position and the attachment tool is mounted correctly:

 (See sections on: "[Mounting and connection of the machine \(i\)](#)" – page 24 + "[Adjusting and setting the FOX Multi Carrier \(r\)](#)" – page 50

 The implement is started by supplying oil flow from the vehicle's hydraulic system.

 **(Always check and follow the instruction manual of the vehicle in use!)**

Always check the immediate area around the machine and the vehicle before starting and during operation of the work the machine must perform:

People, children, animals or obstacles e.g. stones, fence posts, steel wire

**DANGER**

The size of the area depends on which attachment tool is used.

(Always follow the instructions in the instruction manual of the attachment tool in use)


Let the FOX Multi Carrier and attachment tool run without load until the oil is heated. When the machine is hot, it must be ensured that the correct oil flow is achieved. Then start the work!

**NOTICE**

A very cold machine should run 10-15 minutes before greater load is required, to get warm and ready to work.

### 5.4.7 STOPPING ATTACHMENT TOOL ON FOX MULTI CARRIER

The FOX Multi Carrier incl. attachment tool can be stopped in the following ways:

 Oil flow to the machine is shut off via the vehicle's hydraulic system.

 **(Always see and follow the instruction manual of the vehicle used)**

**DANGER**

Most implements have heavy rotors, knives or blades, and therefore the implement can rotate for **up to 30 seconds** after disconnecting the hydraulics!

**DANGER**

**NEVER GO NEAR ANY MACHINES BEFORE YOU ARE SURE THAT THE ROTARY PARTS ARE COMPLETELY STOPPED!**








## 5.4.8 START-UP AFTER ACCIDENTAL STOP (q)

### NOTICE

In the event of an unintended stoppage of the FOX Multi Carrier and / or attachment tool, always follow the instructions given in the machines' instruction manuals. (Both FOX Multi Carrier and attachment tool!)

An unintentional stoppage can occur at any time. There can be various reasons, but often stoppage can be avoided if the operator uses and maintains the machine correctly and eliminates hitting:




-  Larger stones
-  Tree stumps
-  Fence wire
-  Well-covers
-  Litter and other garbage
-  Plastic and other packaging
-  Bicycles/scrap

If the attachment tool hits any of the above objects, strong vibrations will typically occur.

By signs of strong vibration, or in the event of a leak, lost and / or loose parts on the machine, the operator should do the following:

1. Stop the machinery immediately.
2. Apply the parking brake, switch off the vehicle, remove the key and make sure that the machinery is stopped completely.
3. Tilt the attachment tool around and lower to a height where the machine can be inspected.
4. Attachment tool and FOX Multi Carrier are inspected and checked:
  - When foreign materials are found, these are removed manually. (Fence wire, plastic, etc.) Also, check machine parts for cracks, breaks, missing parts, or damage.
  - Do not drive until all damage has been repaired!

 Follow the recommendations below for start-up **after** a shutdown:

- Make sure that the entire machine is inspected and in order.
- Slowly start up the machine. (See the instruction manual for used attachment tool.)
- Pay special attention to the fact that both the FOX Multi Carrier and the attachment tool work according to all guidelines stated in each of their instruction manuals.



## 6. INSPECTION AND MAINTENANCE (e, r)

To ensure a long working life of the machine, good and careful maintenance and inspection is required.

Remember that the machine is designed to withstand the harshest conditions, and with a little care and attention it will be able to give you many years of trouble-free operation.

To avoid problems and to ensure that the warranty covers, always use original [GreenTec parts](http://www.greentec.eu) and make sure that the machine is not used for anything other than described in this instruction manual.

The owner or the operator must ensure that the machine is only used, maintained, inspected and repaired by persons who are familiar with the procedures associated with it and are instructed in the associated hazards.

If doubts arise in connection with any of the mentioned procedures, an authorized specialist workshop or importer should be consulted.

(See: [www.greentec.eu](http://www.greentec.eu))

Repair work not described in the instruction manual may only be carried out by authorized specialist workshops.



### INFRINGEMENT OF ONE OR MORE SAFETY INSTRUCTIONS MAY CAUSE:

#### **⚠ DANGER**

Great danger to persons due to mechanical and chemical influences!

#### **⚠ WARNING**

Danger to the environment due to leakage of hydraulic oil! Damage and defects to the machine, FOX Multi Carrier or vehicle!

#### **NOTICE**

The warranty on the machine lapses if one or more of the safety instructions are violated.

GreenTec is not liable for any compensation for damage caused by incorrect use of the machine as well as incorrect connection or connected equipment, or by incorrect maintenance of the machine.

## 6.1 INSTRUCTIONS ON SAFE MAINTENANCE AND ADJUSTMENT (s)

TO AVOID ACCIDENTS DURING MAINTENANCE AND ADJUSTMENT, THE FOLLOWING RULES MUST ALWAYS BE COMPLIED WITH:

### DANGER

ANY work on the machine may only be done with the machine stopped, the vehicle switched off, the parking brake applied, and the key removed from the ignition switch!

When carrying out maintenance work on a raised machine and / or tool carrier, always secure it with suitable support elements!

Use only suitable tools and use the specified personal protective equipment! Great care should be taken when working with the machines, as there is a risk of pinching fingers and hands, e.g. drive belt, pulleys, knives, guards, etc.!

Immediately after completion of work, all safety and protection devices must be fitted and/or reactivated.

During maintenance, you can often encounter hydraulic oil, gearbox oil and grease. Always avoid skin contact, inhalation, etc.





Always use the correct protective equipment and use safety data sheets for these.

ALWAYS dispose of oil and grease properly!

### WARNING

### WARNING

### 6.1.1 CORRECTLY MOVING YOUR GREENTEC MACHINE

-  GreenTec recommends storing and moving machines and attachment tools on a suitable pallet when not in use.
-  If you need to move these, always use a pallet truck or forklift.
-  Always see the weight of your GreenTec machine under the machine specifications.
-  Materials and components used in connection with moving the machine must be approved for more than the specified dead weight of the machine.

### DANGER

Danger of crushing, as the machine can turn over during movement

There must be no people on either side of the machine during lifting, in the area where the implement frame can tilt.

Never attempt to lift the FOX Multi Carrier and attachment tool at the same time / coupled!

## 6.2 DAILY AND ROUTINE INSPECTION (e)

### NOTICE

Always remember to check all machinery, both the vehicle, the FOX Multi Carrier and the attachment tool in use.

It is important that the operator knows the machines and performs the inspections necessary for the vehicle, FOX Multi Carrier and the attachment tools used.

Instruction manuals must always be used for the respective machines.

Always be confident in your daily routines!

### CAUTION

Before starting up a new machine, a general daily inspection is carried out before start-up, and again already after **every 3-5 operating hours**. Thereafter, a daily inspection after use of the machine is sufficient.

At the beginning of the life of the machine, extra attention should be paid to loose bolts, shielding and possibly belt tension on some attachment tools.

#### DAILY INSPECTION:

Daily inspection is ALWAYS performed after the first 3-5 operating hours.

All points MUST be reviewed!

Thereafter, daily inspections must be performed daily / after each time the machine is used.









-  General overall impression of the machine. **(Any damage and / or error must be rectified immediately)**
-  Intact safety screens, incl. (if any) rubber flaps on attachment tool + belt housing shield must be intact.
-  Cracks in the sides, corners and around the frame of the machine. (Dents and bent parts included)
-  Loose parts or missing bolts
  - Tighten all bolts! ([Section 6.3](#) – page 57)
-  For belt tension: Check belt tension and retighten belt on mounted attachment tool.
-  Inspect the hydraulic system for leaks by the engine, fittings, and hoses.
-  Check hydraulic hoses and sleeves for proper guidance.
  - Wear marks and misplaced sleeves ([Section 6.4](#) – page 58)
-  Lubrication of all lubrication points.
  - Best done after working. The bearings will then be hot, and water and moisture is hereby forced out of the bearing. ([Section 6.6](#) – page 59)

Table 20 – Checklist for daily inspection: FOX Multi Carrier

## 6. MONTHLY INSPECTION

6 monthly inspections are carried out every 6 months / semi-annually.

All points MUST be reviewed!






-  General inspection of machinery: cleaning and maintenance / lubrication so that general maintenance is minimized. ([Section 6.7](#) – page 59)
-  Carefully inspect the condition of all hydraulic hoses
  - Make sure that they do not rub against edges, bolts and alike. The protection sleeves must always be correctly fitted so that the hoses are always protected as best as possible.
-  Clean the entire machine of loose branches and dirt, wash and lubricate the machine with the prescribed anti-corrosion oils / grease around the grease nipples.
  - Especially on the polished areas / parts of the machine.
  - Perform a thorough daily inspection ([Table 18](#) – page 55)
-  Inspect all bushings, rivets and / or bearings (if any) ([Section 6.5](#) – page 59)
-  Store the machine well protected and dry. ([Section 6.8](#) – page 60)
  - Especially protect the hydraulic couplings and bearing on the attachment tool (if any) against persistent rain, moisture and temperature fluctuations.

Table 21 – Checklist for 6. monthly inspection: FOX Multi Carrier

## 6.3 TIGHTENING OF BOLTS AND HYDRAULIC CONNECTIONS

### 6.3.1 TIGHTENING OF BOLTS

- 🌿 All bolts and nuts are provided with quality class marking, ordinary machine steel bolts have quality class 8.8.
  - Bolts are marked with 8.8, and nuts marked with 8
- 🌿 Hardened steel bolts are marked with 10.9 or 12.9.
  - Bolts are marked with 10.9 or 12.9, and nuts marked with 10 or 12.
- 🌿 Some bolts and nuts have no markings.
  - These are always ordinary steel bolts and / or nuts in class 8.8.

#### TIGHTENING TORQUES FOR BOLTS AND NUTS: FOX MULTI CARRIER

ISO metric standard: Bolt qualities

Bolt size (mm)	Thread length (mm)	Nut height (mm)	Tightening torques (Nm)		
			Regular steel bolts (Strength class 8.8)	Hardened steel bolts (Strength class 10.9)	Hardened steel bolts (Strength class 12.9)
M6	1,00	10	11,3 Nm	16,5 Nm	19,3 Nm
M8	1,25	13	27,3 Nm	40,1 Nm	46,9 Nm
M10	1,50	16	54,0 Nm	79,0 Nm	93,0 Nm
M12	1,75	18	93,0 Nm	137,0 Nm	160,0 Nm
M14	2,00	22	148,0 Nm	218,0 Nm	255,0 Nm
M16	2,00	24	230,0 Nm	338,0 Nm	395,0 Nm

Table 22 – Tightening torques for bolts and nuts: FOX Multi Carrier

### 6.3.2 TIGHTENING OF HYDRAULIC CONNECTIONS

- 🌿 The threading on hydraulic connections are made and measured in inches.



#### TIGHTENING TORQUES FOR HYDRAULIC CONNECTIONS: FOX MULTI CARRIER

BSP-standard: Hydraulic connections (± 5%)

BSP-size:	Hose fittings (Nm):	Nipples (Nm):
1/4"	24 Nm	34 Nm
3/8"	33 Nm	75 Nm
1/2"	44 Nm	102 Nm
3/4"	84 Nm	183 Nm
1"	115 Nm	203 Nm

Table 23 – Tightening torques for hydraulic connections: FOX Multi Carrier

## 6.4 HYDRAULIC HOSES

### ⚠ WARNING

When inspecting hydraulic hoses, any damage / defect must be rectified immediately. When searching for leaks, due to danger, suitable aids must be used: goggles, work gloves + a piece of cardboard that quickly makes a leak visible!

Thin jets of hydraulic oil under high pressure can penetrate the skin and cause serious injuries!

In the event of injuries of this nature, seek medical attention immediately:  
**DANGER OF INFECTION!**

- 👉 Check the condition of all hoses on regular inspections. Pay special attention to the fact that they do not rub against edges, bolts, etc., and that the protection sleeves is correctly fitted so that the hoses are always protected as best as possible.
- 👉 Check all hydraulic hoses and fittings daily. Any damage or leak must be repaired immediately. Hoses with damage / defects must be replaced.
- 👉 GreenTec's hydraulic systems operate at a very high pressure. Use only original hoses. A broken hose can be very dangerous.
- 👉 When replacing hydraulic hoses, always avoid twisting hoses and fittings.
  - Use 2 wrenches to loosen and tighten the hydraulic hoses/fittings.
  - Avoid over-tightening (Correct tightening torques is stated in [Table 21](#) – page 57)
  - If the hoses and / or fittings continue to leak, these must be replaced immediately.

### ⚠ WARNING

A flexible hose must not be twisted during installation, as this significantly reduces the life of the hose and can cause the connections to loosen.

To determine if a hose is twisted or not, the specification line running along the length of the hose must be straight.

If the specification line spirals around the hose, the hose is twisted:

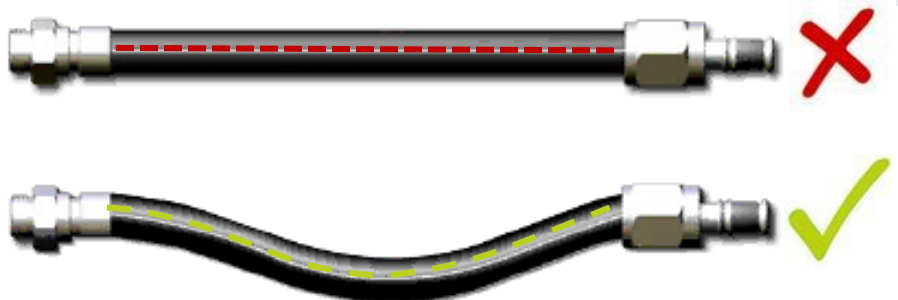


### ⚠ WARNING

A flexible hose must never be stretched tightly between two fittings.

Approx. 5 to 8 percent of the total length should be allowed as slack to allow free movement under pressure.


Under pressure, a flexible hose is pressed lengthwise and expanded in diameter.



**NOTICE**

The hydraulic hose warranty is limited to hose replacement due to defective material or fabrication. The hose warranty is void if:


- The hoses are damaged, due to wear and tear
- The hoses have been cut or pinched during work.
- Treading is damaged due to overvoltage.

 The hydraulic hoses and fittings must be tightened according to [Table 21](#) – page 57

**6.5 BUSHINGS, RIVETS AND BEARINGS**

All pivot points on GreenTec's machines are equipped with replaceable bushings, rivets and / or bearings.

If they show signs of wear, these must be replaced. All bushings, rivets, and bearings etc. can be delivered from GreenTec's spare parts warehouse.

 The correct spare parts for your GreenTec machine can always be found in the machine's [parts book](#) which can always be downloaded and / or printed for personal use on our website: [www.greentec.eu](http://www.greentec.eu).

**6.6 LUBRICATION OF FOX MULTI CARRIER**

FOX Multi Carrier has no components to lubricate, see upcoming section around instead the coming section on [cleaning / washing the machine](#) – page 59

**NOTICE**

GreenTec ALWAYS recommends lubricating the attachment tool after the end of the work cycle as the lubrication points that have been most heavily loaded are still hot, and possibly. dirt, acid, moisture, water and grass are therefore pressed out immediately.

**(Therefore, always see the attachment tool's instructions for lubrication, inspection, and maintenance)**

**6.7 CLEANING / WASHING THE MACHINE****⚠ CAUTION**

Be careful when using a high-pressure cleaner close to the paintwork!

Steam cleaner is also to be used with great care around the stickers!

Avoid tougher cleaning agents to avoid discoloration or damage to the paint!

It is important to keep the machine covered so that it is protected from rain and sunlight. It must be placed horizontally on a level surface or pallet!

When storing the machine, make sure that there is no risk of it tipping over or falling. Make sure of a suitable storage location or support of the machine!

Lubricate the machine with anti-corrosion oil, especially on the worn parts such as knives, rotors (if any) and internal guards. This minimizes rust formation and significantly prolongs durability!

**⚠ DANGER**

**Anti-corrosion oils are dangerous on the skin and by inhalation!  
Know and use all safety instructions when using the oil!**

## 6.8 STORING THE MACHINE

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Never store the machine unprotected from moisture, wind and weather. Before storing the machine, it must be thoroughly washed and wiped. Remove all traces of leaves / branches and dirt.

### **NOTICE**

Do not leave hydraulic hoses lying on the floor. They pose a risk of tripping and / or falling, and there is a chance of contamination of hydraulic couplings!

Always place all hoses over the machine / attachment tool.

### **NOTICE**

Always keep the machine and attachment tools in a clean condition!  
Dirt attracts moisture and can result in increased rust formation.

Paint damage must be repaired!

### **⚠ CAUTION**

GreenTec's machines **MUST** be stored dry, due to the risk of water in the sockets, bearings and electrical parts.

## 6.9 DISPOSAL OF MACHINE / MACHINE PARTS

### NOTICE

To ensure the most environmentally friendly disposal method, the machine must be disassembled, and the disassembled parts sorted into the following categories below:

CATEGORY:	DESCRIPTION:
Rubber and plastic parts	Hoses, rubber guards, support wheels, plastic components, etc.
Technical components	Motor, flow regulator, hydraulic hoses, etc.
Metal	Plates, profile pipes, tubes, bearing housings, knives, pulleys, etc.
Fluids (chemical)	Hydraulic oil

Table 24 – Overview of disposal / scrapping of machine parts

# 7. TROUBLESHOOTING

## 7.1 TROUBLESHOOTING PROCEDURES

In case the GreenTec machine or vehicle does not work properly, always see the instruction manual for these.

When locating the source of an error, first try to isolate the error condition:

- Is the fault condition of the machine **mechanic related**?
- Is the fault condition of the machine **hydraulic related**?

PROBLEM:	ÅRSAG:	LØSNING:
Valves or hoses leaking	Hoses and or fittings are loose.	Tighten hoses and fittings
Overheating of machinery	Oil flow too high.	Check and adjust oil flow down to specified max. tool flow (l / min.)
	Clogged cooler. (Vehicle)	Cooler is cleaned and checked. Remove leaves, dirt and grime here.
	Hydraulic system overloaded. (Vehicle)	Greater capacity on vehicle or down in performance on attachment tool / forward speed.
	Oil type incorrect. (vehicle)	Kontroller og skift olietype. ( <a href="#">Table 9</a> – page 21)
Hydraulic system fails	Oil level too low. (Vehicle)	Fill up vehicle with oil to the correct level. (Vehicle)
	Pressure hose squeezed / bent / twisted.	Check all hydraulic hoses for jams and damage.
	Oil leakage in hydraulic system.	Check hydraulic system for leaks. Possibly, retighten or repair hoses and fittings.
	Oil pump suction filter stopped. (Vehicle)	Replace filter insert. (Vehicle)

Table 25 – Identification of fault conditions: FOX Multi Carrier











ALLE RETTIGHEDER FORBEHOLDES AF GREENTEC.

INSTRUKTIONSBogens ORIGINALINDHOLD SKABT AF GREENTEC MÅ IKKE REPRODUCERES,  
GENGIVES ELLER OVERSÆTTES, UDEN SKRIFTLIG TILLADELSE FRA GREENTEC.

2021 - GREENTEC A/S



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