

AgriCAD KT130



Owners Manual

Introduction

1. Foreword

Before operating the implement, read and strictly comply with the operating instructions. In doing so, you will avoid accidents, reduce repair costs and downtime and increase the reliability and service life of your machine. Pay attention to the safety instructions! AgriCAD will not assume liability for any damage or malfunctions resulting from failure to comply with the operating instructions.

These operating instructions will assist you in getting to know your implement and in using it correctly for its intended purposes. The operating instructions must be read and strictly adhered to by all persons working on or with the implement.

e.g. Operation (including preparation, fault rectification during work and servicing)
Maintenance (maintenance and inspection)
Transport

We reserve the right to alter illustrations as well as technical data and weights contained in these operating instructions for the purpose of improving the implement.

2. Warranty claims

One year warranty on all implements
No warranty on wear parts

3. Intended use

The implement was built in accordance with latest technical standards and generally accepted safety regulations. However, risks of injury to the operator or third parties and impairment of the implement or other tangible assets can occur during use.

The implement must only be operated for its intended use if in a technically good condition, whilst being aware of safety and risks and in strict compliance with the operating instructions! Faults, particularly those which impair safety, must be remedied immediately. The implement must only be operated, serviced and repaired by persons who are familiar with it and have been made aware of the dangers involved.

Genuine spare parts and accessories from AgriCAD are available for this implement. Spare parts and accessories which are not supplied by AgriCAD, have not been tested or approved by AgriCAD. Installation or use of non-original AgriCAD products may have a detrimental effect on specific design features of the implement and impair the safety of implement operators and the implement itself. AgriCAD will not assume liability whatsoever for damage resulting from the use of non-original parts and accessories.

The implement was designed as a liquid fertiliser applicator in a agricultural application. Any other use beyond this limits, e.g. as a means of transport, is deemed improper. AgriCAD will not assume liability whatsoever for damage resulting from unintended use. The risk will be borne solely by the user.

Intended use also includes the strict compliance with the operating instructions specified by the AgriCAD.

3.1 Consequential damage

The Implement was manufactured by AgriCAD with great care. Nevertheless, even when used properly, malfunctions or complete failure may be caused by e.g.:

Blockage of nozzles (i.e. caused by foreign bodies containing old fertiliser)
Excessive wear due to the failing of a wear part. (i.e. coulter)
Damage caused by external influences
Incorrect or inappropriate drive speeds and travel speeds
Incorrect operation of the machine

Manufactured in South Africa

for African conditions by

AgriCAD Pty (Ltd)

www.agricad.co.za



AgriCAD © copyright
all rights reserved

Service and maintenance

Ensure that regular inspections are always carried out.

Prior to performing maintenance and servicing work, ensure that the implement is positioned on firm, level ground.

Before cleaning the implement with high pressure cleaning equipment cover all openings, which should stay clear of water, steam or cleaning agents for reasons of safety or operation.

Do not aim the water jet directly at electrical or electronic components.

Re-tighten screwed connections which have been loosened during servicing and maintenance work.

Take extreme caution when washing with steam-jet or high pressure washers implement can be damaged.

Hydraulic connections

Do not connect hydraulic lines to the tractor, before both hydraulic systems (Implement and tractor) are de-pressurised.

The hydraulic system is under high pressure. Check all lines, hoses and screwed connections regularly for leaks and any visible external damage.

After cleaning, check all hydraulic lines for leaks and loose connections.

Check hoses for chafing and signs of other damage.

The hydraulic connections between the tractor and implement are colour-coded in order to exclude operating errors.

In operation

Check the area around the implement for unauthorised persons before setting off and starting operation of the implement.

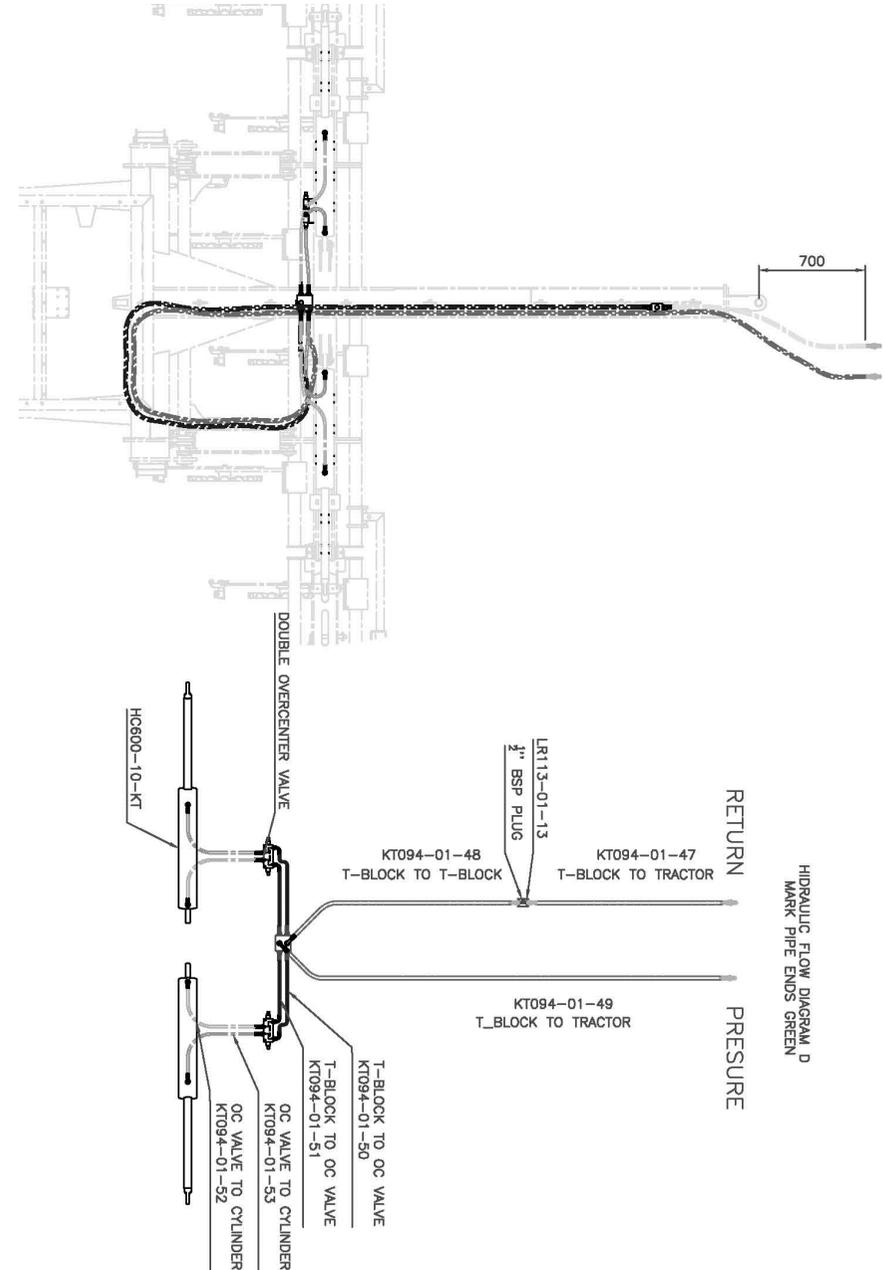
Do not remove any of the mandatory and supplied protective devices.

Stay clear of the operating range of hydraulically operated parts.

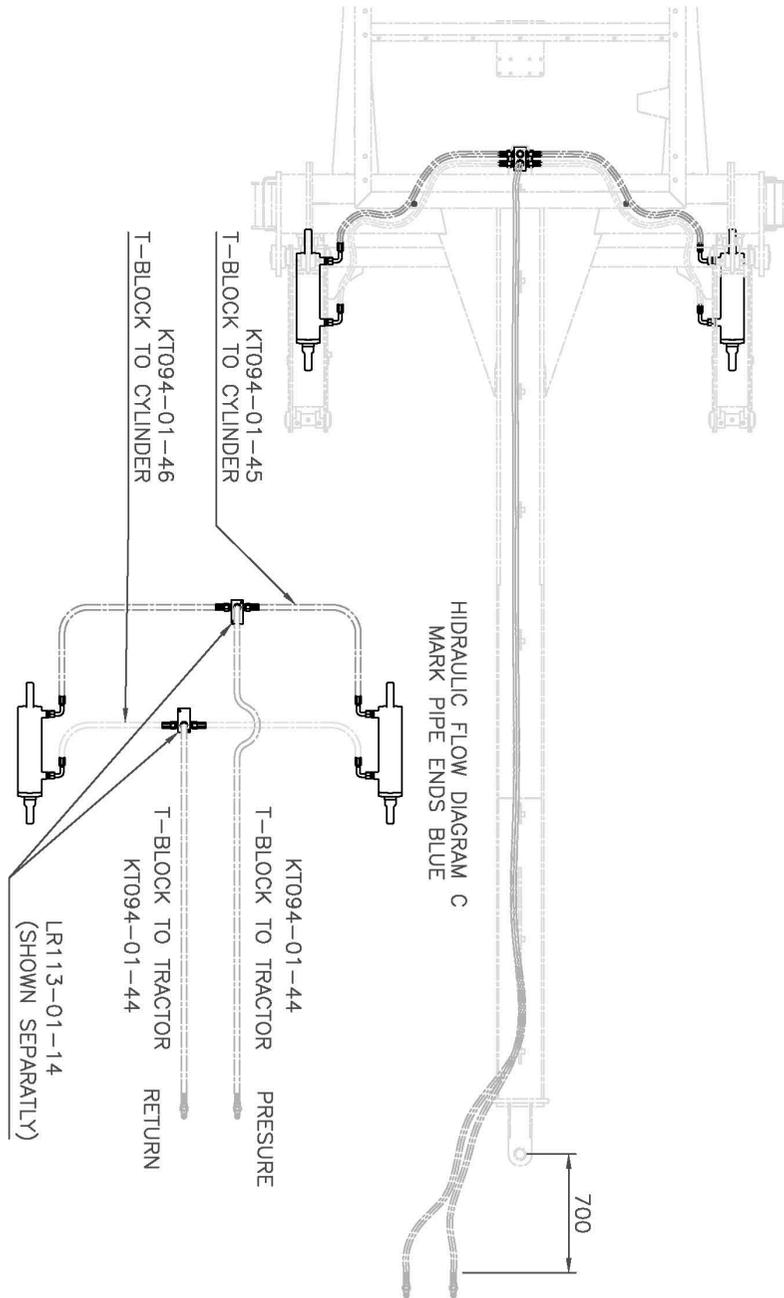
Use access steps and treads only at standstill.

Passengers are not allowed to ride on the machine during operation!

Folding Wing Hydraulic Layout - KT094-HD-03



Lifting Arm Hydraulic Layout - KT094-HD-02



Technical data

Dimensions and weights

Width:12.43 m
 Height:.....3.73 m
 Length:7.10 m
 Tare:5725kg

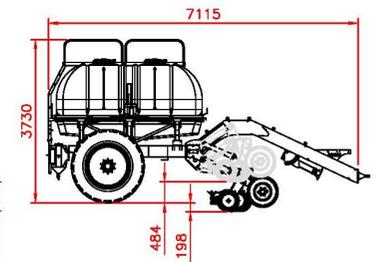
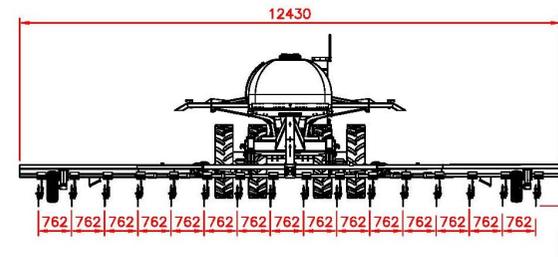
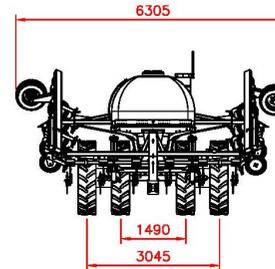
Standard design

Payload:.....9100kg
 Tyres:.....380/85 R35
 Tyre pressure:.....4 Bar
 Fresh water tank: 50L

Minimum tractor specification

Minimum tractor power required:130 kW +
 Minimum hydraulic flow rate:40 l/min
 Hydraulic ports:2 Double acting.
 1 x Constant flow:.....Pump
 1 x Double acting:Folding of the wings

KT130



Operating instructions

Load bearing capacity of tyres

When filling to maximum payload (maximum load bearing capacity), the tyres must be inflated to 4.0 bar.
Check the air pressure regularly, preferably every day.
Under inflating of the tyres may cause damage to the tyres and rims.
When operating with maximum payload only travel at speeds below 40km/h.

Hitching the liquid fertiliser applicator

Attention!
Refer to Safety and accident prevention

Hitch the liquid fertiliser applicator to the tractor.
Wind up the landing leg and store it in position.
Connect quick coupling hydraulic hoses.

Coupling of hydraulic system.

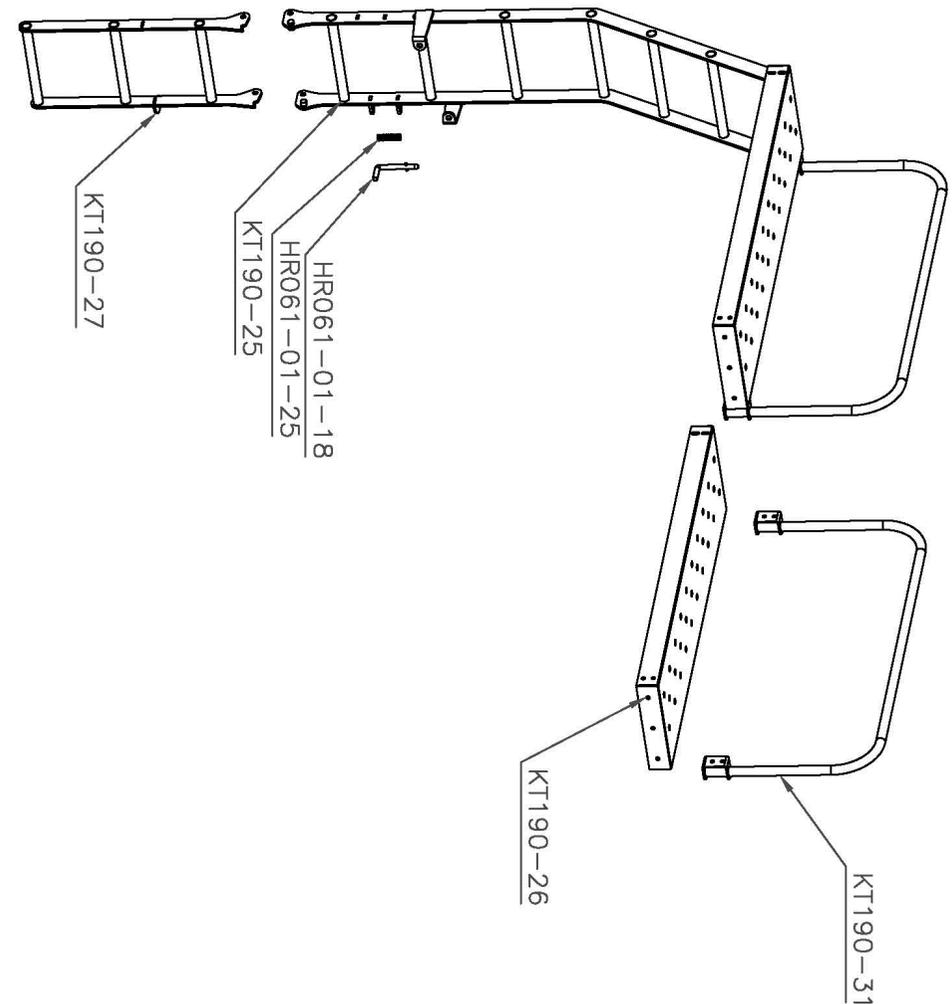
Attention!
Refer to Safety and accident prevention

Attention!
No persons should be in the operating range of the implement folding wings opening and closing.

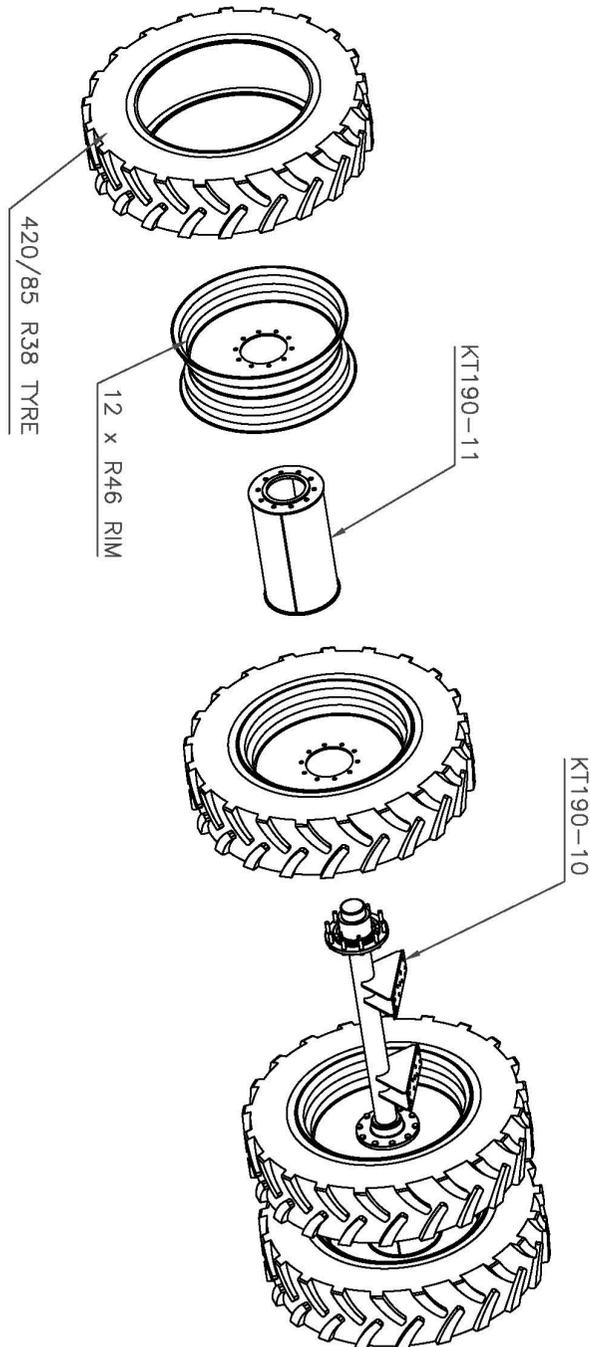
Connecting hydraulic hoses to the tractor.

1 x Constant flow:Hydraulic pump.
1 x Double acting:.....Folding of wings

Ladder Assembly - KT190-FF-06

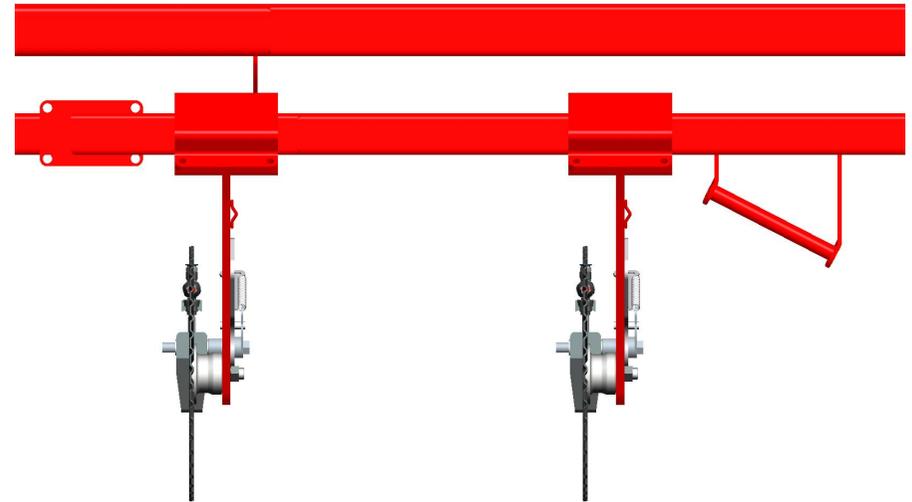


Axle With Spacers Assembly - KT190-FF-04



Working width of the liquid fertiliser applicator implement.

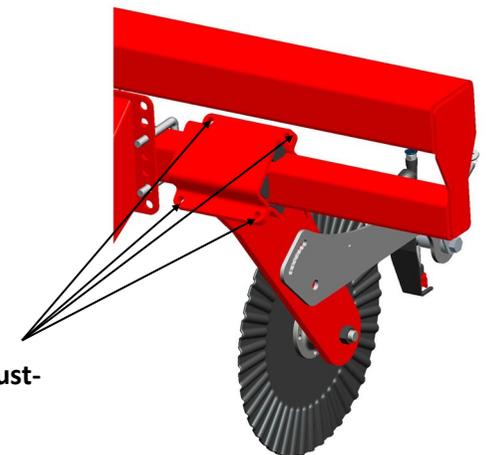
The working width of the liquid fertiliser applicator is depended on the width of the planting rows, and / or the desired application of fertiliser as to fertiliser supplier instructions.



Adjustment of Coulters

For adjustment of the coulters you have to loosen the coulters arm.
Move the coulters left or right for the desired position you want to use the coulters for.

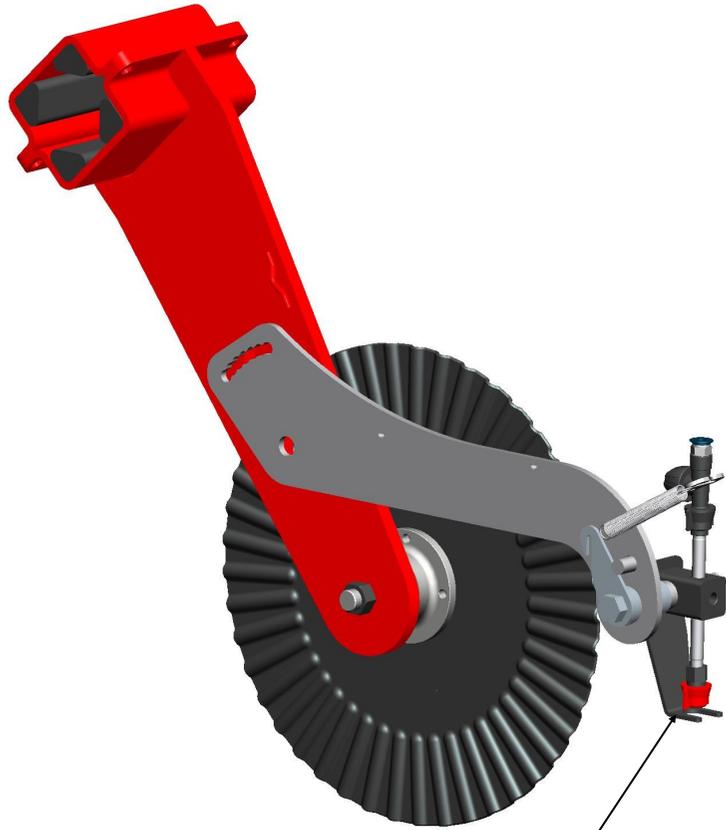
Loosen coulters here for adjustment



Coulter safety trip mechanism

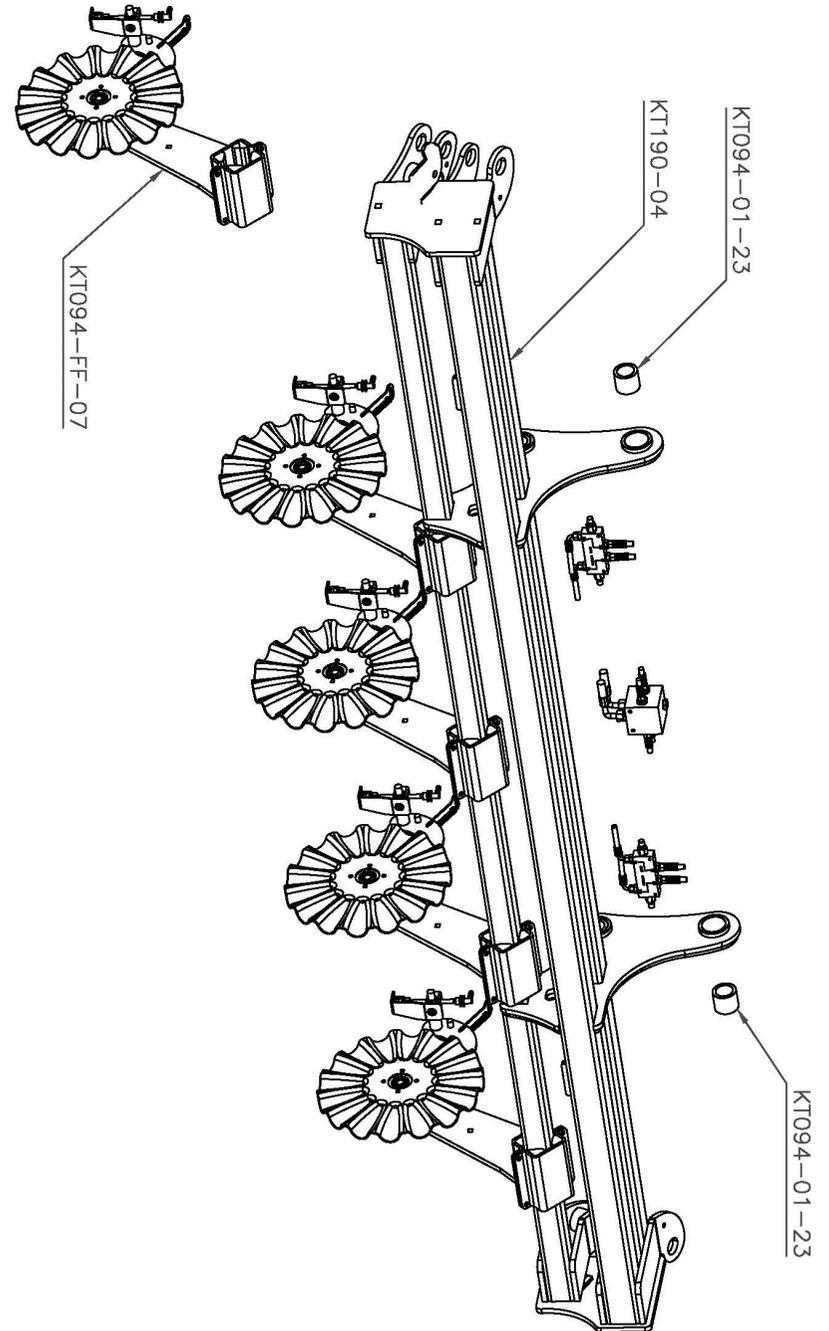
The safety trip mechanism on the coulter arm is to prevent the nozzle from getting damaged by rocks or other debris.

Make sure the nozzle trip mechanism is in working order to prevent damage to the nozzle unit.



Trip mechanism

Main Beam Assembly KT190-FF-02



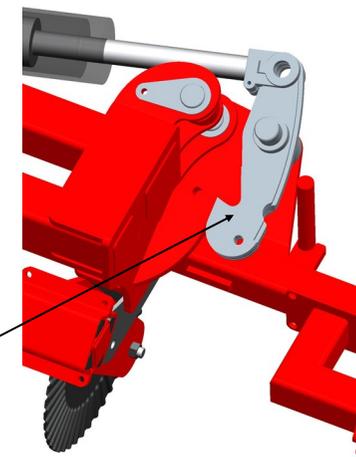
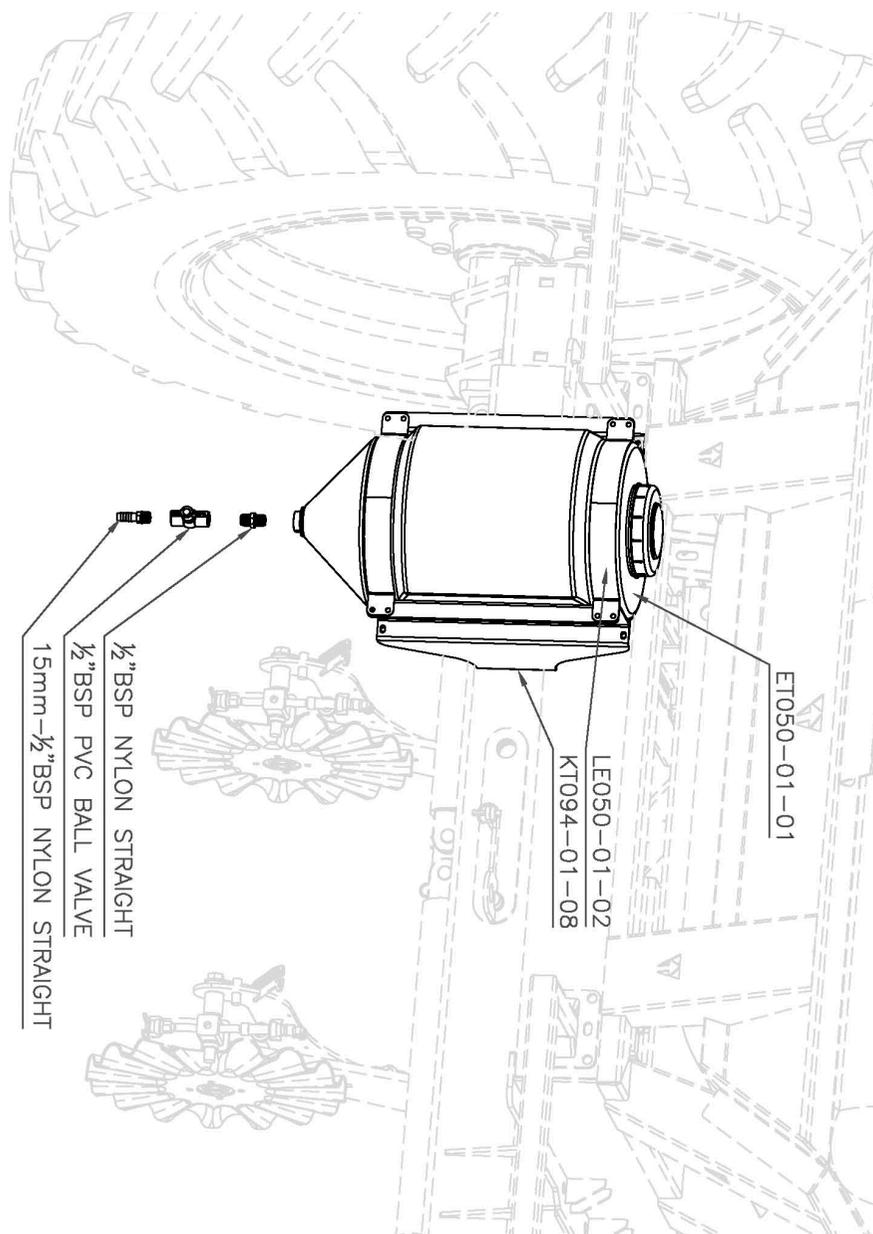
Water Tank Assembly - KT094-FF-09

Locking mechanism

Working with fixed beam (non - floating)

DO NOT TURN WITH THE IMPLEMENT WHEN IN WORKING POSITION.

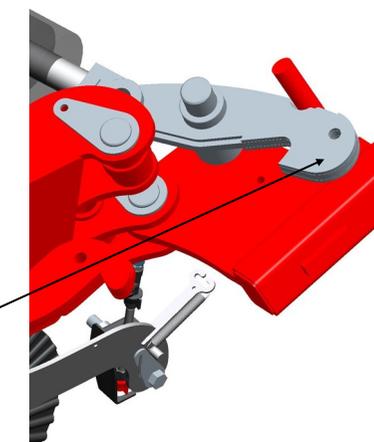
This implement is not designed for that purpose .
Make sure the mechanical lock is in "locked" position
cylinder fully extended before lowering the frame
for use.
This mode of operation is used in even flat terrain.



Locking position

Working with floating beam

When wing is in unlocking position the implement is
ready to be transported.
Make sure the wing is fully extended but the cylinder
is not fully extended the mechanical lock is not in a
"locked" position. This mode of operation can be
used on uneven terrain.

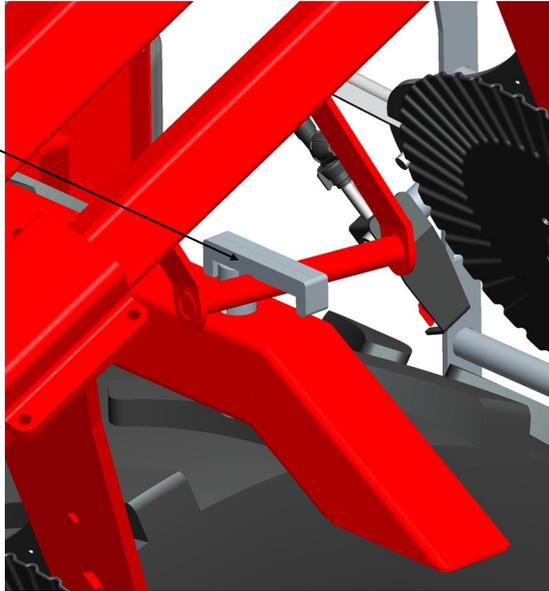


Unlocking position

Locking pin for transporting

It is important that the locking pin is fitted before transporting of the implement, and when traveling on road.

Locking pin

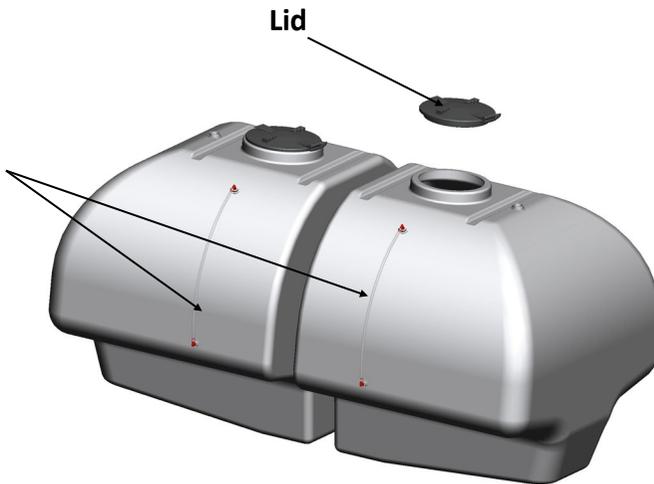


Tank & Measuring indicator

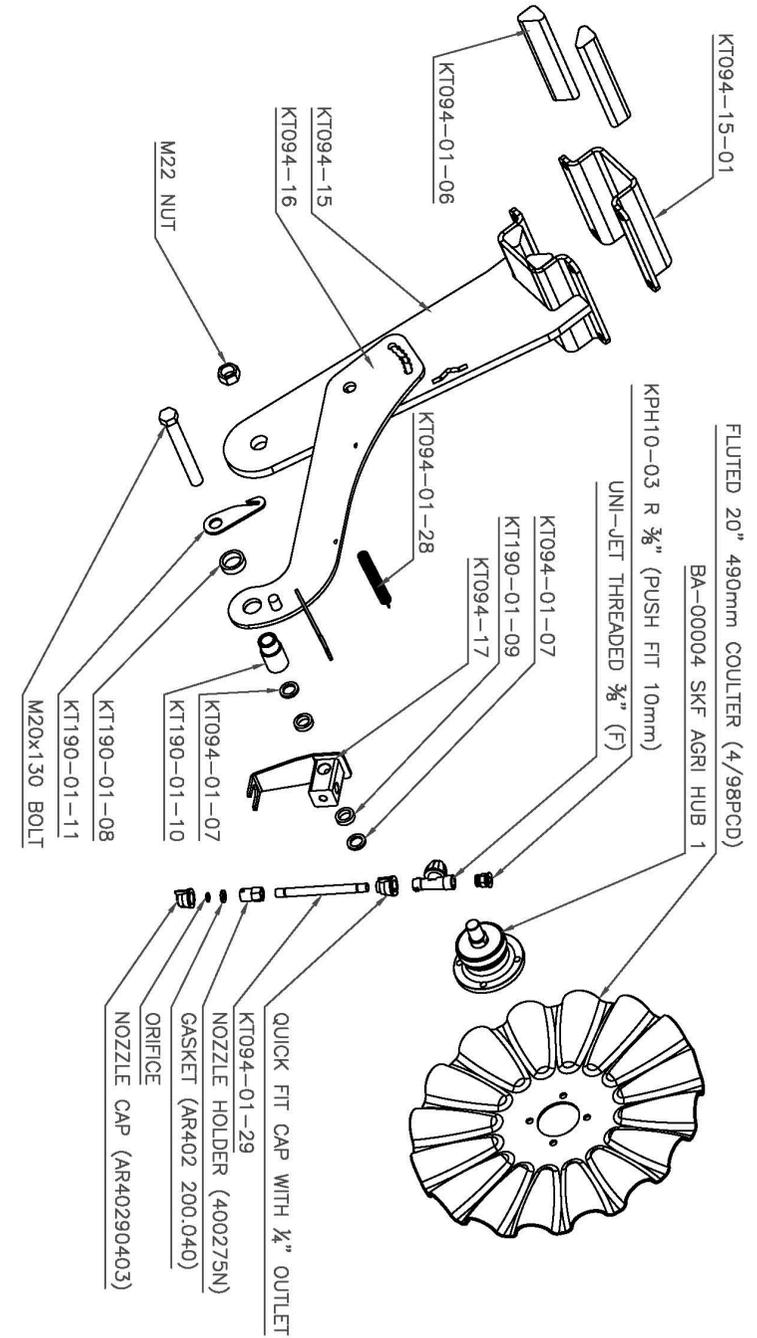
The AgriCAD liquid fertiliser tank is fitted with two indicators that measure the level of liquid fertiliser that is left in the tank.
The lid of the tank is a turn action lid. To open the lid you have to turn a pull to open.

Lid

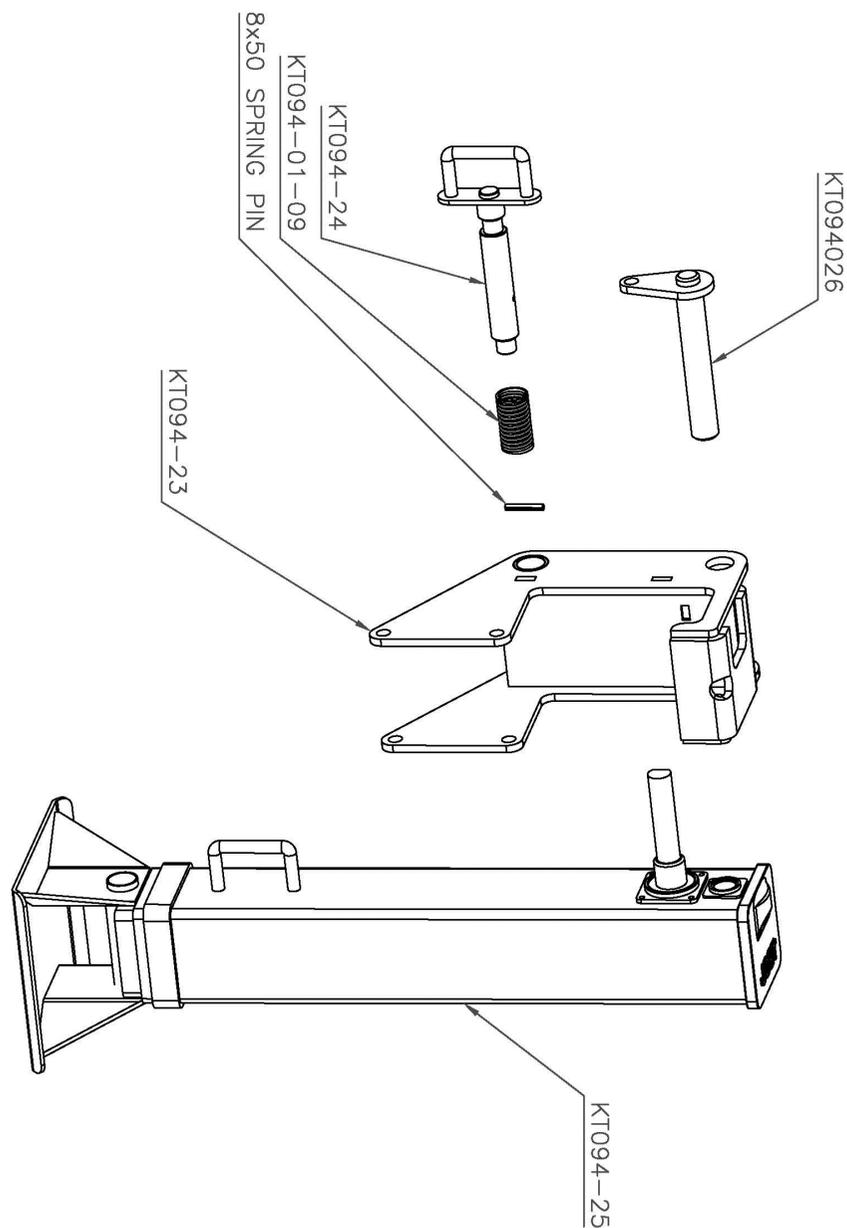
Measuring indicator



Coulter Assembly - KT094-FF-07



Landing Leg Assembly - KT094-FF-05



Service & Storing.

Storing & Parking the implement

- The implement should be parked under a roof.
- Park the implement on level and solid ground.
- Use the landing leg if stored.
- Disconnect hydraulic connections and store into provided storage holders.
- Take care to protect the fertiliser applicator against pest animals like rodents, mice and rats.

Cleaning

- The recommended cleaning and maintenance work should be carried out at regular intervals in order to maintain operational reliability and guarantee optimum performance.
- The hydraulic cylinders, bearings and stickers should not be cleaned with a high-pressure cleaner or direct water jet. The seals and bearings are not waterproof under high pressure.

Using fertiliser applicator correctly

1. Fill tanks with liquid fertiliser.
2. Unfold wings to operating mode.
3. Lower coulter beam to working position.
4. Start pump and wait for correct operating pressure.
5. Start moving forward at $\pm 15\text{km/h}$ to apply fertiliser.

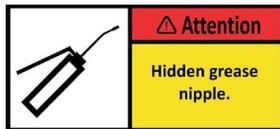
Attention!
Never activate pump without fertiliser

Lubricating the implement

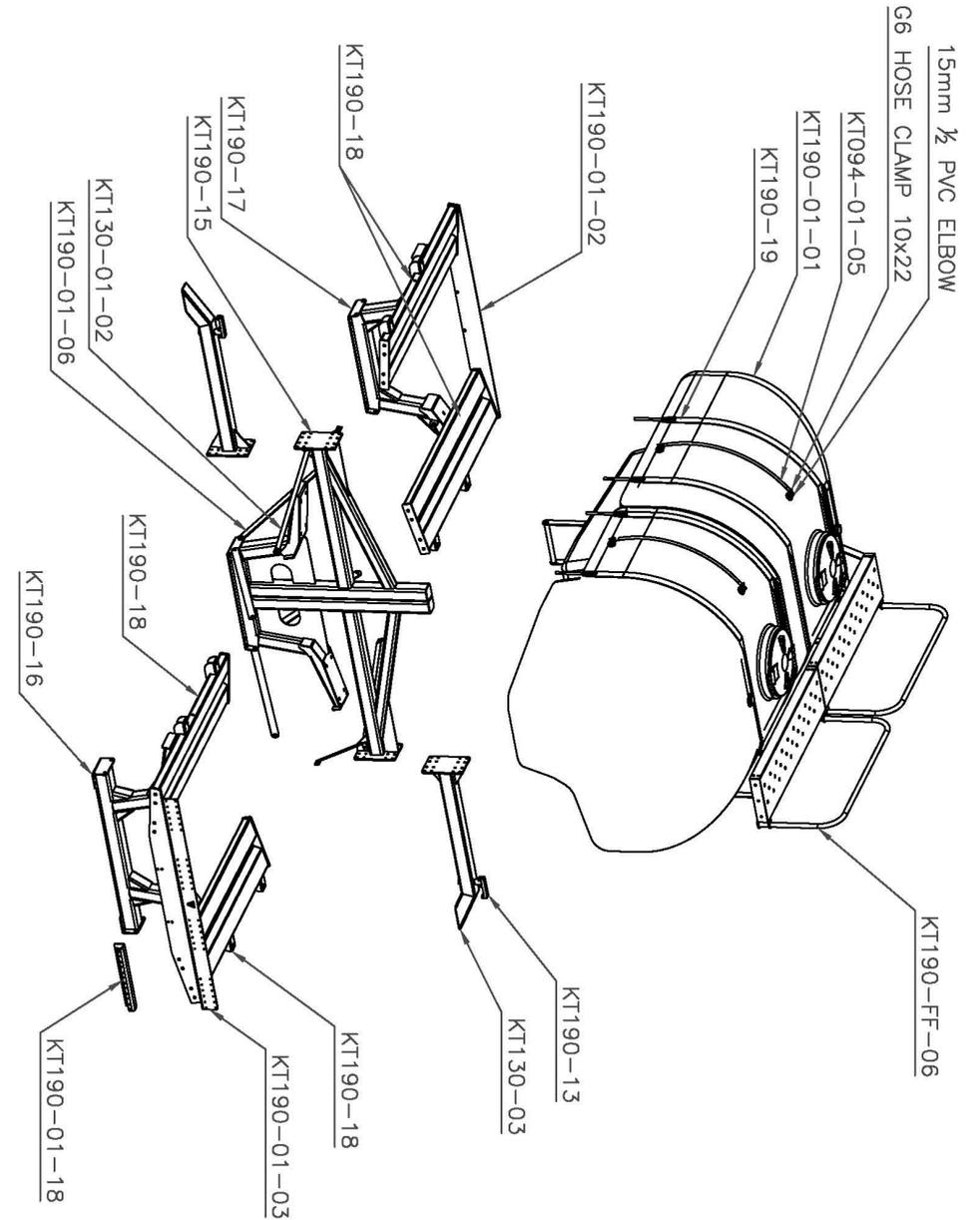
The implement should be lubricated regularly and after every pressure wash. This ensures operational reliability and reduces the costs of repair work and down times.

Do not over grease bearings.

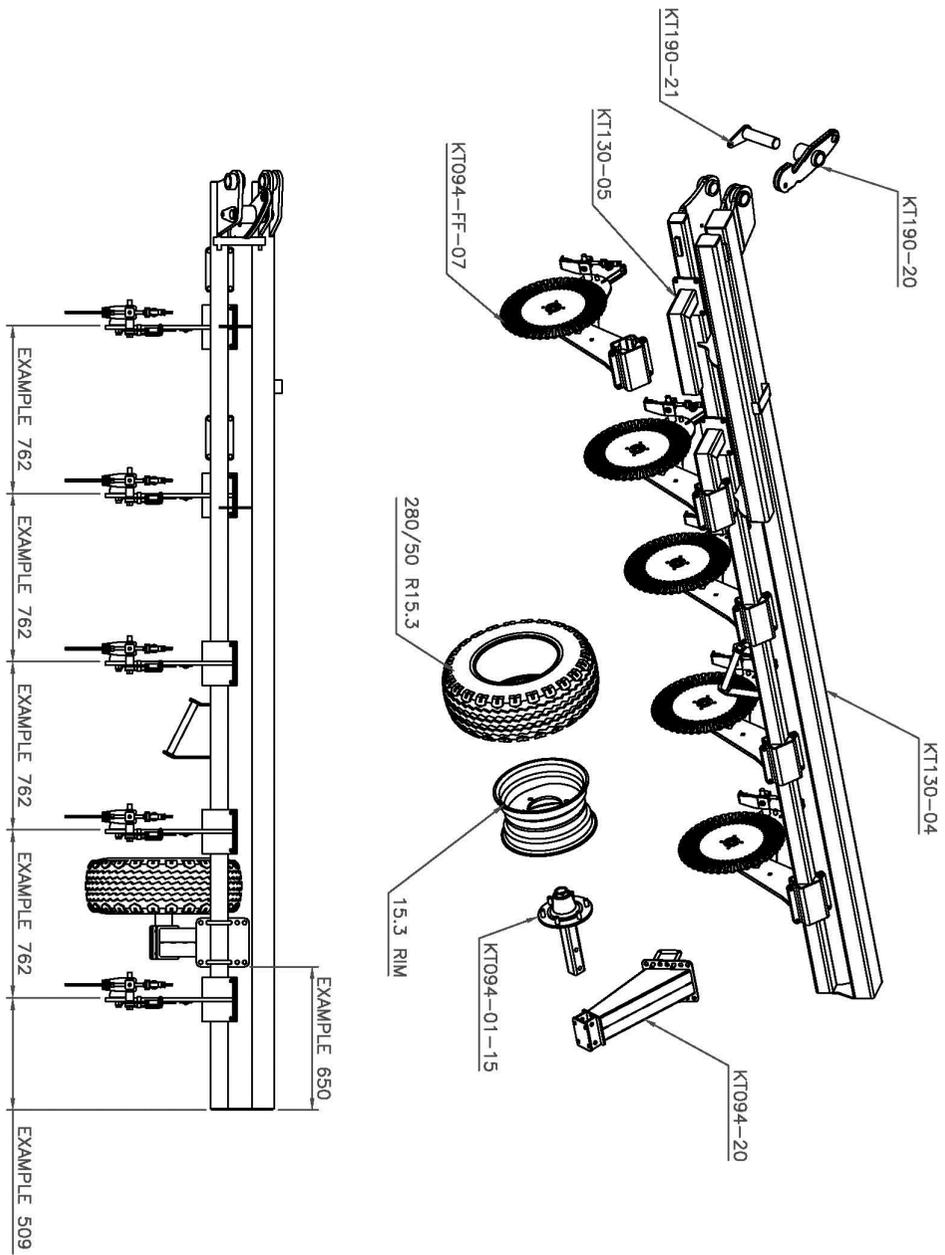
Lubrication points



Tank Assembly - KT130-FF-03



Wing Beam Assembly - BF070-FF-02



Main Assembly - KT130-FF-01

