

SCORPIO 710  
ASSEMBLY INSTRUCTIONS

Serie 10.1

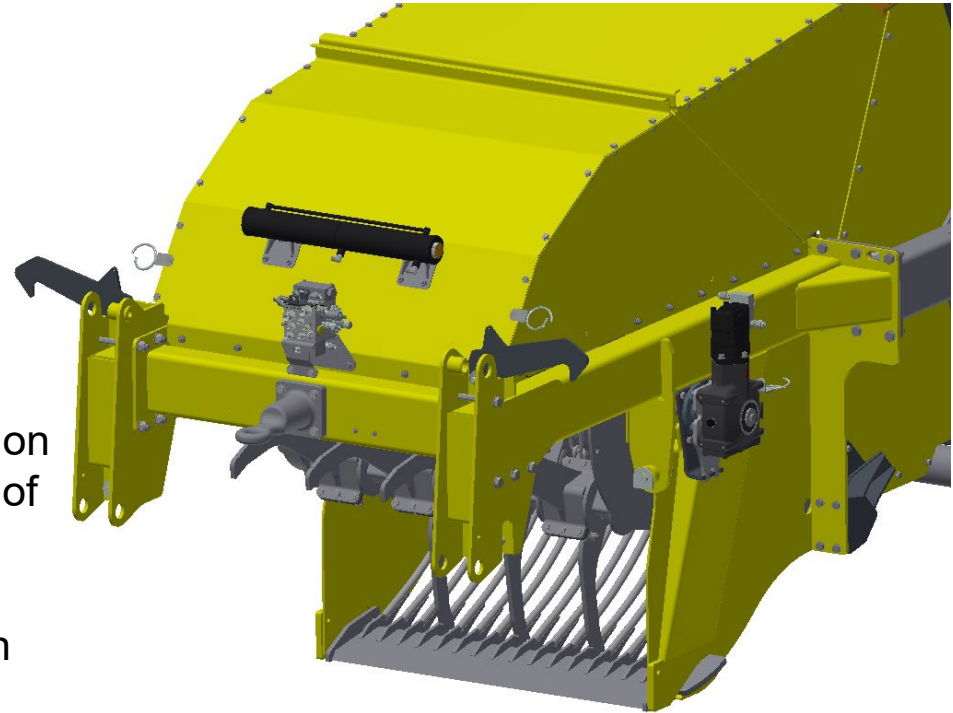
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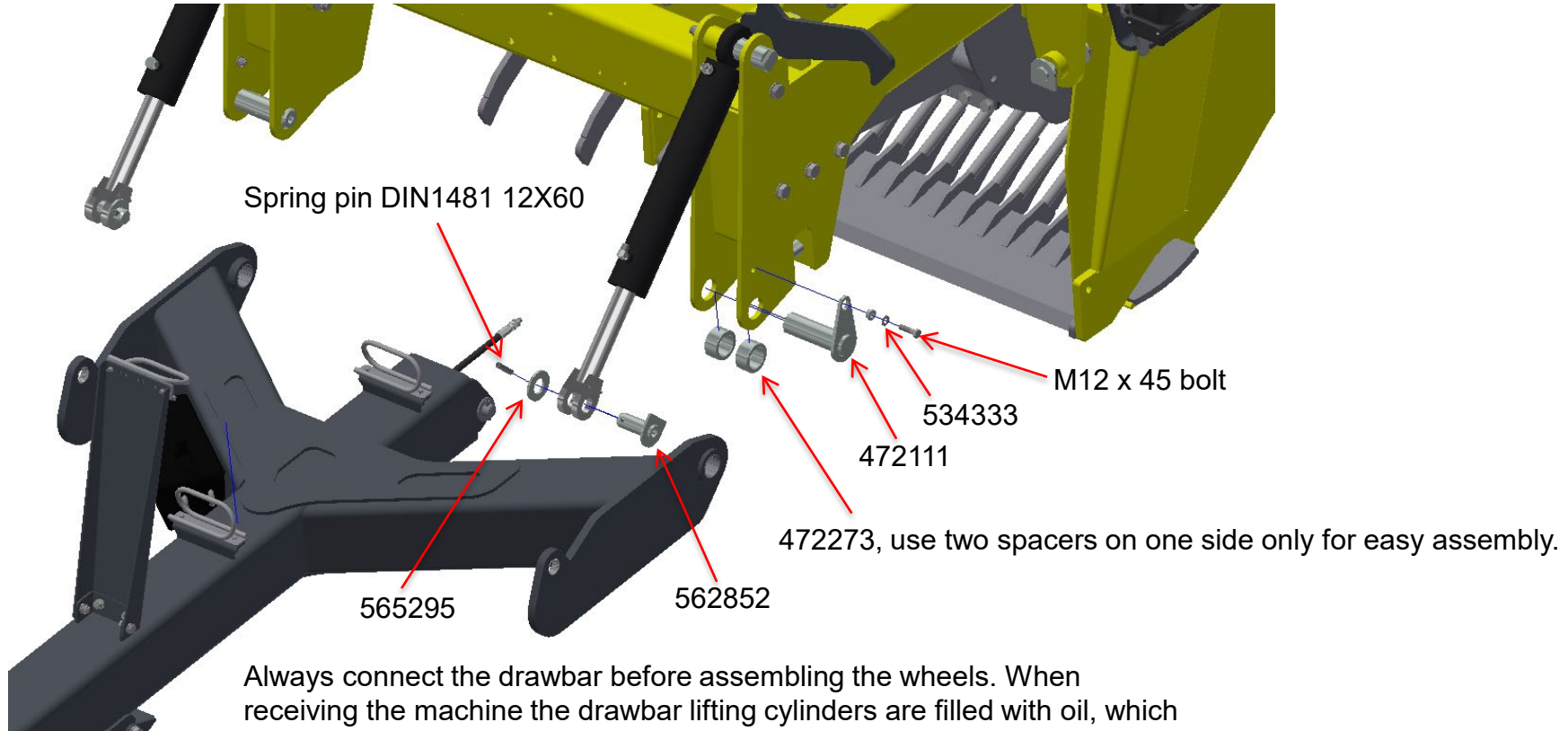
## UNLOADING

On export machine the towing eye is mounted on the front beam for easy loading and unloading of machines when the drawbar is not assembled.

Be careful when unloading to avoid damage on the main hydraulic block and hydraulic hoses.



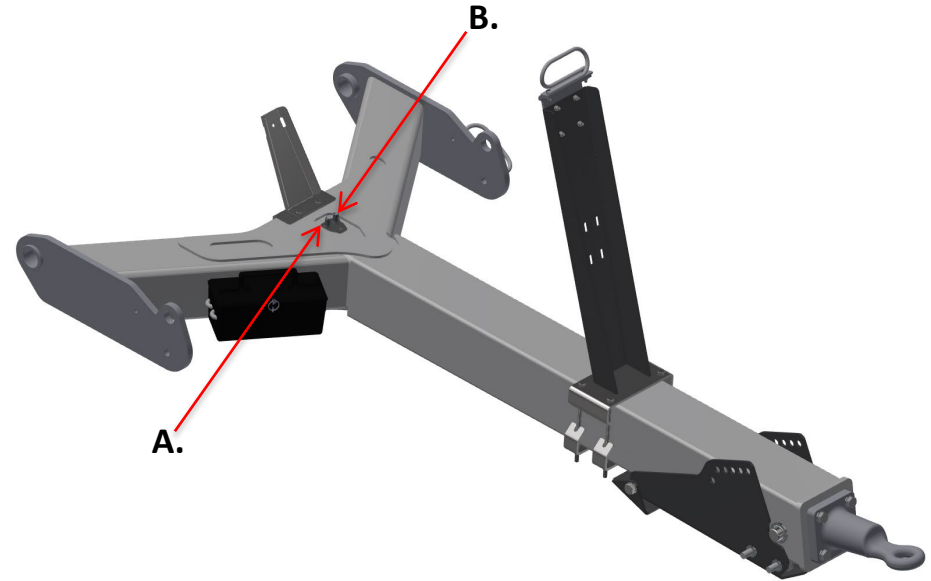
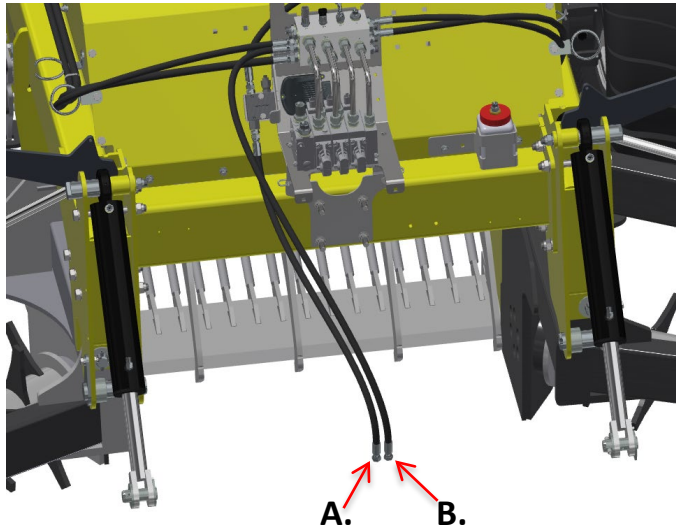
## ASSEMBLING THE DRAWBAR



Always connect the drawbar before assembling the wheels. When receiving the machine the drawbar lifting cylinders are filled with oil, which makes the drawbar harder to install after the tandem wheels has been assembled.

## ASSEMBLING THE DRAWBAR

Connect the hydraulic hose A (145470) and hydraulic hose B (145723).



# TELESCOPIC DRAWBAR SETUP



The pressure at which the telescopic drawbar extends is adjustable using this valve located on the right hand side of the main hydraulic block.

Loosen the set screw two full revolutions and adjust it in or out from there depending on the working conditions and operator preference.

If the drawbar extends fully when the machine is operated with the automatic depth control the operator may manually need to lift the machine all the way up before the drawbar retracts.

Hose from drawbar

## ASSEMBLING THE DRAWBAR

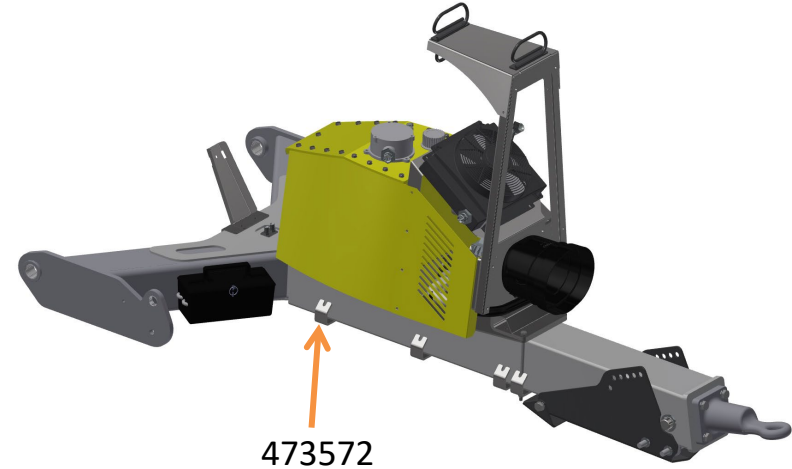
If the unit has a hydraulic unit it is attached with brackets to the drawbar, see page 4.

Two  $\frac{3}{4}$ " hydraulic hoses on the hydraulic unit is to be connected to the electrical hydraulic block.

Start by removing the longer hoses currently assembled on the block. these longer hoses are for when using the machine with a tractor with a LS pump. The block also has a small  $\frac{3}{16}$ " LS hydraulic hose prepared for LS drive, this hose is not used when using the hydraulic unit.

The longer hydraulic hose connects the pump to the P port on the block. The shorter hose go between the cooler and the T port on the block.

If the hydraulic unit is shipped without oil we recommend to fill the unit with 80 litre of 68 grade hydraulic oil or similar.

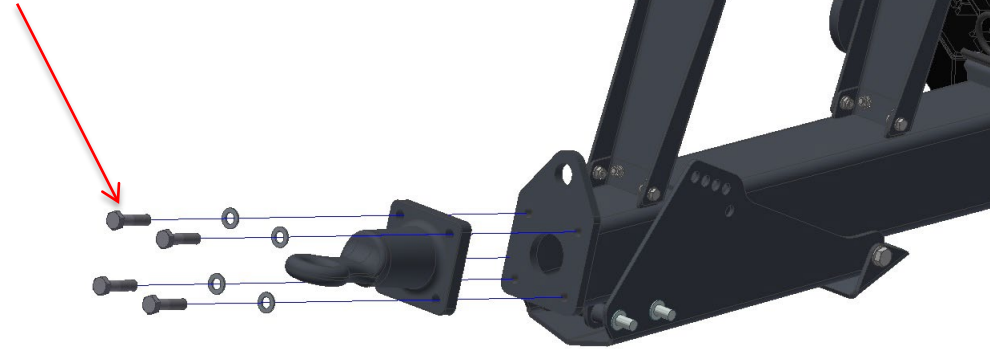
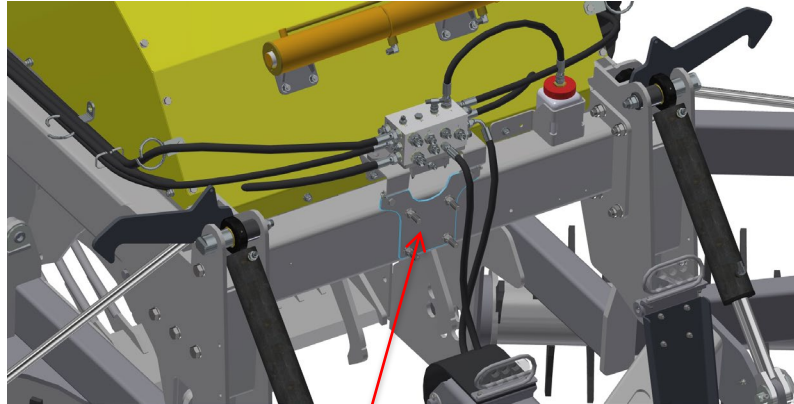


The Hydraulic unit connects onto the drawbar with brackets 473572 and long m12 bolts. The length of the PTO shaft need to be checked and may need to be cut to fit.



## ASSEMBLING THE DRAWBAR

Remove the towing eye and attach it to the drawbar. Glue and tighten M20x80 bolts to 385 Nm.

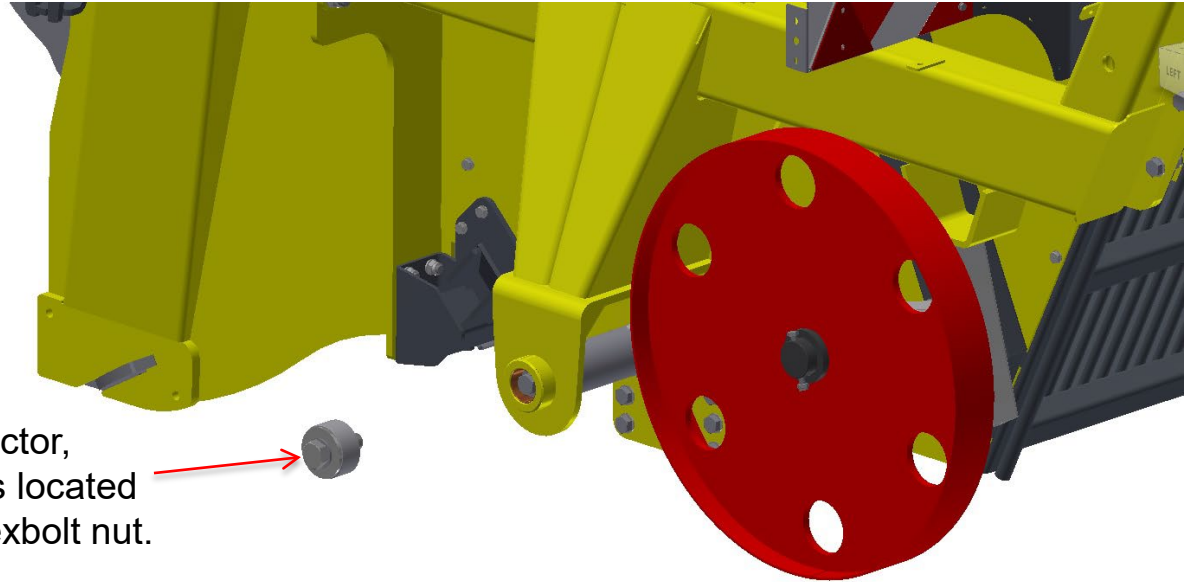


Attach the cover plate, part nr. 472665, with the supplied bolts and connect the bracket for the main hydraulic block.



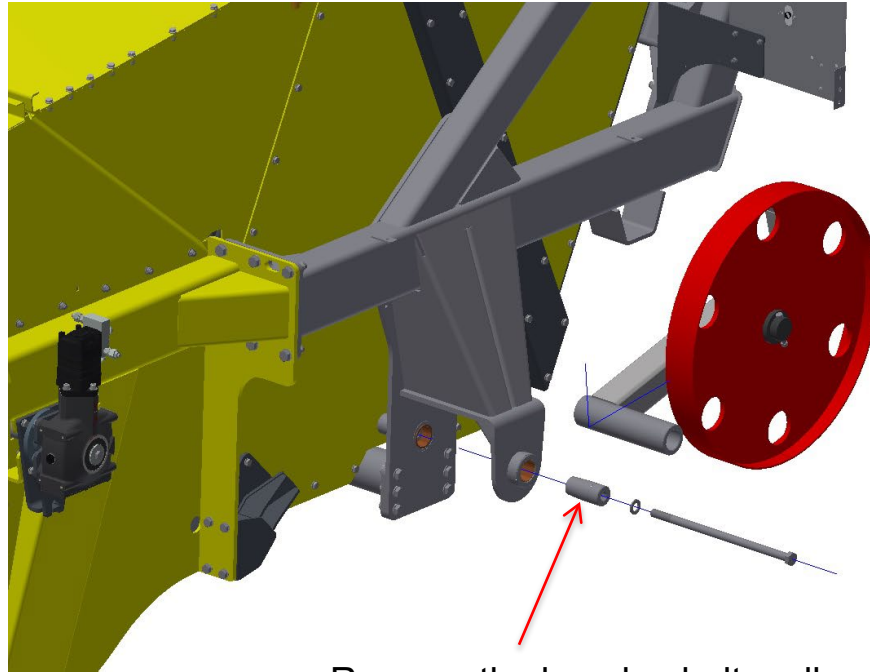
## ASSEMBLING THE WHEELS

Tapered pin extractor,  
Part nr 472578, is located  
under the long hexbolt nut.



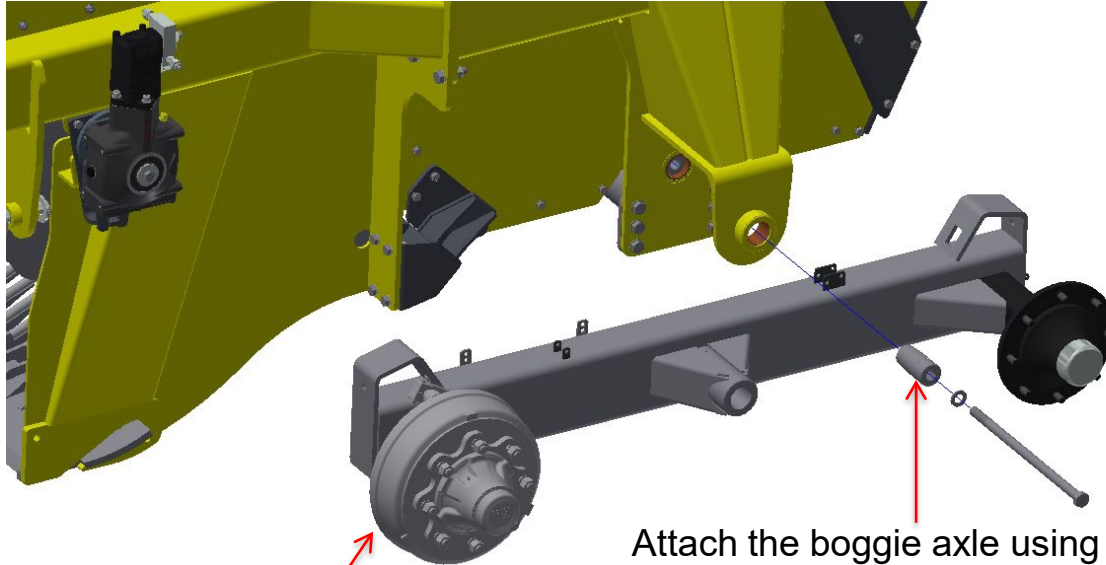
Take care when removing the transportation wheels and attaching the wheels. Make sure the machine is supported before removing any parts.

## ASSEMBLING THE WHEELS



Remove the long hexbolt, pull out both tapered pins and remove the transportation wheels.

## ASSEMBLING THE WHEELS



If the machine is supplied with brakes, the brakes should be on the front wheels.

Attach the bogie axle using the same tapered pins.

Tighten the M24 bolt to 935 Nm.

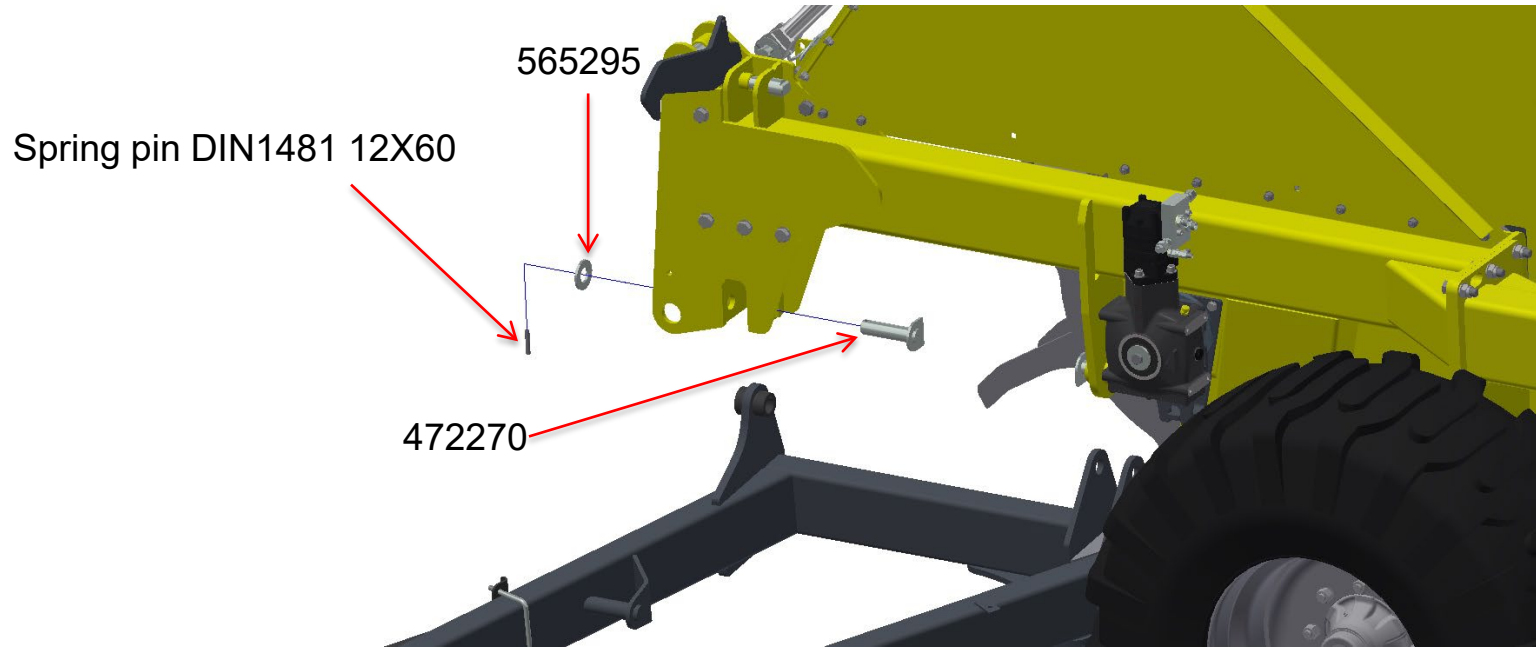
Note! The tapered pins have part nr 472206 and have a length of 120 mm.

## ASSEMBLING THE WHEELS



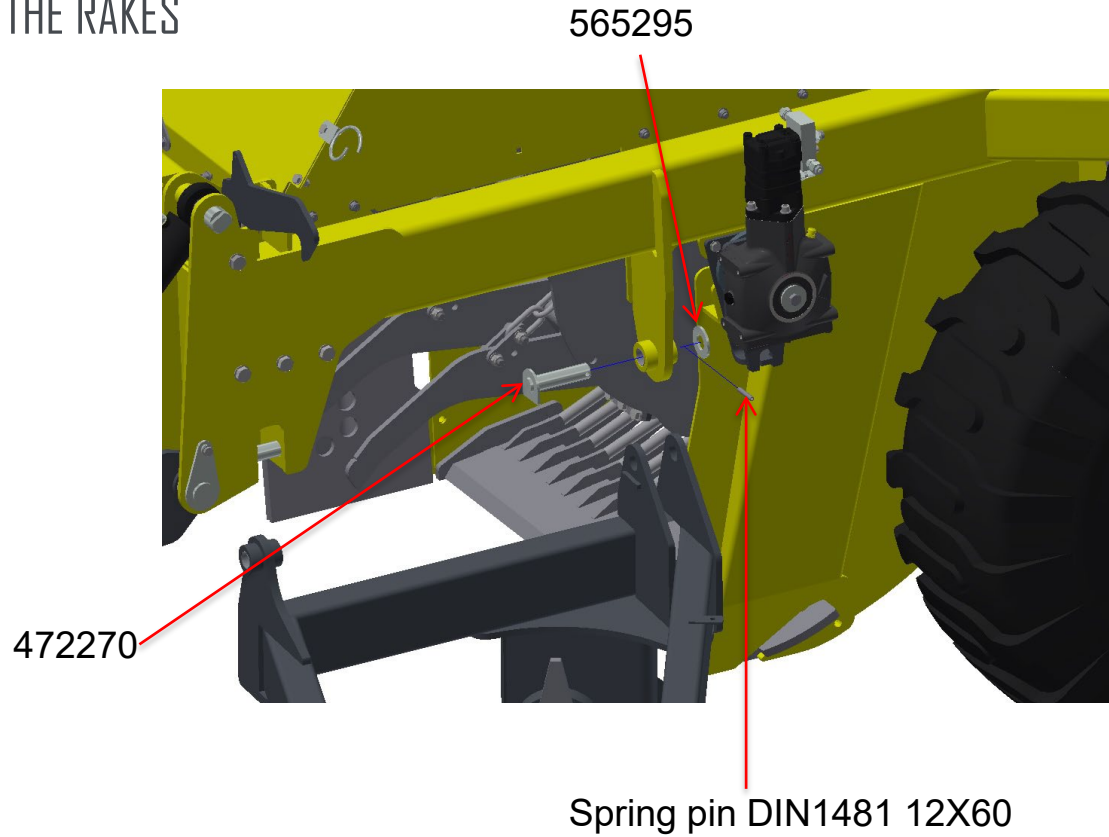
Attach the wheels using eight wheel nuts, tighten to 450 Nm.

## ASSEMBLING THE RAKES



If the rakes are shipped on wooden pallets you can lift the rakes in place while they are still on the pallet. It is recommended to attach the drawbar before assembling the rakes so that you can lift the machine if needed.

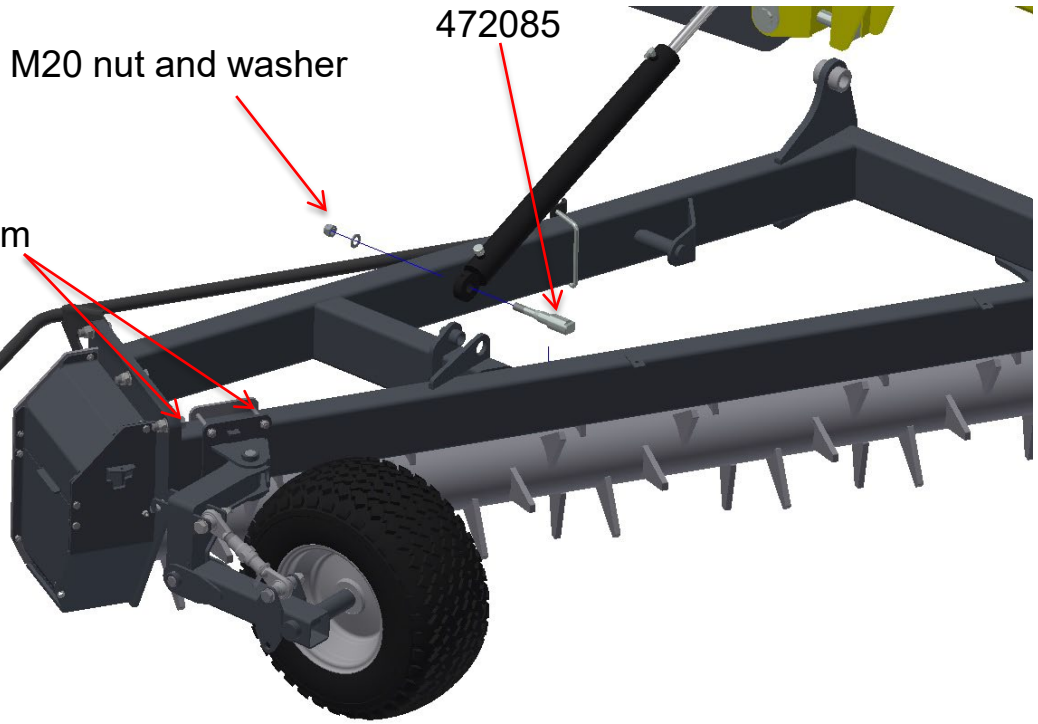
## ASSEMBLING THE RAKES





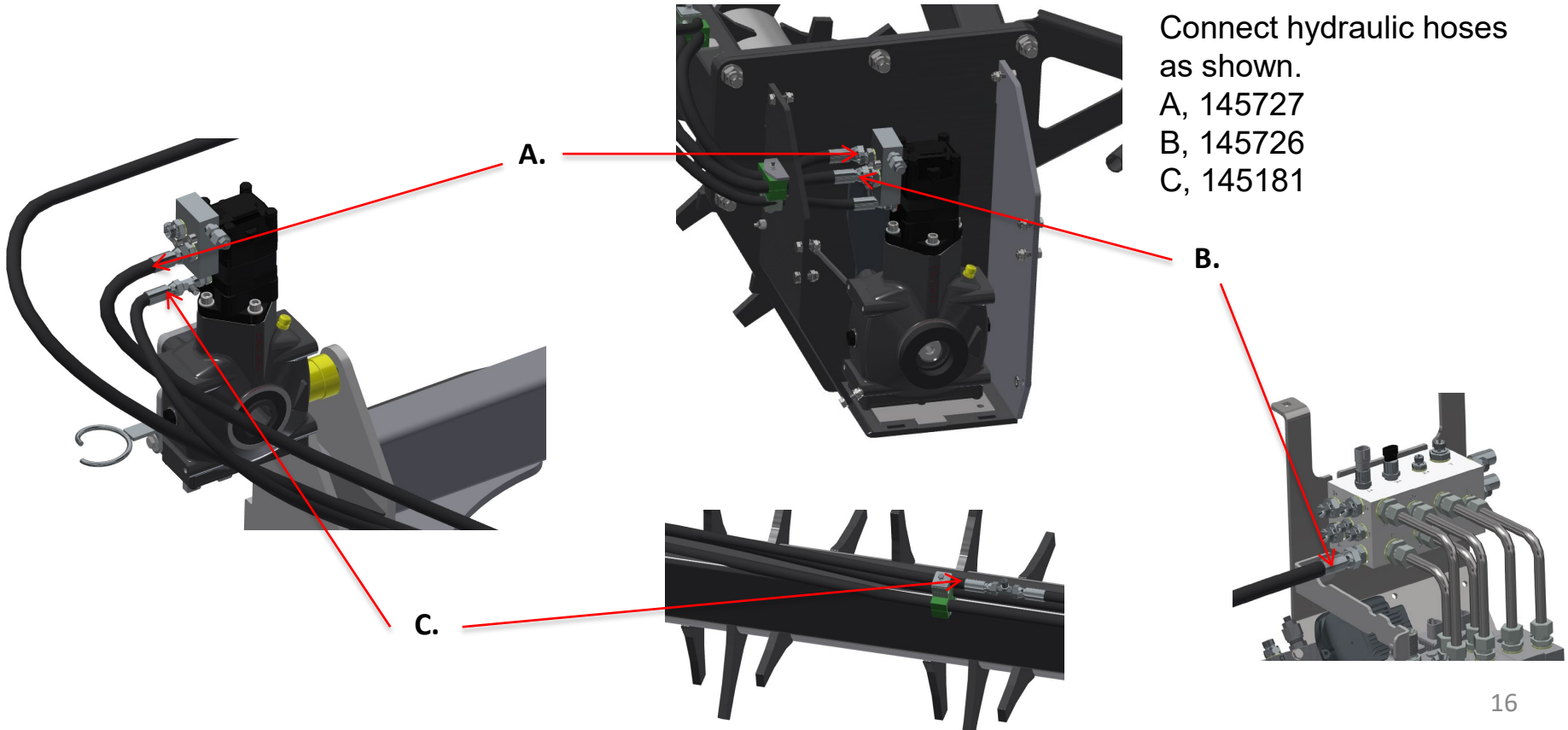
## ASSEMBLING THE RAKES

Assemble the support wheel 200-250 mm from the end plate.





# ASSEMBLING THE RAKES

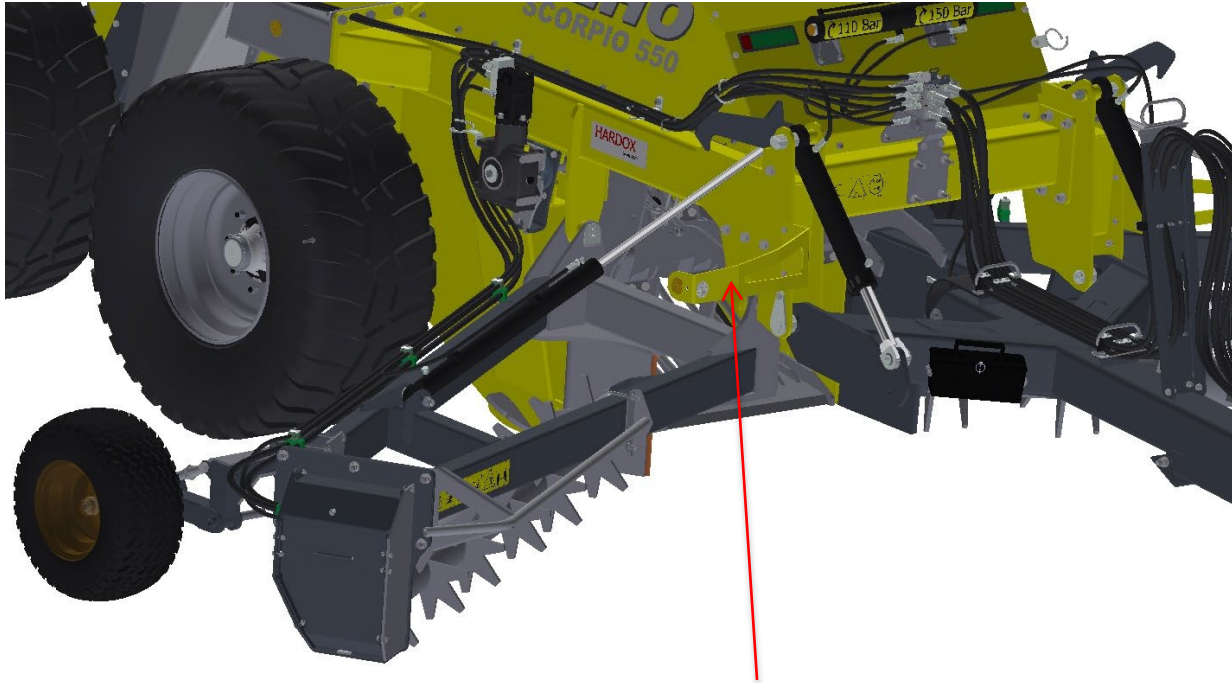


## ASSEMBLING THE RAKES



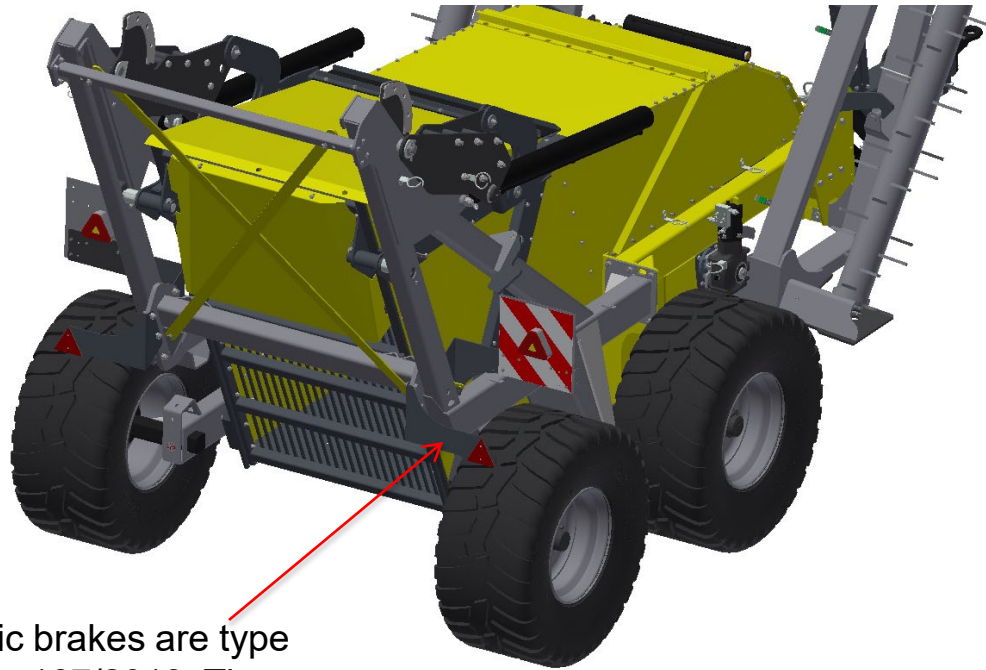
- Greenline connect to 50/50 divider under main block (4+)
- Redline connects to T-connection on motor drain line (yellow)

## ASSEMBLING REFLECTOR BRACKETS



Front reflector brackets

## ASSEMBLING REFLECTOR BRACKETS



Machines with pneumatic brakes are type approved according to eur167/2013. These machines are delivered with rear reflector brackets.

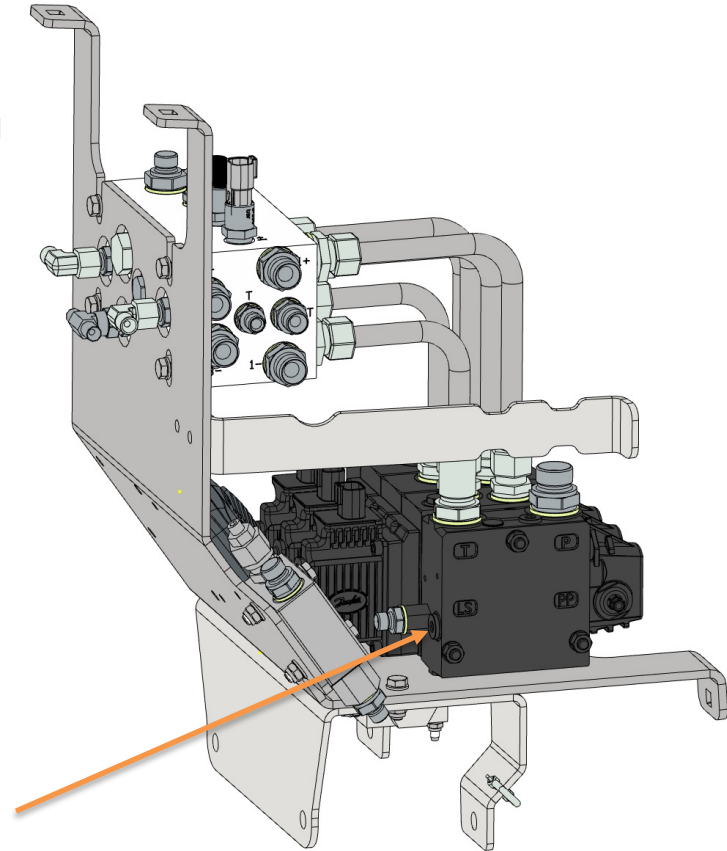
# INLET MODULE SELECTOR



The Danfoss Pvg 32 valveblock used on the Scorpio 710 and Scorpio 550 SF comes with a selectable inlet module for both open center and closed center configuration.

When the stonepicker is delivered the machine is set in the **open center configuration** which is used with the hydraulic unit. In this configuration the selector screw is turned all the way in.

To change to **closed center configuration** that is used when using the load sensing pump on the tractor the 6mm selector has to be turned counter-clockwise (screw out) all the way which is about 6 full revolutions. When used with a LS pump the 3/16" LS hose has to be connected.



Selector screw  
6mm hex key





