

SCORPIO 550
ASSEMBLY INSTRUCTIONS

Serie 10.6

Unloading

Assembling the drawbar

Assembling the wheels

Assembling the rakes

Assembling reflector brackets



SAFETY



Use only appropriate equipment when lifting and handling machine parts.

Use proper stands, work platforms and ladders to access areas that cannot be reached from ground level.

Make sure the machine is securely supported before working on the machine.

Use personal protective equipment:

- Always Wear Safety Glasses
- Hard Hat
- Steel Toe Safety Footwear
- Gloves
- Hearing Protection
- Close Fitting Clothing

UNLOADING

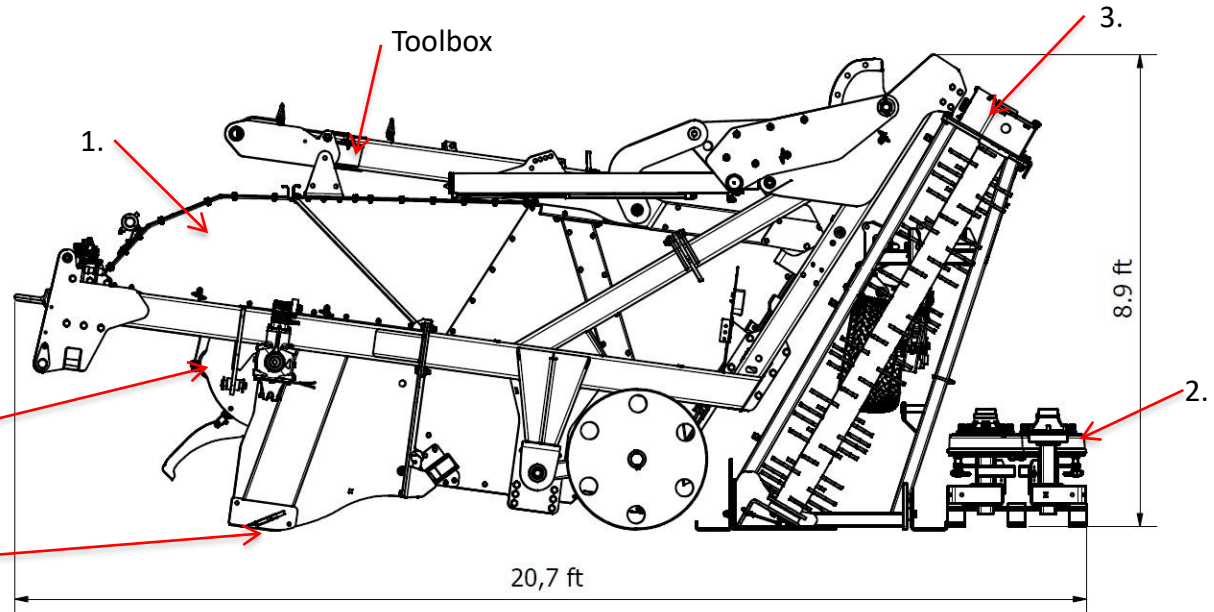
As delivered the machine is broken up into three packages:

1. Base machine with steel temporary shipping wheels mounted. Machine wheels inside the stone hopper. Drawbar attached on top of machine.
2. Tandem wheel axles on pallet.
3. Wings standing using custom supports.

All small parts, bolts and pins, are shipped in the toolbox or cardboard box.

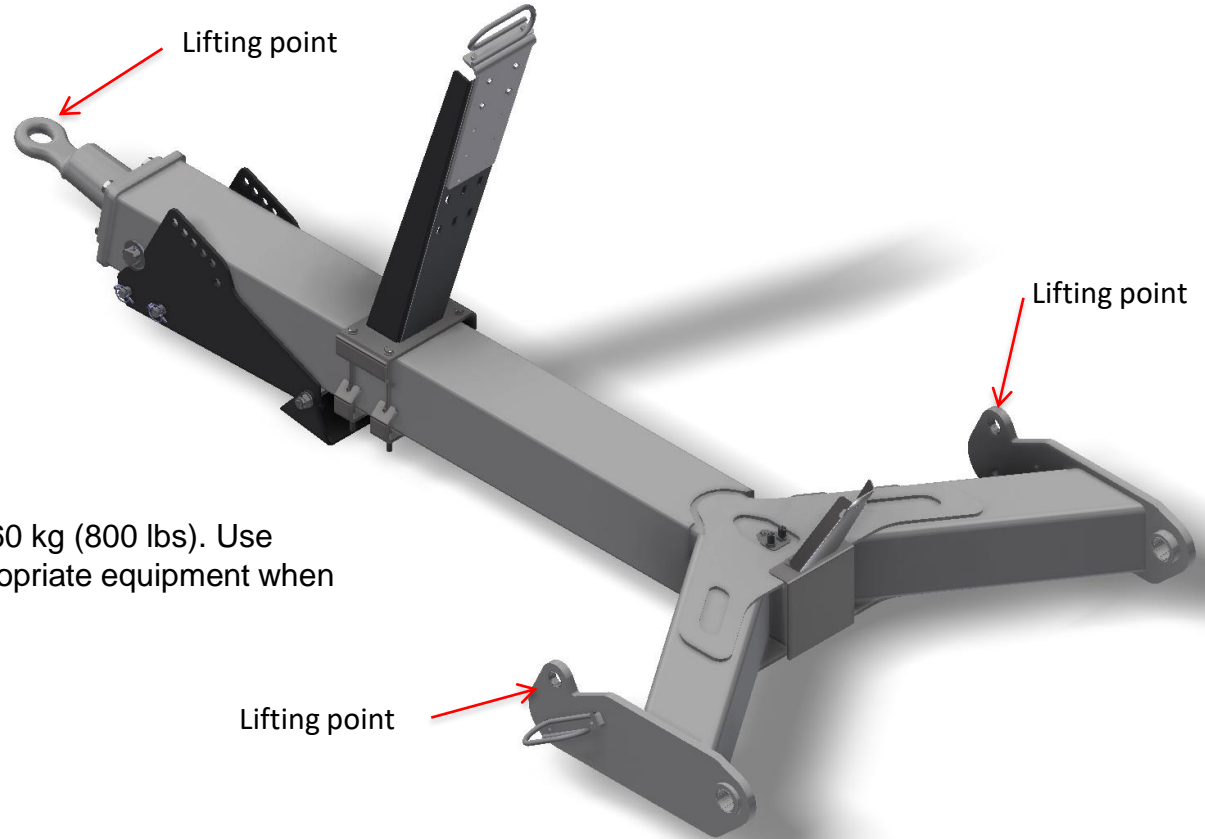
Towing eye is mounted on the front cross beam and should be used during unloading. The weight on the towing eye is 3800 lbs.

Cardboard box



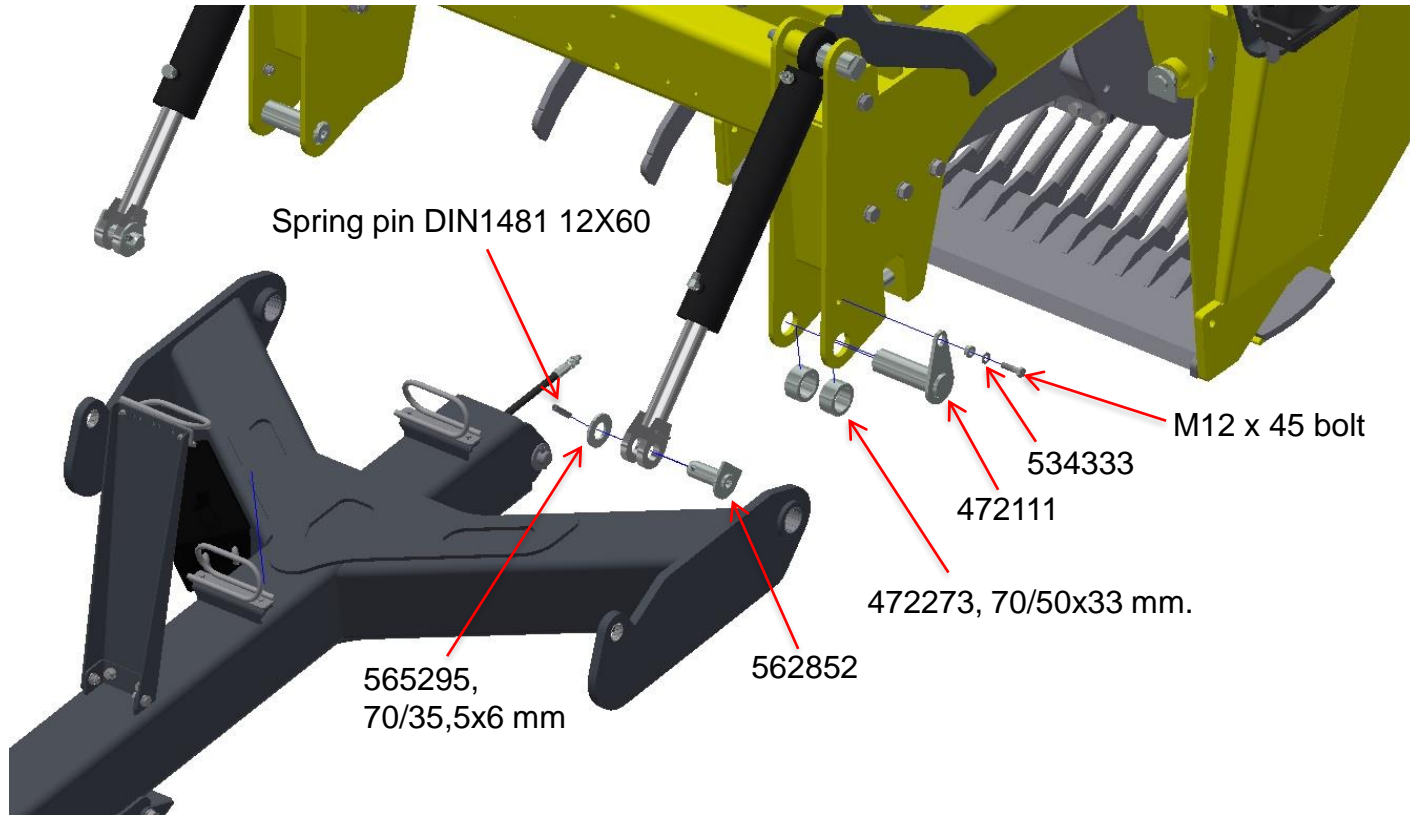
The soil blade always has to be lifted 4 inch when machine is inside of the container!

ASSEMBLING THE DRAWBAR



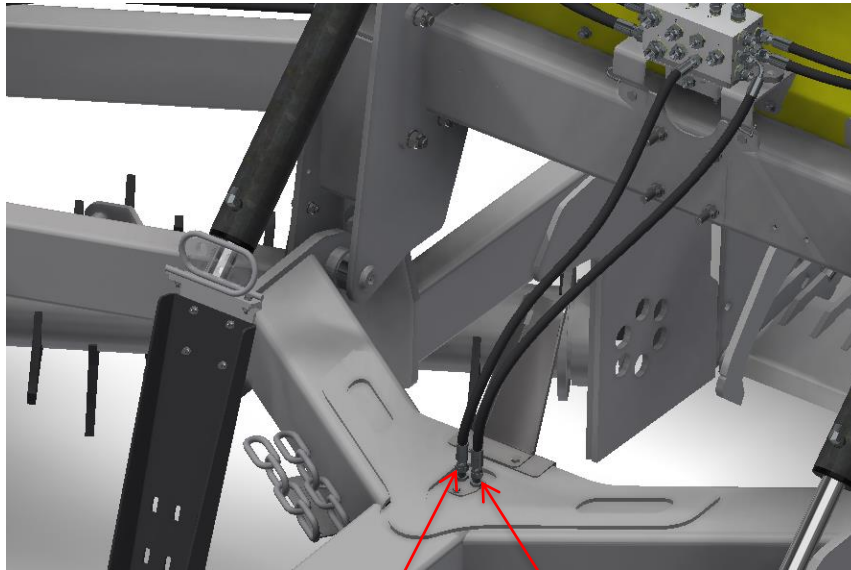
The total weight for the drawbar is 360 kg (800 lbs). Use recommended lifting points and appropriate equipment when handling the drawbar.

ASSEMBLING THE DRAWBAR

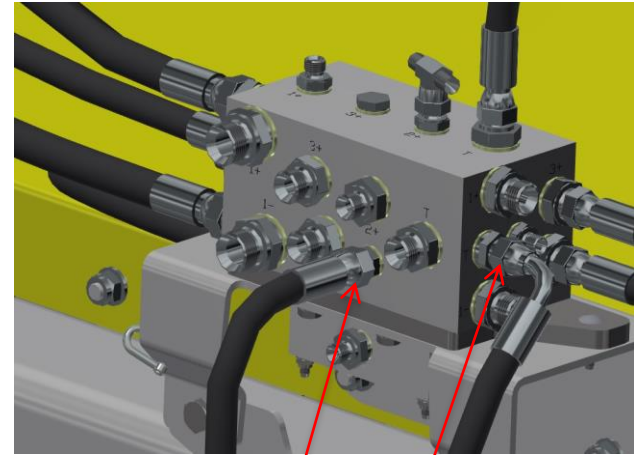


ASSEMBLING THE DRAWBAR

Connect the hydraulic hose from port A to a port marked 2+ and the hose from port B to a port marked T.



A. B.

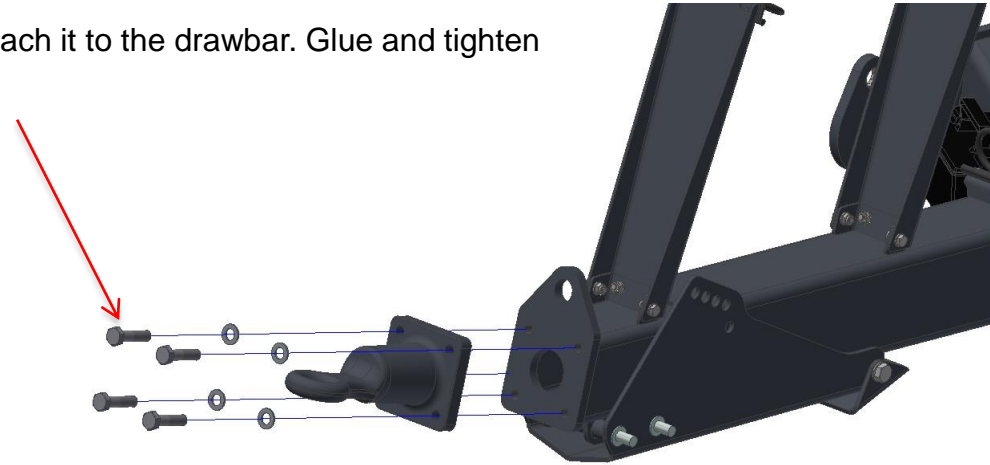
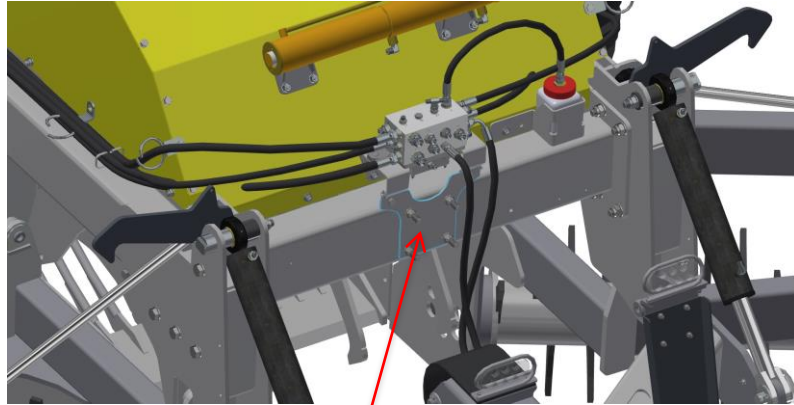


A. B.

NOTICE, cases where the hydraulic hoses are incorrectly connected will result in the drawbar extending when trying to lift the machine. In these cases, you should switch the positions of the hoses on the drawbar with each other.

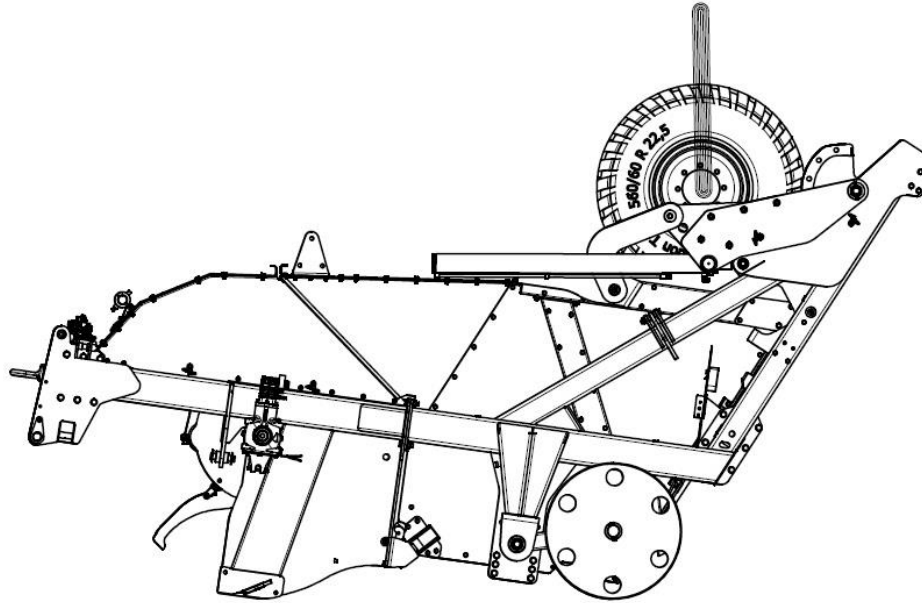
ASSEMBLING THE DRAWBAR

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



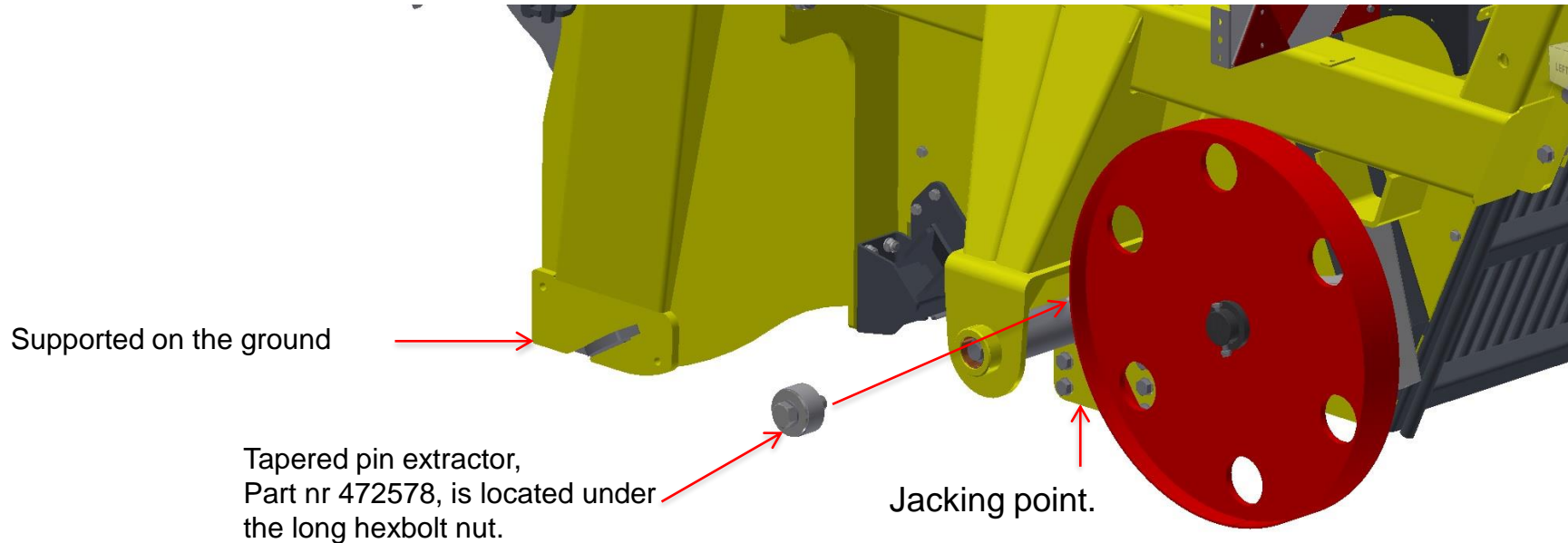
Attach the cover plate, part nr. 472665, with the supplied bolts and connect the bracket for the main hydraulic block.

ASSEMBLING THE WHEELS



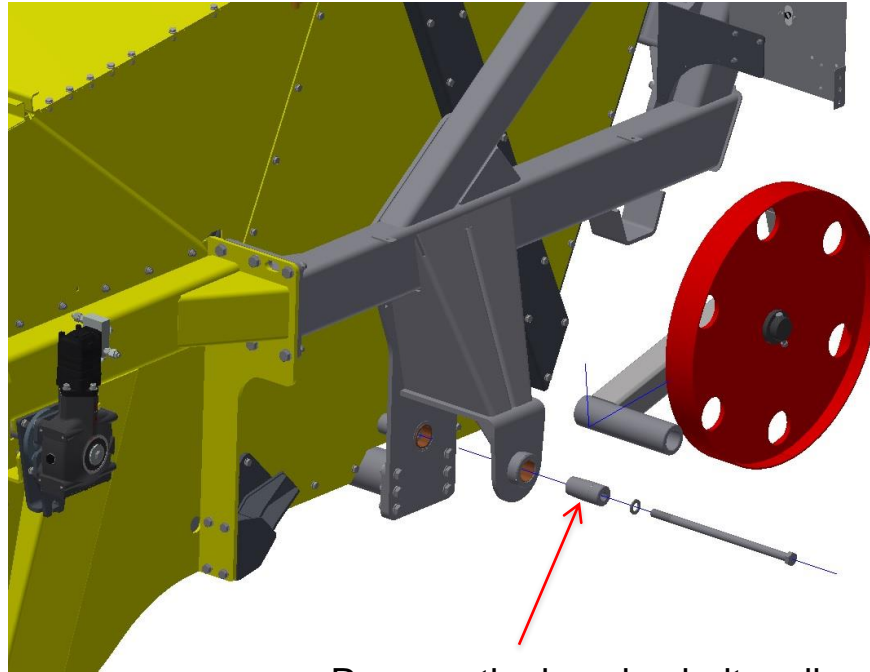
Lift the wheels carefully out of the hopper using appropriate lifting slings. One wheel weigh 180 kg (400 lbs).

ASSEMBLING THE WHEELS



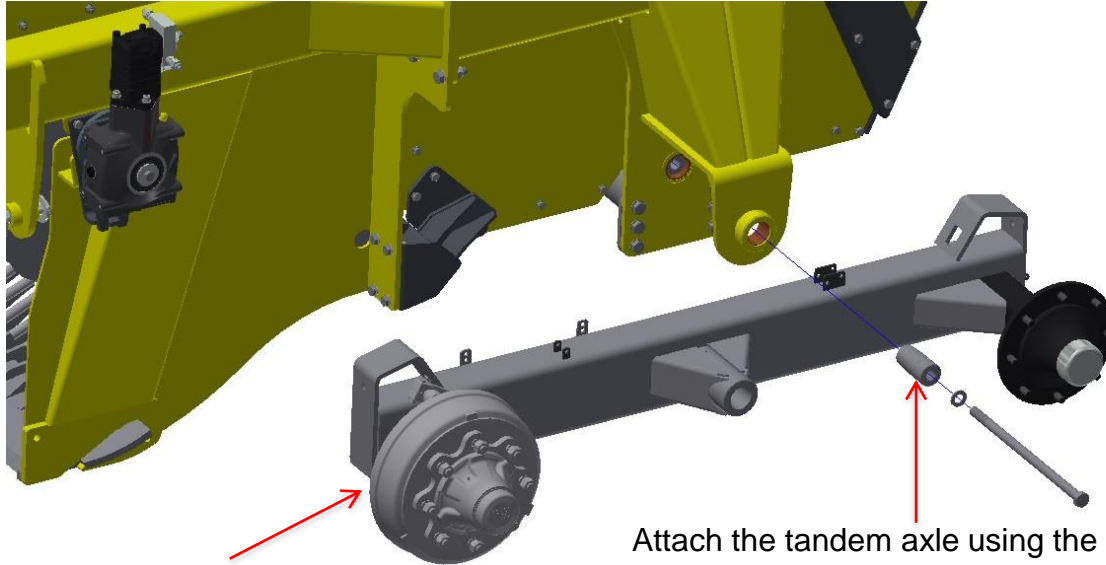
Take care when removing the temporary wheels and attaching the wheels. Make sure the machine is well supported before removing any parts by two support jacks. Support height is 16 inch and the total weight on one jack is 2500 kg (5500 lbs).

ASSEMBLING THE WHEELS



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

ASSEMBLING THE WHEELS



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

Attach the tandem axle using the same tapered pins used for the temporary wheels.

Tighten the M24 bolt to 935 Nm.

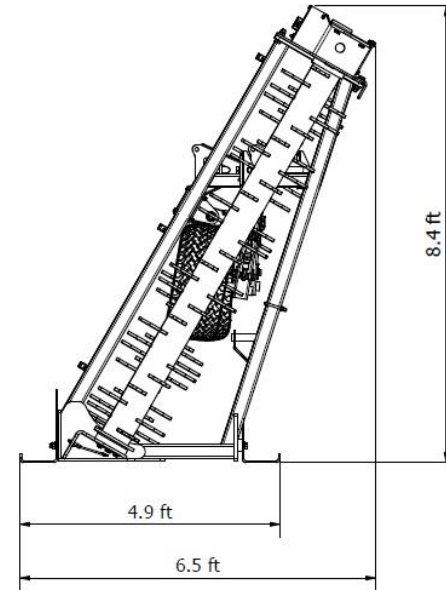
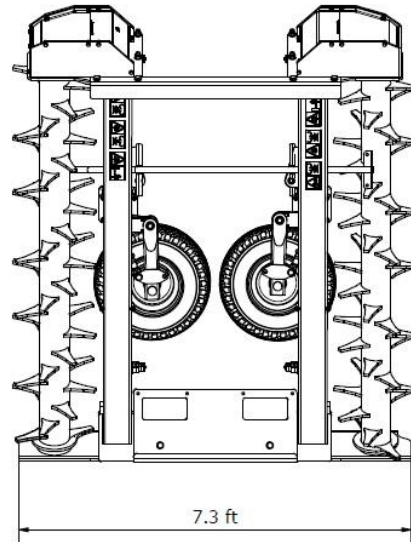
One wheel axle has a total weight of 250 kg (550 lbs). The recommended method to lift the wheel axle in place is having the wheel axle on a pallet and lifting it with a forklift to the correct position.

ASSEMBLING THE WHEELS



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

ASSEMBLING THE WINGS

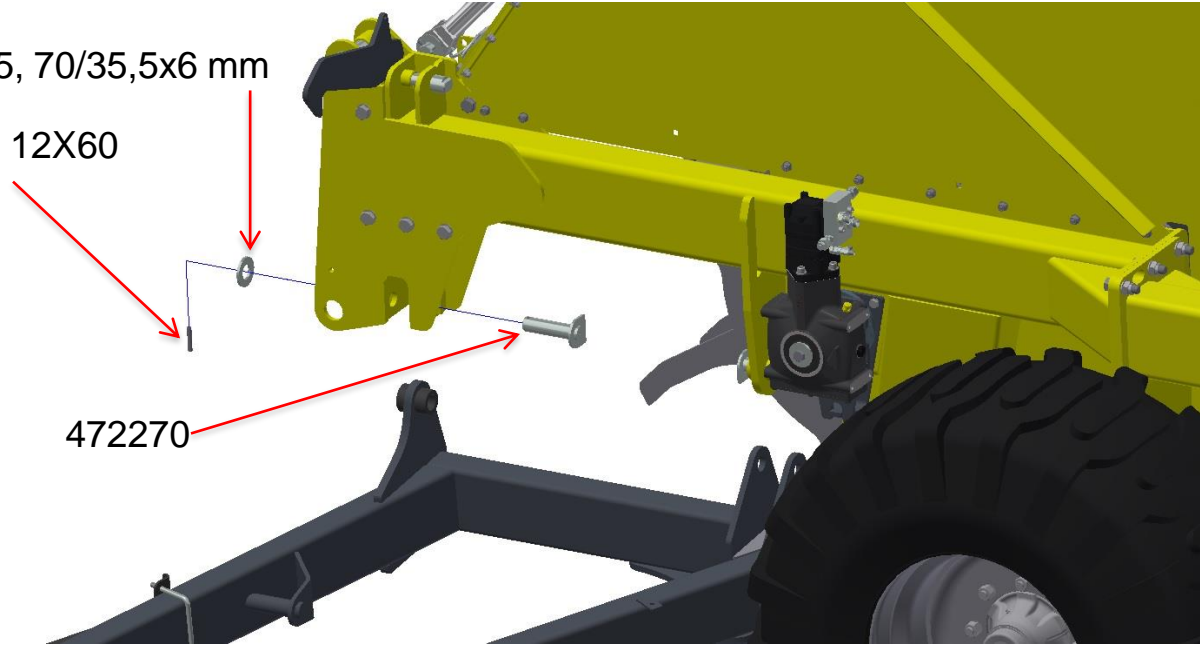


Take care when removing the shipping supports and opening the wing package. The total weight of this package is 1100 kg (2400 lbs).

ASSEMBLING THE WINGS

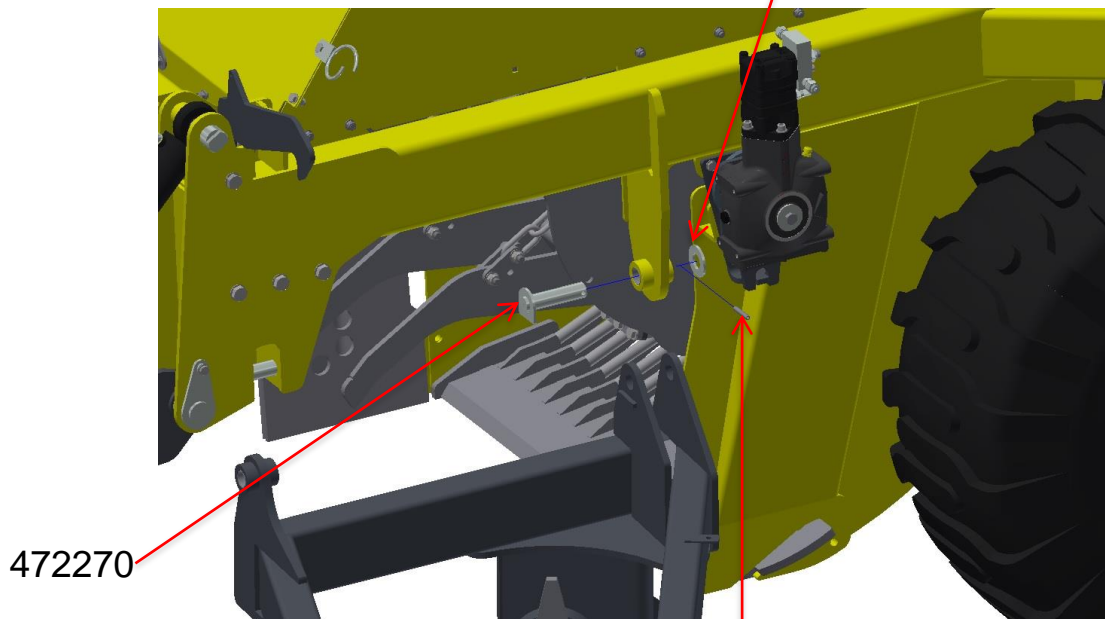
565295, 70/35,5x6 mm
Spring pin DIN1481 12X60

472270



ASSEMBLING THE WINGS

565295, 70/35,5x6 mm



472270

Spring pin DIN1481 12X60

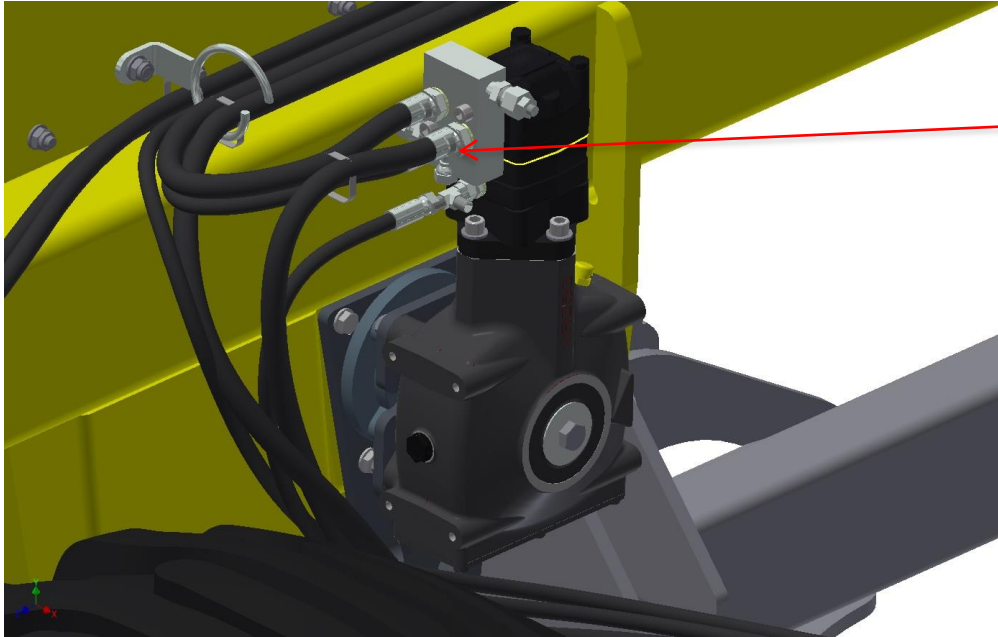


ASSEMBLING THE WING

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

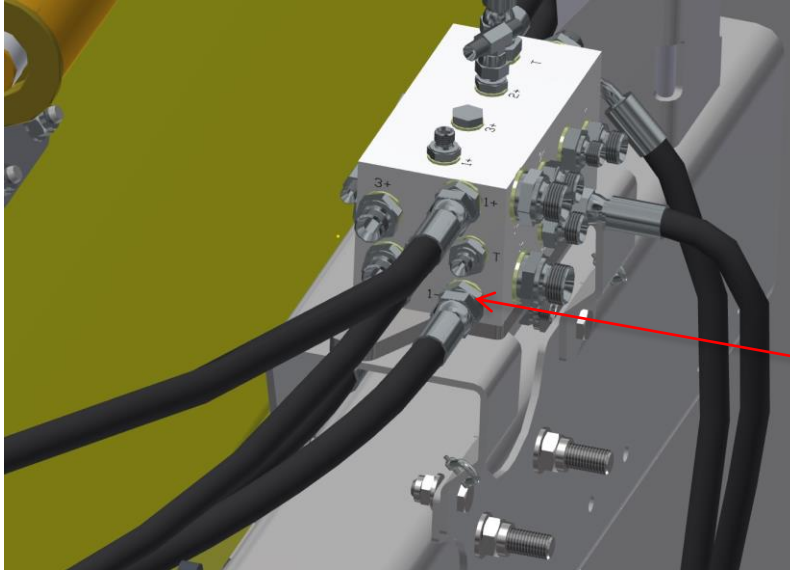


ASSEMBLING THE WINGS



Connect the shorter hose (145669) from the rake motor to the outer port on the shock valve for the main rotor motors.

ASSEMBLING THE WINGS



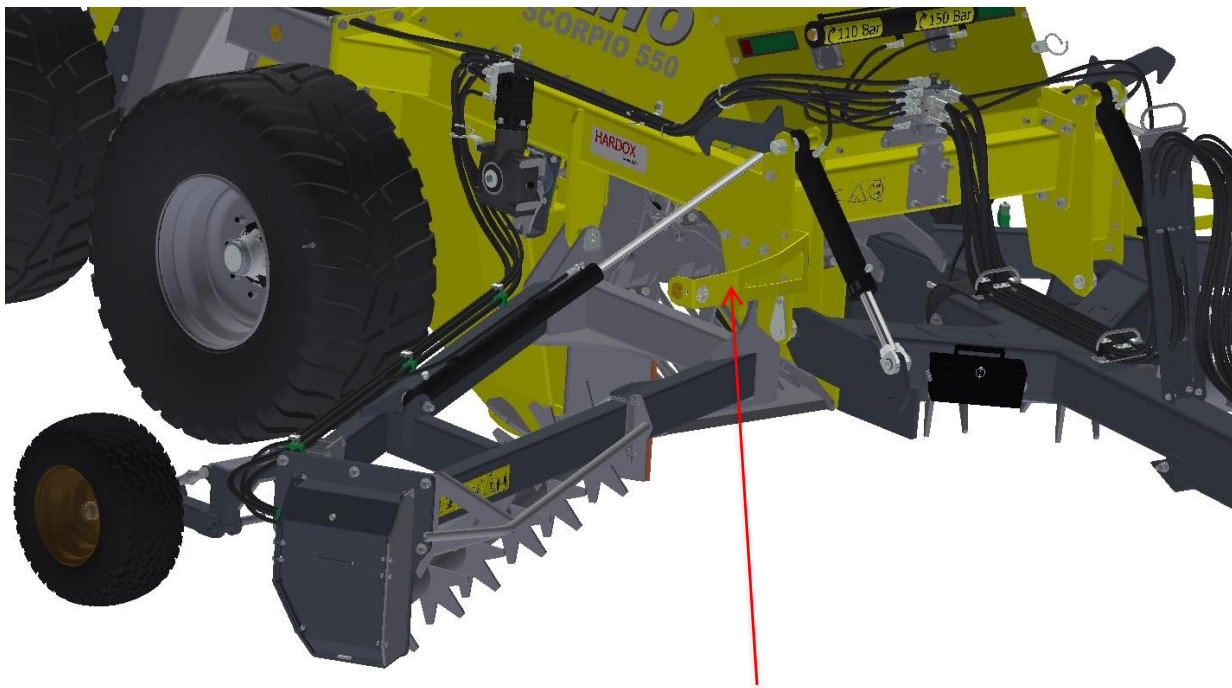
Connect the longer hose (145019) from the rake motors to the main block ports marked R1- for the right side rake and port L1- for the left side rake.

ASSEMBLING THE WINGS



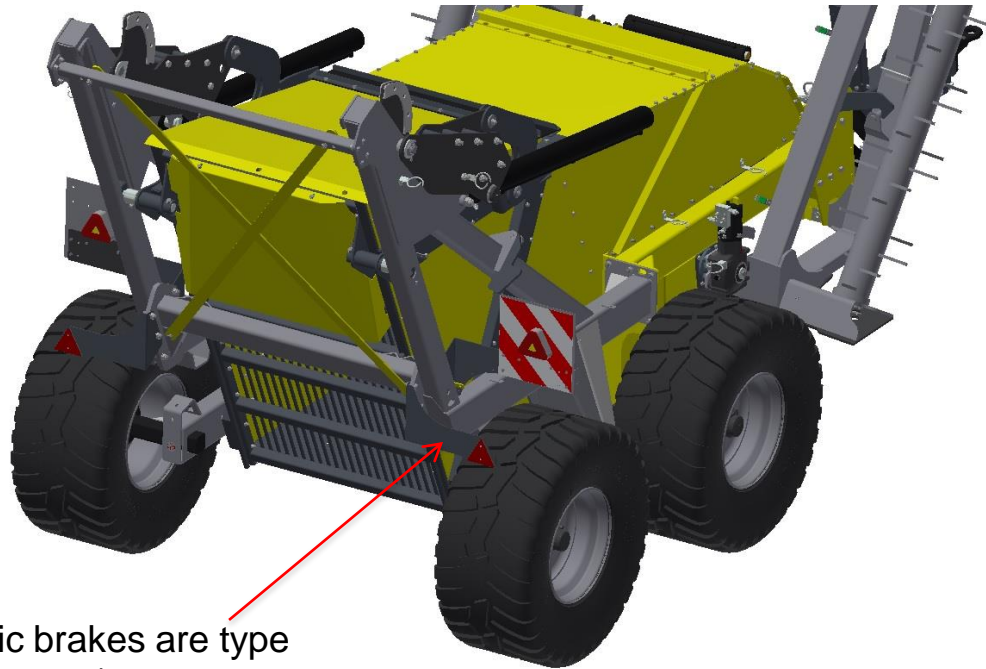
- Greenline connect to 50/50 divider under main block (4+)
- Redline connects to T-connection on motor drain line (yellow)
- Yellow line connect motor drain ports.

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.



