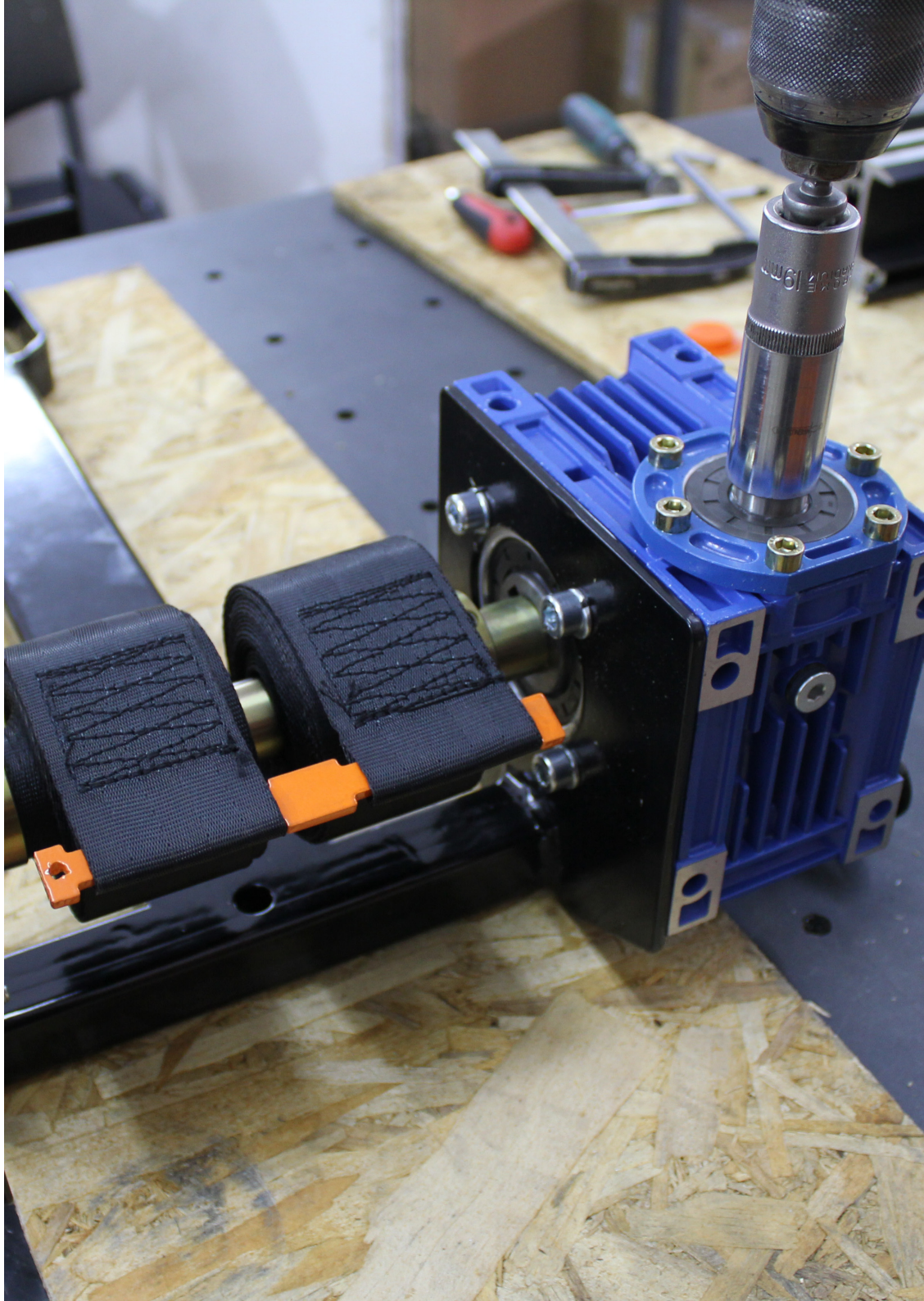
ASSEMBLY INSTRUCTIONS - AUN RAMPS

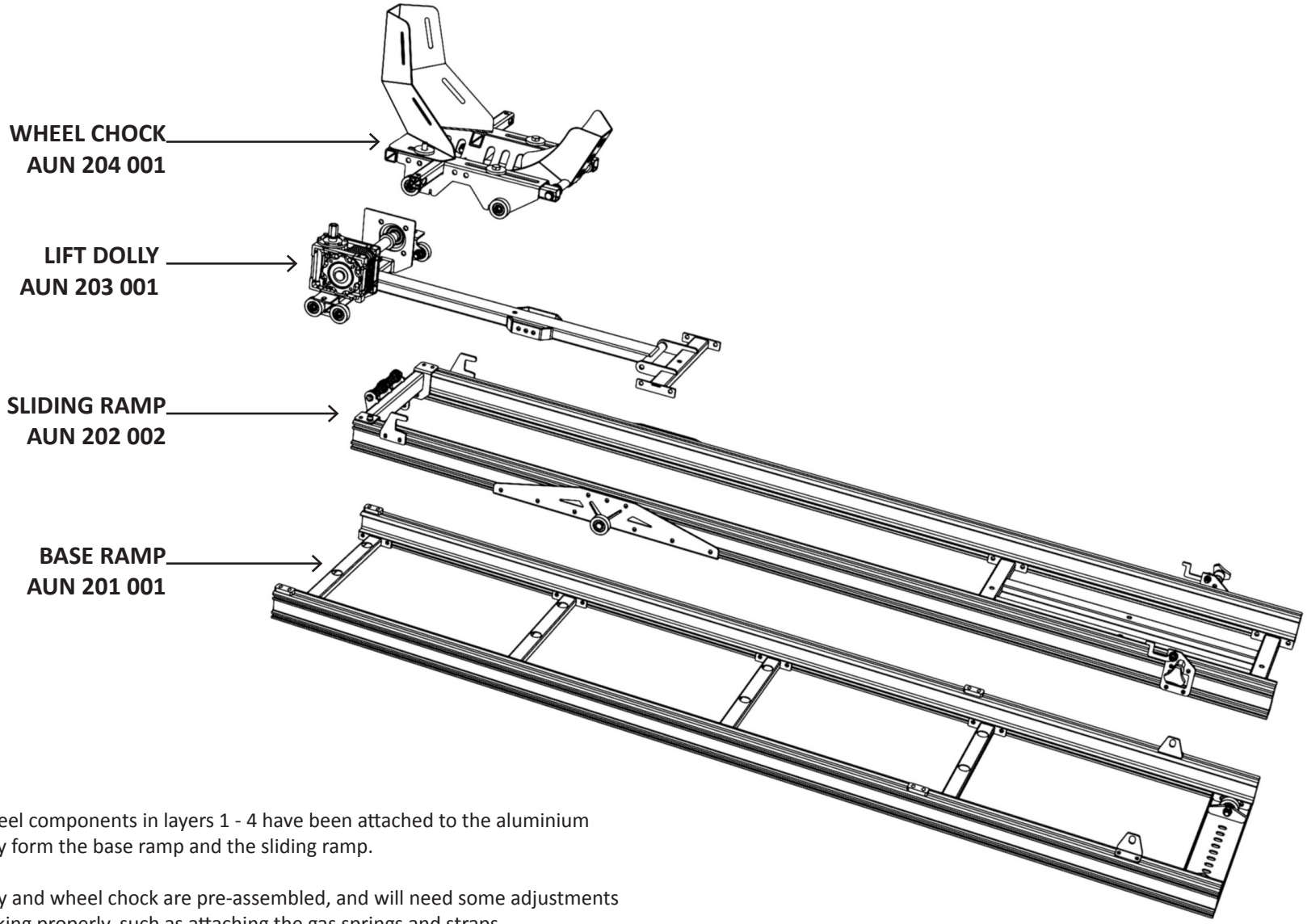
REVISION 4, OCTOBER 4, 2021

The ramp kits come in pre-assembled form, that is, with most of the parts already assembled, and with all bolts already attached to these parts.



neo-dyne

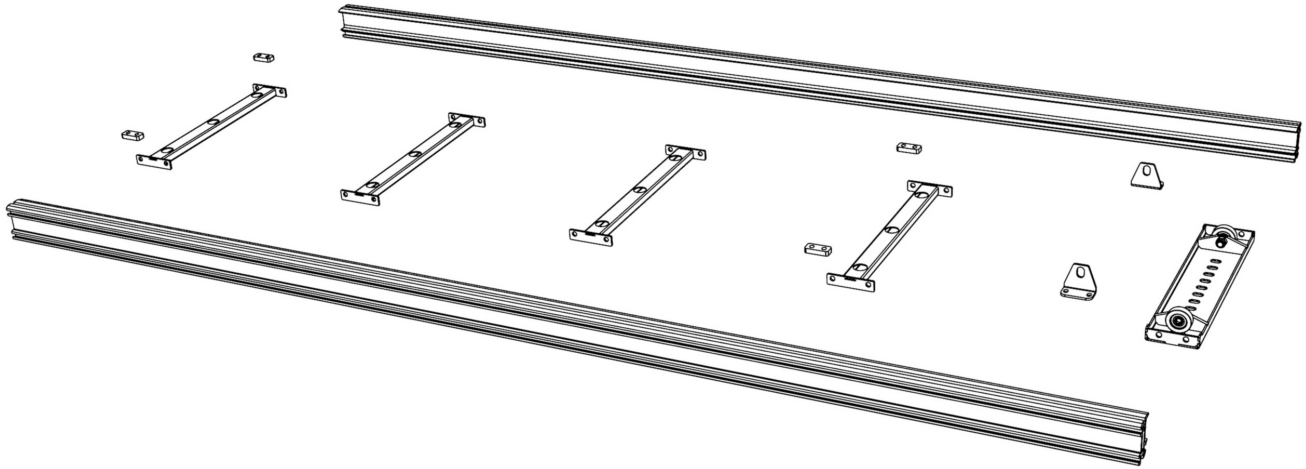
ASSEMBLY INSTRUCTIONS - AUN RAMPS

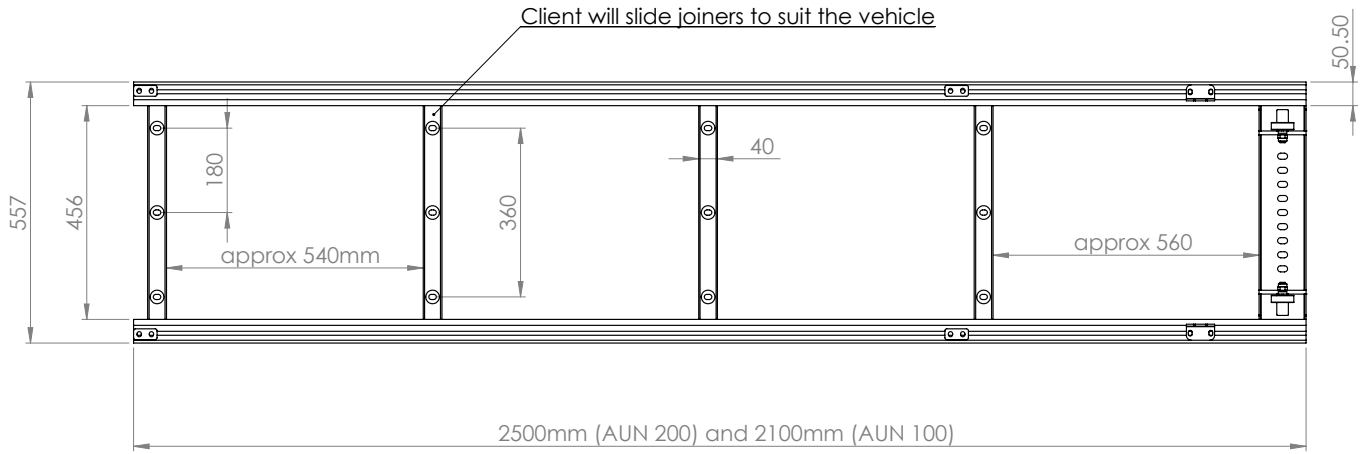


After the steel components in layers 1 - 4 have been attached to the aluminium beams, they form the base ramp and the sliding ramp.

The lift dolly and wheel chock are pre-assembled, and will need some adjustments before working properly, such as attaching the gas springs and straps.

BASE RAMP

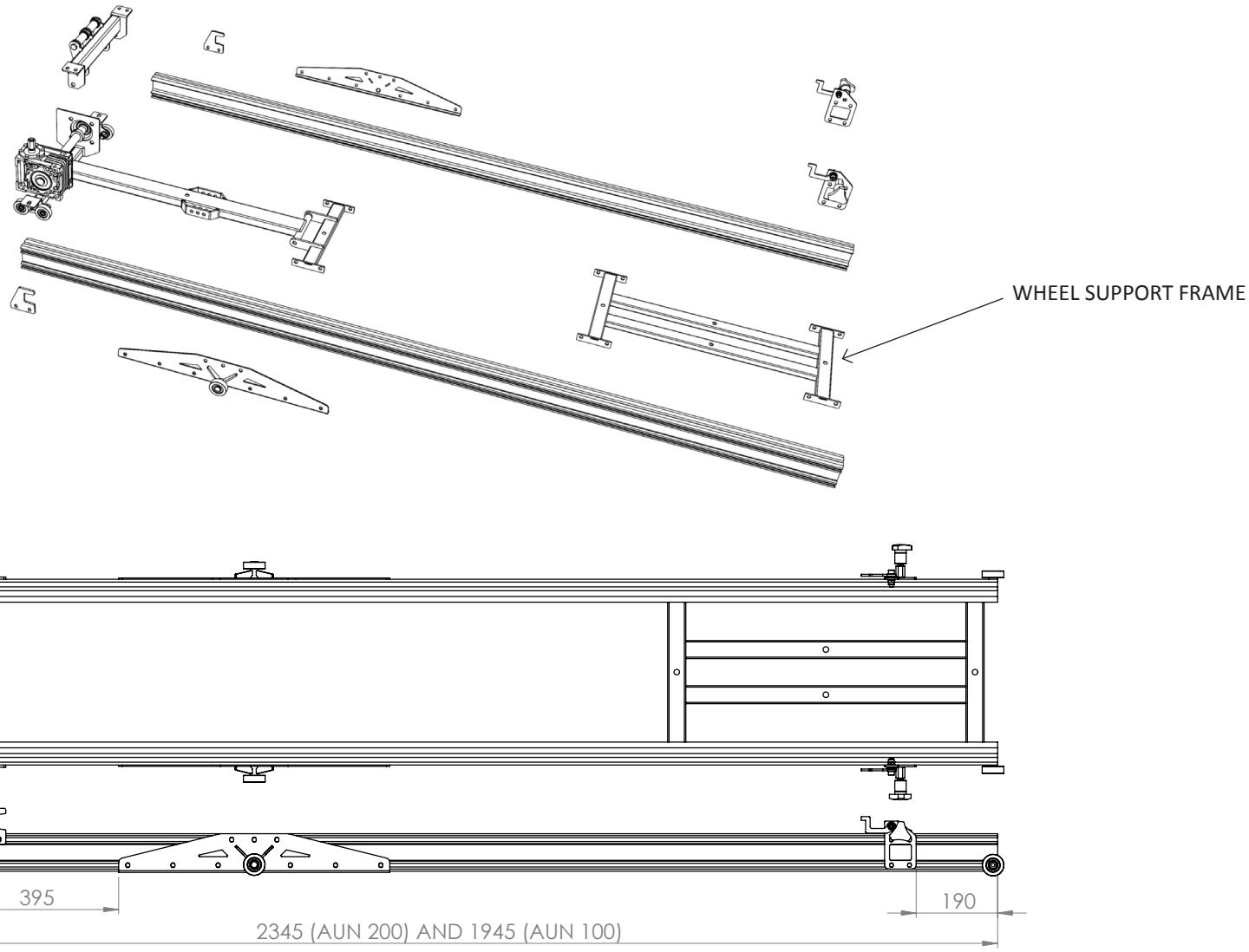




The joiners do not need to be fixed at exact positions since the clients will most likely change their positions to suit their vehicles. In most cases, approximate spacing will suffice when assembling.

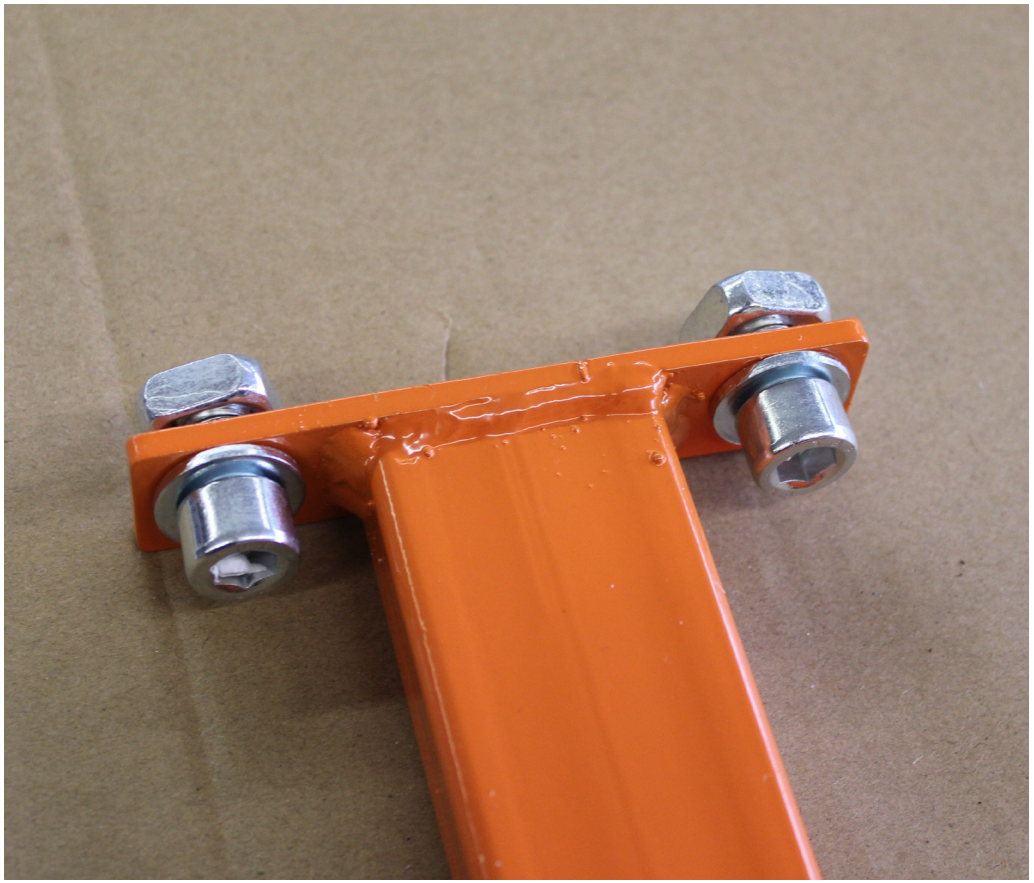
For AUN 200, use 4 pcs joiners + end roller plate. For AUN 100, three joiners and the end roller plate will suffice.

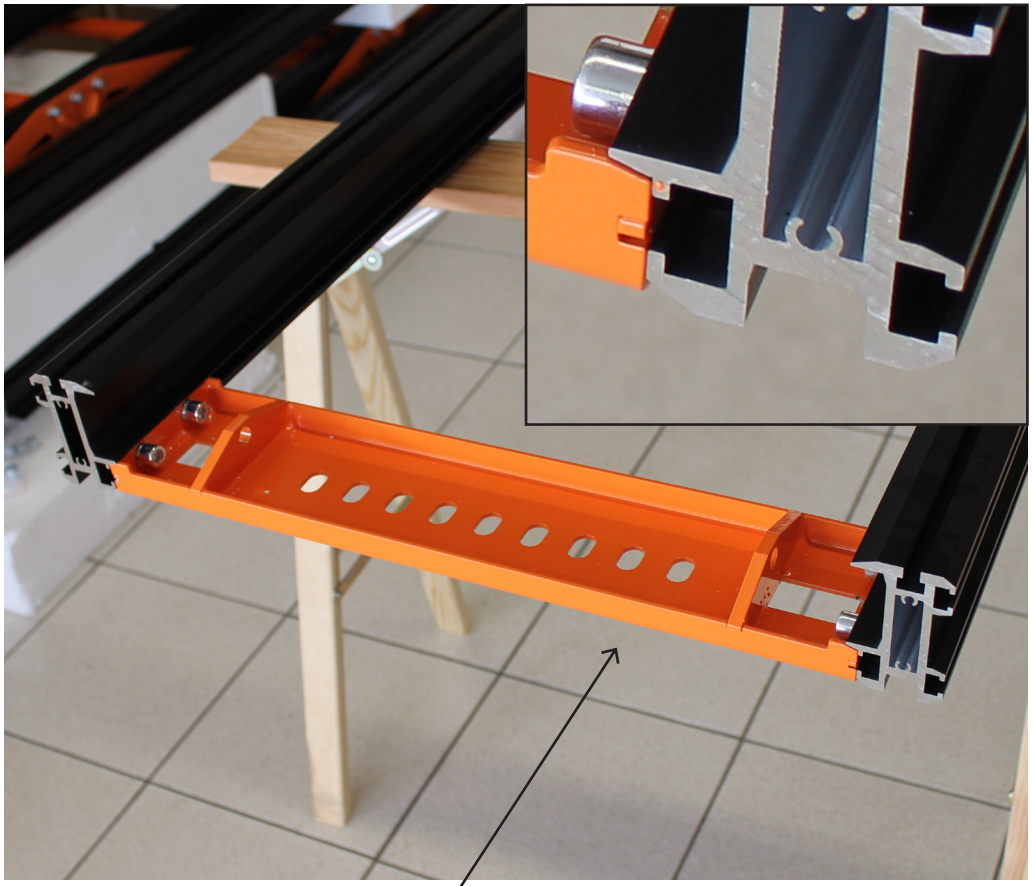
SLIDING RAMP



The sliding ramp main components already have all the bolts and rollers in place. The lift system is also fully assembled. You need to loosen the bolts a little bit, without losing the square nuts attached to them, and slide these parts through the beams then tighten the bolts.

BASE RAMP ASSEMBLY



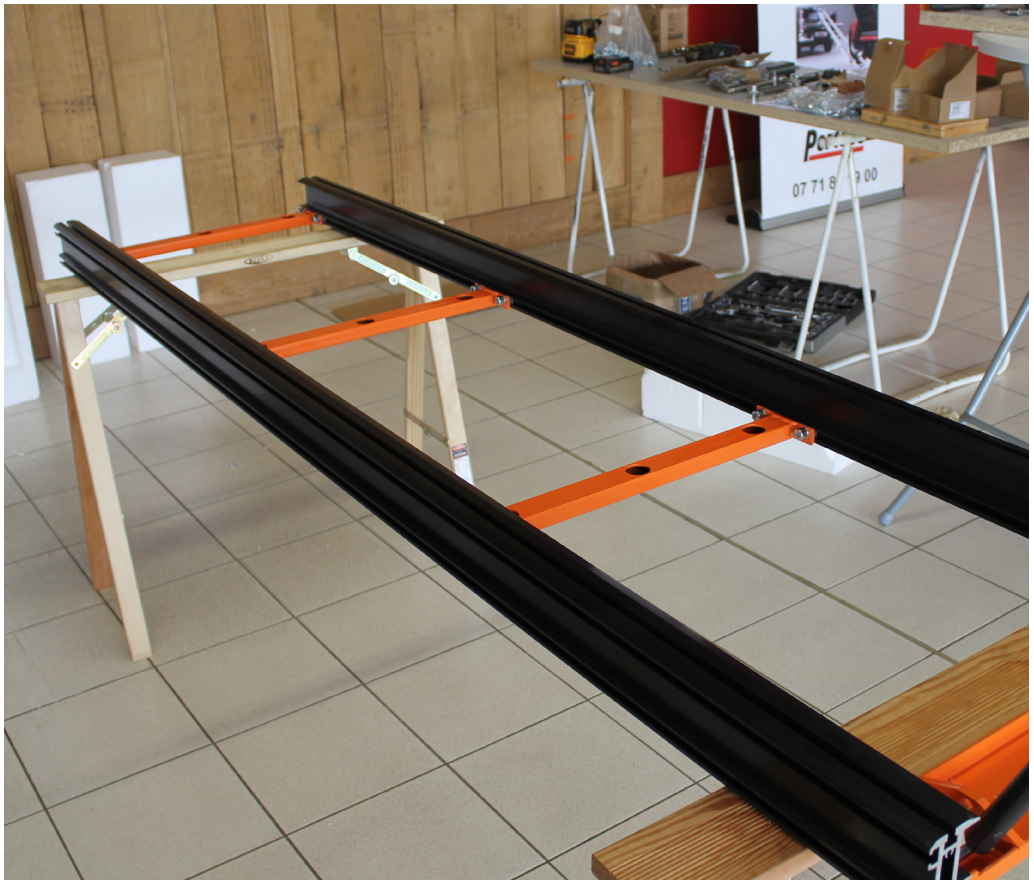


There are components that attach to the rails using M10 allen head bolts. If you ramp was delivered with spring washers for these bolts, replace them with flat washers.

Remove the rollers from the roller plate.

Slide the roller plate into the grooves at the back, flush with the beams. Finger tighten the bolts.

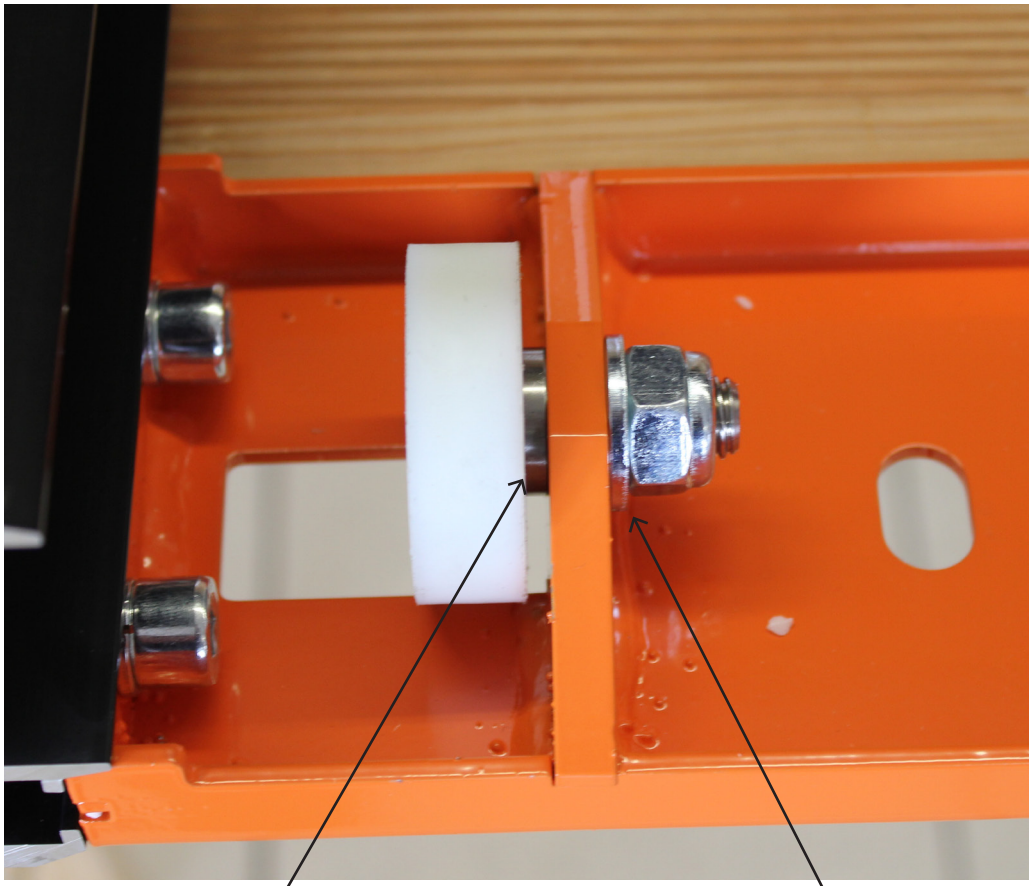
BASE RAMP ASSEMBLY



Slide the joiners one by one from the other end. Don’t forget to loosen the nuts so they can slide. Place them “by eye” at even intervals, clients will change their position anyway. The longer ramp uses four joiners, the shorter one uses three joiners.

Tighten hard all the joiner and roller plate bolts.

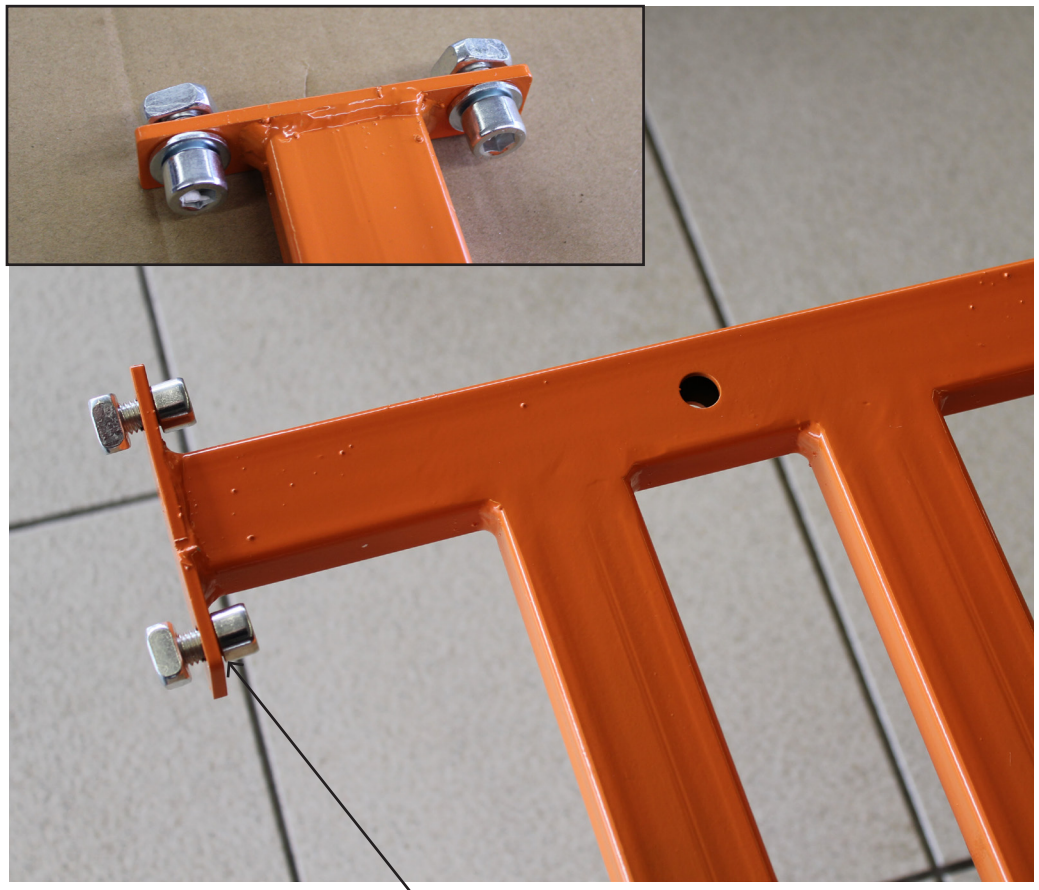
BASE RAMP ASSEMBLY



Replace the rollers on the roller plate, and use a flat washer between the bracket and the nut. There is no washer between the roller and the bracket. Tighten hard.

Done.

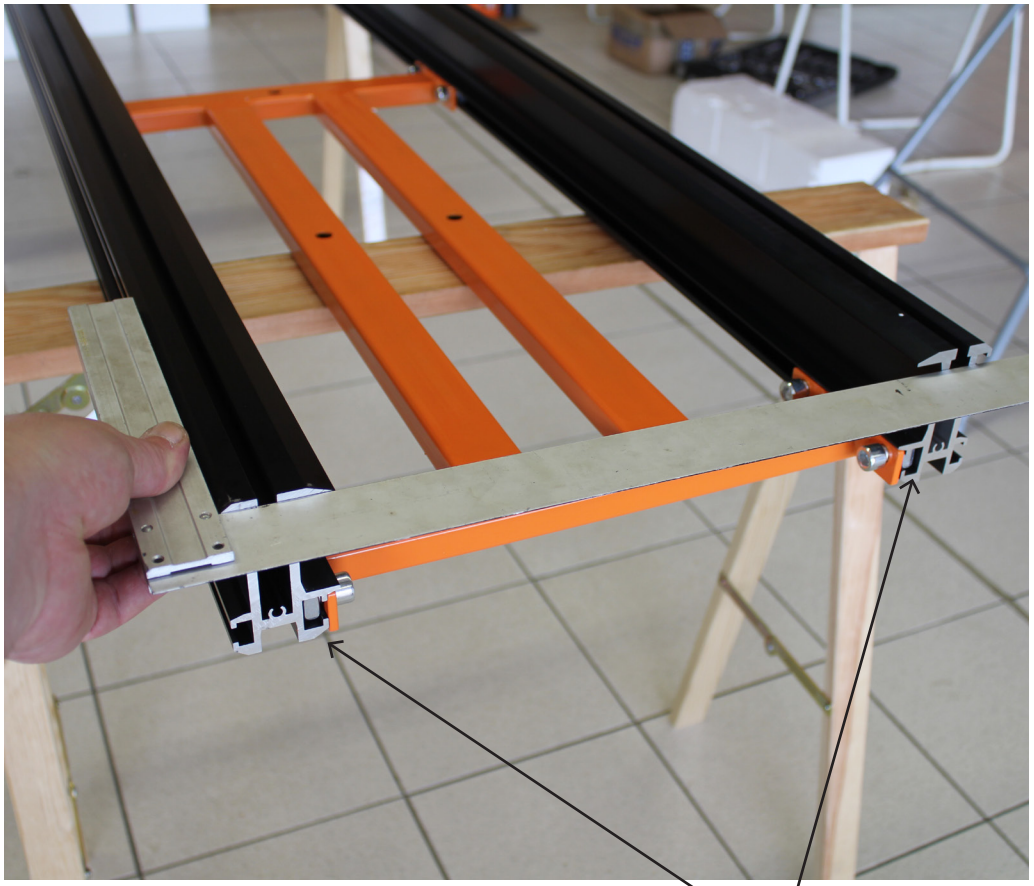
SLIDING RAMP ASSEMBLY

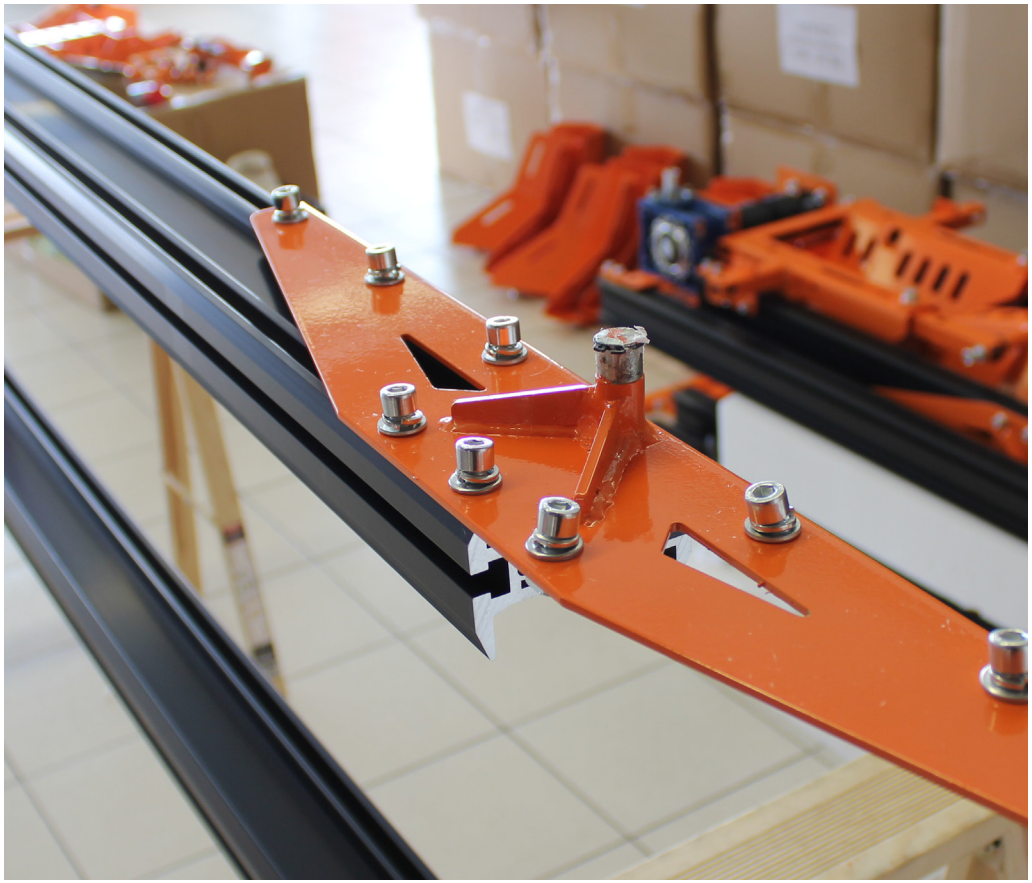


Loosen the square nuts on the wheel support frame (see page 4). If it was delivered with spring washers, replace them with flat washers.

Slide the wheel support bracket through the beam grooves. Finger tighten the bolts on the left hand side, let the other ones on the right-hand side loose.

SLIDING RAMP ASSEMBLY





Make sure the beams are squared, then finger tighten hard all bolts.

Loosen the M8 bolts on the pivot brackets, and slide it through the grooves in the beam, at the opposite end from the wheel support bracket. Make sure the roller sits downwards, at the same level as the wheel support bracket. Note - the bolts have both spring washers and flat washers, keep them like that.

SLIDING RAMP ASSEMBLY

Slide the roller brackets to 395mm (see page 4) from the front end of the beam, on both sides.

Make sure the steel lip sits against the edge of the aluminium beam, and tighten all bolts. If the ramp was delivered with Grower-type spring washers, it helps to squash these spring washers with a pair of pliers before sliding the bracket through the beams.

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SLIDING RAMP ASSEMBLY

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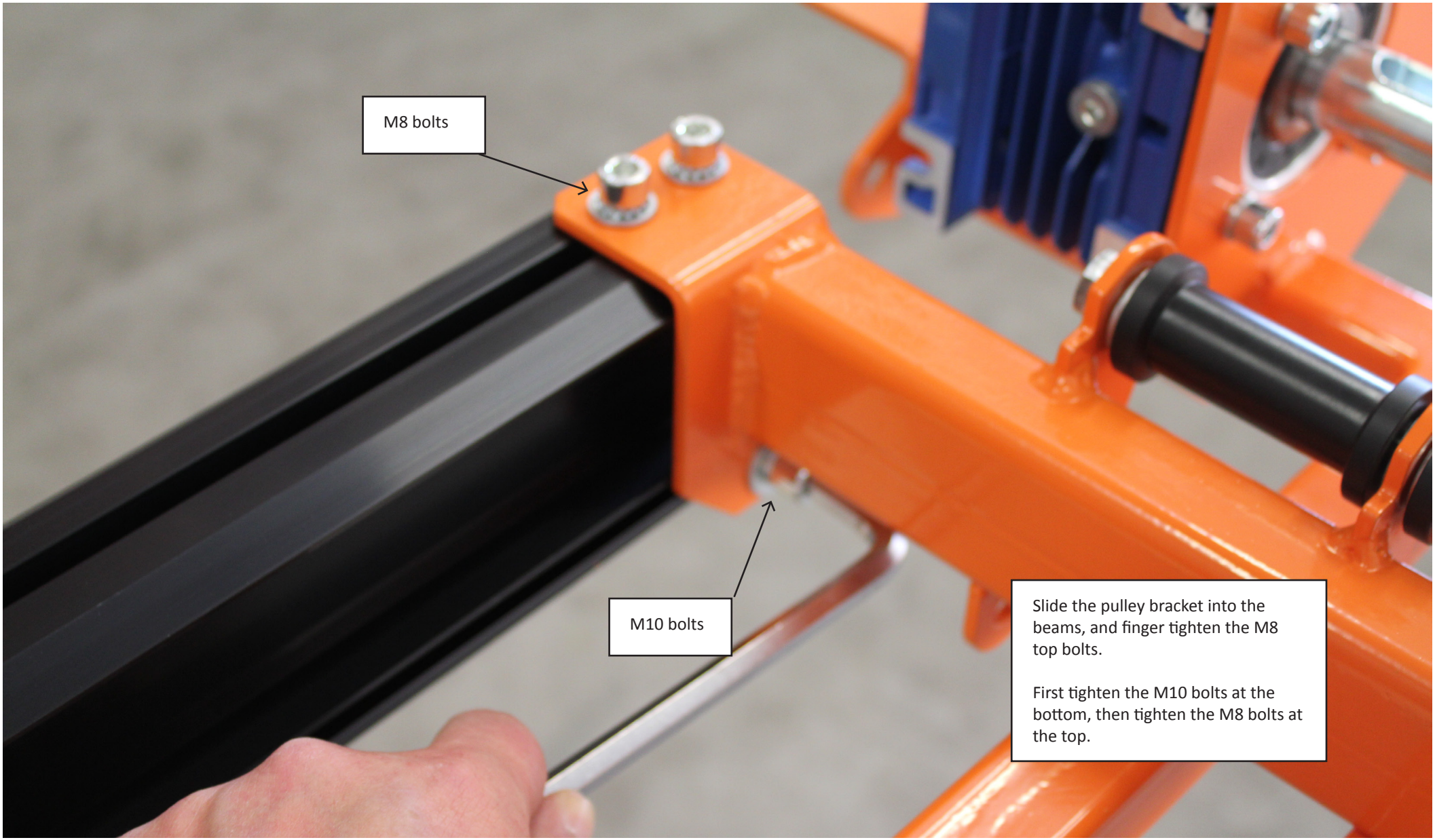

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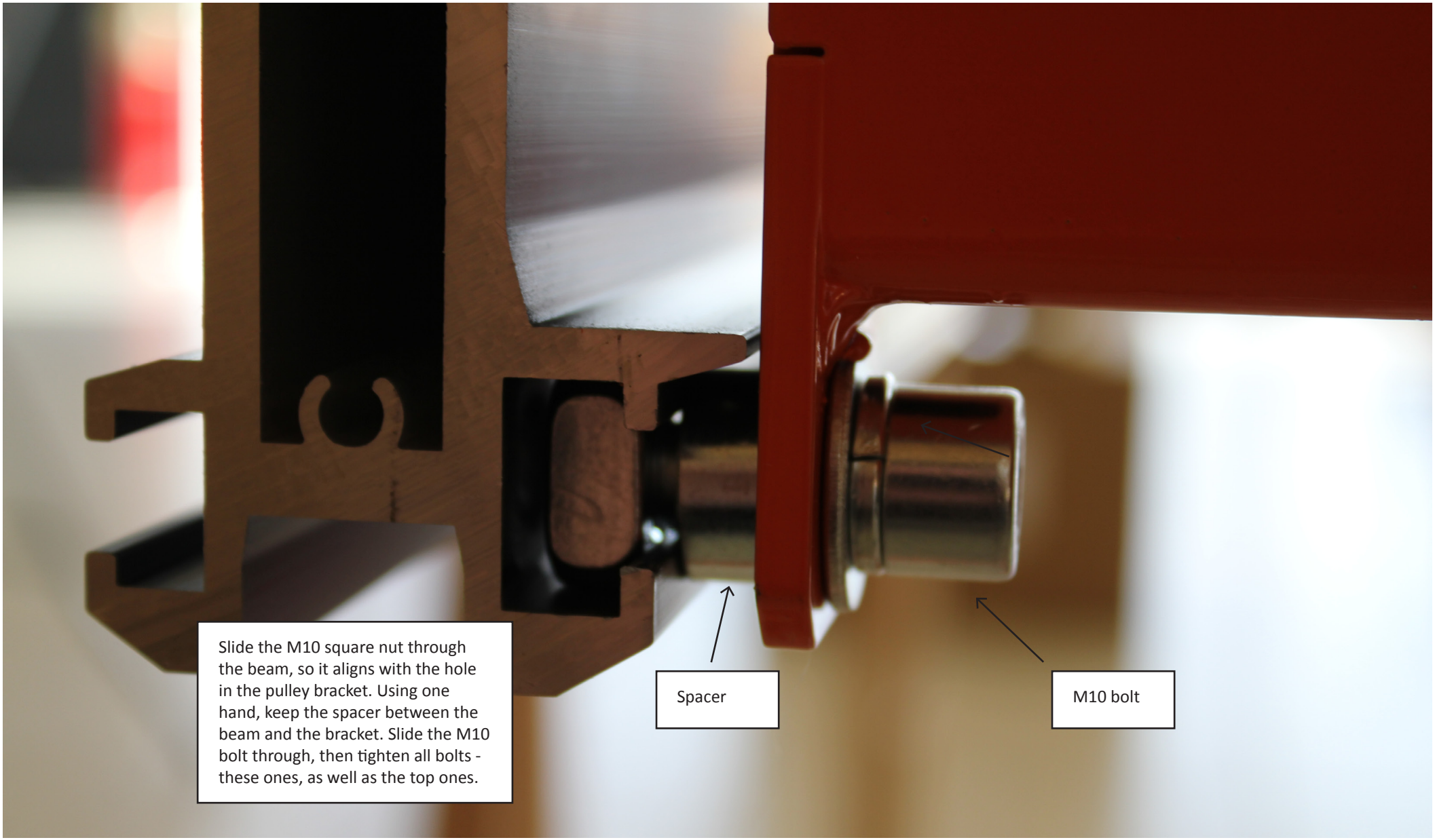

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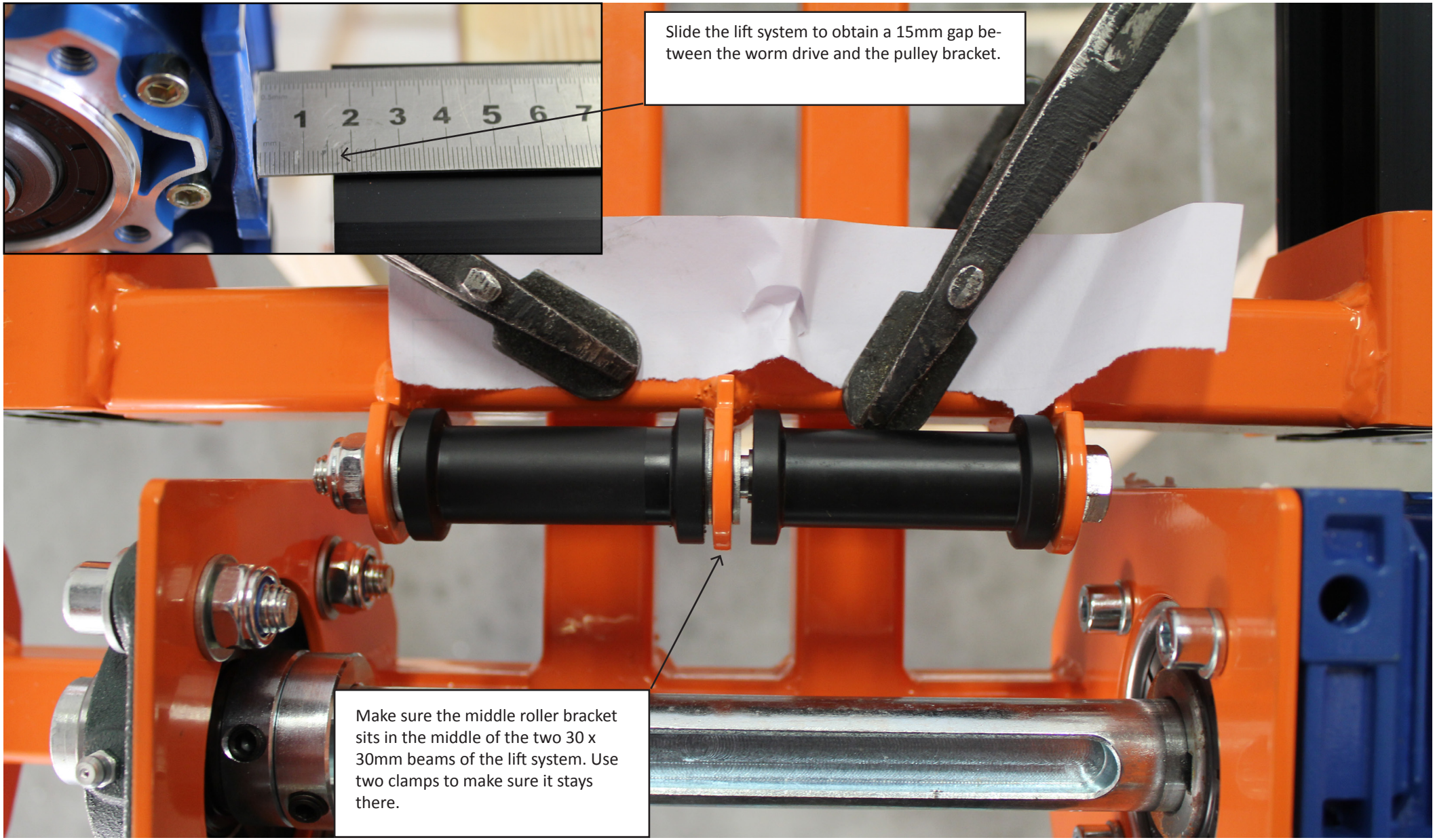

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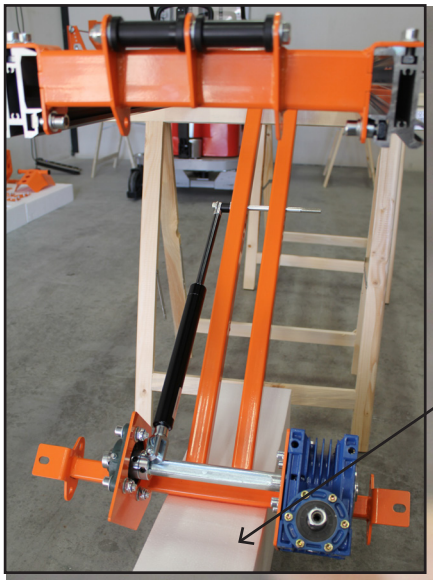
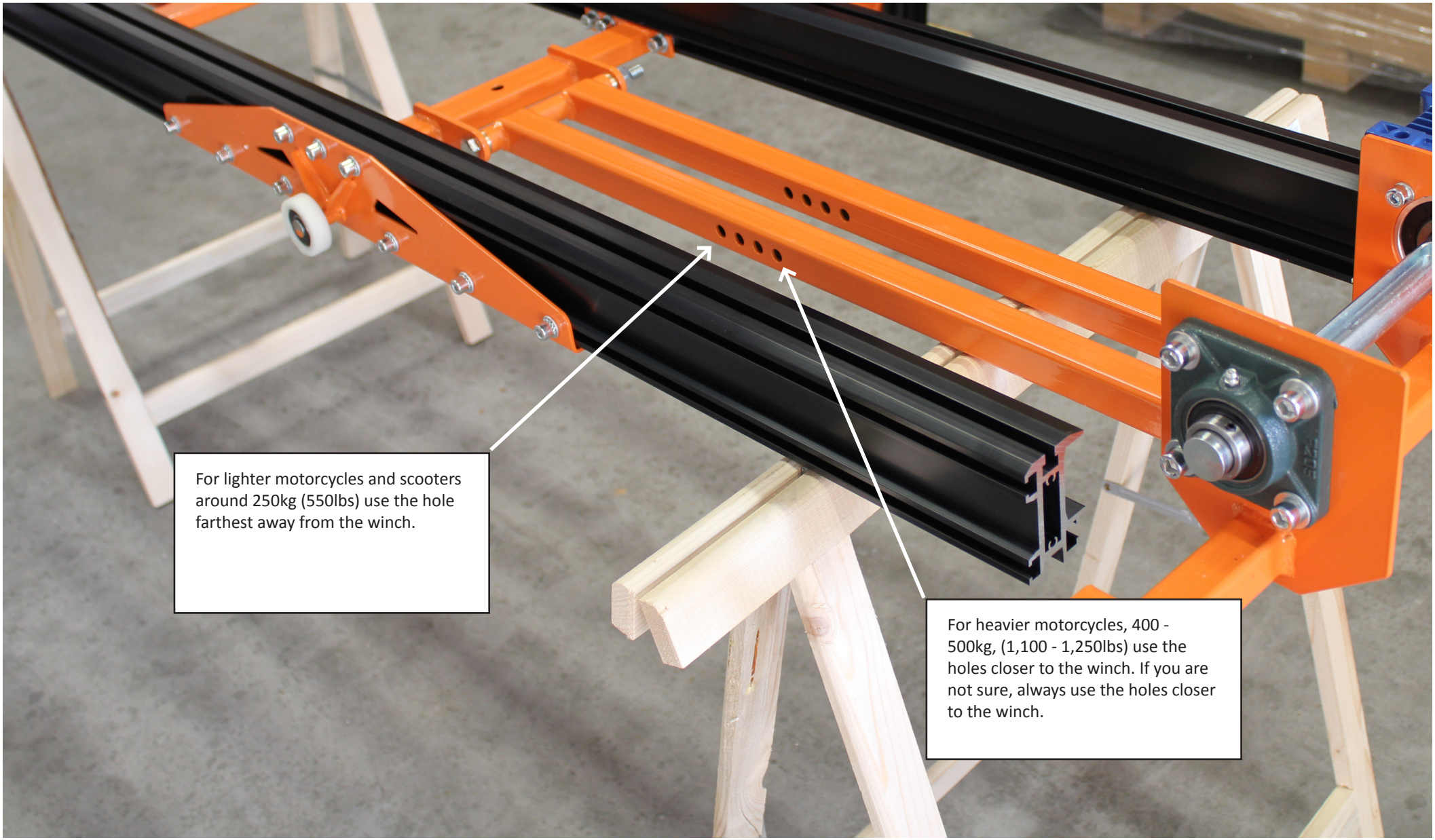


Lower the lift system on a foam block, then attach the gas spring pistons to the 30 x 30mm bars.

See next page to decide what holes to use for the gas springs.

SLIDING RAMP ASSEMBLY



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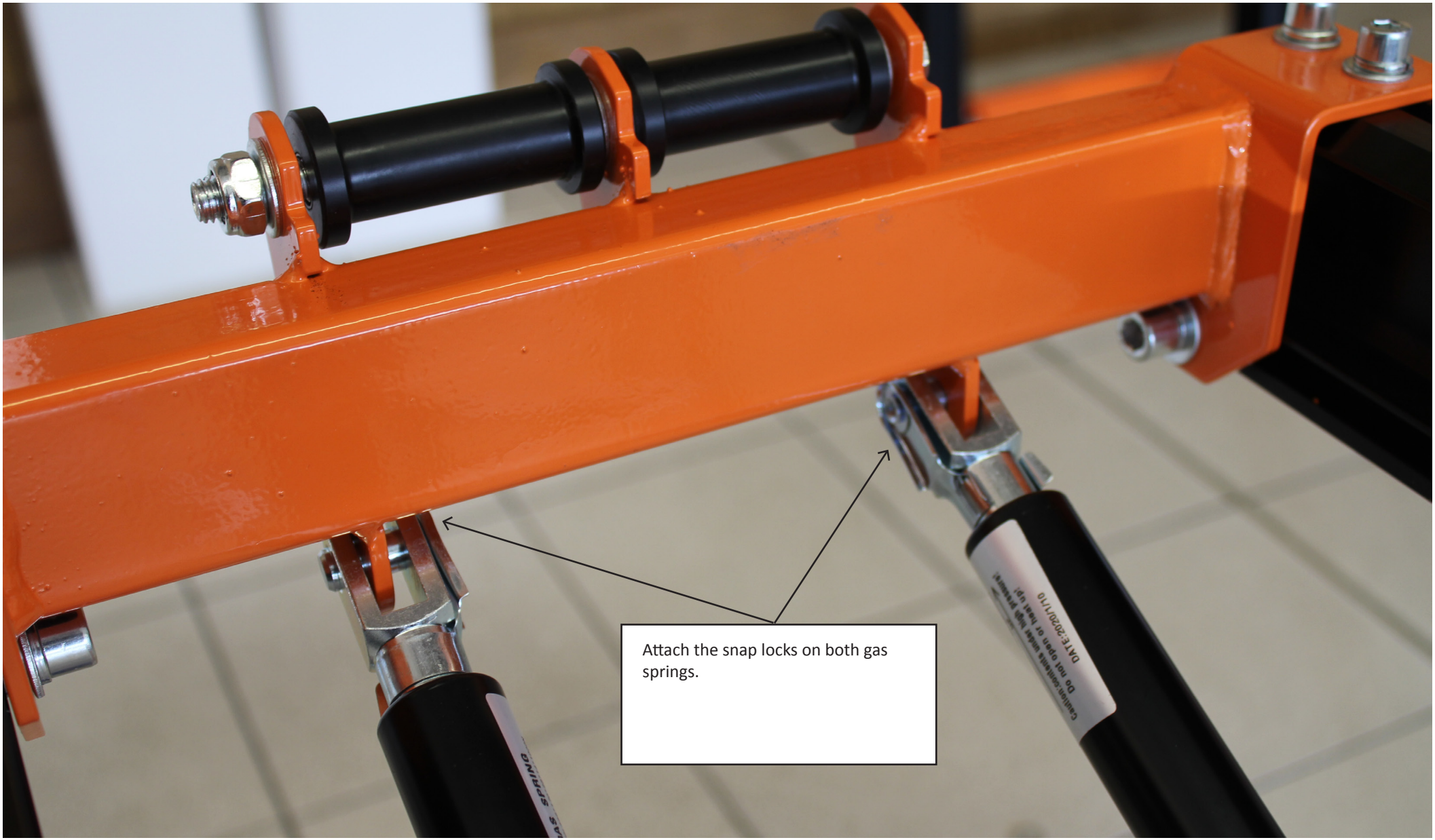
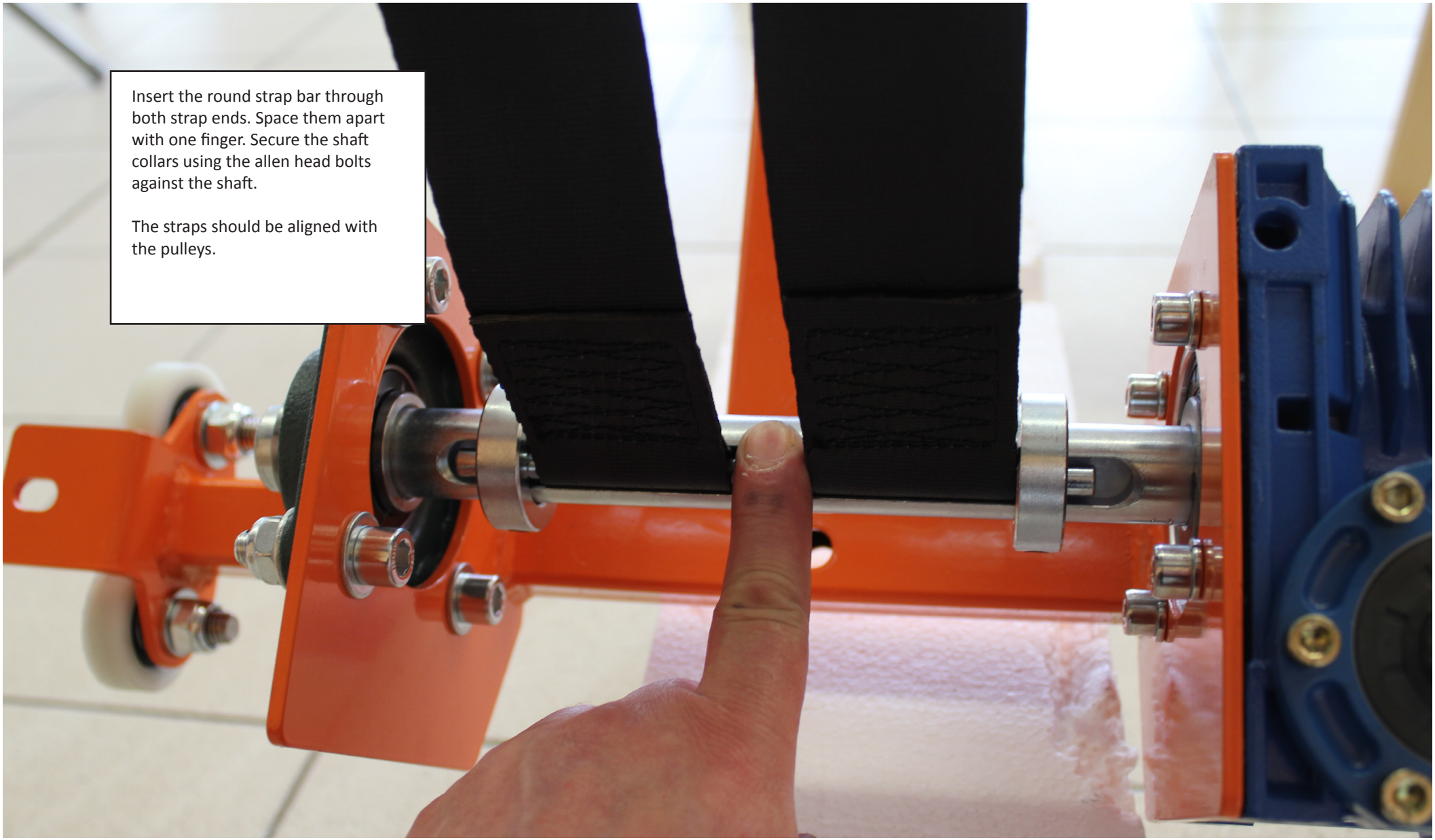
SLIDING RAMP ASSEMBLY



SLIDING RAMP ASSEMBLY

Slide the straps through the wheel chock front bar. Insert the strap plate horizontally. Turn the straps with the sewn ends upwards (picture to the right).

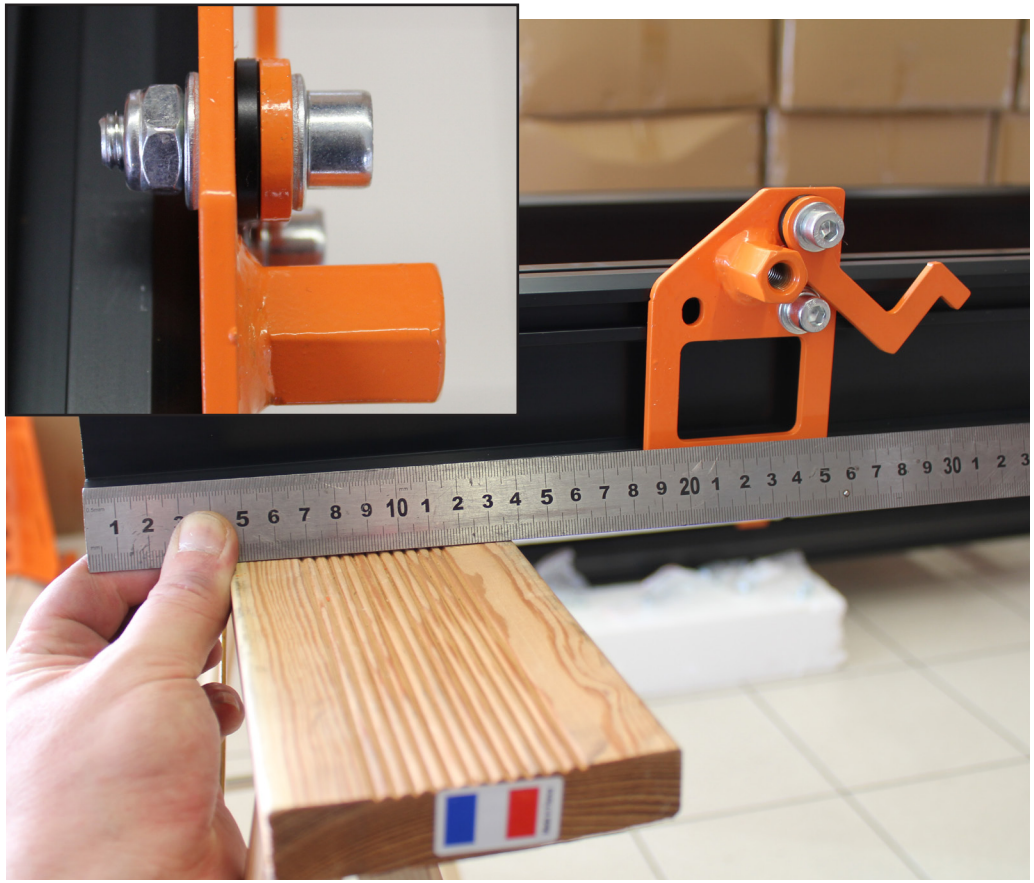
SLIDING RAMP ASSEMBLY



SLIDING RAMP ASSEMBLY

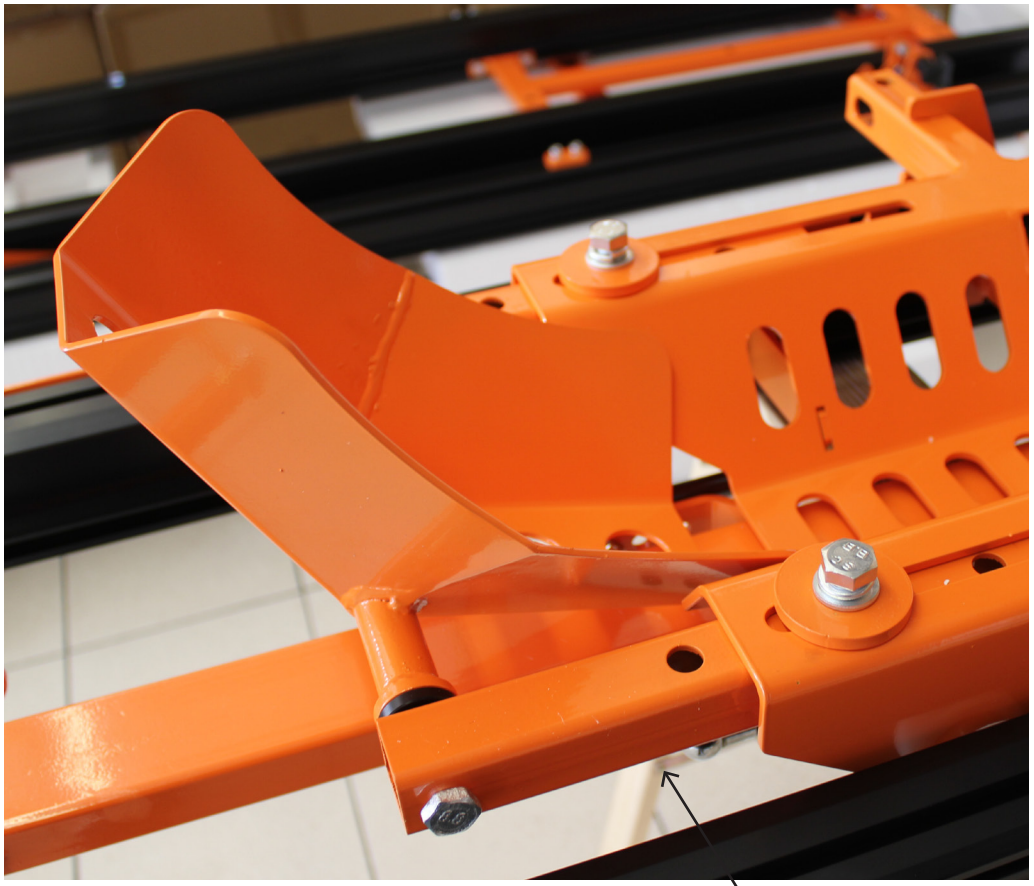
SLIDING RAMP ASSEMBLY

Loosen the bolts on the slider brackets, adjust the bracket so it sits against the wheel chock bars, and tighten the bolts (both sides).

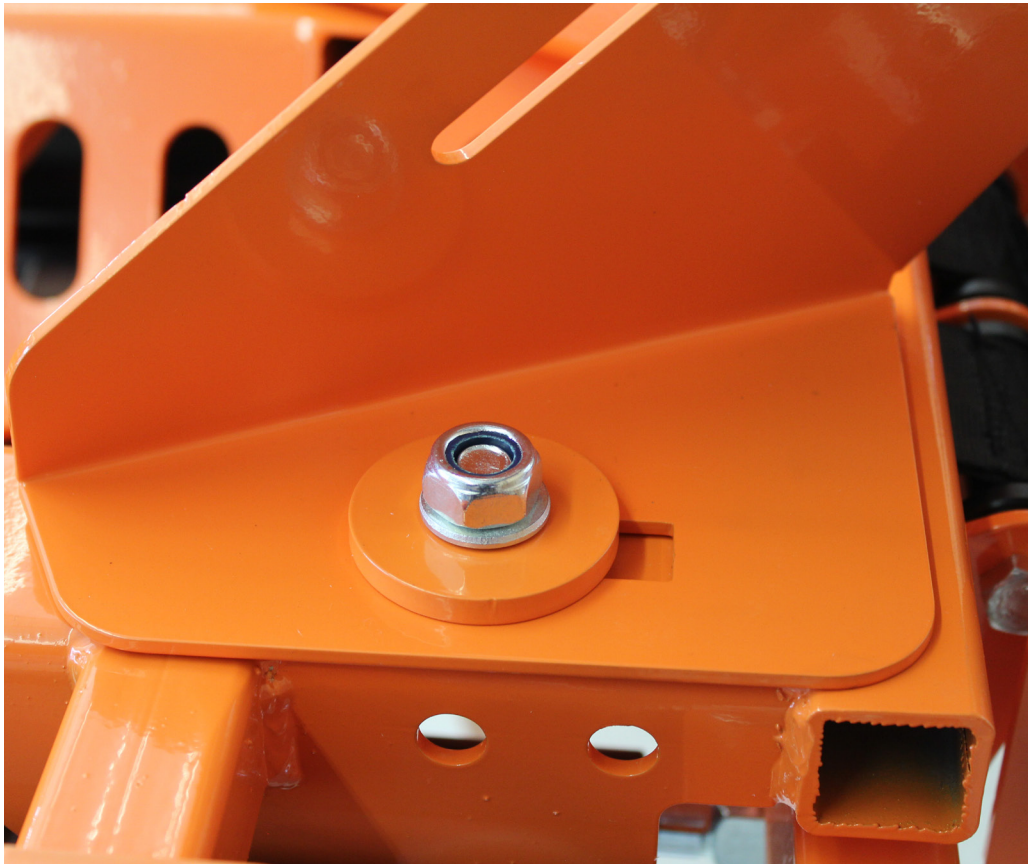


Loosen the bolts on the rear stoppers, and place them 120mm from the rear (you can adjust this later). Tighten the bolts. Observe the correct way of mounting the swing lever - two flat washers on either side, and the plastic washer in the middle. Tighten the swing lever bolt so that it can be rotated by hand. It needs some friction, so it stays where it is.

SLIDING RAMP ASSEMBLY

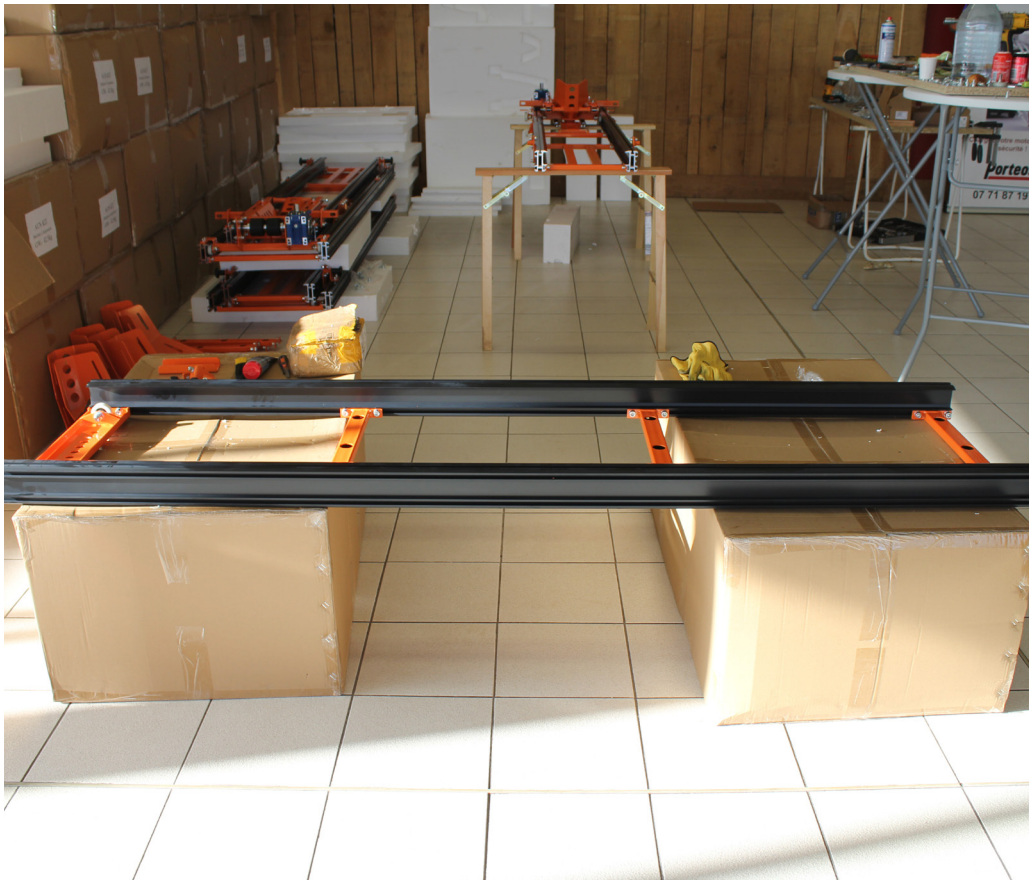


Attach the two flipper arms, then the flipper. The long bolt running through the flipper should be tightened hard.



Attach the wheel holder.

SLIDING RAMP ASSEMBLY



Place the base ramp at around 50cm height.

Place the sliding ramp with the two rollers inside the beams of the base ramp. Push it to horizontal, and slide the sliding ramp through the base ramp. Have a look at the back, to check if the base ramp rollers track correctly, into the groove of the sliding ramp.

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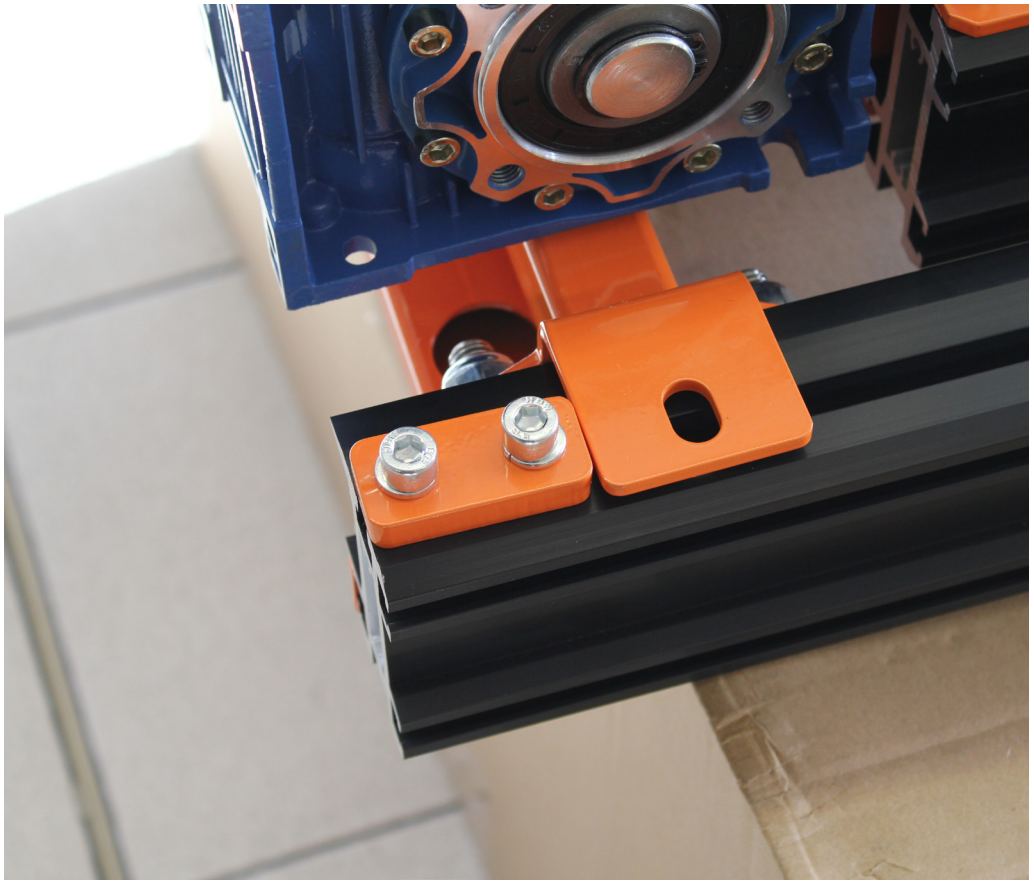
SLIDING RAMP ASSEMBLY

Assembled ramp.

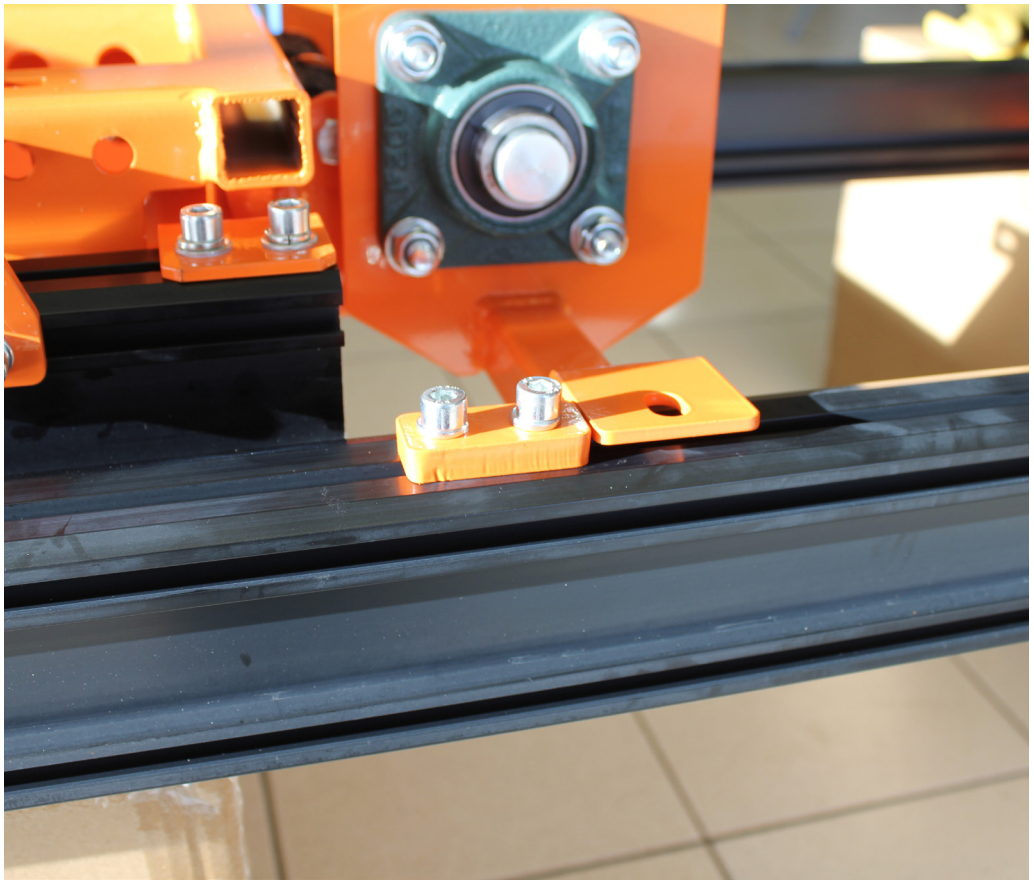
SLIDING RAMP ASSEMBLY



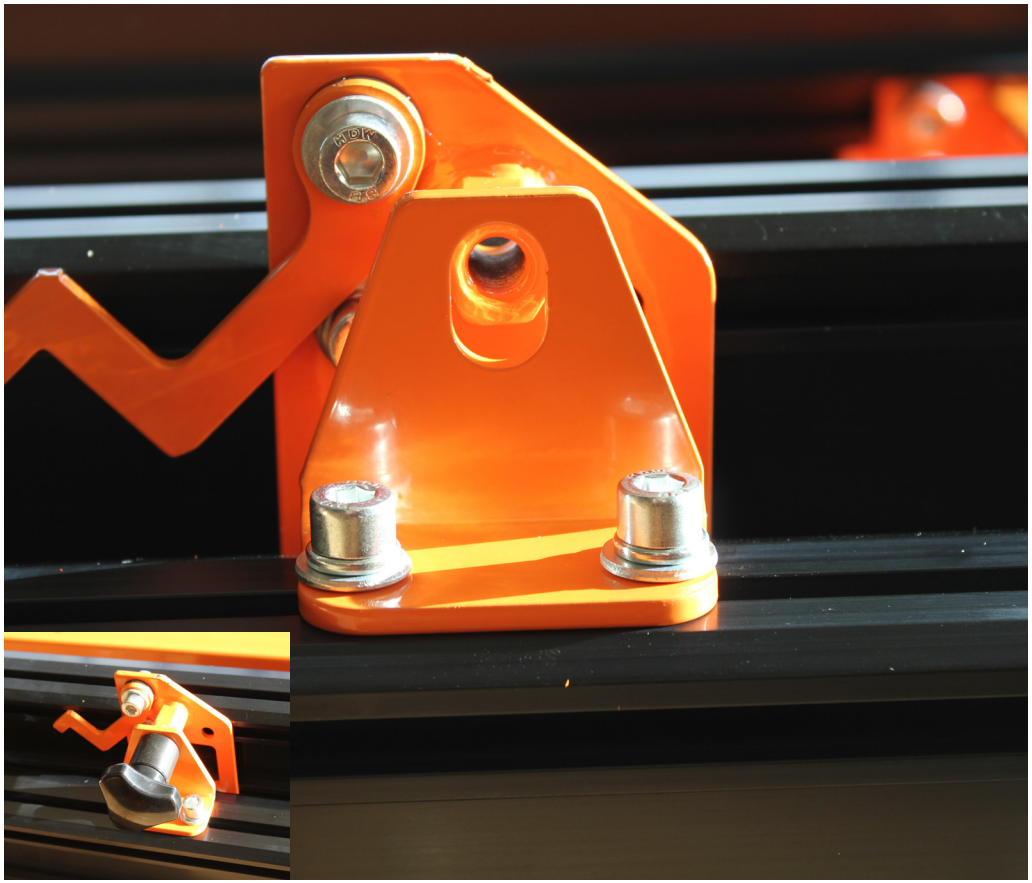
Secure the front stoppers - tighten hard.

Slide the sliding ramp backwards until the edge of the steel roller pivot pin shows. Hold it there while securing the rear stoppers (next page).

SLIDING RAMP ASSEMBLY

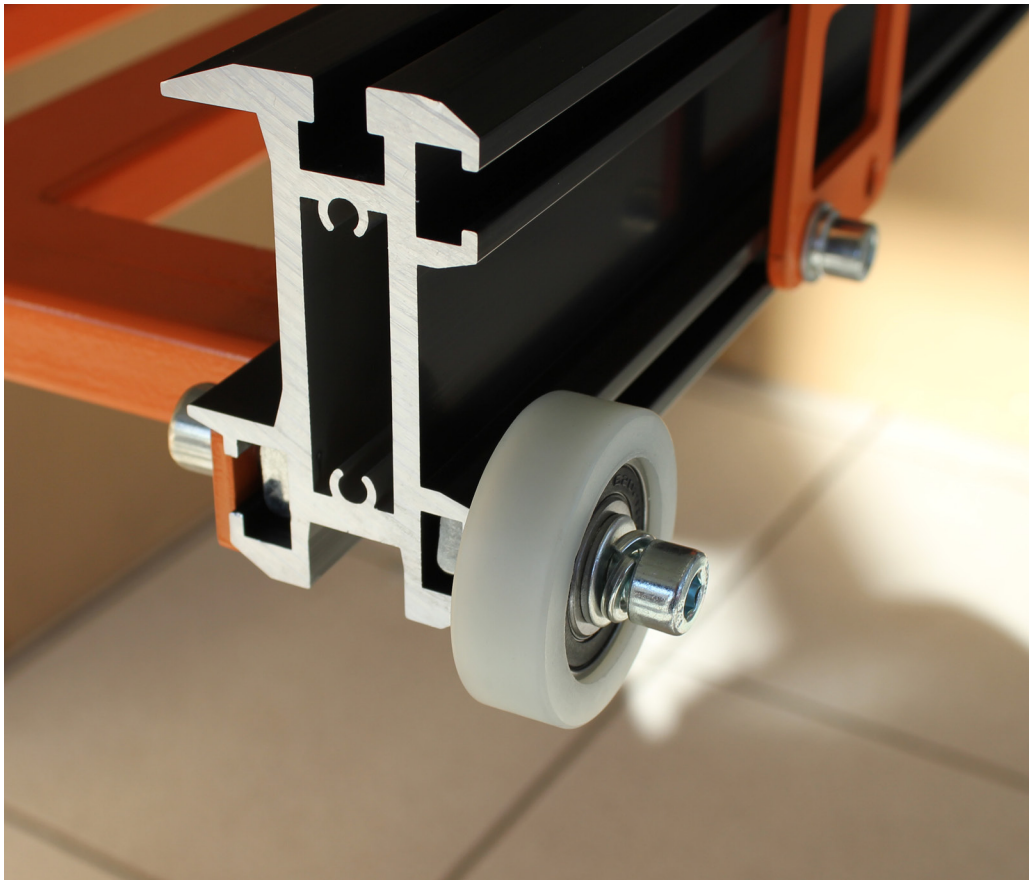


Secure the rear stoppers - tighten hard. Make sure the rollers cannot slide out. Only the edge of the steel roller axle should be visible.



Align the safety brackets with the nut in the lever brackets, and tighten the bolts. Secure the locking knob and repeat on the other side.

SLIDING RAMP ASSEMBLY



Slide the rear rollers with the square nuts through the grooves and tighten the bolts.

Run the ramp a few times to make sure it works properly.