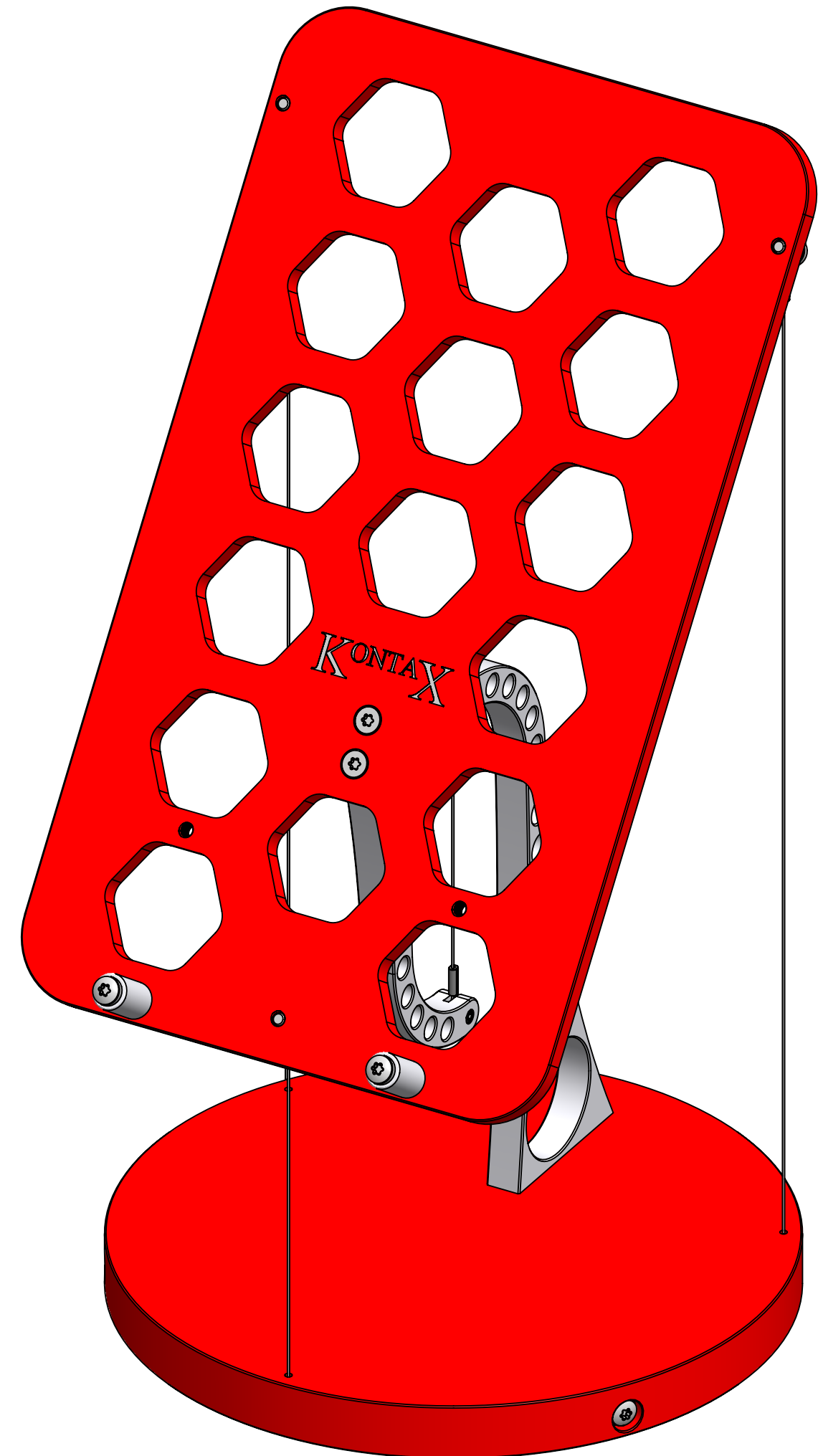
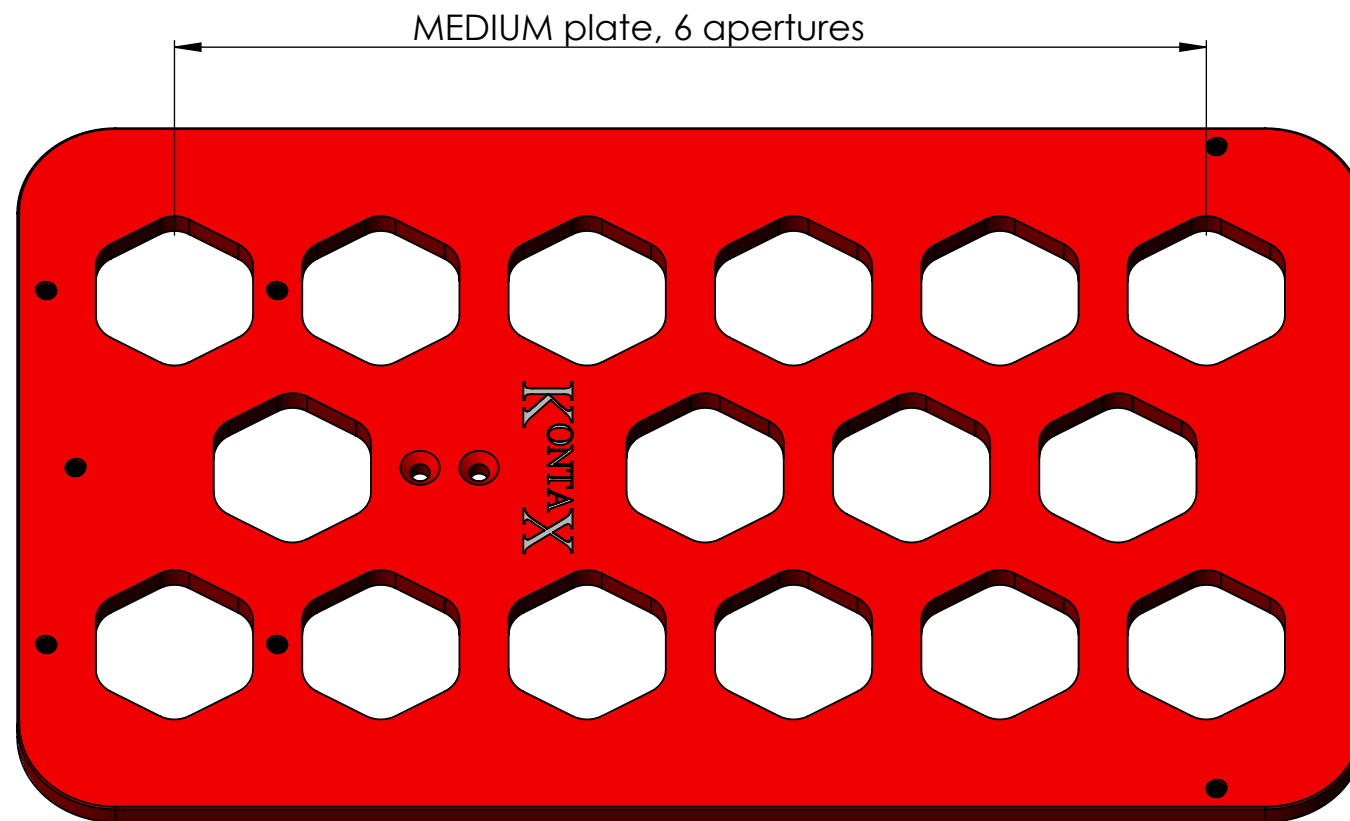


Tensegrity phone stand assembly instructions

Please read all the way through the assembly instructions to familiarise yourself with the process before you start and pay close attention to the alignment of all the parts in the diagrams.

Assembly time should be approximately 15-20 minutes.



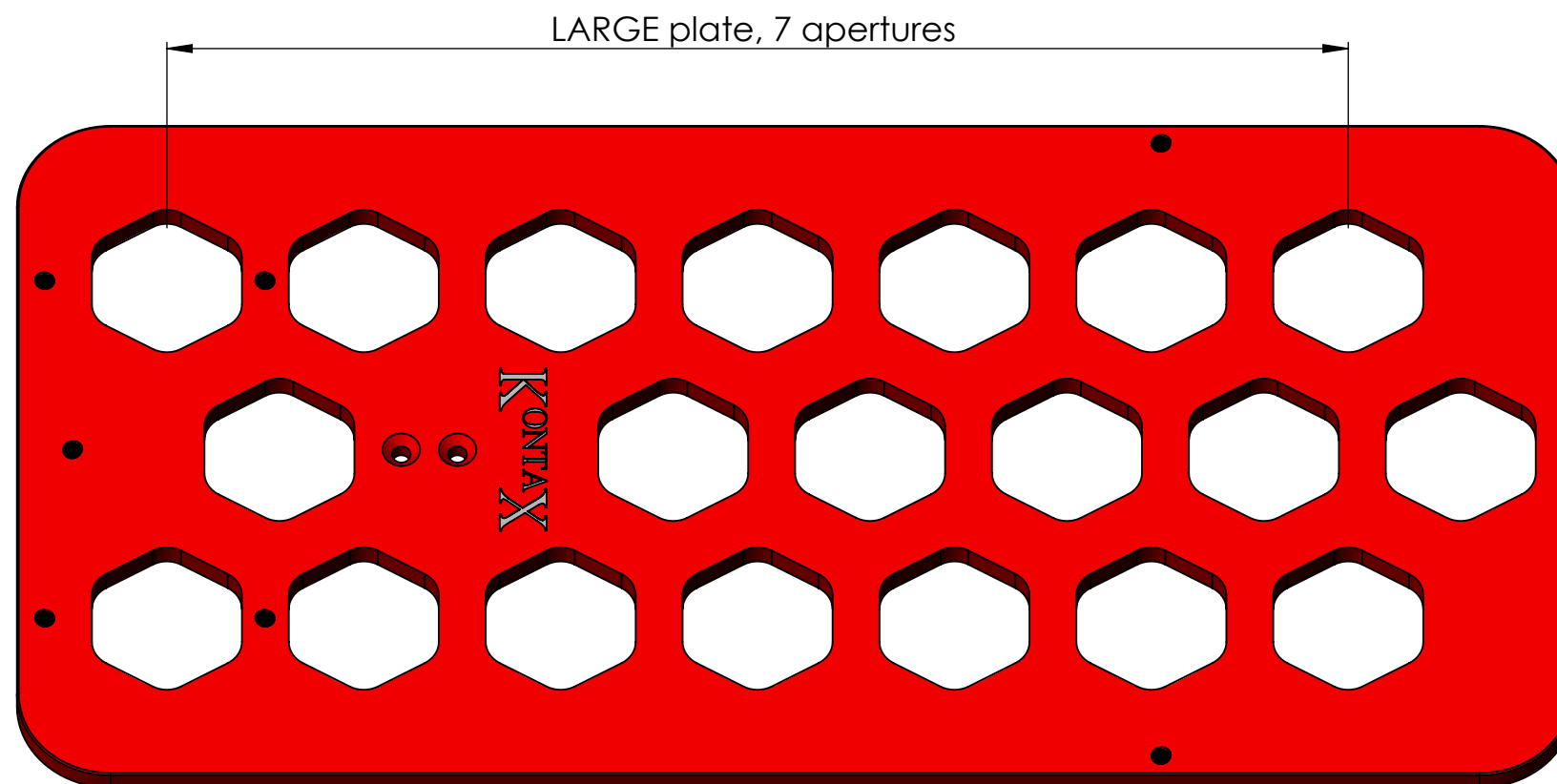


Note: The Tensegrity phone stand has 2 size variations, medium and large.

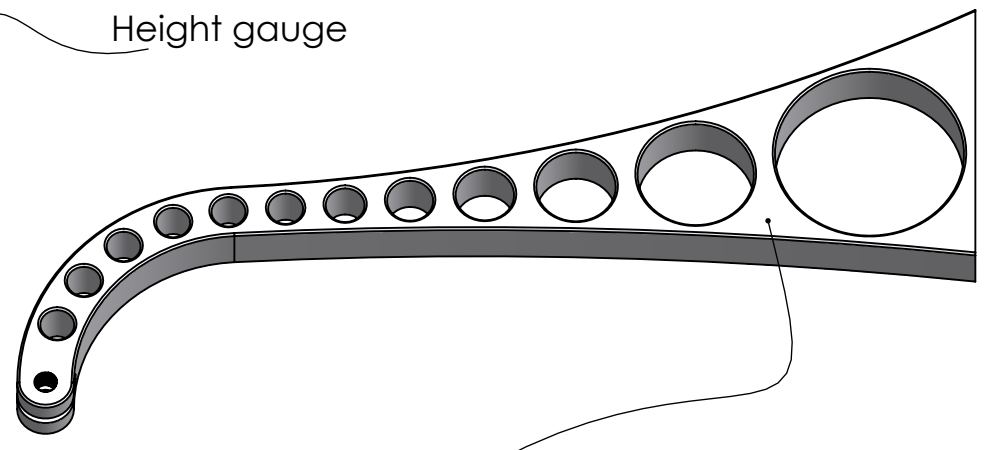
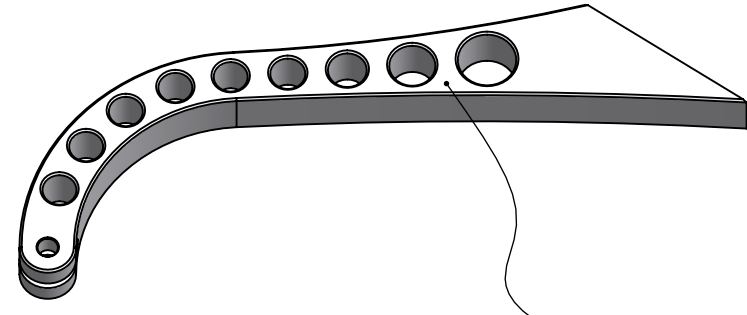
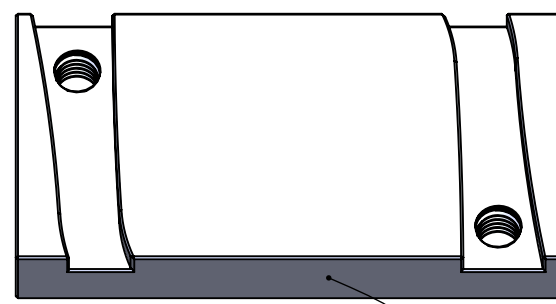
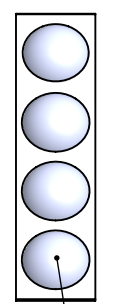
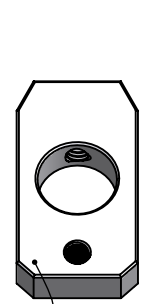
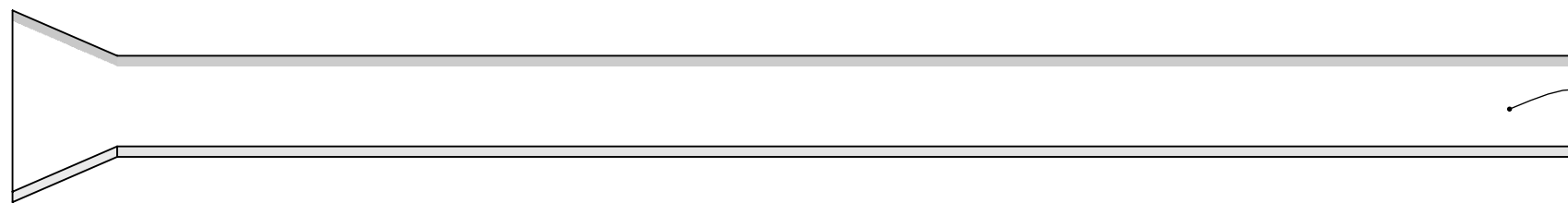
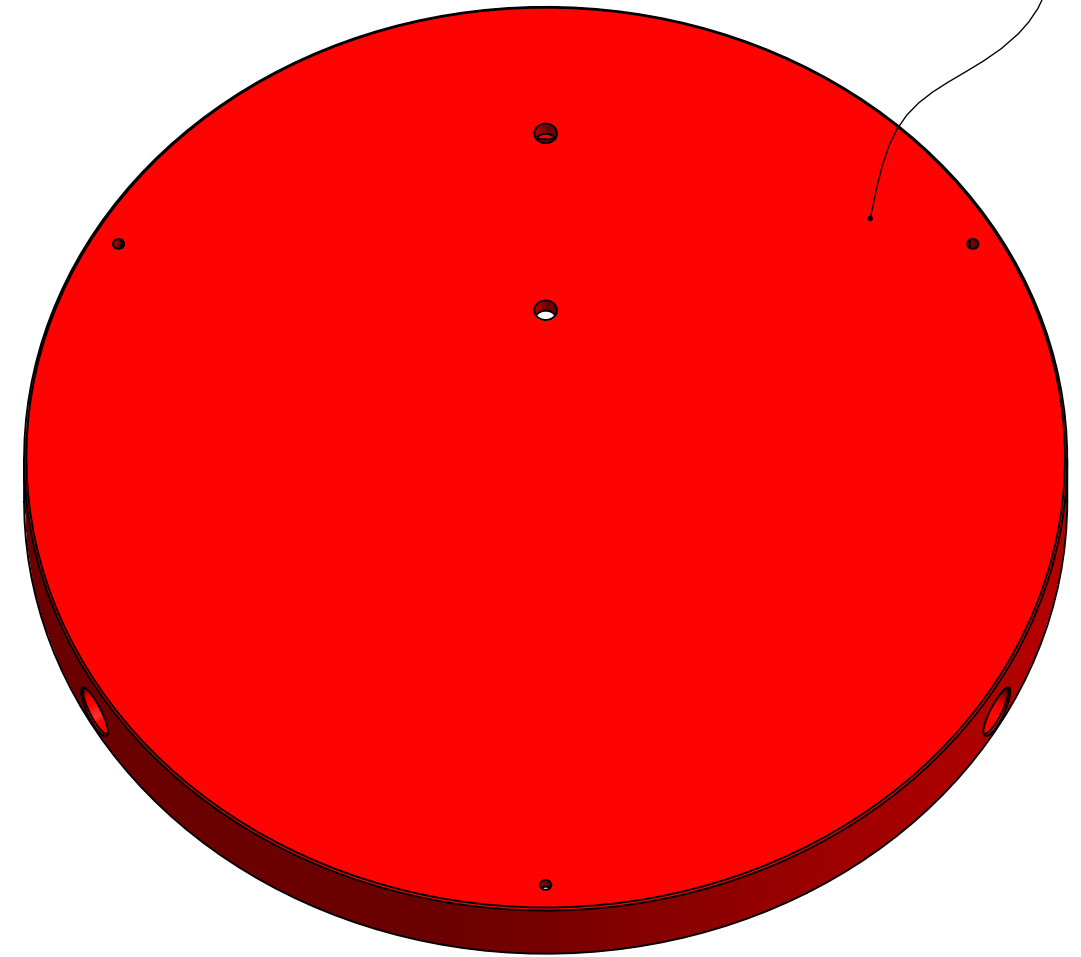
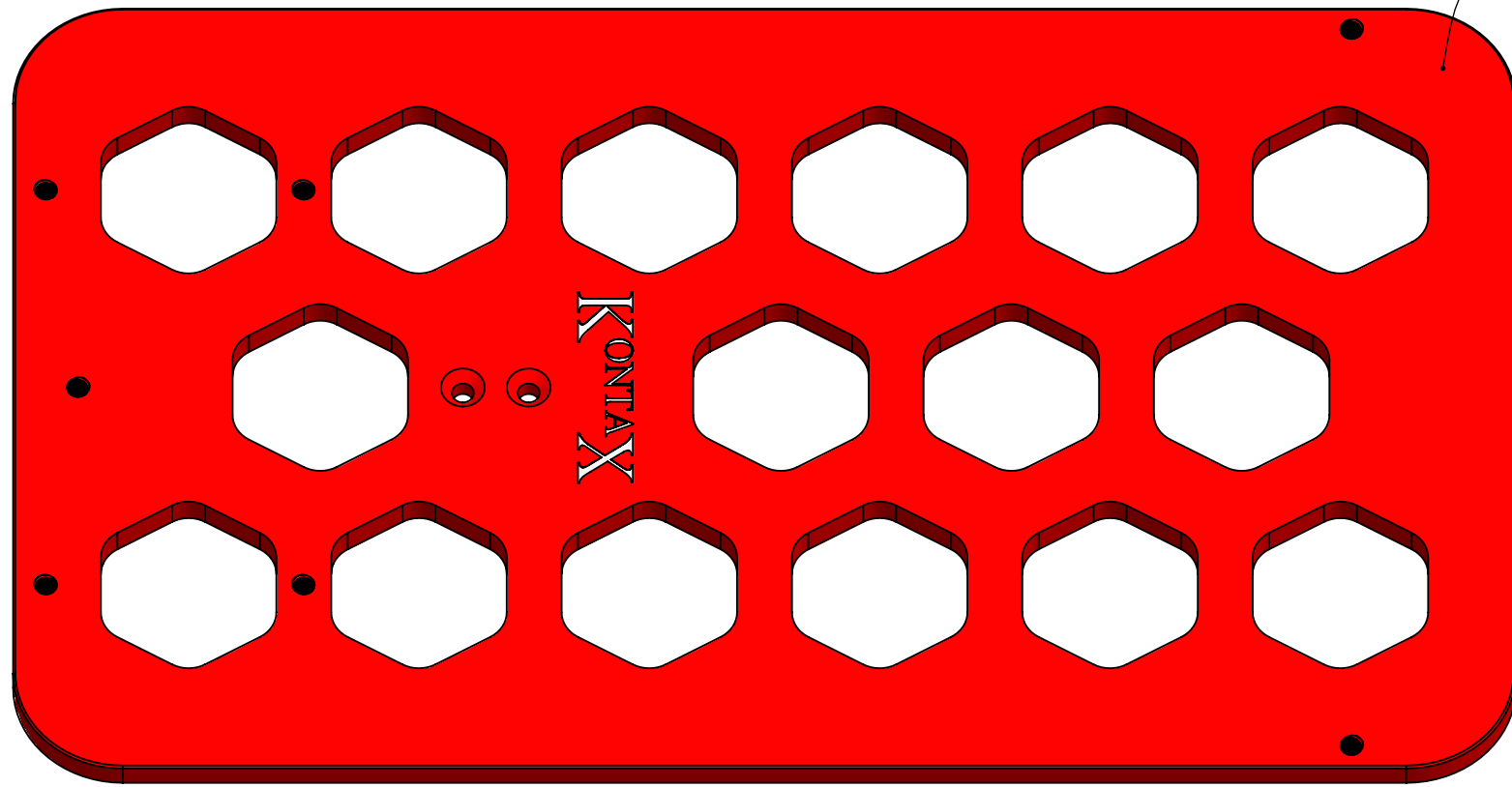
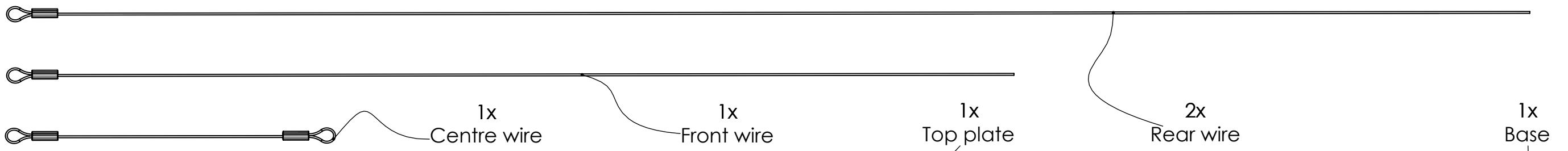
The MEDIUM version has 6 apertures as shown.

The LARGE version has 7 apertures as shown.

Unless otherwise stated, the MEDIUM version will be shown in these assembly instructions.



Parts 1



Shuttle
3x

Rubber feet
4x

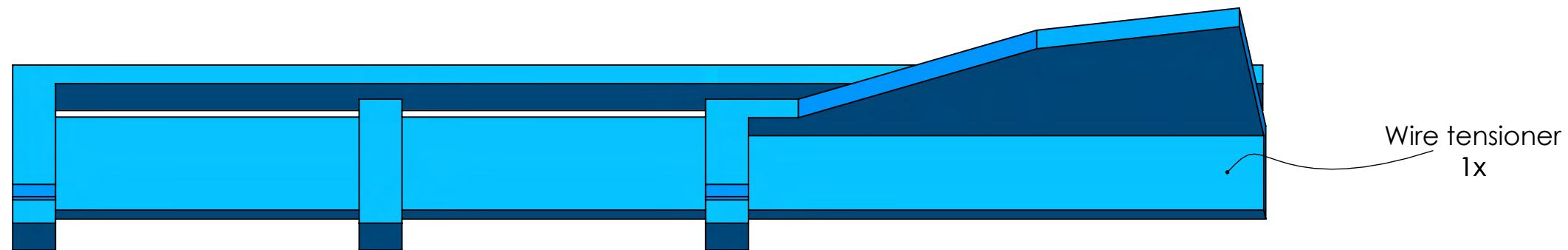
Assembly plate (colour may vary)
1x

Top Arm
1x

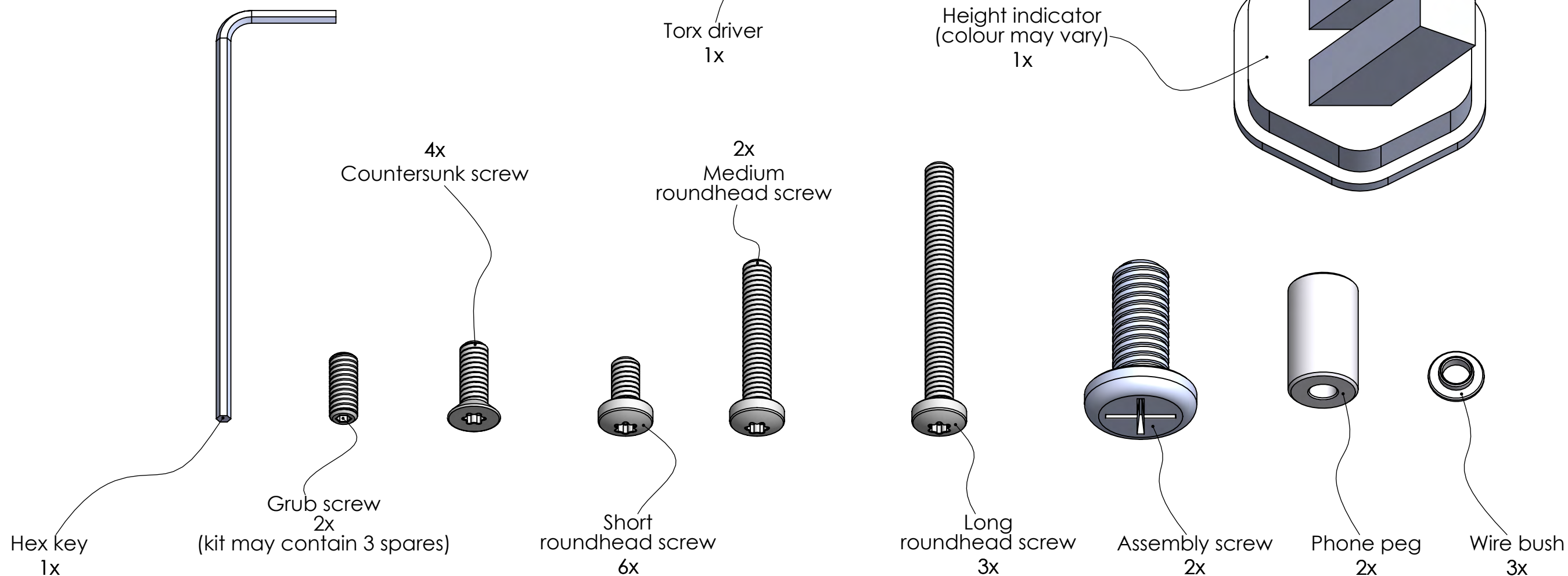
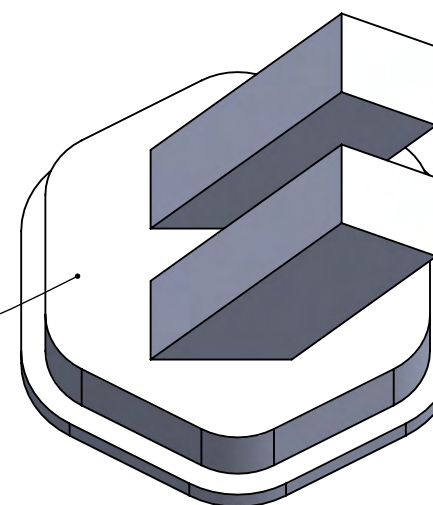
Bottom Arm
1x

1x
Height gauge

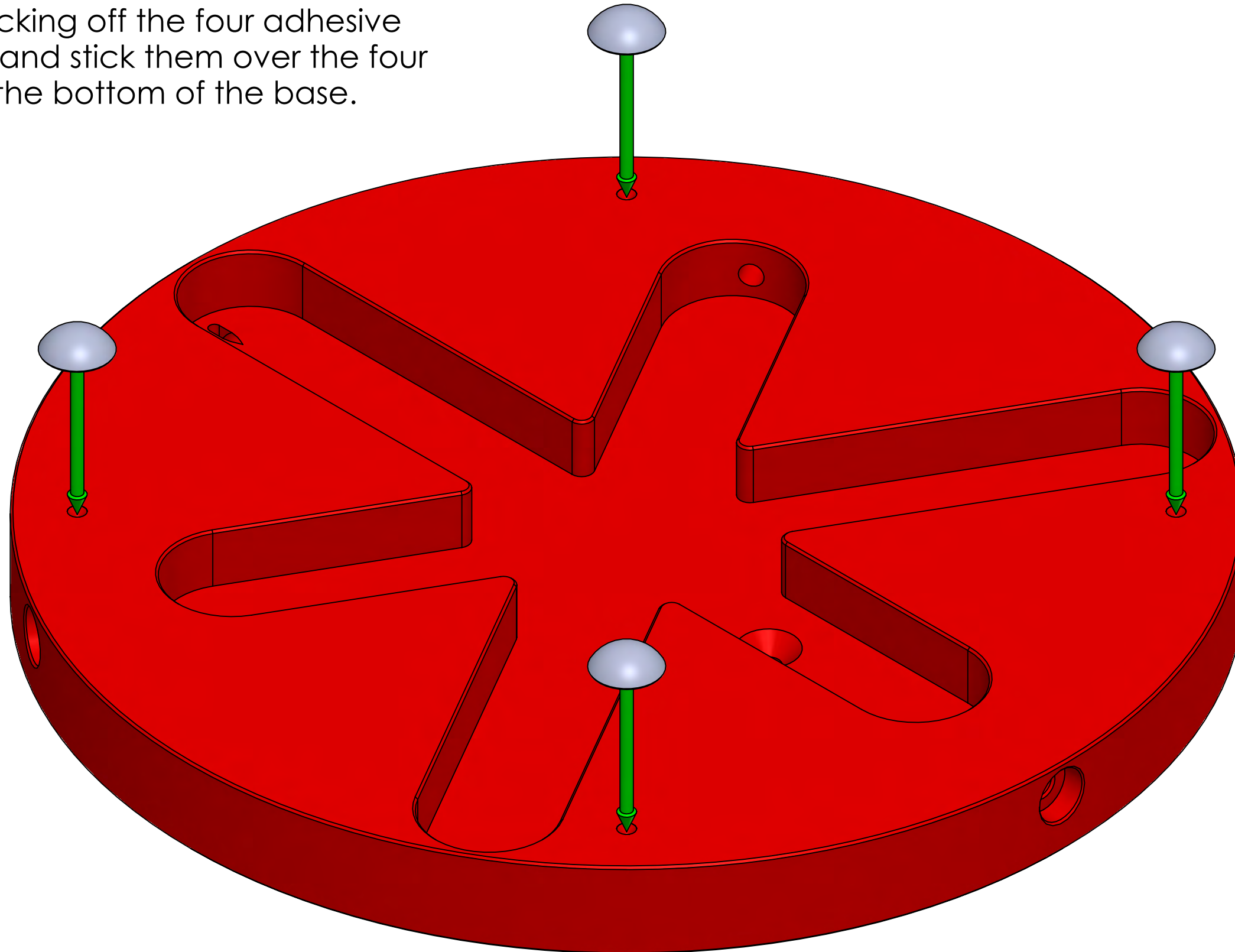
Parts 2

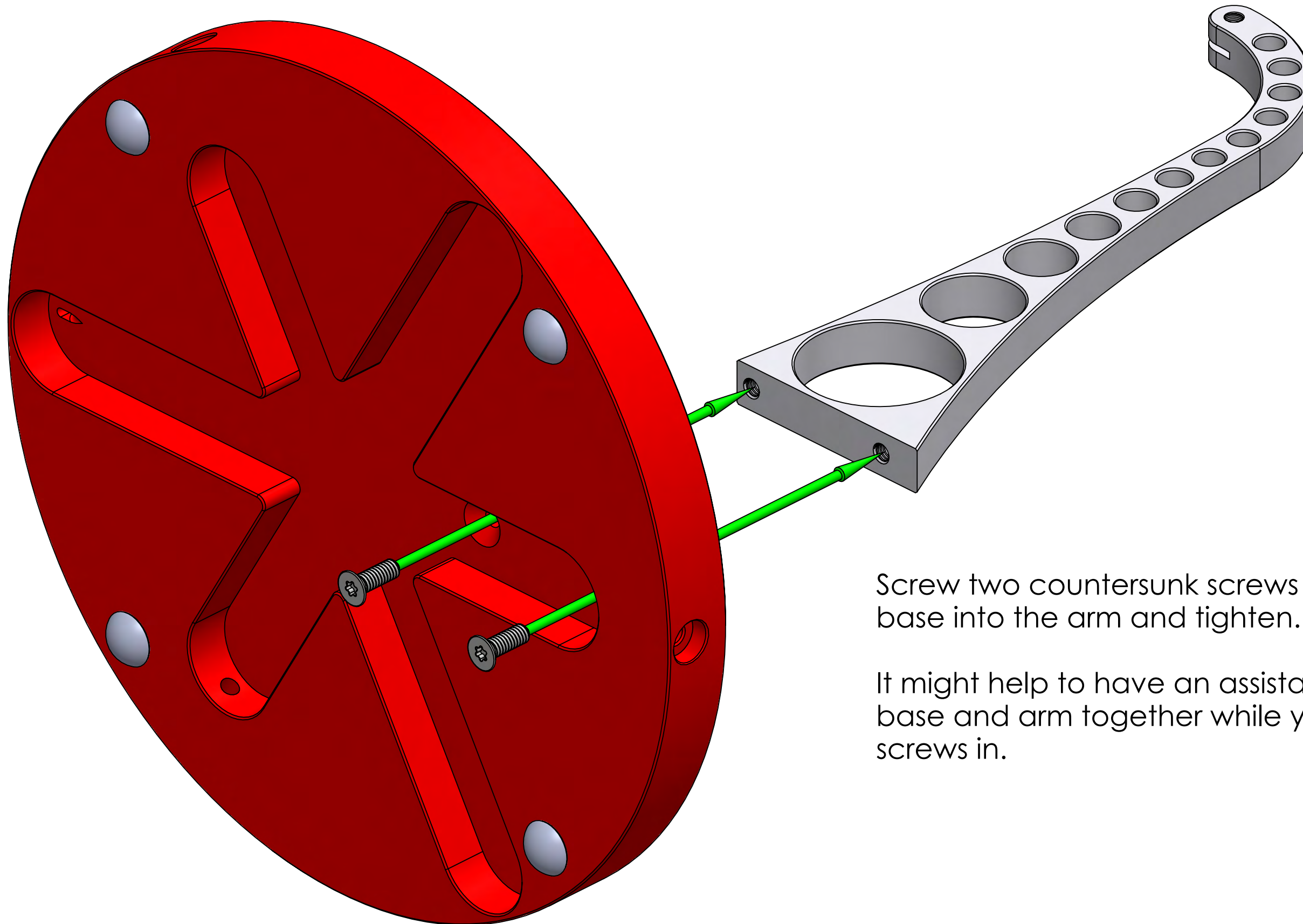


Height indicator (colour may vary) 1x



Peel the backing off the four adhesive rubber feet and stick them over the four dimples on the bottom of the base.



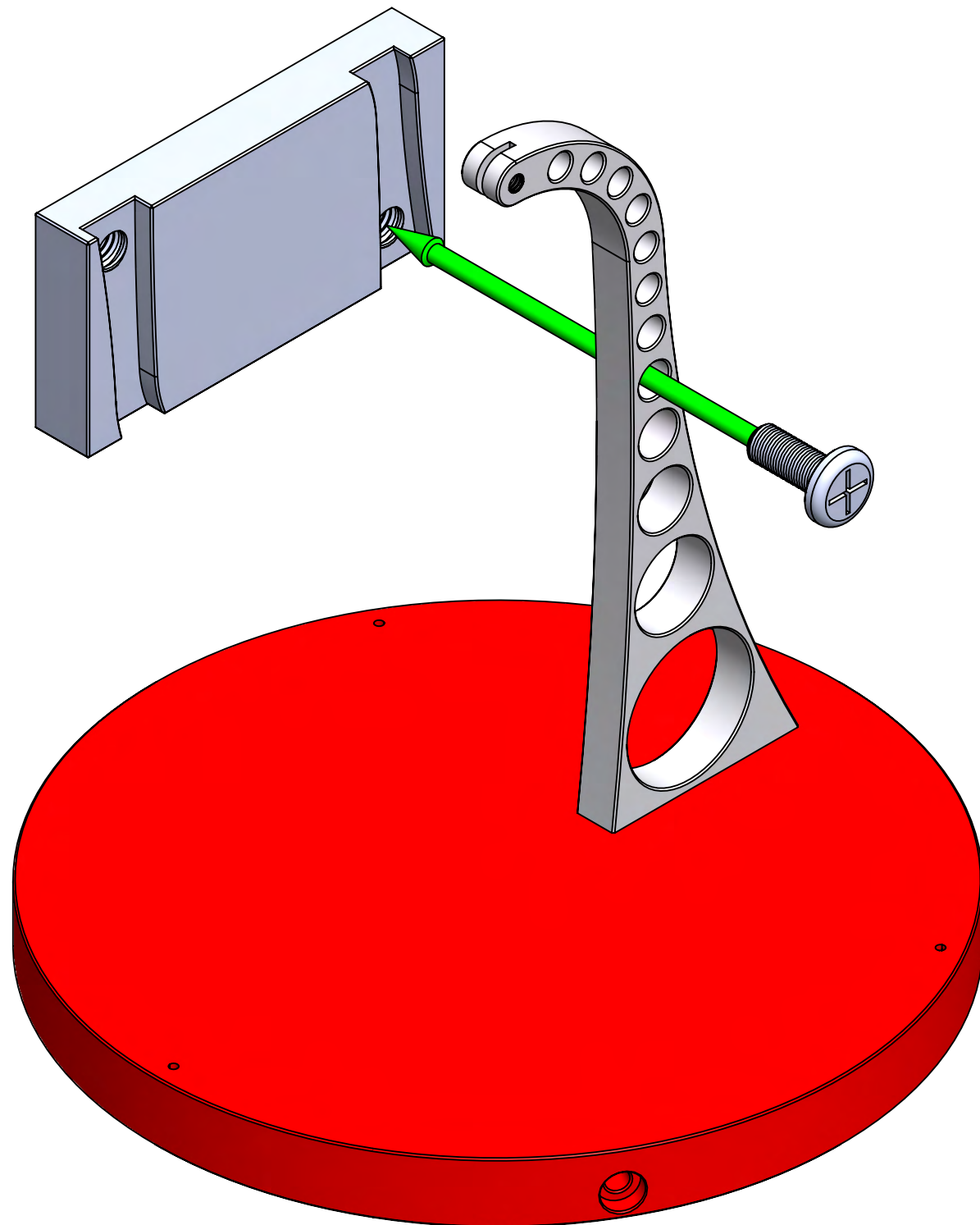


Screw two countersunk screws through the base into the arm and tighten.

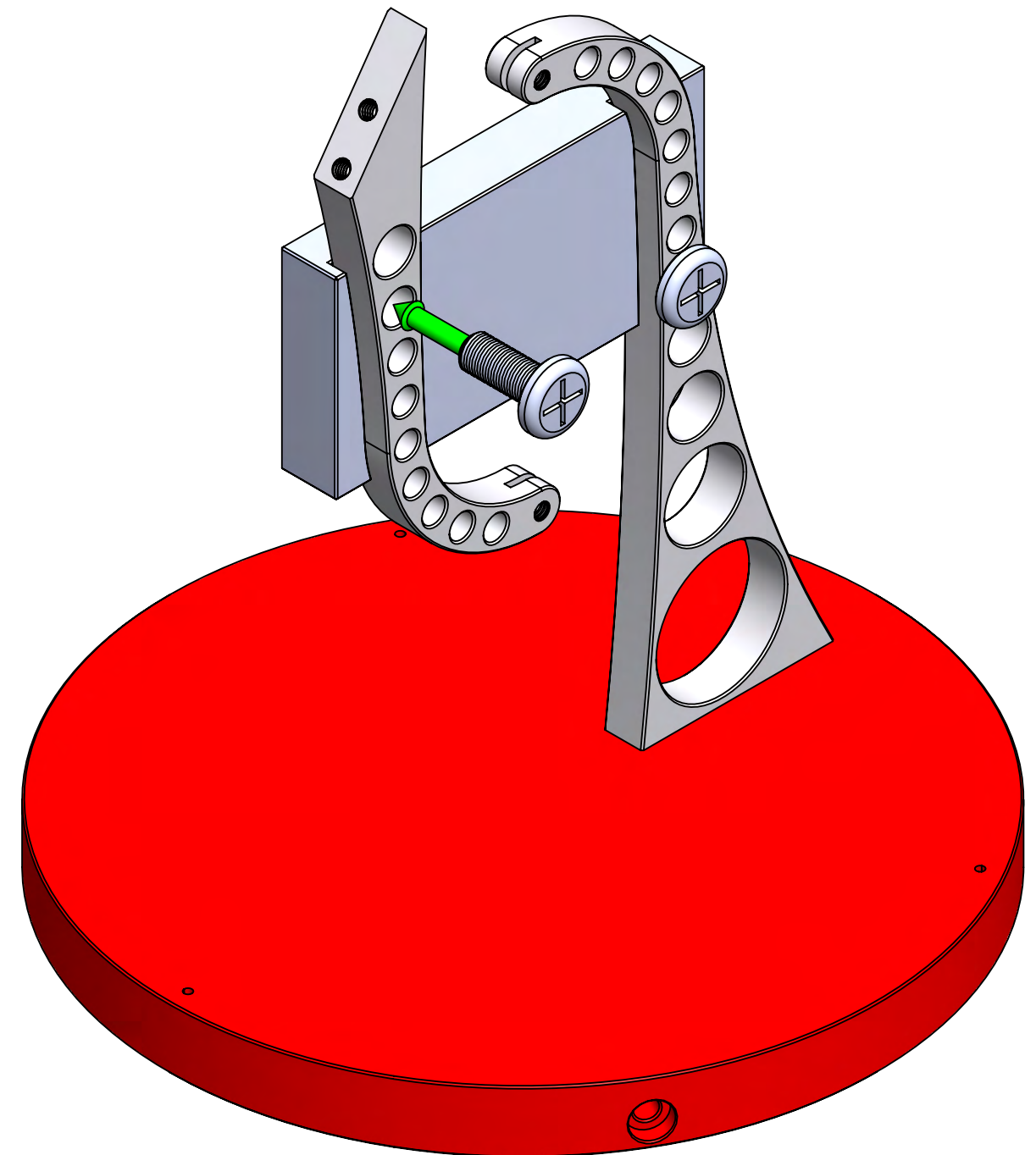
It might help to have an assistant hold the base and arm together while you screw the screws in.

Fit the slot in the assembly plate over the bottom arm and screw one assembly screw through the arm into the assembly plate.

You should be able to screw it in using your fingers, but if not you can use a small cross-point screwdriver. Do not tighten too much or you risk marking the arm.



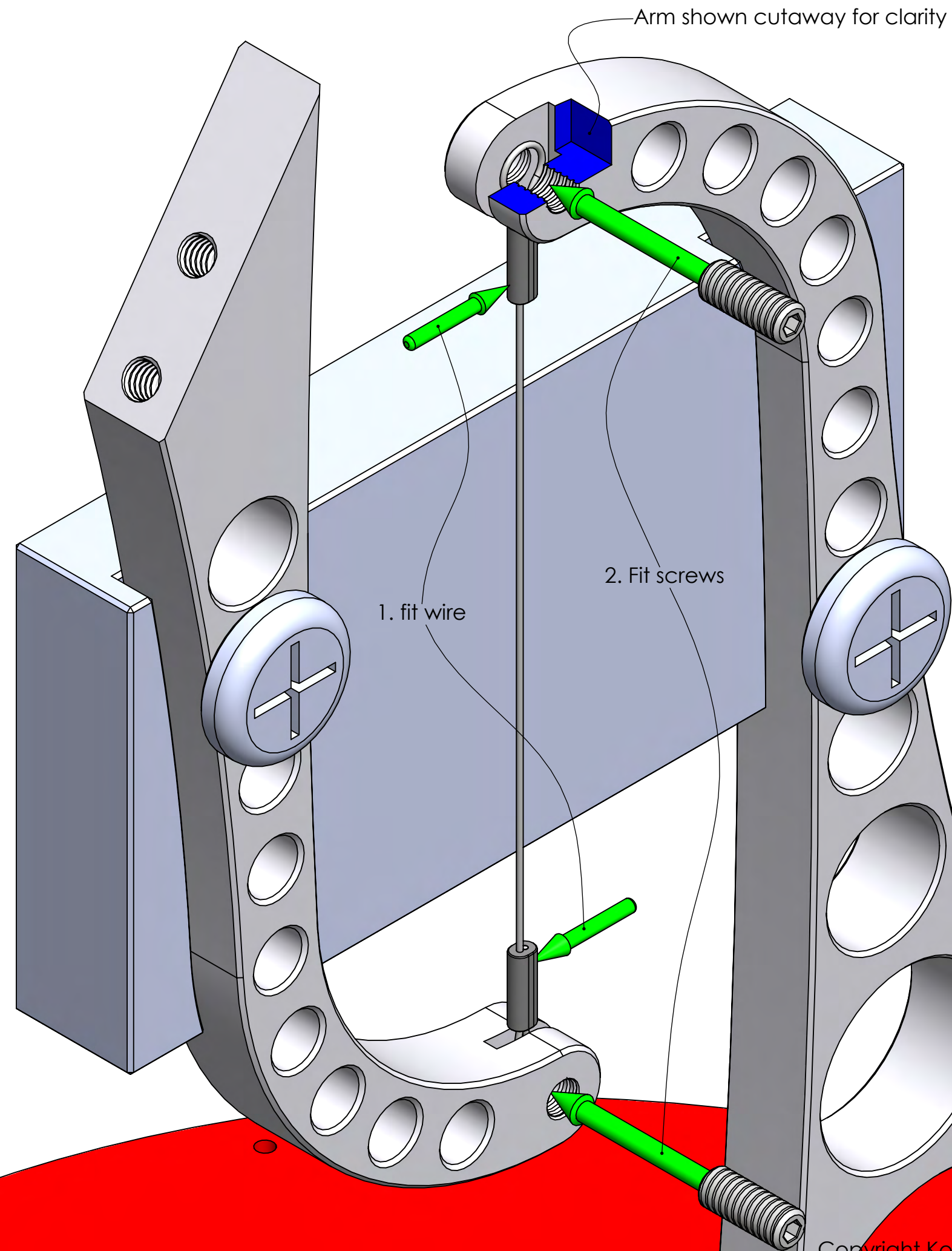
Fit the top arm into the slot in the assembly plate and screw one assembly screw through the arm into the assembly plate.



1. Fit the centre wire into the slots in the ends of the arms.

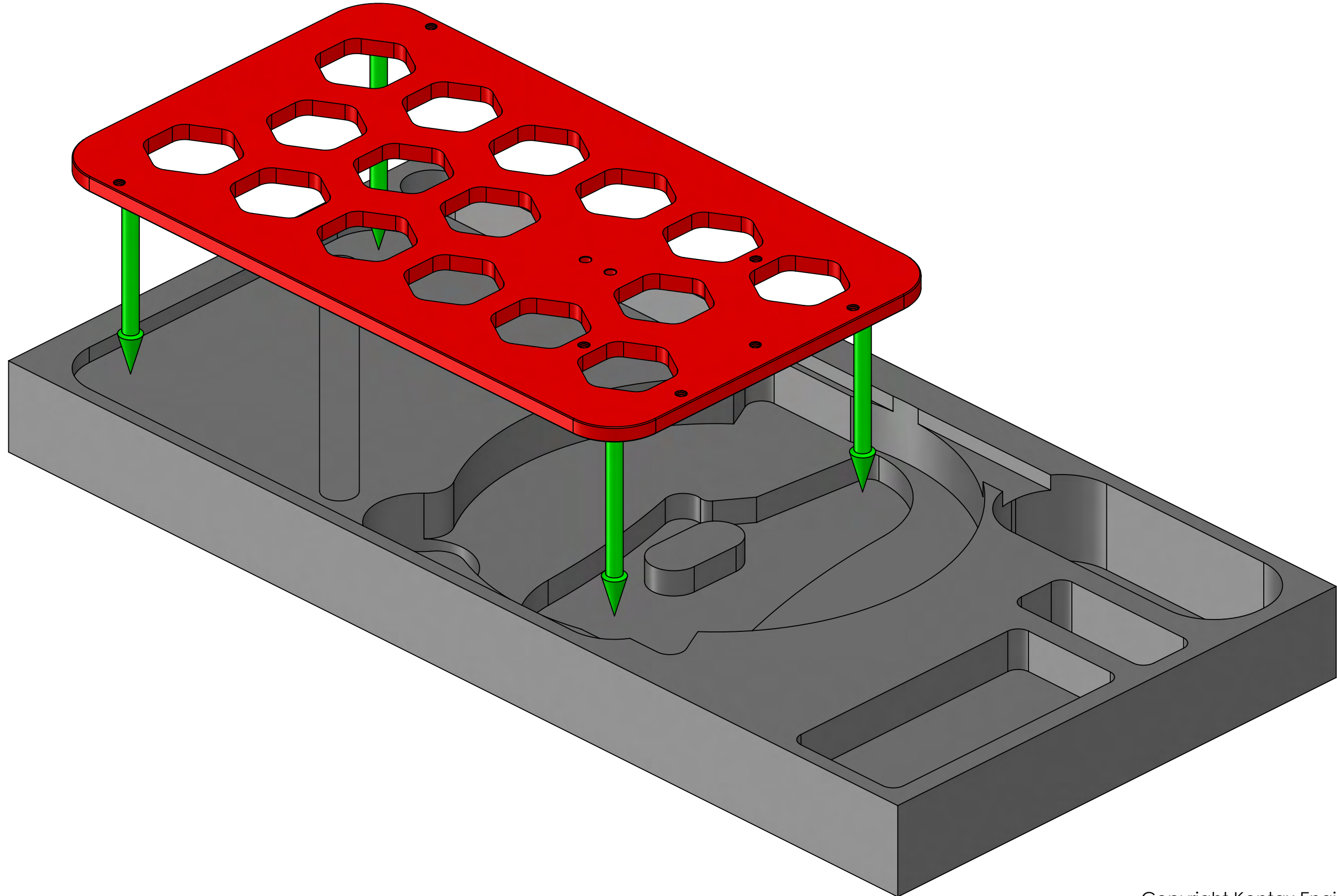
2. Using the hex key screw two grub screws into the arms, going through the loops on the wire.

The screws should pass cleanly through the loops on the ends of the wire and screw down flush with the arms. If they feel tight as you screw them in do not force them. Back the screws off, reposition the loops and try again.



With the Kontax logo facing downwards, push the top plate into the pocket it came out of in the packing tray.

This will help to hold it still during the next couple of assembly stages.

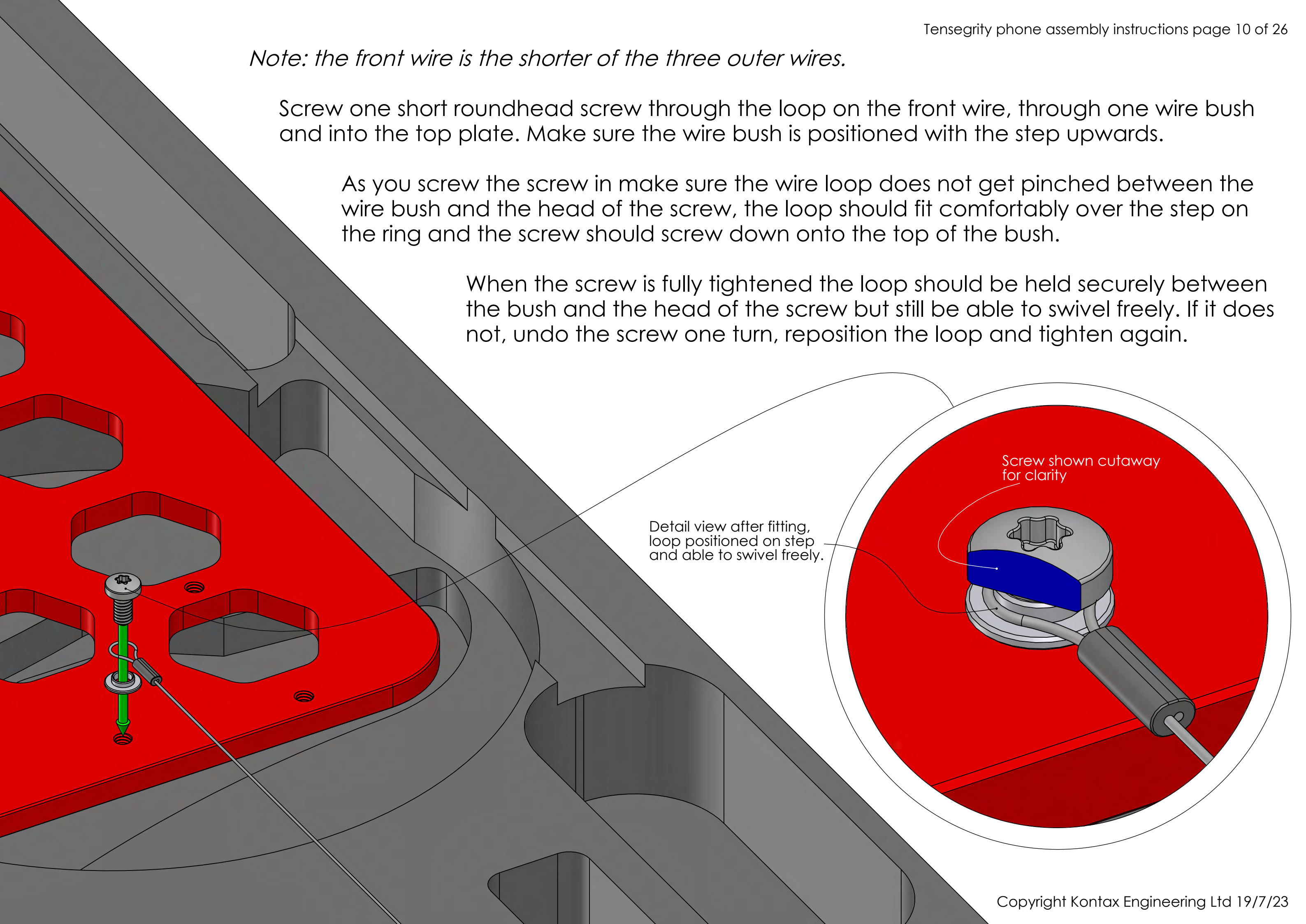


Note: the front wire is the shorter of the three outer wires.

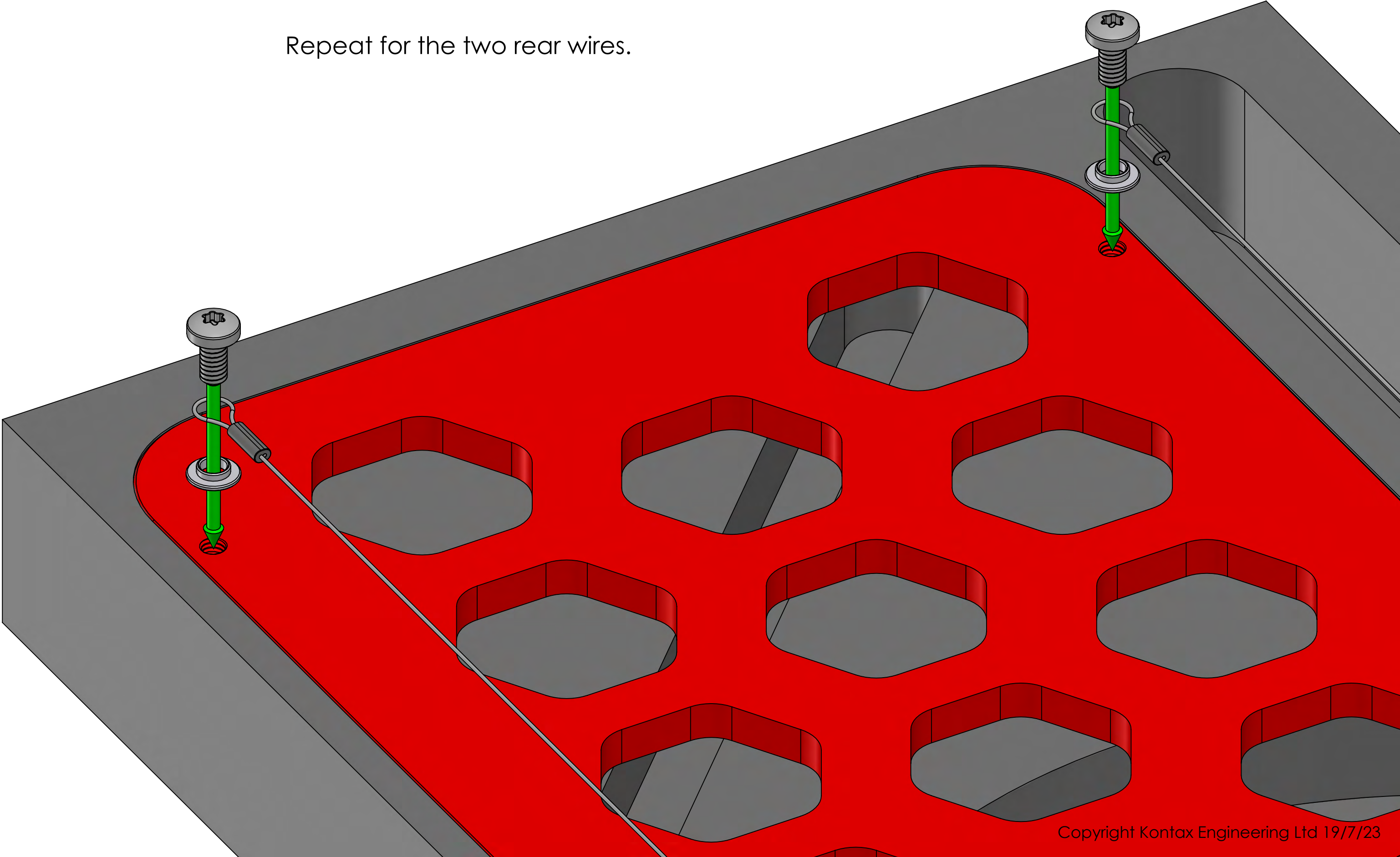
Screw one short roundhead screw through the loop on the front wire, through one wire bush and into the top plate. Make sure the wire bush is positioned with the step upwards.

As you screw the screw in make sure the wire loop does not get pinched between the wire bush and the head of the screw, the loop should fit comfortably over the step on the ring and the screw should screw down onto the top of the bush.

When the screw is fully tightened the loop should be held securely between the bush and the head of the screw but still be able to swivel freely. If it does not, undo the screw one turn, reposition the loop and tighten again.



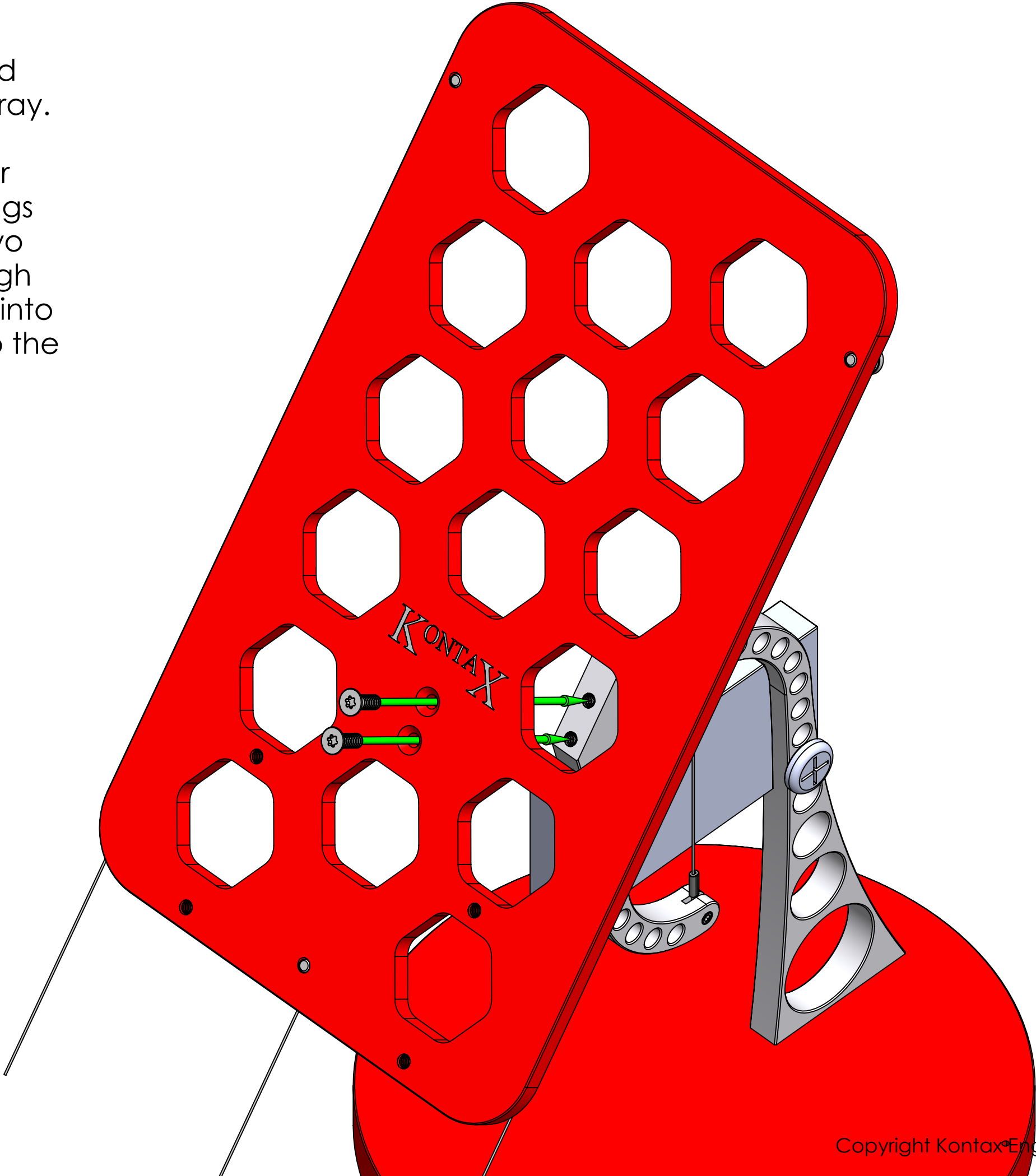
Repeat for the two rear wires.



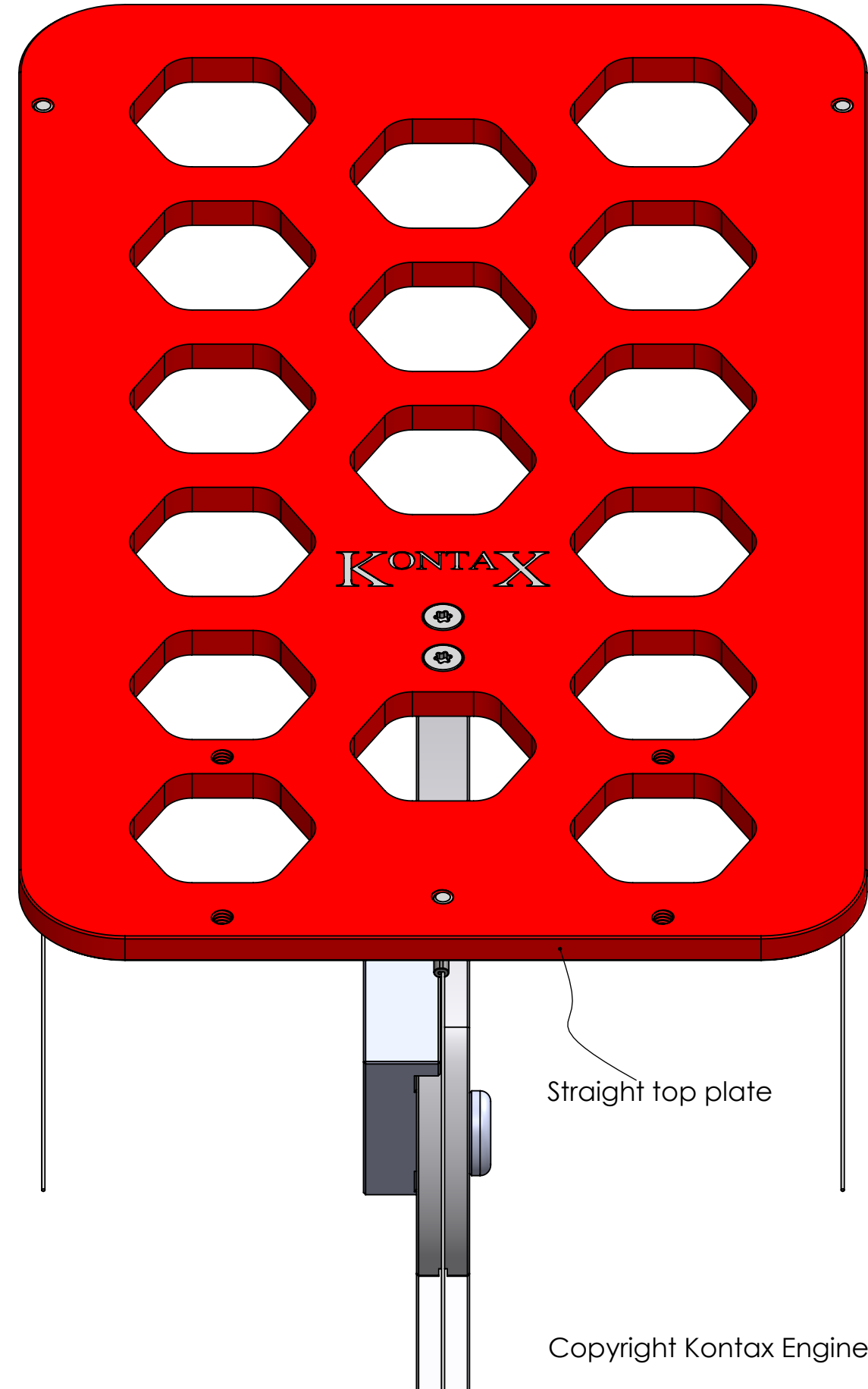
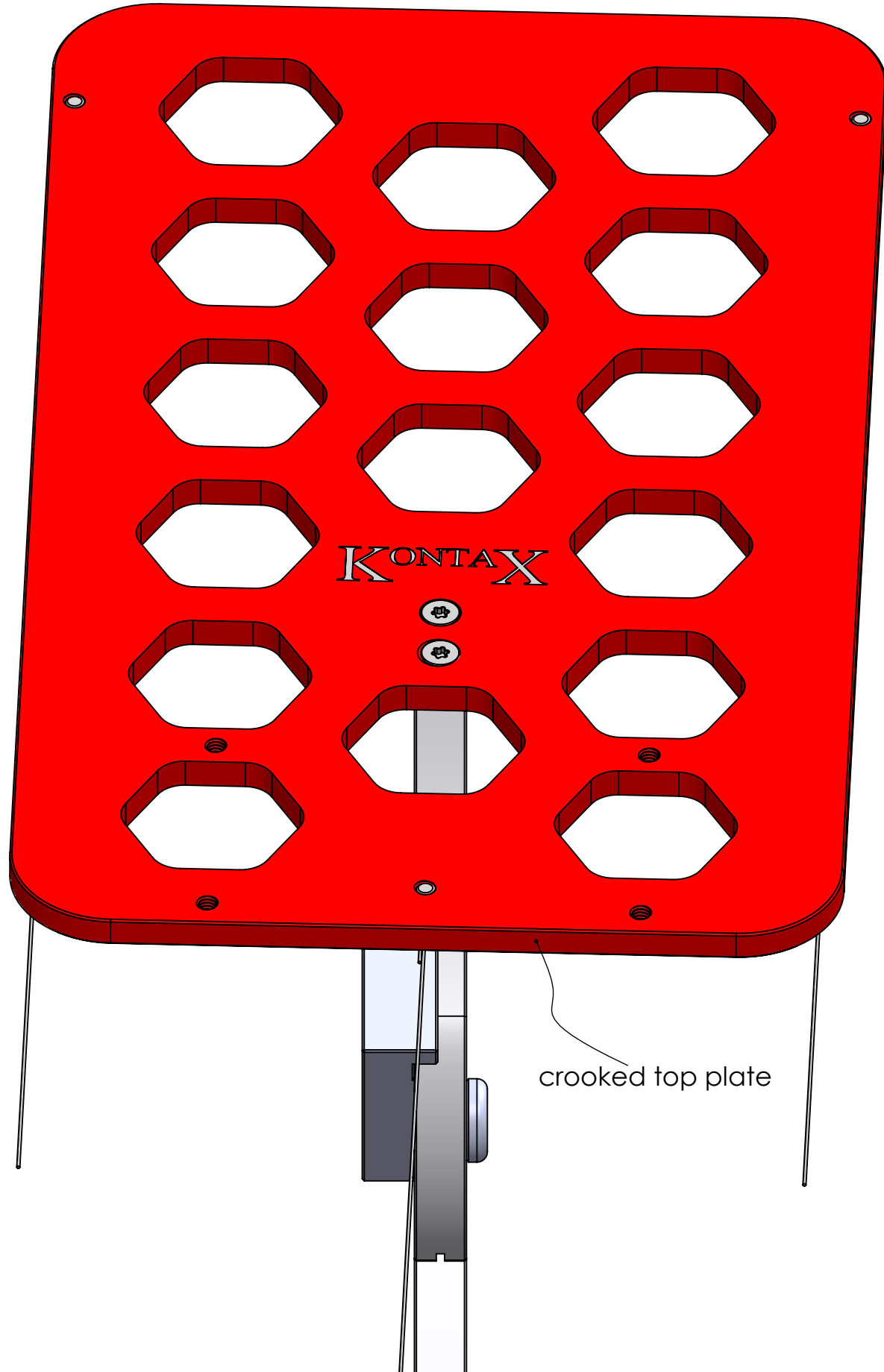
Remove the top plate and fittings from the packing tray.

Position the top plate over the arm with the wire fittings underneath and screw two countersunk screws through the holes in the top plate into the top arm until they grip the top plate lightly.

As you screw the screws into the holes in the plate the plate should get pulled reasonably parallel with the arm.

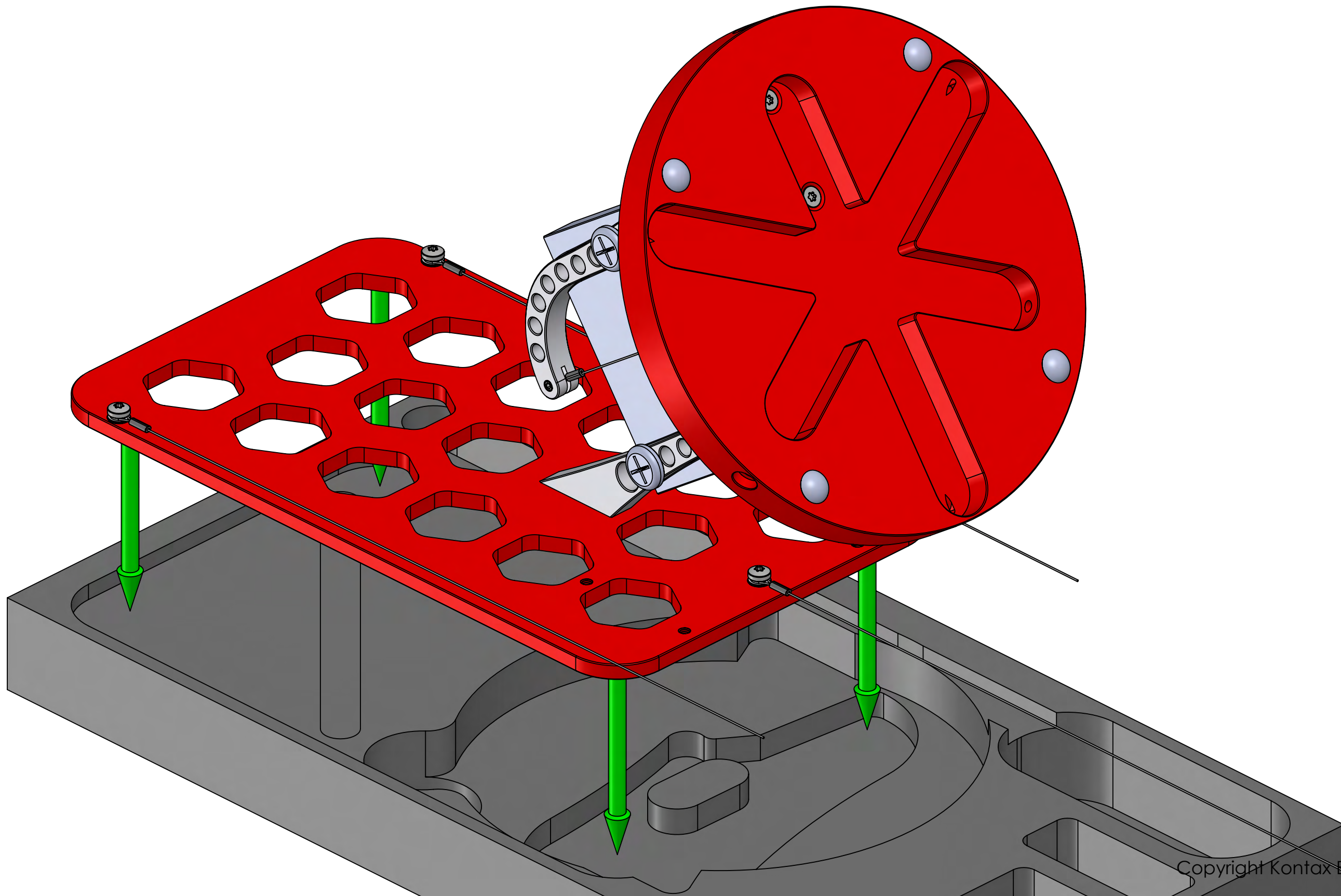


Look at the stand from the front and check that the top plate is straight. If it is crooked you can gently twist the plate until it looks straight. When the top plate looks straight you can fully tighten the top plate screws.



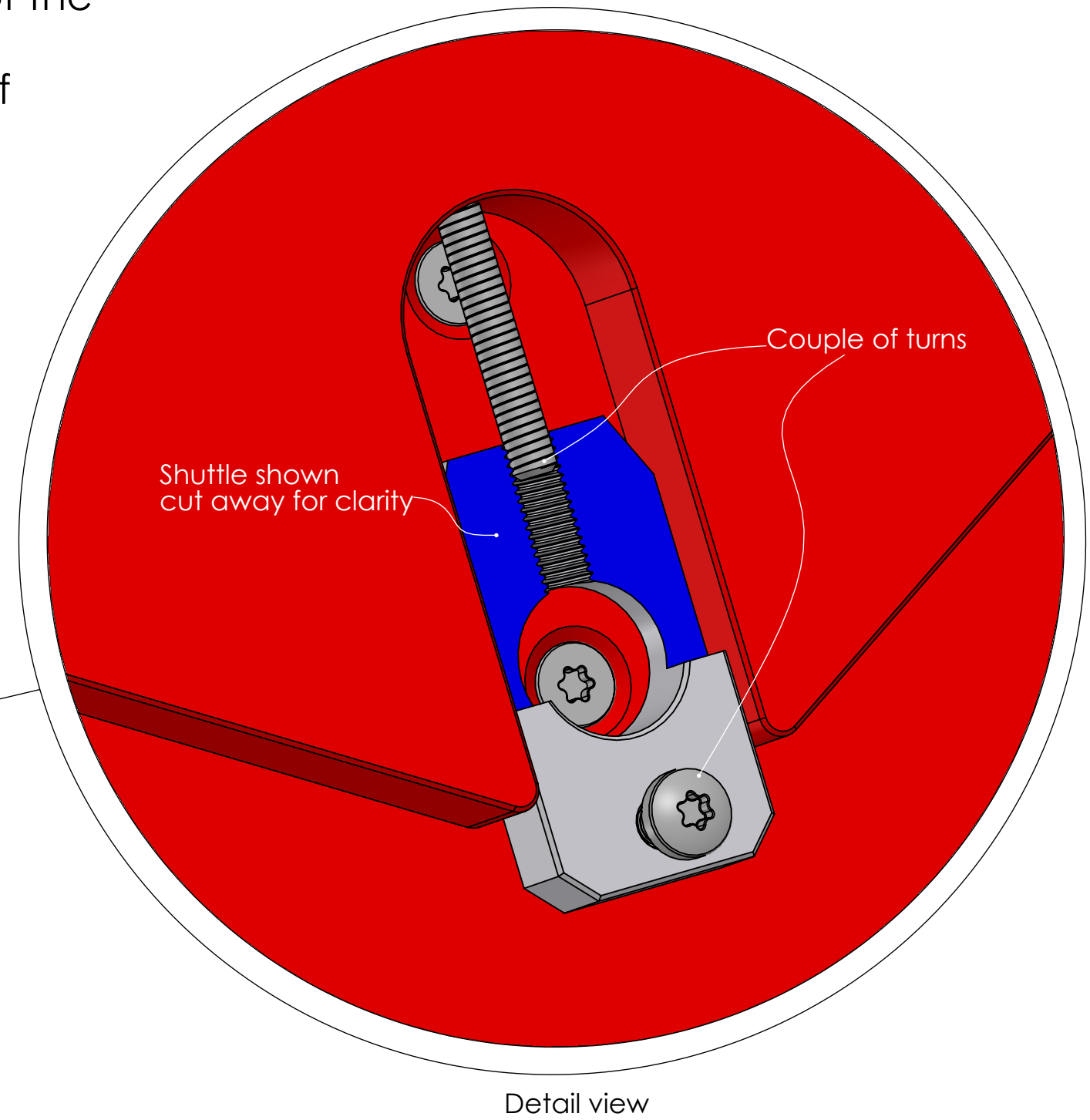
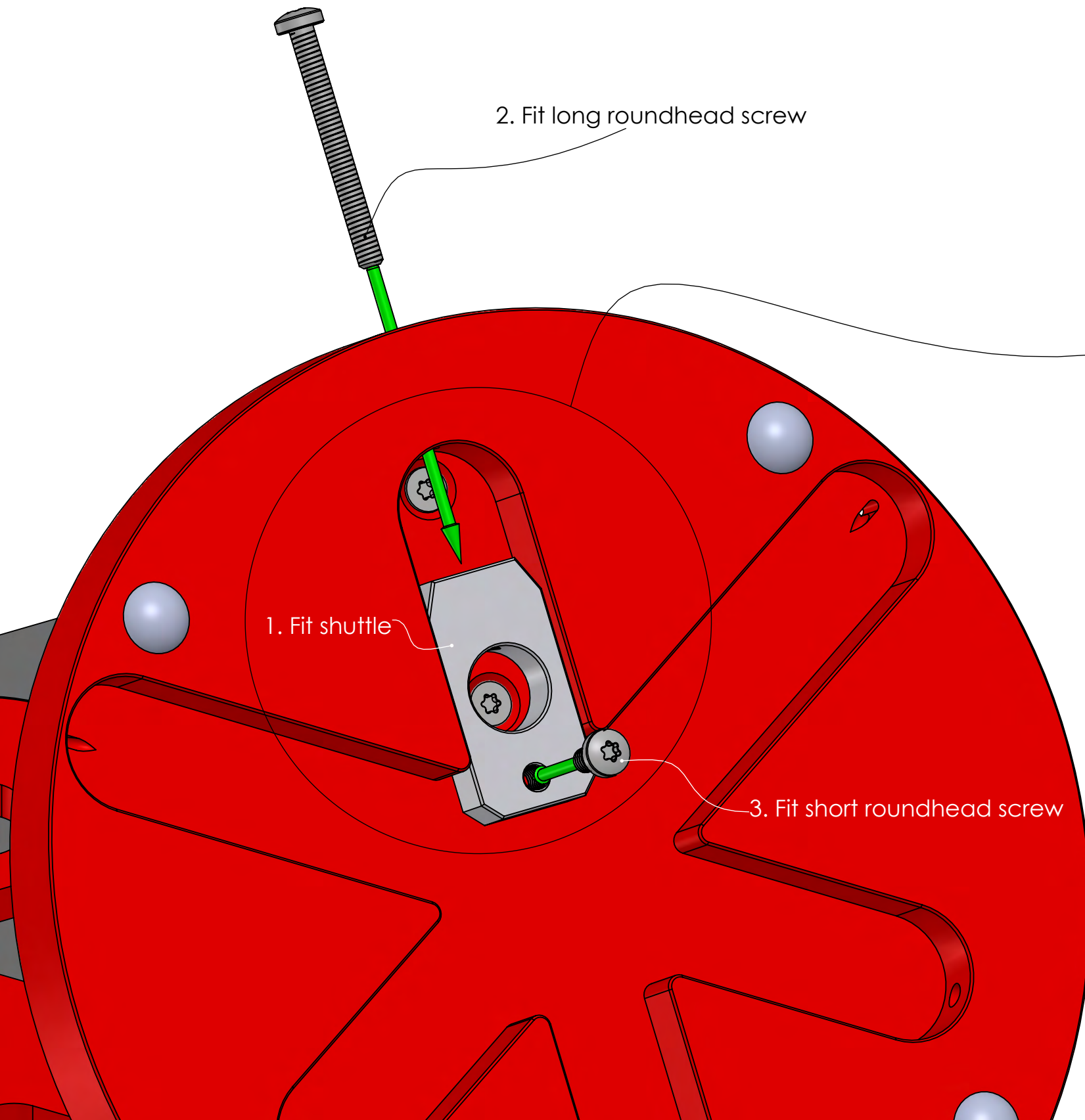
Making sure the wires do not get trapped underneath the top plate, push the plate back into the packing tray.

This will help to hold it still during the next couple of assembly stages.



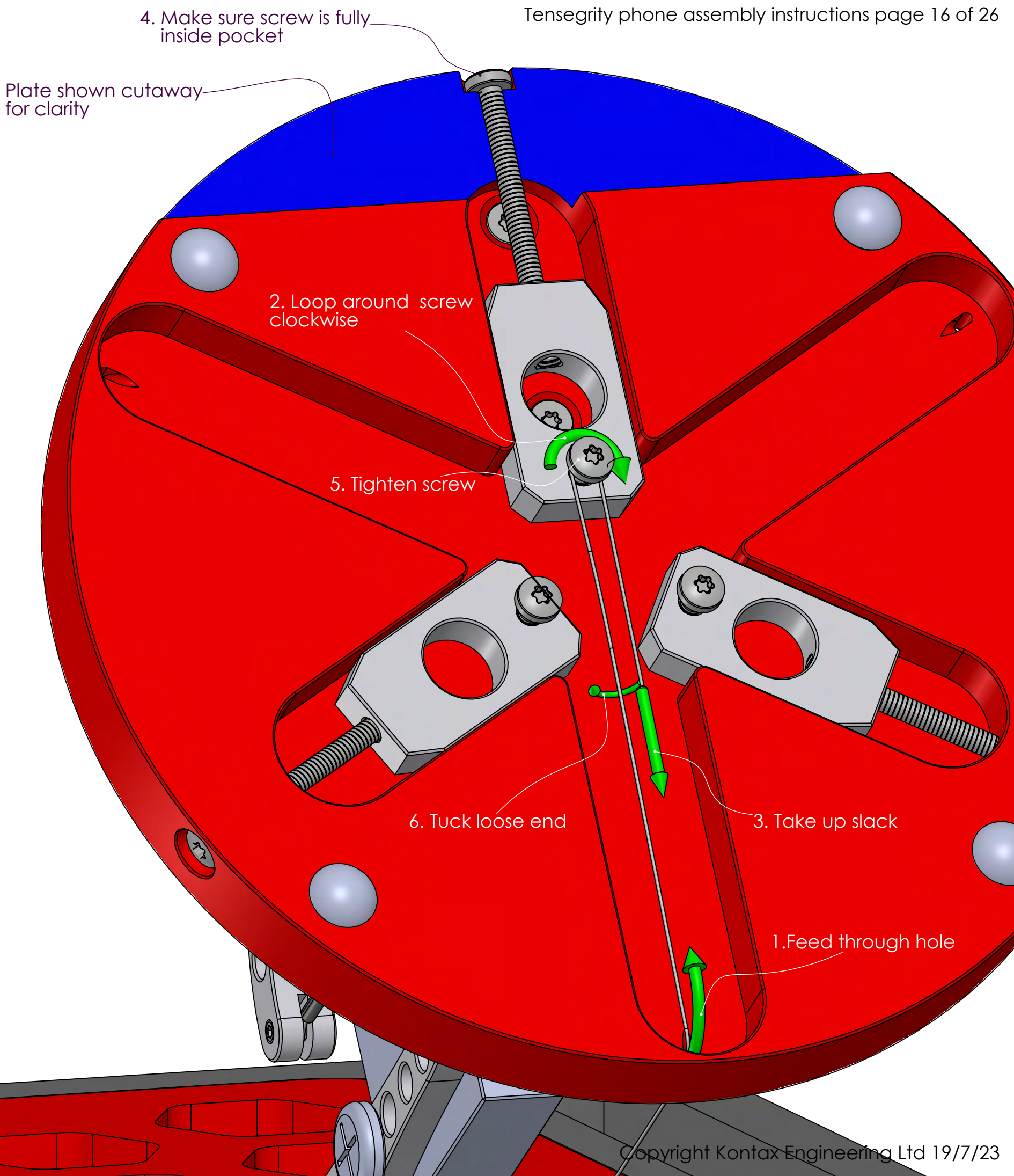
1. Fit one shuttle into a short slot in the base.
2. Fit one long roundhead screw through the hole in the edge of the base and screw it into the shuttle a couple of turns.
3. Screw one short roundhead screw into the shuttle a couple of turns.

Repeat for the other two shuttles.



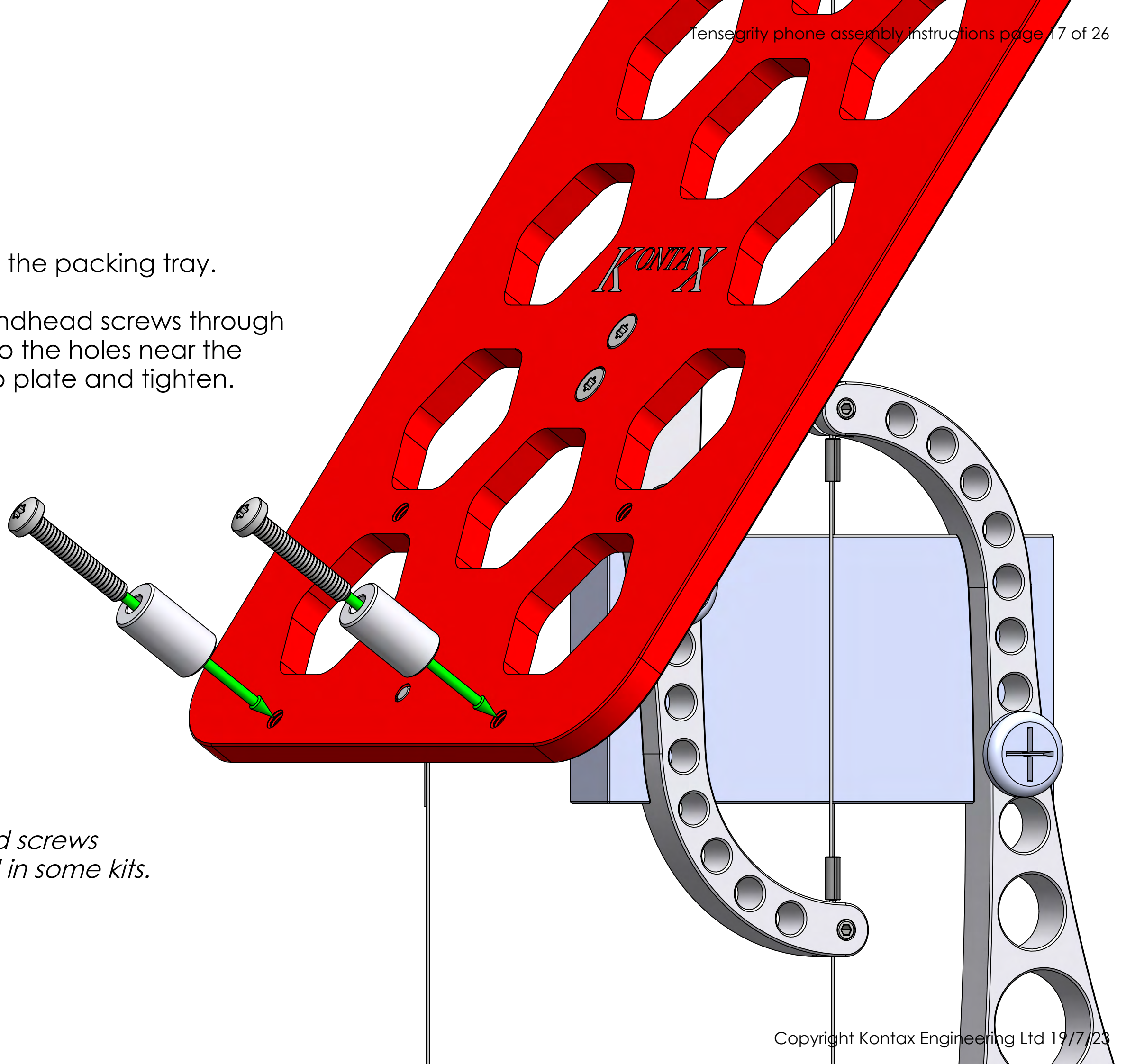
1. Feed the front wire through its matching hole in the base.
2. Loop the wire fully around its opposite shuttle screw. The wire should go a full 180° clockwise around the threaded part of the screw, under the head.
3. Pull firmly enough to take up **all** the slack in the wire but **not** tight like a guitar string. The wire should be straight all the way from the base to the top plate with no bends or kinks.
4. Make sure the long roundhead screw has been pulled fully into its pocket.
5. Make sure the slack is still taken up and screw the shuttle screw down tightly onto the outer wire.
6. The loose wire end can be tucked underneath the straight section for tidiness.

Repeat for the two rear wires.



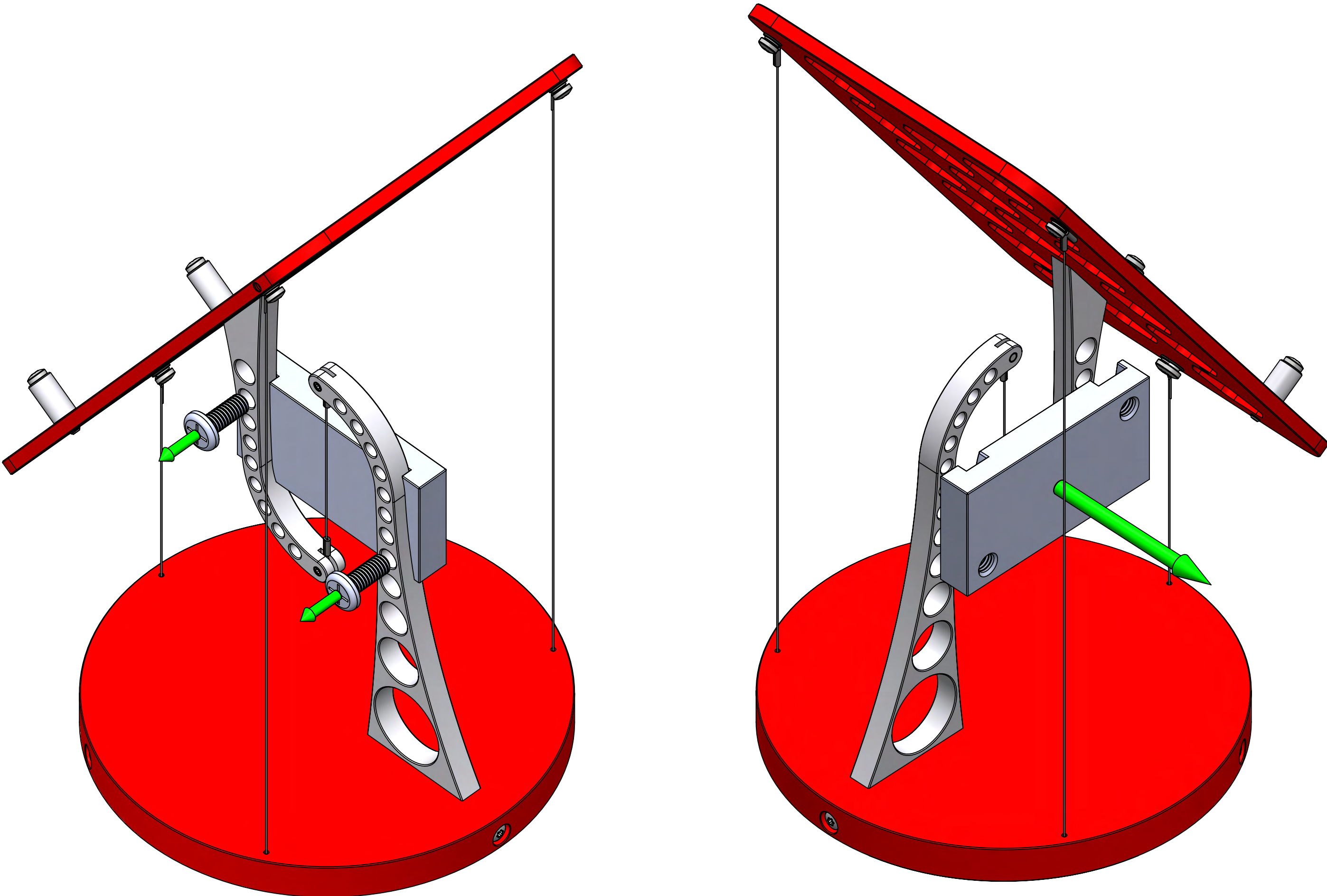
Remove the stand from the packing tray.

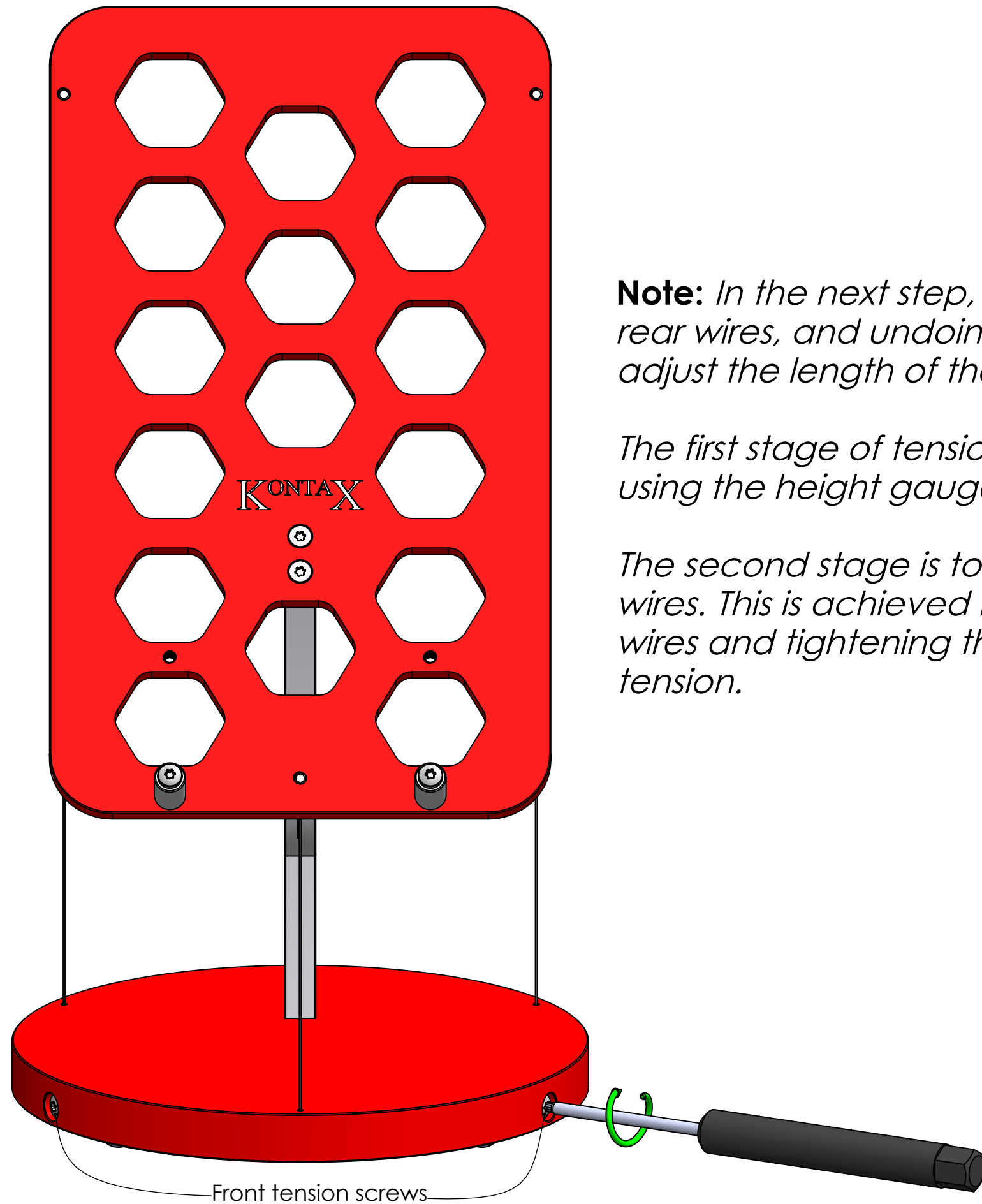
Screw two medium roundhead screws through the two phone pegs into the holes near the bottom edge of the top plate and tighten.



Note: The two pegs and screws may be pre-assembled in some kits.

Remove the two assembly screws and then remove the assembly plate, the stand will be quite wobbly at this stage.





Note: In the next step, tightening the two front tension screws shortens the rear wires, and undoing the screws lengthens the wires. Each screw will adjust the length of the wire that is directly opposite the screw.

The first stage of tensioning is to get the two rear wires the same length using the height gauge.

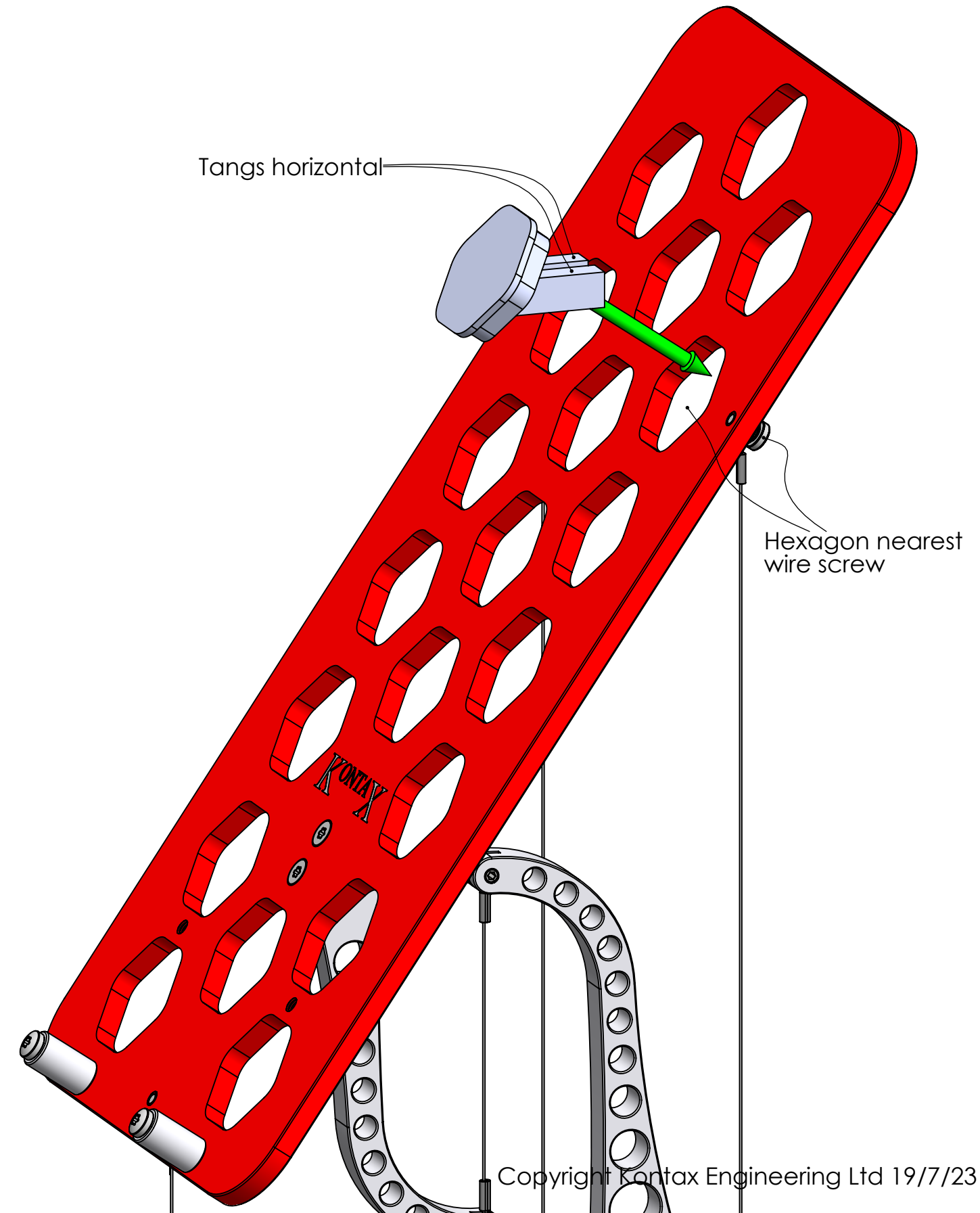
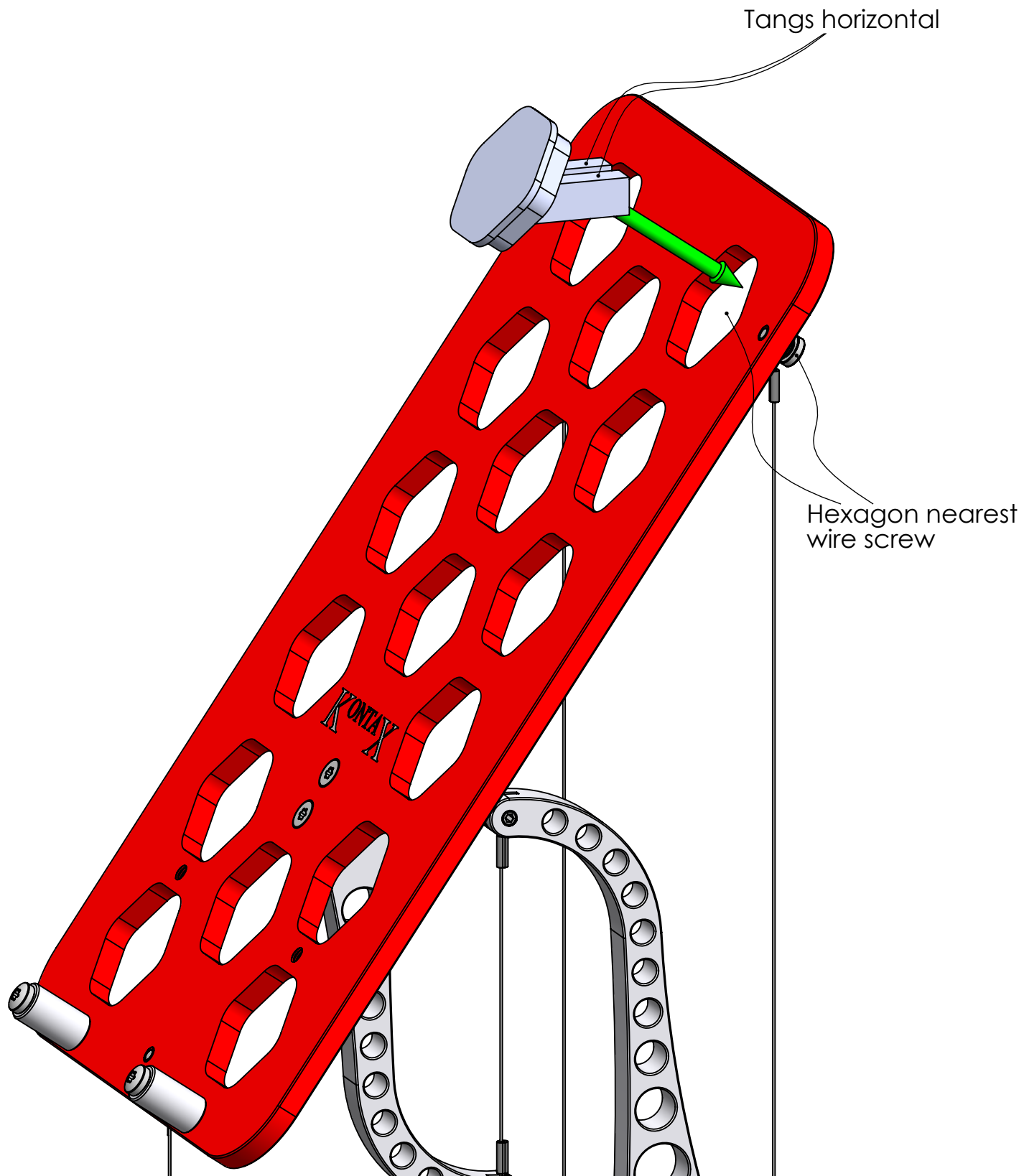
The second stage is to use the wire tensioner to set the tension on all three wires. This is achieved by fitting the tensioner onto either one of the rear wires and tightening the front wire until the tensioner indicates the correct tension.

Fit the indicator into the hexagonal hole as shown. Make sure the tangs are aligned horizontally as shown.

For both MEDIUM and LARGE stands, the indicator fits into the hexagonal hole nearest the wire screw.

MEDIUM stand

LARGE stand



Position the height gauge on the base between the bottom arm and rear wire so that the top of the height gauge rests between the tangs on the height indicator.

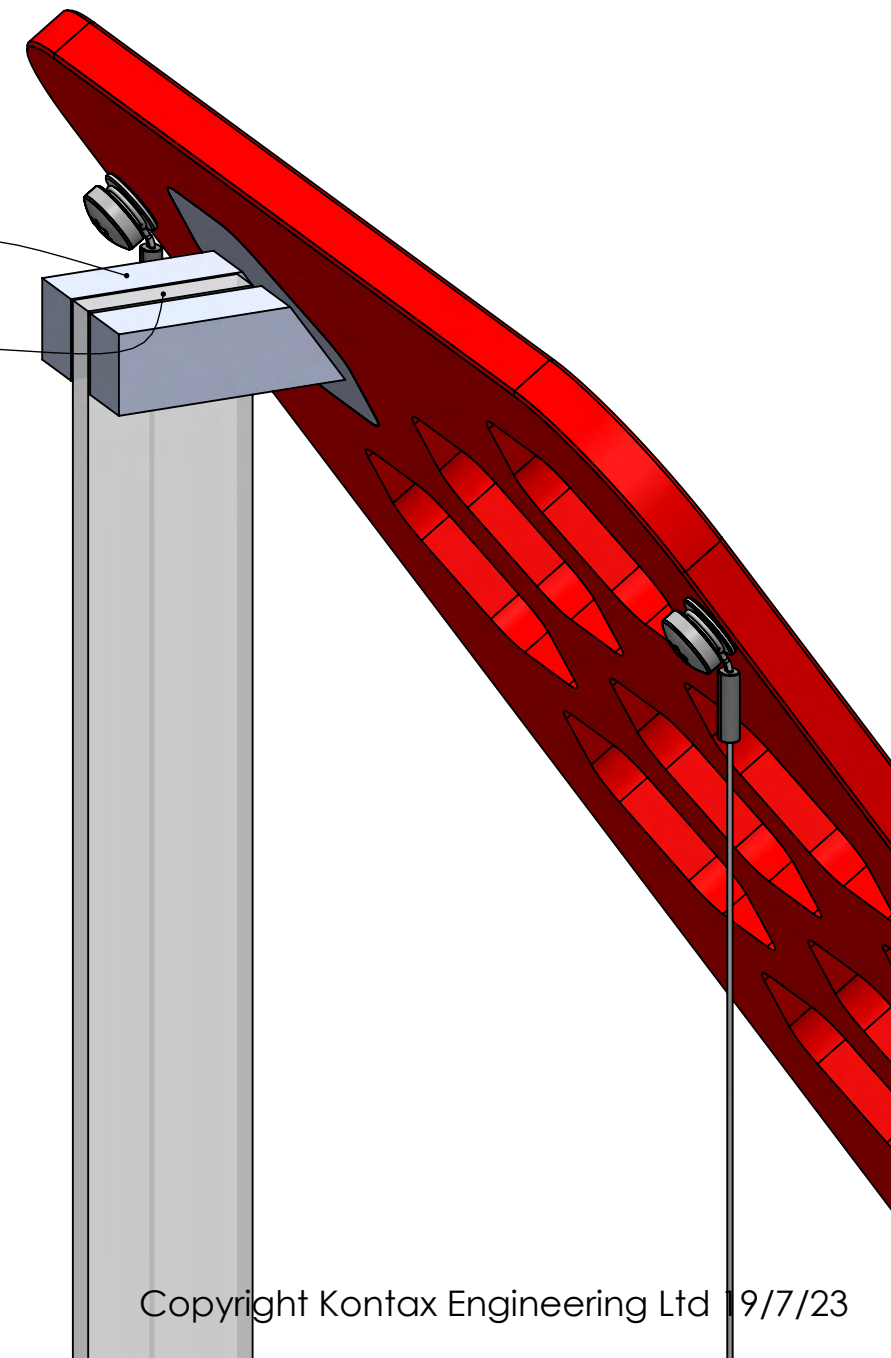
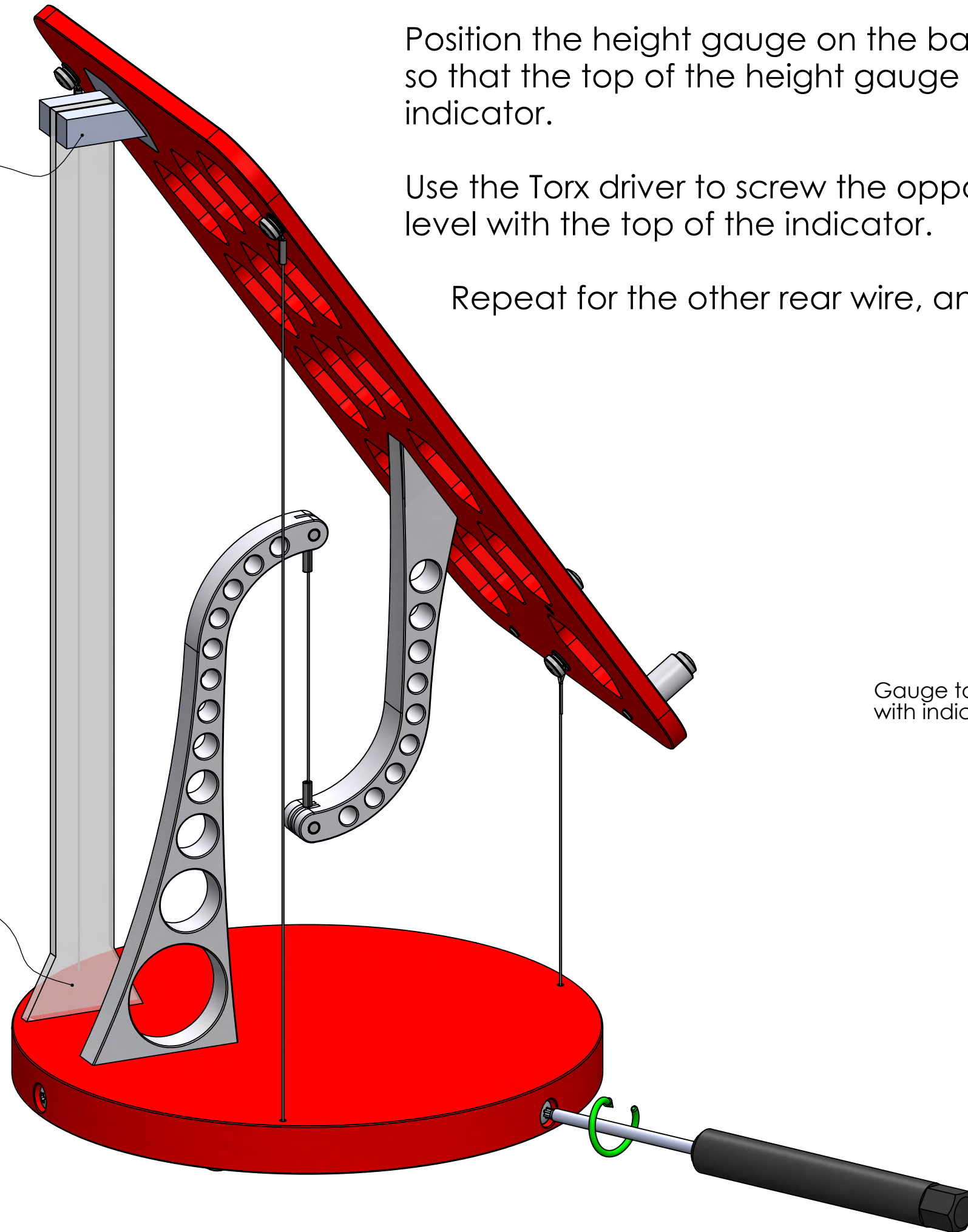
Use the Torx driver to screw the opposite screw in until the top of the gauge is level with the top of the indicator.

Repeat for the other rear wire, and then remove the indicator.

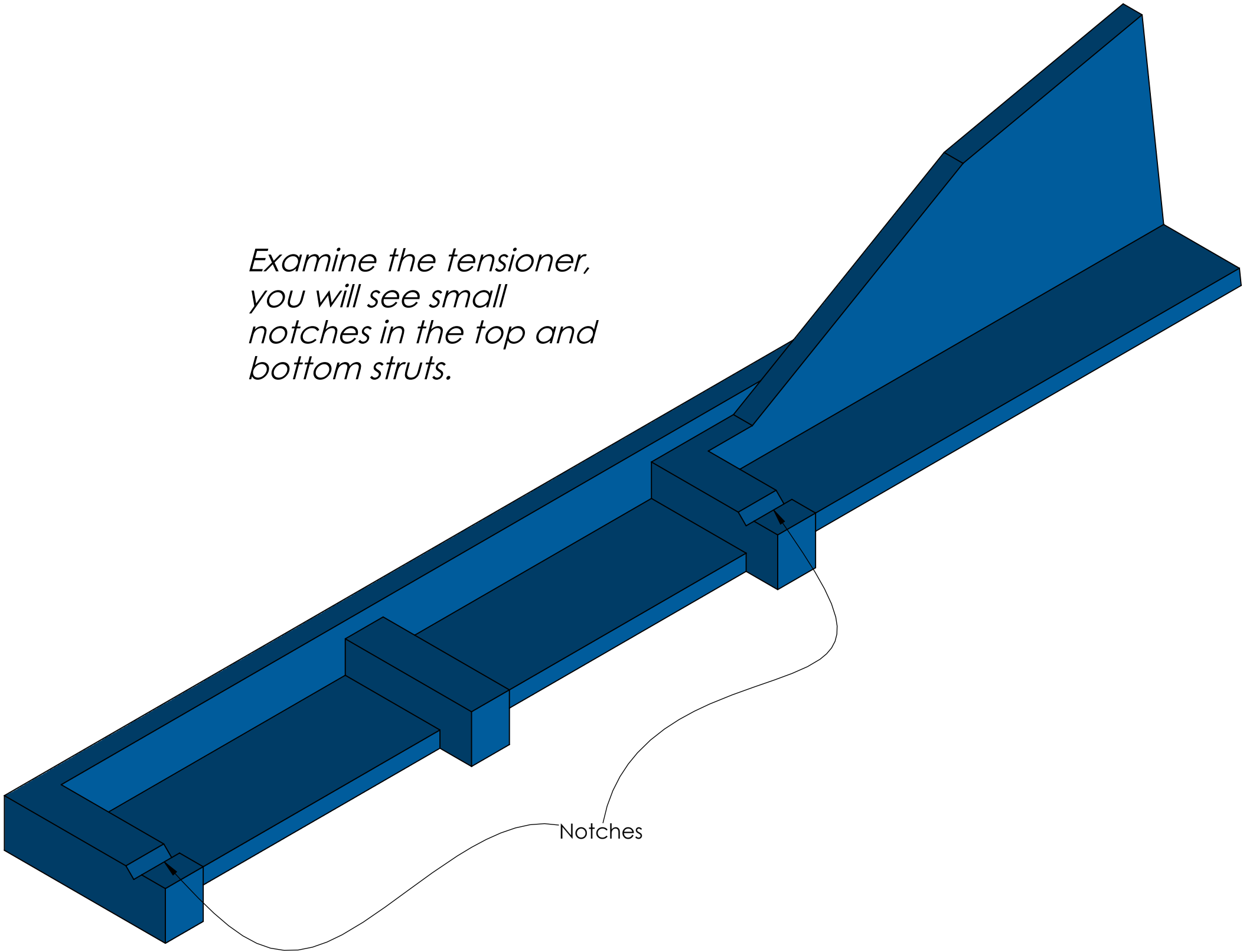
Between tangs

Between bottom arm and rear wire

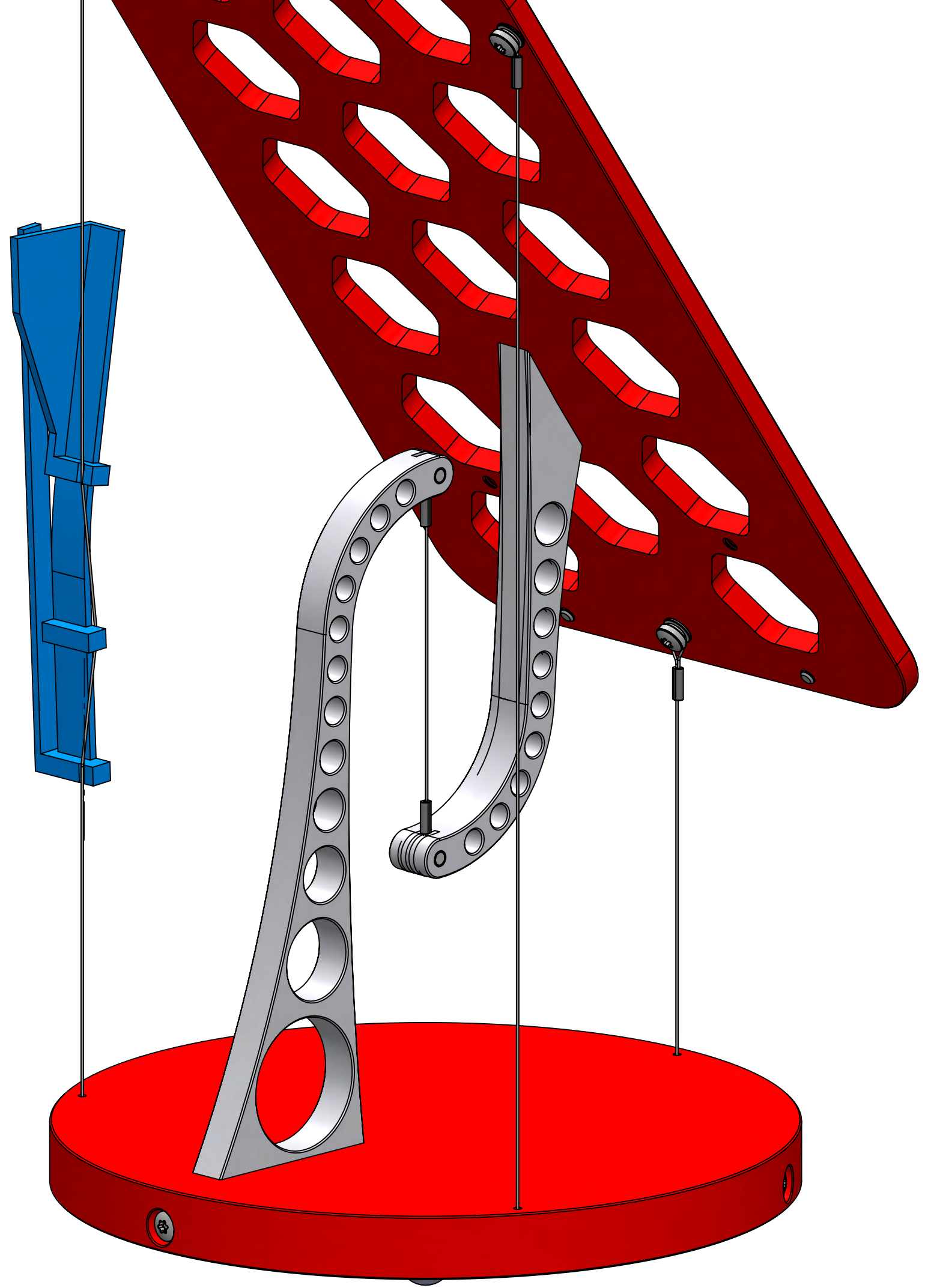
Gauge top level with indicator top



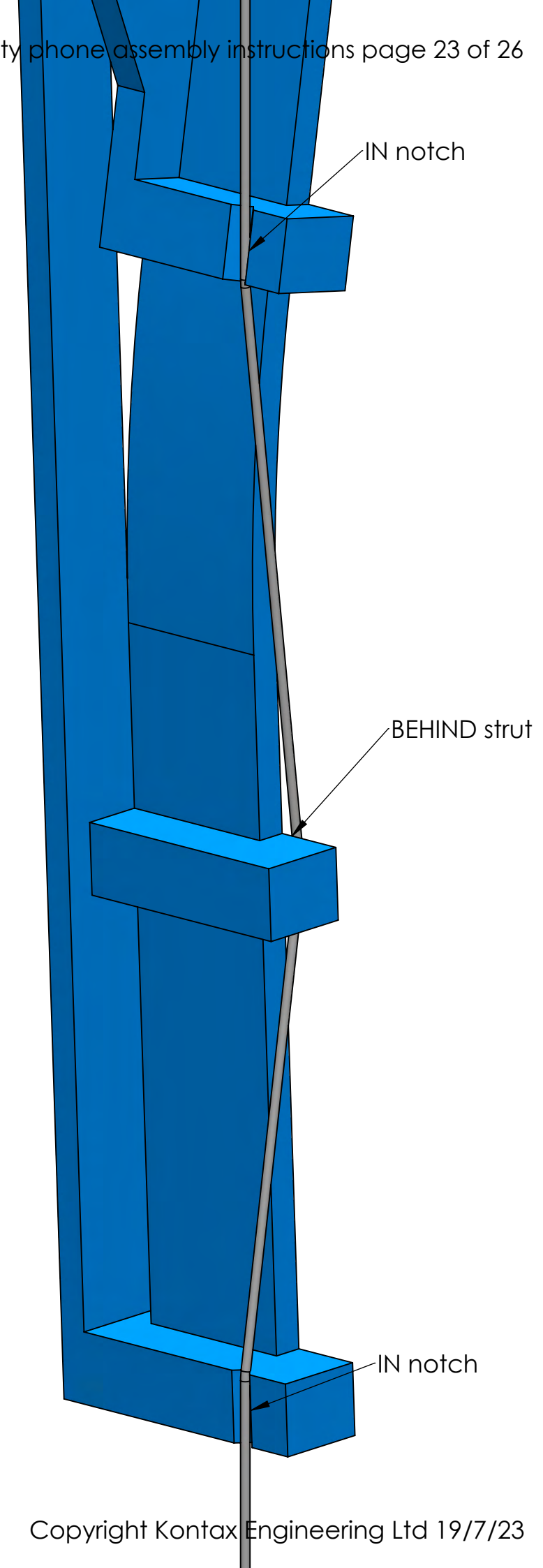
Examine the tensioner, you will see small notches in the top and bottom struts.



Notches



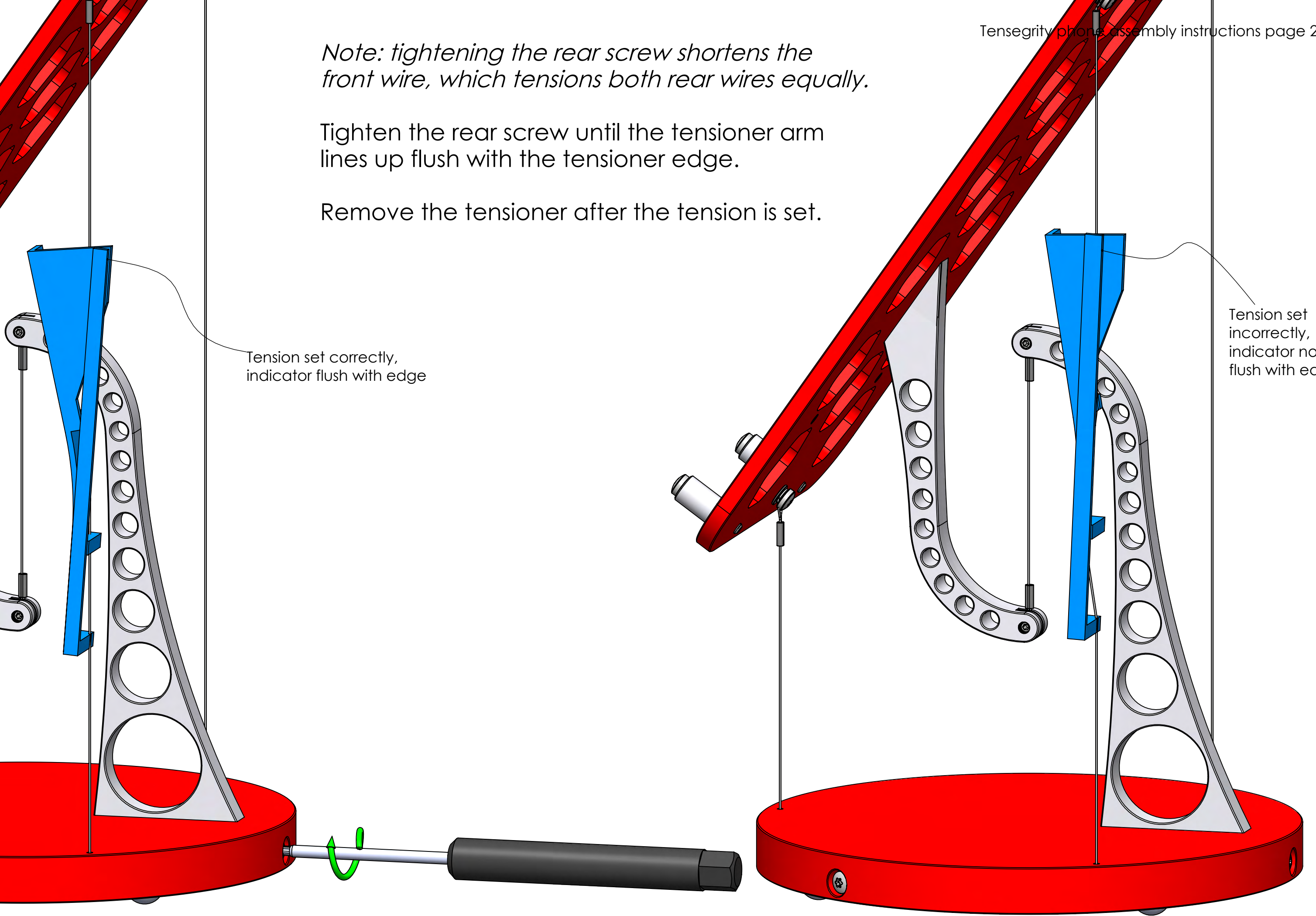
Fit the tensioner onto either of the rear wires, it doesn't matter which one. The wire must fit IN the bottom notch, pass BEHIND the strut, and IN the top notch. You will need to bend the tensioner a little bit to get in on, and the wire will be bent slightly on its path through the tensioner.

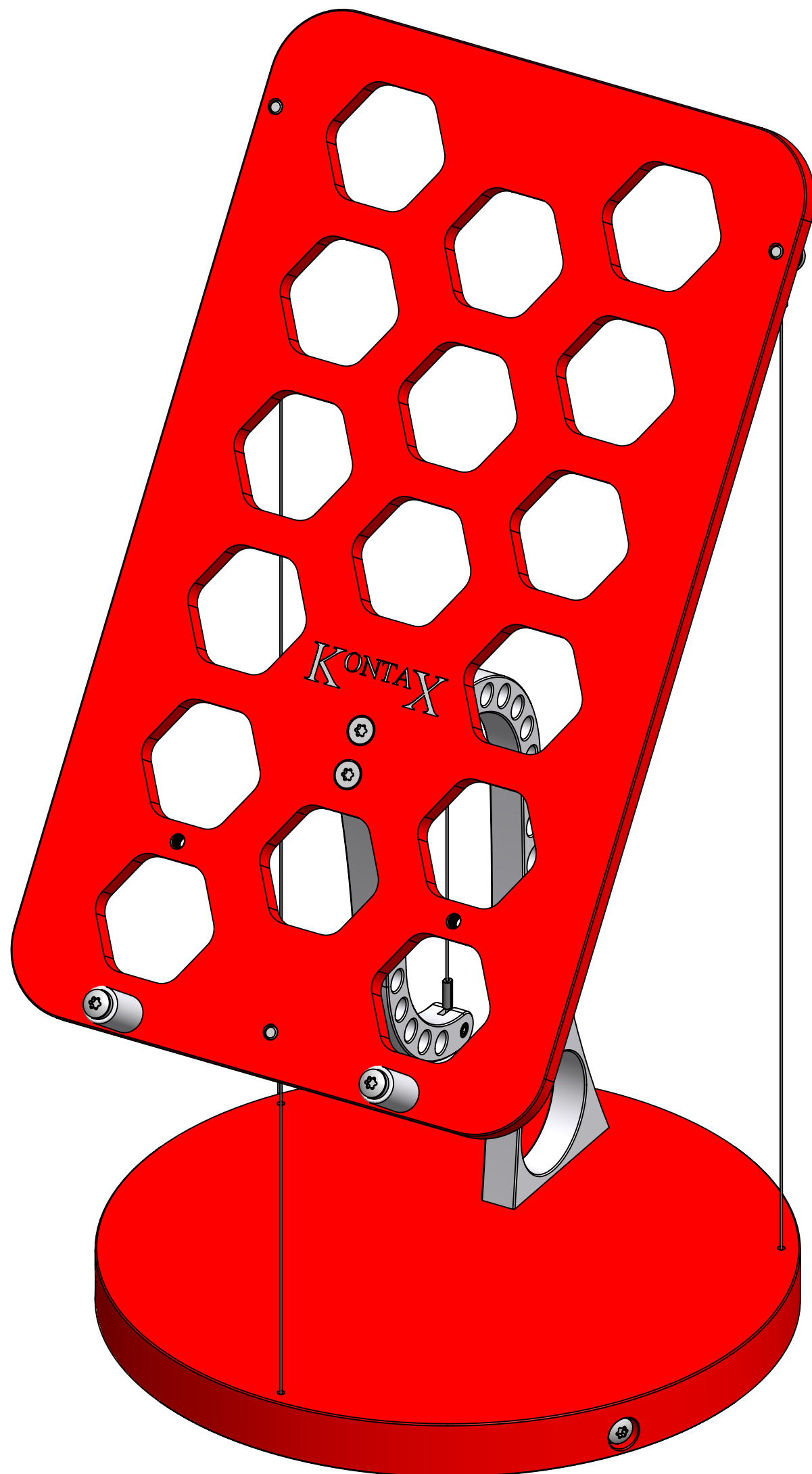


Note: tightening the rear screw shortens the front wire, which tensions both rear wires equally.

Tighten the rear screw until the tensioner arm lines up flush with the tensioner edge.

Remove the tensioner after the tension is set.





Your Tensegrity phone stand is now fully assembled.
If you need help with your stand you can email us at:
support@stirlingengine.co.uk



Our workshop is located in the Thames Valley, United Kingdom and is staffed by a skilled team of 9 designers, machinists and assemblers. We have 4 CNC mills, 3 CNC lathes and 3 CNC mill-turn centres.