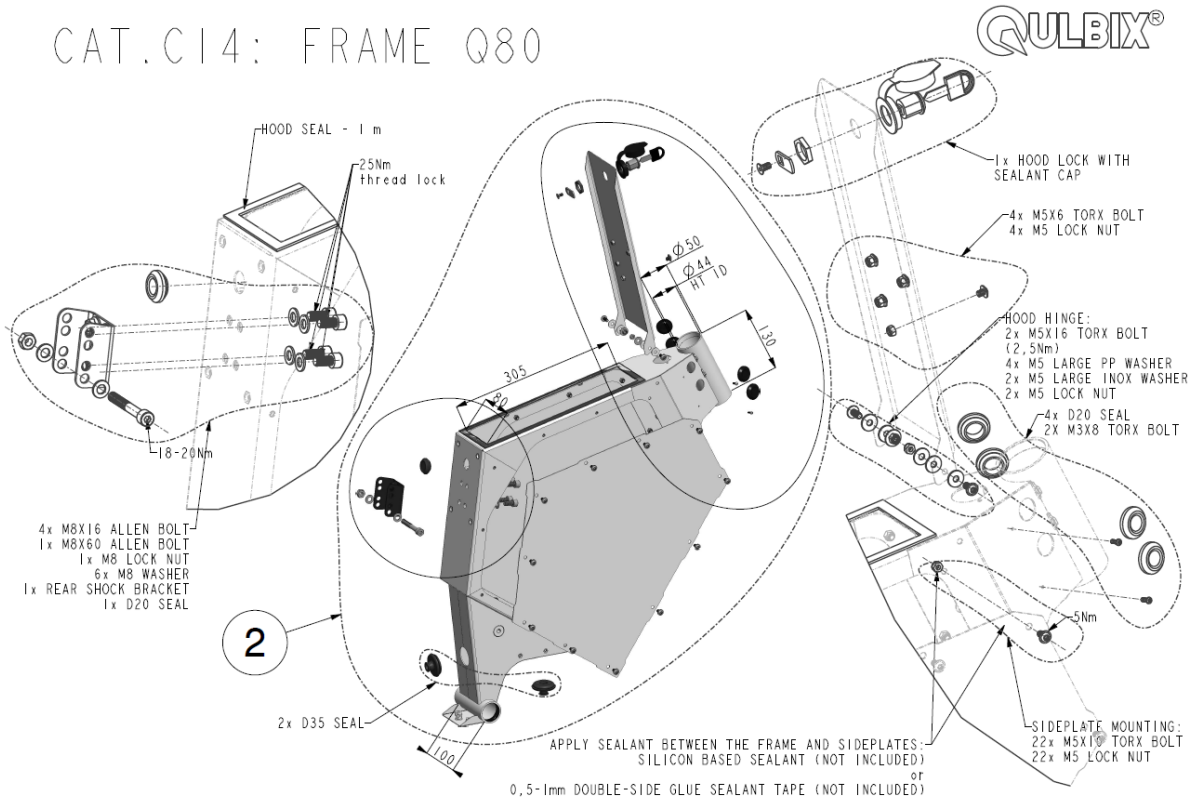
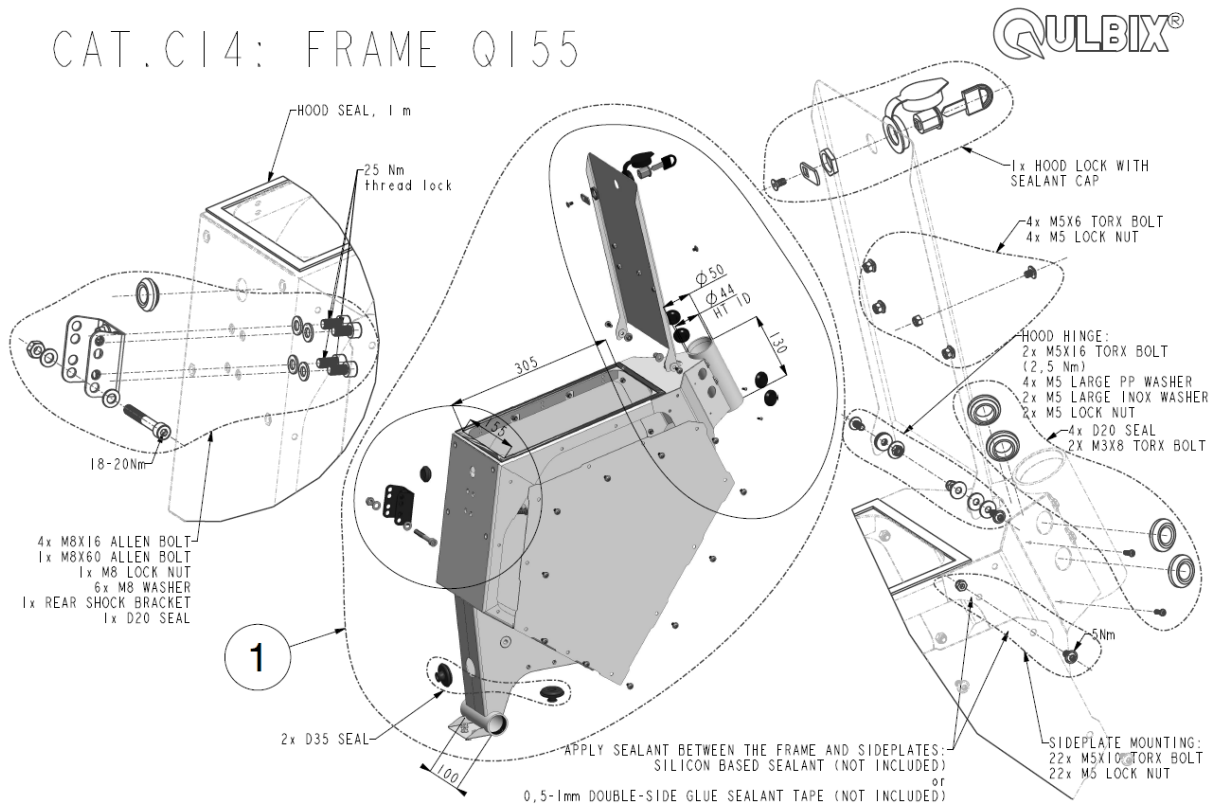
Qulbix®

CAT. 16: Frame Q80/Q155 (1,2)

NOTE: Not all items shown in the manual are part of the Frame kit, they are shown for assembly purposes.





Headset bearing installation

Apply grease.

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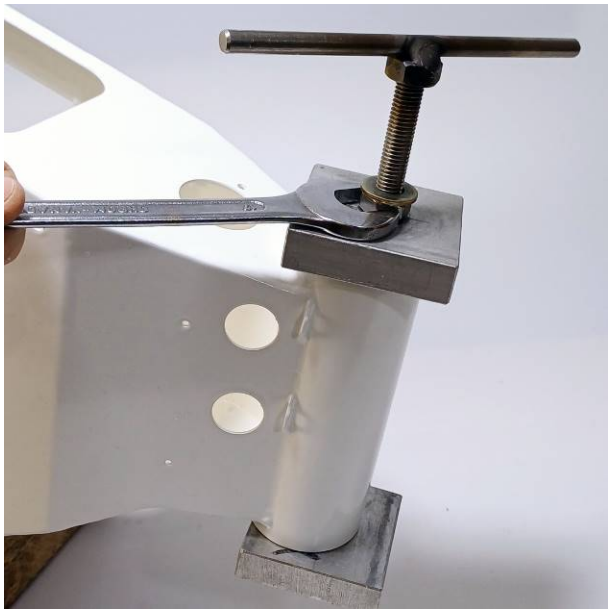
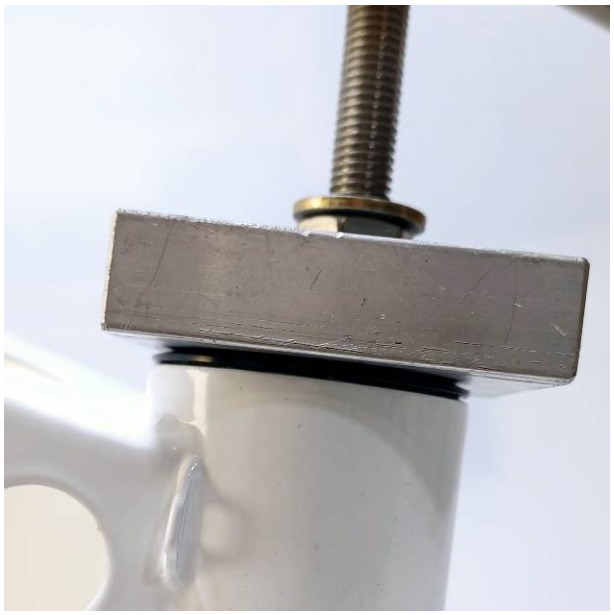
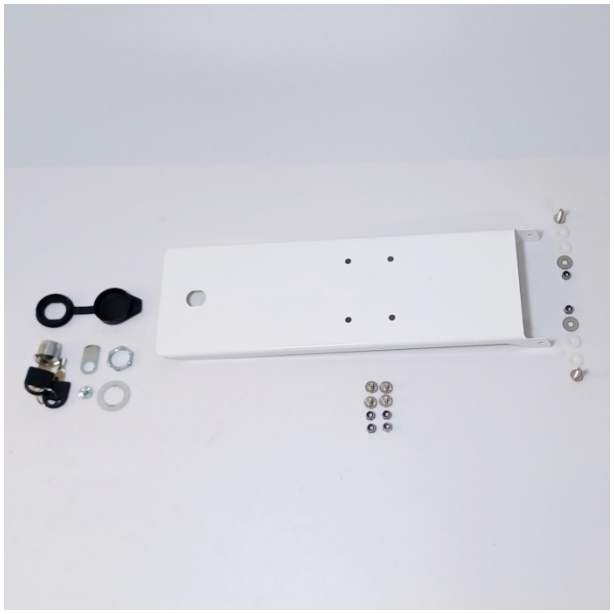


Use bearing press tool to install.



Hood installation



Hooks of the washer must be facing away from the hood.

Tighten firmly.

Use thread lock on the thread inside.

Tighten firmly.

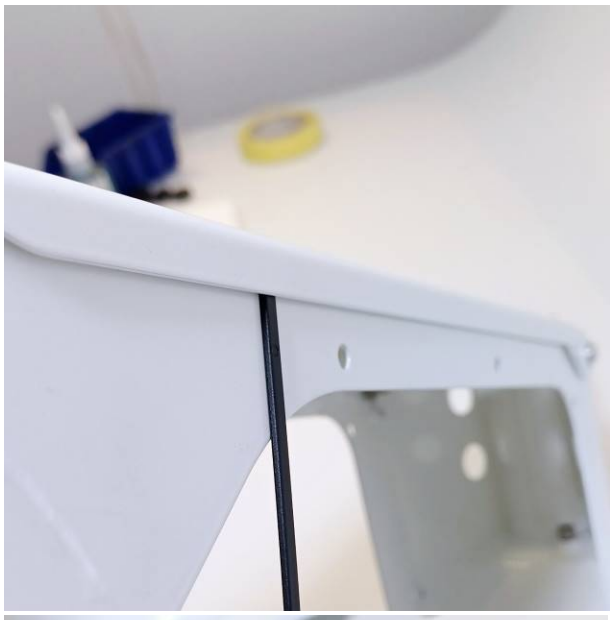
Check operation. Open position.

Closed position.

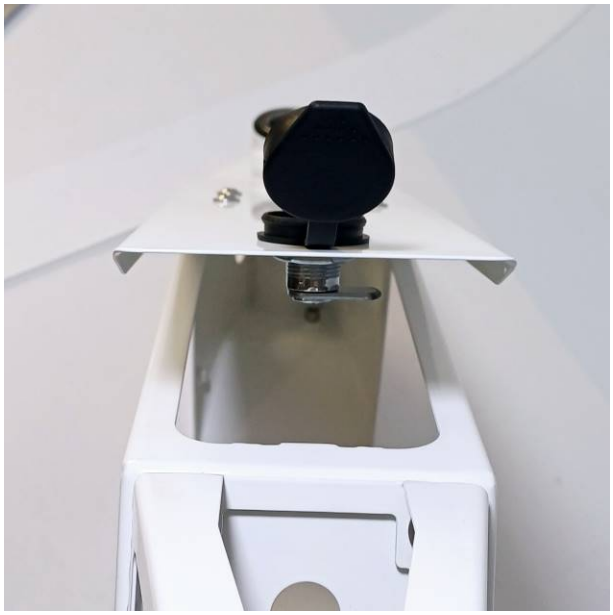

Waterproof cap – closed position.


Close the holes with M5x6 Torx bolt and M5 lock nuts. If the moto seat is going to be installed, use these 4 bolts to secure the moto seat from below.

Use a zip tie to adjust the spacing evenly. Put the zip tie on top of the frame and close the hood, so it positions itseld evenly.



Tighten – 2,5 Nm (+/-0,5 Nm). Test the movement of the hood – it must be smooth, with some resistance.

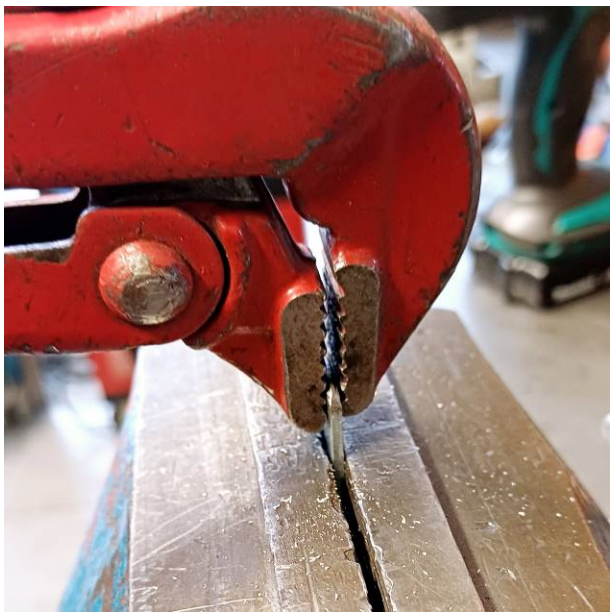


The hood without the moto seat must stay vertical on itself.

Before applying the seal check the spacing.

Required spacing: 2-3 mm.

Required spacing: 2-3 mm.


If the spacing is not as required bend the lock lever to reduce or increase the gap.

Re-install the lever and re-check the gap until is as required.

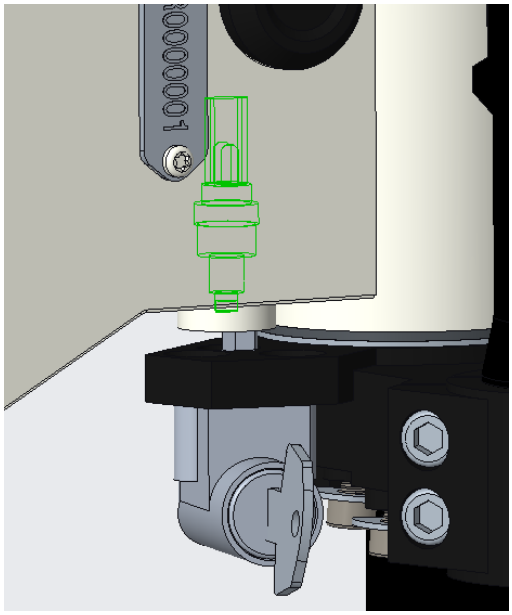
Clean the surface before applying the seal.


Bumper sticker application.


Clean the surface.


Apply the bumper stickers – use open hood for the reference.


Test the contact.

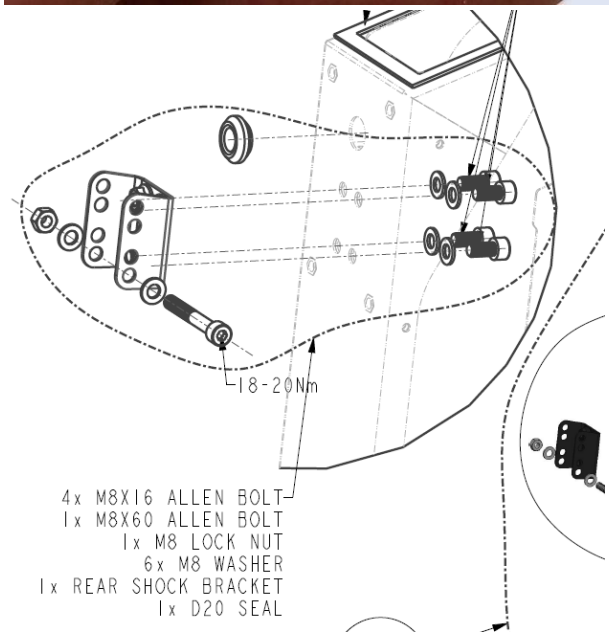


Close the plug hole with M6x6 bolt in case that the second switch is not used:

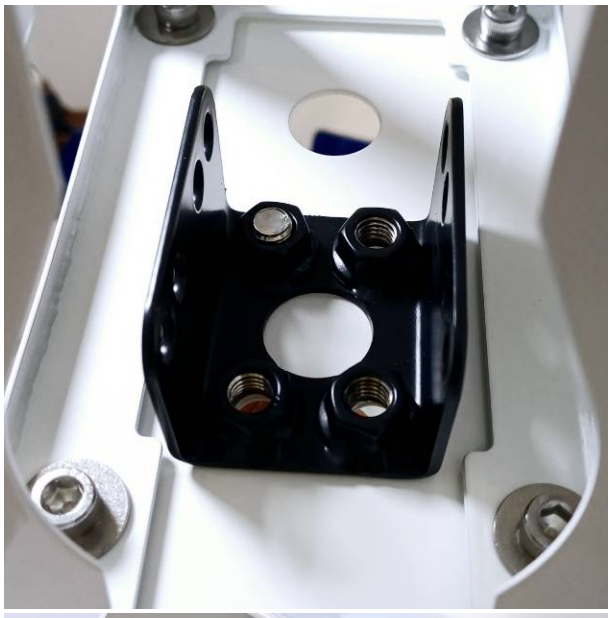
Close the M3 holes for the VIN plate.

Rear shock bracket installation

Apply the thread lock.



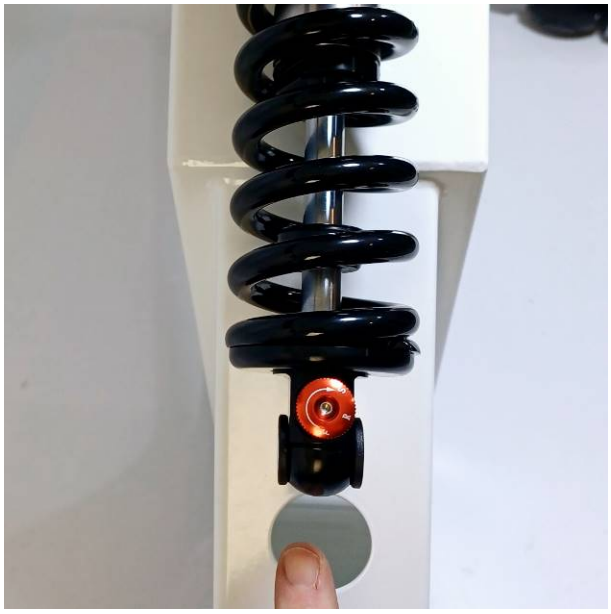
Orient the bracket like on the drawing. A reverse orientation is also possible – for taller riders.



Inser all 4 bolts and slightly tighten – leave some slack so the bracket can still be moved (for fine adjustment).

Use the shock to position the bracket.

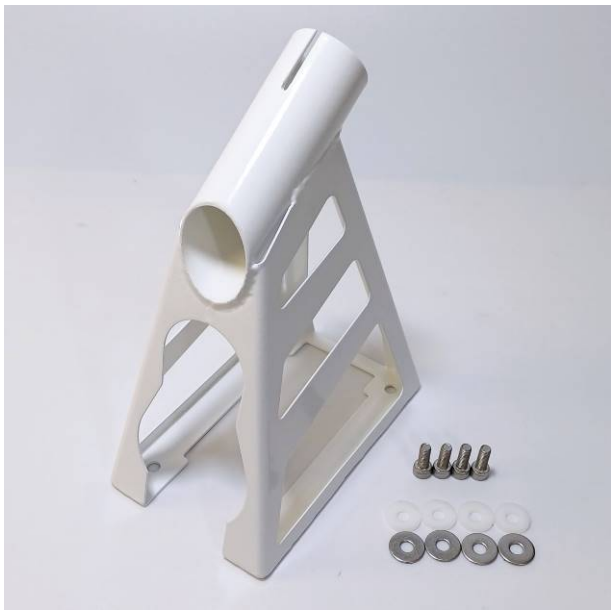
Tighten: 18-20Nm



Align with the center of the frame

Now fully tighten (all bolts): 25Nm

Bicycle (moto) seat subframe installation:



Use PP washer between the frame and subframe.

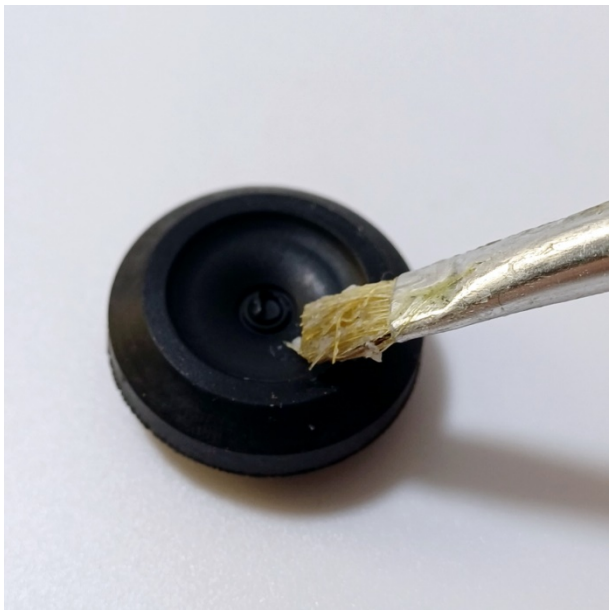
Tighten – moderate to strong. Use L-shaped Allen key (hex key) tool.

Maximum protrusion of the seat tube: 13 mm. Cut the seat tube to desired length.


Adjust and tighten the seat clamp.

Rubber seals - installation:

Make small D2 mm holes into the D20 grommets – as many as required. A maximum of 3 holes per grommet is advised.



Use tire installation lubricant for easy installation. Do not use mineral oil or grease.


D35 seal with motor cable.

Ignition (key) switch installation:

Add silicone to achieve a watertight fit.

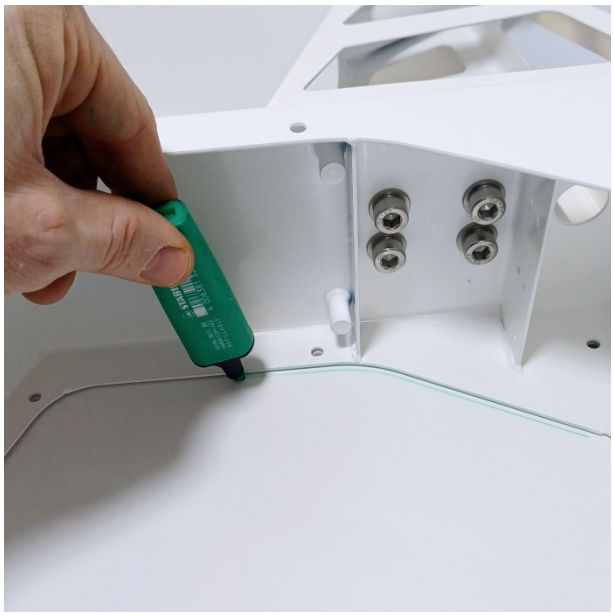

Tighten, wait for the silicone to harden, and then remove the residue.

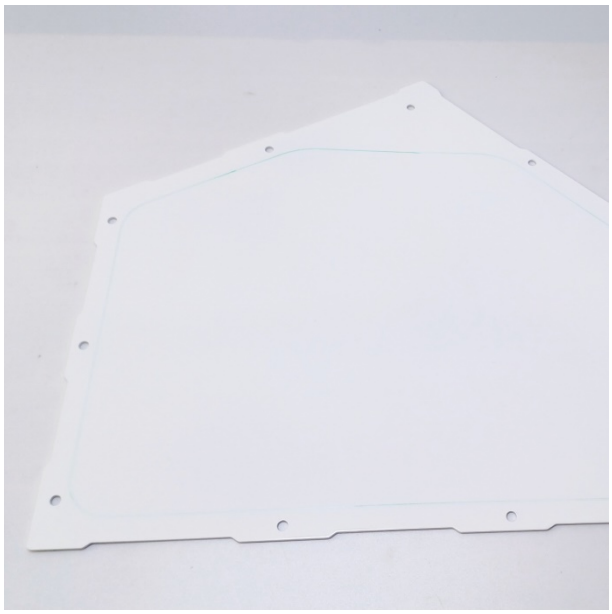
Battery Padding for Secure Positioning

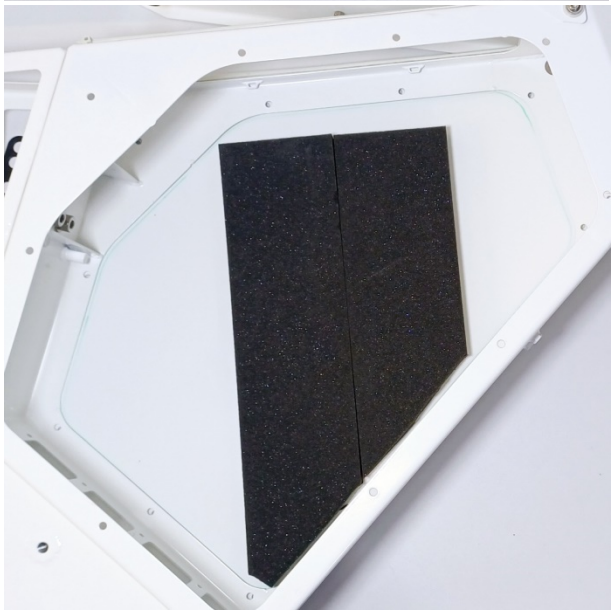
To ensure your battery is securely positioned in the frame, it needs foam or similar padding. The foam helps dampen vibrations and provides a snug fit for the battery. You can order the Qulbix battery with pre-designed padding, or create your own custom solution. Use a quality adhesive to fix the padding in place.

For custom padding, you'll need:

- Side Padding: Stabilizes the battery laterally to prevent side-to-side movement.
- Bottom Padding: Provides cushioning and support. This is the most critical padding, as it bears the greatest stress. Use slightly denser foam for durability.
- Top Padding (Hood): Similar to bottom padding, it ensures the battery is firmly pushed downward, securing it in place.Proper padding is essential for safe and reliable performance.


Mark a frame line on the sideplate.




Apply the side padding inside the lines.

Top padding.

Bottom padding.

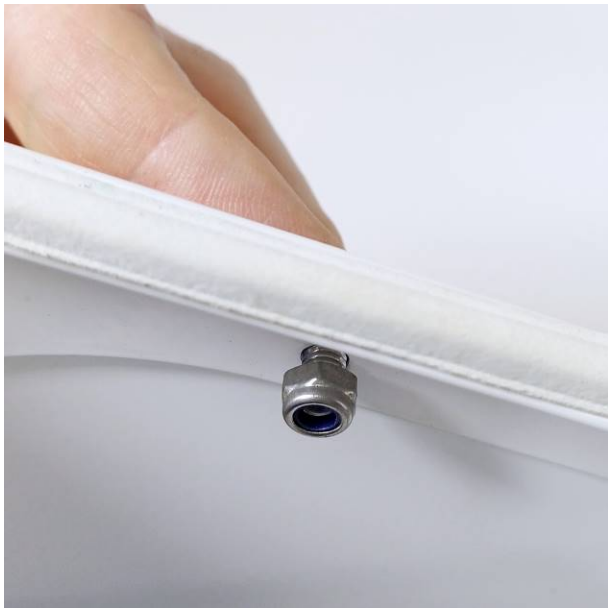
Side-plates installation

Note: side-plates are a structural part of the frame and need to be mounted properly. Use of the frame without sideplates is not allowed.


Side-plates with mounting material.

or


Sealing the sideplates:
you can use silicon or double side adhesive 1 mm thick foam seal. Use the line you draw before as a guide for sealant application.



Tighten (firmly) – 5 Nm.