PLAYSEAT CHALLENGE LOCK-MOD

KEYBOARD MOUNT

Assembly Manual

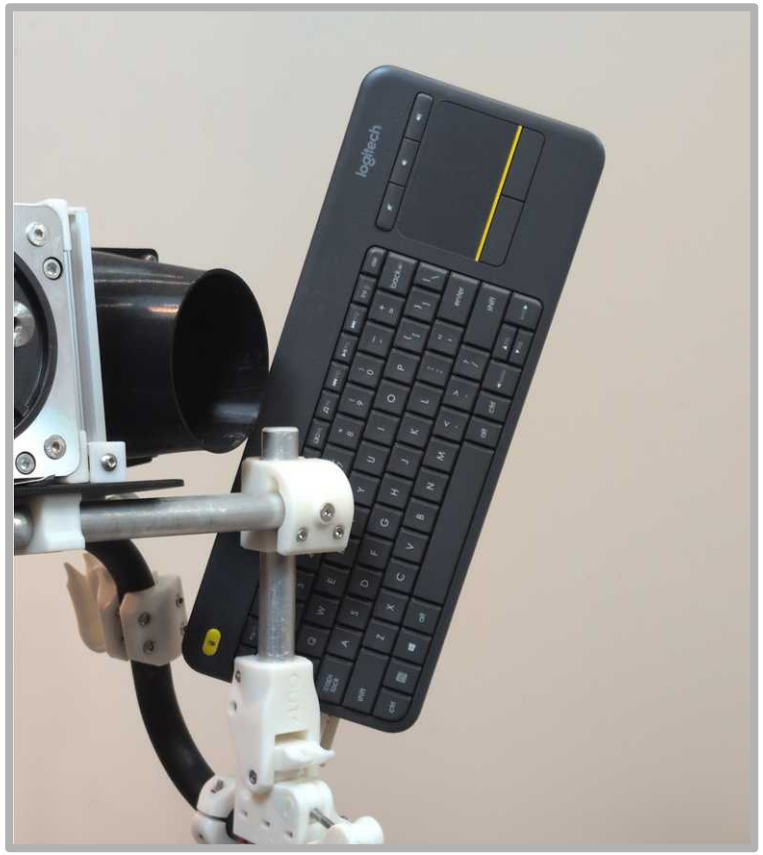
About

This is the assembly guide for the Lock-Mod: Keyboard Mount. This mod is allows convenient use of a keyboard (or any light duty peripheral) without impacting the Playseat Challenge's folding capabilities.

Designed to be used with the Playseat Challenge: Lock-Mod kit, or as a standalone unit with just the Playseat Challenge.

Note:

This Lock-Mod accessory is not compatible with the Playseat Challenge X (Logitech edition). Kits compatible with this latest product will be released as the Lock-Mod X.



Contents

Tools

To assemble the Lock-Mod: Keyboard Mount, you'll need a pair of **M3 and M4 hex keys**. The primary Lock-Mod kit comes with a torque wrench that includes these hex keys, but you'll need to use your own if purchasing this as a standalone upgrade (or purchase the Lock-Mod torque wrench in your order as an extra).

It is recommended to use a torque wrench when assembling your kit to avoid over-torquing the fasteners, which can cause parts to fail. This assembly manual has an accompanying torque guide with the relevant values for each part, which you can find **here**.

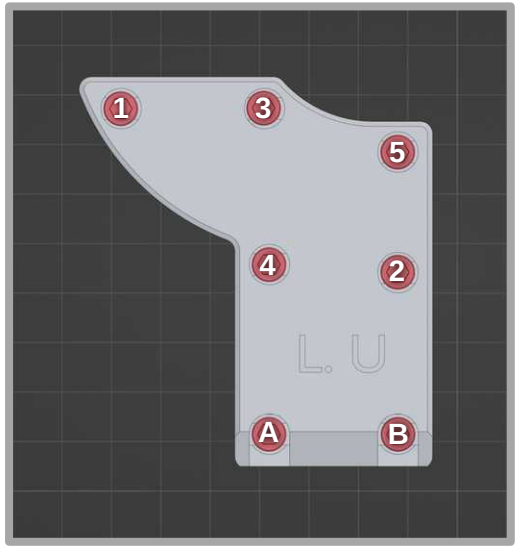
If assembling your kit without a torque wrench, The guide should still be referenced to help contextualise which bolts need more/less tension. To reduce the chance of breaking parts with excessive force start with less tightening force than you feel is needed. This can be further tightened if needed after testing your rig.

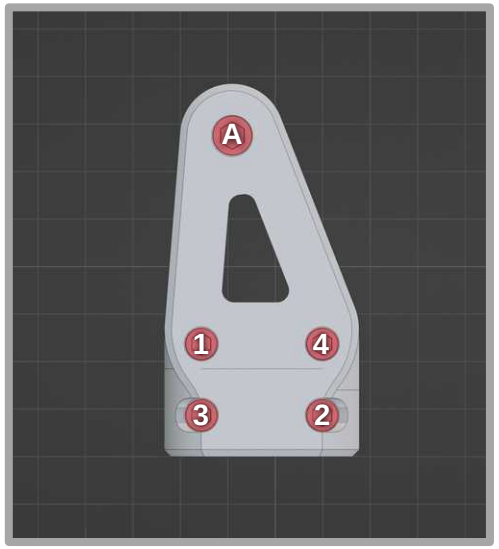
Additional Assembly Information

Cross Pattern Tightening

Where applicable, bolts should be tightened with cross pattern tightening. This applies to parts where multiple bolts are sharing a load, and involves incrementally increasing the torque while jumping between (roughly) opposite sides of the part. Doing this when assembling (or disassembling) a part will ensure a single bolt doesn't become over-strained, which can cause the thread/nut to seize up.

Examples of the cross pattern sequence are illustrated below. Note that this sequence will be repeated many times as you bring the bolts up to their final torque rating.





Care Instructions & Warranty

Care Instructions

- Storing the kit in temperatures above 53° C or 127 F should be avoided to avoid parts from warping.

Warranty

This keyboard mount system comes with a 2-year warranty from the date of purchase, and it covers any failures resulting from reasonable use. Reasonable in this case assumes:

- All instructions in the assembly manual are followed.
- Peripherals attached to the mount are 'light duty' only. This refers to keyboards, button boxes, or any control hardware that doesn't have strong tactile feedback. Shifters, handbrakes, or anything that requires force to actuate will damage this mounting system.

If these points are not adhered to the longevity of the Lock-Mod cannot be guaranteed.

If any problems are encountered with the kit, use the contact found here:

https://psyskip.com/about/

Kit Contents

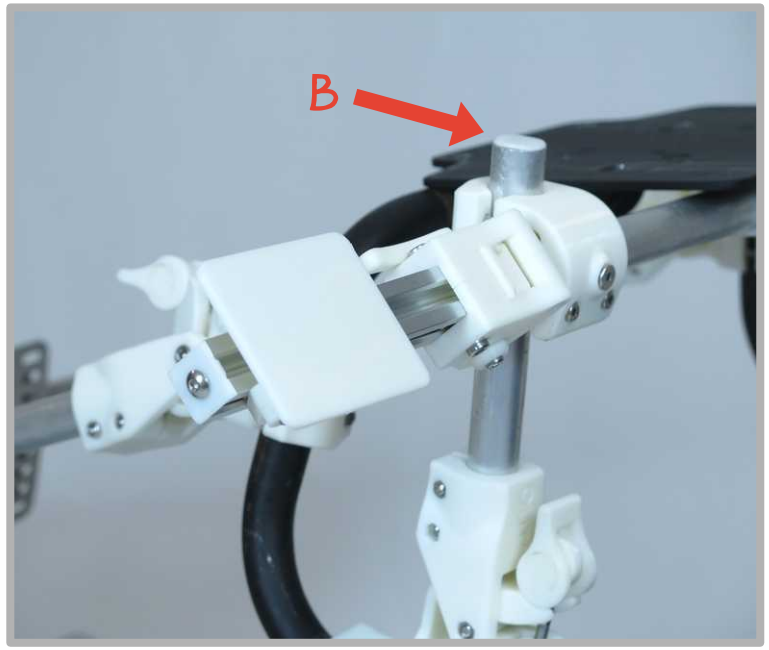
The Lock-Mod: Keyboard Mount kit includes the 'base' keyboard mount that interfaces directly with the wheelbase tubing on the PSC: Lock-Mod kit, with additional QR interface clamps available to use without the Lock-Mod kit or to give alternate mounting options.

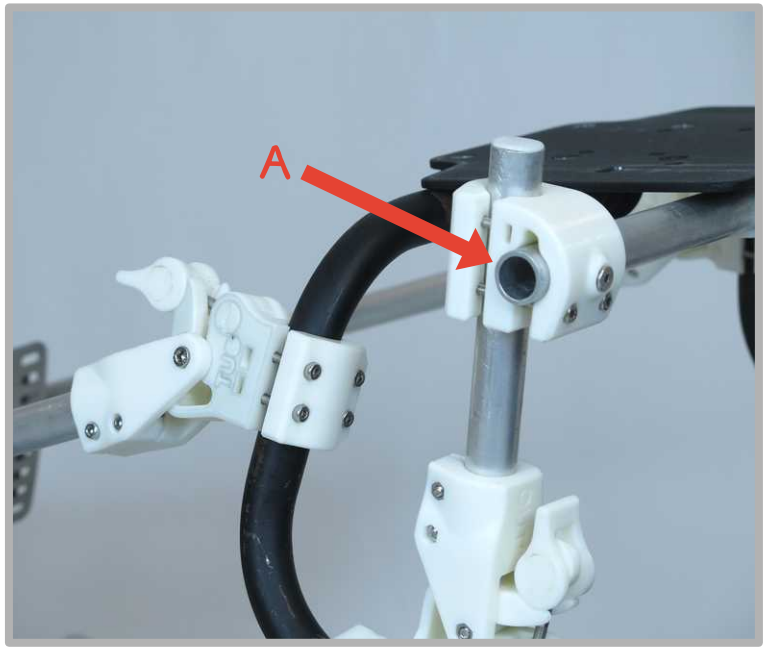
1.A. Base Keyboard Mount that can be used with the Lock-Mod kit.

1.B. Optional QR interface clamps that enables Keyboard Mount to be used without Lock-Mod or in alternate positions.

Mounting With the Lock-Mod Kit

The quick release of the Keyboard Mount is designed to interface with the 20mm tubing that makes up the wheelbase structure of the PSC: Lock-Mod. In the standard (close) wheelbase configuration provides convenient locations for the Keyboard Mount when in use (A) and when stowed for folding (B). The angle of the Keyboard Mount can be adjusted easily by rotating the QR in the tubing and locked in position with the lever.



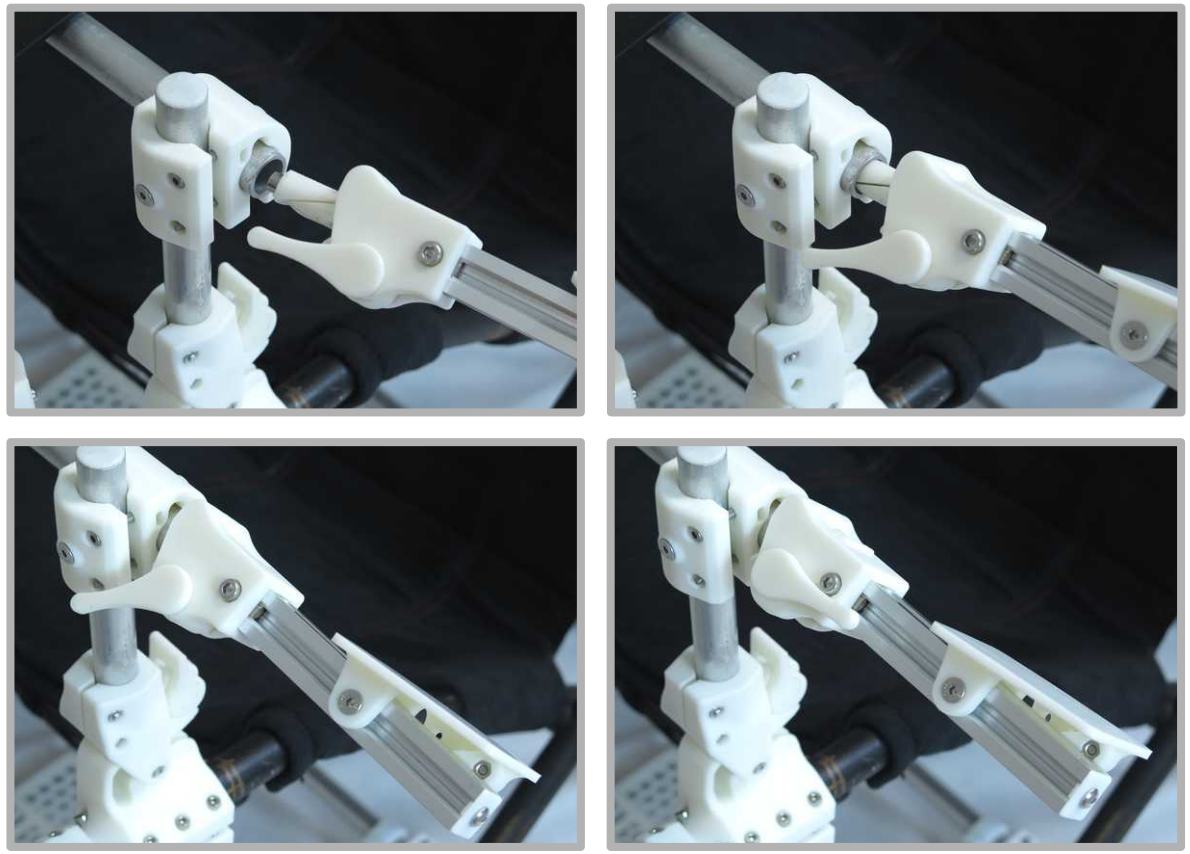


The keyboard can also disconnected and used on your lap when not racing, for easier typing.

To secure the Keyboard Mount, insert the expanding cam shaft into the 20mm tubing and lock the lever so it's facing away from the rig.

The amount of tension on the lock action can be adjusted by loosening or tightening the bolt at the end of the expanding cam shaft, but excessive force should be avoided (refer to the torque guide for more information).

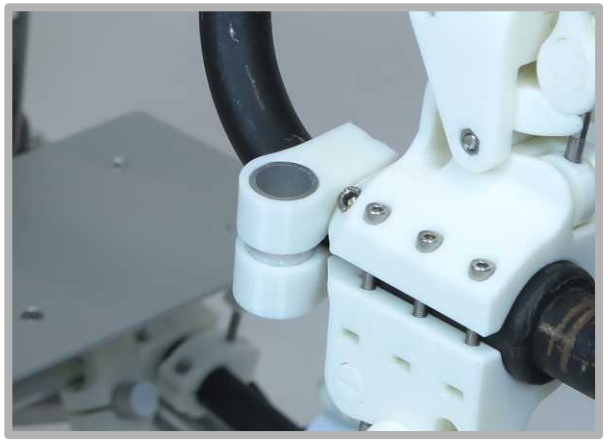
If the keyboard mount doesn't go into the tubing easily at first the expanding cam shaft may become misaligned. Cycling the locking lever should reset the expanding cam shaft and allow it to be mounted.

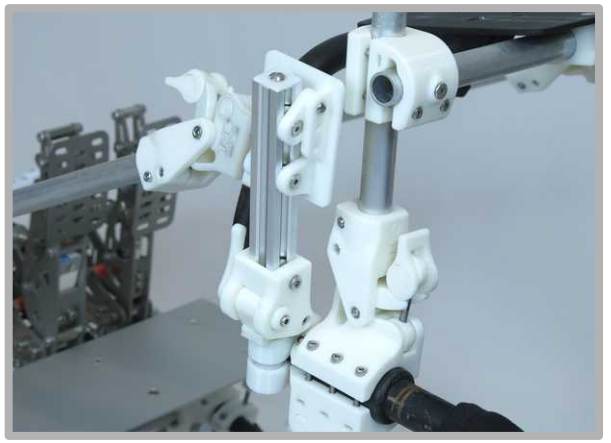


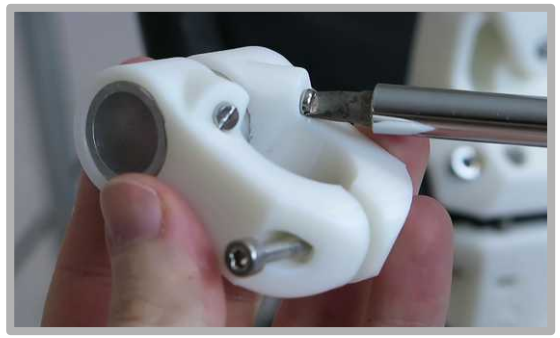
Mounting with Additional Interface Clamps

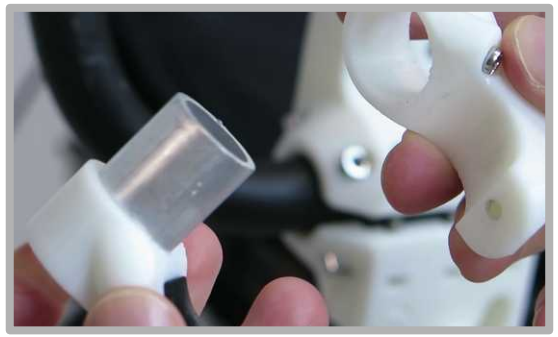
If additional mounting positions are needed then extra QR interfaces can be added to your order. These are needed if not using the full Lock-Mod kit, or with the reversed (far) wheelbase configuration.

These can be clamped to the PSC frame or the Lock-Mod tubing, allowing for a greater variety of position options.

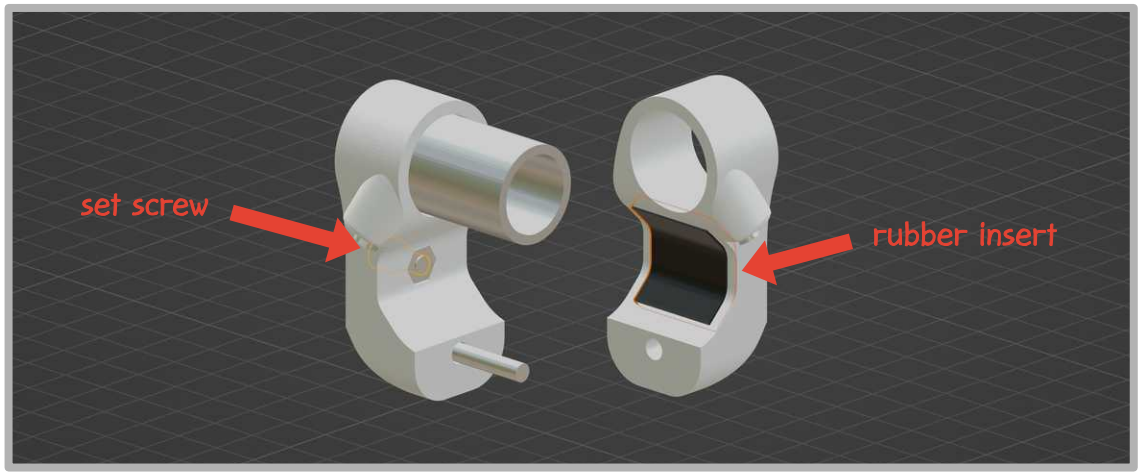








Open the QR interface clamp by loosening the clamping bolt and one of the set screws that locks the aluminium tubing in place.

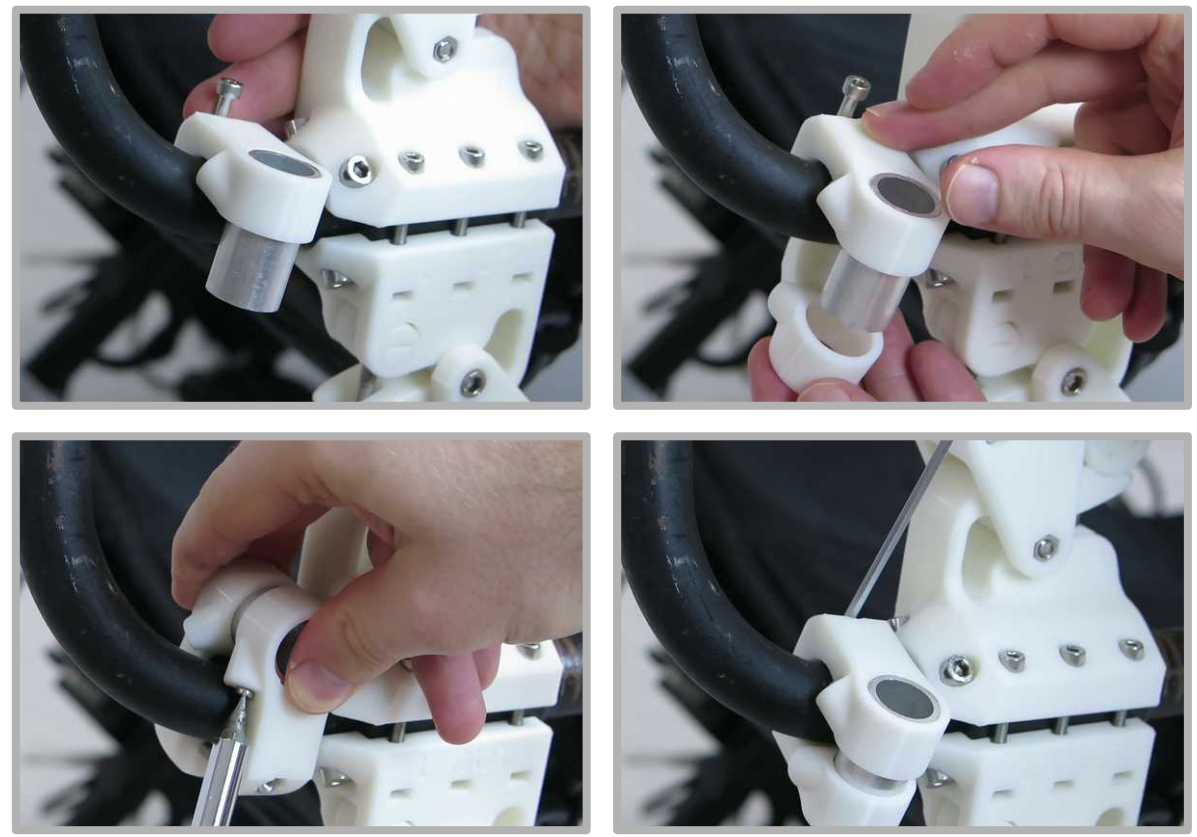


To prevent the clamp from slipping a rubber insert and a set screw are included. For maximum rigidity, leave the rubber strip off and tighten the set screw. To avoid marks on the frame from the set screw, insert the rubber strip into the matching inset. Using both will reduce rigidity in comparison to just using the set screw.

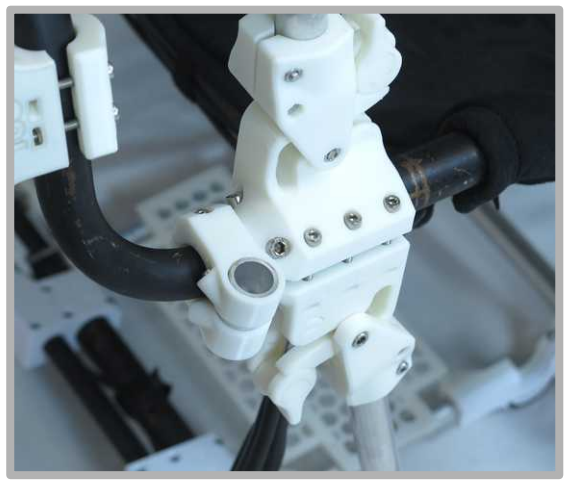
If using the rubber insert, place it in the clamp before attaching both sides of the clamp over the frame/tubing. To secure the clamp in place, pinch the two clamps together where the aluminium insert is and re-tighten the set screw. Ensure that there is no movement between the aluminium insert and the plastic by gently twisting the two clamp halves against each other.

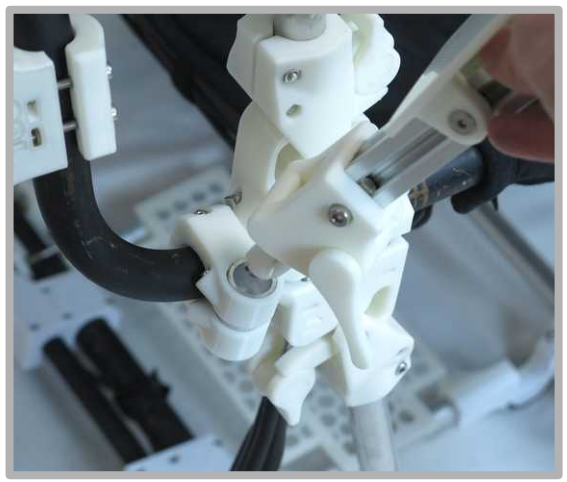
Once the set screws are secure, set the desired angle of the QR clamp and tighten the clamp bolt. There should be no movement between the clamp and the frame.

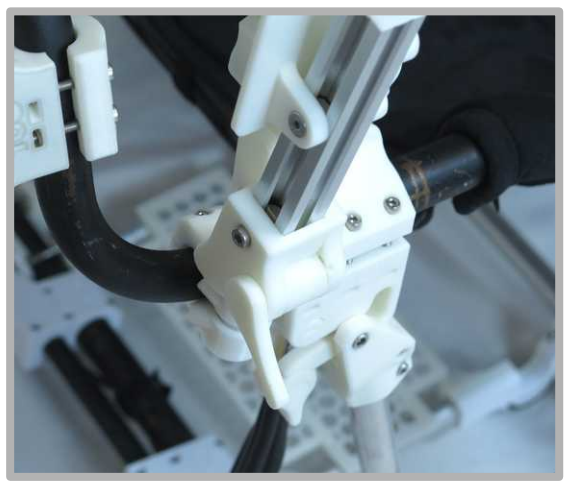
If using the set screw to secure the clamp, it can now be tightened to spec.

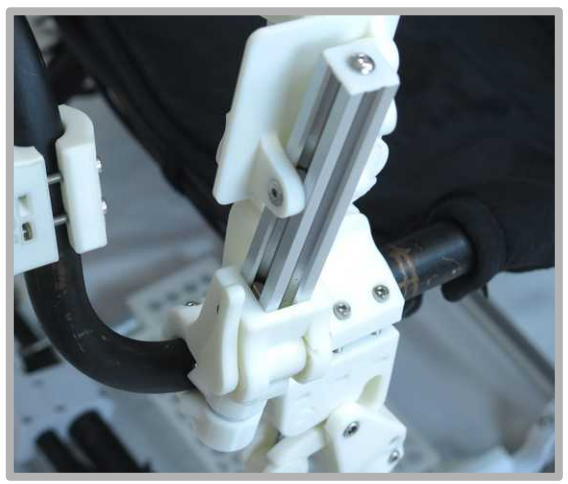


The Keyboard Mount locks in the same way with the QR interface clamps as the wheelbase tubing. The final position should be set when the rig is folded to ensure proper clearance.









Attaching Peripheral to Keyboard Mount

Before attaching your chosen peripheral with the double sided tape, do a dry fit and adjust the angle of the mounting plate as needed. Sitting in the rig while positioning the peripheral will give you a better idea of how it will feel to use. A good position is generally as close as possible to the user while not interfering with hand movement while driving.

The surface of the peripheral needs to be clean and dry before attaching to the keyboard mount to ensure the double sided tape holds. Once attached, the keyboard mount can be unmounted so that the peripheral can be firmly pressed into the double sided tape.