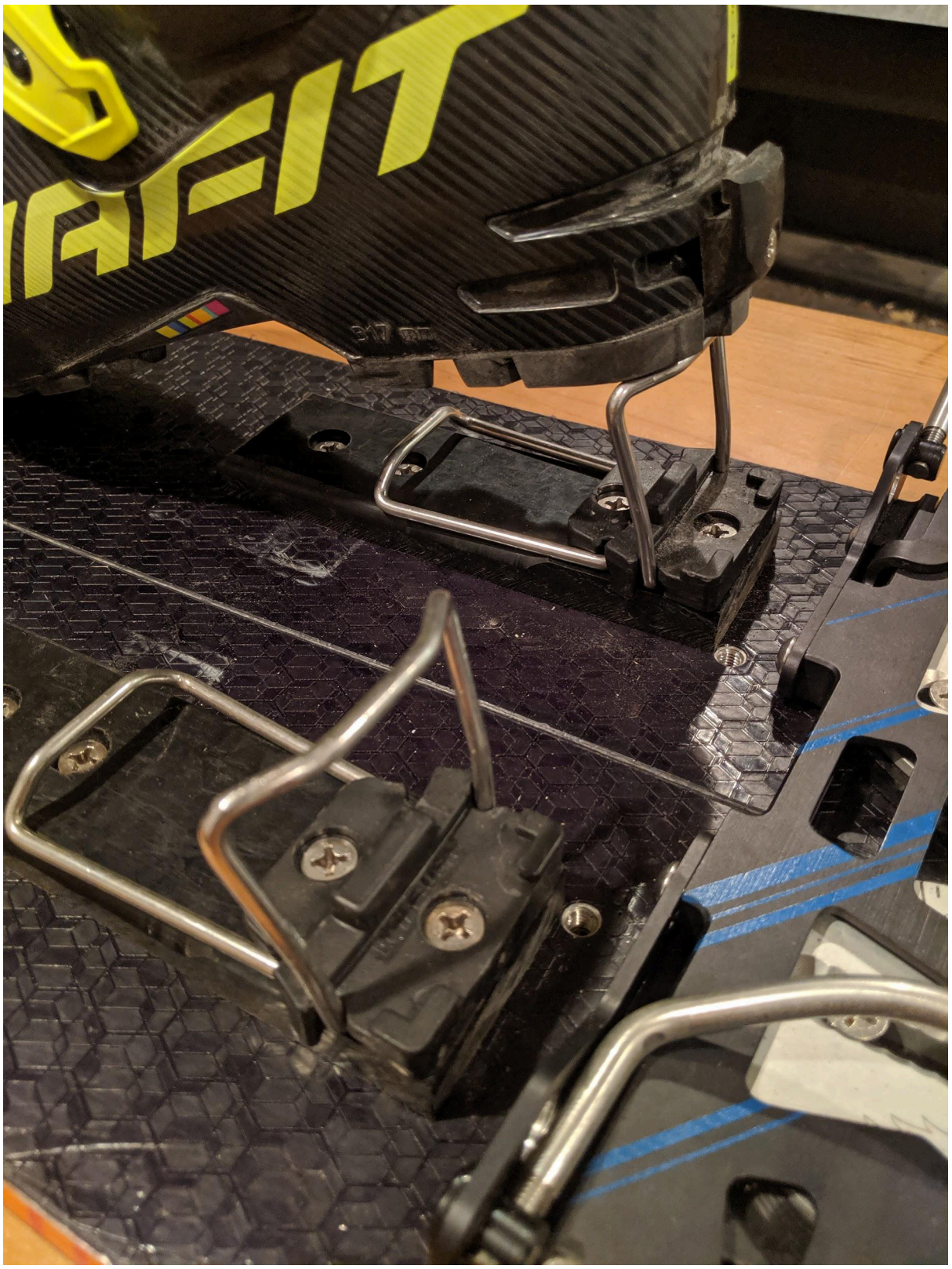
DIY Splitboard hard boot heel lock: use at your own risk.
*As of yet untested in the backco and will probably need further tweaks, may cause injury or death.
*The steps below use power tools that spin sharp metal things really fast, use caution and keep your soft fleshy bits securely attached
*I accept no responsibility for injury to said fleshy bits or death due to following this guide or using the system described herein under any circumstances



Products/tools used:
-Voile dual height heel risers
-10cm x 20cm x 12mm (4"x10"x½") Zytel resin sheet
-vise
-table saw (or mitre saw)

-drill press
-drill bits (¼" or 6.8mm, and 5mm for M6x1 tap) and ½"counter sink bit
-tap and die set (M6x1)
-router
-sander

Steps:
-Remove dual height risers from board and remove the short riser from the plastic retainer
-Place the low riser in a vise and bend/curve the uprights "forward" so the rear-facing curve/sole-contact is plumb over the riser pivot point (the short riser will be reversed from stock to fit around the boot heel, see pic 1). This will place the riser under the boot heel when in climb mode and allow the uprights to more positively engage the heel welt when in lock.
-cut 2 strips of Zytel 5cm (2") wide and 20cm (8") long *for up to 350mm boot sole to use as adapter plates
-place Zytel strips on board and reassembled heel risers flush on the rear of the strips
-clip boot into tech toe and position heel bale snugly around heel welt of the boot (there is ⅛" of vertical play between the heel welt of my Speedfits and the bale)
-use tape or pen to mark the location of the rear of heel riser/adapter plate assembly
-remove boot and riser assembly from the board and measure from the mark to the factory heel riser inserts on your board
-drill and counter sink for the adapter plate attachment using the 6.8mm or ¼" bit and countersink using the riser retainer as a spacing guide.
*be careful to only countersink so that your screws protrude below the plate enough to fasten securely to the board but don't bottom out in the factory inserts. At this point you can trim the excess length off the front of the adapter plate, off-cuts can be used for heel clips
-place the plastic riser retainer on rear of adapter plate and mark hole locations, double checking the location by fastening the plate to the board and positioning the boot again is probably a good call at this point.
-once certain of the heel riser assembly location, remove the plate from the board and drill holes using the 5mm bit from a tap and die set, then tap the holes using the M6x1 tap
-assemble on board and check fitment!

- I removed the factory heel insert from my Dynafit boots and made a Zytel heel "clip" which fits into the insert location and is fastened with a single screw. It is rabbeted (notched) to extend ¼" higher than the original insert, ⅛" above the heel welt. This clip aids in keeping the heel bail in place during lateral flexing. I then used a belt sander to shape the pieces.
- I used a router to soften the edges of the adapter plate, you could also use a router table to machine a slot into the plate to allow for fore/aft adjustment instead of drilling fixed location holes to match the factory inserts.
- Instead of tapping the rear screw holes you could counter sink the underside to accept a nut

Feel free to ask questions or share tips and tweaks. I have only tried this with the equipment mentioned so am unsure how it will translate to different brands/models of boots or risers.