TAP RC8 Errata, notes, etc

Welcome to Tap RC8. This is a full reprint from Tap RC6.

Wait! What happened to RC7? the last thing you published was RC6!
RC7....didn't make it. From its ashes, RC8 arose. As we all know, eight is great.

Here's what changed:

One of the big changes is you can now use either a pair of magnets or a pair of FHCS in Tap_front. The stronger the pull force, the more resistant to ringing, but also the more potential to marring your Build surface.

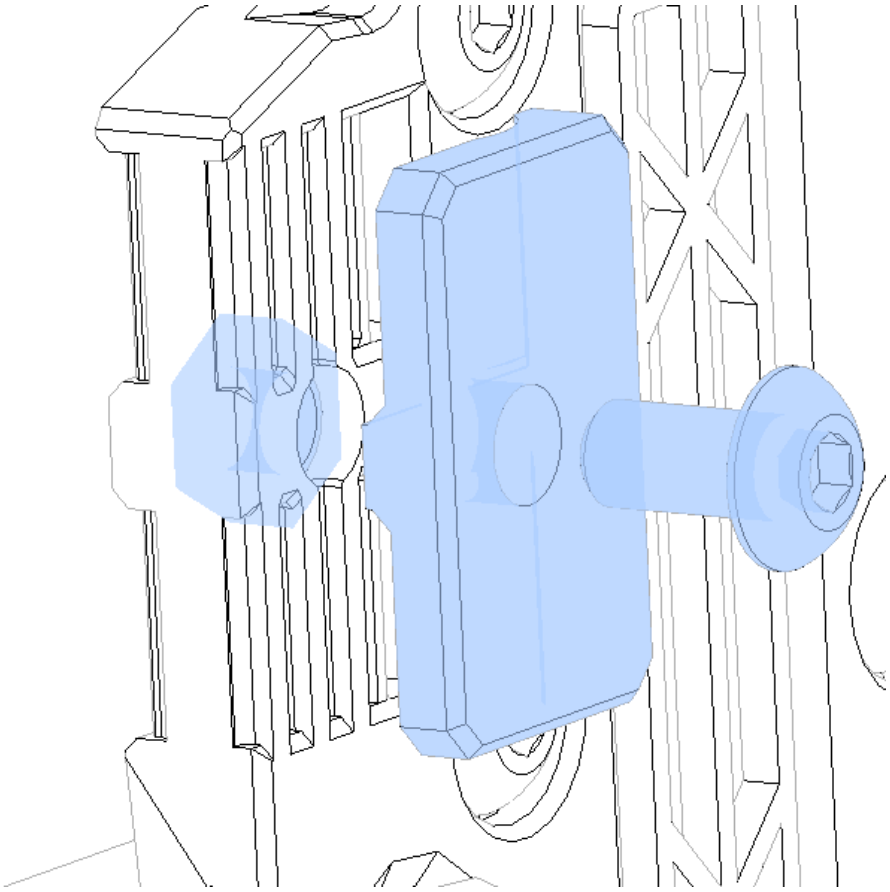
here are my reccommendations. this is a guideline only, your mileage may vary, caveat emptor, barba crescit caput nescit.

Build surface	Trigger force (approx)	Configuration	Max Accels
Flat PEI sticker	750 g	2 N35 magnets + 2 FHCS	5000 mm/sˆ2
Powder coat PEI	1400g	4 N52 Magnets	10000 mm/sˆ2

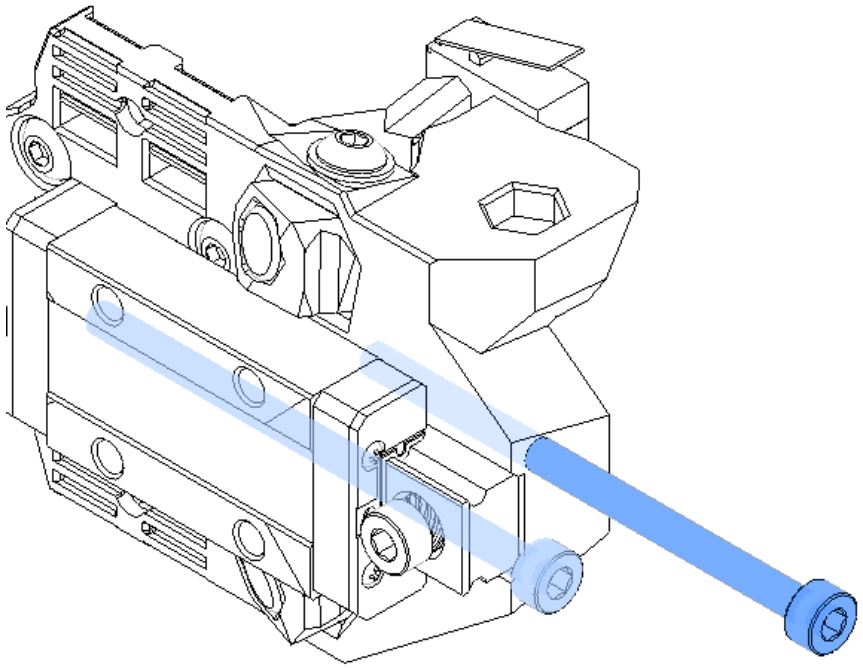
Other than possibly wanting more or stronger magnets, here's what you will need in addition to the original Tap BOM:

Qty	Description	Notes
2	M3x50 BHCS or SHCS	Threaded the entire length. you can get by without these, or with M3x40's.
1	M3x16 SHCS	Replaces a M3x12 SHCS securing the rail.
2	M3x8 BHCS	Used with belt covers
2	M3 nuts	Used with belt covers
2	M3 washers	Used with belt covers
11-12	M3 Heatset inserts	This depends on your ability to reclaim heatsets from the existing parts. If you can, you won't need any additional heatsets.

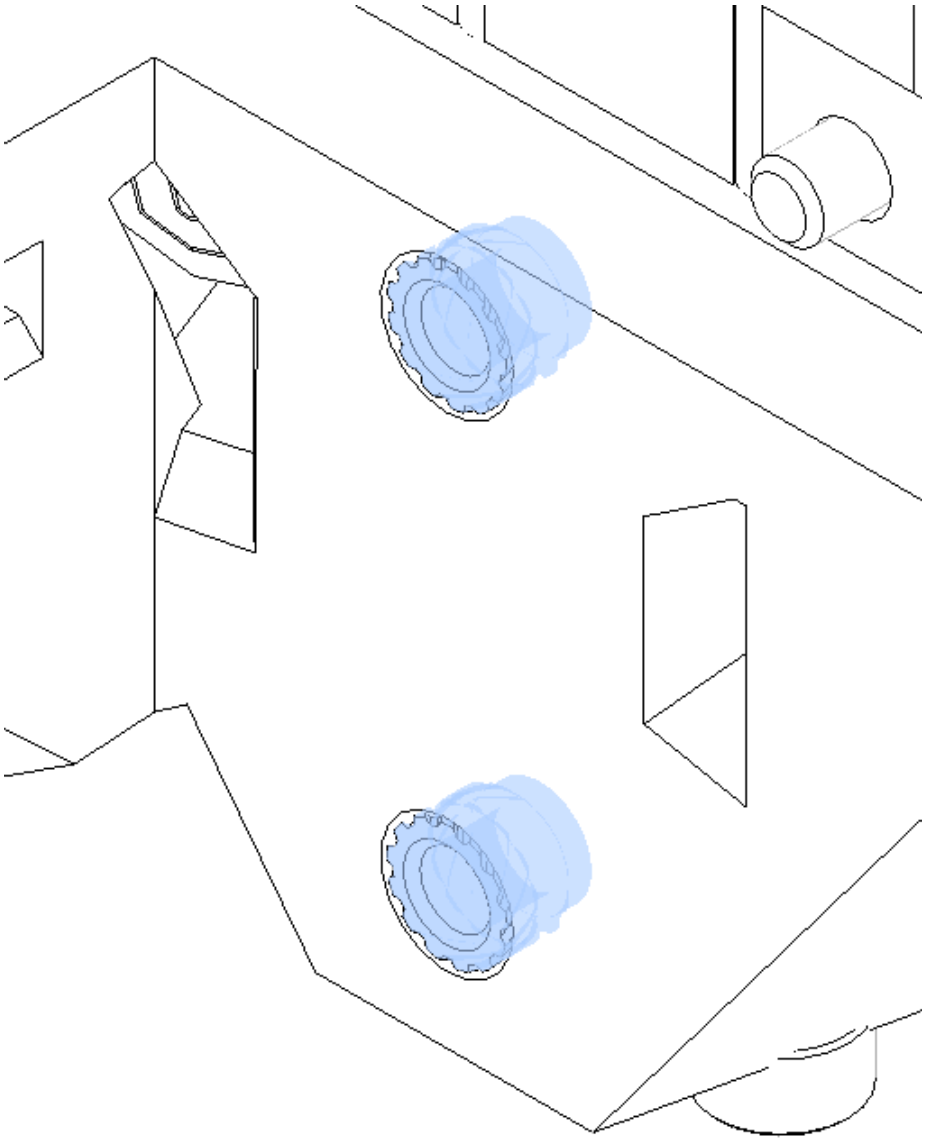
Belt handling:
The belts are now handled by looping around Tap_center, and secured with a printed belt cover and M3x8 BHCS:



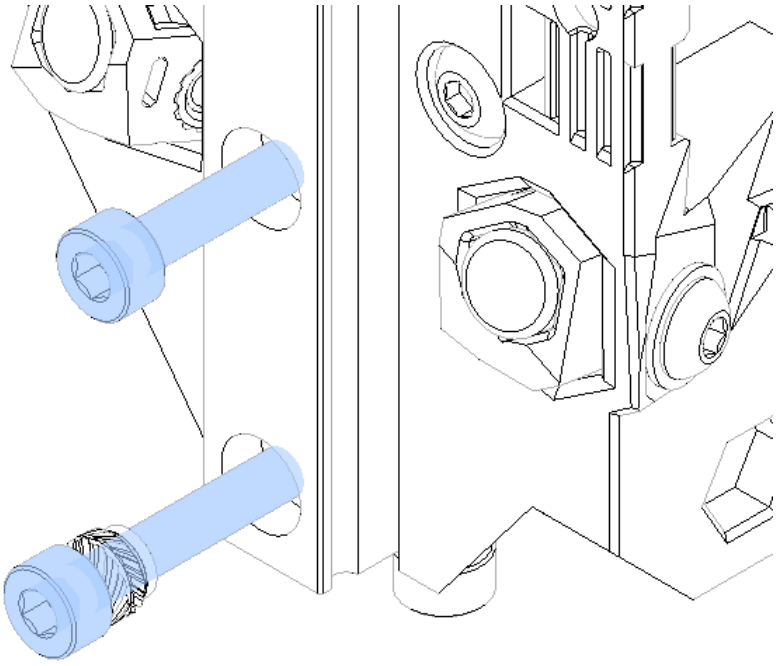
the 2 M3x50 bolts are threaded up into Tap_Center, and serve to provide extra stiffening:



The heatset inserts for the center are moved back 4 mm to provide extra vibration resistance:



So they will need to be secured with M3x12 and M3x16 SHCS:



(The top is still secured by M3x6 SHCS)

Enjoy!