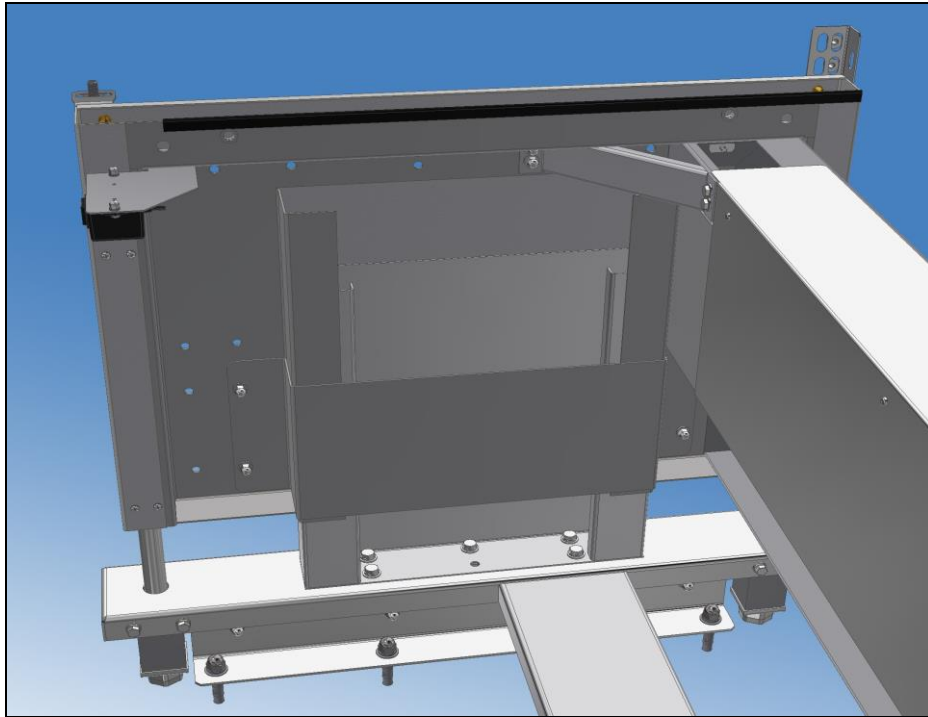




## Floor Mount Seismic Auto Base Stand Additional Installation Notes

### General

The NuAire floor mount seismic auto base stand is designed with additional mechanical structure to minimize X-Y movement during a seismic event. The added mechanical structure design is a reinforced telescoping end panel that is attached to the top of the base plate and as well as the mating telescoping side that is attached to the exterior base stand side panel. There is minimal design tolerance between the telescoping structure for free up/down movement of the base stand and ability of the structure to limit X-Y movement. With the limited tolerance of the telescoping structure, alignment of the telescoping structure is important to assure free movement of the lift.



Alignment of the telescoping structure can be dependent on the installation (see PTB-0366 for referenced installation) of the seismic floor brackets. Or more specifically on any floor imperfections of not being level or flat in the seismic bracket attachment. Floor imperfections of the bracket attachment can alter the base plate position that would directly impact the position of inner telescoping channel potentially causing binding of the telescoping structure of the lift.



## Technical Bulletin: ACCESSORY INFORMATION

### Verify auto base stand function after seismic bracket installation.

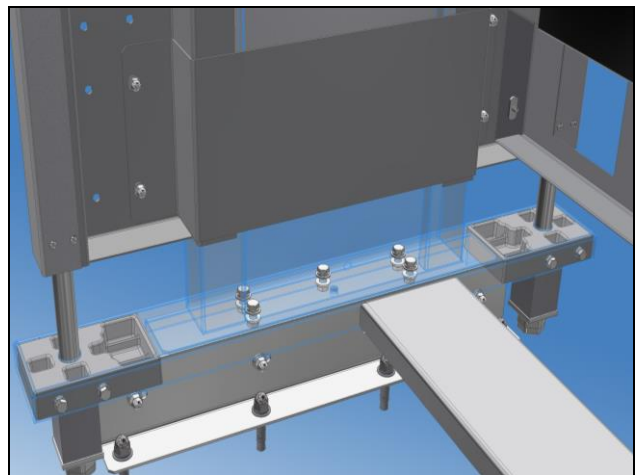
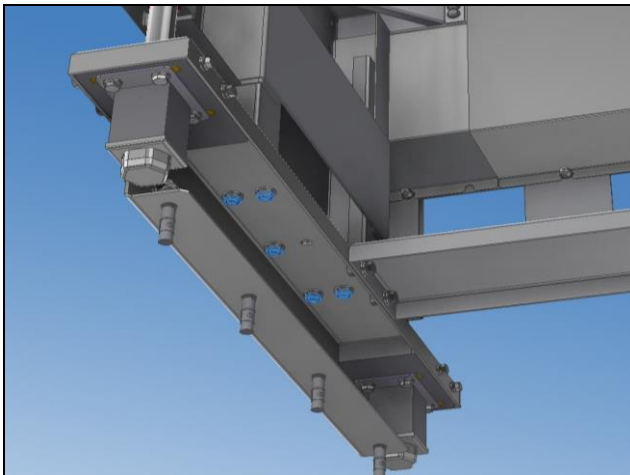
It is required to verify free up/down auto base stand lift movement after installation of the seismic brackets. This is accomplished by simply testing the base stand, with or without a cabinet installed (if testing without a cabinet, since the lift is hydraulic, it will be required to equally push all (4) corners of the base stand back down as the weight of the cabinet would normally do this), raising and lowering to assure full base stand up/down movement without any binding of the telescoping structure.

(Note: binding of the telescoping structure can cause uneven lift and final height position. Although, it is not necessary that all (4) leg cylinders lift evenly, they should raise to a level of +/- ¼ inch from each other in a full position).

If it found that any amount of binding is occurring during the test, steps to mitigate would be the following:

#### Self re-alignment of inner telescoping inner channel

- 1) Raise auto lift to a mid-height level exposing bolt heads attaching the inner telescoping channel to the top base plate.
- 2) Just barely loosen the (5) 3/8-16 bolts on each side of the base stand holding the inner telescoping channel to the top base plate (note: There are nuts under the base plate) so it can move freely.
- 3) Fully raise and lower auto lift and bring back to the mid-point. During auto lift movement, note if the binding was relieved with the inner channel being loose. If the binding was relieved, proceed to tighten the inner channel bolts back up and re-test the up/down movement again.



(Note: It can be advantageous to add a small amount of high-quality lithium grease within the telescoping channels to aid in the free movement of the telescoping structure. The lithium grease should be of food grade quality and NSF listed as referenced below).

<https://www.jetlube.com/product/white-lithium-grease-all-purpose-grease-w-ptfe-h2>



## Technical Bulletin: ACCESSORY INFORMATION

### If self re-alignment didn't relieve telescoping channel binding during full up/down movement

- 1) Continue to loosen more of the lower seismic bracket 3/8-16 bolts frequently checking for free up/down movement. If needed, can proceed to loosen floor anchor nuts, if floor levelness is impacting free up/down movement to that degree.

(Note: It may be required to use SST leveling shims under the floor bracket to assure floor imperfections are not affecting free up/down movement of the lift system)

- 2) Once free movement is achieved, then proceed to re-tighten the bolts, adding shims if found required, and sequentially checking for free movement of the lift system.
- 3) Finally, check and make sure all bolts are tight and lift system operates fully up and down without binding.

### Periodic Preventative Maintenance

As these hydraulic lift systems are used and age, it is important that they are routinely inspected to ensure they remain in a safe operating condition. Please refer to PTB-0351 technical bulletin that details the recommended annual checks that should be performed to ensure safe and effective usage of NuAire hydraulic lift systems.