

UROVOID™ MULTIPLE UNIT MODULAR SYSTEM

UROP-M-MOD

ASSEMBLY GUIDE

DOC-320

Rev. 1.0

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CHAPTER 1 | INTRODUCTION

The UroVoid™ Multiple Unit Modular System is designed to provide a freestanding, efficient means of both containing and sustaining multiple mouse UroVoid™ systems simultaneously. The system offers flexibility in the form of multiple configurations to accommodate up to twelve units simultaneously and provides an easy way to transport them when not in use.

Figure 1.1 – From Left to Right: 2x1, 2x2, 2x3, and 2x4 Packages



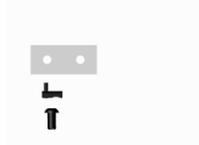
CHAPTER 2 | HARDWARE

The UroVoid Multiple Unit Modular System will contain the kits listed below, each of which consists of the following:

(A) Horizontal Kit

(URO-MOD-M-CKIT-H)

- 4x Horizontal Plates
(AL-T-SLOT-1"-2HOLE-STR-PLATE)
- 8x Roll-In Fasteners
(AL-T-SLOT-1"-ROLL-IN-T-NUTwHDL)
- 8x Screws
(AL-T-SLOT-1"-1/4-20-.5"-BHSCS)



(B) Vertical Kit

(URO-MOD-M-CKIT-V)

- 4x Vertical Leg Assembly
(MSUB-URO-MOD-M-CKIT-V)
- 16x Roll-In Fasteners
(AL-T-SLOT-1"-ROLL-IN-T-NUTwHDL)
- 16x Screws
(AL-T-SLOT-1"-1/4-20-.5"-BHSCS)



(C) Pedestal Kit

(URO-MOD-M-CKIT-P)

- 2x Pedestal Leg Assembly
(MSUB-URO-MOD-M-CKIT-P)
- 2x Pedestal Horizontal Frame Rail
(FAB-URO-M-20P)
- 8x Roll-In Fasteners
(AL-T-SLOT-1"-ROLL-IN-T-NUTwHDL)
- 8x Screws
(AL-T-SLOT-1"-1/4-20-.5"-BHSCS)

(D) Mobility Kit

(URO-MOD-M-CKIT-M)



(E) Foot Plug

(HAR-1 1/4"-SNAP-IN-PLUG)



(F) Corner Cap

(HAR-80/20-1010-PUSH-IN-ENDCAP)

- 1x Fastener
- 1x Cap



(G) Allen Wrench

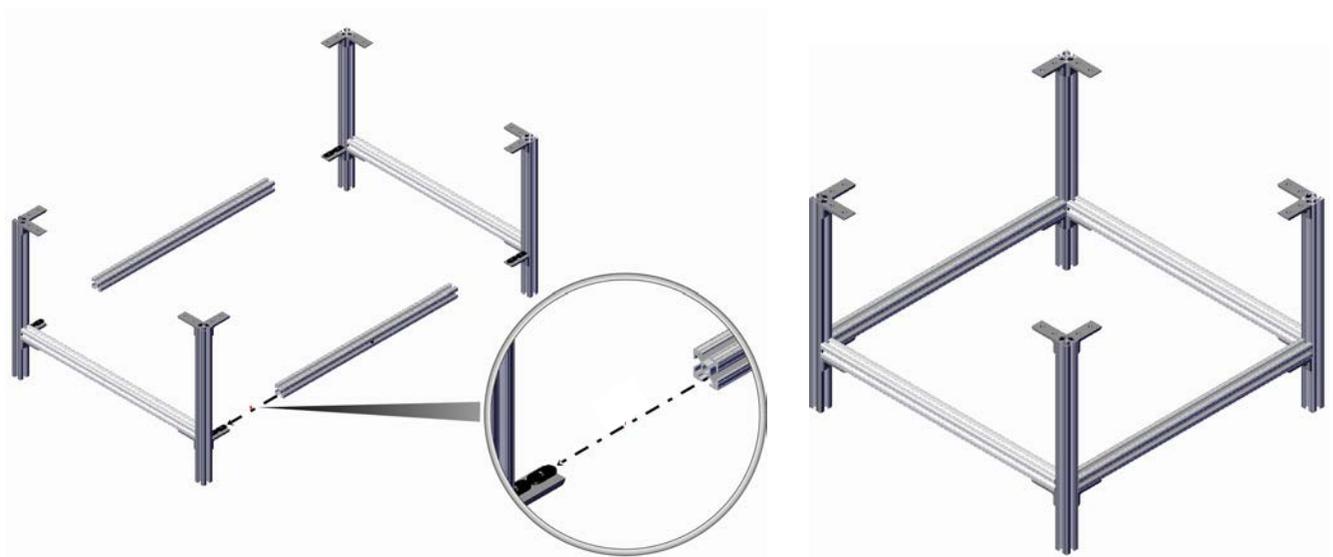
(HAR-ALLEN-KEY-4)



Assembling the Starting Unit

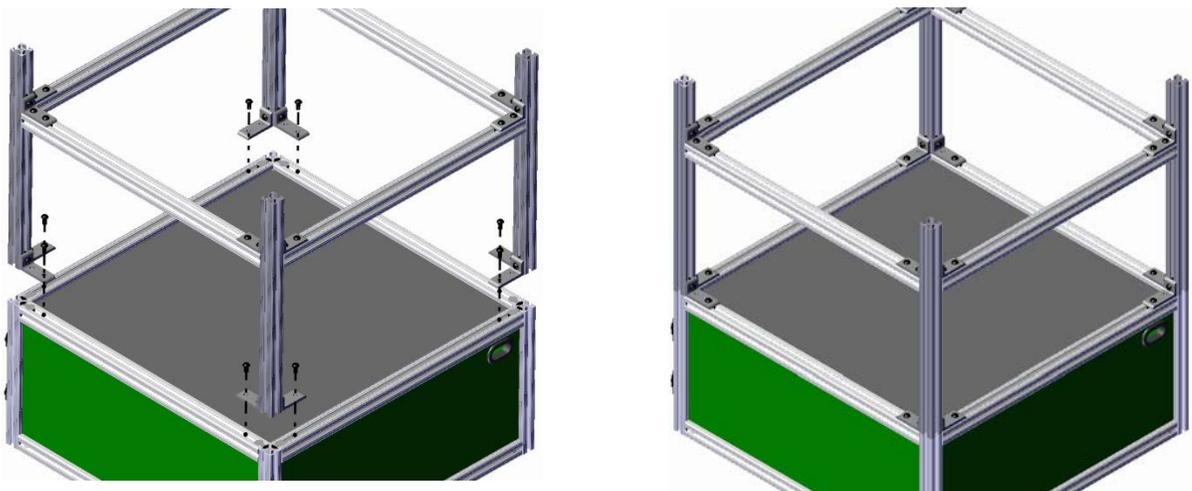
- 1) Begin by gathering the contents of a Pedestal Kit and connecting a Pedestal Leg Assembly to a Pedestal Horizontal Frame Rail. This can be done by sliding the rail onto a set of black, tab-shaped fasteners until it is flush with the vertical leg and tightening the screws with the included Allen Wrench. Repeat this process until the assembly matches the one shown in figure 2.1

Figure 2.1 – Assembling the Pedestal Kit



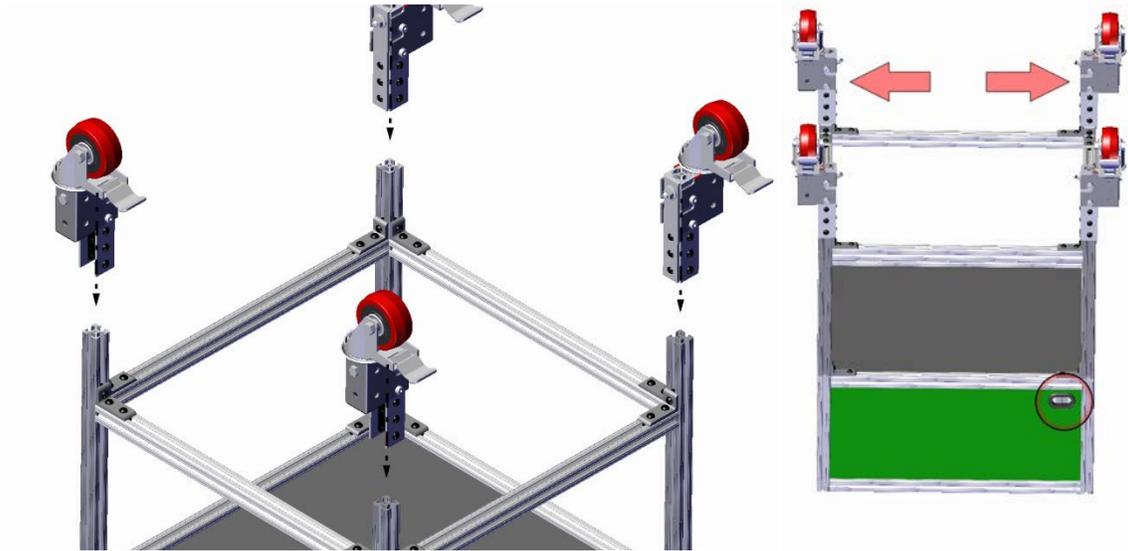
- 2) Take the first UroVoid enclosure and flip it over so that it is upside-down with the door facing away from you and attach the Pedestal Kit to the bottom of the UroVoid. This can be done by rolling a fastener into the UroVoid's rail and using the rubber stem to slide it under the dedicated tabs. To ease in assembly, it is recommended to screw the fasteners in loosely so that the pedestal can be properly aligned before tightening.

Figure 2.2 – Attaching the Pedestal to the UroVoid



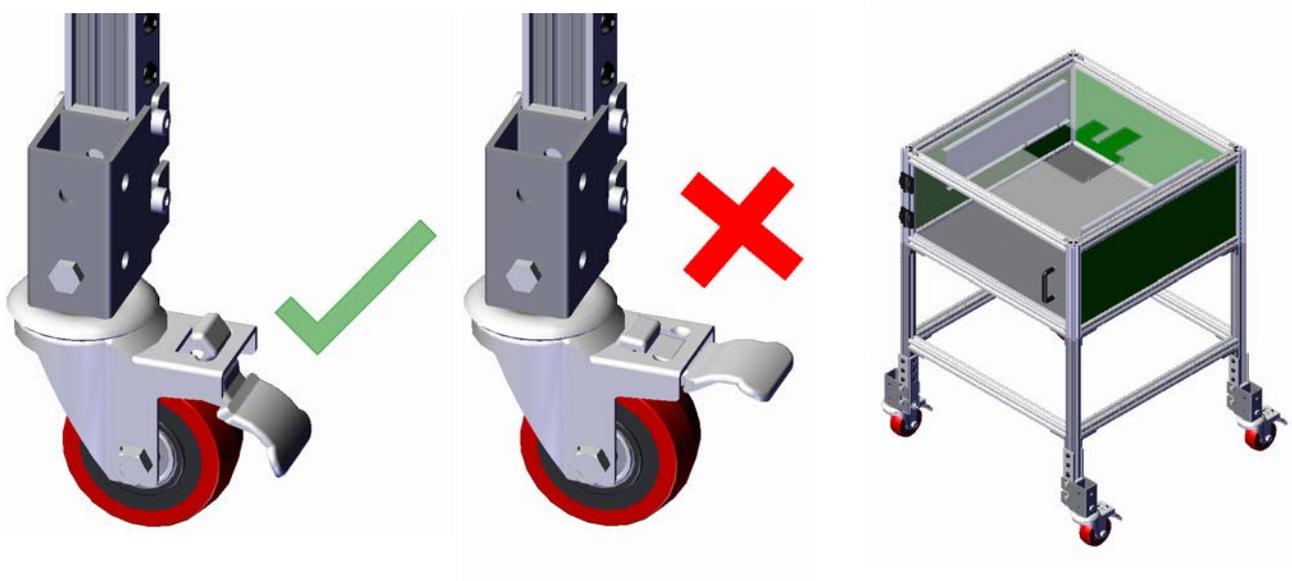
- 3) Locate four Mobility Kits and attach them to the ends of the legs on the pedestal and fasten them with the Allen Wrench. They should be pointed outwards to the sides while facing away from the center as shown in figure 2.3. Take note that the face with the grommet should be the one facing towards you when determining Mobility Kit direction.

Figure 2.3 – Attaching the Mobility Kits



- 4) Verify that the castor locks are engaged and then flip the entire assembly over, now with the door facing towards you. The base unit is now complete.

Figure 2.4 – The Base Unit

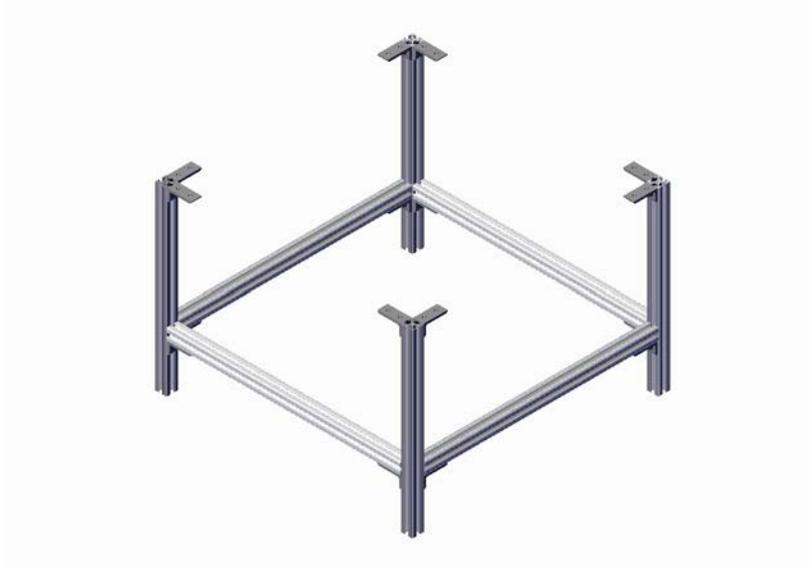


Assembling Horizontally

Note: If constructing the 2x1 assembly, skip to Step 15

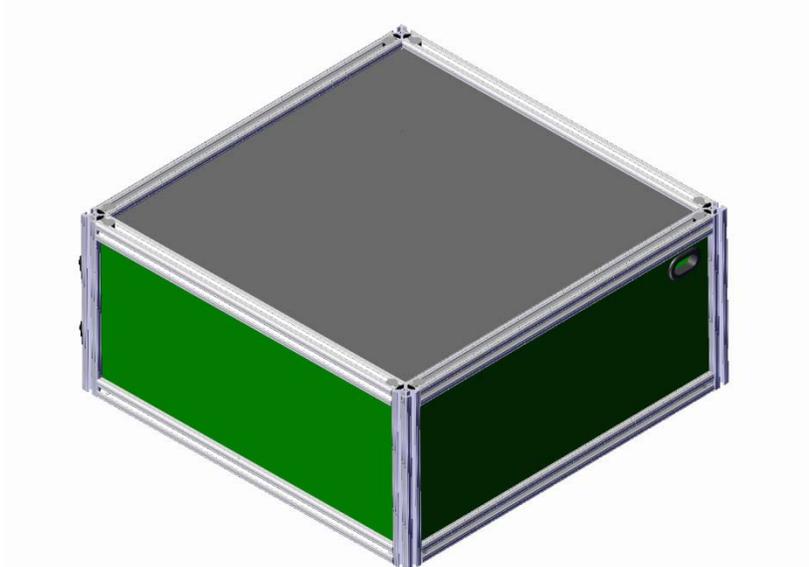
- 5) Construct another Pedestal Kit, identical to the first one.

Figure 2.5 – Additional Pedestals



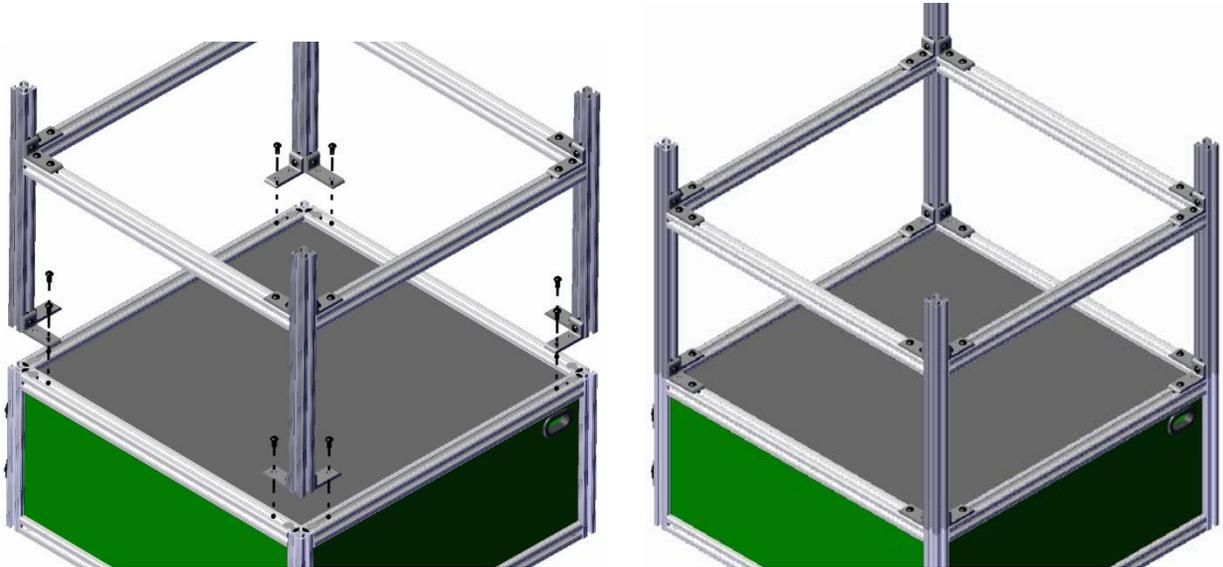
- 6) Flip the next UroVoid unit over so that it is resting upside-down with the door facing away.

Figure 2.6 – UroVoid Preparation



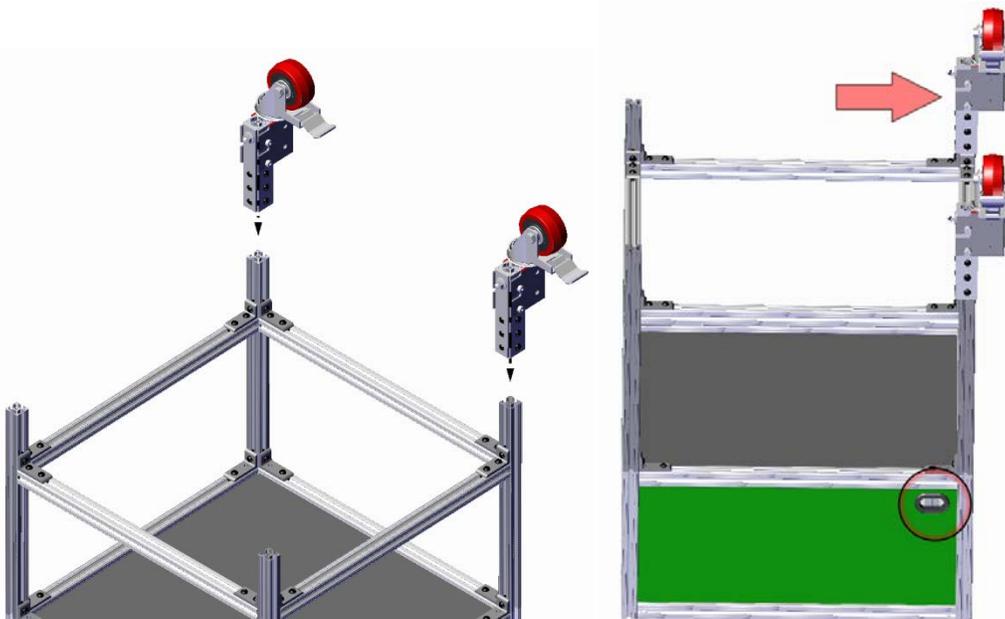
- 7) Affix the Pedestal Kit to the UroVoid enclosure, once again ensuring that it is properly aligned before tightening the screws in fully.

Figure 2.7 – Securing the Pedestal



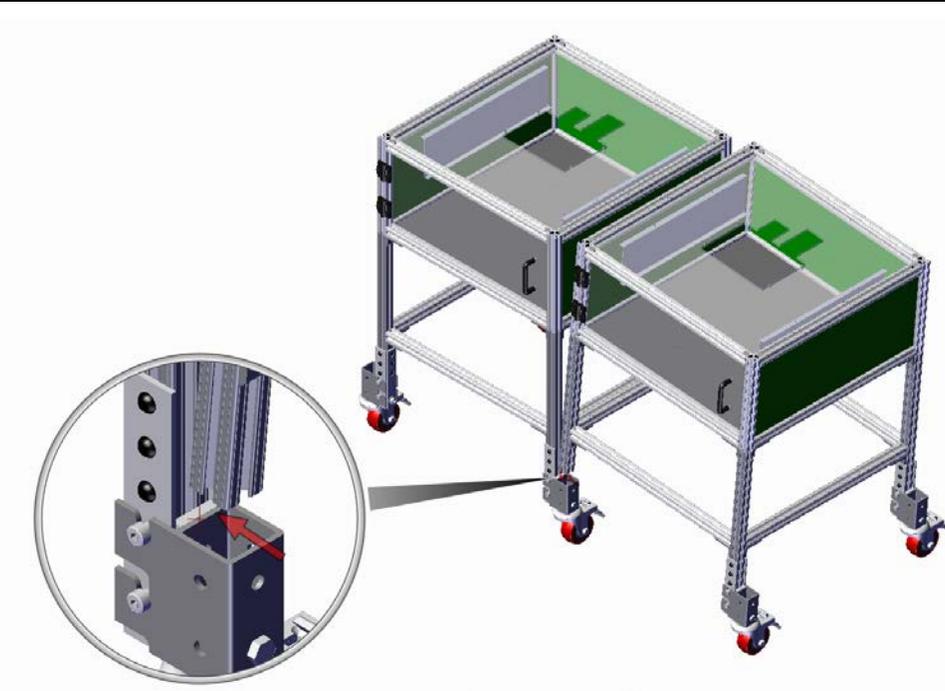
- 8) Locate two Mobility kits and attach them to the rightmost legs of the pedestal. Using the grommet as a reference, face the Mobility Kits outwards to the right – away from the assembly. Tighten them using the Allen Wrench.

Figure 2.8 – Additional Mobility Kits



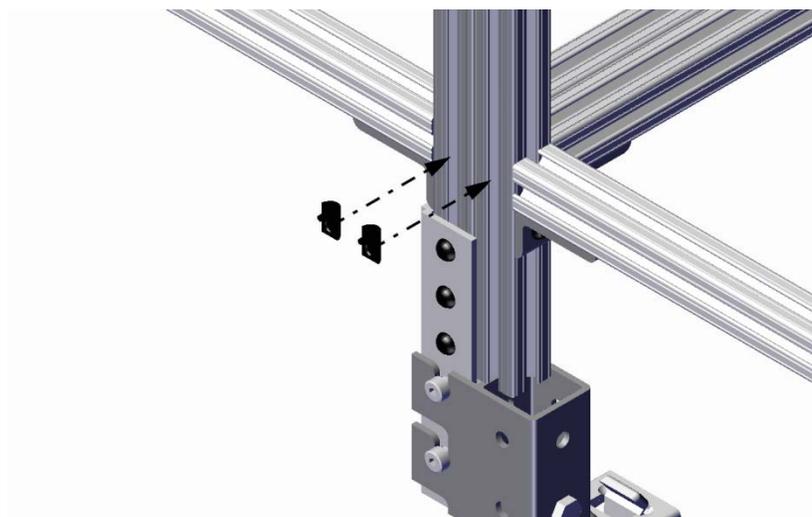
- 9) Verify that the locks are engaged on the castors and flip the assembly over with the assembly oriented in the same direction of the original unit. Take the two legs that do not have a Mobility Kit attached to them and rest them on the rightmost Mobility Kits of the base unit. The legs should be resting on a strut and not in the hole, as shown in Figure 2.9.

Figure 2.9 – Proper Placement of Pedestal Legs



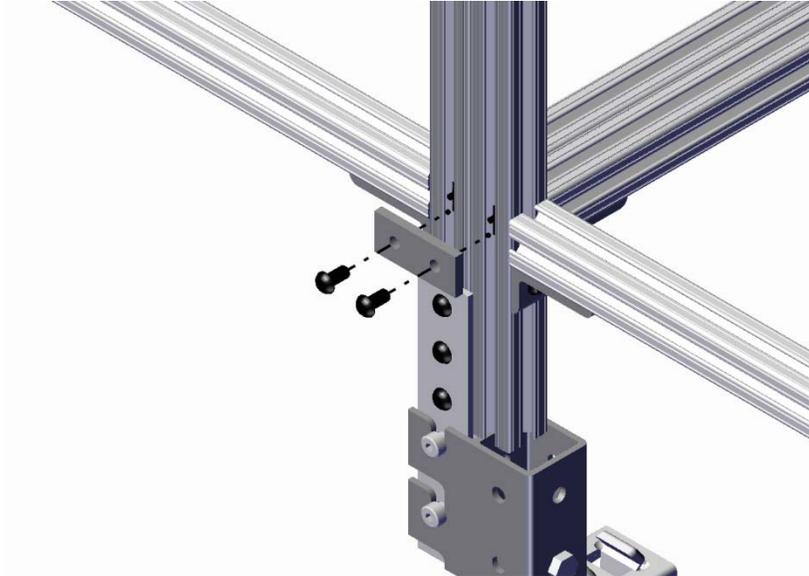
- 10) Attach one of the Horizontal Kits. To do this, first insert a roll-in fastener into the front faces of the right rail of the older left pedestal, and the left rail of the newer right pedestal.

Figure 2.10 – Preparing the Horizontal Lock



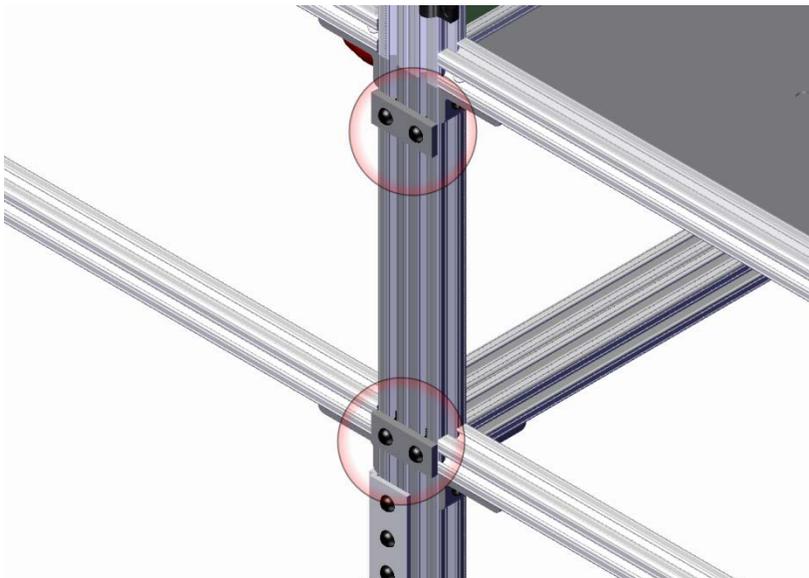
- 11) Holding the two vertical rails together, screw in the Horizontal Plate to the roll-in fasteners. This step is significantly easier with a partner.

Figure 2.11 – Locking the Two Units Horizontally



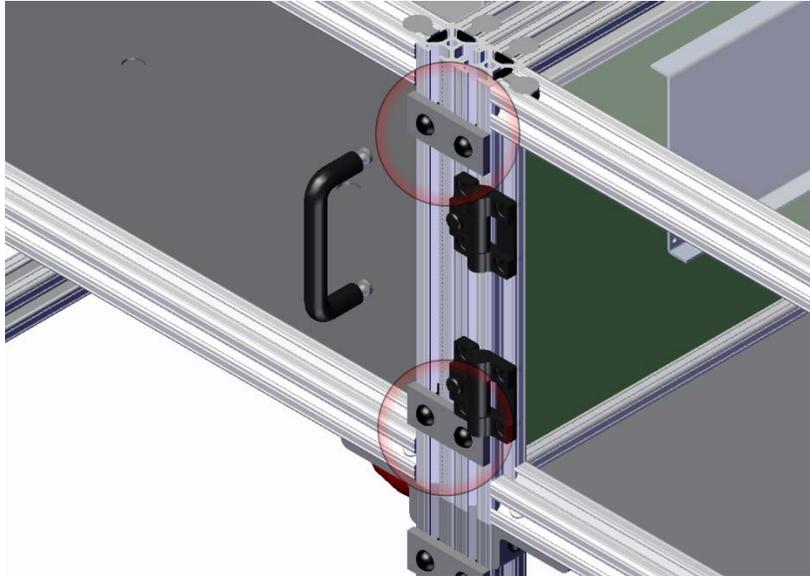
- 12) Each Horizontal Kit consists of four of these small assemblies; attach the remaining three. It is recommended to affix them on the front and back in the locations shown in Figure 2.12.

Figure 2.12 – Optimal Horizontal Lock Locations: Pedestal



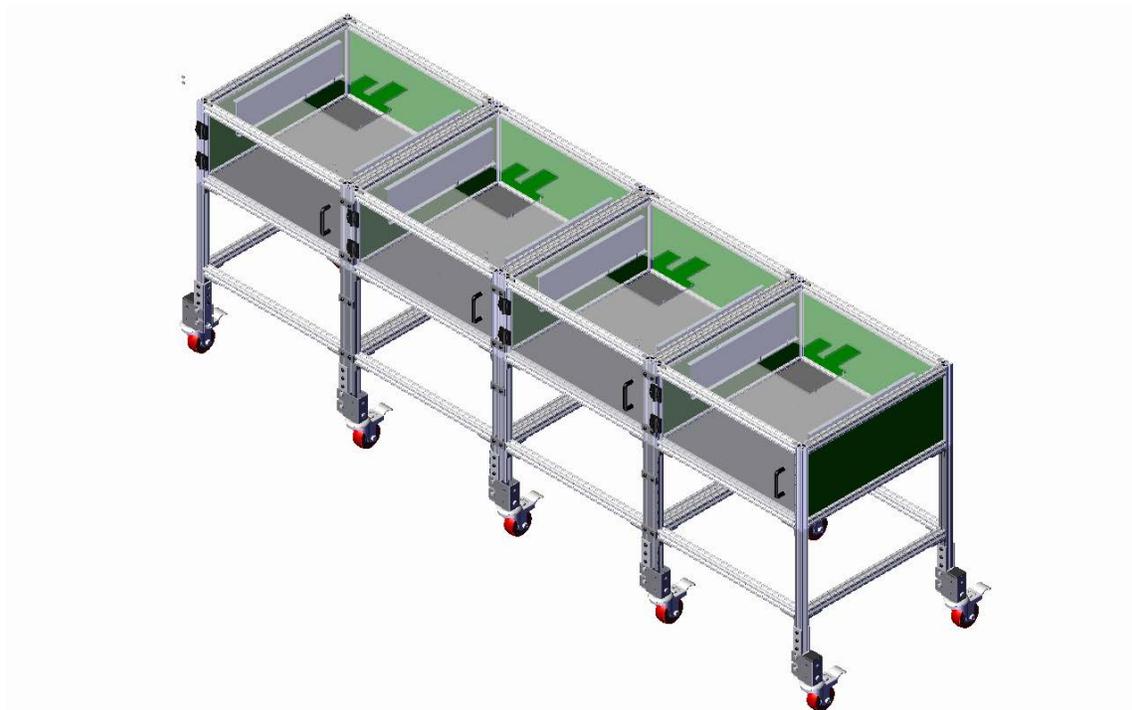
- 13) Take a second Horizontal Kit and fasten it to the UroVoid enclosures to secure them in place from the front and the back. See Figure 2.13 for the optimal placement.

Figure 2.13 – Optimal Horizontal Lock Locations: UroVoid



- 14) Repeat Steps 5-13 as necessary until all of the Pedestal Kits and their respective UroVoids have been joined together.

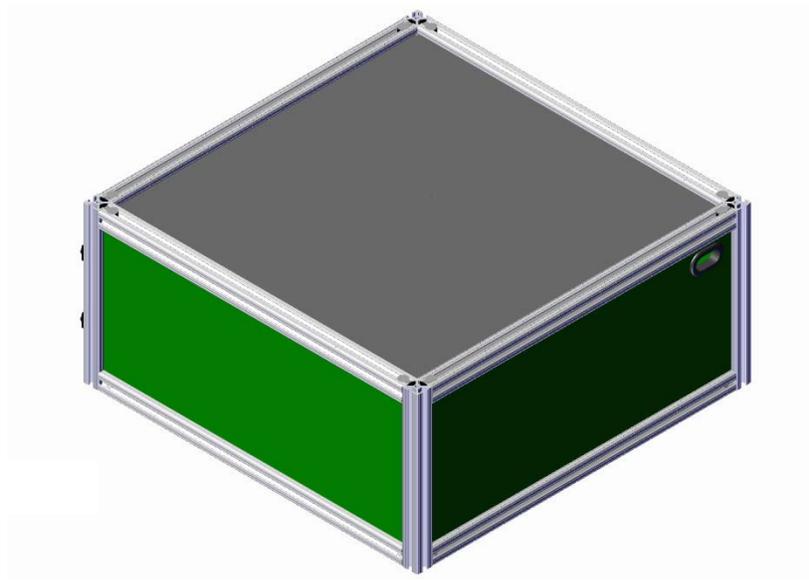
Figure 2.14 – A Potential Final Horizontal Configuration



Assembling Vertically

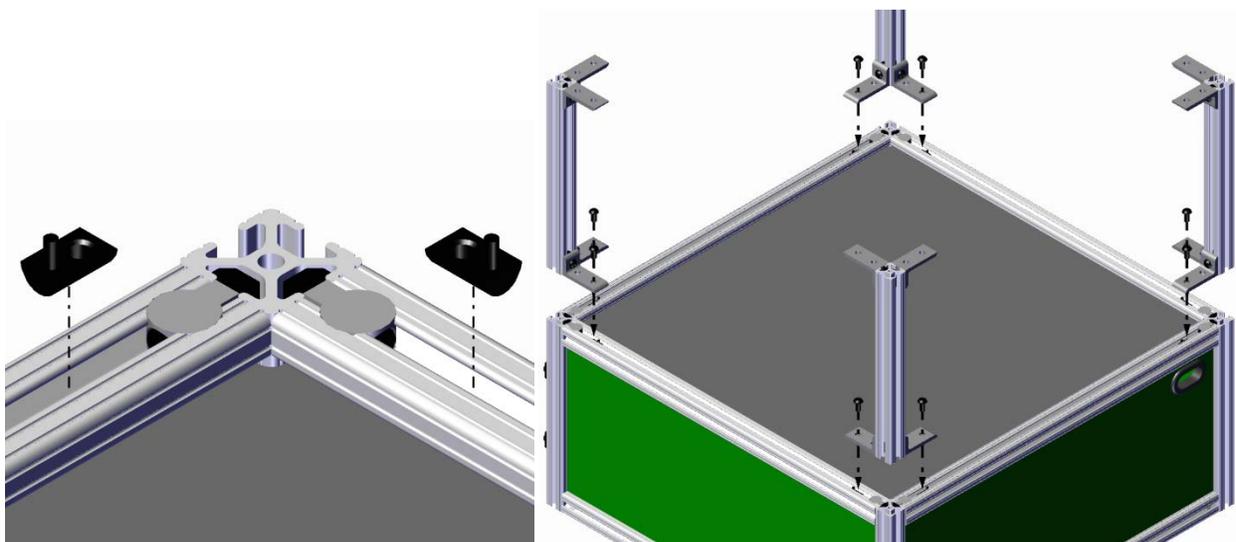
- 15) Take a UroVoid enclosure and flip it over so that it is upside-down with the door facing away.

Figure 2.15 – Preparing for the Vertical Kit



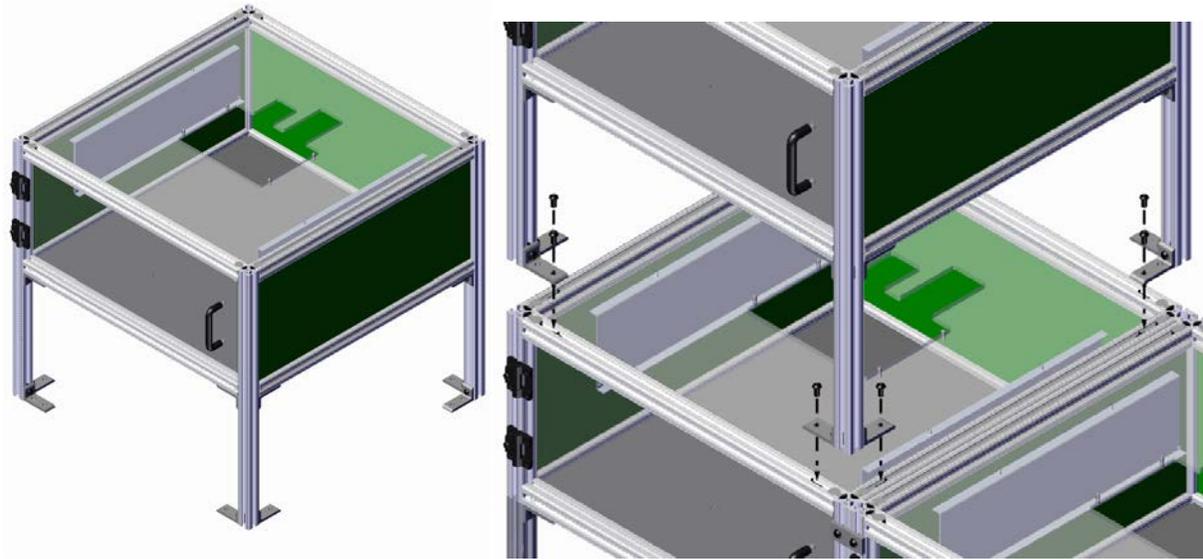
- 16) Locate a Vertical Kit and attach it to the underside of the UroVoid. To do this, roll a fastener into the UroVoid's rail and use the rubber stem to slide it under the dedicated tabs. To ease in assembly, it is recommended to screw the fasteners in loosely so that the vertical rail can be properly aligned before tightening. Repeat this for each of the four vertical rails.

Figure 2.16 – Attaching the Vertical Kit



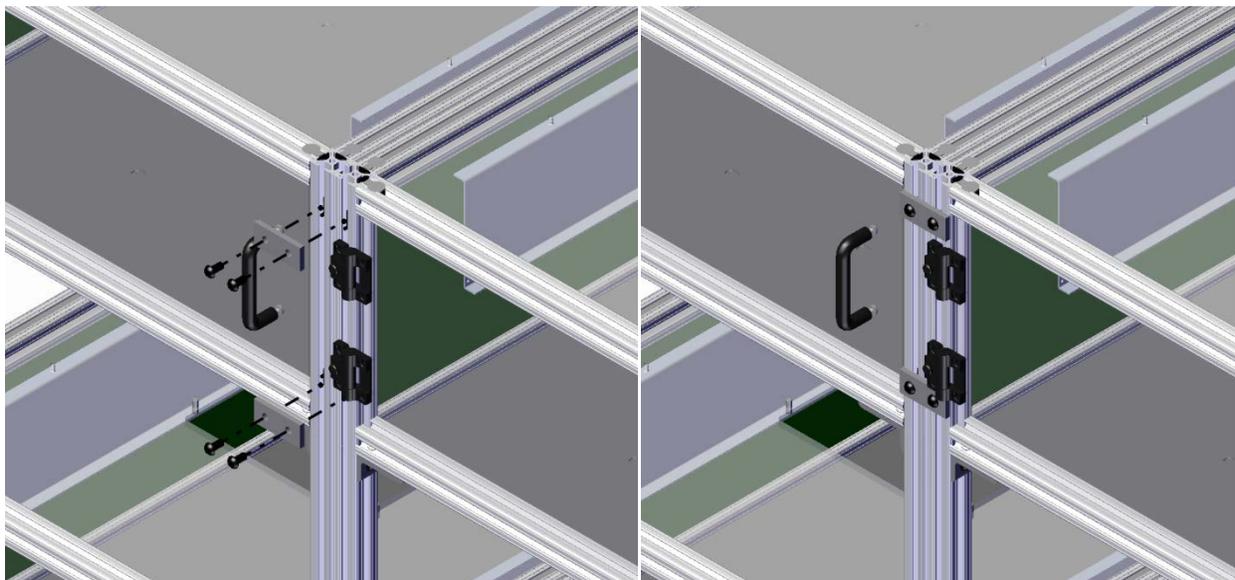
- 17) Once properly tightened, flip the unit over and place it on top of the leftmost UroVoid in the array and fasten it, taking care to align it with the UroVoid below it.

Figure 2.17 – Stacking the Units



- 18) If necessary, attach a Horizontal Kit to the two adjacent UroVoid units. Figure 2.18 shows the optimal locations for the mounting.

Figure 2.18 – Horizontally Locking with Other Stacked Units



19) Repeat Steps 13-18 as necessary until all of the remaining UroVoid units have been attached.

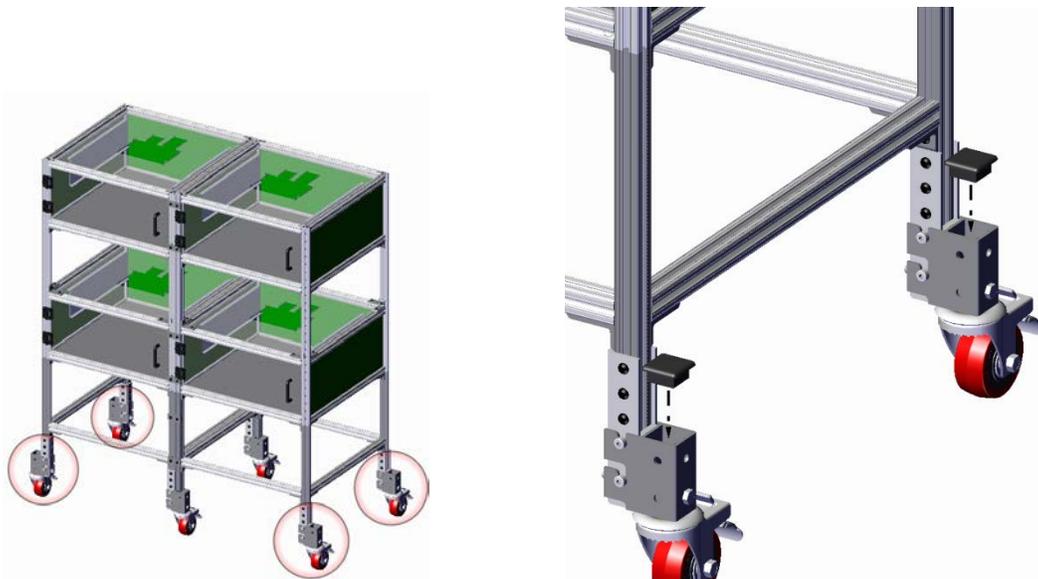
Figure 2.19 – A Potential Final Vertical Configuration



Finishing Touches

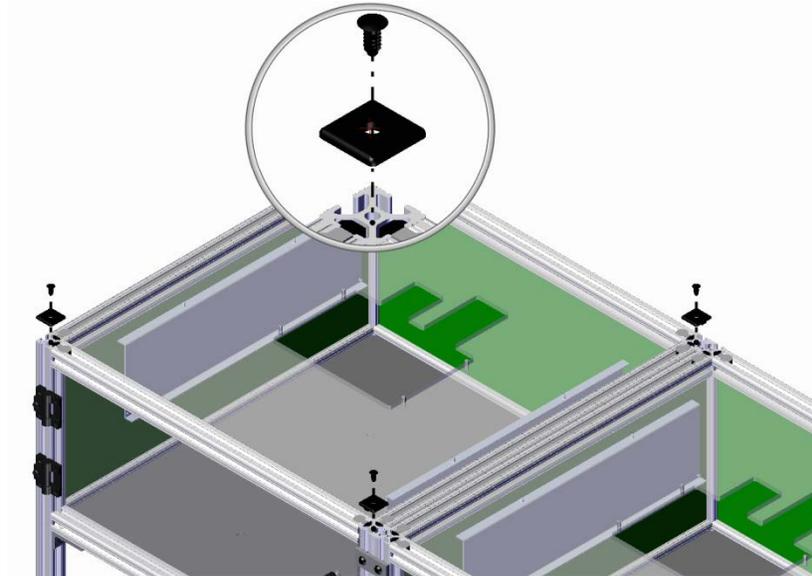
20) When fully assembled, four of the Mobility Kits should be exposed off to the left and right of the unit. Insert a Foot Plug in each of them. There are no special tools for this – they simply slide in.

Figure 2.20 – Inserting the Foot Plugs



- 21) Locate the included Corner Caps and affix four of them to each of the top UroVoid units via their vertical rails and included fastener. Once again, there is no dedicated tool required, as they simply slide in with a light amount of force.

Figure 2.21 – Affixing the Corner Caps



- 22) Proceed with UroVoid setup as shown in DOC-293 UroVoid Acquisition.

Building Onto an Existing Array

If additional UroVoid units and their respective connection kits need to be added to an existing array, the following steps must be performed in order to prepare it:

- 23) If adding additional horizontal units, remove the two Foot Plugs from the rightmost Mobility Kits using a flathead screwdriver to pry them up, and then proceed starting from Step 5.
- 24) If adding additional vertical units, remove the Corner Caps from the top UroVoid units using a flathead screwdriver to pry up the cap enough to remove the fastener, and then proceed starting from Step 15
- 25) When all of the new UroVoid units have been properly attached, proceed with Steps 20-22 as per normal.

APPENDIX A | CONTACT INFORMATION

Please contact Med Associates, Inc. for information regarding any of our products.

For Technical questions, email support@med-associates.com.

For Sales questions, email sales@med-associates.com.

Visit our website at www.med-associates.com.