

# RICMOTECH™

## HIGH PERFORMANCE SIM-RACING EQUIPMENT

### AP-Xtreme Sim-Racing Chassis Master Assembly Guide



This guide covers all options available for the AP-Xtreme chassis.  
Some sections of this guide will be skipped based on the options chosen.

APX1000		APX2000		APX3000		APX3000UW		SlipSense		gSense	
VR Option	Pedal Options		Floor Mount	Hanging Mount	Dead Pedal	4 <sup>th</sup> Monitor Mount	Shaker Option	Shifter Mount Option			
Speakers	Button Box	Hand Brake	Pro Shifter	Pro Seat Rails	WindSense						

## Tools needed:

#2 Phillips Screwdriver

#3 Phillips Screwdriver

½" Wrench

7/16" Wrench

10mm Wrench

Tape Measure

Drill with ¼" (7mm) drill bit\*

Blanket or another soft surface to work on

\*May only be required if mounting GTpro Pedals (floor or hanging version)

Refer to page 33

## Required Assembly Time

Plan your time wisely. These are assembly time estimates based on the average novice builder. These times are for assembly of the chassis and mounting the peripherals only. Connecting components, configuring your system and cable management will require additional time.

APX-1000: about 4 hours

APX-2000: about 5 hours

APX-3000: about 6 hours

APX-3000UW: about 7 hours

Slip-Sense Add-On: about 3 additional hours


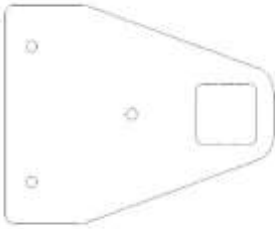
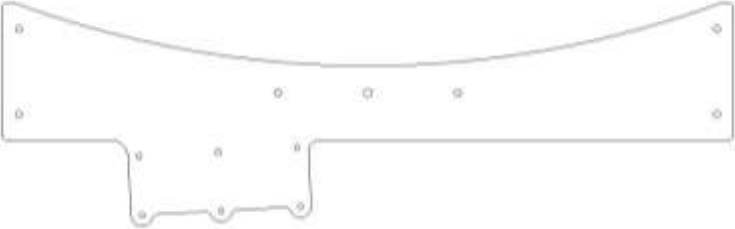
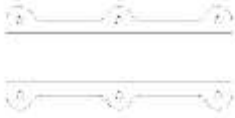
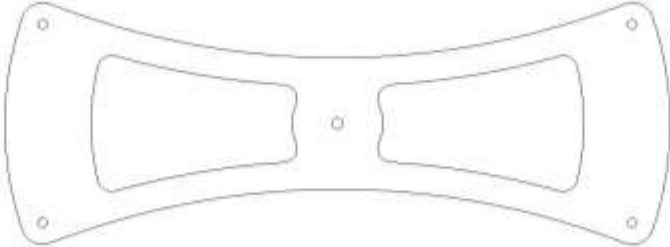
**Pay particular attention to comments marked with the  symbol.**



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Please call us if you have any problems during the assembly process, even if it is after hours. You can press 1 when prompted and leave a voicemail after hours and a technician will be attempted to be reached to return your call. We understand these projects are usually undertaken outside of normal business hours and we will try to help you as best we can during that time. (305)417-9241



# Section 1: AP-Xtreme Slip Sense Assembly Contents

## Panels Included




Item Code	Qty	Image
T1	2	
T2	2	
T3	1	
T4	1	
T5	1	

Item Code	Qty	Image
T6	1	
T7	1	

#### Extrusion Profile


Item Code	Qty	Size	Image
ET1	2	3" x 1.5" x 66"	
ET2	2	1.5" x 1.5" x 30.5"	

#### Hardware Included

Item Code	Qty	Description	Image
N1	6	Hex Nut 1/4-20	
N2	24	Hex Nut 5/16-18	
W1	12	Flat Washer 1/4	

Item Code	Qty	Description	Image
W2	32	Flat Washer 5/16	
C2-1	14	Carriage Bolt 5/16-18 x 0.75	
C2-2	6	Carriage Bolt 5/16-18 x 1.25	
C1-3	6	Carriage Bolt 1/4-20 x 3.25	
H2-2	16	Hex Bolt 5/16-18 x 1.50	
B2	8	Button Head 5/16 x 1.25	
P2	6	Screw 8-32 x 0.50	
L1	4	Angle Bracket	
L2	4	5/16-18 T-Slot Nut and Bolt	
R1	4	Roller	
N4-A	4	Threaded Insert Plate with 1 set screw (may be pre-installed)	

Item Code	Qty	Description	Image
N4-B	2	Threaded Insert Plate with 2 set screws (may be pre-installed)	
R3	2	Guide Bolt	
R4	1	Bronze Bearing	
A10	4	Vibration Mount	
PF1	4	Rubber Feet	
SX1	1	Slip Sense Actuator w/ Coupling	
SX2	1	Actuator Control	
SX4000	1	Power Supply (Only 1 for SlipSense and G-Sense)	

Item Code	Qty	Description	Image
FGK	1	Finger Guard Kit	

## Section 2: G-Sense Components

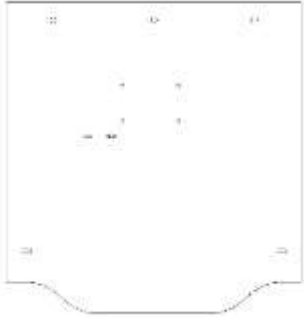
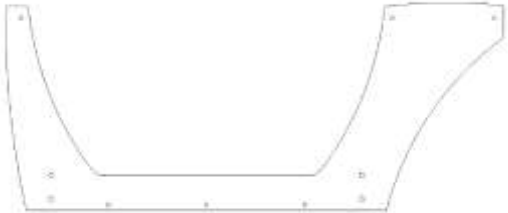
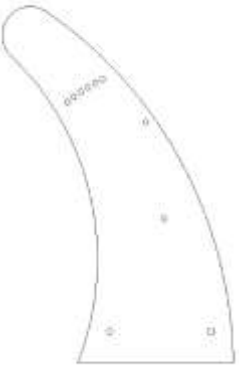
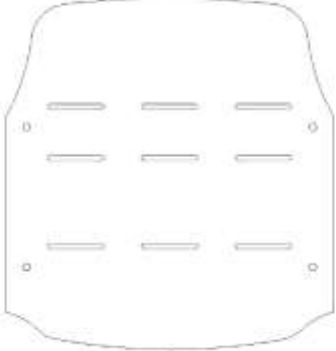
Item Code	Qty	Description	Image
GB1	1	G-Sense Actuator Top	
GB2	1	Actuator Cover Panel	
GA1	2	Flat Washer ¼	
GA2	1		
SXG	2	G-Sense Actuator	
SX4000	1	Power Supply (Only 1 for SlipSense and G-Sense)	
GBELT	1	Specially Modified Belts for G-Sense System	

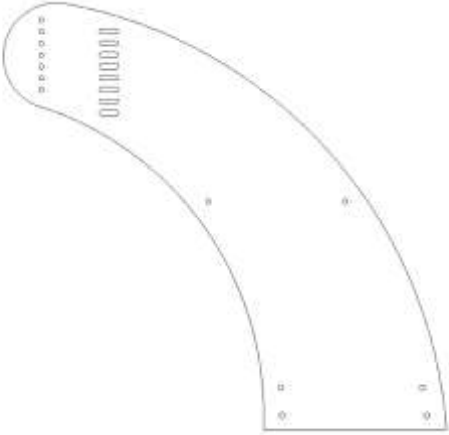
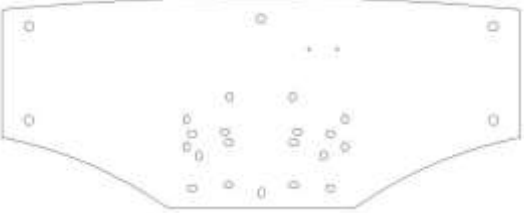


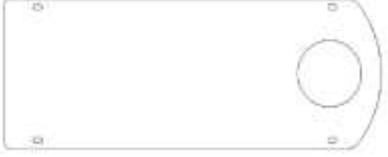



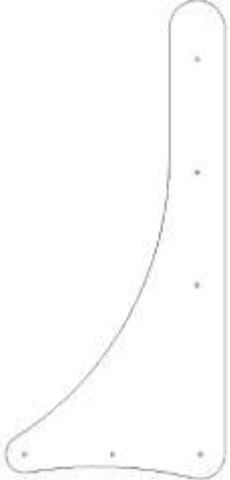
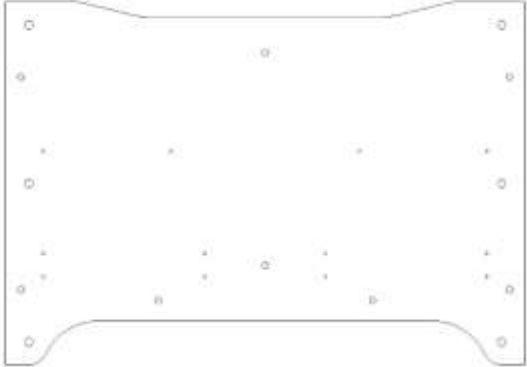
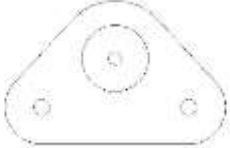

Item Code	Qty	Description	Image
S4	2	Anchor Sleeve	
N1	3	Hex Nut ¼-20	
N2	2	Hex Nut 5/16-18	
N3	2	Dowel Nut ¼-20	
W1	8	Flat Washer ¼	
W2	4	Flat Washer 5/16	
C2-4	2	Carriage Bolt 5/16-18 x 1.25	
H1-3	2	Hex Bolt ¼-20 x 2.25	
H1-4	3	Hex Bolt ¼-20 x 3.00	
HG1	8	Allen Head #10 x 1.00	
NG1	8	#10 Flanged Nut	

## Section 3: AP-Xtreme Core Assembly Components





### Panels Included (Box 1)

Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Image
B1	1	1	1	1	 <p>May have holes/slots based on pedal selection</p>
B2	1	1	1	1	
B3	2	2	2	2	 <p>May be omitted based on pedal selection</p>
B4	1	1	1	1	 <p>May be omitted based on pedal selection</p>

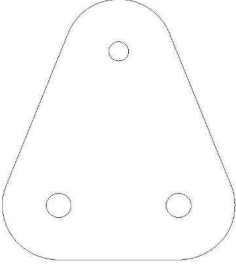


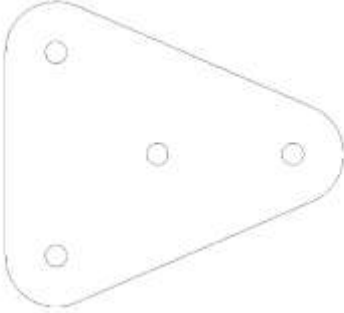
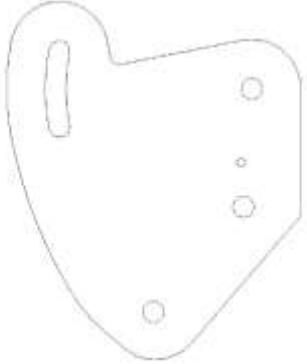
Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Image
B5	2	2	2	2	
B6	1	1	1	1	 <p data-bbox="927 892 1430 955">May have additional holes based on wheel selection</p>
B7	2	2	2	2	
B8	1	1	1	1	 <p data-bbox="933 1549 1425 1577">May be omitted based on pedal selection</p>
B9	1	1	1	1	 <p data-bbox="933 1812 1425 1839">May be omitted based on pedal selection</p>





Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Image
B10	1	1	1	1	
B11	0	2	2	2	
B12	0	1	1	1	
B13	4 (2 Tall & 2 Short)	4 (2 Tall & 2 Short)	4 (2 Tall & 2 Short)	4 (2 Tall & 2 Short)	 May be omitted based on seat selection
B15	4	4	4	4	

**Extrusion Profile (Box 2)**

Item Code	Qty for APX1000	Qty for APX2000	Qty for APX2000VR	Qty for APX3000	Qty for APX3000	Size	Image
E1	2	2	2	2	2	3" x 1.5" x 60"	
E2	2	2	2	2	2	1" x 1" x 60"	
E3	2	2	2	2	2	1" x 1" x 18" May be omitted based on seat selection	
E4	1	1	1	1	1	1" x 1" x 24"	
E5	0	1	0	2	2	1.5" X 1.5" x 16"	
E5-VR	0	0	1	1*	1*	1.5" X 1.5" x 24"	
E6	0	0	0	1	0	1.5" x 1.5" x 42"	
E7	0	0	0	2	0	1.5" x 1.5" x 18"	
E8	0	0	0	0	2	1.5" x 1.5" x 60"	
E9	0	0	0	0	4	1.5" x 1.5" x 22"	

**Brackets Included (Box 3)**

Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Image
A1	2	2	2	2	
A4	1	1	1	1	
A5	0	1	6	2	
A6	0	0	2	0	
A7	0	0	4	4	






Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Image
A8	0	0	3	0	
A9	0	1	3	3	
A10	4	4	4	4	
A11	0	0	0	2	

Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Image
A12	0	0	0	4	
A13	0	0	0	2	
A14	1	1	1	1	

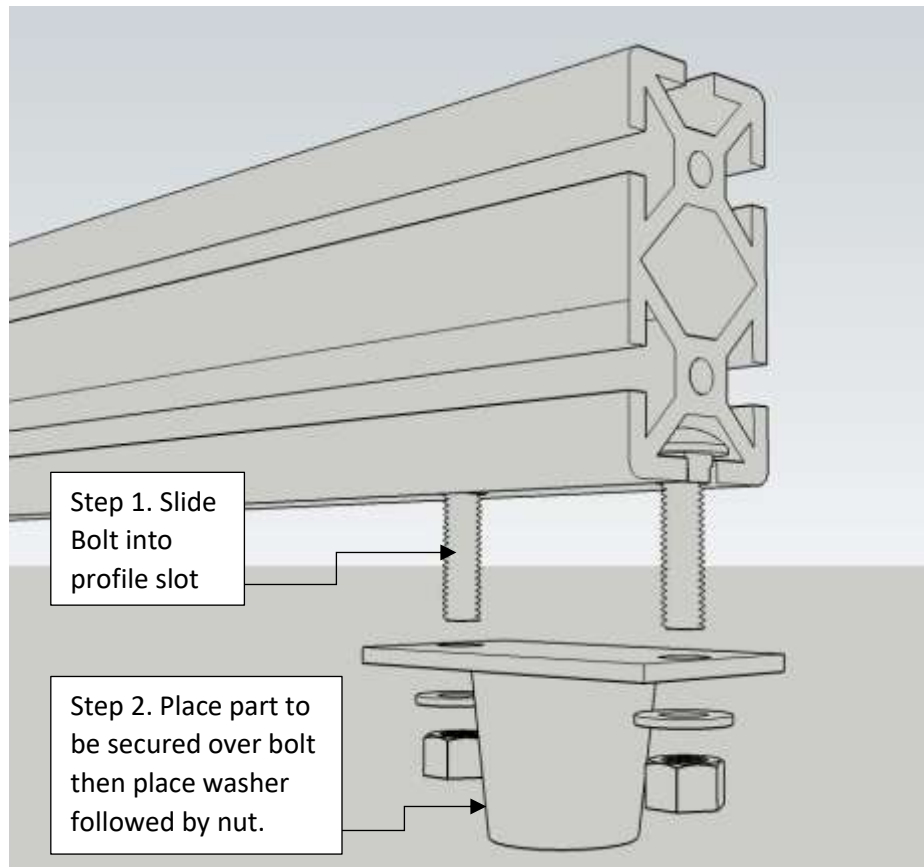


**Hardware Included (Box 3)**

Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Description	Image
N1	18	24	24	24	Hex Nut ¼-20	
N2	36	40	70	78	Hex Nut 5/16-18	
N3	19	25	25	25	Dowel Nut ¼-20	
W1	57	69	69	69	Flat Washer ¼	
W2	44	49	90	96	Flat Washer 5/16	
C1-1	4	4	4	4	Carriage Bolt ¼-20 x 0.50	
C1-2	12	18	18	18	Carriage Bolt ¼-20 x 1.25	
C2-1	12	14	42	50	Carriage Bolt 5/16-18 x 0.625	
C2-2	24	26	28	28	Carriage Bolt 5/16-18 x 1.25	
H1-1	5	5	5	5	Hex Bolt ¼-20 x 0.75	
H1-2	5	5	5	5	Hex Bolt ¼-20 x 1.75	

Item Code	Qty for APX1000	Qty for APX2000	Qty for APX3000	Qty for APX3000UW	Description	Image
H1-3	19	25	25	25	Hex Bolt ¼-20 x 2.25	
H2-1	0	1	12	10	Hex Bolt 5/16-18 x 0.625	
H2-2	8	8	8	8	Hex Bolt 5/16-18 x 1.75	
P1	0	0	4	4	Screw 6-32 x 0.75	
F1	4	4	4	4	Flat Head Bolt ¼-20 x 1.50	

# Typical example of how to fasten parts to aluminum profile slots.



**TIP: Remove plastic film from panels before attaching hardware.**

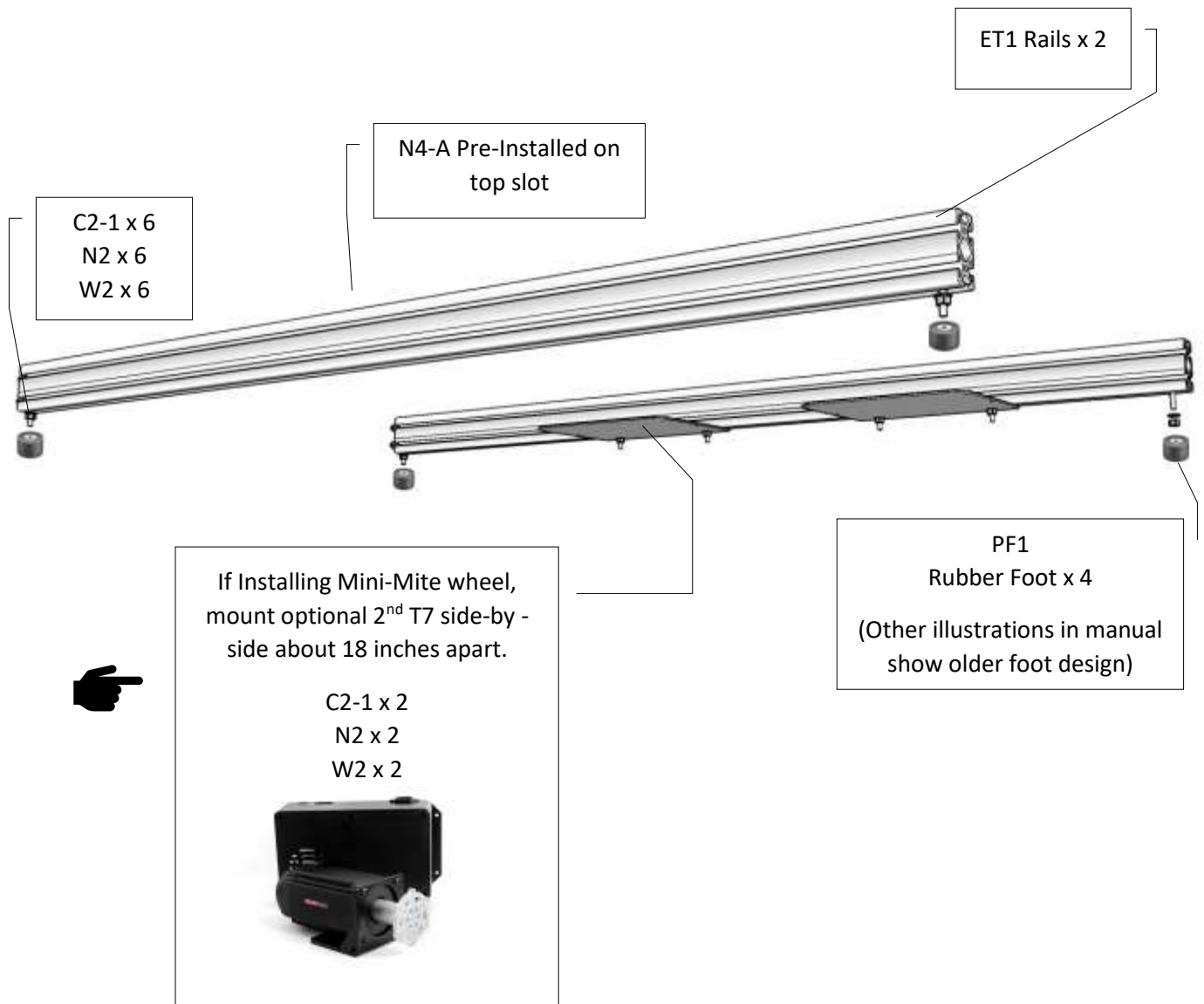


If you purchased and you are building the SlipSense motion system then please continue to page 21



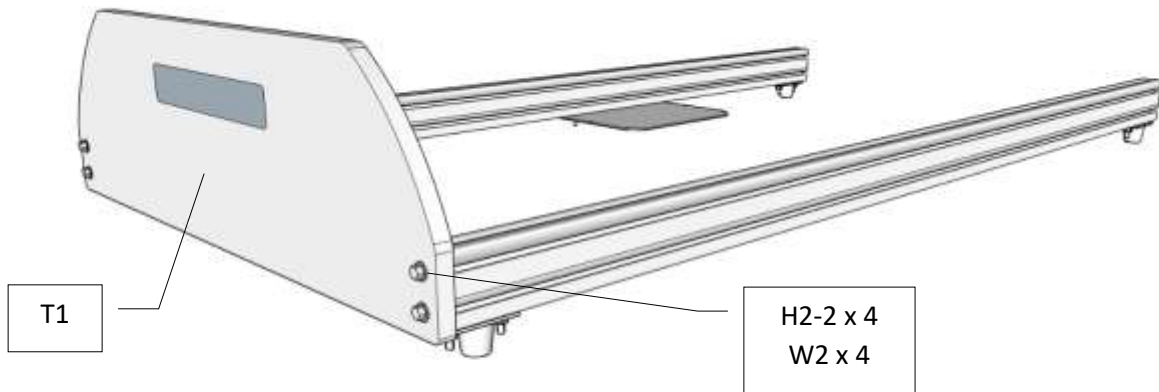
If you are not installing the SlipSense motion system then please proceed to page 32

# Assembly of the SlipSense Motion Platform

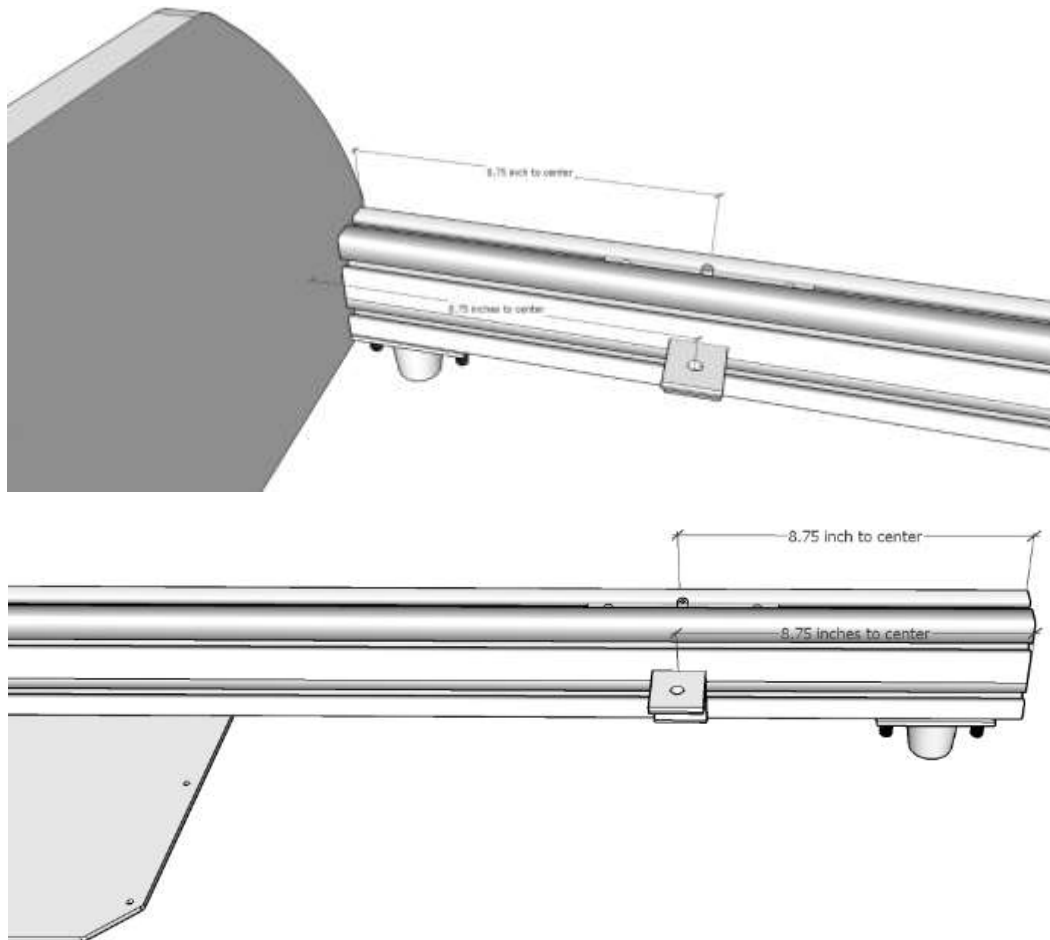
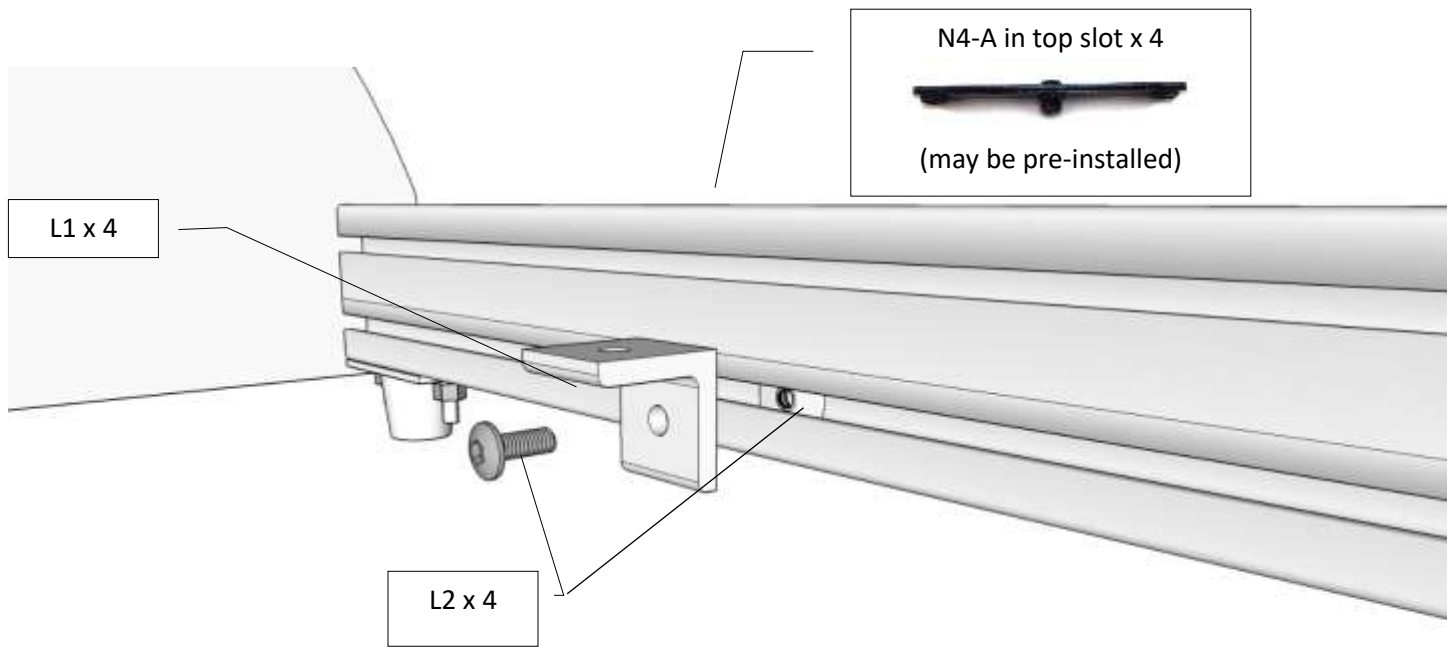


Slide two C2-1 bolts into the bottom slot of one of the ET1 rails which will be the “driver’s” side of the cockpit. Mount one vibration foot at each end of the rail and secure with N2 and W2 nuts and washers.

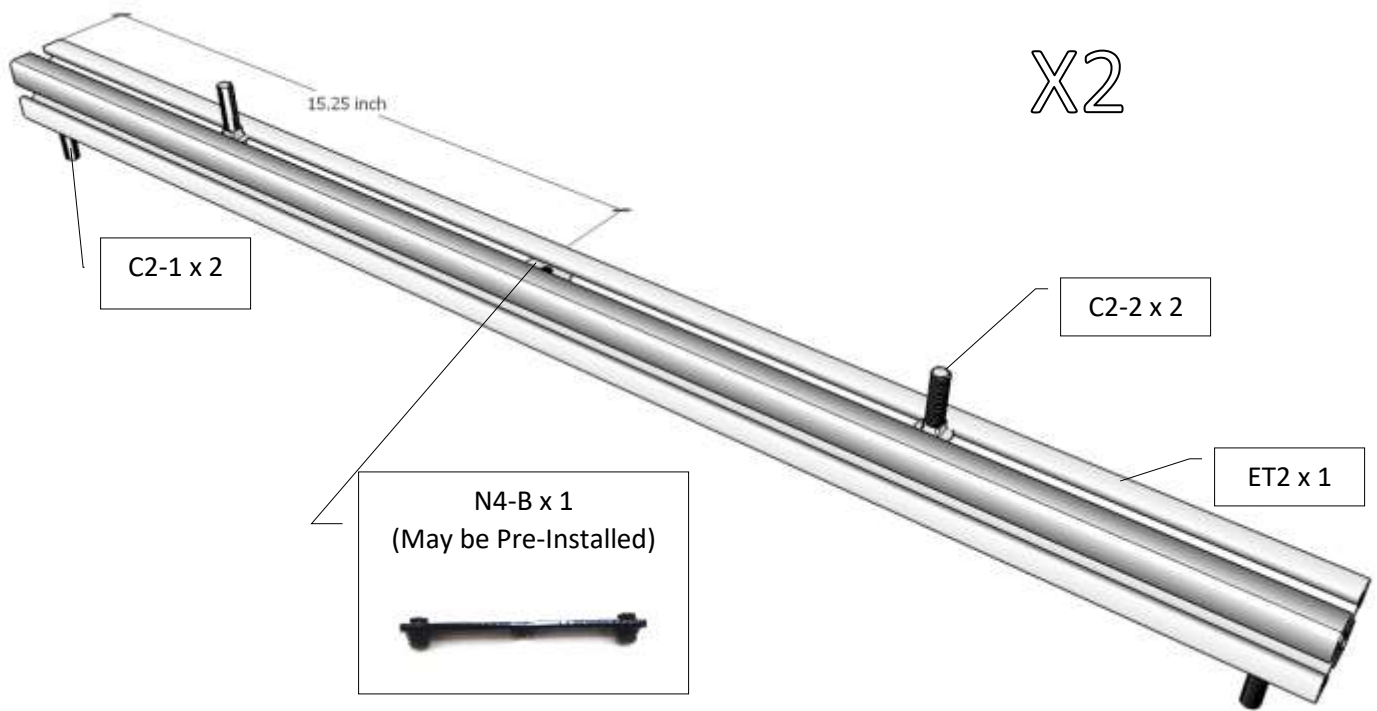
Slide four (or six, see note above) C2-1 bolts into the bottom slot of the other ET1 rail which will be the “transmission tunnel” side of the cockpit. Mount one vibration foot at each end of the rail and secure with N2 and W2 nuts and washers. Then mount the T7 mounting plate just behind the midpoint of the rail and extending toward the area between the rails.



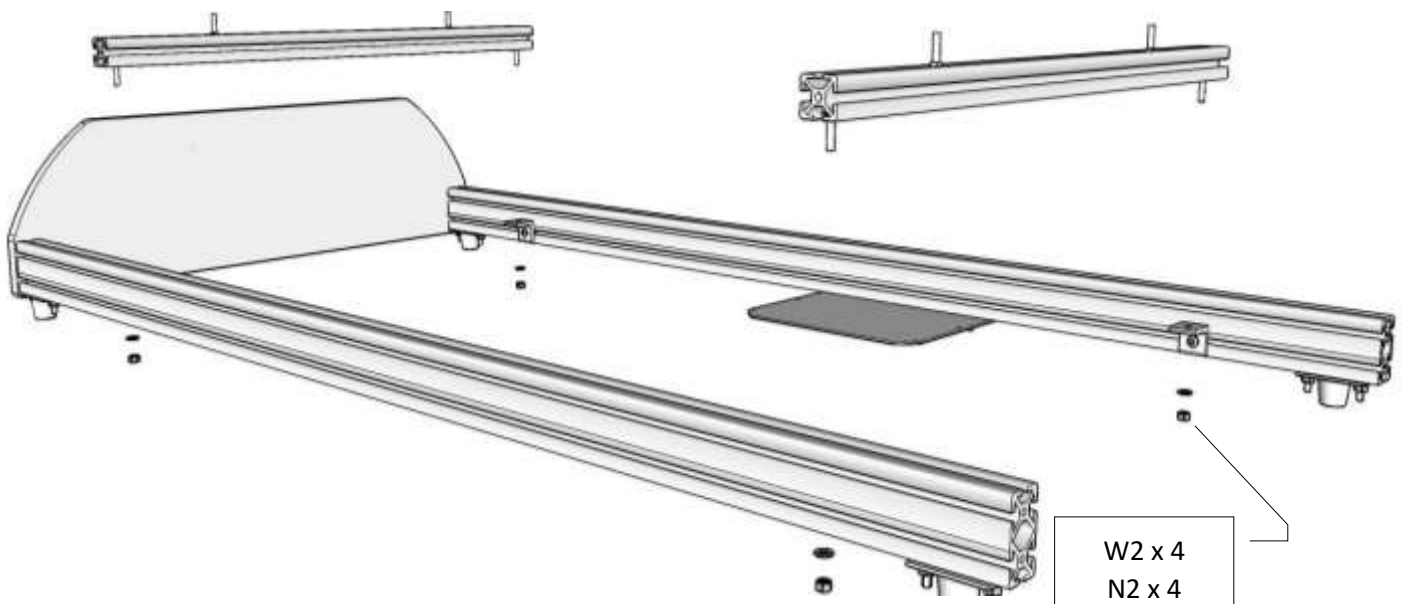
Bolt one T1 end panel to the “Front” of the platform (the end where the pedals will be).



Mount two L1 angle brackets using the L2 hardware on the lower inner slot on each rail. Slide the nut into the end of the ET1 rail with the flat side facing the bracket. Position each bracket 8.75 inches from the end of the ET1 rails as shown.

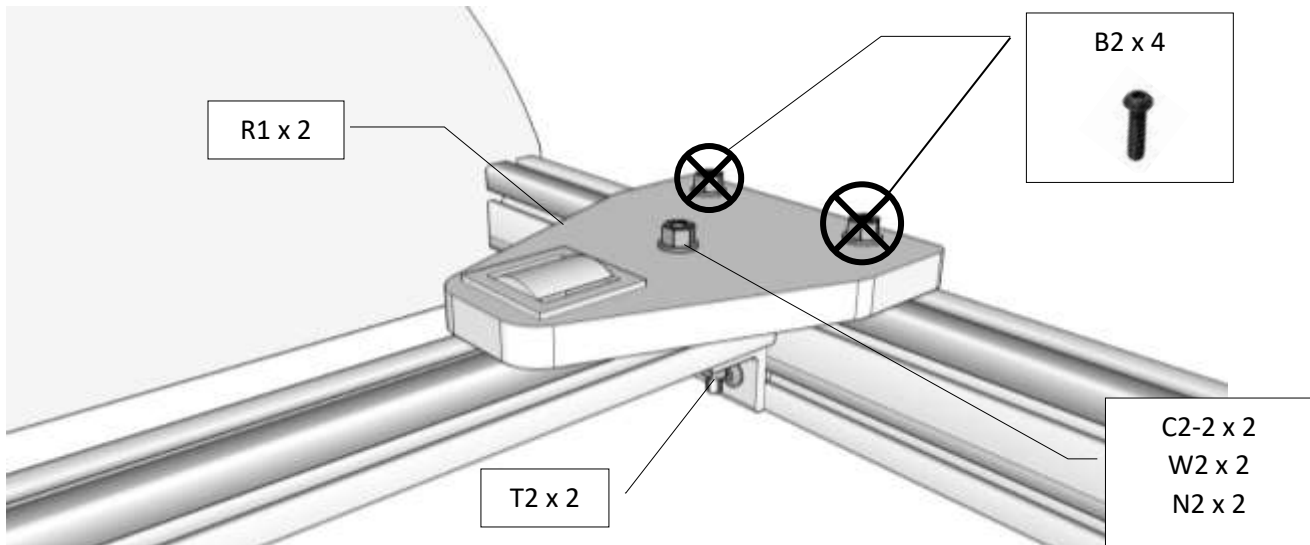


Prepare the ET2 rails by inserting the N4-B insert and moving it to the exact center of the rail (may be pre-installed). Tighten the 2 set screws to secure it in place. Insert one C2-2 into each end of the top slot and a C2-1 into each end of the bottom slot.

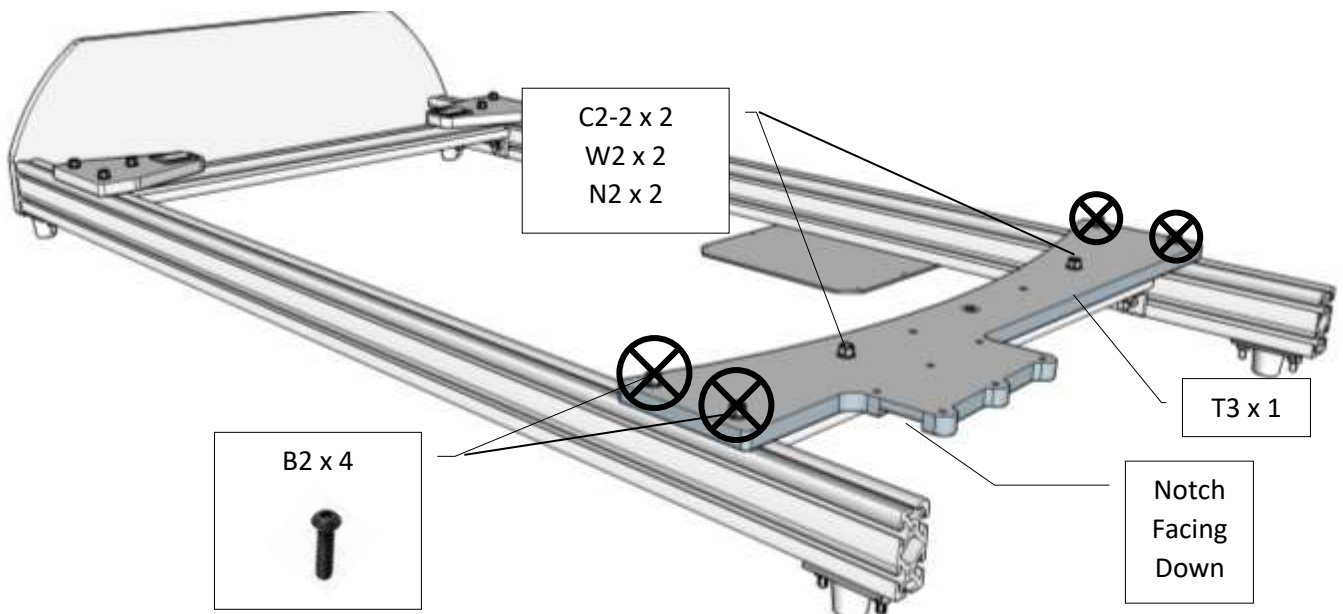


Thread the bottom bolts into the angle brackets and secure in place with the W2 and N2 washers and nuts.



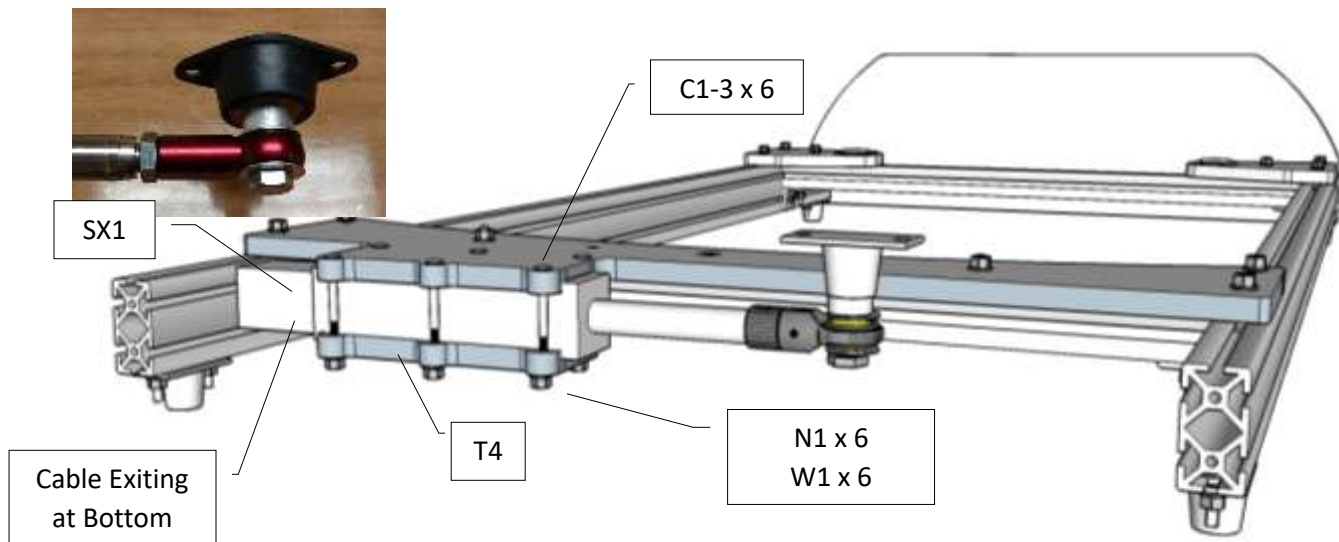


Position the front roller mounts as shown at each side. Insert the R1 roller in the orientation shown. Use bolts B2 in the outboard positions, this change was made for safety reasons. The illustrations in the rest of the manual show the older bolts which are not to be used here. The B2 bolts thread into the N4 nut inserts already installed.



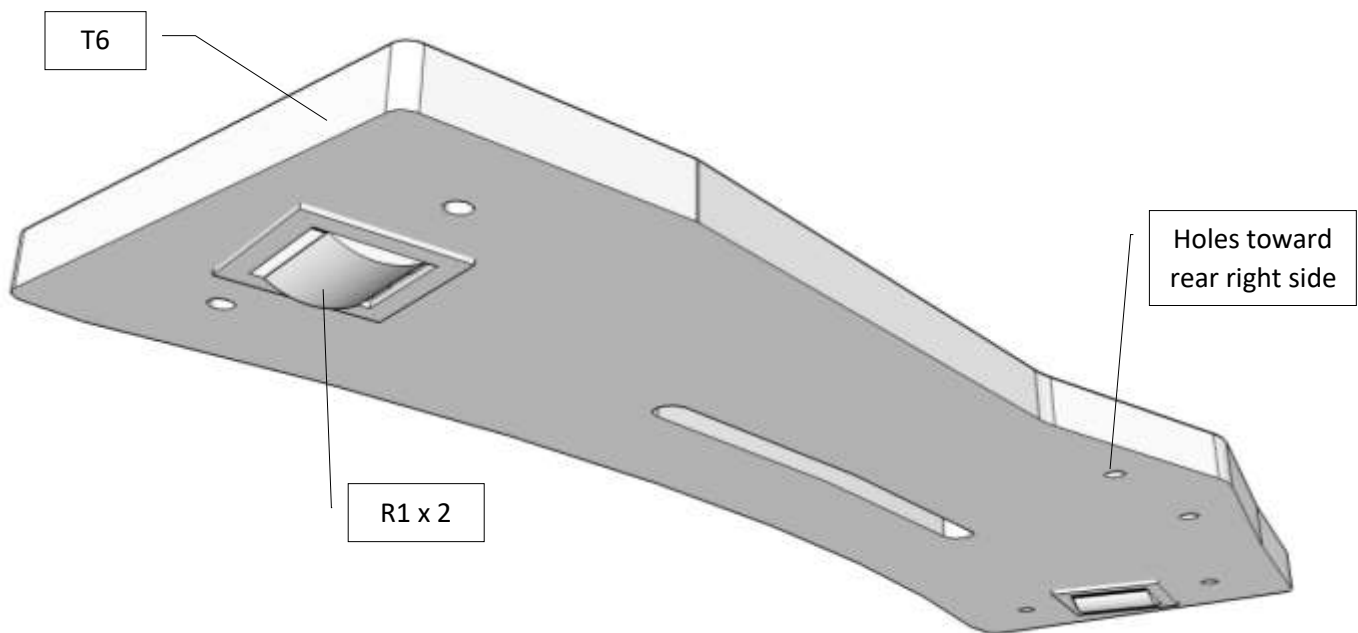
Mount the T3 platform over the rear rail as shown and secure with the indicated fasteners. Be sure to mount it with the actuator notch facing downward. Use bolts B2 in the outboard positions, this change was made for safety reasons. The illustrations in the rest of the manual show the older bolts which are not to be used here.

**NOTE:** The B2 bolt is used for safety reasons. The remainder of the manual illustrates the previously used bolt.

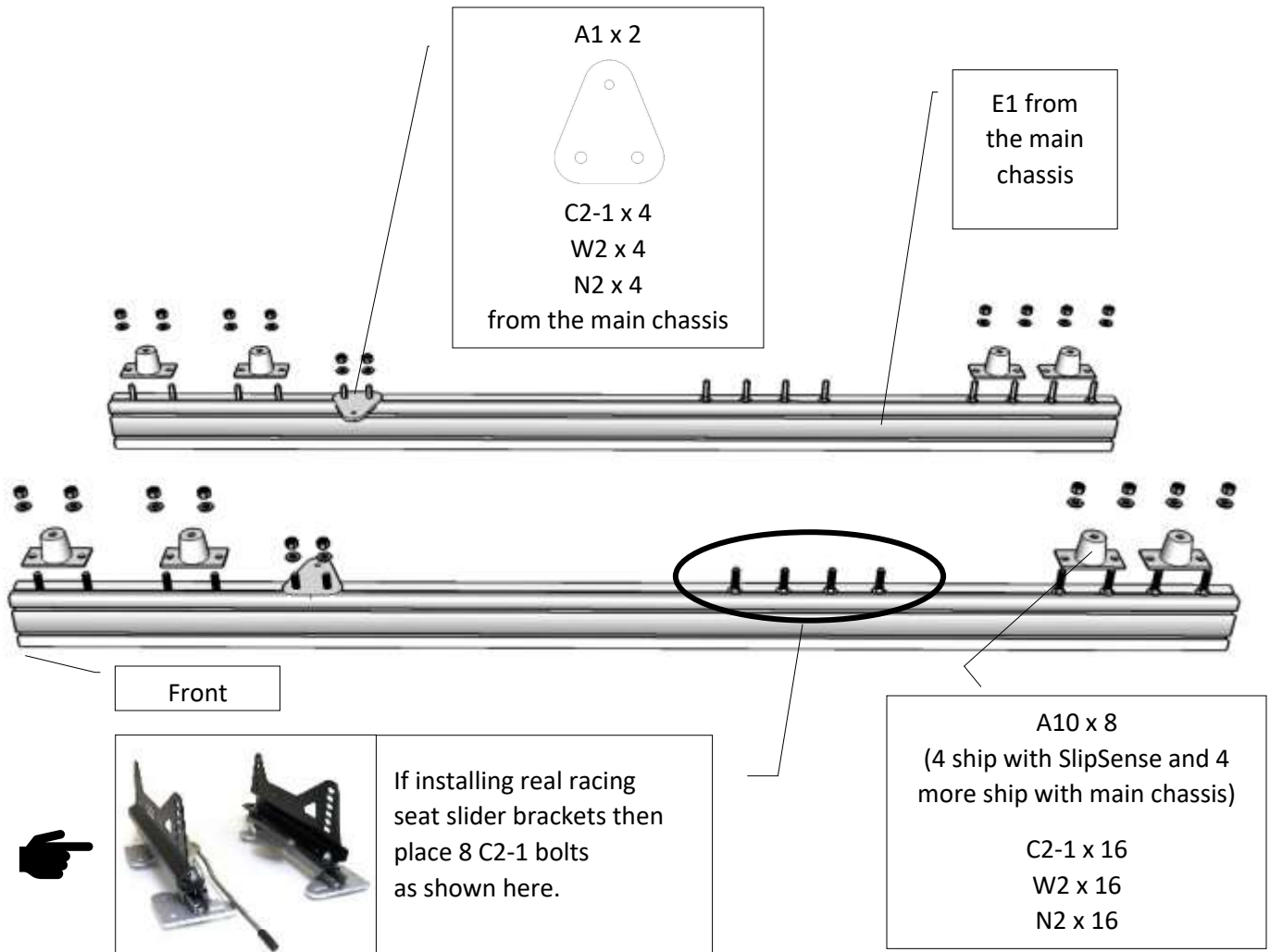


Attach the coupling to the actuator making sure the actuator cables exit pointing down. Do not overtighten the coupling. Mount the actuator assembly to the bottom of the T3 platform with the coupling facing up as shown. Secure with T4 clamping block and six bolts, washers and nuts as indicated above.

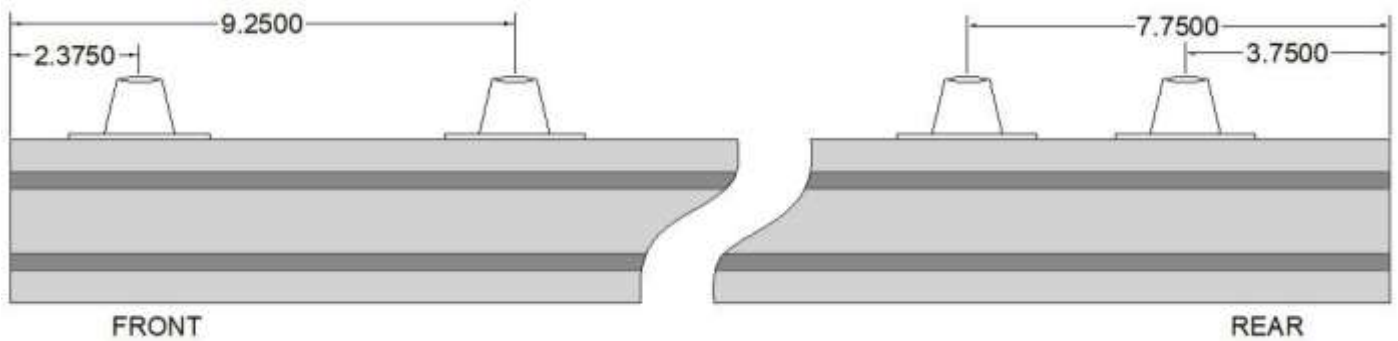
NOTE: THE ACTUATOR PISTON SHIPS RETRACTED. **DO NOT MANUALLY PULL ON IT.** IT WILL EXTEND WHEN IT IS FIRST CONFIGURED IN THE SOFTWARE.

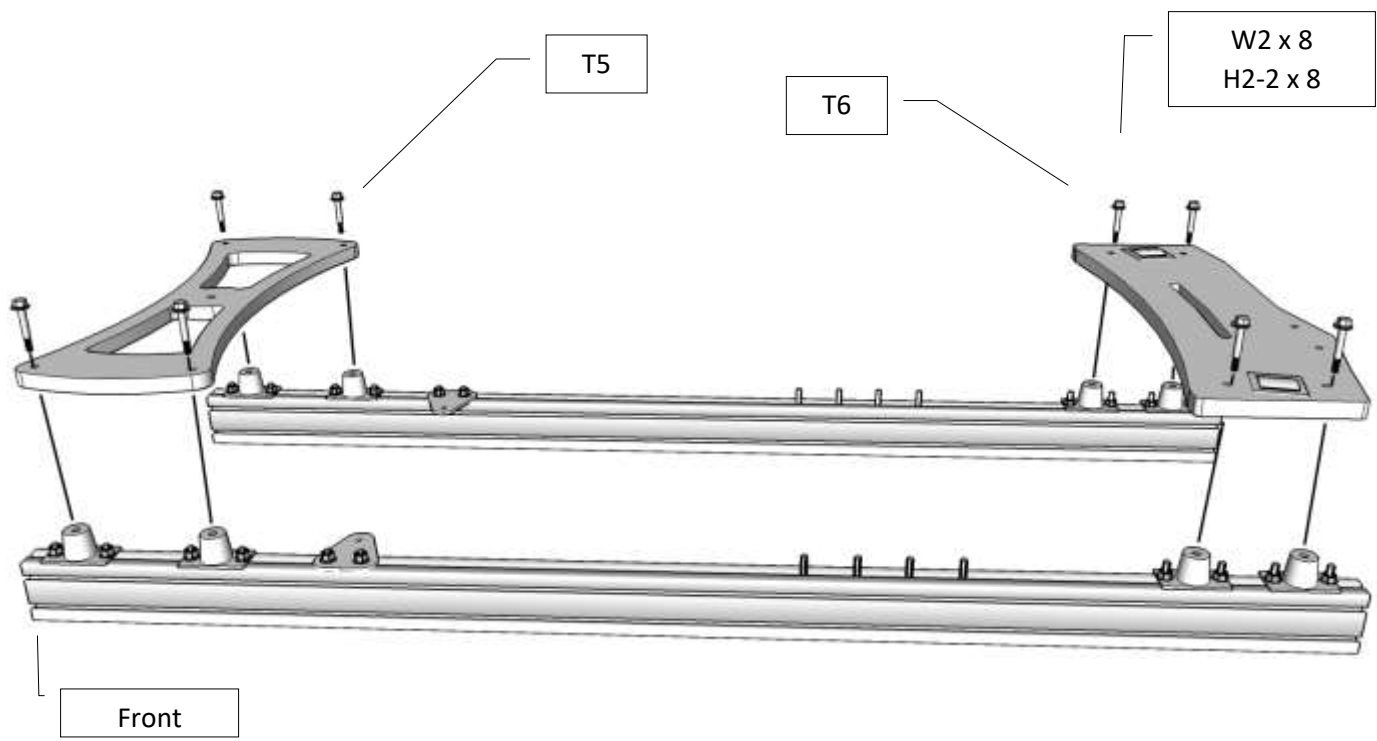


Insert two R1 rollers into the bottom of the T6 glider panel as shown. The glider panel should roll side-to-side when the rollers are installed correctly.

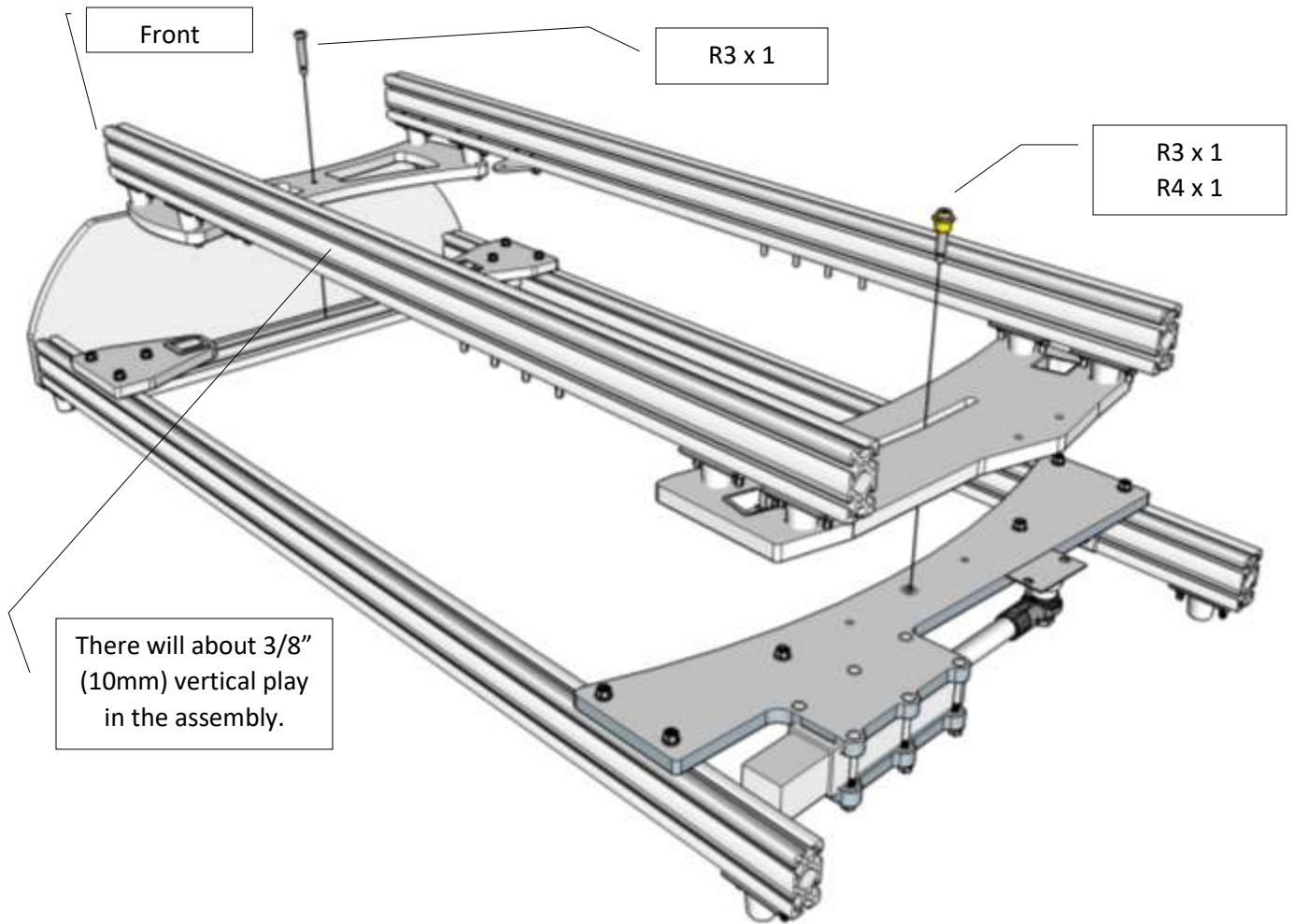


Install the C2-1 bolts shown above to the E1 rails for the main chassis. Position the A10 vibration mounts from each end as shown below. Position the A1 plates and finger tighten, the exact location will be determined later.

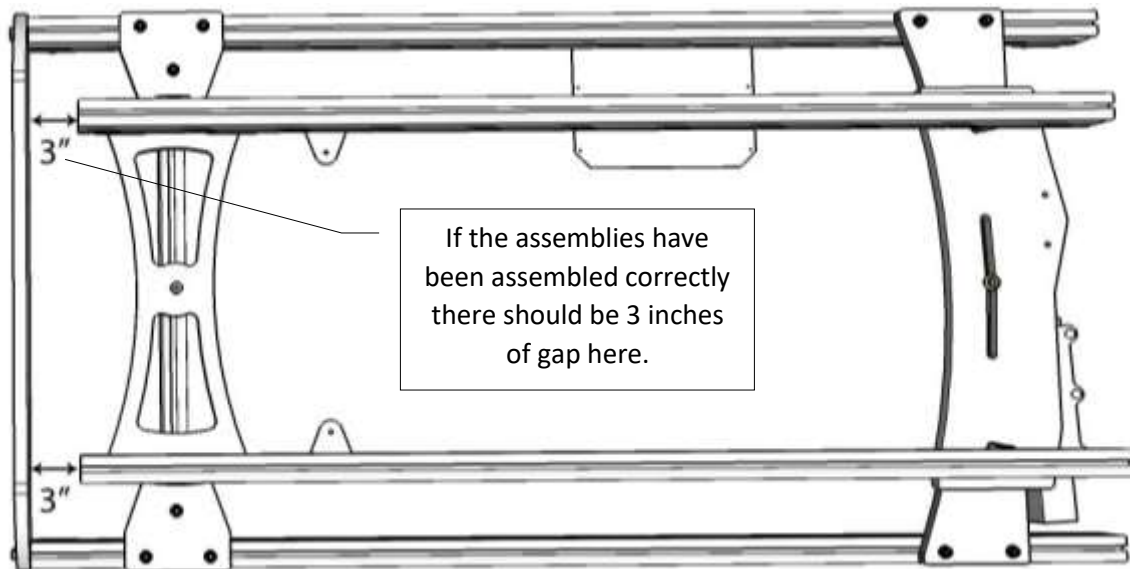


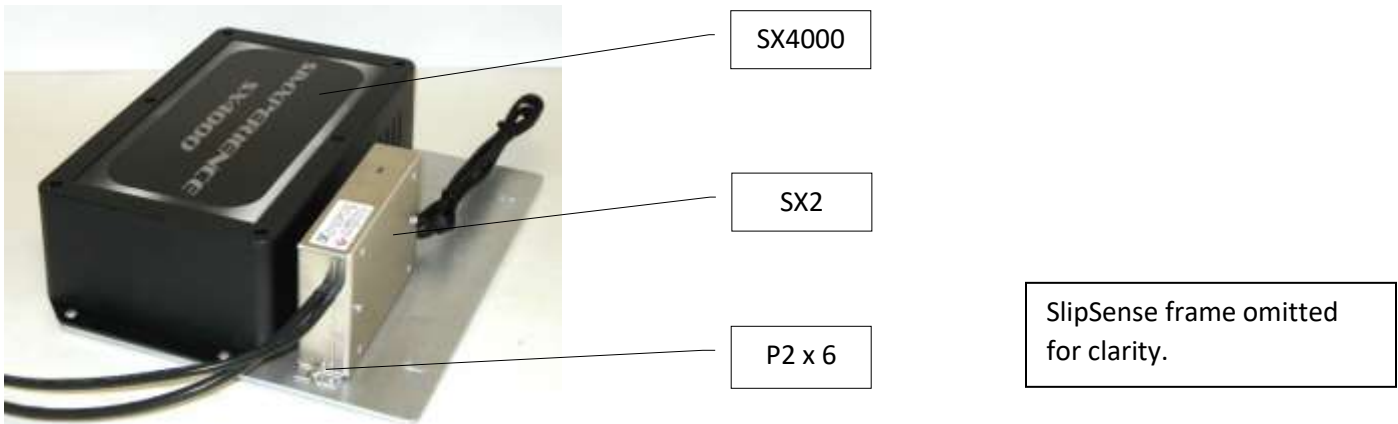


Attach the T5 and T6 panels as indicated above. Be sure to mount the T6 with the rollers facing up.



Flip the sub-assembly over and attach it to the SlipSense platform with the R3 and R4 hardware as shown.





Connect the single cable from the SX2 controller to one of the ports on the SX4000 power supply. Mount the SX2 and the SX4000 power supply to the mounting plate using the P2 screws.

Connect the SX1 actuator to the twin cables from the SX2.

Make note of the serial number of the SX2 controller. This will be the serial number for the REAR ACTUATOR when configuring the software.

Rear Actuator Serial Number: \_\_\_\_\_

## **ATTENTION!**

If you have started building the SlipSense add-on you are now ready to begin the assembly of the main chassis and should advance to 33.

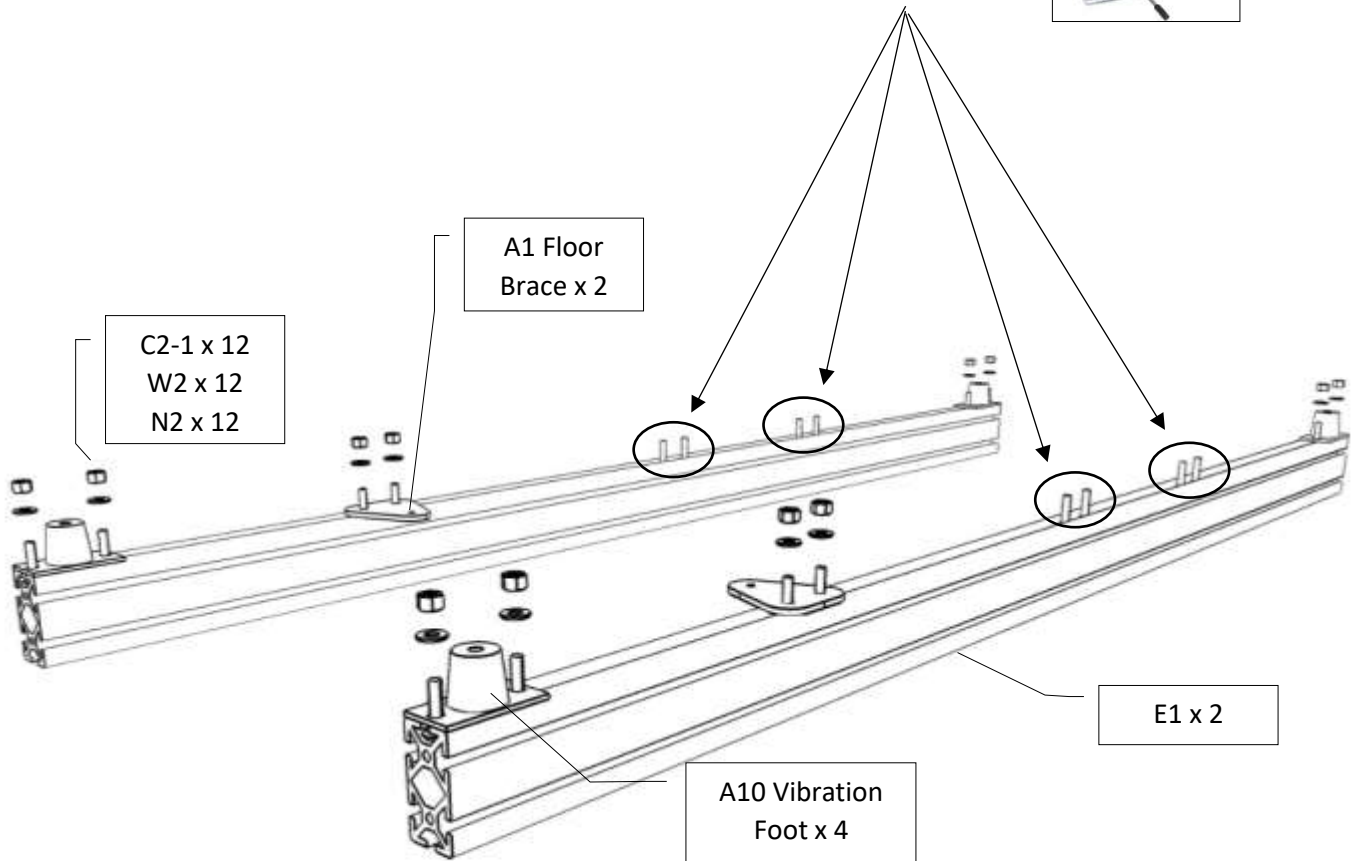
If you will not be building the SlipSense add-on then you should begin the build on the next page.

# Assembly of Main AP-Xtreme Chassis

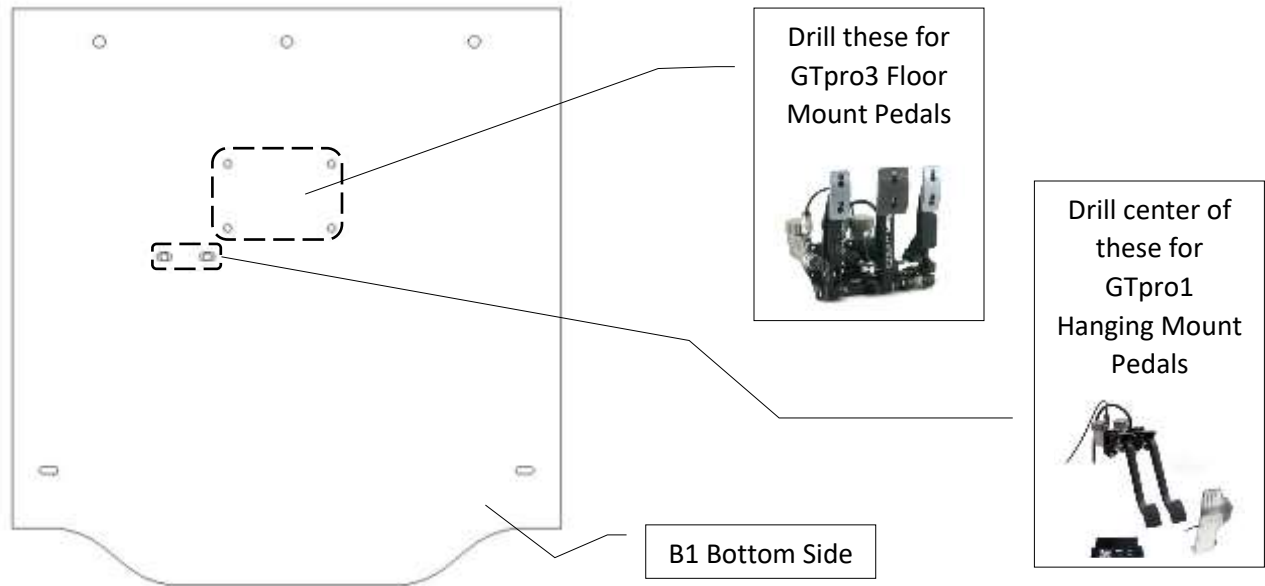
Place Rails E1 on the ground as shown. Slide 6 C2-1 carriage bolts into the slots as shown and secure each A10 vibration foot even with each end with the indicated washer and nut. Tighten these bolts. Then loosely secure the floor brackets about ¼ way from the front end of the rails. Do not tighten these yet.



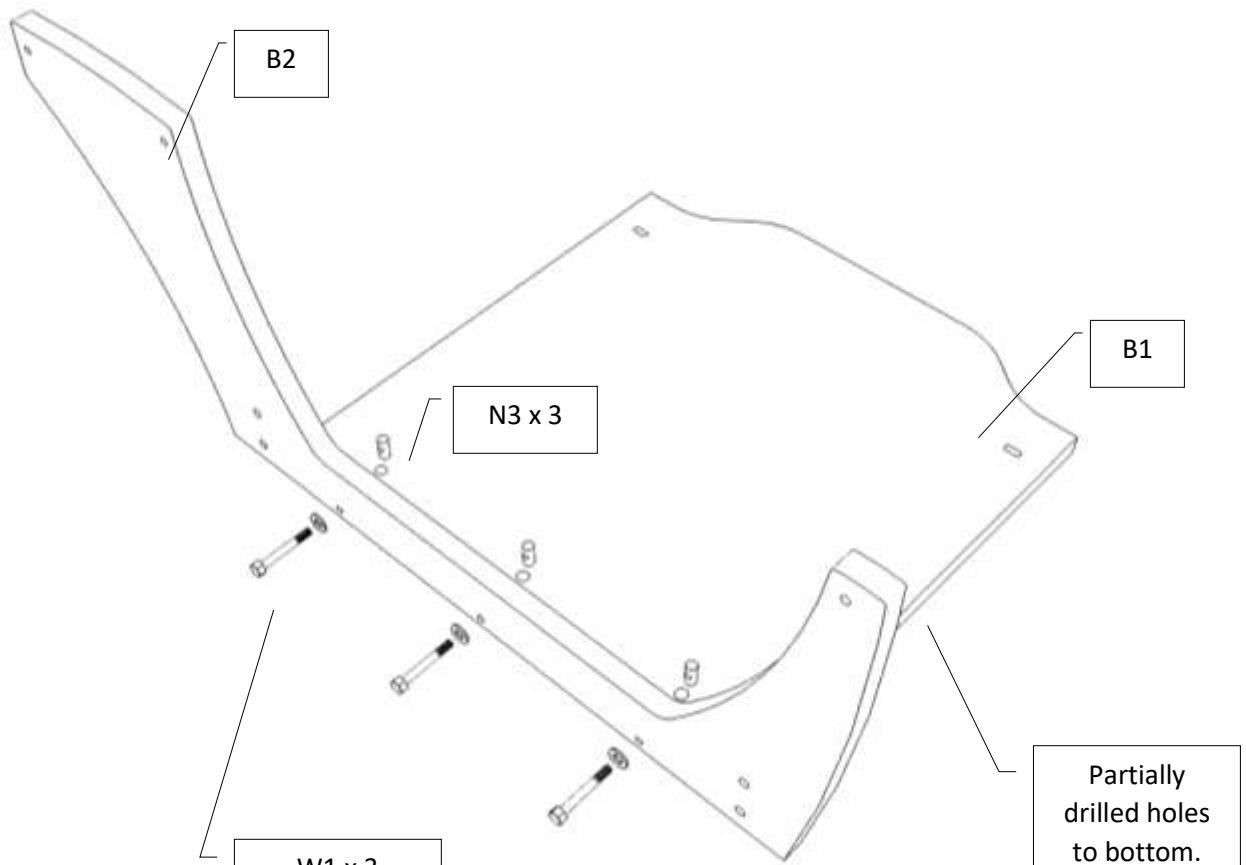
If you are installing seat sliders for a real racing seat, please install 8 additional C2-1 Bolts into the rails here.



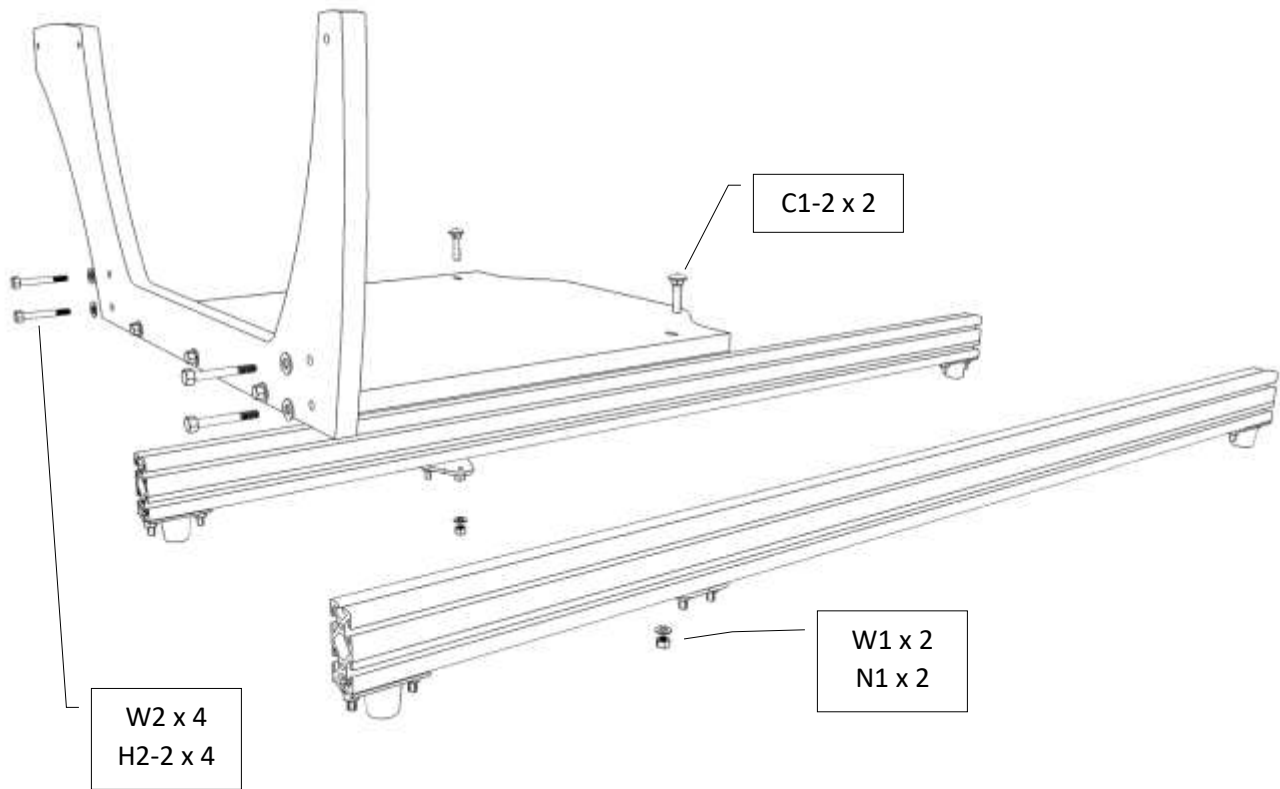




Using a ¼" (7mm) drill bit drill through the partial holes according to the pedals you are using. These holes may have been drilled for you before it shipped. It will be easier to attach these pedals to the floor now.



Secure the B1 floor panel to the chassis using the fasteners indicated. Hand tighten these bolts. The wider side of the front cap should go toward the shifter side. By flipping this panel around the chassis can be assembled as a left or right-hand drive.



Turn the E1 rails so they stand on the rubber vibration feet. Lower the assembled floor and front cap between the rails and secure using the indicated bolts and washers at the front. Then slide the floor brackets into alignment with the holes on the floor and secure using the fasteners indicated. Insure all the pieces fit tight together and tighten the front and floor bolts.

 Refer to the pedals you will be installing and advance to the section indicated below.



If you will be installing Thrustmaster or Logitech pedals in the inverted position please advance to page 36.



If you will be installing GTpro3 or other floor mounted pedals please advance to page 41.

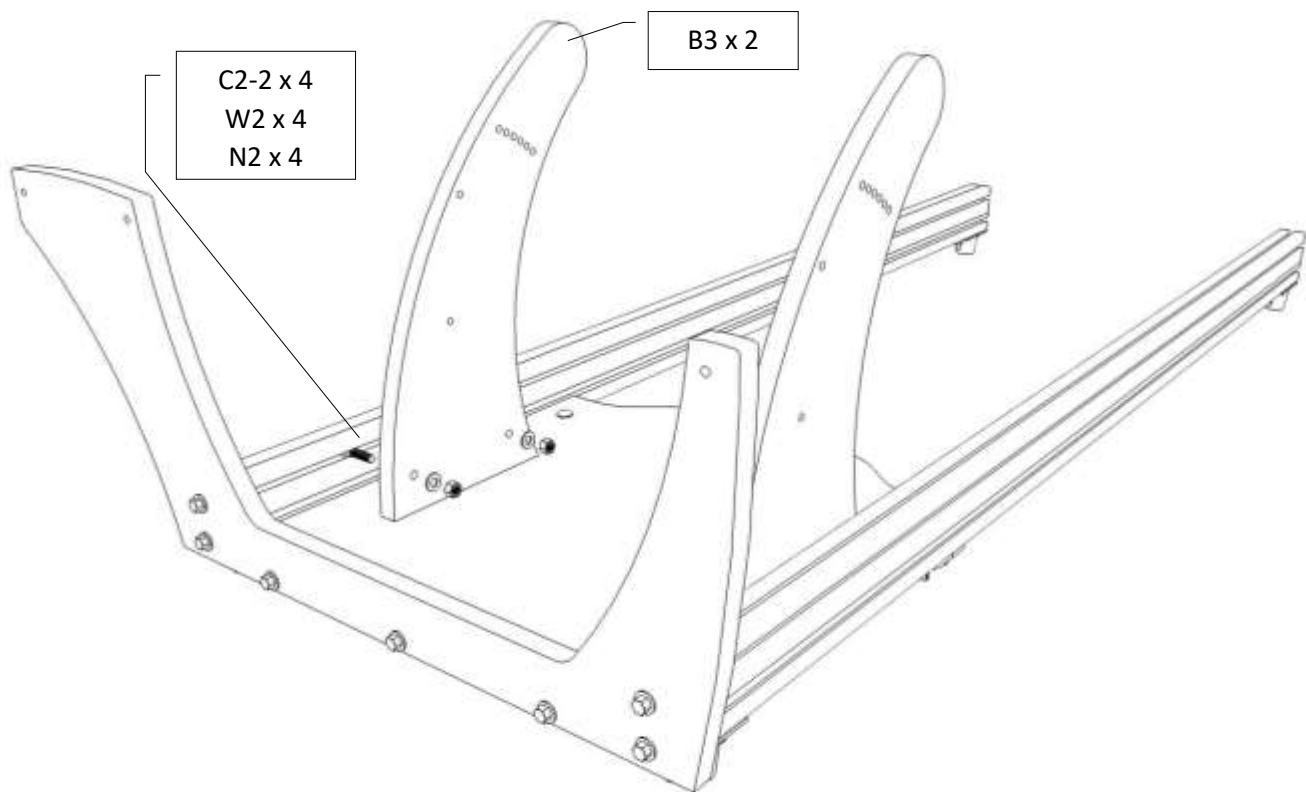


If you will be installing GTpro1 pedals in the inverted position please advance to page 38.



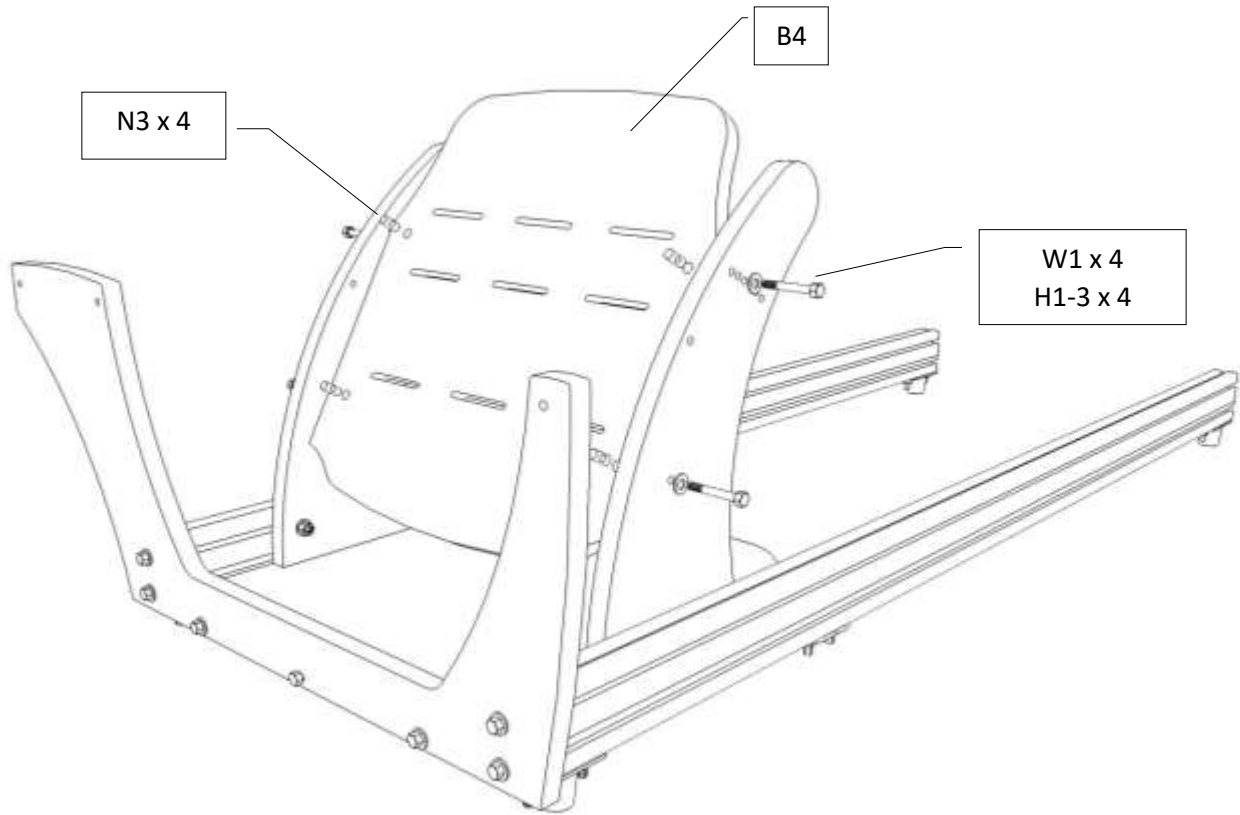
If you will be installing the dead pedal please advance to page 39.

This page only applies to the Thrustmaster/Logitech Inverted Pedal Mount



Attach the pedal arches pointing back toward the driver as shown. Slide 2 carriage bolts C2-2 into the upper inside rail from the rear of the rail. Secure the arches with washers and nuts indicated above. Only finger tighten these bolts until the pedal are adjusted into their final location.

This page only applies to the Thrustmaster/Logitech Inverted Pedal Mount

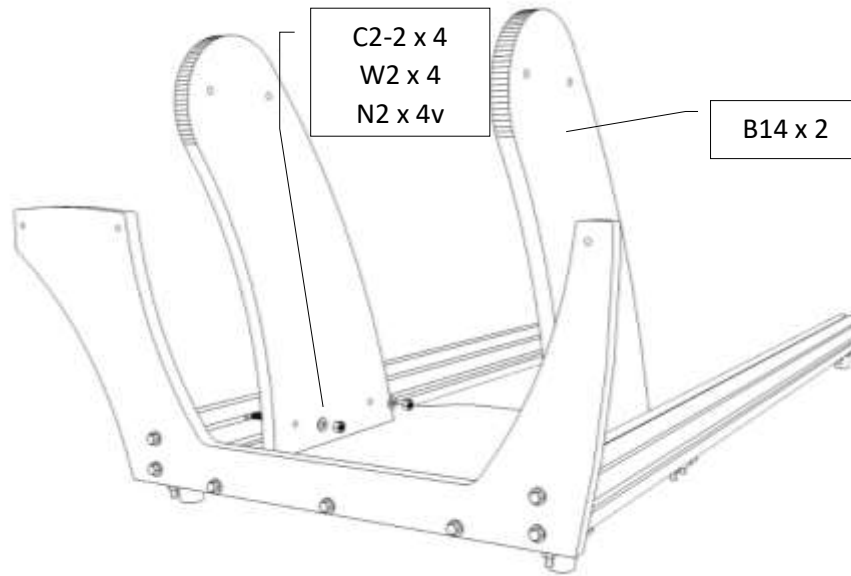


Attach the pedal deck B4 to the pedal arches using the hardware indicated. Do not tighten these until the final position has been determined.

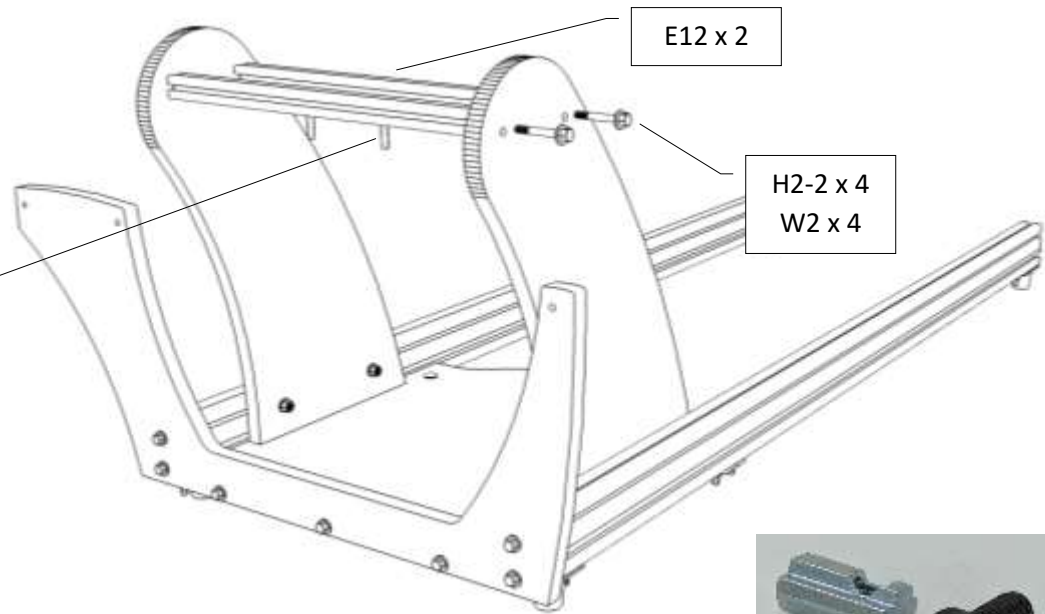


Please advance to page 41.

This page only applies to the GTpro1 Inverted Pedal Mount



Install B14 arched panels using hardware indicated above



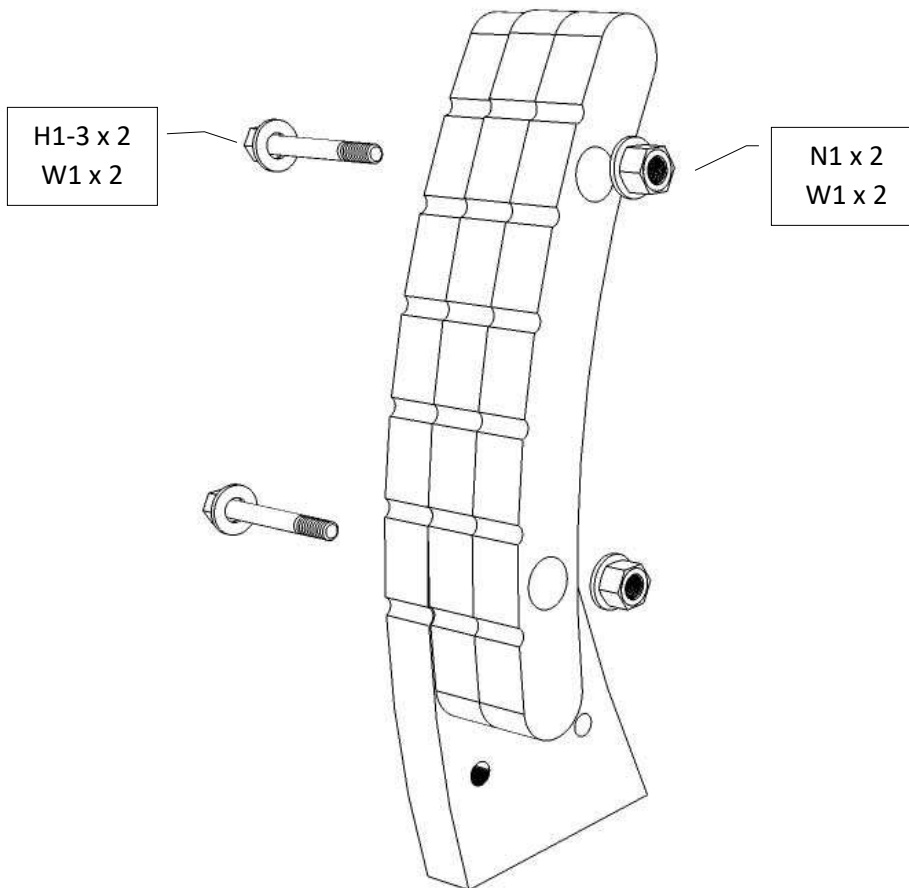
Slide three specialized insets into the bottom slot of each E12 extrusion. Mount using the hardware indicated above.

 Please advance to page 41.

This page only applies to the Dead Pedal

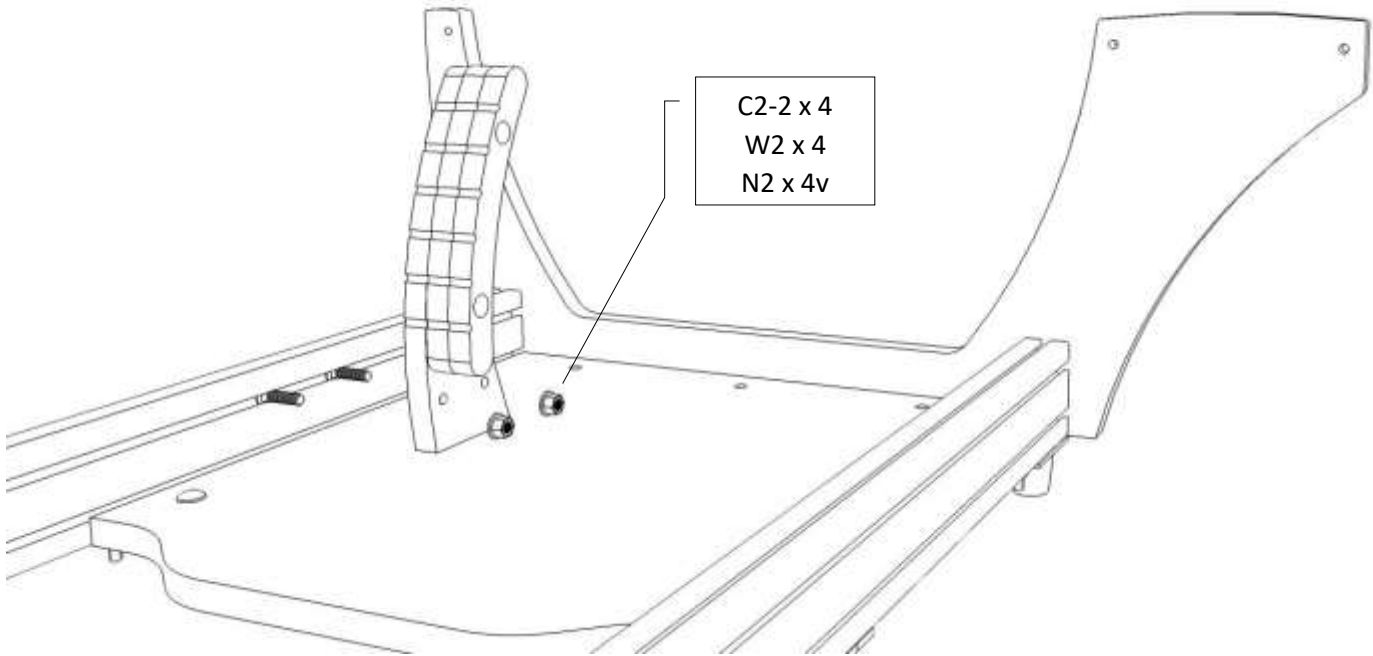


Assemble the dead pedal to achieve the desired positioning as shown below.

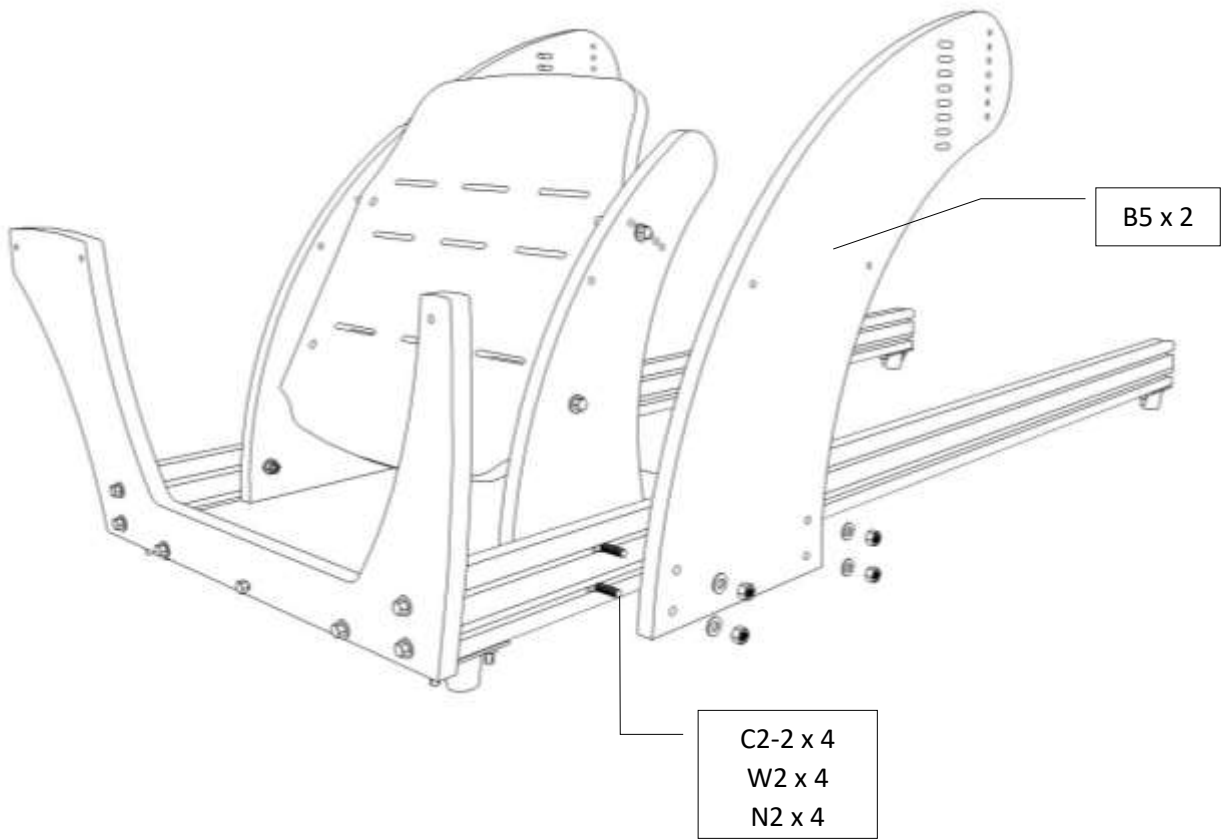


Assemble the pedal as shown above.

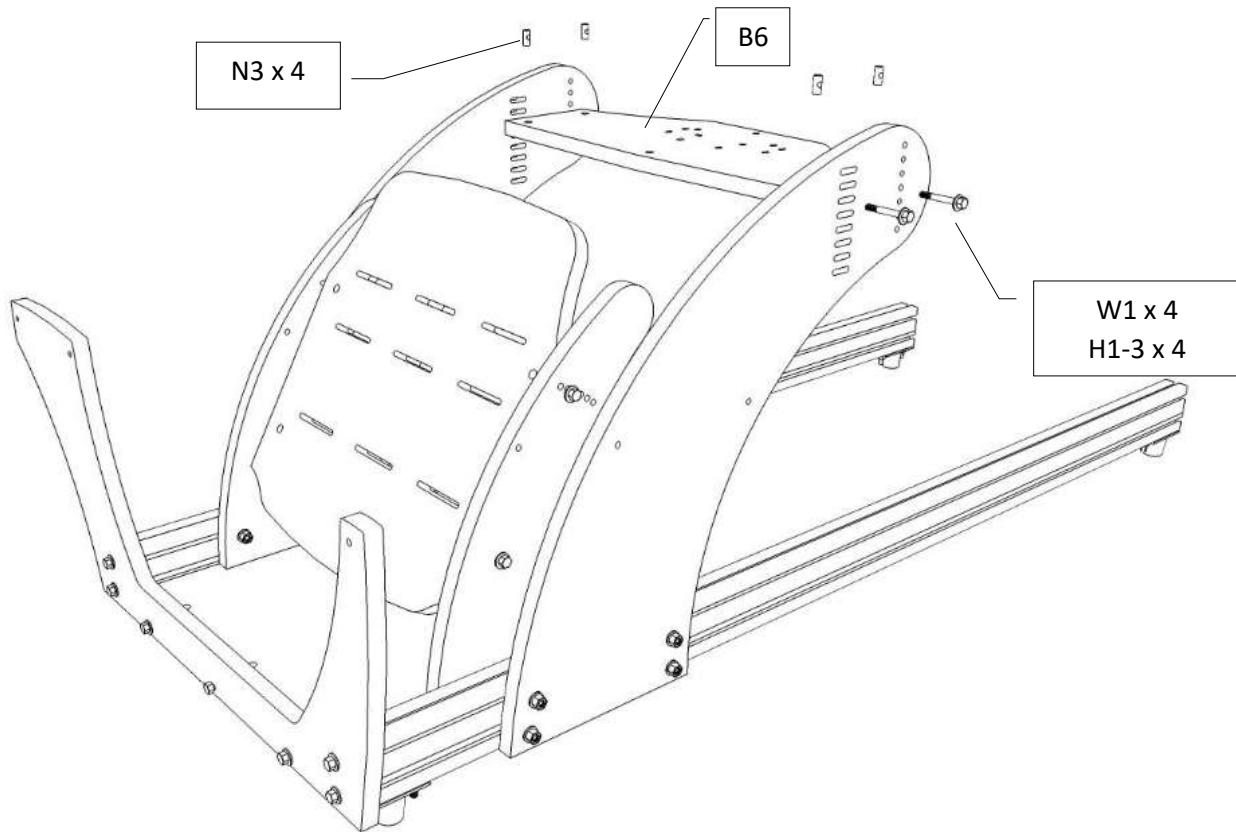
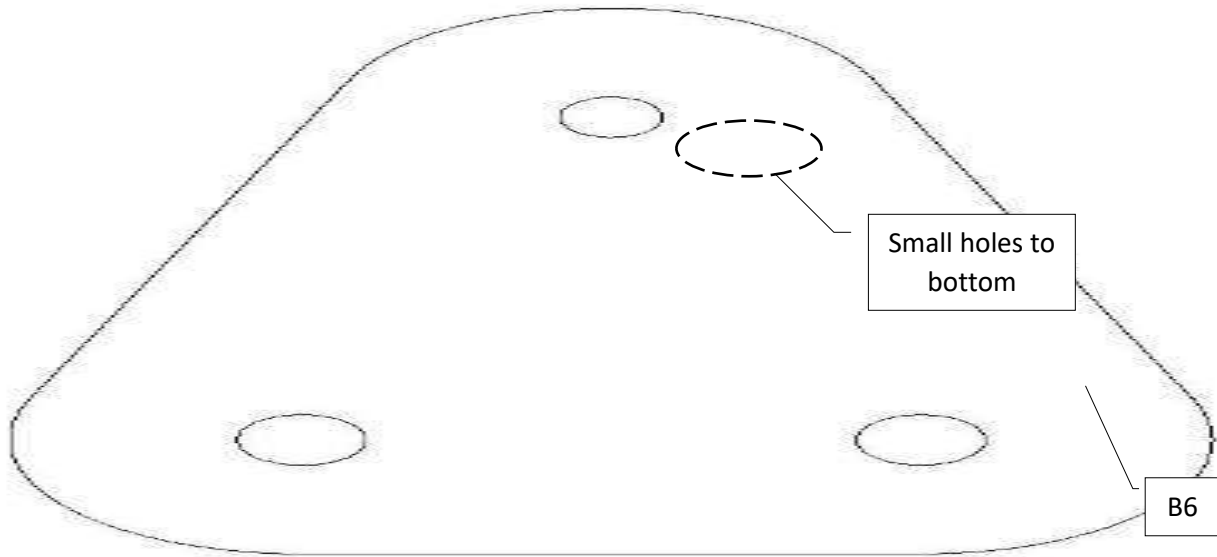
This page only applies to the Dead Pedal



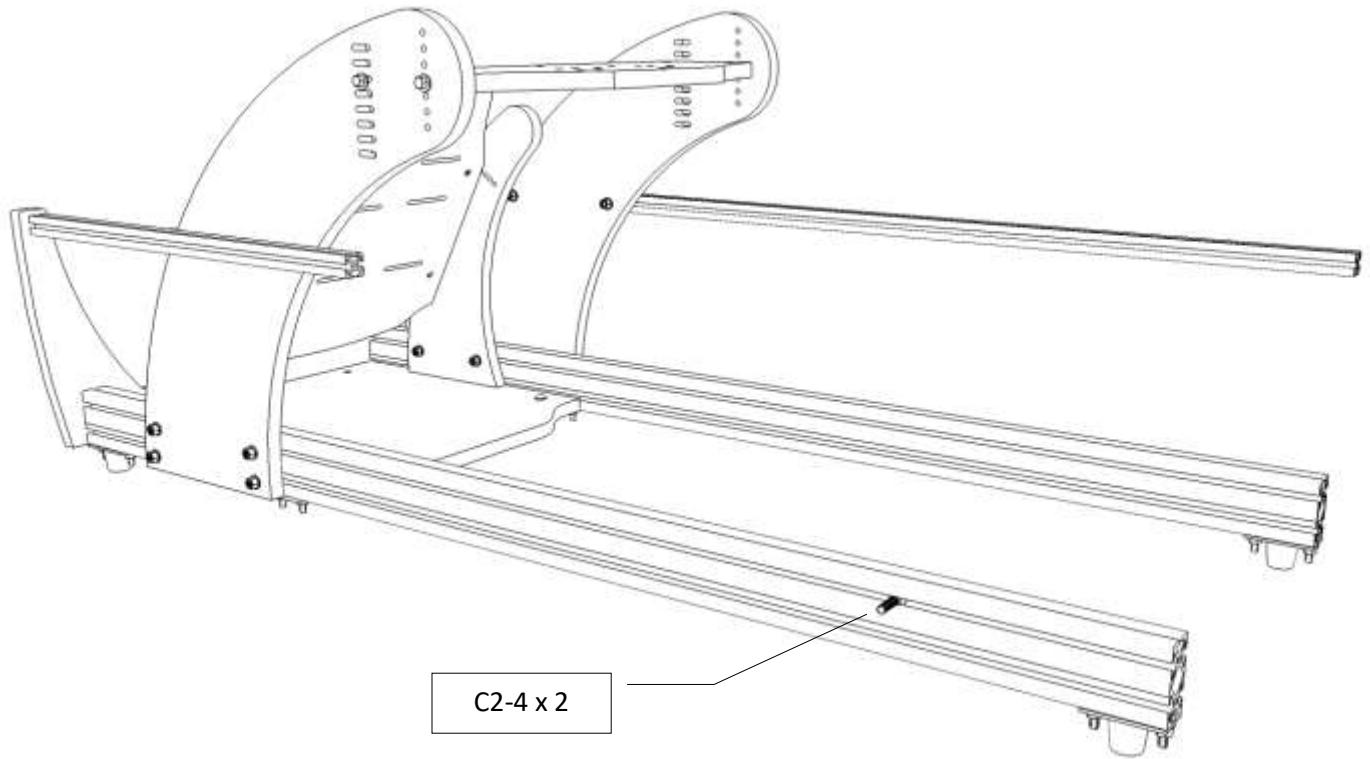




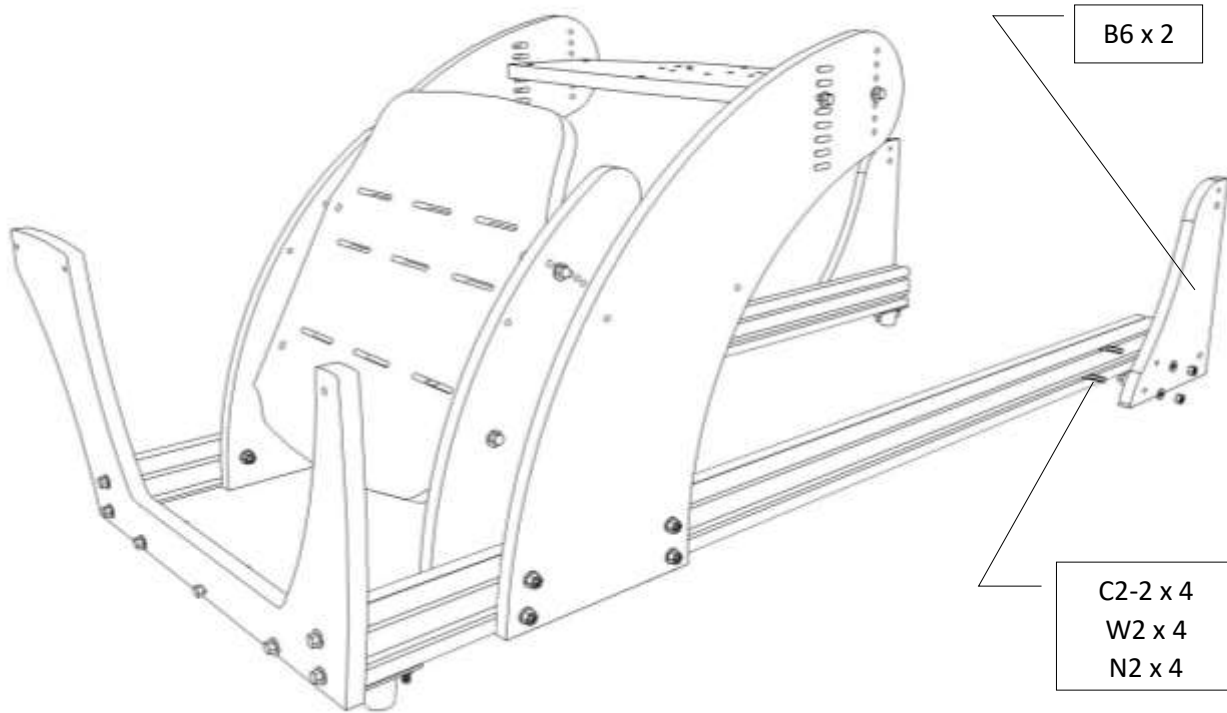
Slide C2-2 carriage bolts into each outer slot of the rails. Mount the pedal arches to the outside of the rails as shown. Do not tighten the bolts until final positioning is determined.



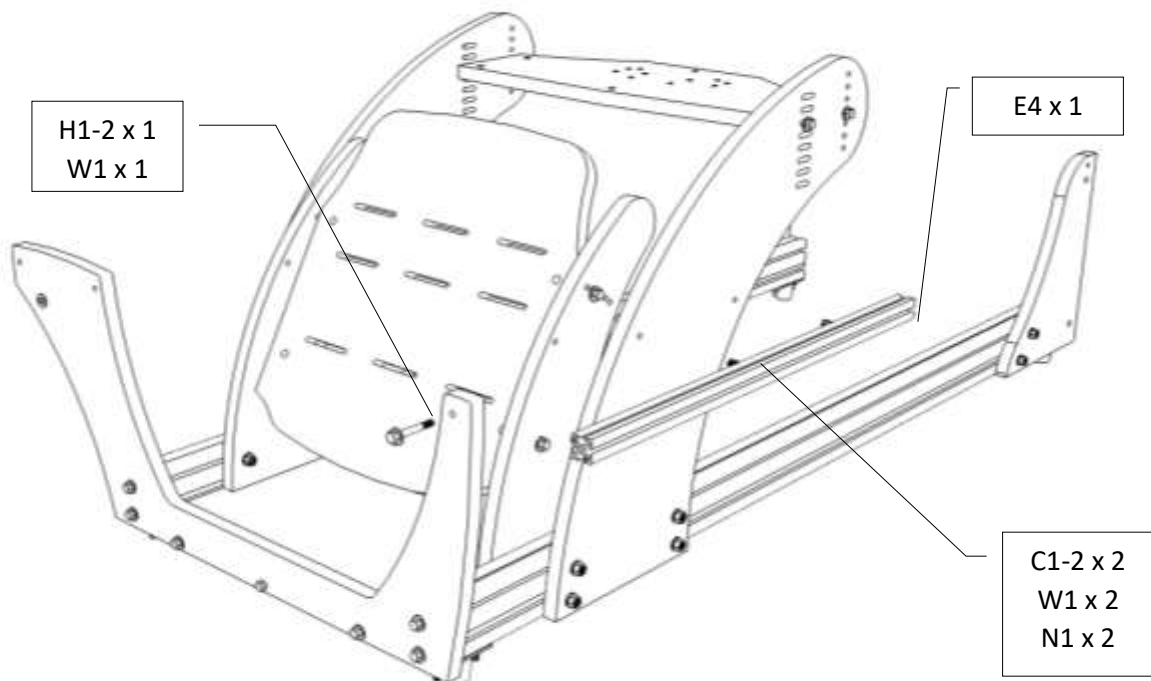
Mount the B6 wheel deck using the fasteners indicated. Do not tighten these bolts until final position is determined.



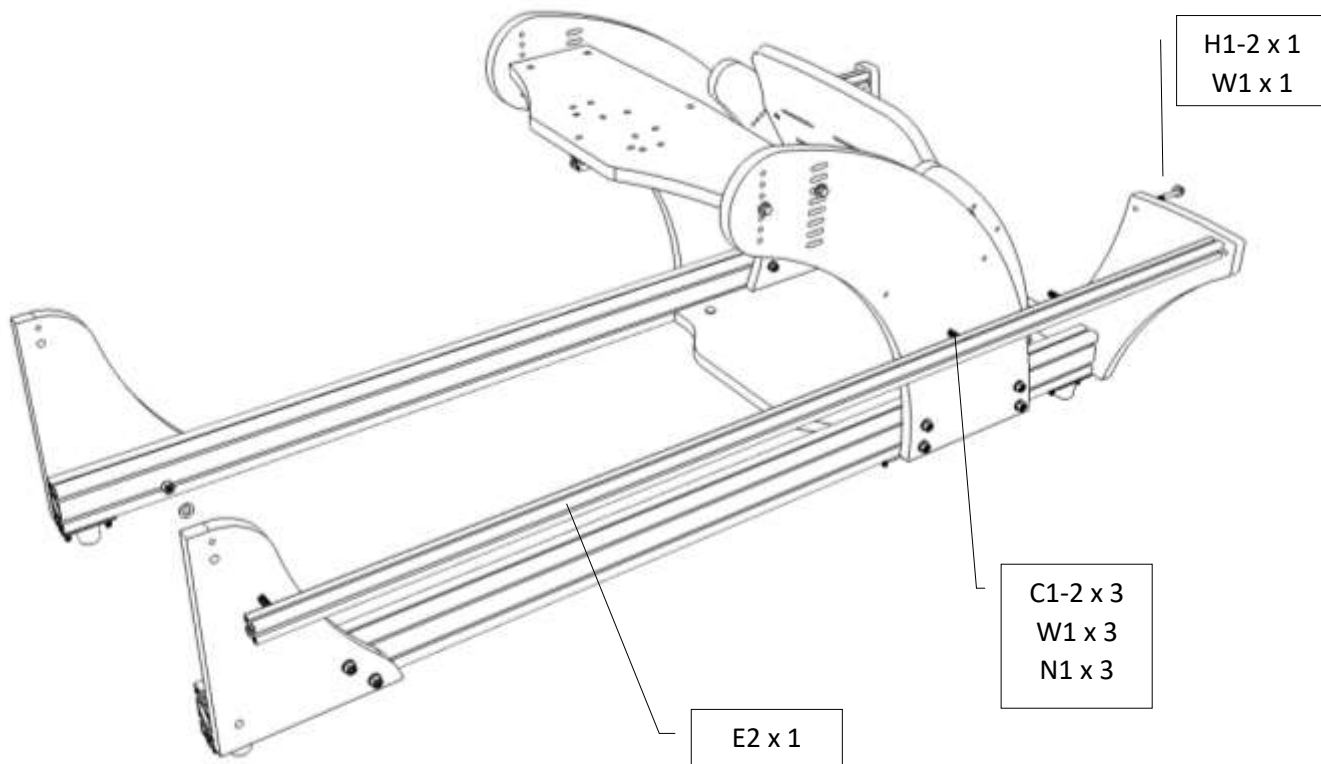
If installing seat belts as part of the g-Sense active seat belt system, then pre-install the bolt shown above on each side.



Mount the B7 rear wings using the fasteners indicated. Align them even with the back of the rails and tightened them into place.



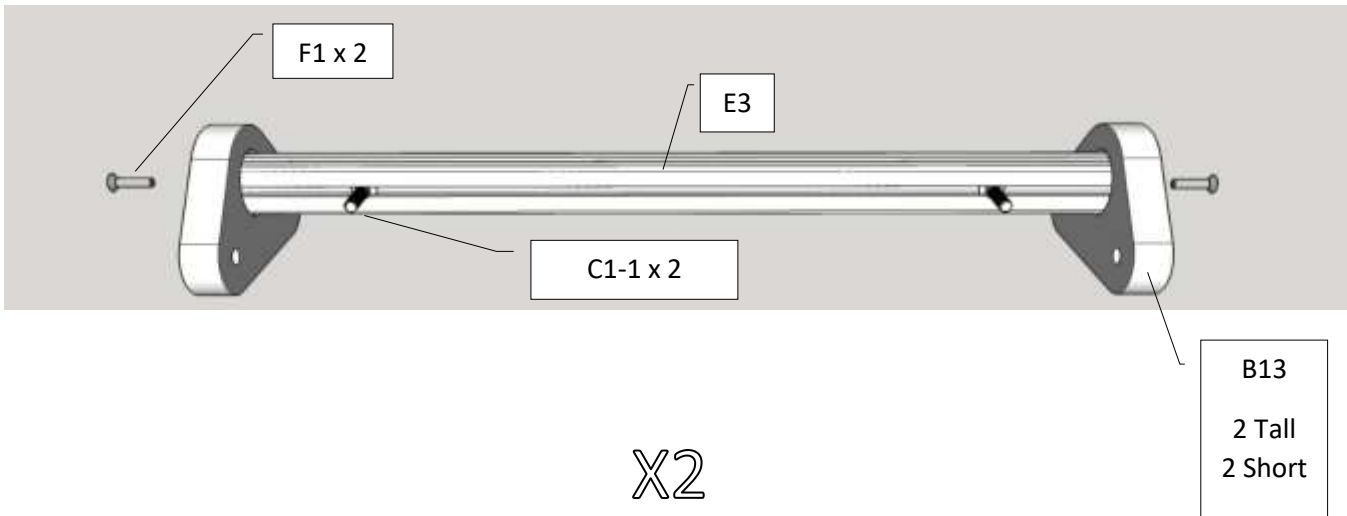
Mount E4 on the non-shifter side with 2 C1-2 carriage bolts and 1 H1-2 carriage bolt near the front of the chassis. Secure to the front cap with H1-2 and W1 hex bolt and washer.



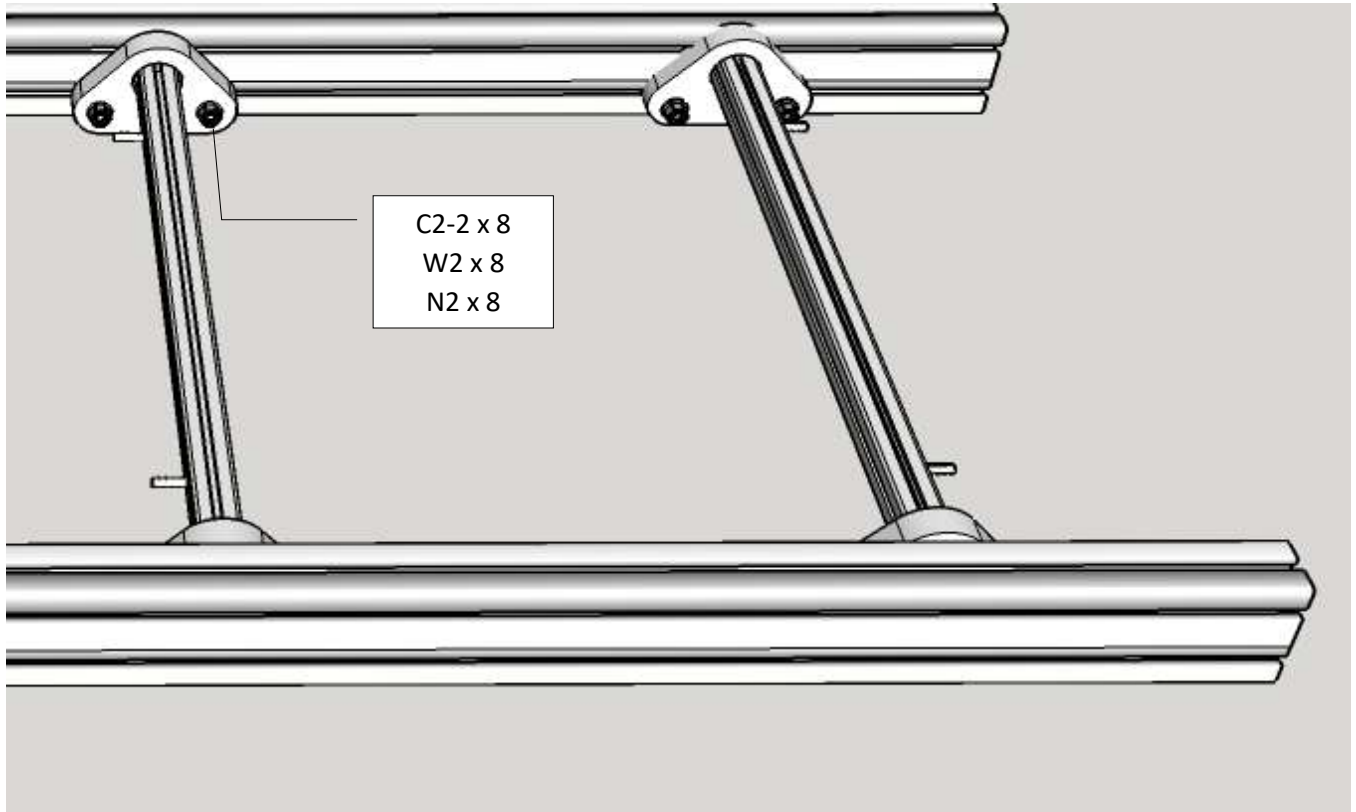
Take one E4 rail and install 2 C1-2 carriage bolts toward the front and 1 C1-2 carriage bolt near the rear of the chassis.



If you purchased the sliding rail option for a real racing seat then skip to page 48

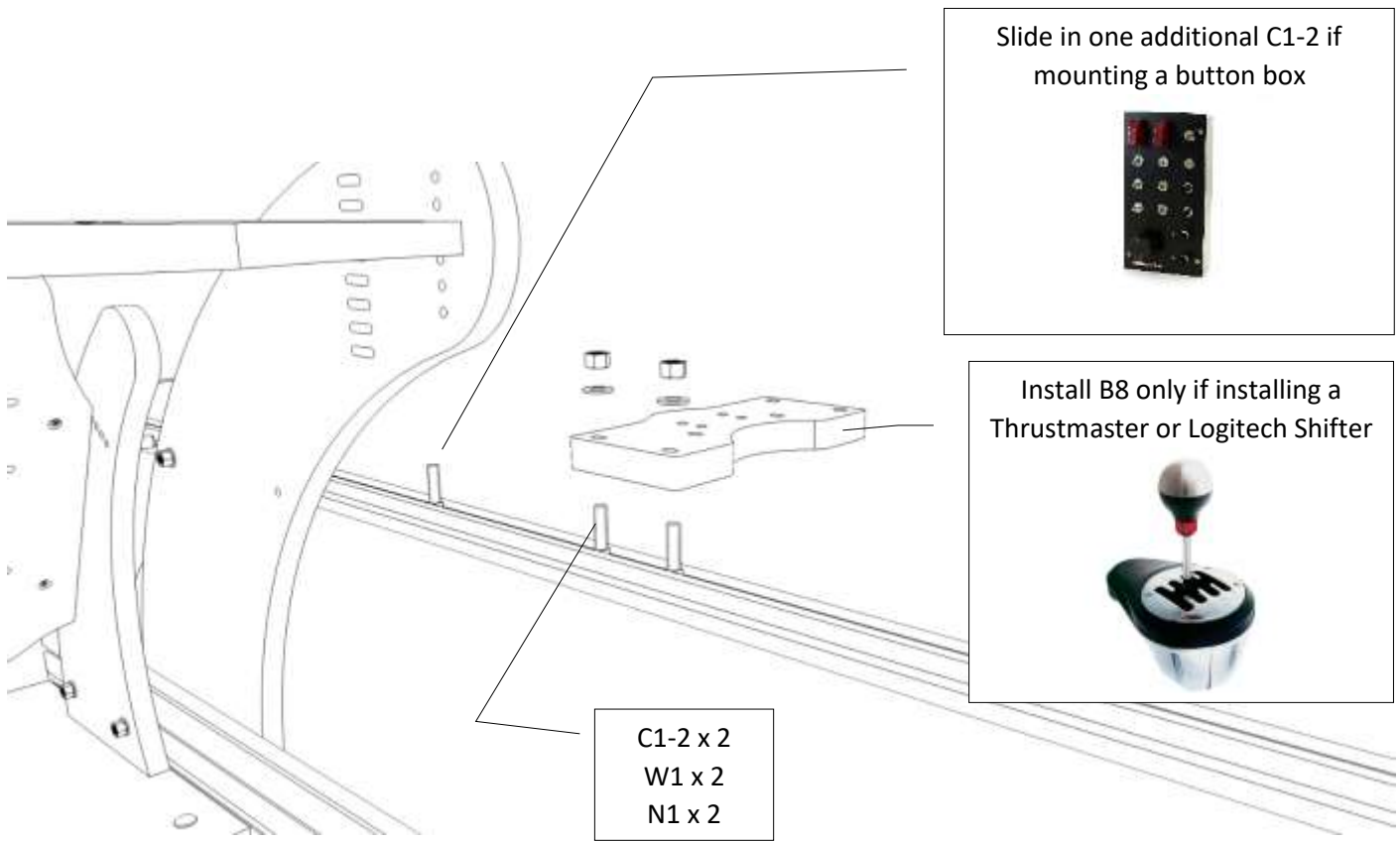


Insert 2 C1-1 carriage bolts into the slots as shown in preparation for mounting one of the Ricmotech seats. Screw the B13 end bracket into the end of cross-member E3.



Pre-thread the C2-2 bolts, washers and nuts onto the B13 brackets. Slide the crossmembers into the bottom slot using the taller one for the front crossmember and the shorter one for the rear cross-member. Finger-tighten the bolts until the seat is installed and its final position can be determined.

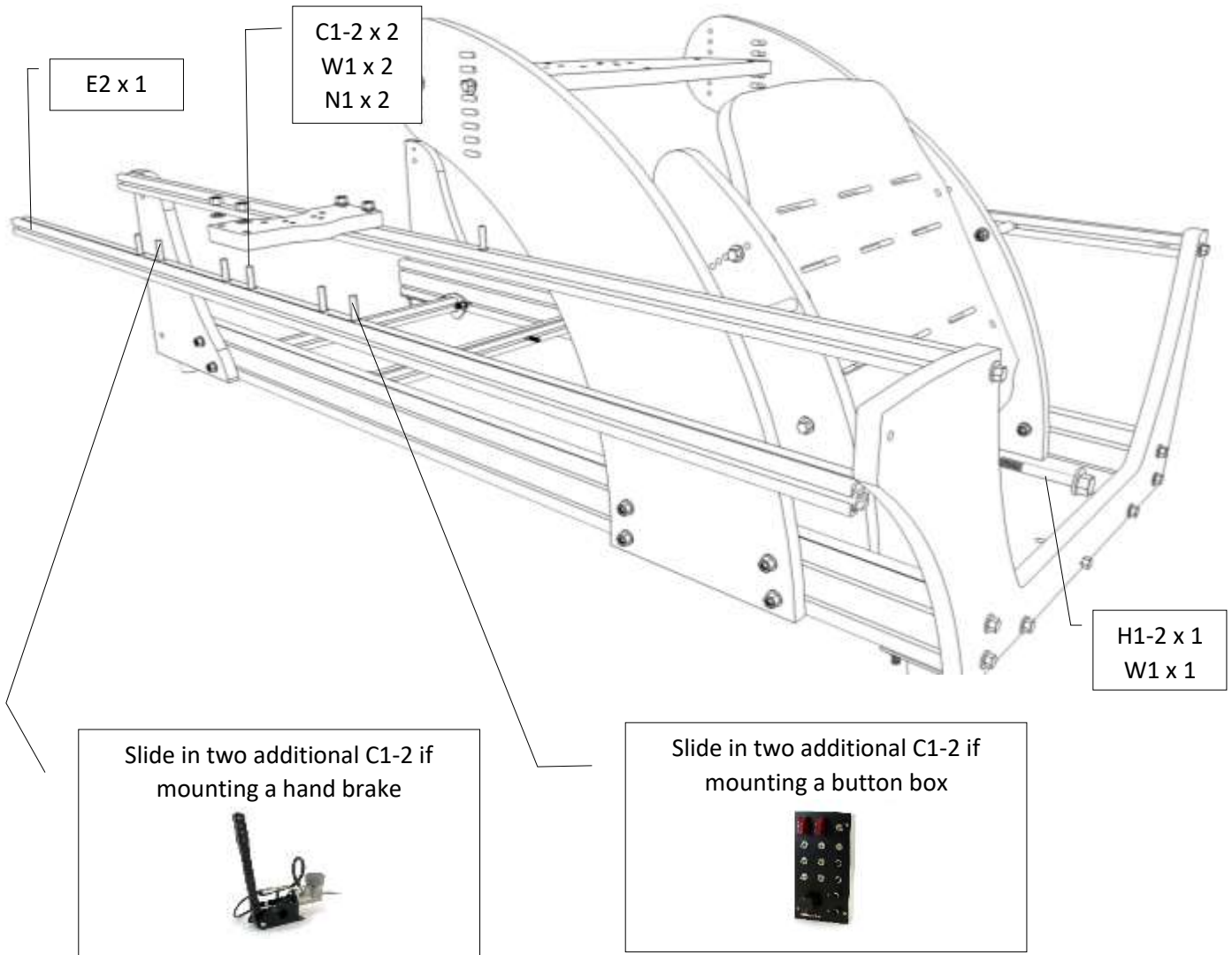
The triangular end pieces can be mounted in either the top or bottom slot, pointing up or pointing down and the shorter or taller one can be mounted in the front or back to help achieve the desired seating position.



Mount the B8 Shifter mount on the 2 inner holes using the hardware indicated.



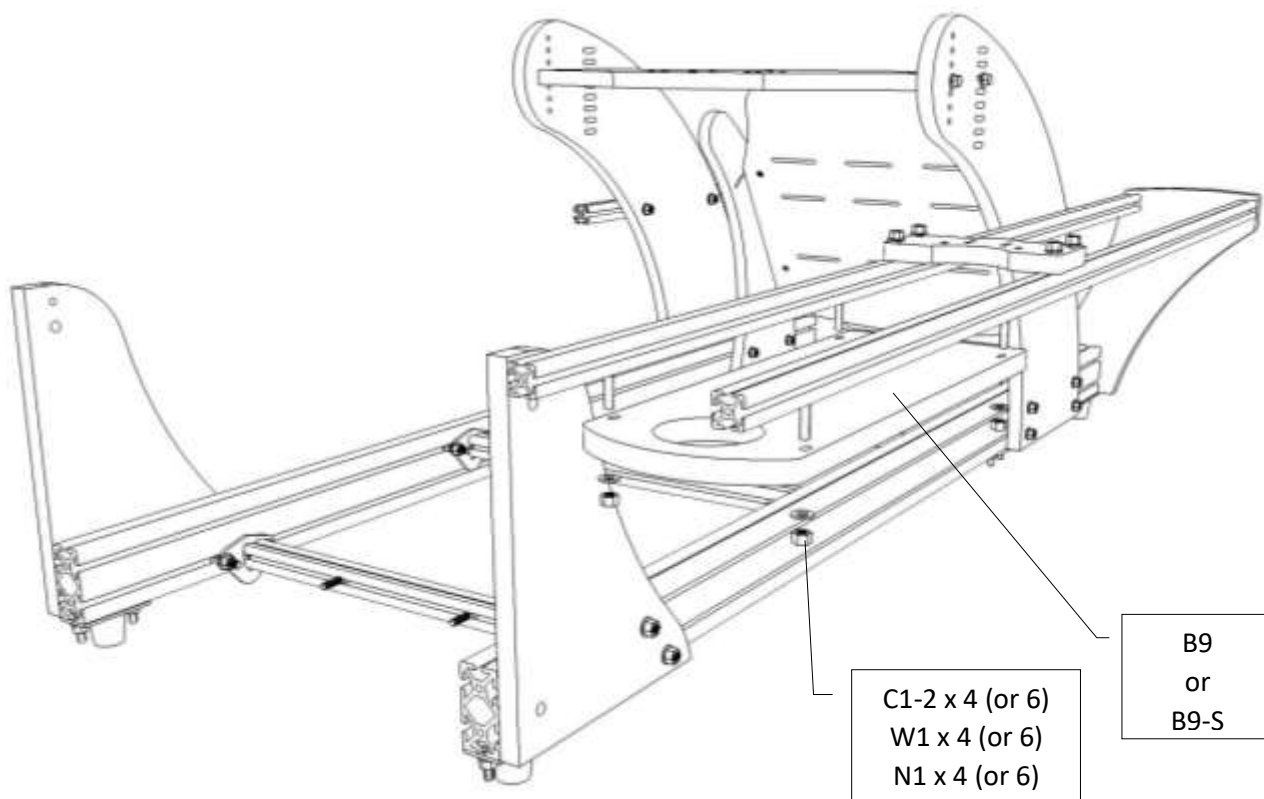
If you did not install B8 from the previous step then you will need to support E2 until the next step.



Mount the remaining E4 rail onto the bottom of the shifter mount and secure at the front with the hardware indicated.



If you will be installing a Pro shifter you will install B9-S or B9-H instead with the cup holder opening to the rear.



Mount the Keyboard tray underneath the E4 rails and secure with the hardware indicated.  
The cup holder may be oriented to the front or back.



If you will be installing a Fanatec Clubsport shifter then install the mounting brackets now.



C1-2 x 4  
W1 x 4  
N1 x 4

Mount the Fanatec Shifter adapters as shown using the hardware indicated. Save the M4 screws included with the brackets to mount the shifter later.



Refer to the main chassis you are assembling and advance to the page indicated below.



APX-1000

Proceed to page 55.



APX-2000

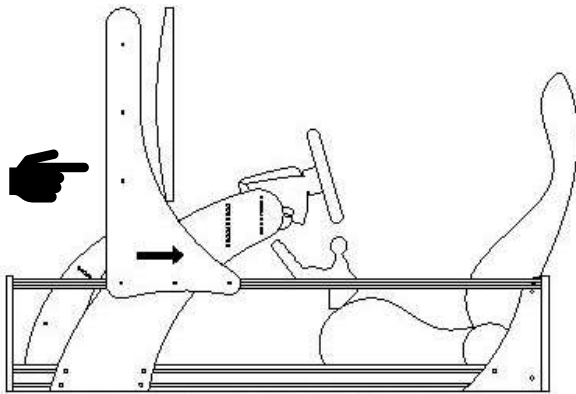


APX-3000

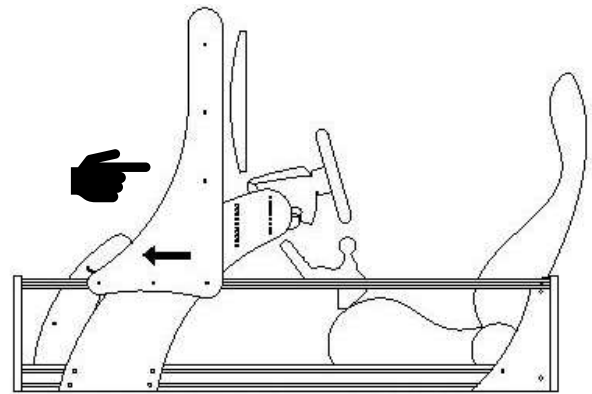


APX-3000UW

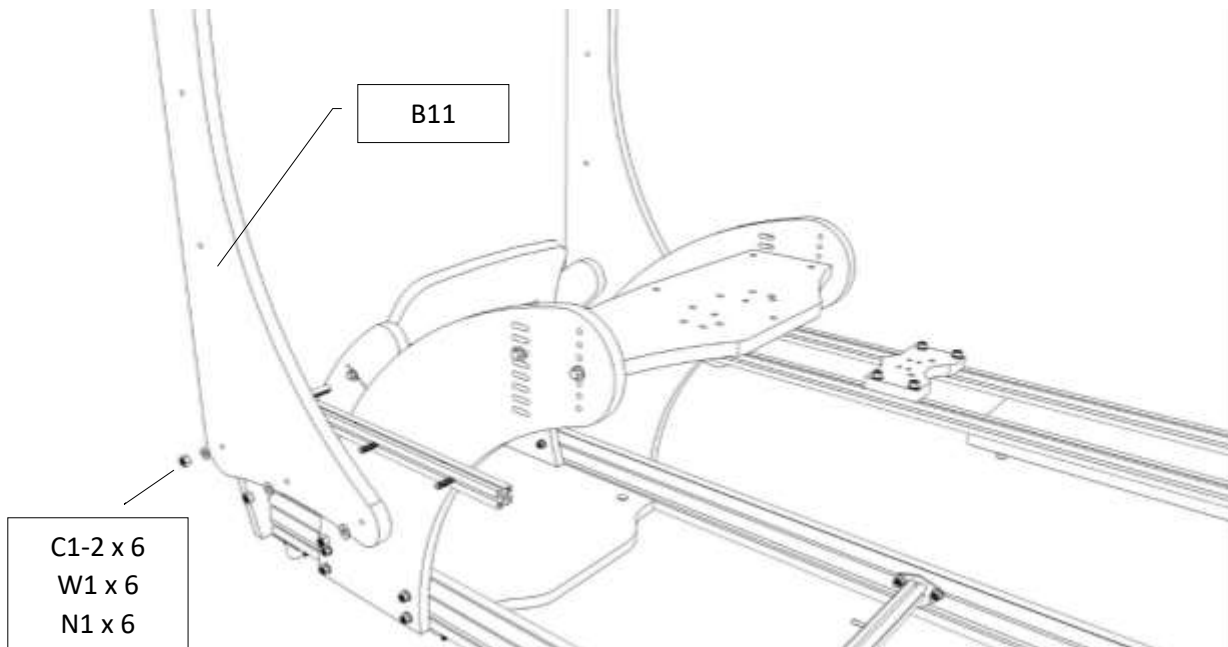
Proceed to next page.



FOR DISPLAYS LARGER THAN 32 INCHES



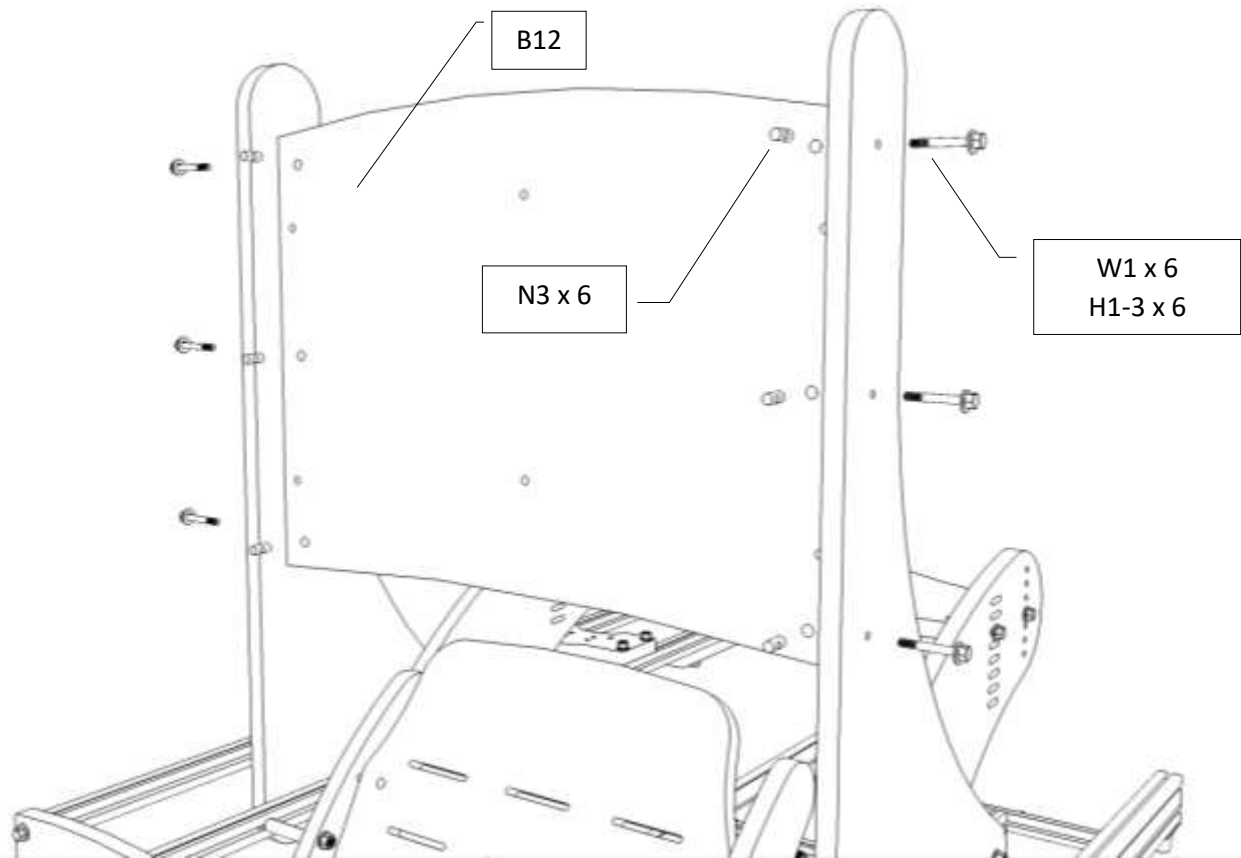
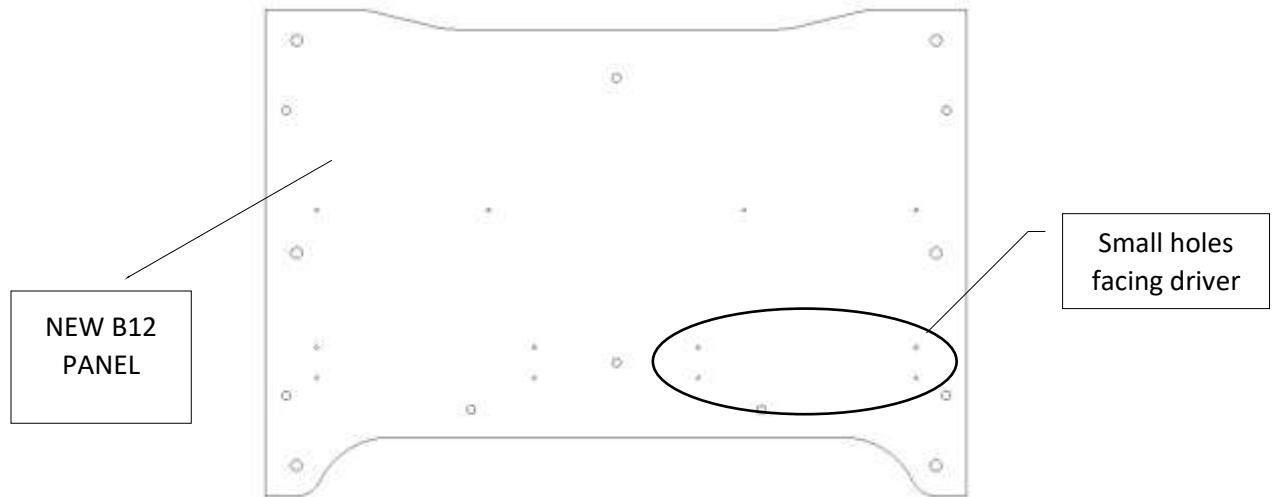
FOR DISPLAYS 32 INCHES AND SMALLER



B11

C1-2 x 6  
W1 x 6  
N1 x 6

Orient B11 depending on display size to be used to position the display the appropriate distance from the driver.  
Assemble the B11 monitor uprights using the hardware indicated.  
Do not tighten the nuts until final placement has been determined.



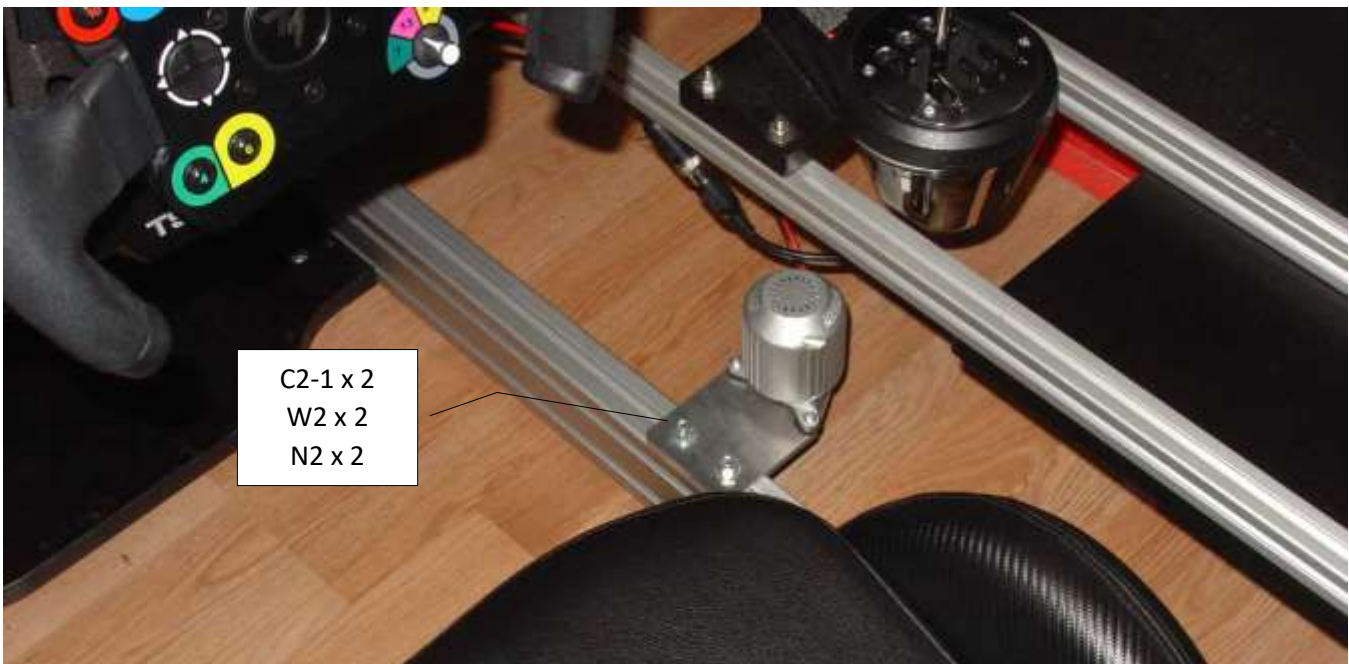
Mount the monitor transverse panel between the uprights with the hardware shown. Tighten these securely.



This page only applies to installing shakers.



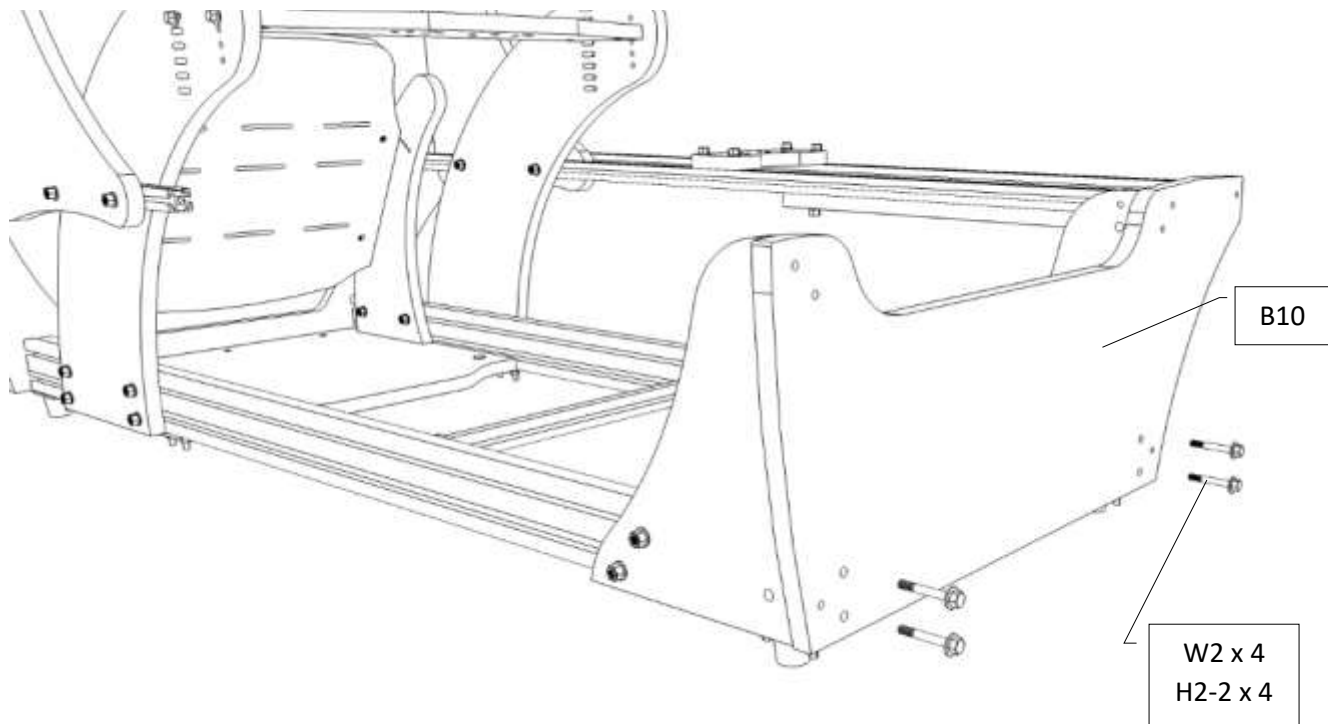
Use the hardware provided with them to mount the shaker to the bracket.



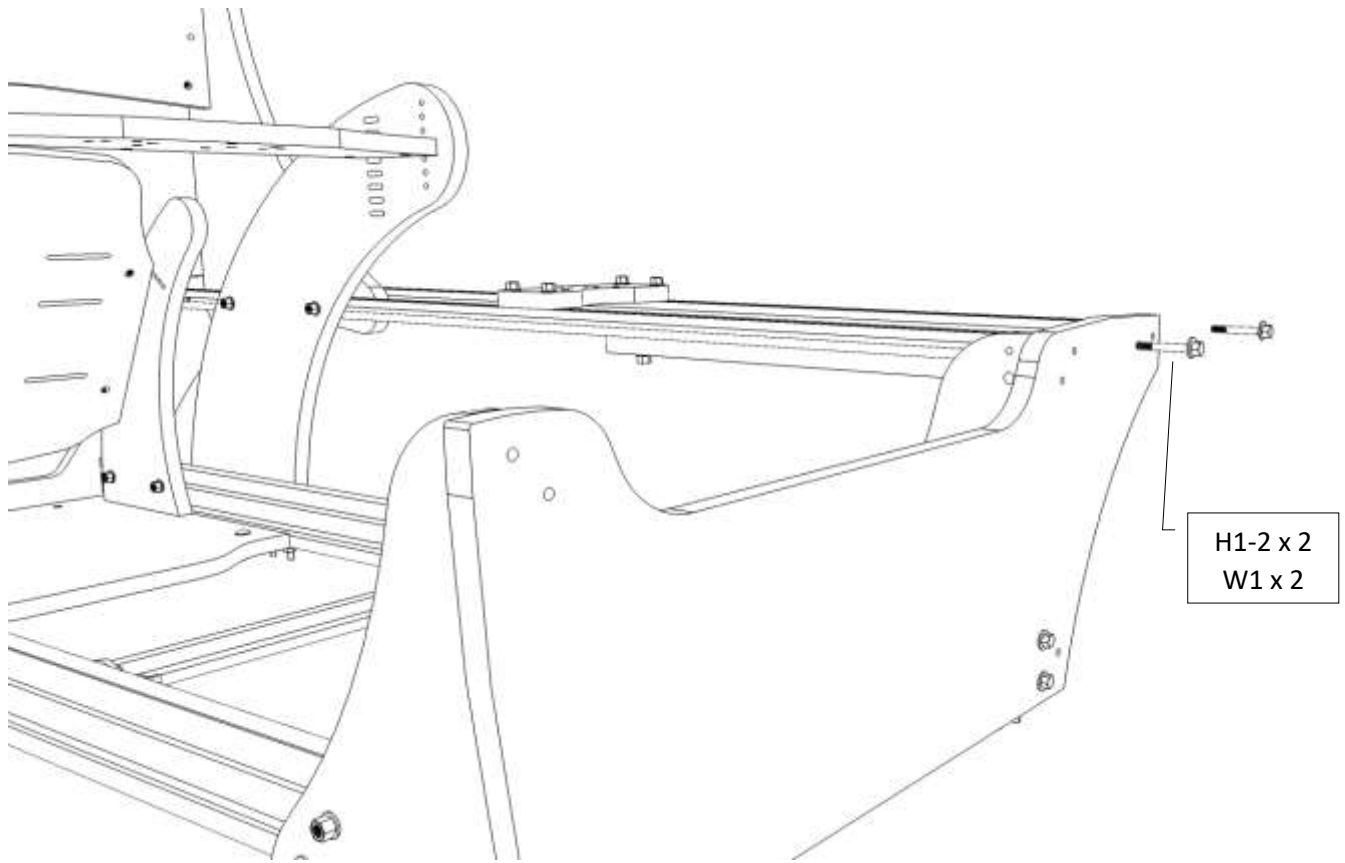
The recommended location for a single shaker is as shown below. Dual shaker can be mounted in opposite corners. The shakers may be mounted upside-down but must always be mounted vertically for prolonged life. Mount the shaker(s) now.



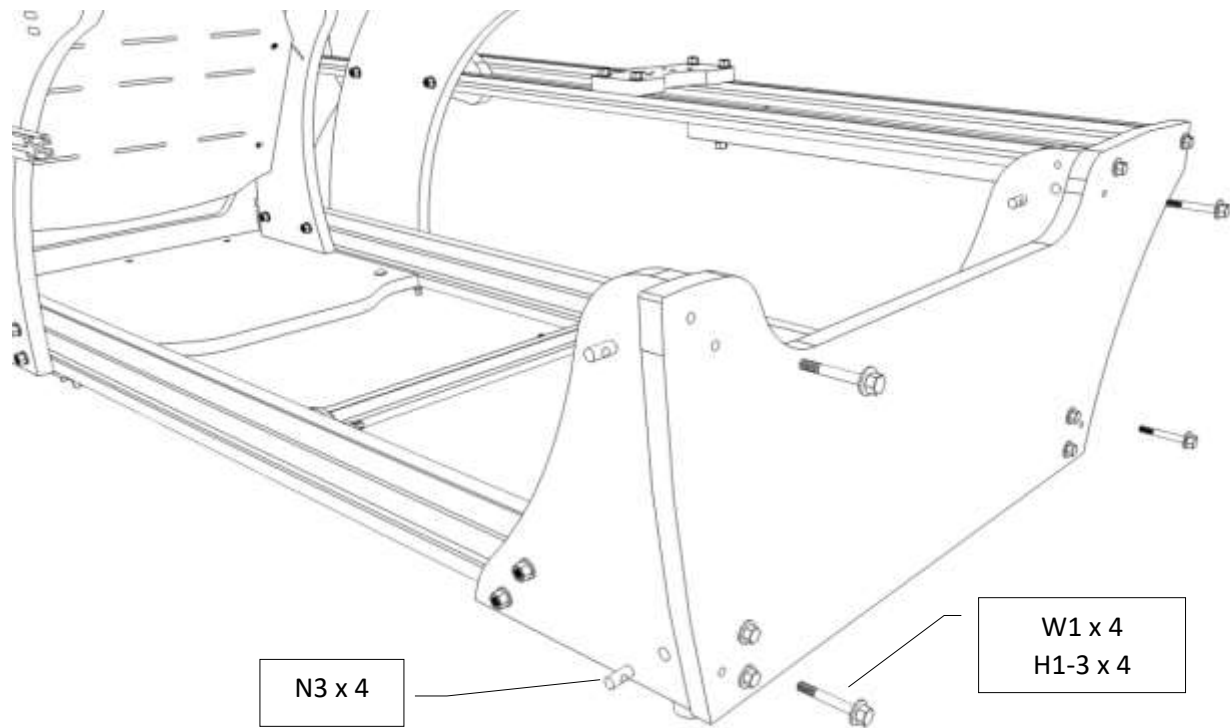




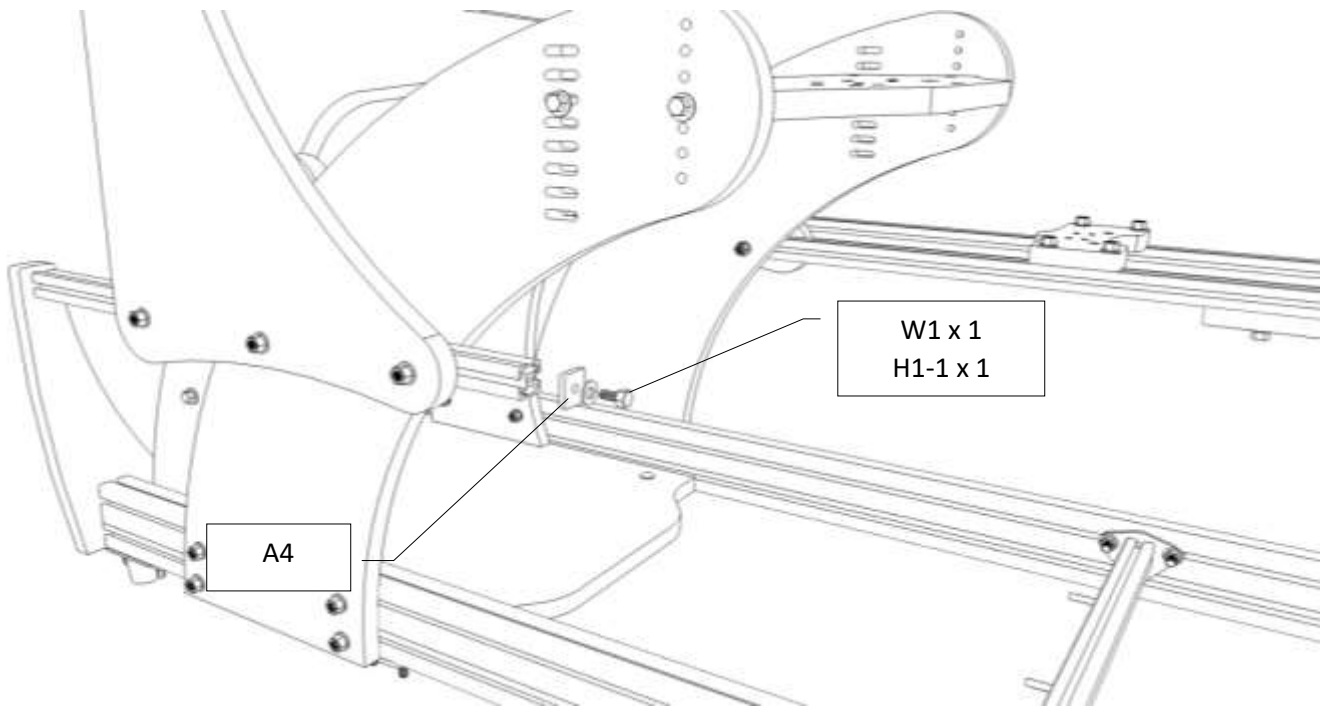
Install the rear cap using the fasteners indicated. Tighten these down fully.



Secure the rear of the shifter rails to the rear cap using the hardware indicated.



Secure the rear cap to the rear wings using the hardware indicated. Tighten these bolts securely.



Install the cap to the end of the entry-side support rail using the hardware indicated.



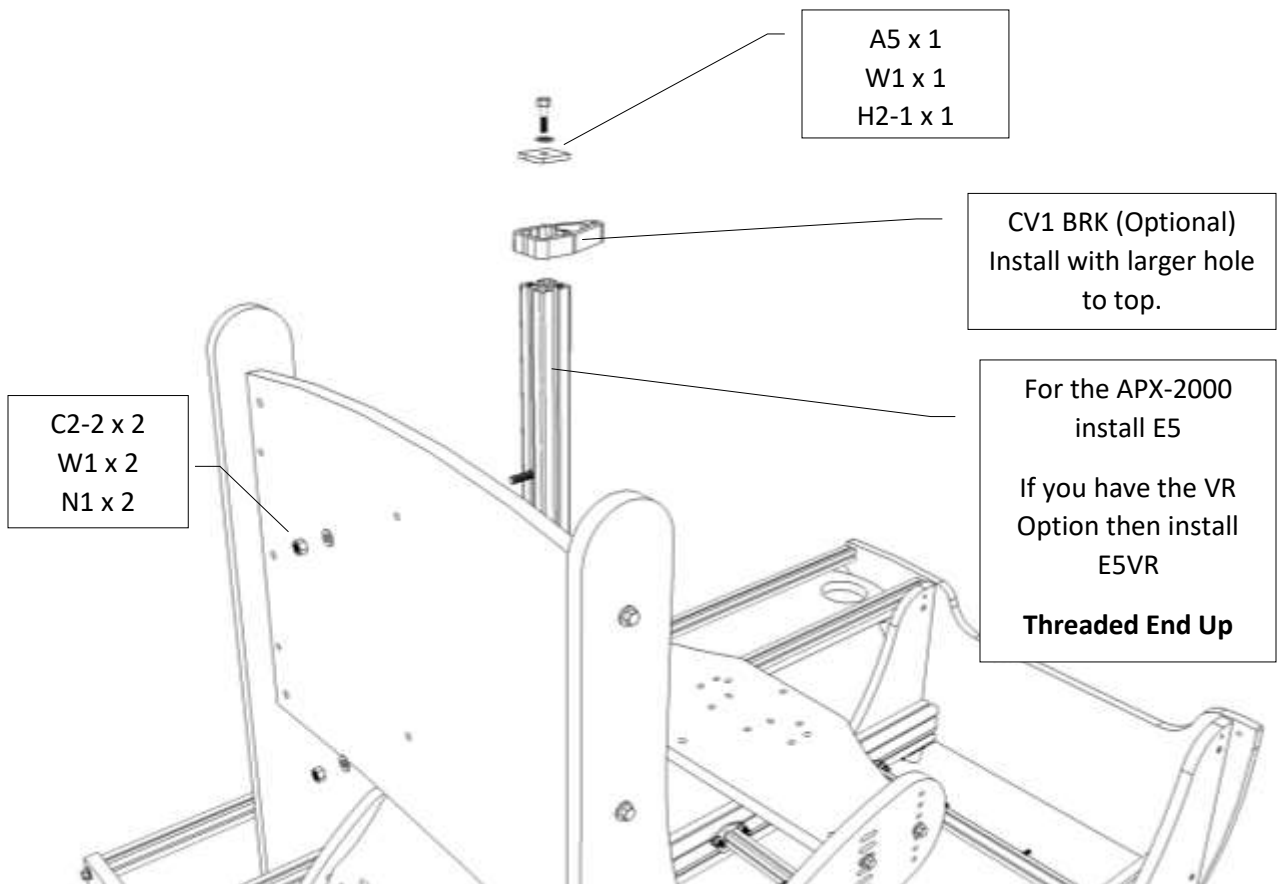
This page applies only to APX-2000 with or without VR option and APX-3000(UW) with VR mount.



APX-2000



VR Option





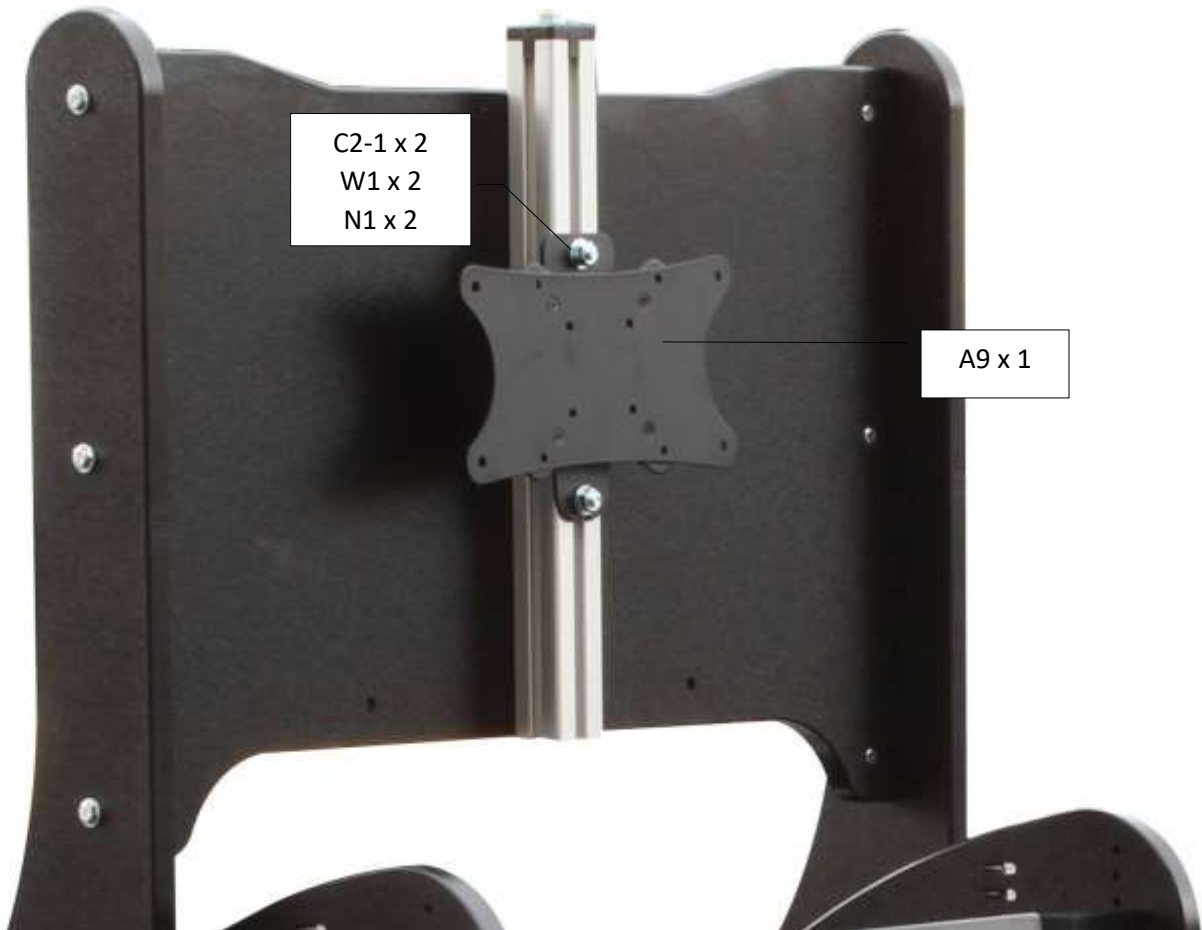
This page applies only to APX-2000 with or without VR option and APX-3000(UW) with VR mount.



APX-2000

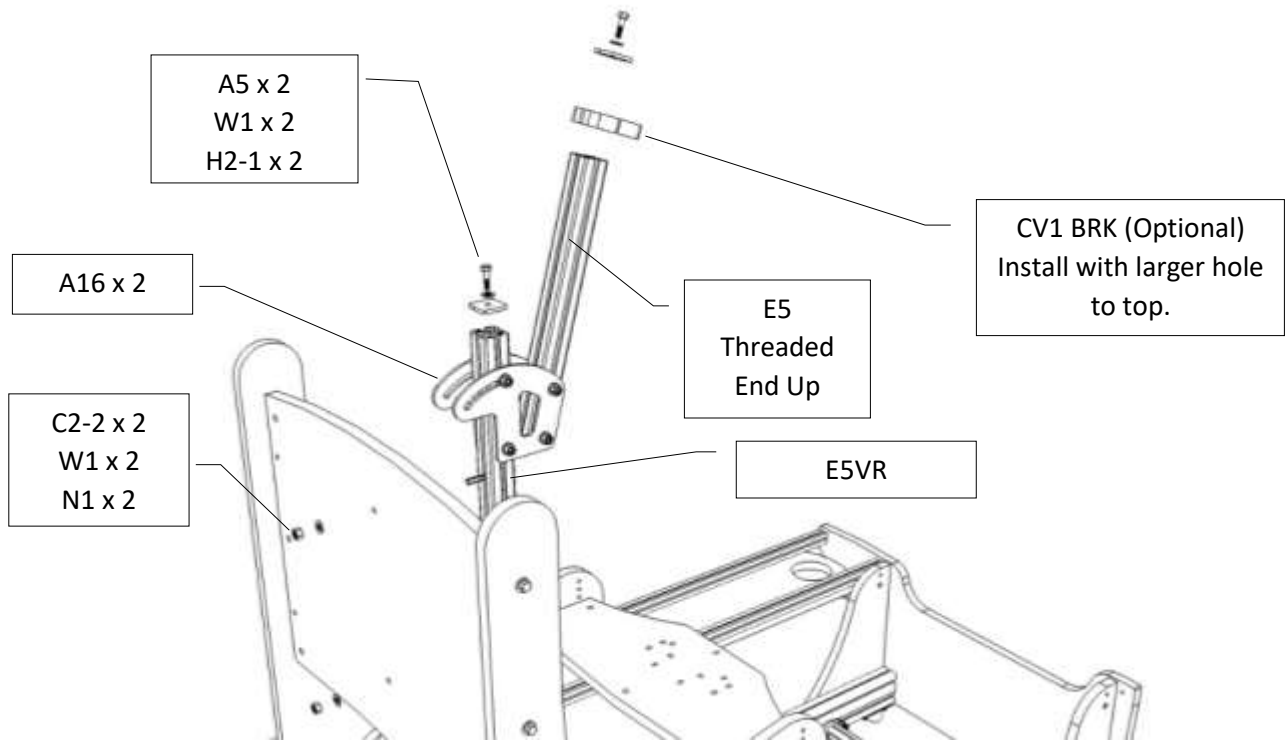


VR Option









This page applies to the overhead display option only with or without VR option.



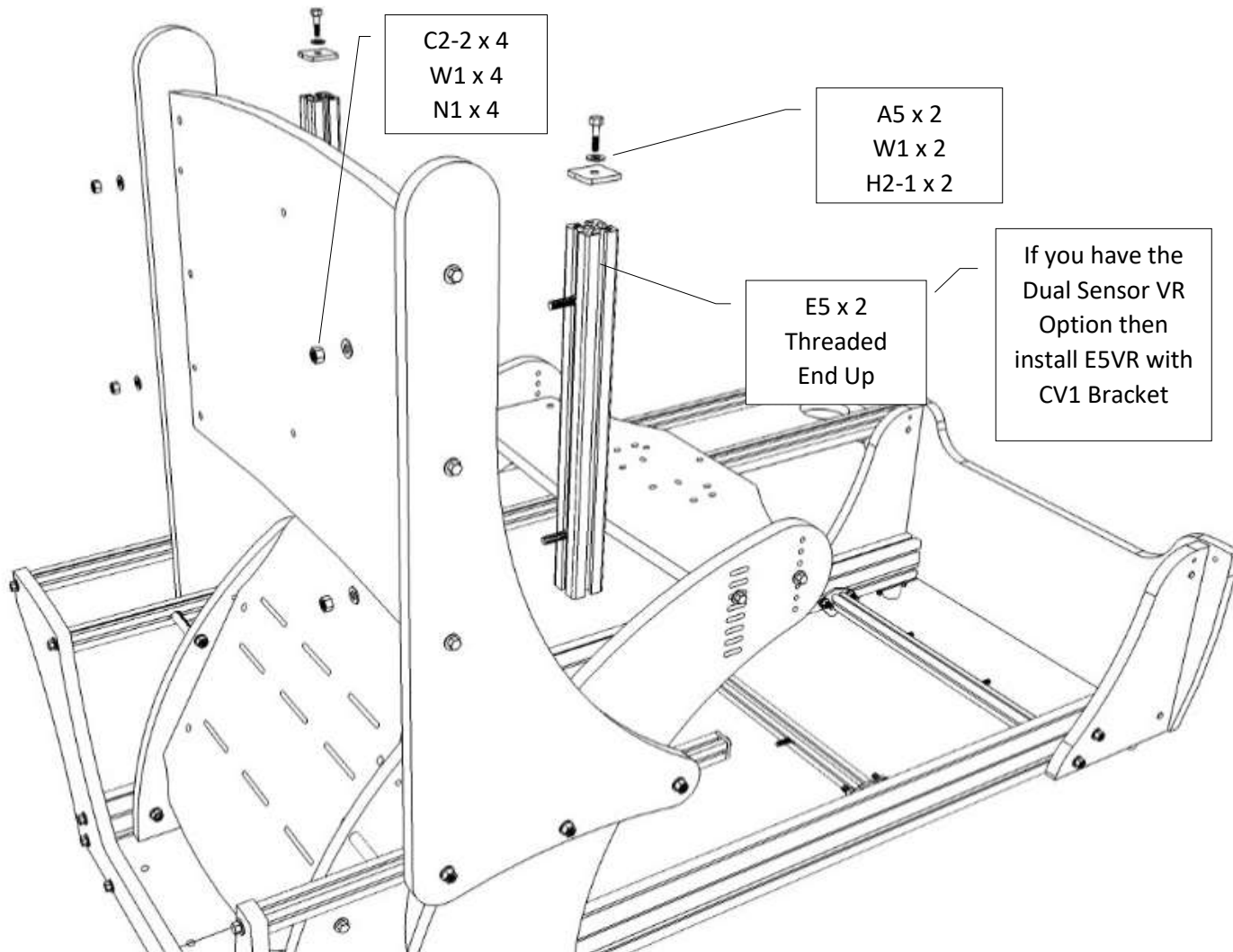


Refer to the main chassis you are assembling and advance to the page indicated below.

 <p>APX-1000</p>	<p>Proceed to page 91.</p>
 <p>APX-2000</p>	<p>Proceed to page 91.</p>
 <p>APX-3000</p>	<p>Proceed to the next page.</p>
 <p>APX-3000UW</p>	<p>Proceed to page 75.</p>

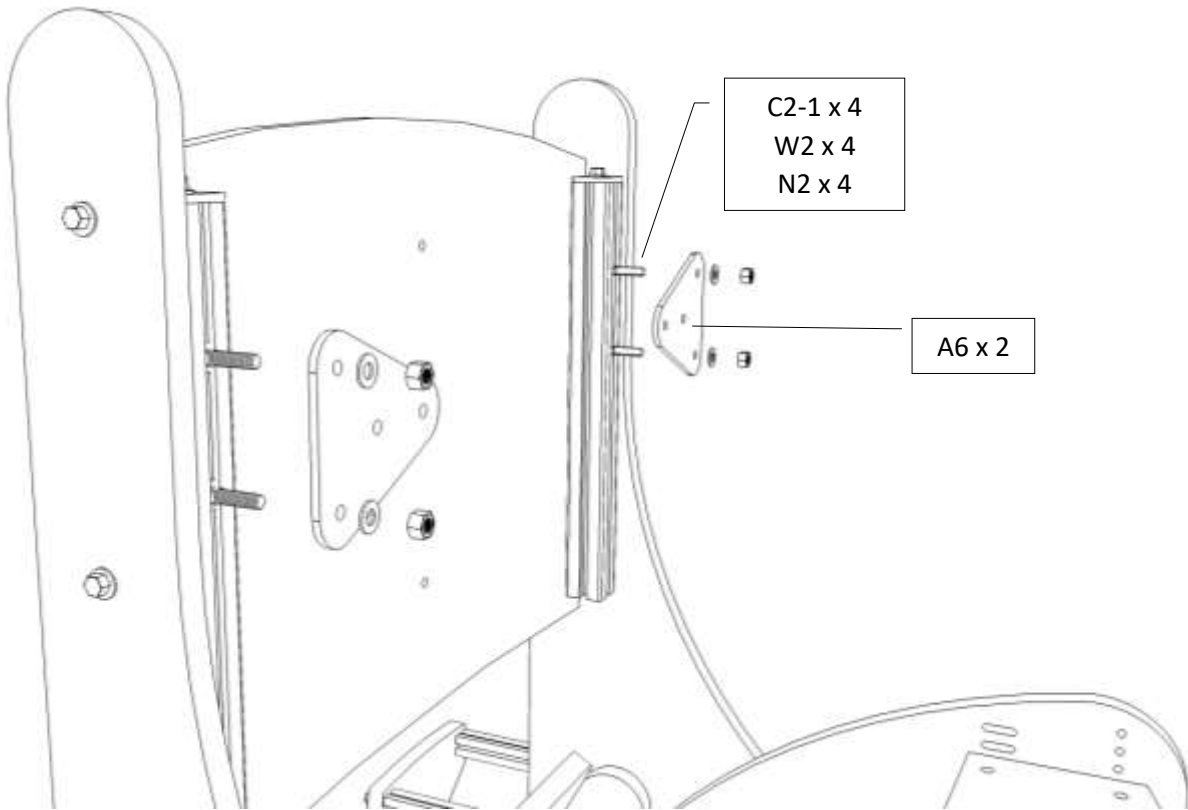


This page only applies to APX-3000.



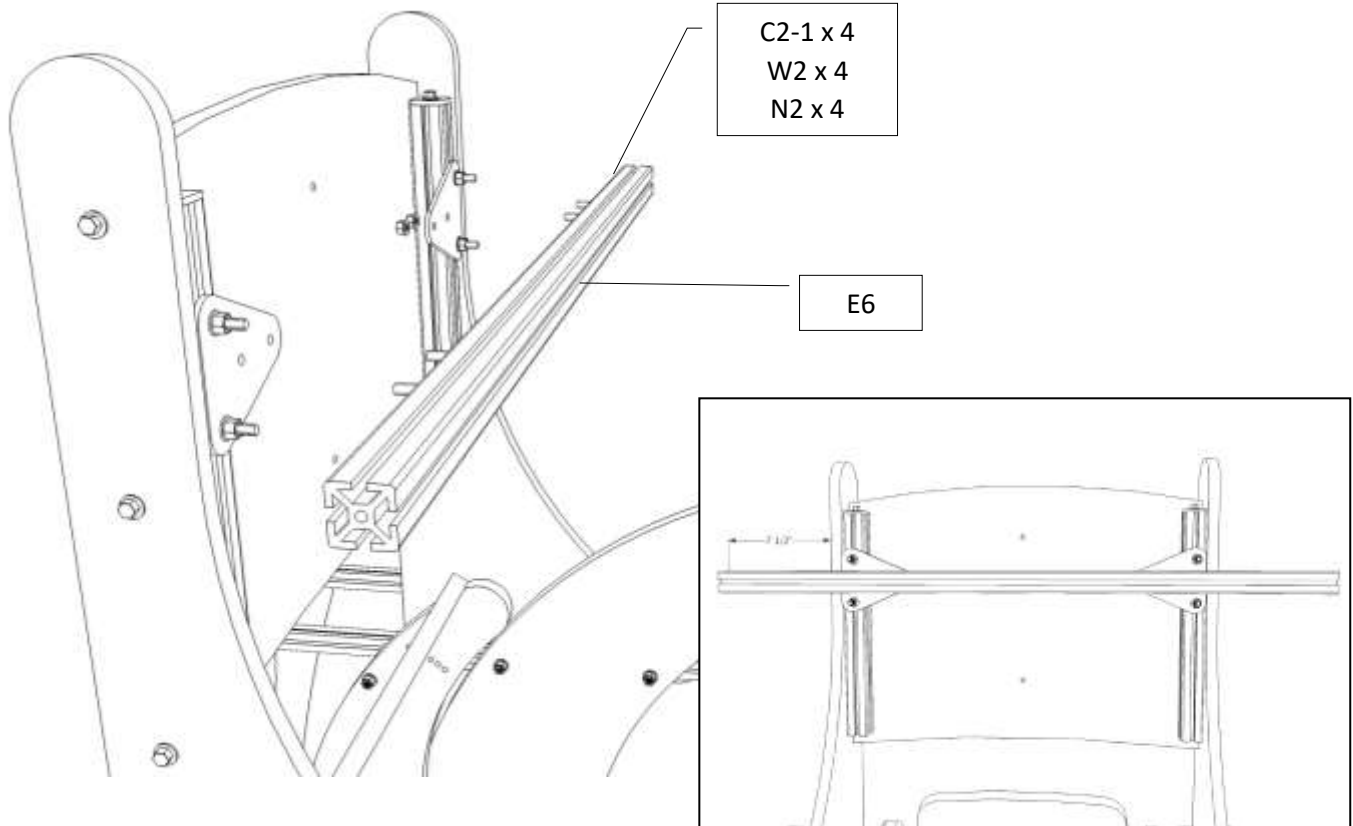
Install the 2 vertical monitor rails using the hardware indicated.

This page only applies to APX-3000.



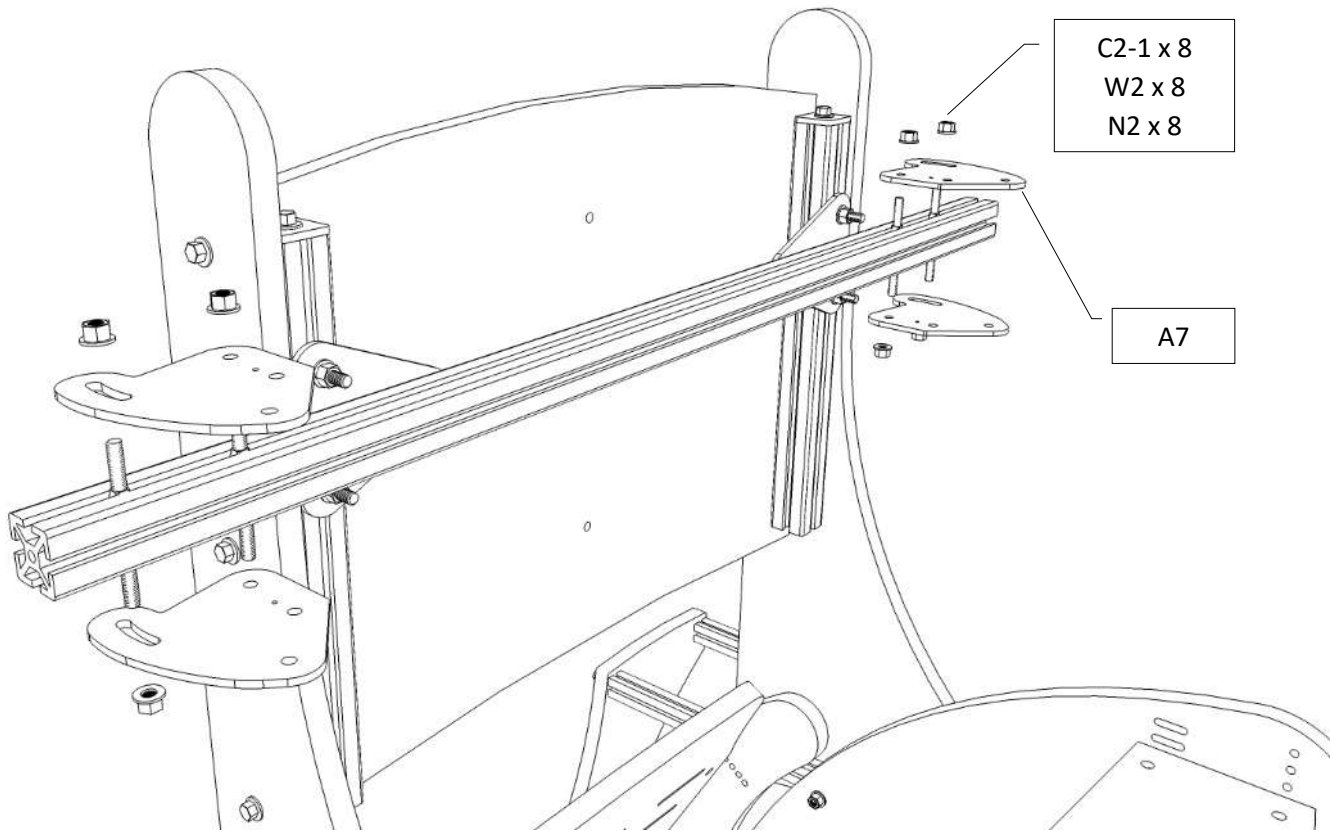
Mount the transverse brackets at the same height using the hardware shown above. Snug the nuts to prevent the brackets from sliding down, but do not overtighten.

This page only applies to APX-3000.



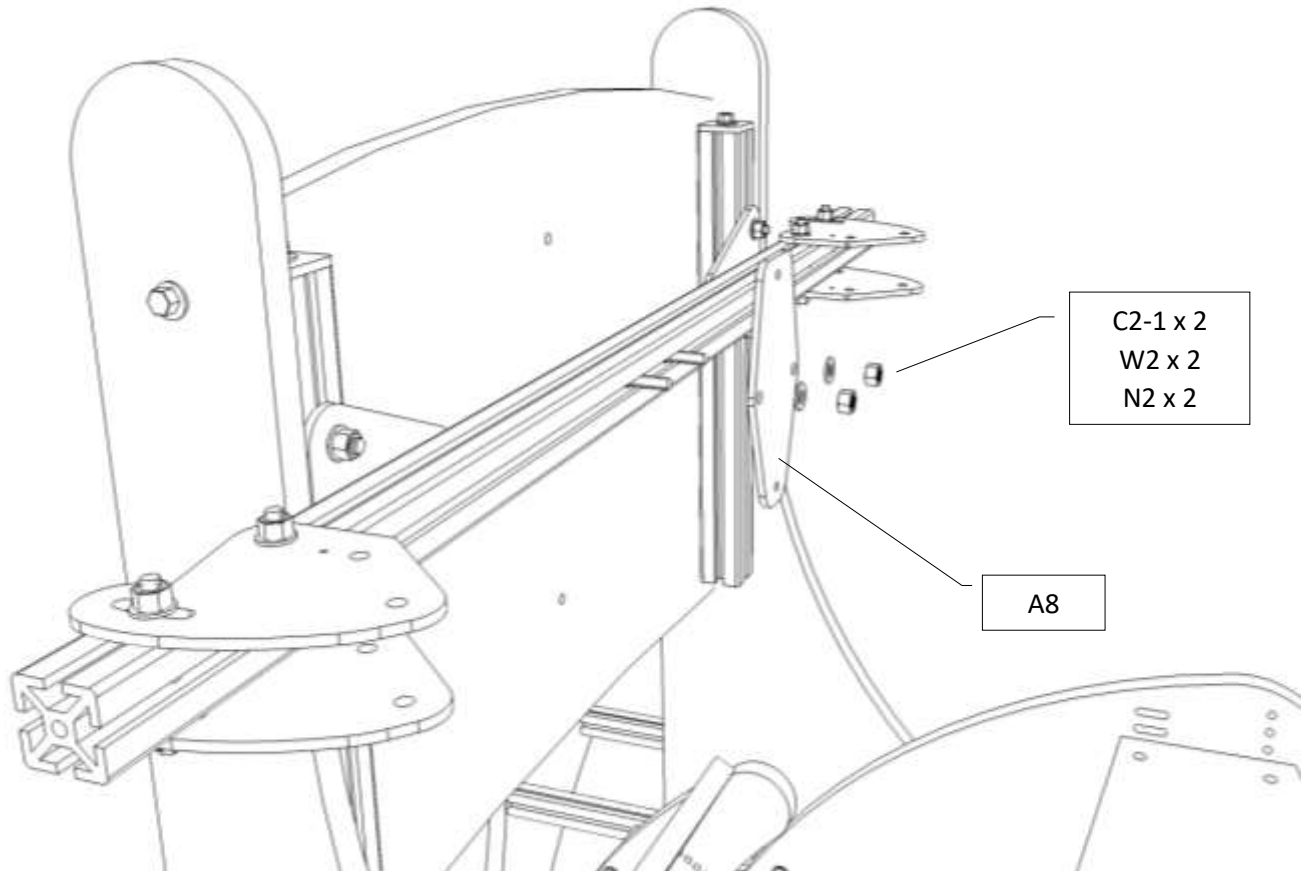
Mount the transverse rail to the transverse brackets using the hardware indicated above. Center the rail onto the chassis and insure the rail is level. The rail is centered when there is exactly 7.5 inches overhanging on each side. Tighten the nuts securely.

This page only applies to APX-3000.



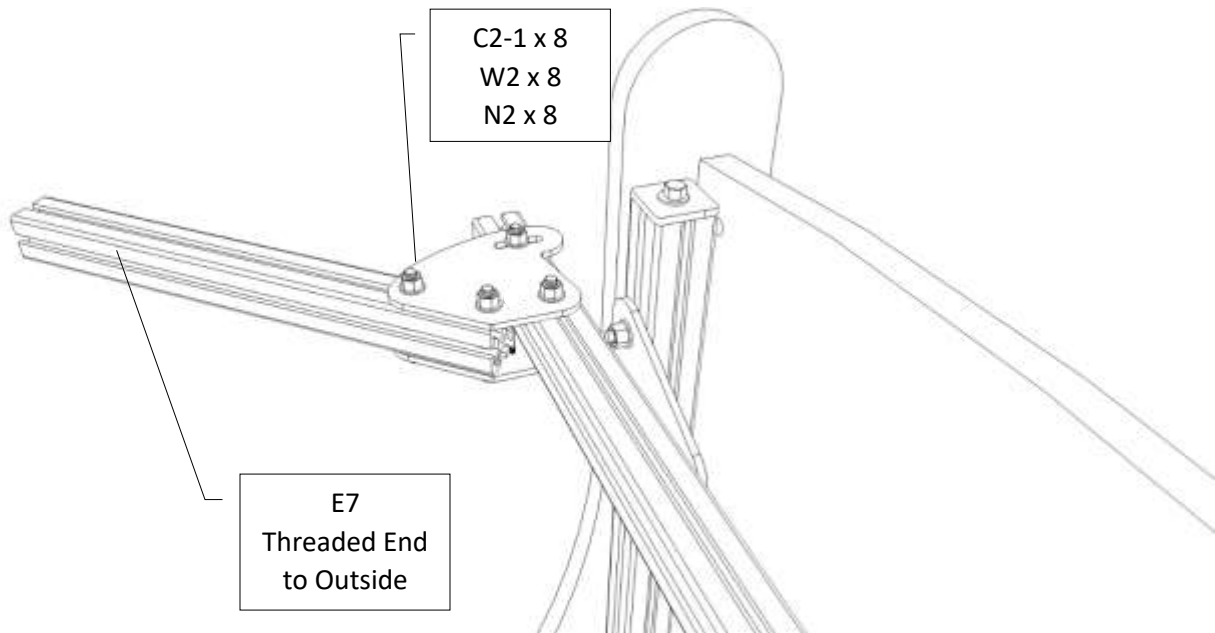
Mount the angle plates to the transverse bar as shown above using the hardware indicated.

This page only applies to APX-3000.



Mount the monitor bracket backing plate in the center of the transverse bar using the hardware indicated as shown with the wide end toward the top.

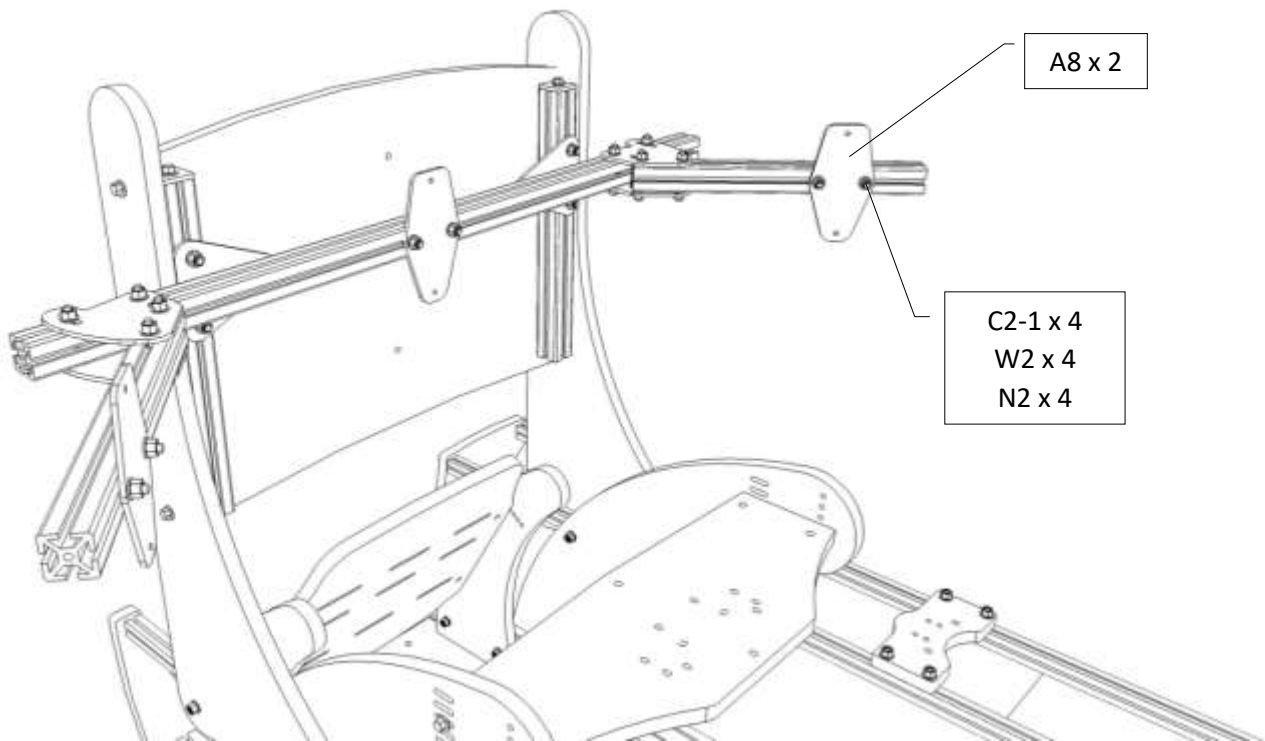
This page only applies to APX-3000.



Set E7 flush to the  
notch as shown

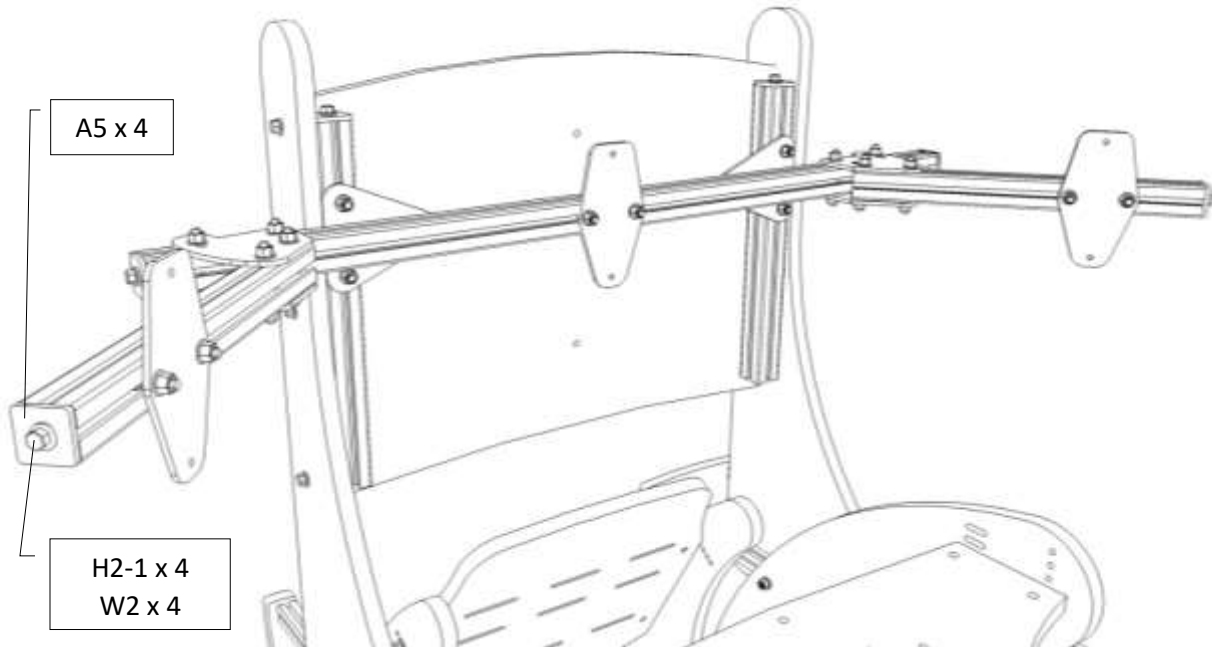
Pre-install the hardware on the angle plate and then slide in the E7 lateral bar until it is flush to the notch. Snug the fasteners to keep them in place.

This page only applies to APX-3000.



Mount the 2 remaining monitor backing plates to the lateral bars using the hardware shown.

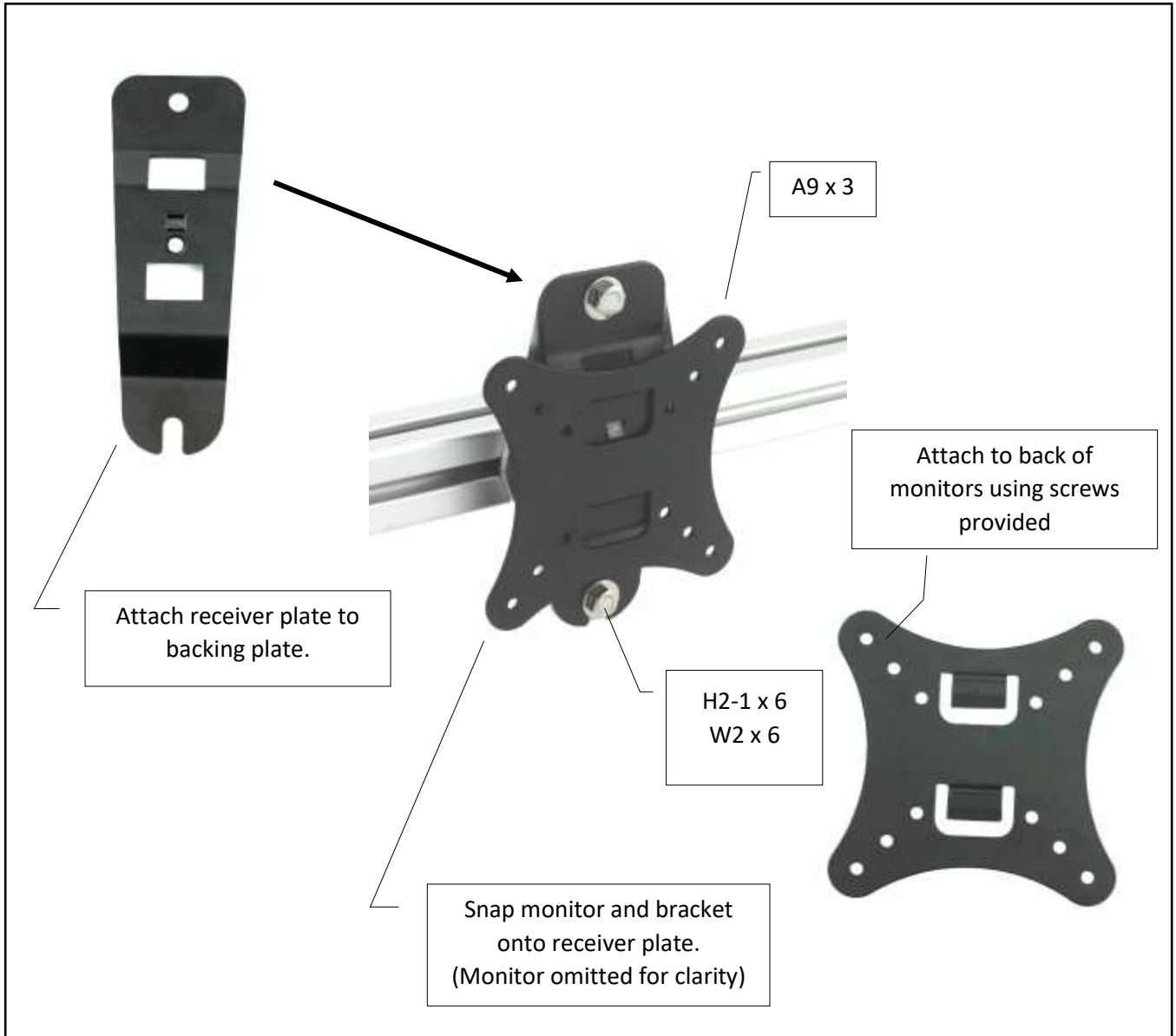
This page only applies to APX-3000.



Install the end caps on the transverse and lateral bars.

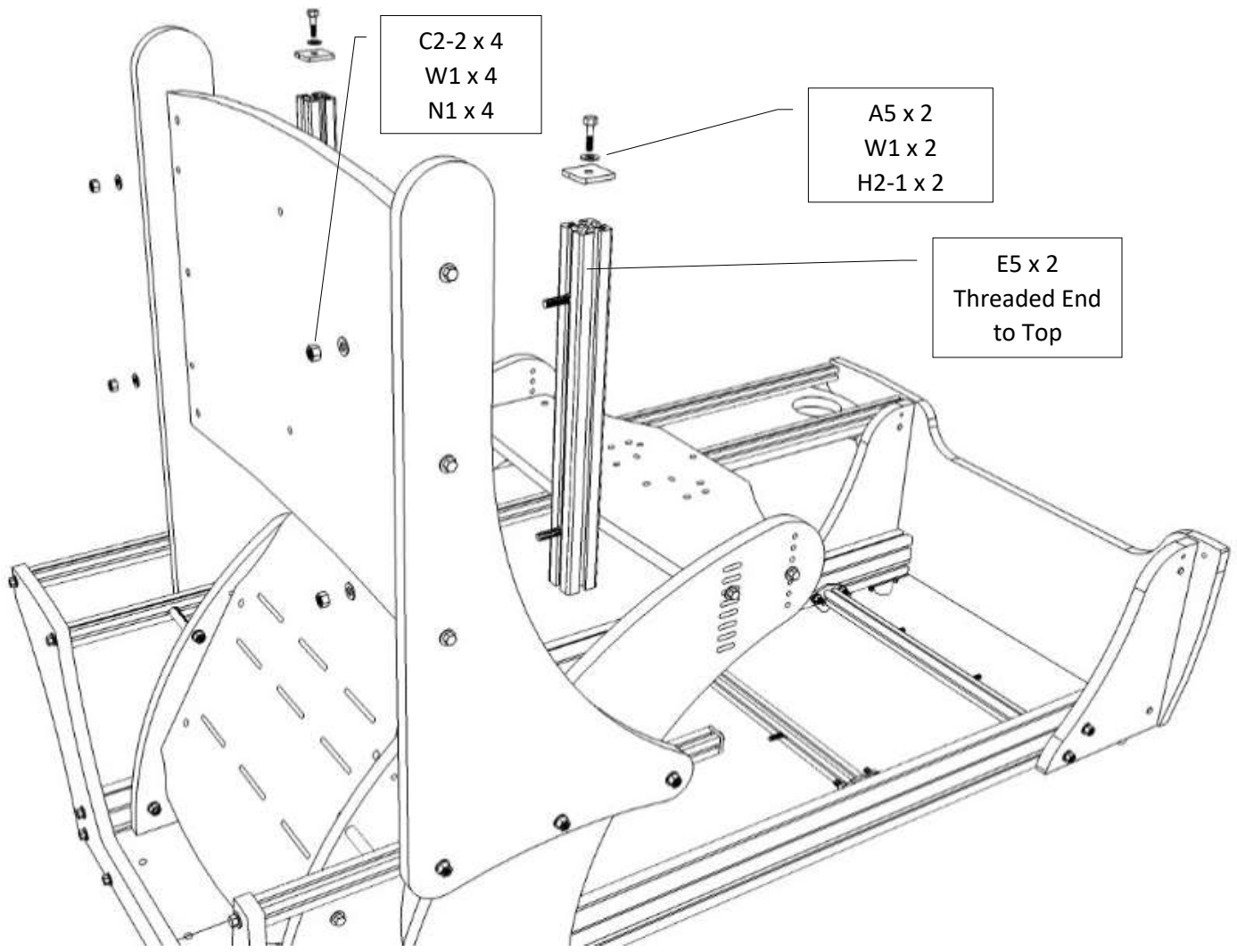


This page only applies to APX-3000.



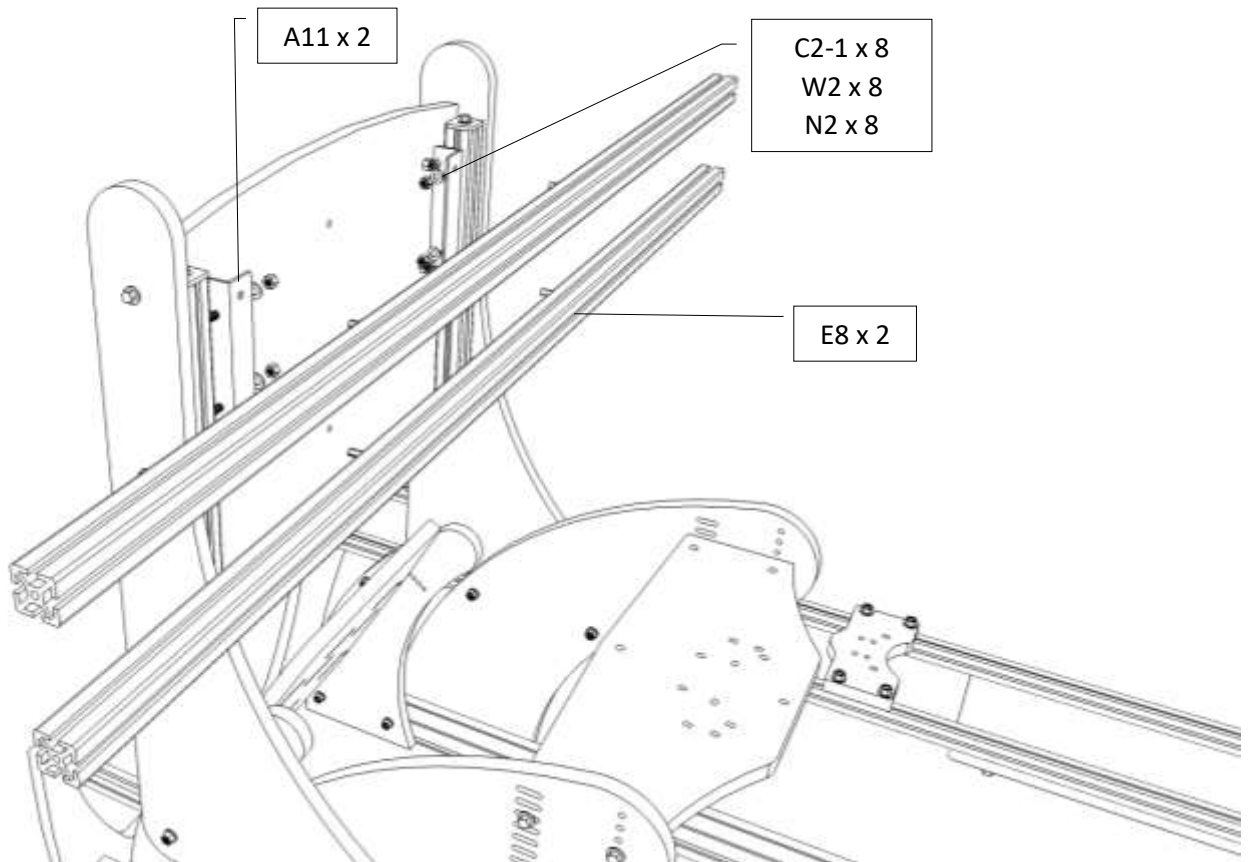
**Please proceed to page 91**

This page only applies to APX-3000UW.



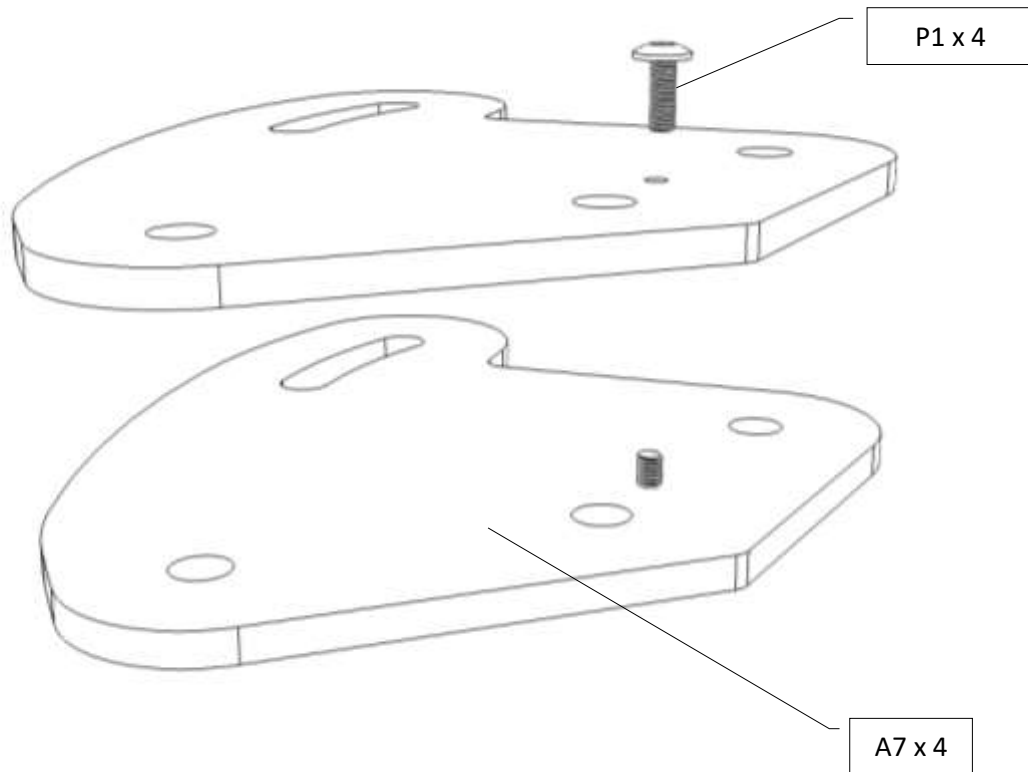
Install the 2 vertical monitor rails using the hardware indicated.

This page only applies to APX-3000UW.



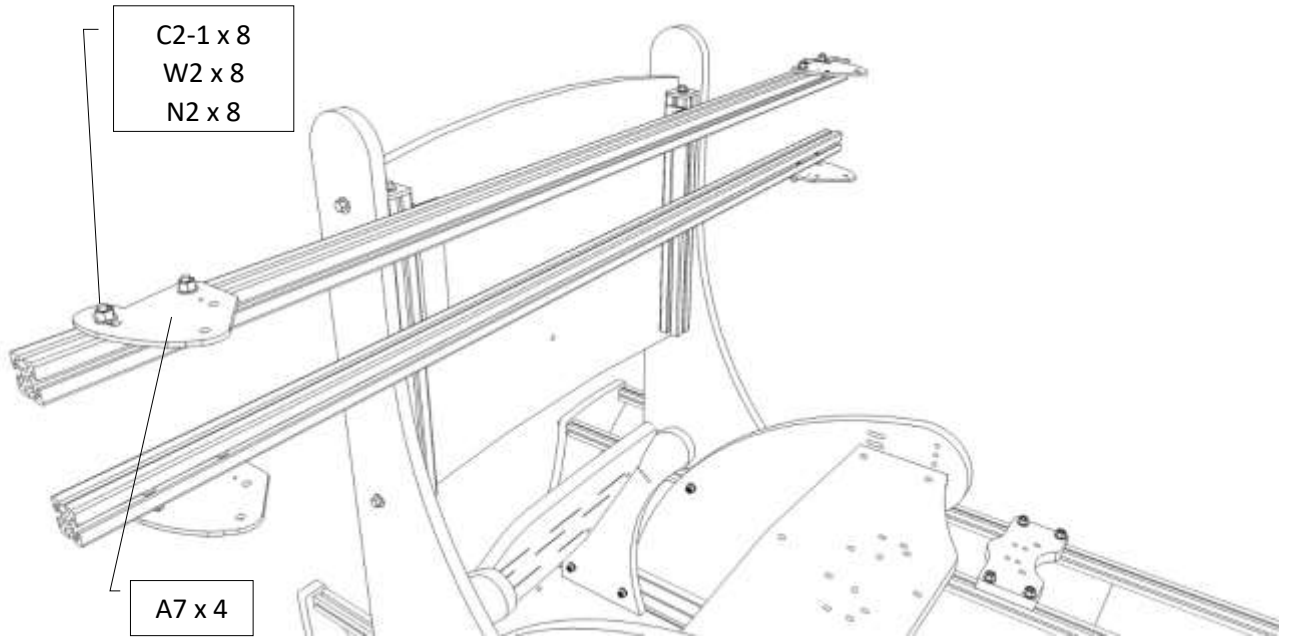
Mount the angle brackets to the inner sides of the verticals using the side with the holes that are spaced closer together. Then mount the E8 cross-pieces to the brackets.

This page only applies to APX-3000UW.



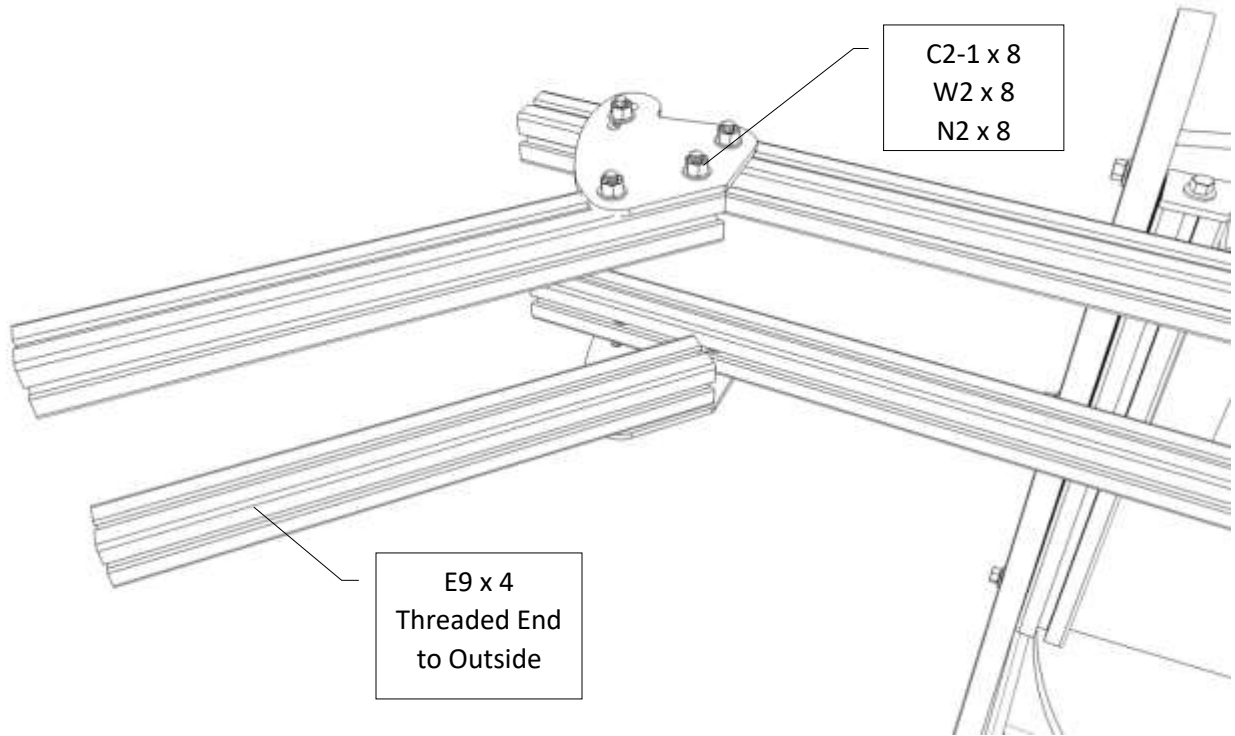
Insert the stop screws into tops and bottoms of the swivel plates as shown.

This page only applies to APX-3000UW.



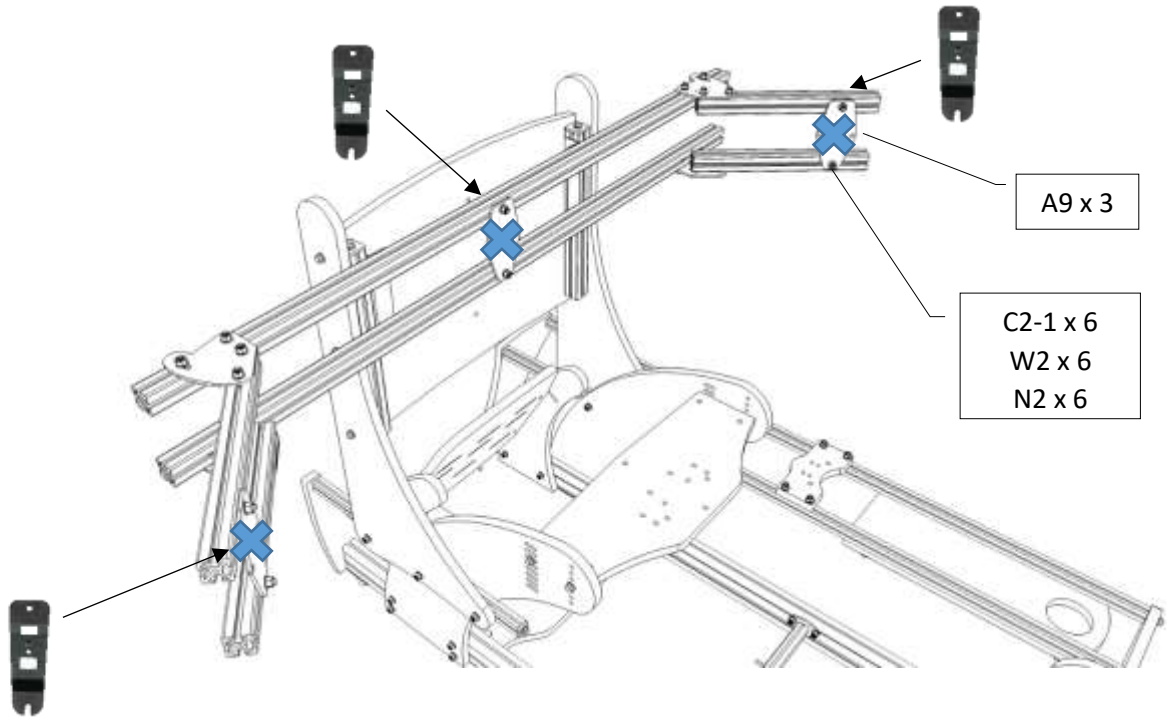
Mount the swivel plates to the cross-piece as shown.

This page only applies to APX-3000UW.



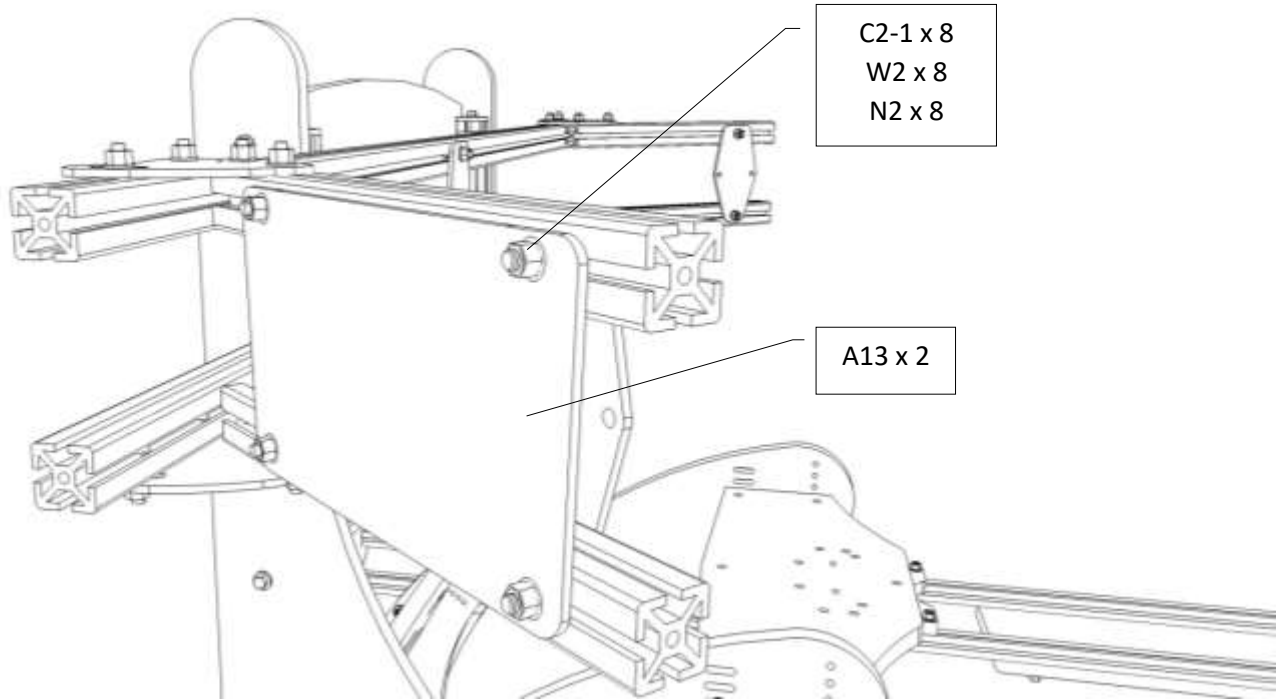
Mount the lateral extensions on each side as shown above.

This page only applies to APX-3000UW.



Mount the back bracket for the VESA support to the cross-pieces.

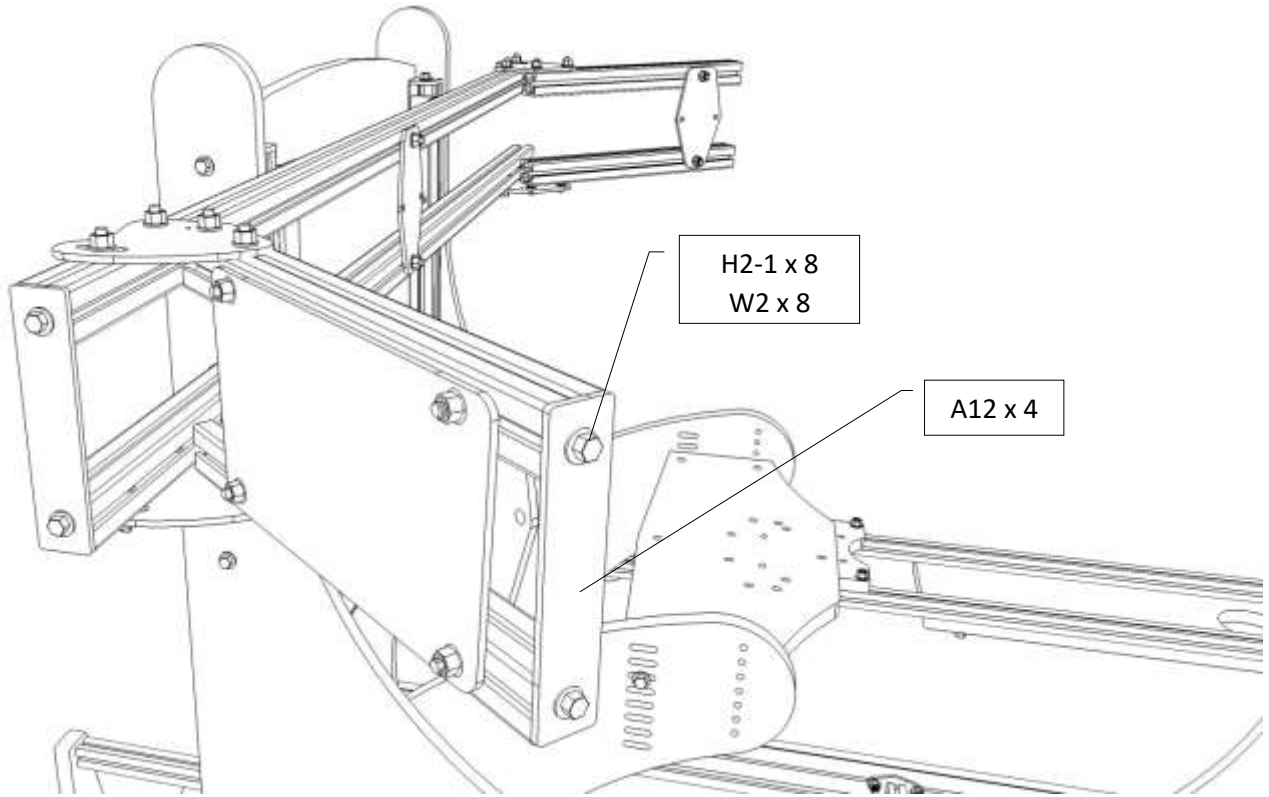
This page only applies to APX-3000UW.



Mount the support plate as shown. Do not tighten the bolts yet.



This page only applies to APX-3000UW.



Install the end caps as shown.

This page only applies to APX-3000UW.

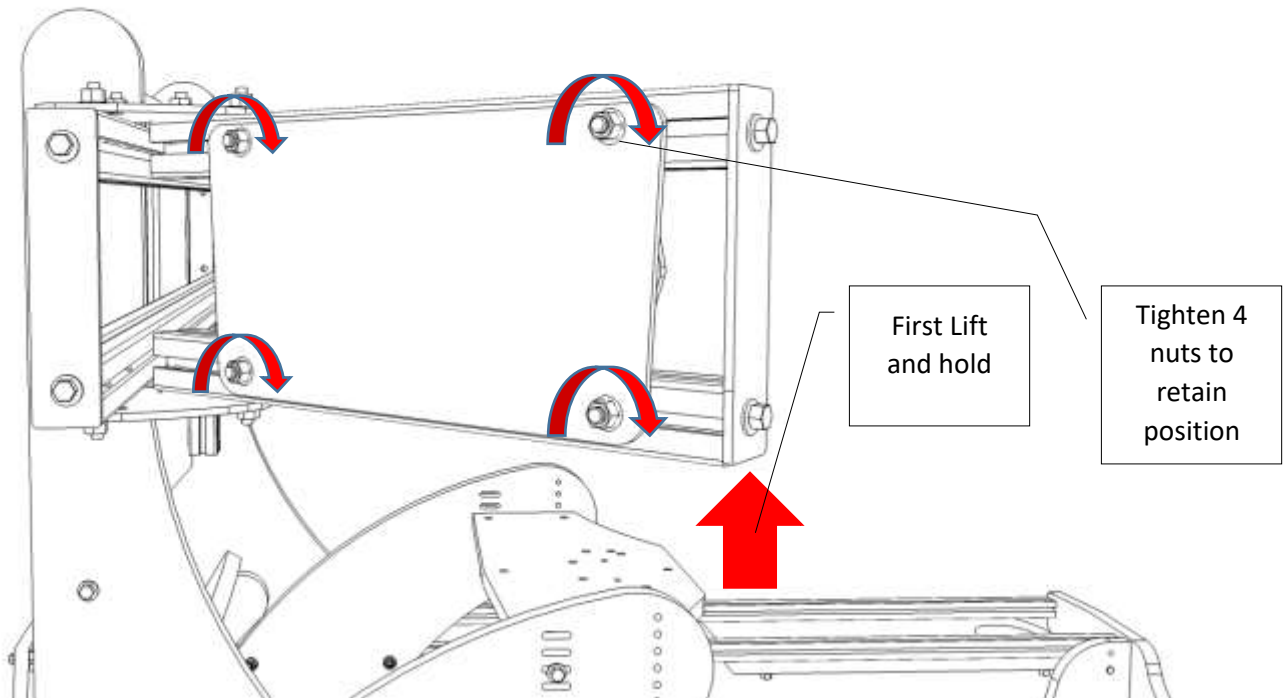


C2-1 x 6  
W2 x 6  
N2 x 6

Attach to back of displays  
using screws provided



This page only applies to APX-3000UW.



Mount the displays and adjust the positioning of the side arms and VESA brackets. It may be necessary to place some upward preload on the arms before tightening the braces to counteract the weight of the monitors.



If you are installing the g-Sense belt system then please continue to the next page.



If you are not installing the g-Sense belt system then please proceed to page If you are building the SlipSense motion system then please continue to the next page.88.



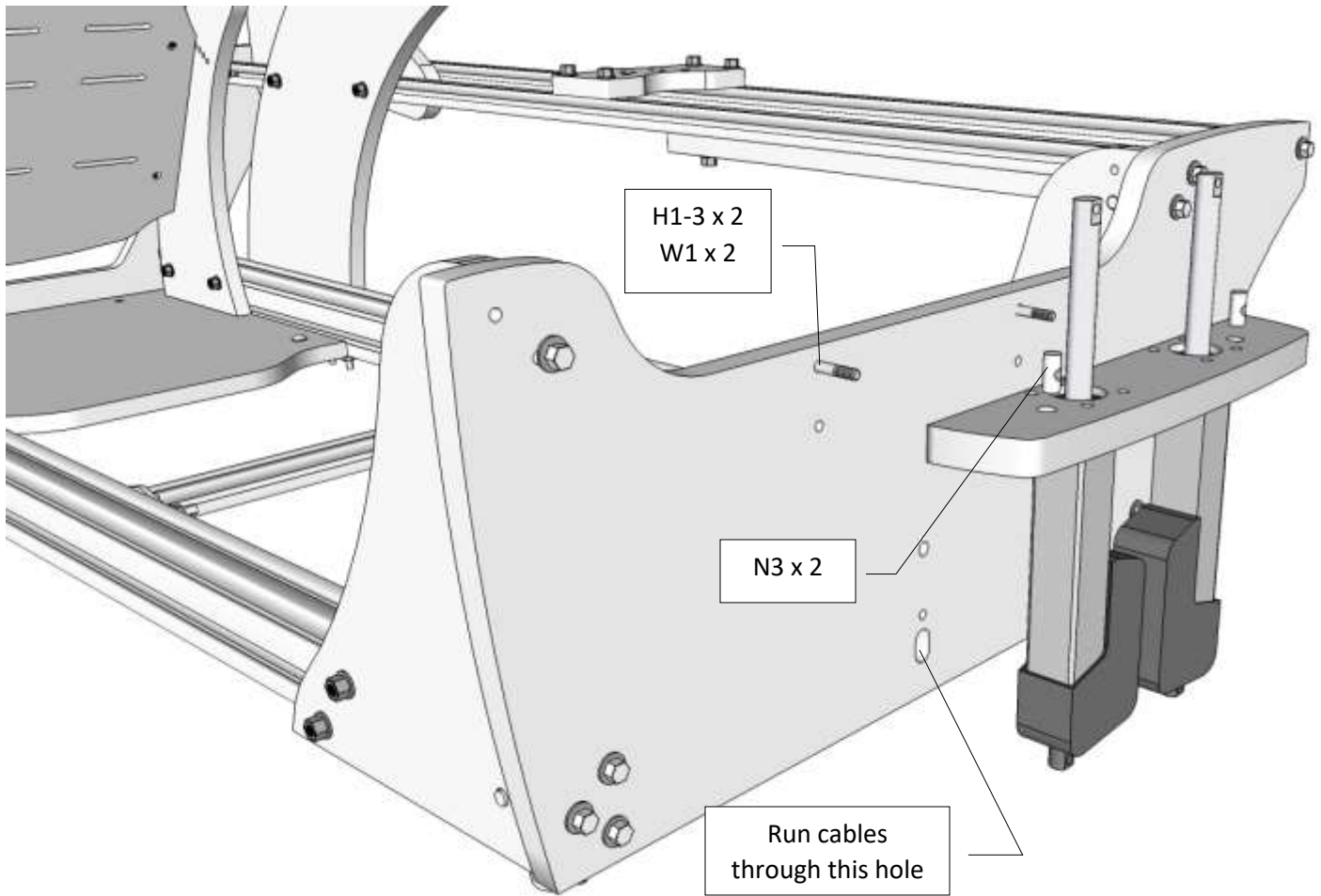
Mount the g-Sense actuators to the top mounting plate as shown above. Use the screws included with each actuator by inserting the screw from the bottom and securing with the nut on top.

Make note of the serial number of each actuator and the position it is installed. This will be needed when setting up the software.

Serial Number Left Side: \_\_\_\_\_

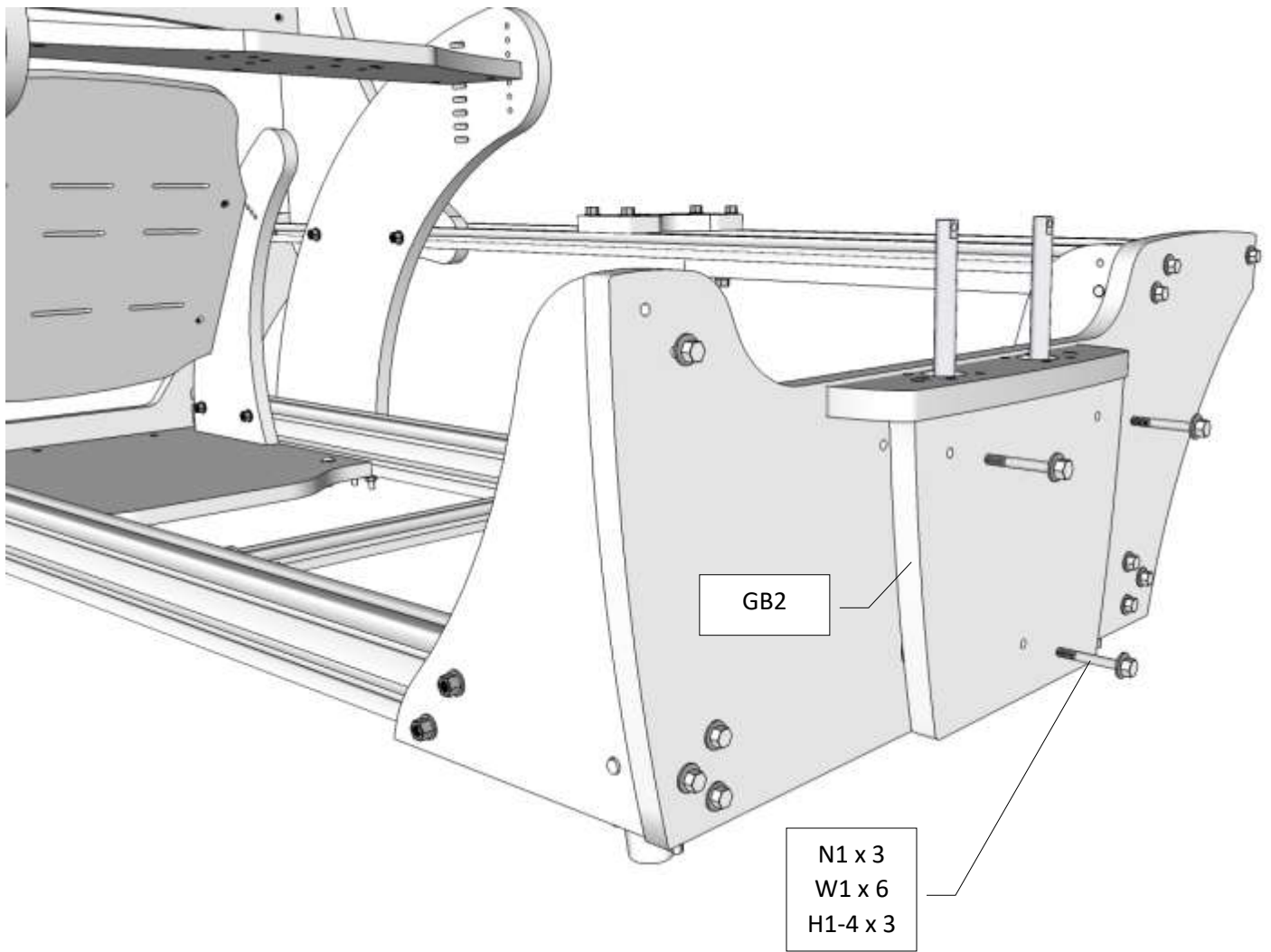
Serial Number Right Side: \_\_\_\_\_

**NOTE: THE ACTUATOR PISTONS SHIP RETRACTED. DO NOT MANUALLY PULL ON THEM. THEY WILL EXTEND WHEN THEY ARE FIRST CONFIGURED IN THE SOFTWARE.**

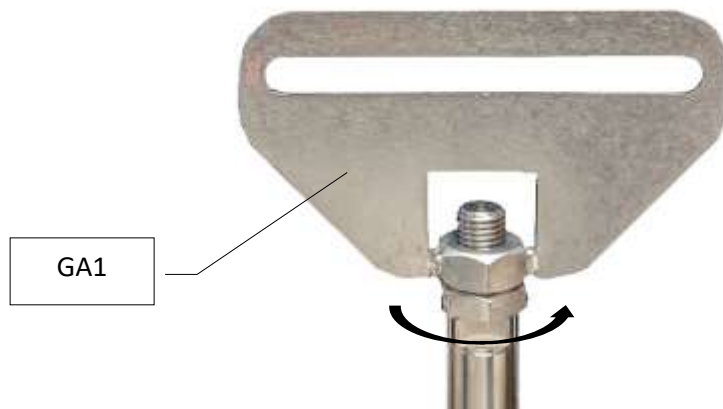


Mount the actuator assembly to the back panel of the main chassis. Secure to the top-most holes using the fasteners indicated.

Connect the actuators to two of the four ports on the side of the SX4000 power supply.



Secure the actuator cover panel as shown using the bolts and nuts indicated. Place the bolts through the outside and secure with nuts and washers on the inside.



Attach belt anchor to end of actuators and tighten jam nut in the direction shown to retain the anchor in longitudinal position.

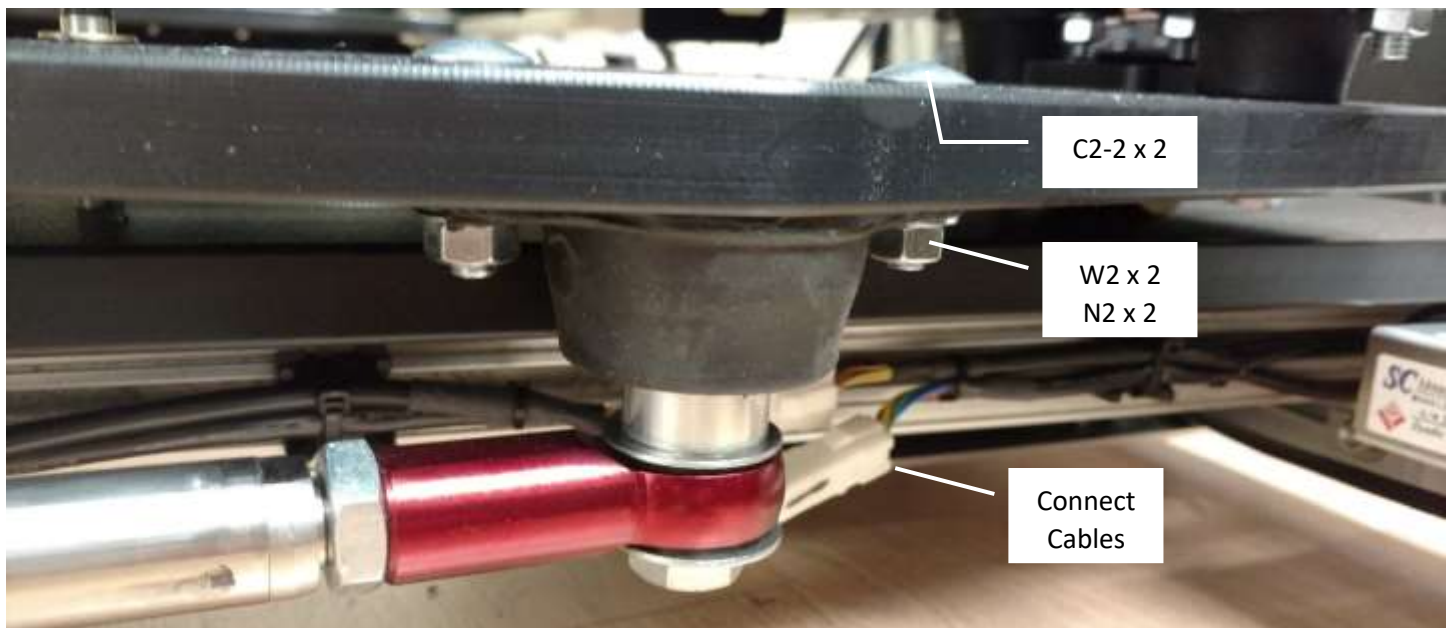
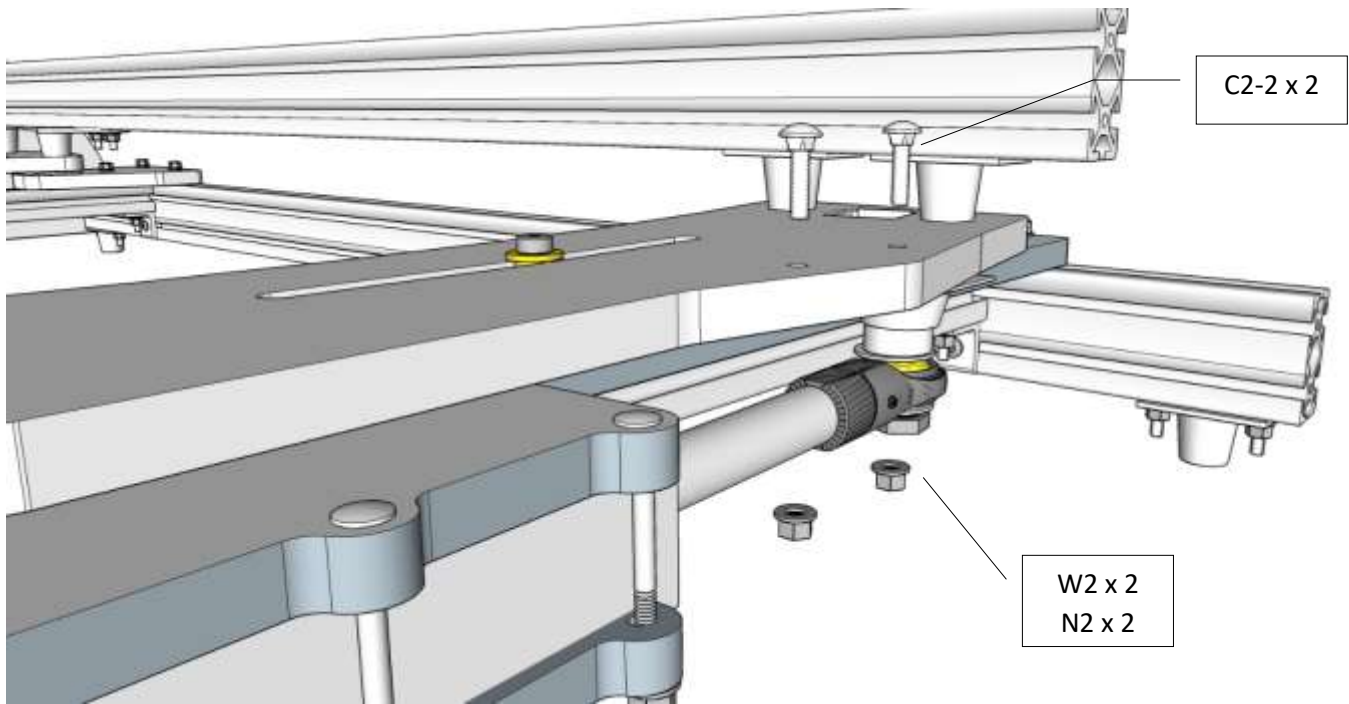


If you are building the SlipSense motion system then please continue to the next page.

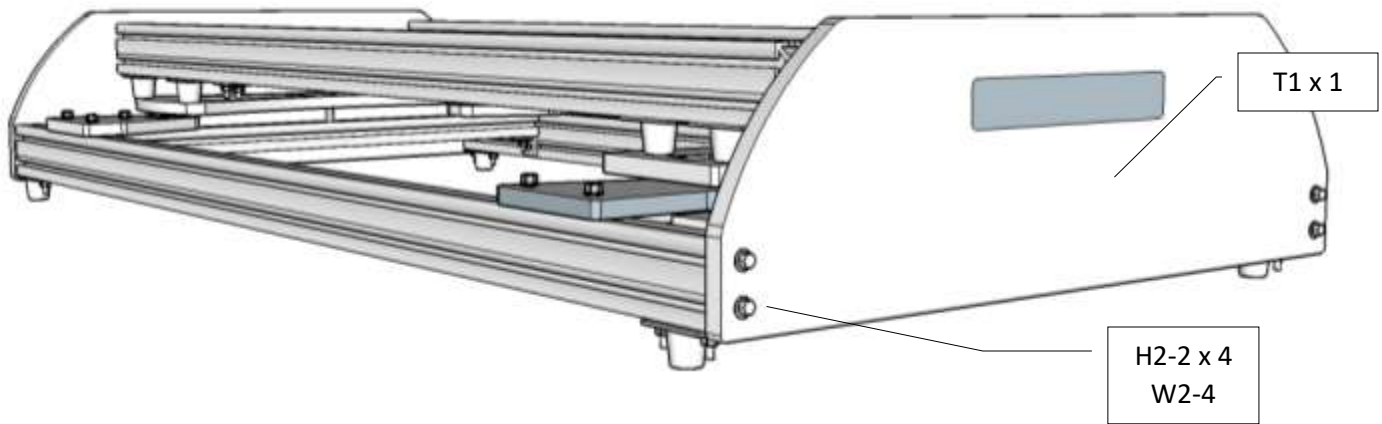


If you are not installing the SlipSense motion system then please proceed to page 91

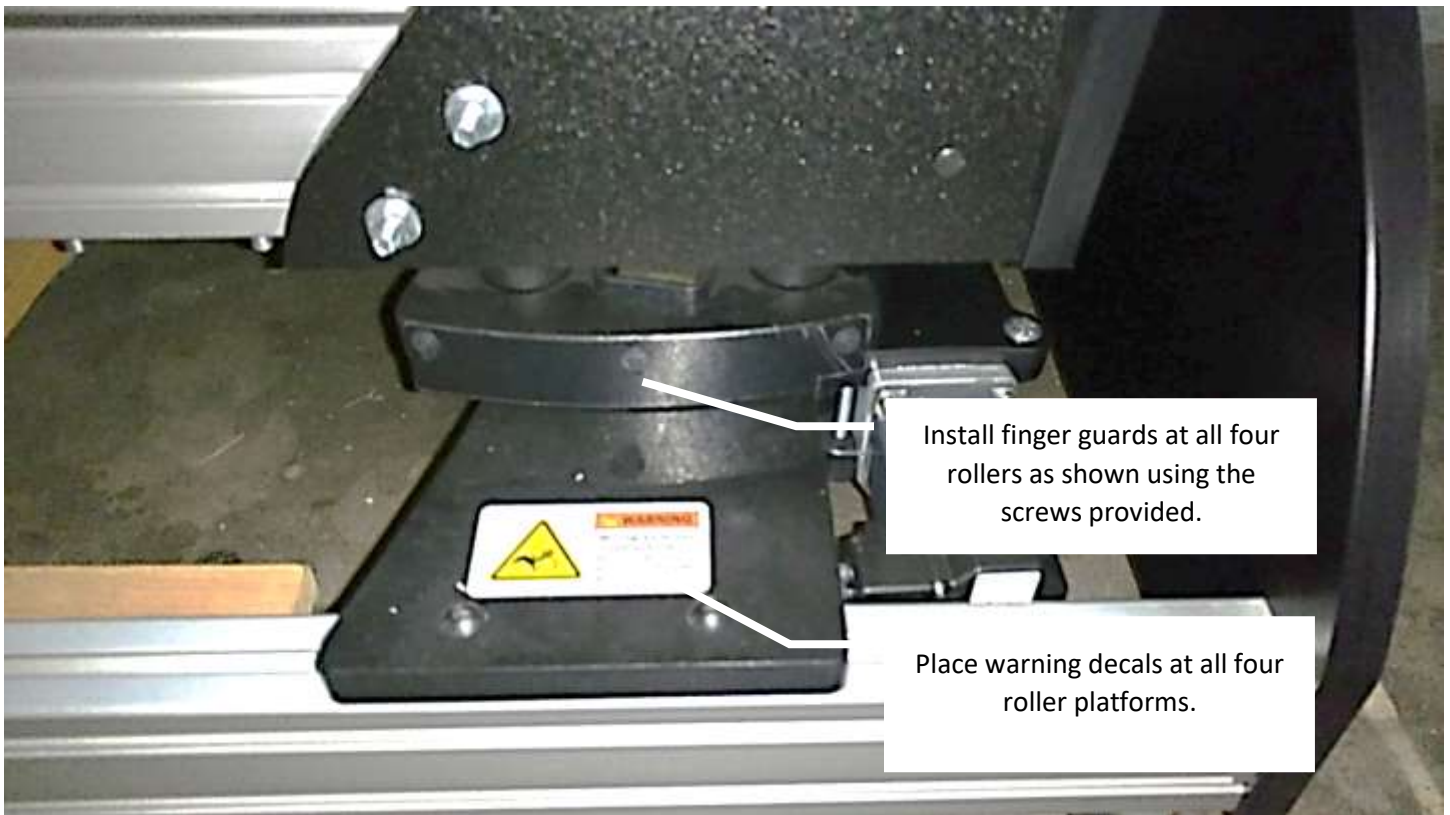




Connect the SX1 Actuator to the glider panel as shown above.



Mount the end panel to the SlipSense base using the hardware provided.



Install the FGK finger guard kit as shown above. The guard with the notch goes on the left rear corner with the notch toward the rear. Install the guards so there is a minimal gap at the bottom to prevent fingers, toes and other foreign objects from contacting the rollers.

**If the guards or warning decals ever become damaged please contact us for replacements immediately.**

This page only applies to PBS seat sliders



Thick washer goes between seat and rail as a spacer

Mount the seat rails as shown above using the hardware included with the rails. You must slide each rail forward or backward to access the respective bolt locations.

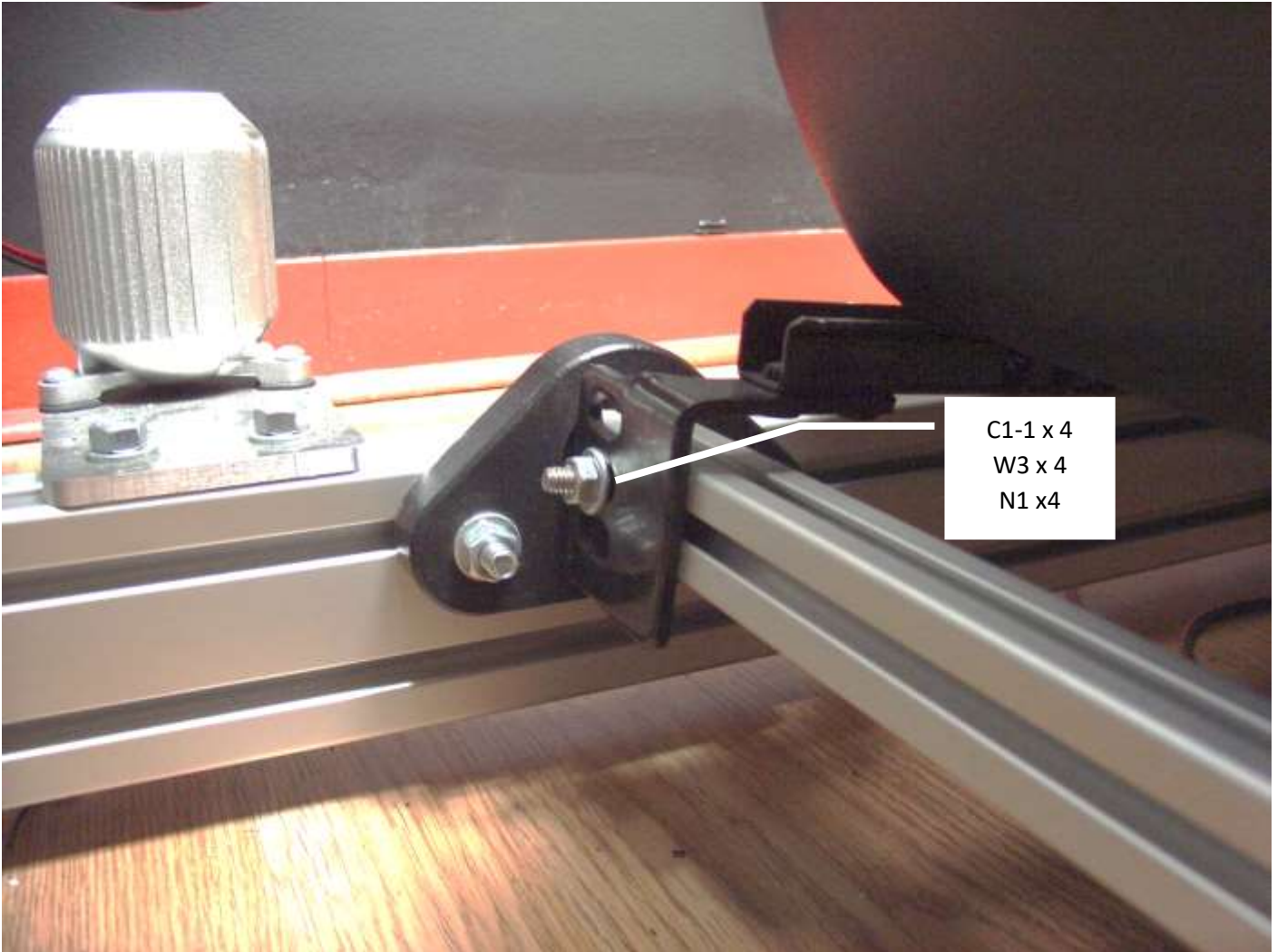


Link the two rails together using the included linkage. Secure the ends closed with the provided wire rings as shown above.



If the g-Sense belt system will be installed, then the submarine anchor bracket must be installed as shown using the rear mounting bolts. Use the anchor bracket in place of the thick washers. Lace the submarine belt around the brace and feed the buckle through the opening in the seat bottom.

This page only applies to PBS seat sliders



C1-1 x 4  
W3 x 4  
N1 x 4

When mounting a Ricmotech provided Procar seat, use the hardware indicated and mount to the front and rear of the transverse seat cross-members.

This page only applies to sliders for real bucket racing seats.



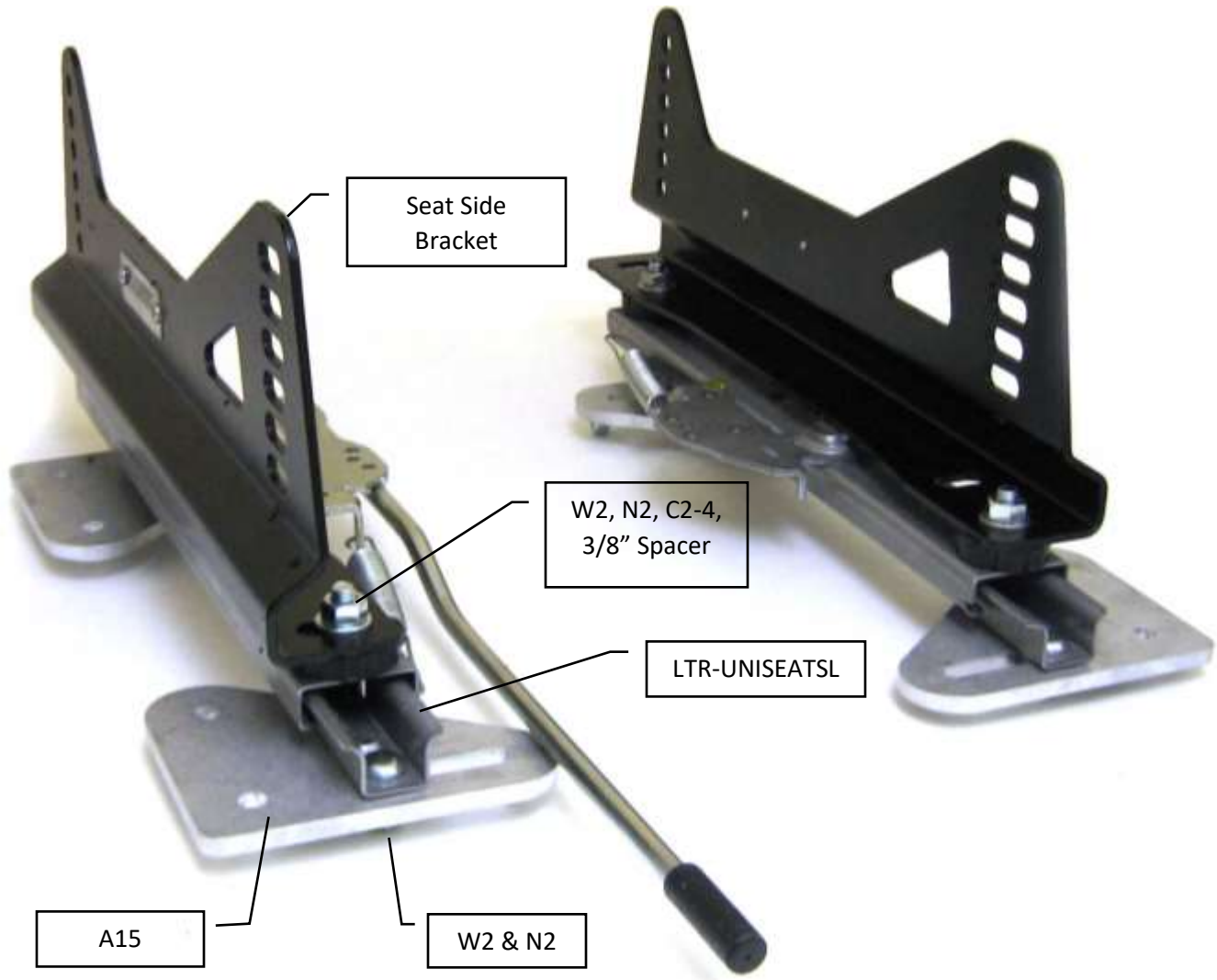
### Additional Parts Included for Racing Seat Sliders Style A

Item Code	Qty	Description	Image
S3	4	Nylon Spacer 3/8"	
A15	4	Seat Tabs	
LTR-UNISEATSL	1 SET	Seat Sliders	
Side Brackets	1 SET	Seat Side Brackets (Varies by seat)	
STEEL-CABLE	1	1/16" Steel Cable 18" Long	
CLAMP	2	1/16" Cable Clamp	
SEAT BOLT	4	M8 x 12 Bolts (varies by seat)	

This page only applies to sliders for real bucket racing seats.

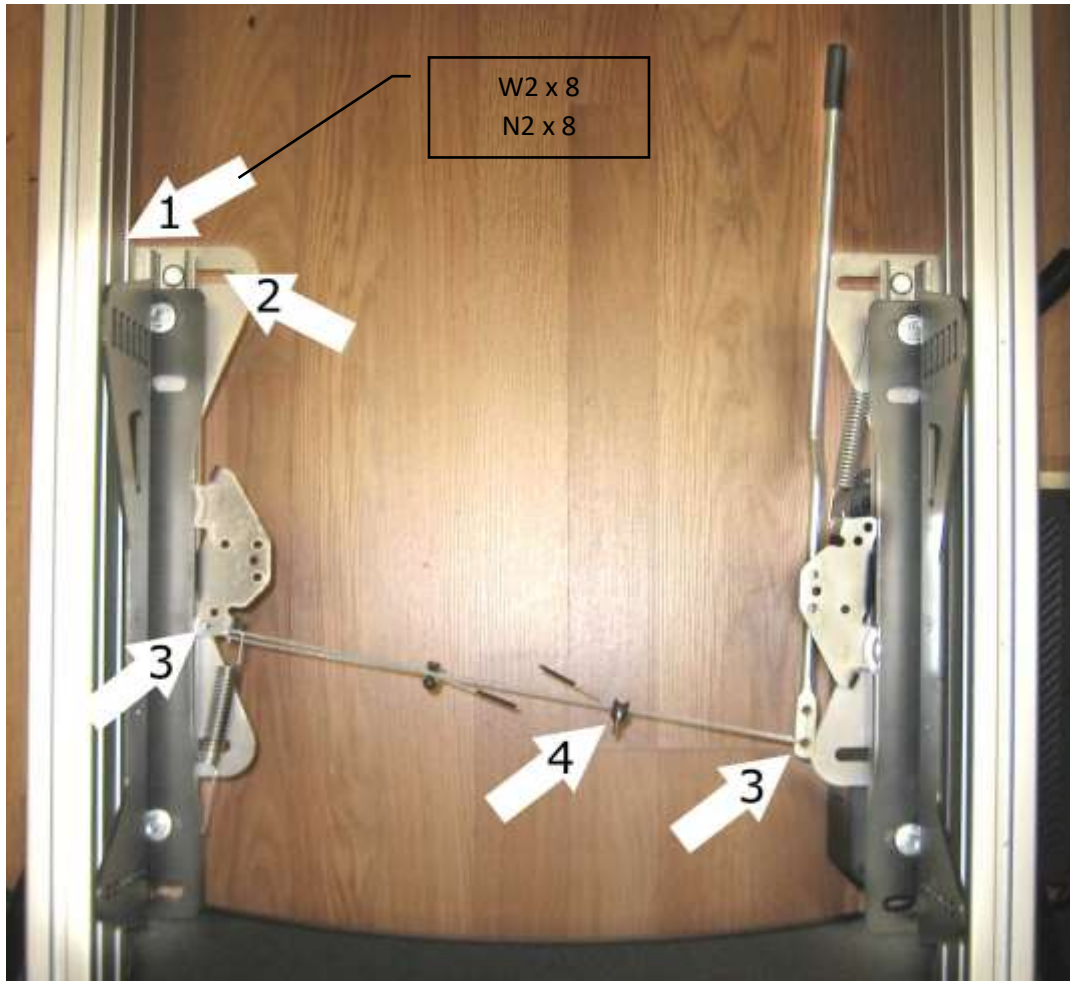


## Seat Slider Style A Only



If your seat sliders look like the ones above then assemble seat rails and brackets as shown.

This page only applies to sliders for real bucket racing seats.



Install the mounting plates as shown to the underside of the main rails using the bolts placed previously and secure with the nuts and washers indicated (arrow 1). Adjust the spacing of the seat brackets for your seat by moving the sliders (arrow 2) or side brackets. Link the release mechanisms with the steel cable included at the holes indicated (arrows 3). Secure the cable with the provided clamps (arrow 4).



Mount the seat using the M8 bolts provided at your desired height and angle.

This page only applies to sliders for real bucket racing seats.



### Additional Parts Included for Racing Seat Sliders Style B

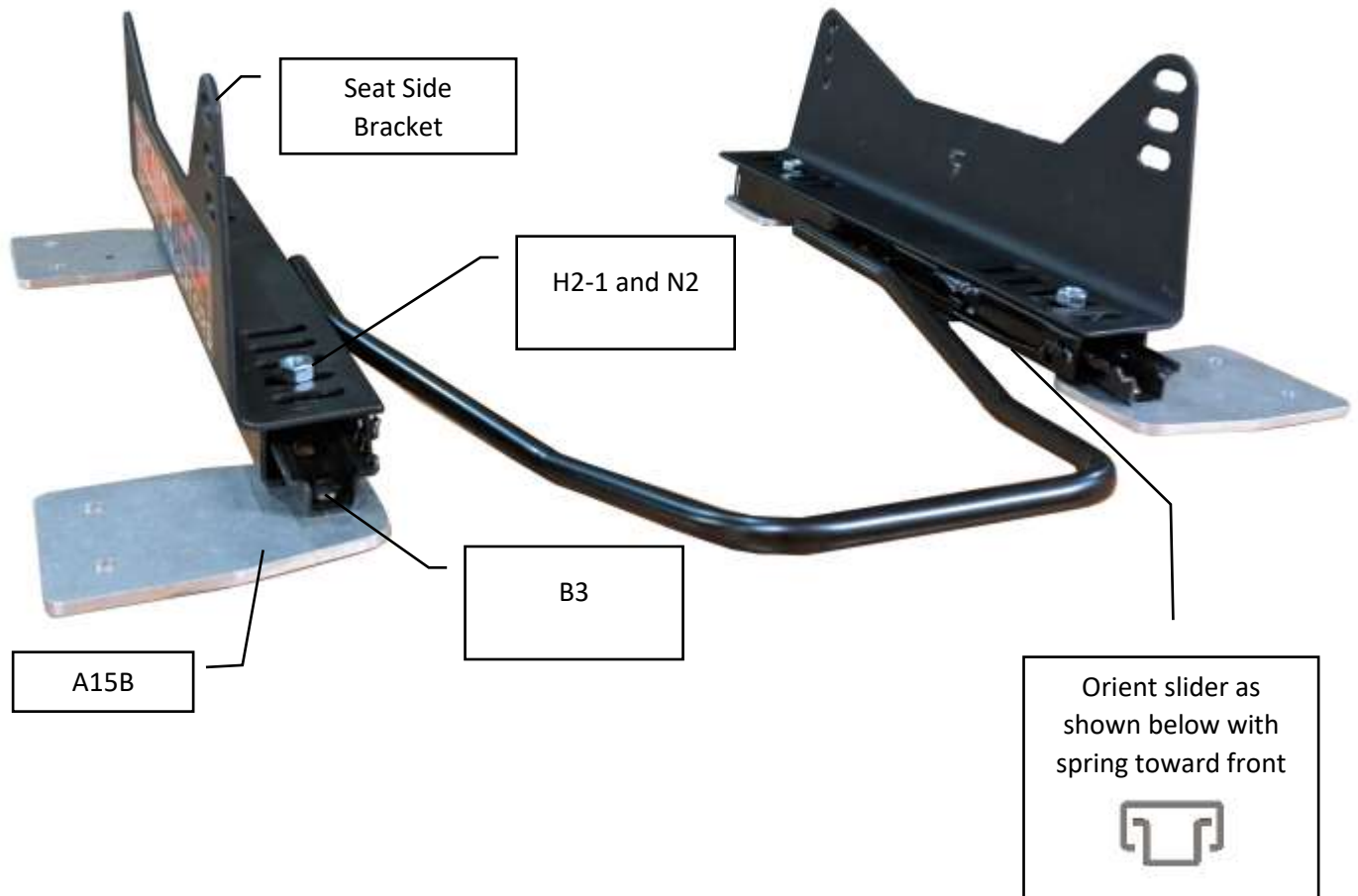
Item Code	Qty	Description	Image
A15B	4	Seat Tabs	
NRG-UNISEATSL	1 SET	Seat Sliders	
Side Brackets	1 SET	Seat Side Brackets (Style Varies)	
N2	4	5/16" Hex Nut	
B3	4	5/16" Button Head Bolt	
SEAT BOLT	4	M8 x 12 Bolts (varies by seat)	



This page only applies to sliders for real bucket racing seats.



### Seat Slider Style B Only (low-profile)



This page only applies to sliders for real bucket racing seats.



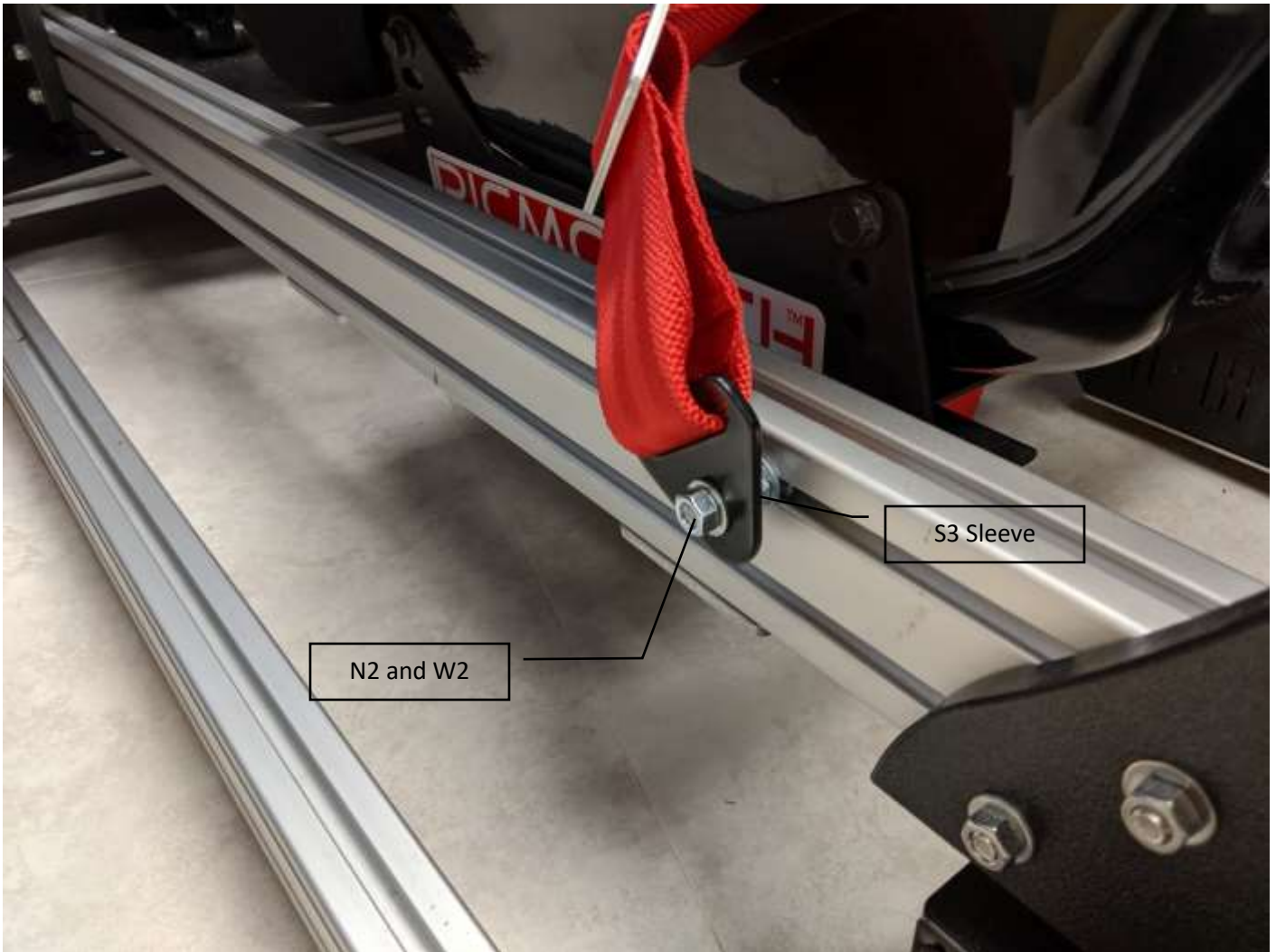
W2 x 8  
N2 x 8

Install the mounting plates as shown to the underside of the main rails using the bolts placed previously and secure with the nuts and washers indicated. Adjust the spacing of the seat brackets for your seat by moving side brackets laterally.



If the g-Sense belt system will be installed, then the submarine anchor bracket must be installed as shown using the rear mounting bolts.

This page only applies g-Sense Active Belt System



Anchor lap belt using the S3 Sleeve followed by the washer and nut as shown.

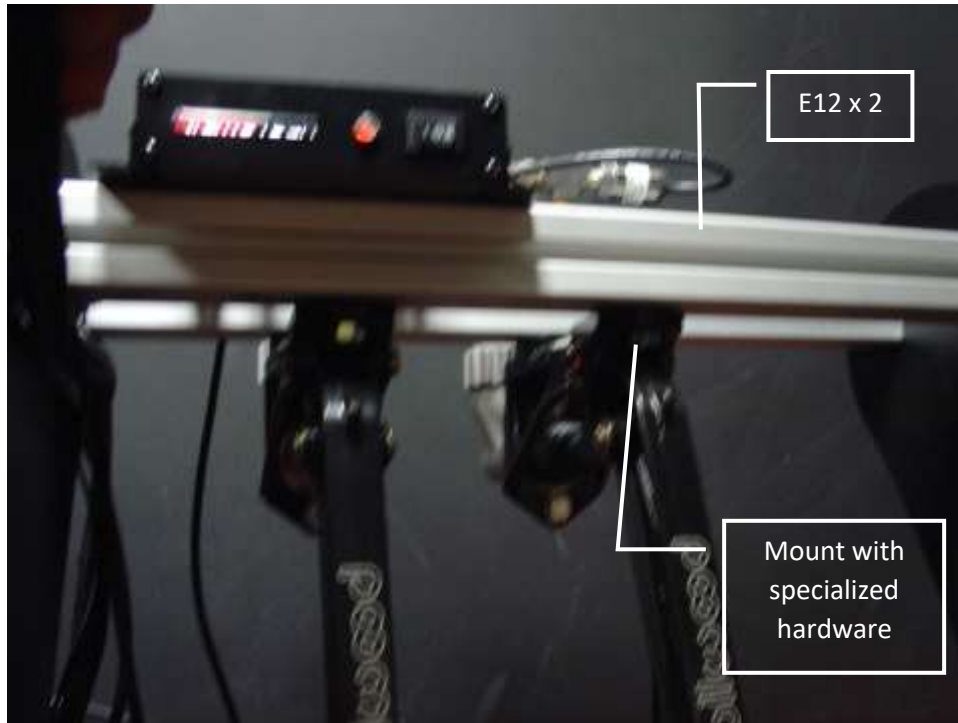
This page only applies to the Thrustmaster/Logitech Inverted Pedal Mount



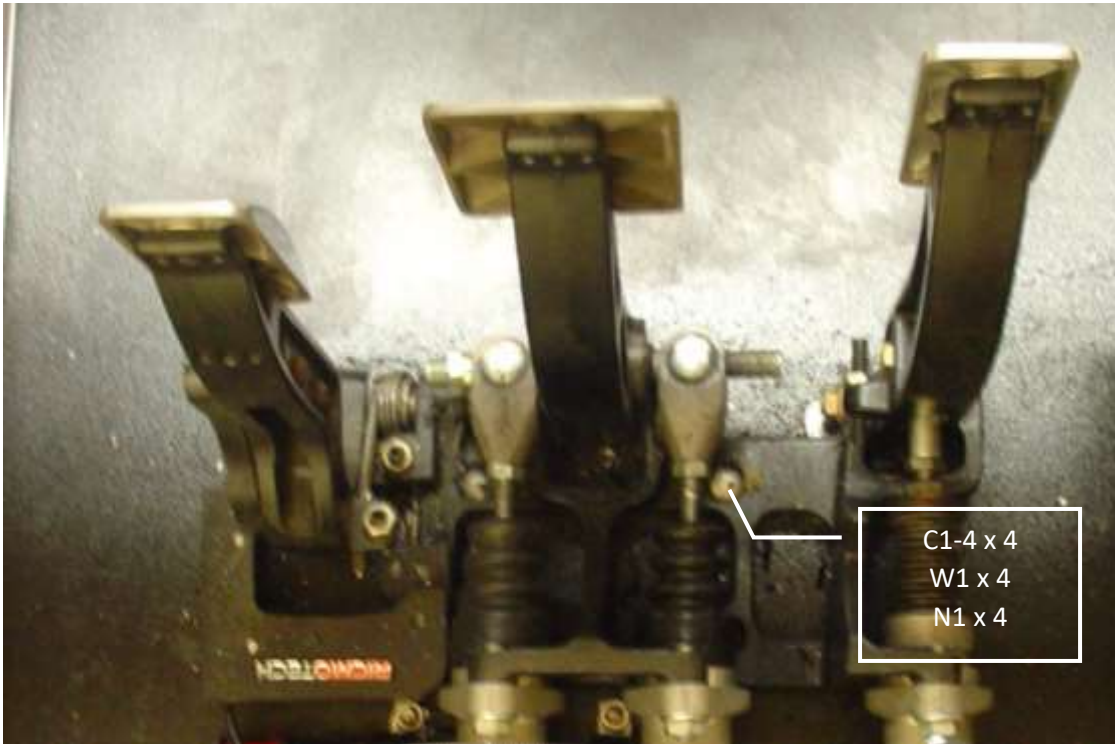
Invert mount Thrustmaster pedals as shown by removing the upper hoop and then using B1 bolts and W1 washers from the top side.

Invert mount Logitech G25/27/29 pedals by removing them from the case and using B1 bolts and W1 washers from the top side.

This page only applies to the GTpro1 Pedals

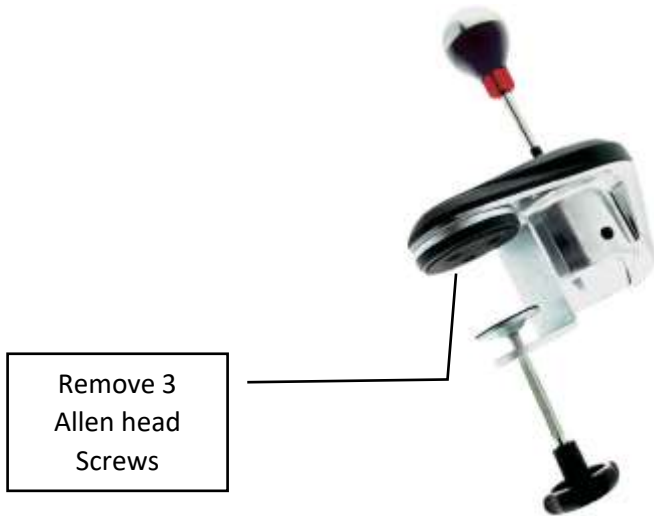


This page only applies to the GTpro3 Pedals

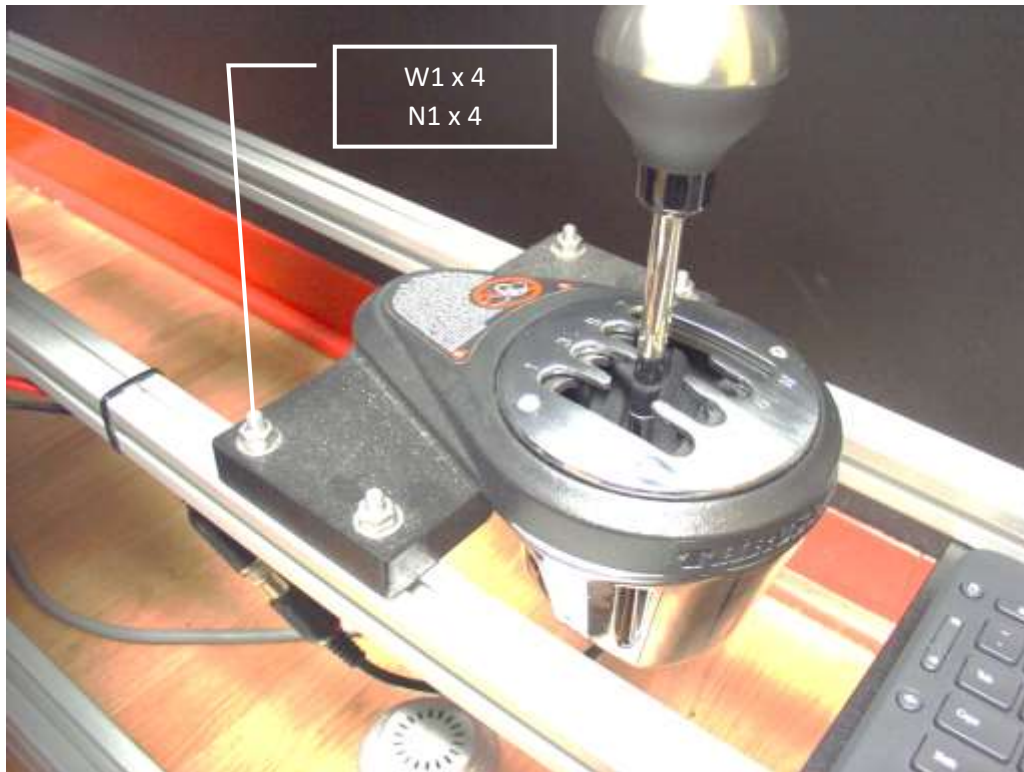


Mount GTpro3 pedals using hardware designated above.

This page only applies to the Thrustmaster/Logitech shifters



Remove table clamp by removing the indicated screws.



Mount the Thrustmaster TH8RS/TH8A or Logitech G25/27/29/920 shifter to the shifter plate as shown using B1 bolts and W1 washers.

This page only applies to the Fanatec Clubsport shifter



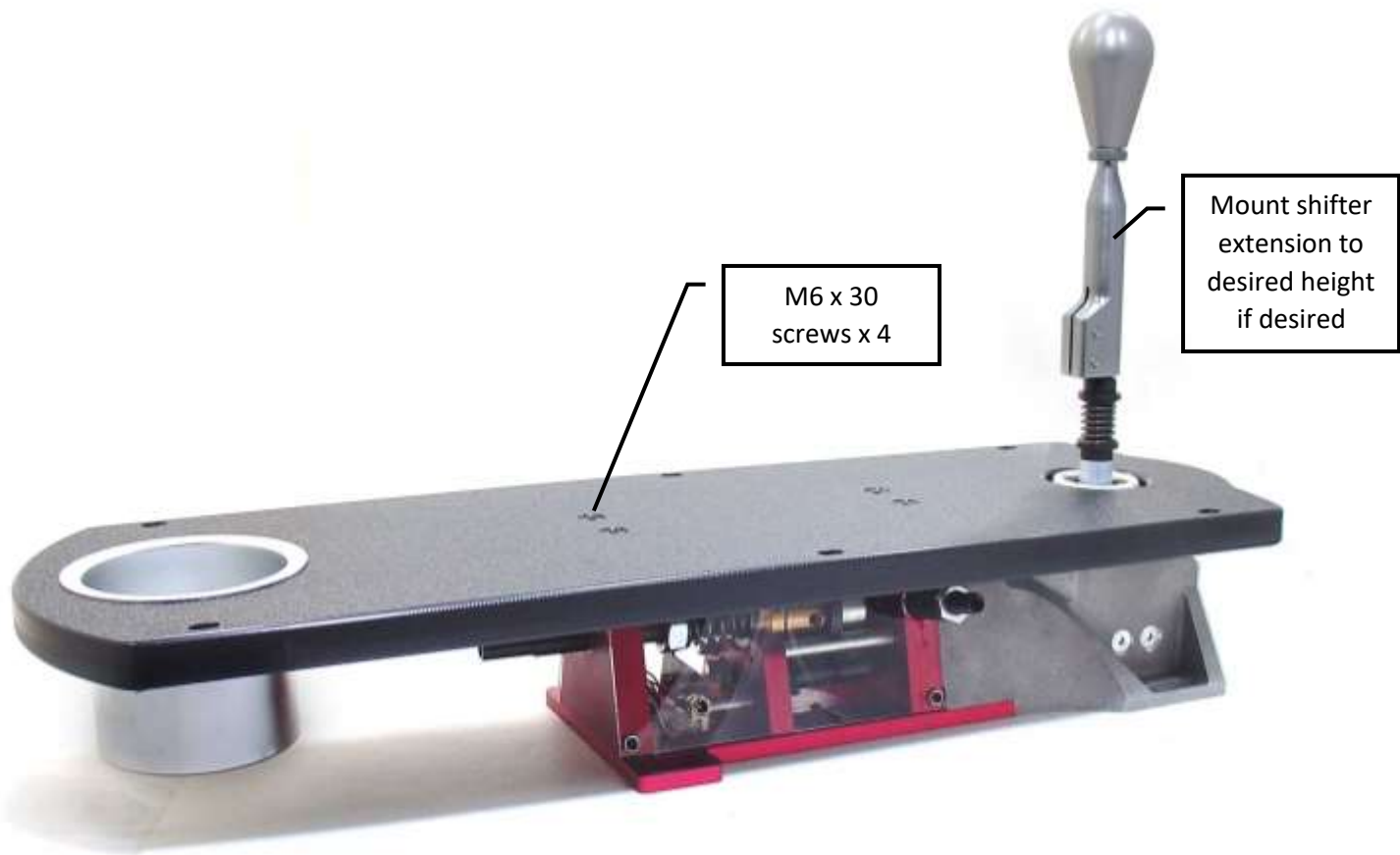
Mount the shifter between the adapter brackets as shown above and secure using the M4 x 14 screws provided with the kit and the insert nuts supplied by Fanatec.



This page only applies to the Pro H-Pattern shifter



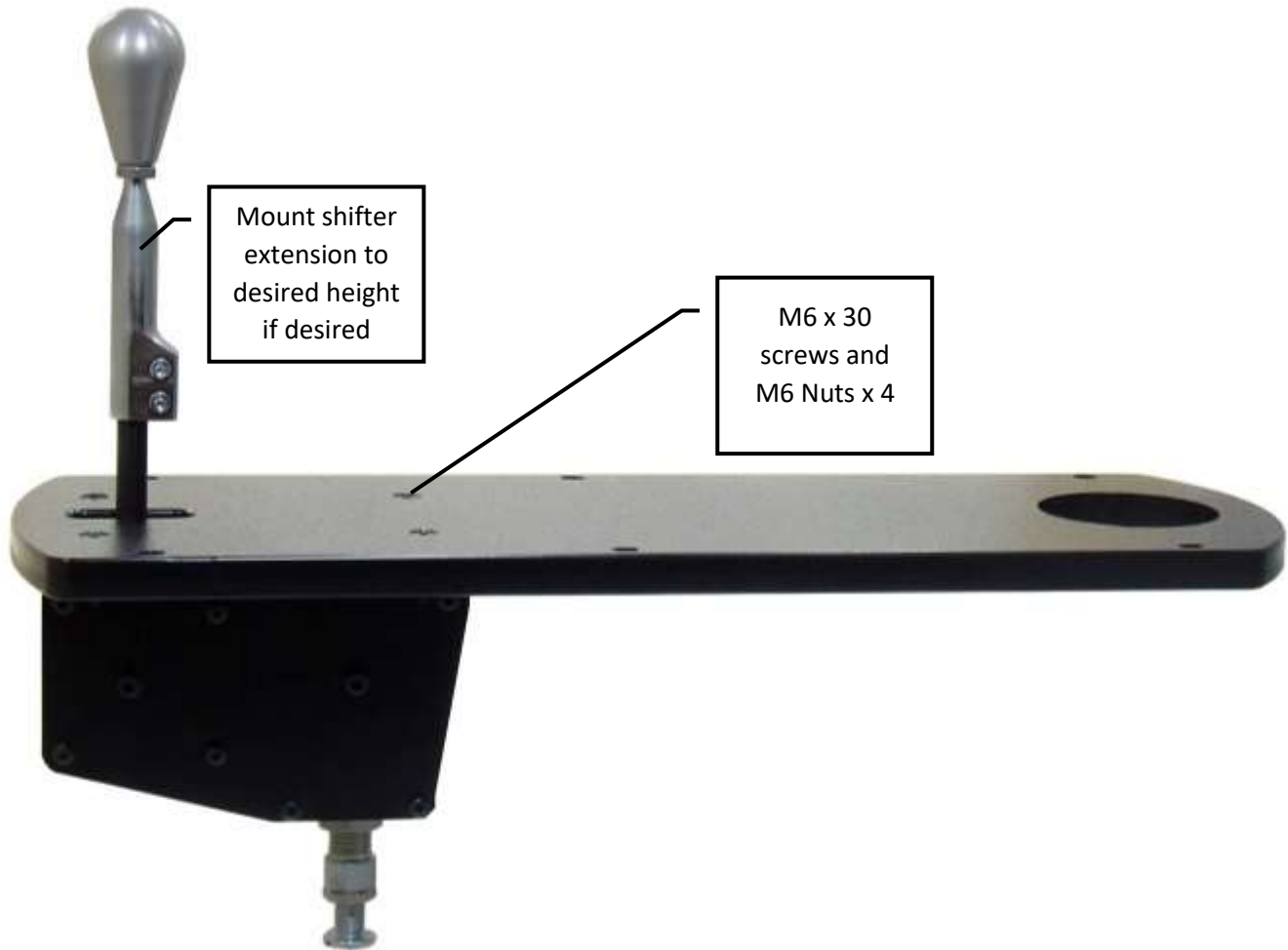
Remove four temporary screws from top cover. Keep top cover in place.



(Chassis not shown for clarity)

Mount the shifter under the B9-H panel and secure using the M6 x 30 screws provided with the kit.

This page only applies to the Pro Sequential shifter

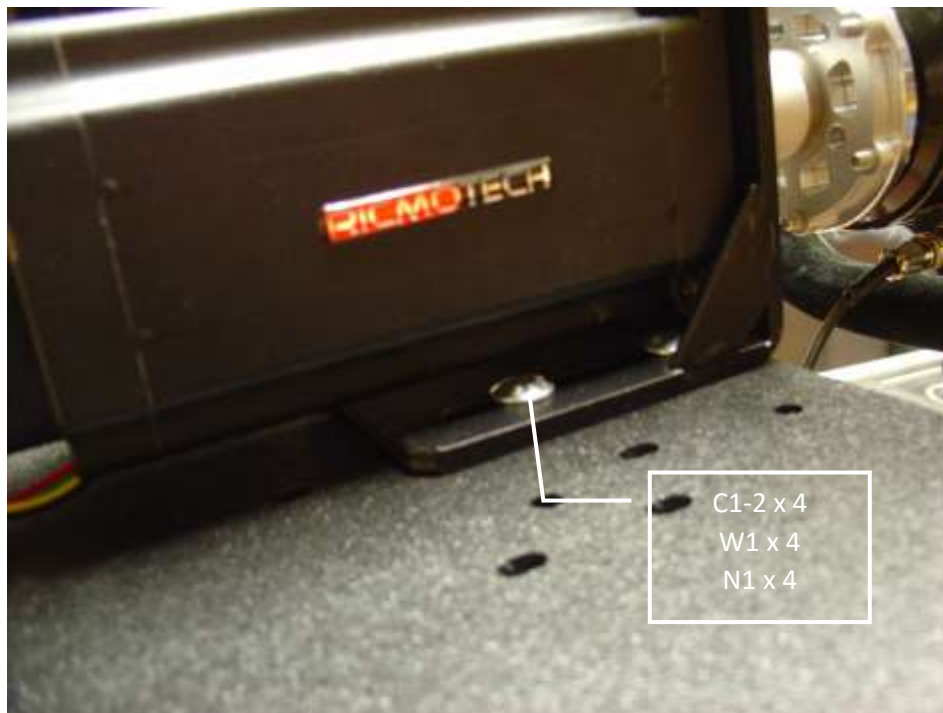


(Chassis not shown for clarity)

Mount the shifter under the B9-S panel and secure using the M6 x 30 screws and M6 nuts provided with the kit.

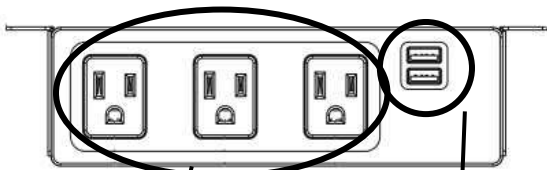
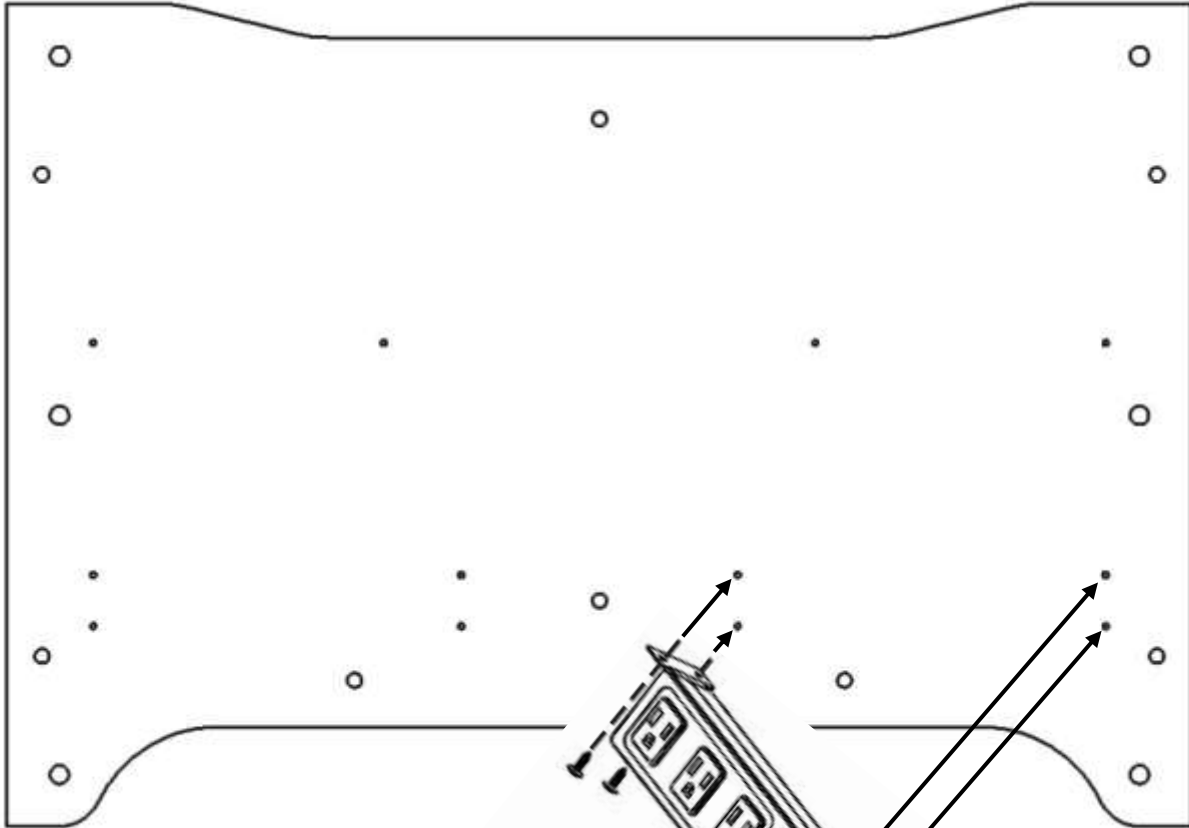
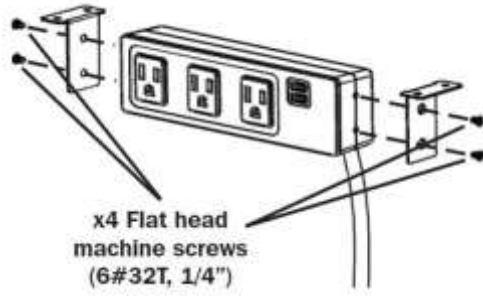


Mount the Thrustmaster wheel to the wheel deck using B1 bolts.



For the MiniMite wheel motor use the hardware shown above.

Mount optional Power Distribution Block for triple monitors as shown below.



For triple displays

For Charging Only (cell phone, etc.)  
Do not plug Sim Devices Here

Optional Velcro may be used between adjacent displays to prevent chatter on motion and vibration systems.



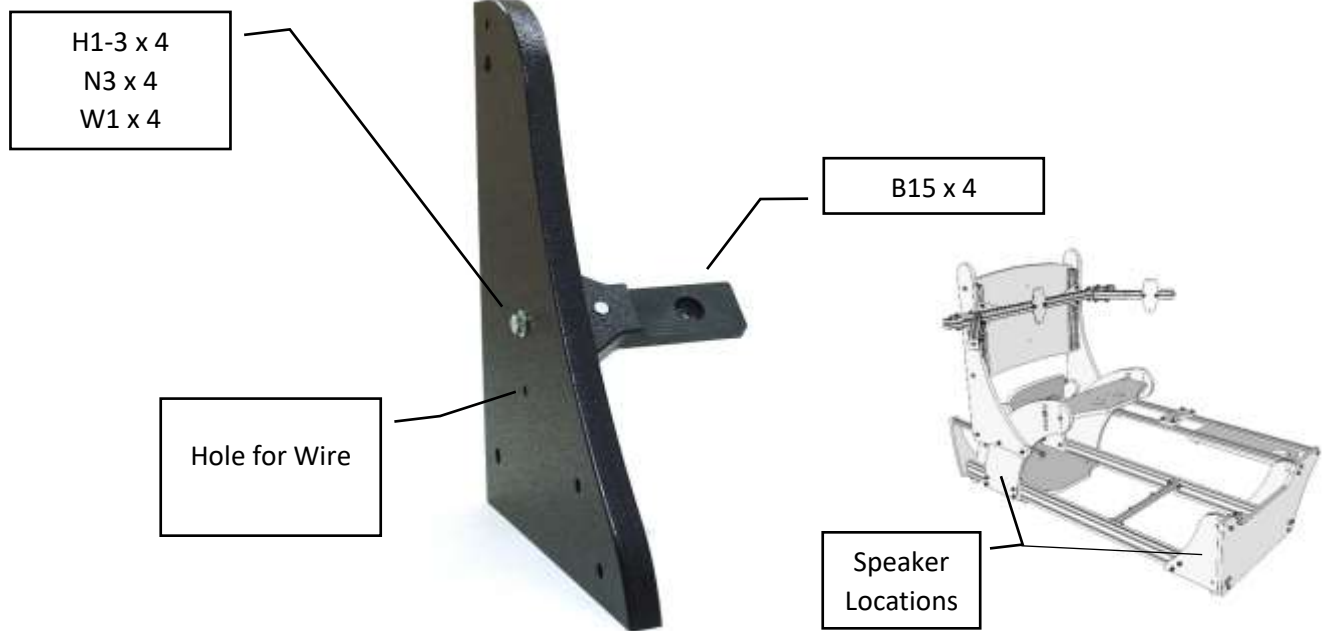
Mount USB Dock (if supplied) to underside of the wheel deck to the holes shown with the supplied screws.



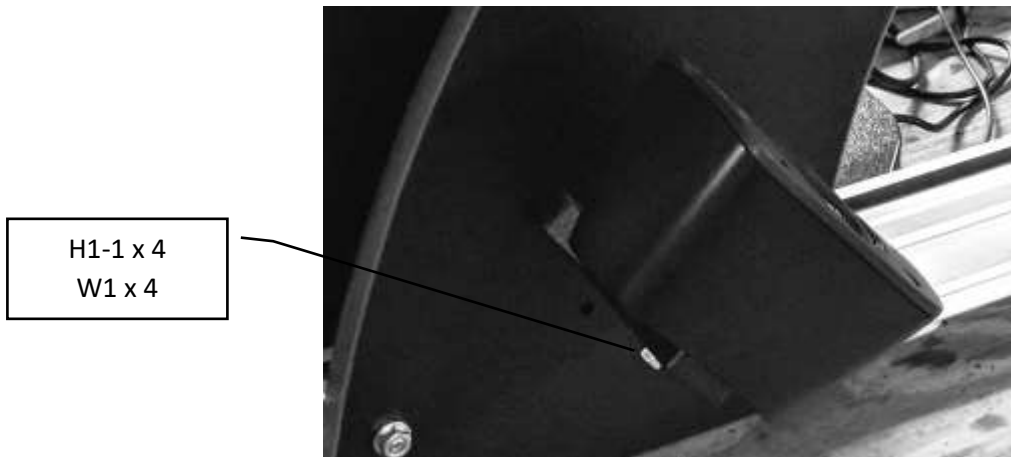


Place cup holder insert into opening in keyboard tray.

This page only applies if mounting the Ricmotech supplied speakers to the chassis



Mount brackets to outside of B5 and B7 as shown (parts isolated for clarity)

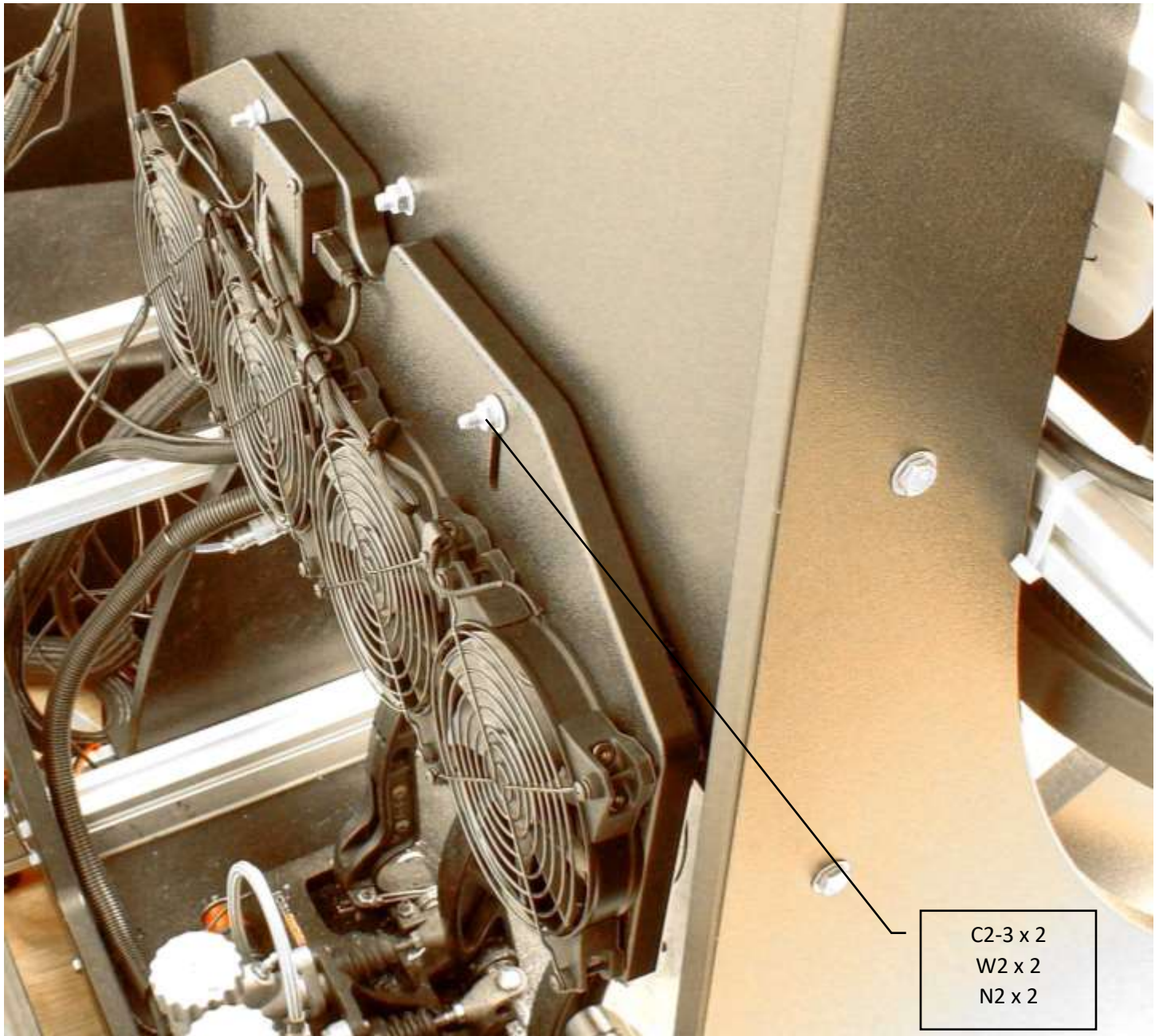


Mount speakers to brackets as shown

TIP: Set PC audio output to "5.1 Surround" then uncheck "Center" speaker. System will create a virtual center channel effect.



This page only applies to the Wind Simulator Fans



Mount the fan unit with the electronic connections facing away from the driver as shown above.

After assembly has been completed please complete the following checklist.

- ✓ Be sure all bolts and nuts are tight.
- ✓ Be sure finger guards have been installed on SlipSense motion system.
- ✓ Be sure cables have been neatly organized and tucked out of the way.