



Assembly Guide

IWB102_2016_A

Check out our other products online at
www.copernicused.com

For assistance, please contact us:

1-800-267-8494

Email info@copernicused.com

Have your packing slip ready for reference

WARNING !

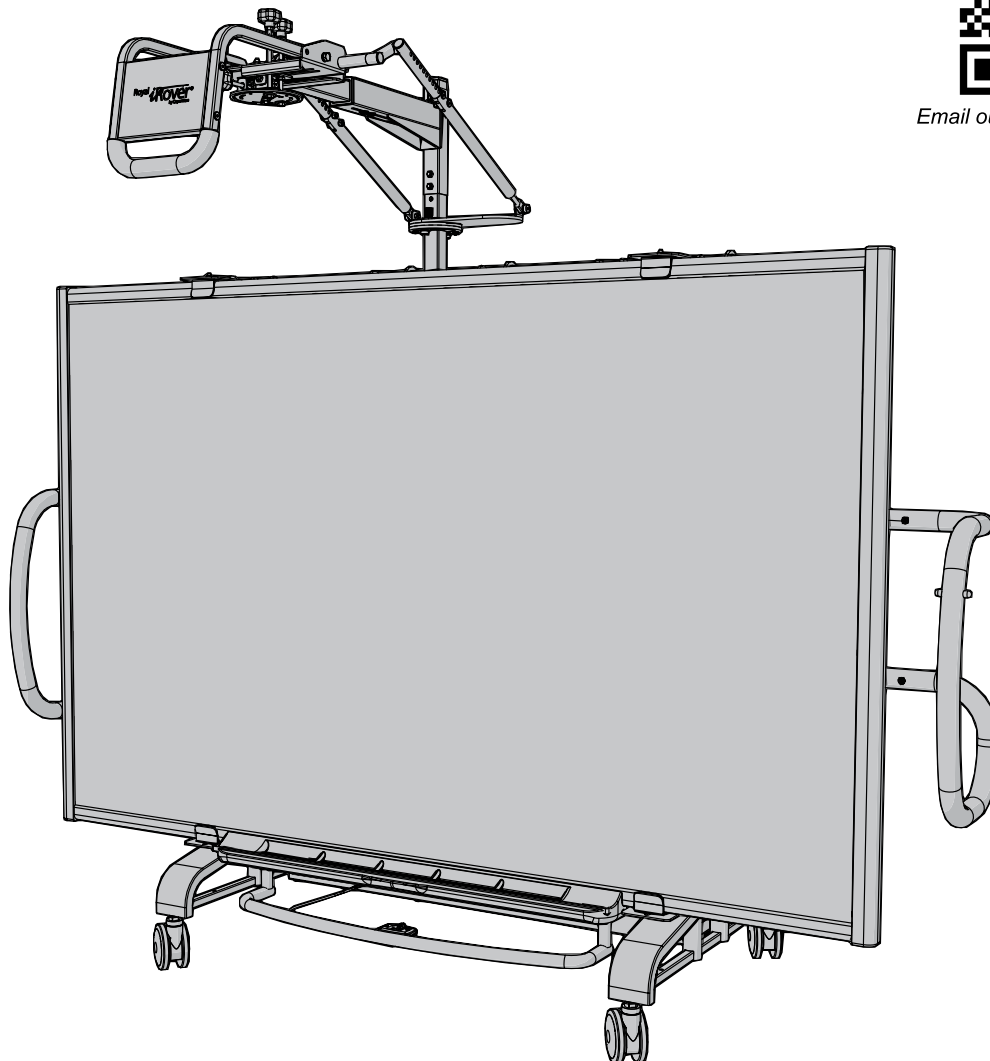
- This product is meant to be assembled by an adult.
- In its unassembled state, small parts present a hazard.
- To be used under direct supervision of an adult.

"If you ever need to change the Board or Projector on your iRover2™, please contact us so we can assist you."

**Need Support?
Have a Question?**



Email our Customer Support



Projector Arm may not be exactly as shown, depending on your model.





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Dear Educator,

Thank you for purchasing one of our products. I hope the assembly of your iRover^{2™} went well.

If you have any questions, or concerns, or ideas for how we can improve, please call us at 1-800-267-8494, where someone will be happy to help.

Enjoy using your new product, and happy teaching,

Jim Phillips
 President

We do not inherit the earth
 from our ancestors, we
 borrow it from our children.

NORTH AMERICAN
 PROVERB

Change is the end result of
 all true learning.

LEO BUSCAGLIA

What you leave behind is
 not what is engraved in
 stone monuments, but
 what is woven into the lives
 of others.

PERICLES

Education is the most
 powerful weapon which you
 can use to change the world.

NELSON MANDELA

5
Year
 Warranty
 Frame

Validate Your Warranty

To validate your 5 year warranty, submit the ON-LINE form at www.copernicused.com
Enter a drawing to win a Copernicus Product for your classroom at the same time!





Warning! Hazard Risks!

Please read the warnings below for important safety information regarding your product. Failure to read these warnings or to follow the instructions below could result in personal injury or damage to your product that could void your warranty.



Small Parts

In its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.



Adult Supervision

This product is to be used under the supervision of an adult.



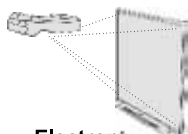
Indoor Use Only

This product is intended for indoor use only. To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The internal components are not sealed from the environment.



Powerbar Specifications

Read your powerbar's electrical specifications. Only plug in devices that are approved for use with this powerbar. Connect the supplied power bar directly to a wall outlet. **Do not connect to another power bar or use an extension cord.** Unplug when not in use.



Electronic Equipment

Read the electrical specifications of any electronic equipment you are using with your Copernicus products. Failure to read these specifications and follow their instructions could result in damage to your equipment or personal injury.



Cable Trip Hazard

Ensure that any cables extending across the floor to your product are properly bundled and marked to avoid tripping or falling which may lead to personal injury.



Electrical Shock

Do not install or use the electrical components of this unit during a lightning storm.



Climb Hazard

Do not climb on, hang from or suspend objects from any components of your product unless otherwise specified.





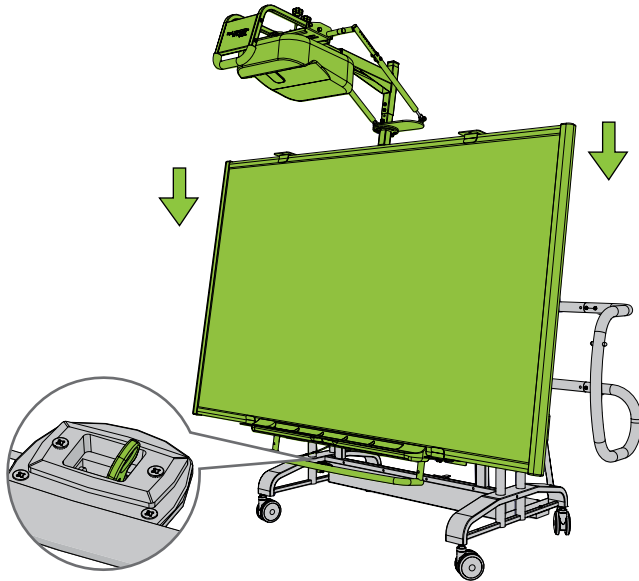
Moving Your iRover²™



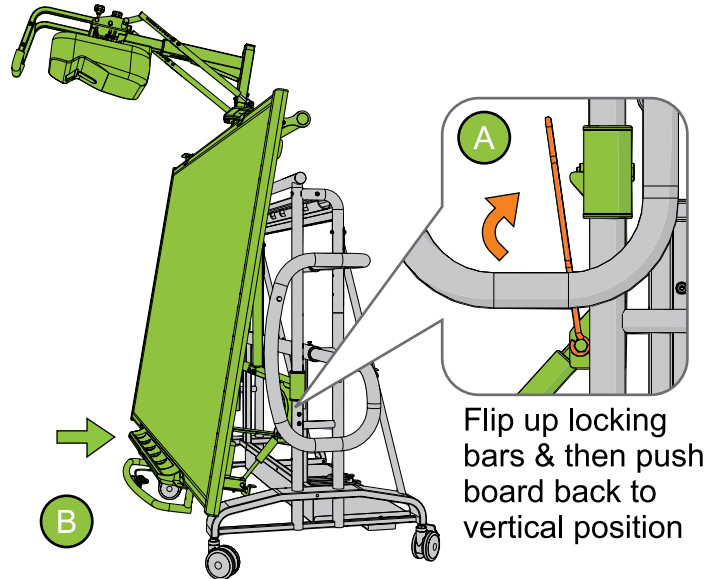
Always move your iRover²™ with two people.

When moving your iRover²™ or when not in use, ensure that the projector arm is turned to the side, the unit is sitting in the lowest height, and the board is vertical and not tilted, to avoid the risk of tipping.

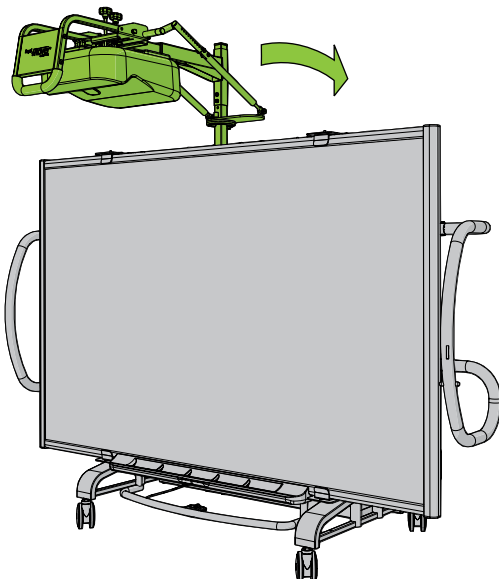
1) Lower Board All the Way



2) Remove tilt by pushing board inward

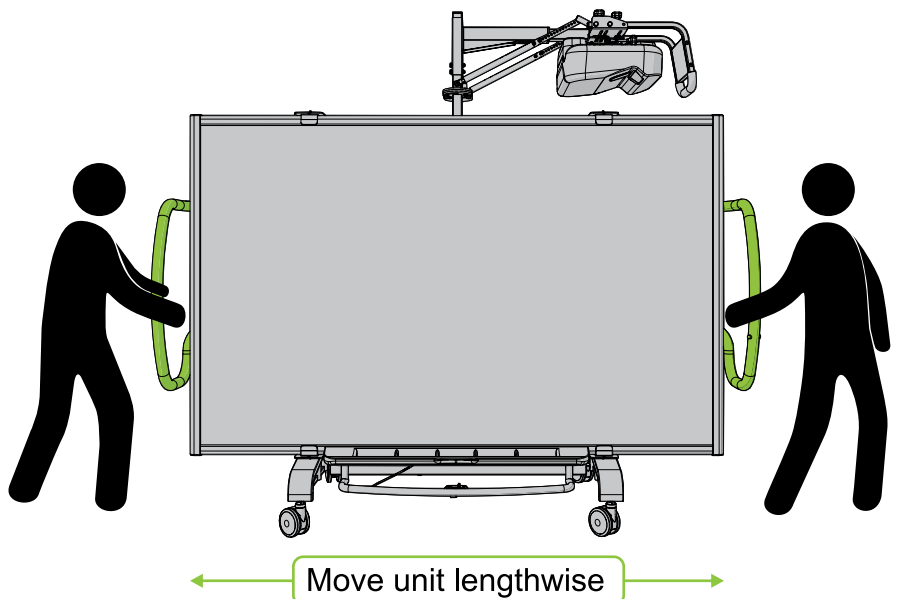


3) Turn PA to side



4) Always move unit with two people

**Don't forget to unlock your casters*

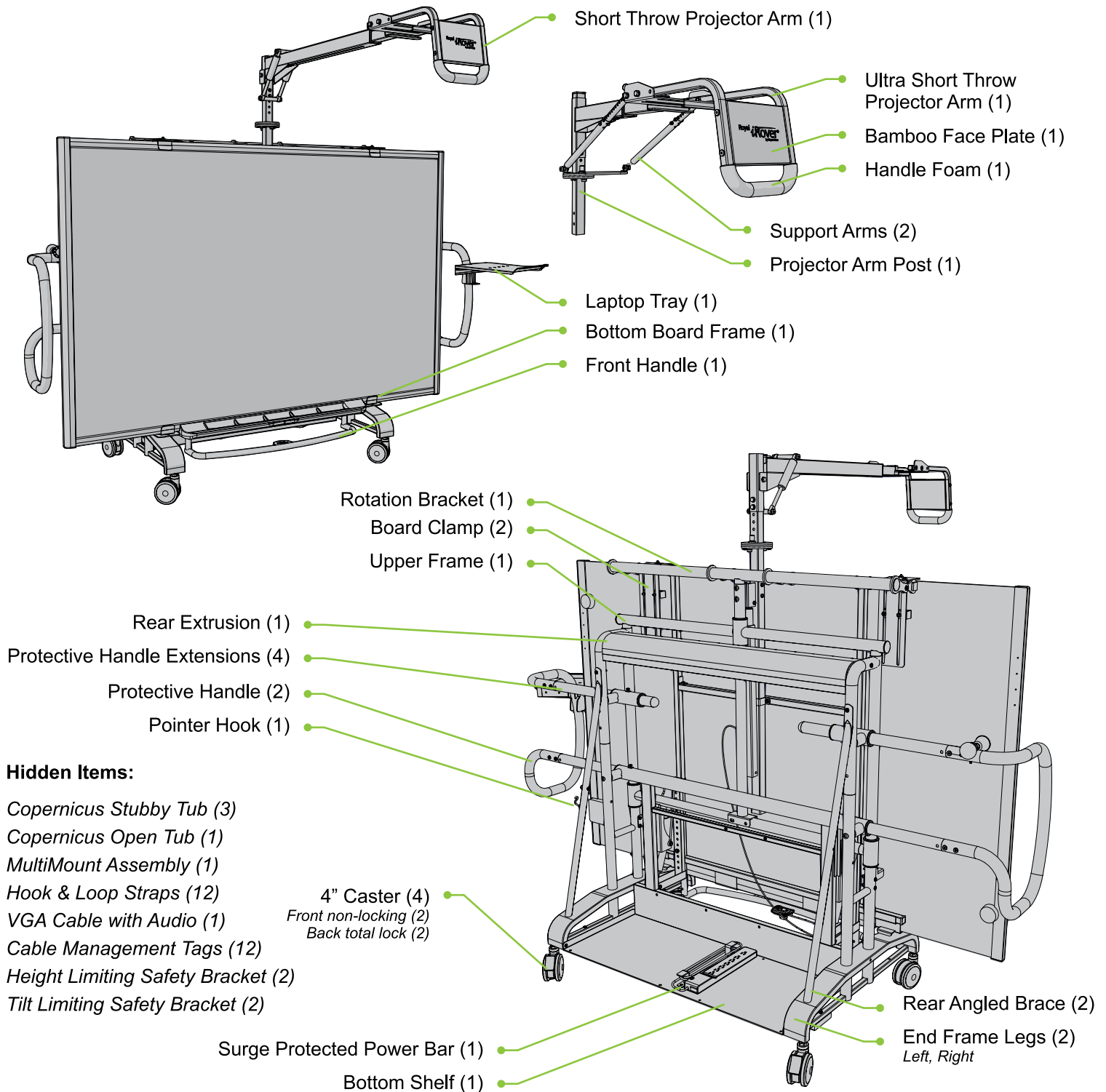


**WARNING**

Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.

Projector & Interactive Board not included.

Parts may vary depending on your model.



Before beginning, you should have:

Additional tools required:



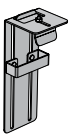
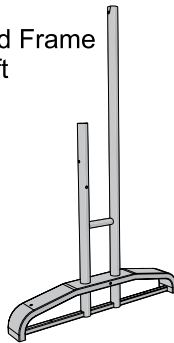
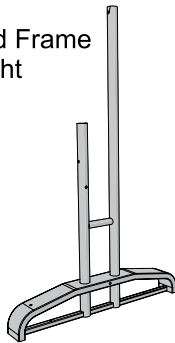
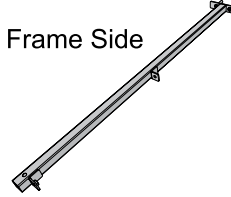
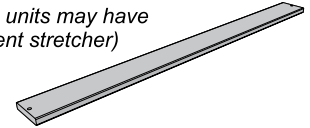
OR

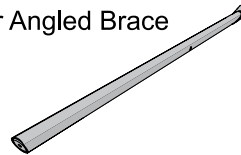
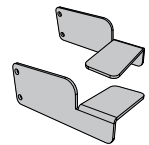
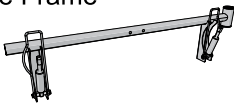
 7mm,
10mm,
13mm (2),
17mm (2)

+

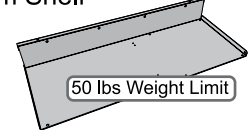
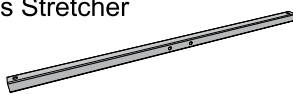
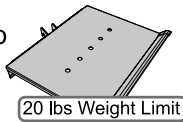
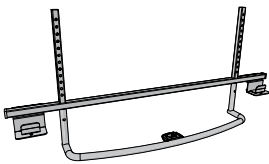
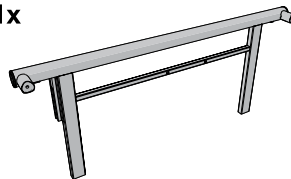
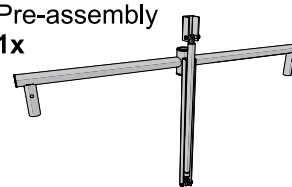
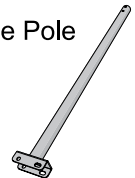
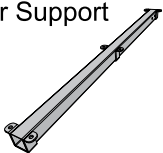
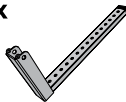
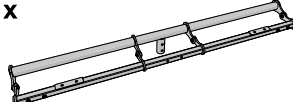
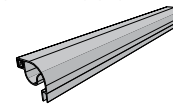
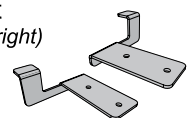
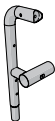
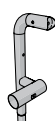
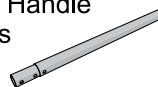
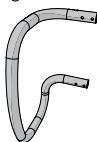
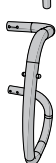
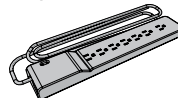
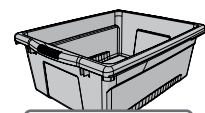
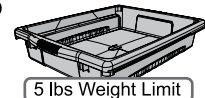


+

**Contents - IWB-0**
 Board
Clamp
2x

 End Frame
Left
1x

 End Frame
Right
1x

 Board Frame Side
2x

 Bottom Shelf Stretcher
(base units may have
different stretcher)
1x

 Slide Frame
Handle
1x

 Rear Angled Brace
2x

 Height Limiting
Safety Bracket
(left and right)
2x

 Slide Frame
1x

 Hook & Loop Straps
(saved from your
packaging in this box)
12x

 4" Caster
(2 non-locking,
2 locking)
4x

 Bottom Shelf
1x

 Cross Stretcher
2x

 Laptop
Tray
1x
**Contents - IWB-1 or IWB-2**
 Board Frame Mount
1x

 Protective Handle Holder
1x

 Upper Frame
Pre-assembly
1x

 Center Slide Pole
1x

 Center Support
1x

 Tilt Brace
2x

 Rotation Bracket
1x

 Rear Extrusion
1x

 Tilt Limiting Safety
Bracket
(left and right)
2x
**Contents - IWB-3**
 Back Support
Left
1x

 Back Support
Right
1x

 Protective Handle
Extensions
4x

 Protective
Handle Left
1x

 Protective
Handle Right
1x

 Power Bar
1x
**Contents - IWB-CB**
 Open Tub
1x
(CC4068)

 Stubby Tub
3x
(CC4074)


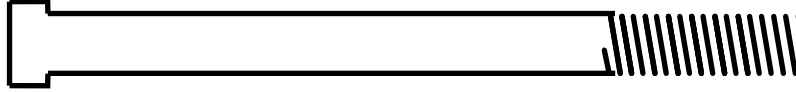
... box hardware on following page

Before beginning, you should have:

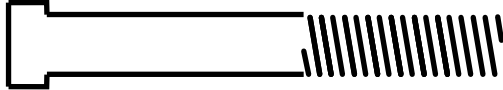
In IWB-0

Hardware
Actual Size

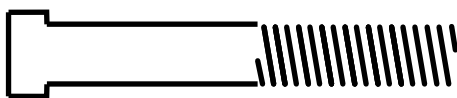
(A) Partially threaded M8 x 100mm bolt
2x



(B) Partially threaded M8 x 60mm bolt
2x



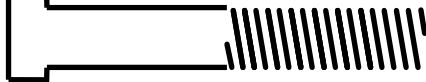
(C) Partially threaded M8 x 55mm bolt
10x



(D) Partially threaded M10 x 55mm bolt
2x



(LL) Partially threaded M8 x 50mm bolt
2x



(E) Partially threaded M8 x 40mm bolt
4x



(F) Partially threaded M8 x 35mm bolt
10x



(J) M5 x 60mm bolt
1x



(G) M6 x 50mm bolt
6x



(Y) M6 x 40mm bolt
2x



(H) M6 x 30mm bolt
10x



(i) M6 x 25mm bolt
1x



(X) M6 x 15mm bolt
6x



(K) M4 lock nut
4x



(XX) M5 Lock Nut
1x



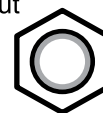
(Z) M6 lock nut
9x



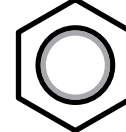
(L) M6 nut
4x



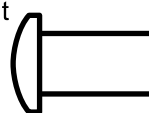
(M) M8 lock nut
16x



(N) M10 lock nut
2x

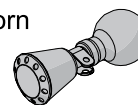


(O) M6 barrel nut
11x



Allen Key 4mm
2x
(Not to Scale)
(43281)

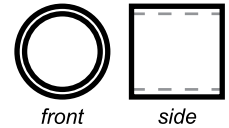
Attention horn
1x



Caster wrench
1x



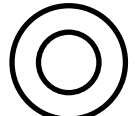
(P) 12mm spacer
4x



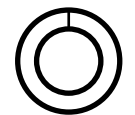
(Q) M6 lock washer
17x



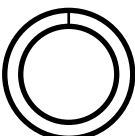
(R) M8 flat washer
12x



(S) M8 lock washer
14x



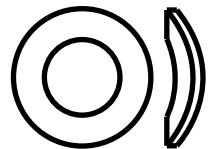
(T) M12 lock washer
4x



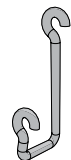
(U) M6 internal tooth lock washer
2x



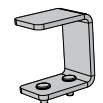
(V) Contour washer
6x



Pointer hook
1x



Cable hook
2x



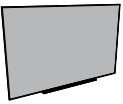
Bag of extra hardware
1x
(432091)



Before beginning, you should have:

Contents - 32126A

Copernicus 77"
whiteboard
1x



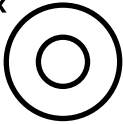
Whiteboard
bracket
4x



ZZ 1/4" lock
nut
4x



YY 1/4" washer
4x



sold separately

Contents - 32128A

Copernicus 87"
whiteboard
1x



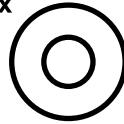
Whiteboard
bracket
4x



ZZ 1/4" lock
nut
4x



YY 1/4" washer
4x



sold separately



Before beginning, you should have:

Contents - IWB-4

Ultra Short Throw Projector
Arm
1x

Brace Spacer
(comes attached to
Inner Brace)
1x

Outer Brace
2x

Inner Brace
2x

MultiMount
1x

Spider Arm
Long
2x

Spider Arm
Medium
2x

Spider Arm
Short
4x

VGA Cable
1x

Ultra Short Throw
Projector Post
1x

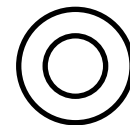
In IWB-4

Hardware
Actual Size

DD M6 flat washer
2x



R M8 flat washer
6x



Q M6 lock washer
4x



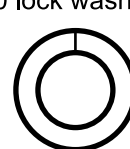
S M8 lock washer
6x



L M6 nut
4x



GG M10 lock washer
2x



EE M6 nut coarse
thread
2x



HH Knob
2x
(Not to Scale)
(42104)

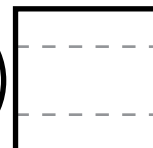
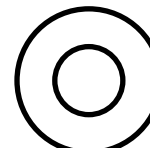
FF M6 lock nut
2x



M M8 lock nut
2x



ii 19mm
spacer
2x



front

side

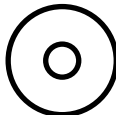
MM M4 lock
washer
4x



RR M4 x 10mm bolt
4x



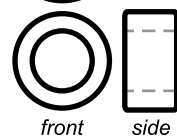
NN Flat
washer
8x



SS M4 x 16mm bolt
4x



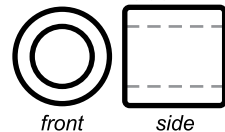
OO 1/4"
spacer
4x



TT M4 x 20mm bolt
4x



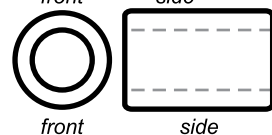
PP 1/2"
spacer
4x



WW M4 x 25mm bolt
4x



QQ 3/4"
spacer
4x



UU M4 x 30mm bolt
4x



VV 10-24 x 0.5" Bolt
4x



H M6 x 30mm bolt
4x



JJ M10 shoulder bolt - M8 x 11mm thread
2x



KK M8 x 40mm bolt
4x



LL Partially threaded M8 x 50mm bolt
2x



Before beginning, you should have:

Contents - IWB-5

Short Throw Projector Arm
1x

Spider Arm
Long
2x

Spider Arm
Medium
2x

Spider Arm
Short
4x

VGA Cable
1x

MultiMount
1x

Short Throw
Projector Post
1x

In IWB-5

Hardware Actual Size

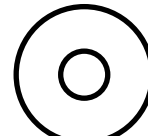
(EE)

M6 nut coarse
thread
2x



(DD)

M6 flat washer
2x



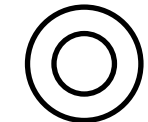
(FF)

M6 lock nut
2x



(R)

M8 flat washer
2x

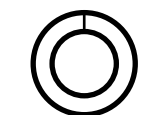


(HH)

Knob
2x
(Not to Scale)
(42104)

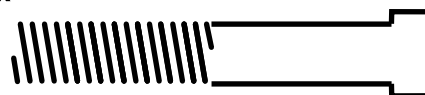
(S)

M8 lock washer
2x



(LL)

Partially threaded M8 x 50mm bolt
2x



(RR)

M4 x 10mm bolt
4x



(TT)

M4 x 20mm bolt
3x



(WW)

M4 x 25mm bolt
4x



(UU)

M4 x 30mm bolt
4x



(VV)

10-24 x 0.5" bolt
4x



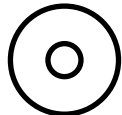
(MM)

M4 lock washer
4x



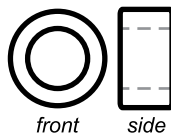
(NN)

Flat washer
12x



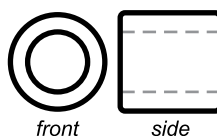
(OO)

1/4" spacer
3x



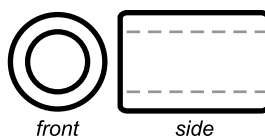
(PP)

1/2" spacer
3x



(QQ)

3/4" spacer
4x



Tips for Assembly

Watch for These Helpful Symbols

This symbol denotes a 2- or 3- Person Task. For safety, please ensure that there are the suggested number of people working on steps displaying this symbol.



Watch for this symbol throughout the Assembly Guide. Wherever you see it, pay close attention. The symbol denotes a step needing extra attention to ensure it is done correctly.



The star symbol highlights an advisory note.



Before You Begin

- Lay out and identify all of the included parts.
- The hardware has been packed according to step.
- Read the assembly guide over once to familiarize yourself with them.

! Please note that in its unassembled state, this product contains parts that can be hazardous to small children. This product should be assembled by an adult.



As You Assemble the Unit

- Follow the steps in sequence.
- Before beginning each step, find the part(s) that you need for that step.
- Pay attention to the labels on the parts; they are there to help direct you at certain stages.
- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.



Customer Service - FAQ's ??

For missing parts and other issues regarding the frame:

- The height adjust system is not working.
- The projector mount cannot be rotated.
- I lost the key to my lock box.

Please call Copernicus Customer Service, where we will be happy to help.

1-800-267-8494. Monday - Friday 8:30am - 4:30 pm EST.

OR

Email our Tech Support Service at vanessa@copernicused.com

**Need Tech Support?
Have a Question?**



Email our Tech Support Service

My projector isn't working, who should I call?

Please call the reseller that you bought the product from first (reseller information can be found on your packing slip).

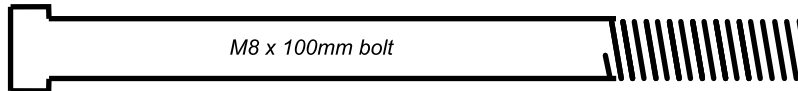
My interactive board isn't working, who should I call?

Please call the reseller that you bought the product from first (reseller information can be found on your packing slip).



1

Actual Size:



M8 x 100mm bolt

(A)
2x



(S)
2x



(R)
2x



(X)
M6 x 15mm Bolt
2x

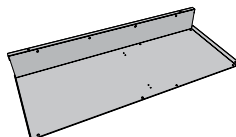


(U)
M6 internal tooth lock washer
2x

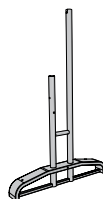


2-Person Task

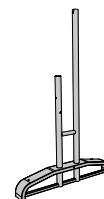
You will need: (Not to Scale)



Bottom Shelf
1x



End Frame Left
1x

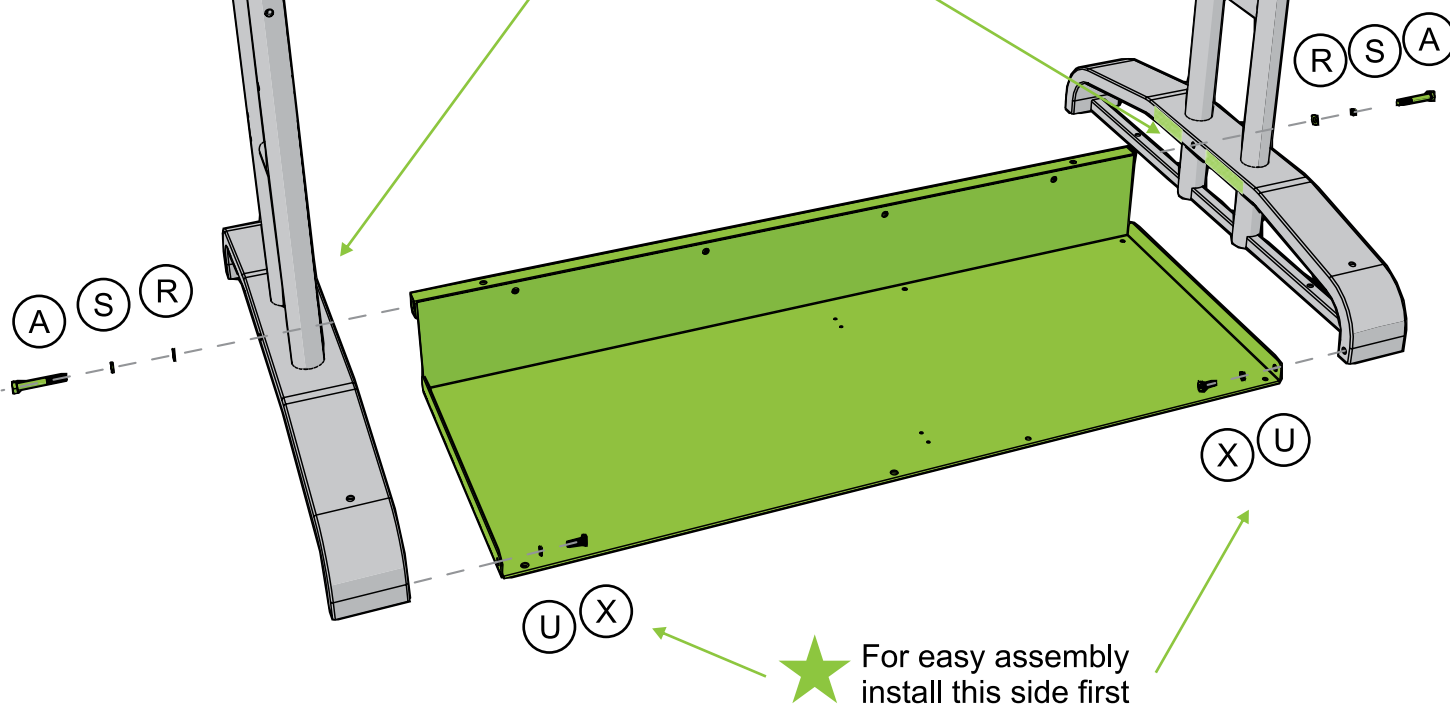


End Frame Right
1x

Attach End Frames to the Bottom Shelf

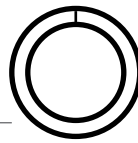
! Leave these bolts loose for now,
tighten when you reach Step 4B

★ Ensure green stripes face
inwards towards each other



2

Actual Size:



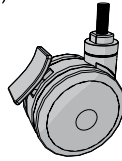
T

M12 Lock Washer
4x

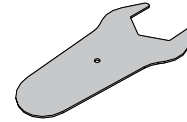


2-Person Task

You will need: (Not to Scale)



4" Caster
(2 non-locking, 2 total lock)
4x



Caster Wrench
1x

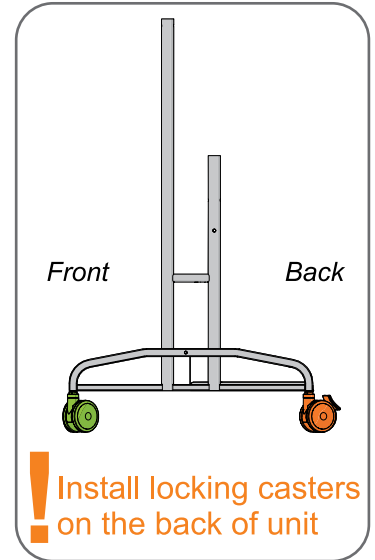
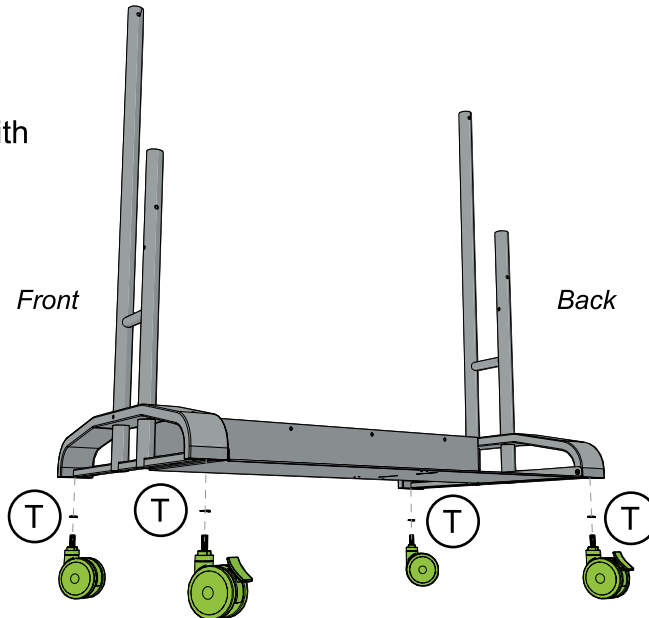
Install Casters



Tighten casters with
supplied wrench



Do not lock
casters prior to
tightening



3

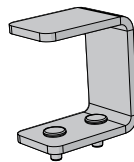
Actual Size:



K

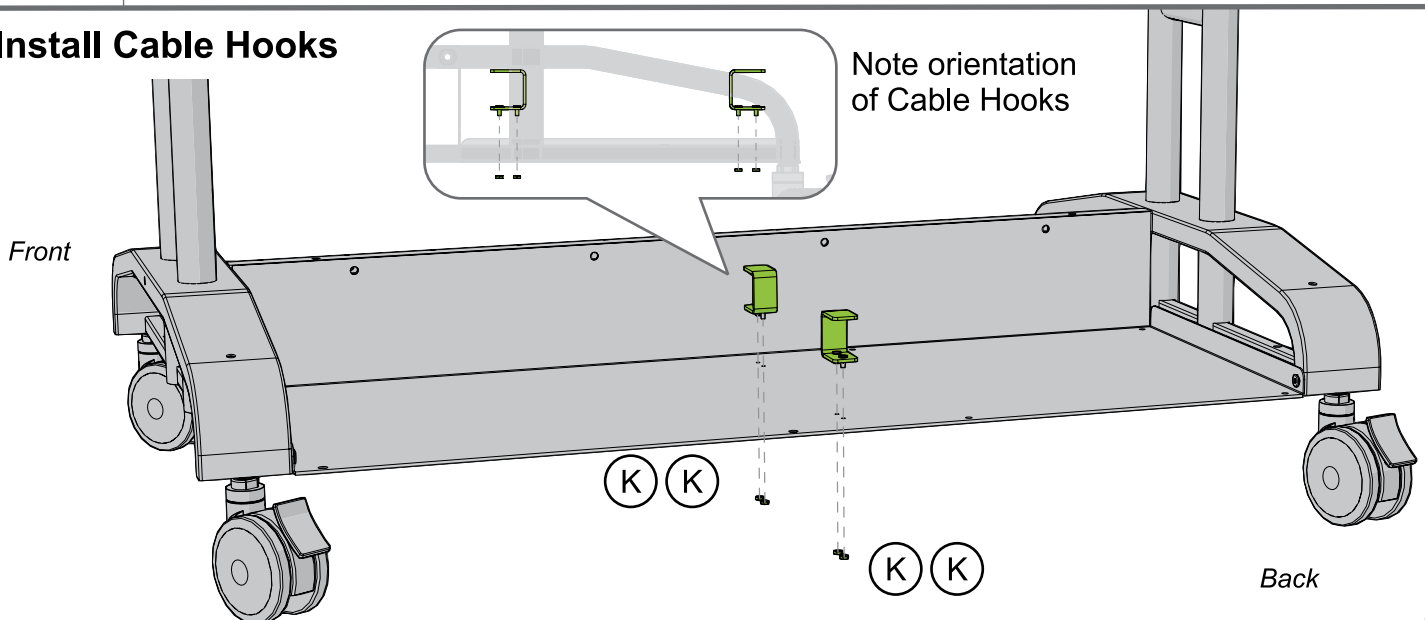
M4 Lock Nut
4x

You will need: (Not to Scale)



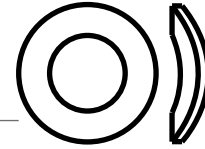
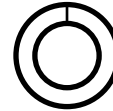
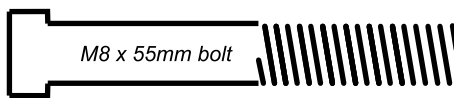
Cable Hook
2x

Install Cable Hooks

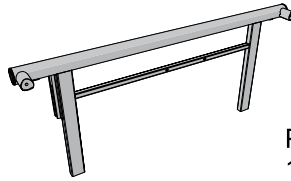


4A

Actual Size:

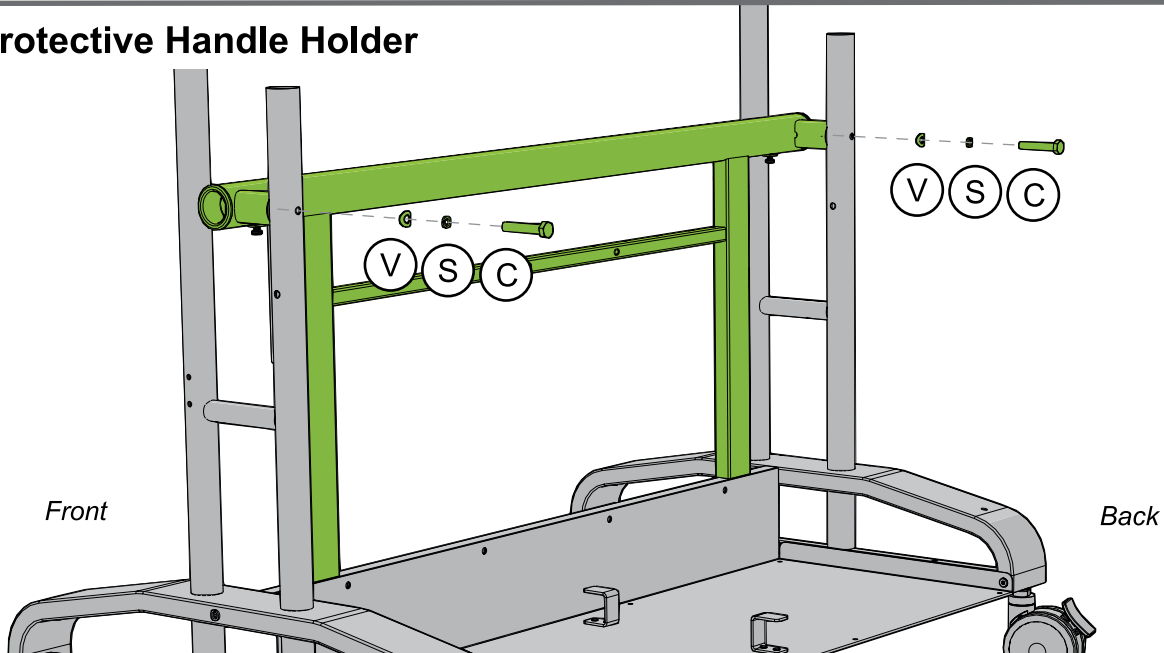


You will need: (Not to Scale)



Protective Handle Holder
1x

Install Protective Handle Holder

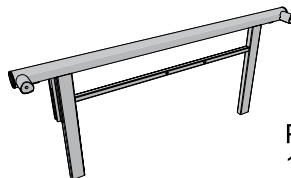


4B

Actual Size:

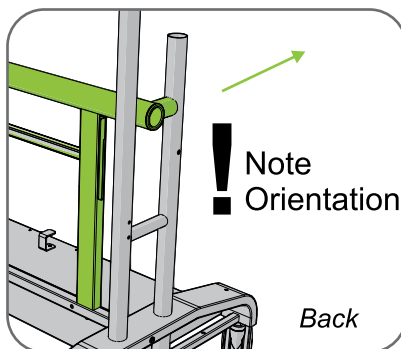


You will need: (Not to Scale)

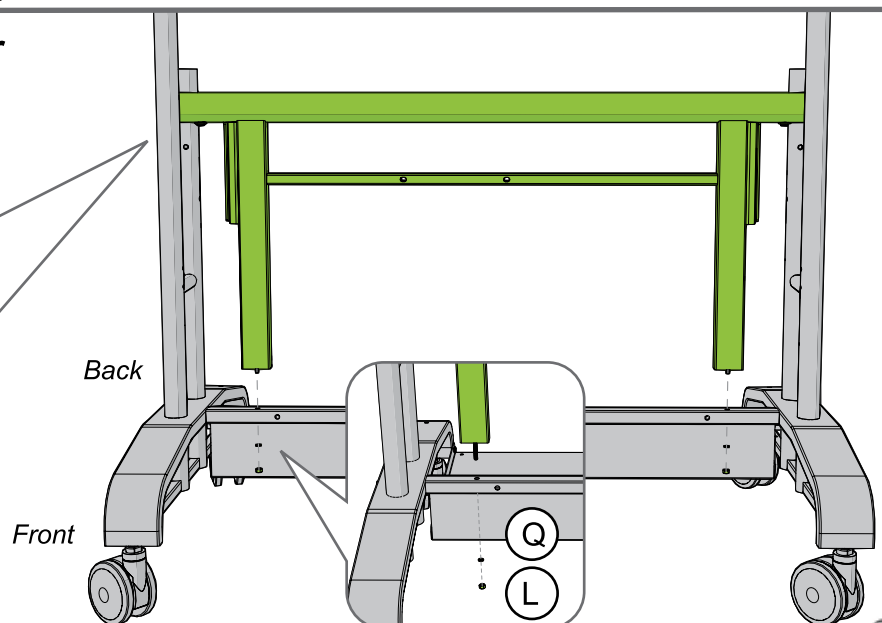


Protective Handle Holder
1x

Install Protective Handle Holder



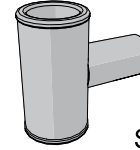
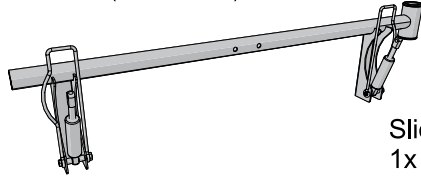
! Tighten all bolts on the
unit right now



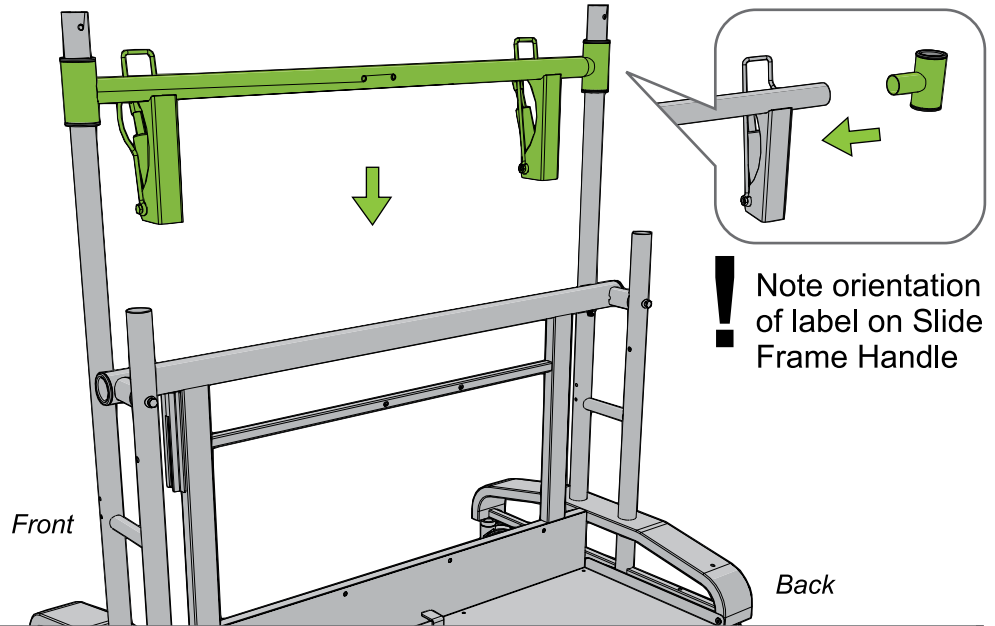
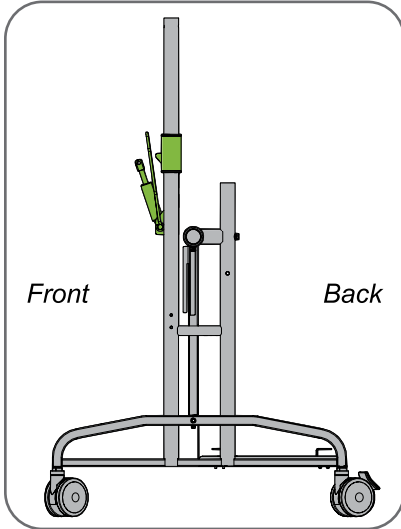
5

Actual Size:

You will need: (Not to Scale)

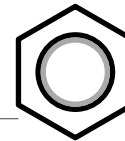
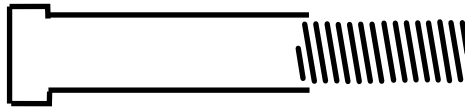


Install Slide Frame

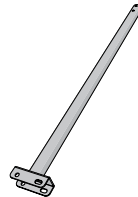


6

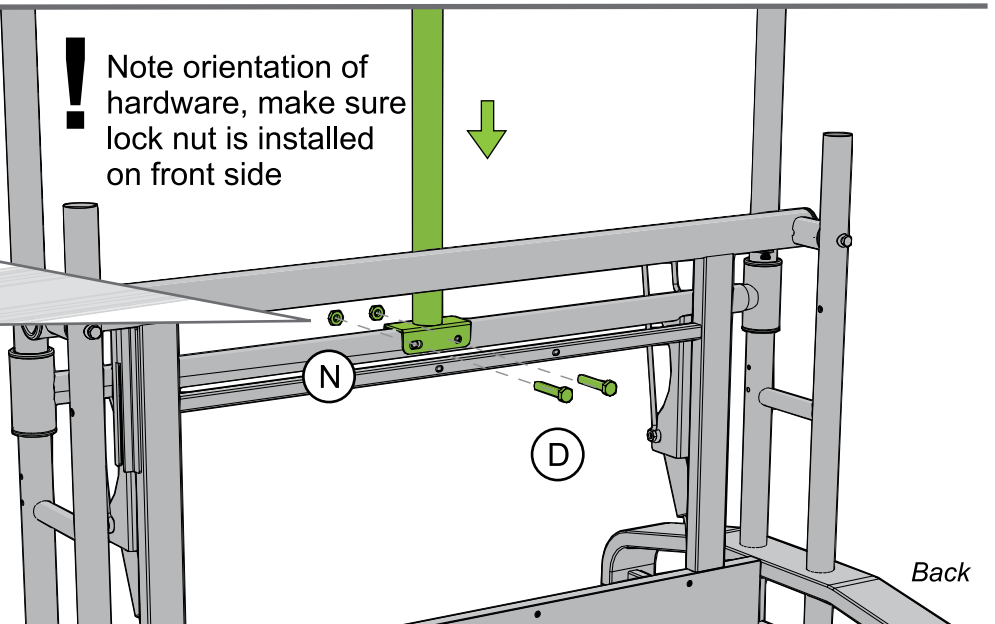
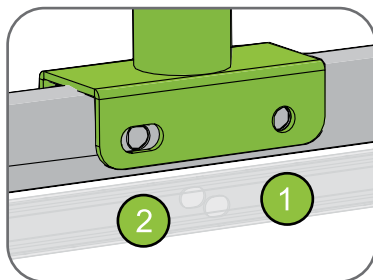
Actual Size:



You will need: (Not to Scale)



Install Center Slide Pole



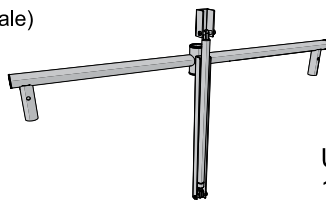
7

Actual Size:

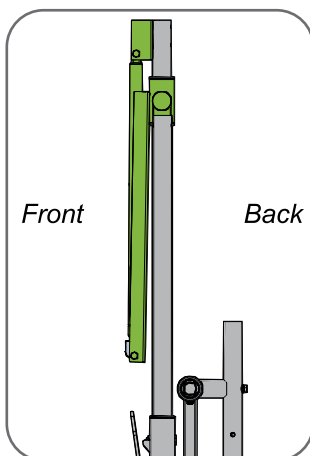


2-Person Task

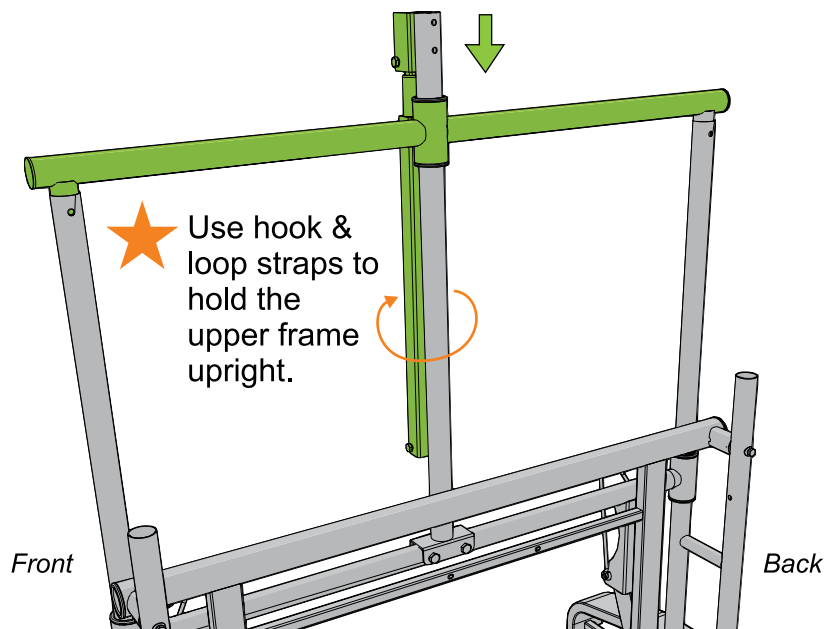
You will need: (Not to Scale)

Upper Frame Assembly
1x

Install Upper Frame

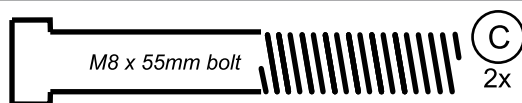
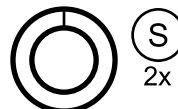
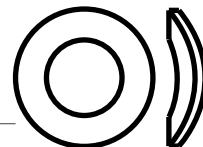


Watch orientation of shock

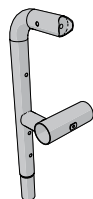
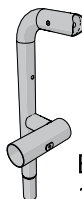


8

Actual Size:

C
2xS
2xV
2x

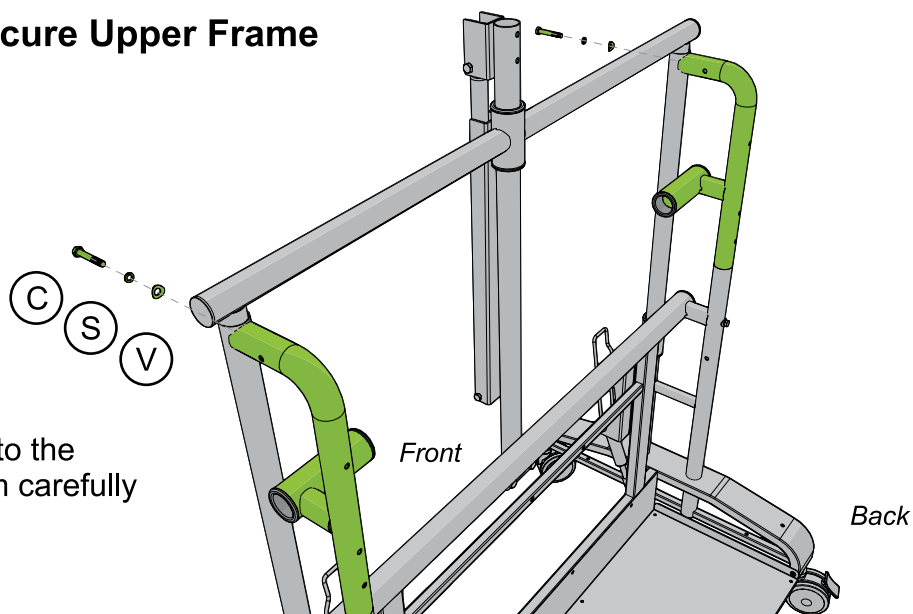
You will need: (Not to Scale)

Back Support Left
1xBack Support Right
1x

Install Back Supports & Secure Upper Frame

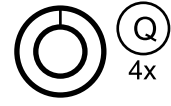
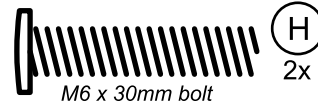
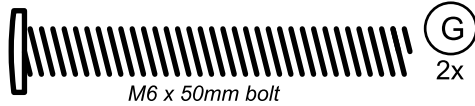


There is a Left and Right to the Back Support, watch them carefully

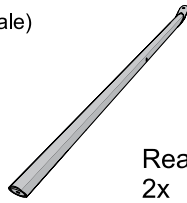


9

Actual Size:



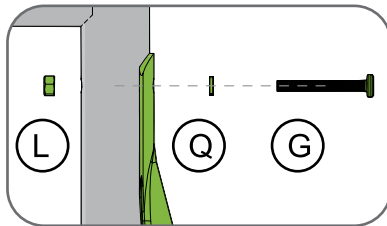
You will need: (Not to Scale)



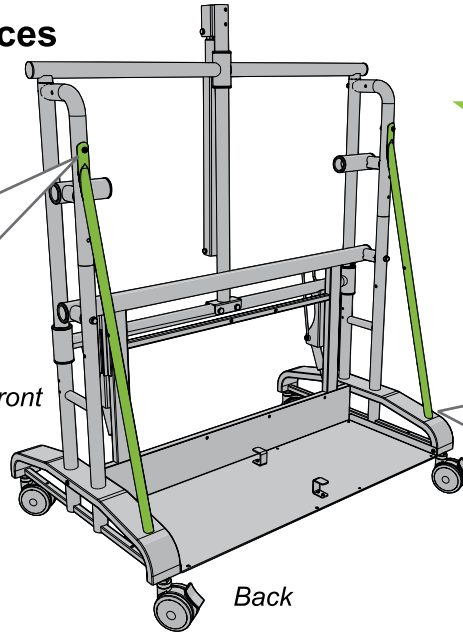
Rear Angled Brace
2x

2-Person Task

Install Angled Support Braces



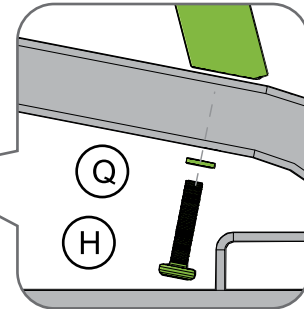
Front



Back

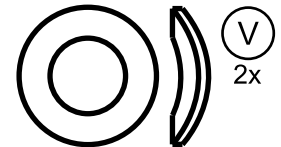
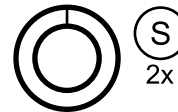


Secure bottom of brace first, for ease of assembly

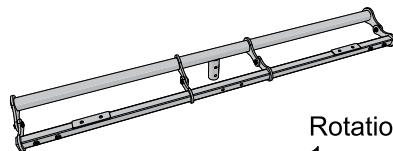


10

Actual Size:



You will need: (Not to Scale)

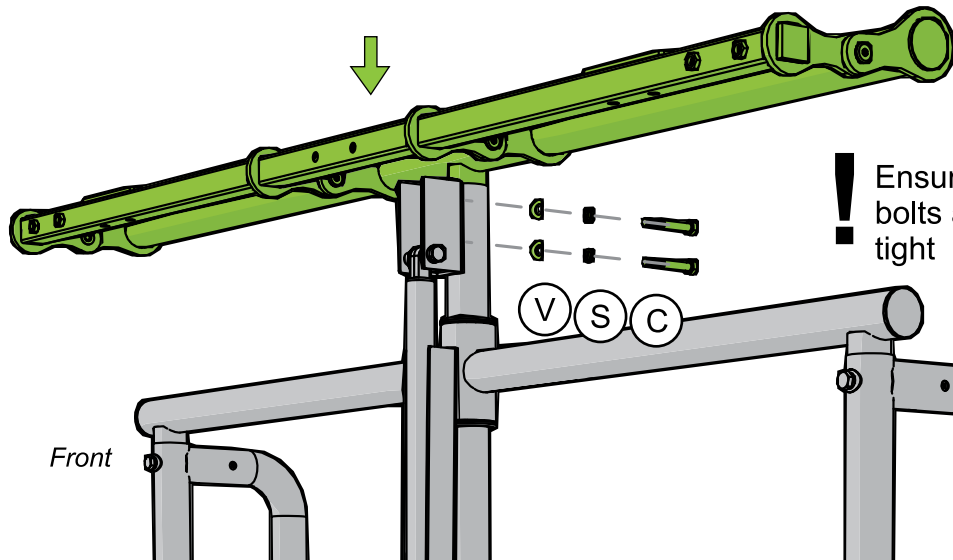
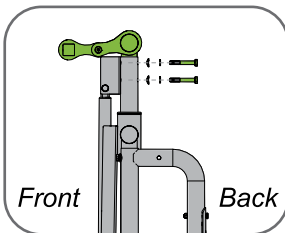


Rotation Bracket
1x

2-Person Task

Attach Rotation Bracket to Main Frame

! Note orientation of Rotation Bracket



Front

Back

! Ensure these bolts are very tight



11

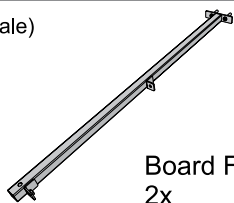
Actual Size:



(M)

M8 Lock Nut
4x

You will need: (Not to Scale)

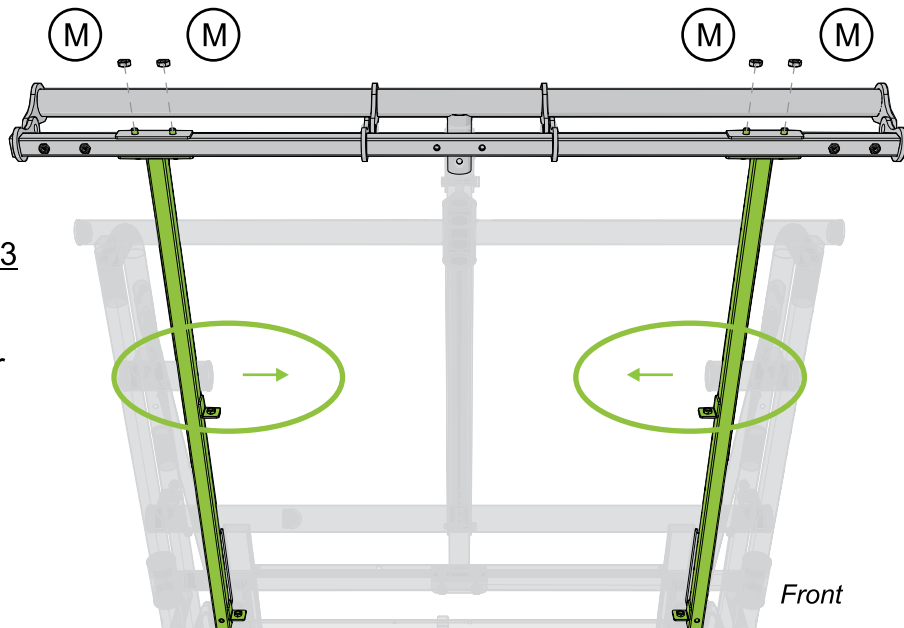


Board Frame Side
2x

Install Side of Board Mounting Frame

! Leave bolts loose for now,
tighten when you reach Step 13

! Make sure tabs face inward for
installing stretchers next



12

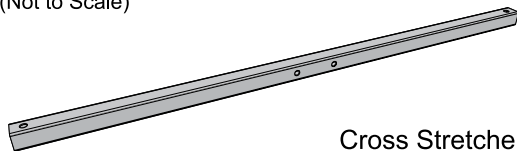
Actual Size:



(F)

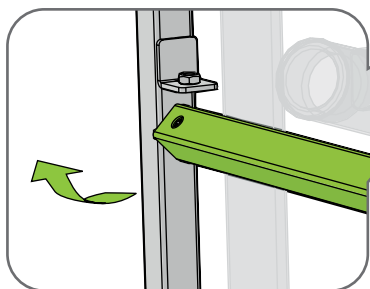
M8 x 35mm
4x

You will need: (Not to Scale)



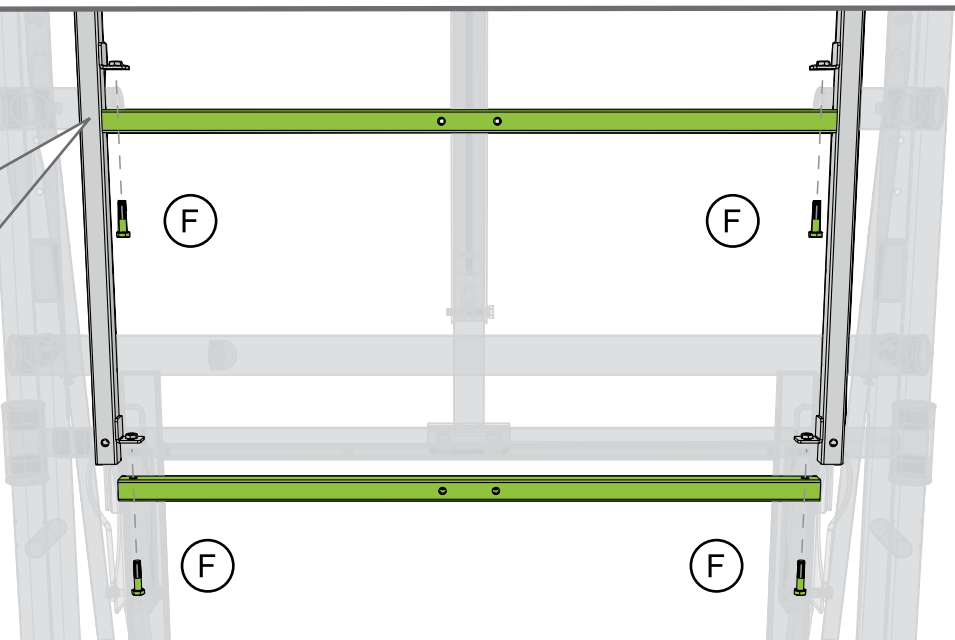
Cross Stretcher
2x

Attach Cross Stretchers



! If you have difficulty
installing the Cross Stretchers
try flipping them around

Front





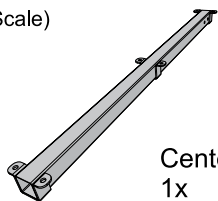
(F)

M8 x 35mm
6x

(M)

M8 Lock Nut
6x

You will need: (Not to Scale)

Center Support
1x

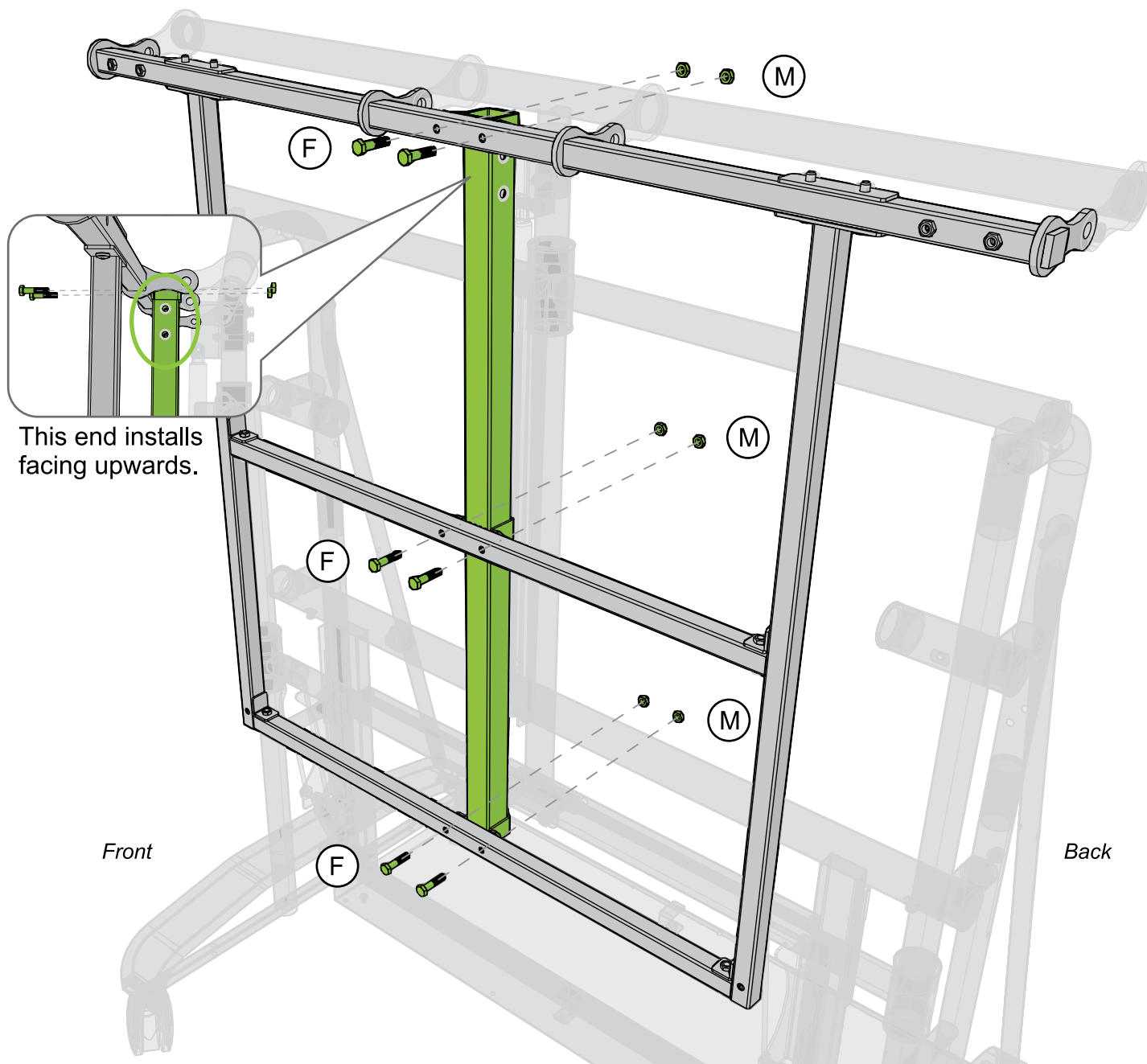
Install Center Support



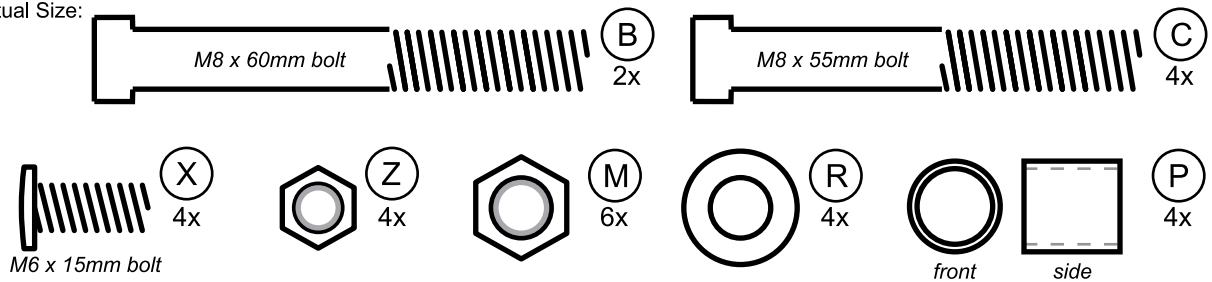
Watch orientation, make sure you
install behind the stretchers



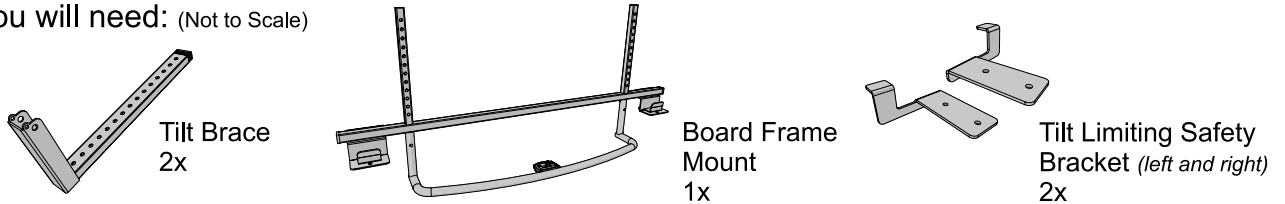
Install bolts & leave loose until all bolts are started.
Then tighten all bolts.



Actual Size:



You will need: (Not to Scale)

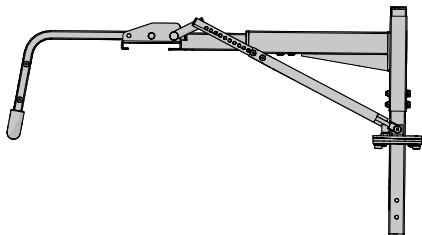


1 Determine Board Frame Mount Position



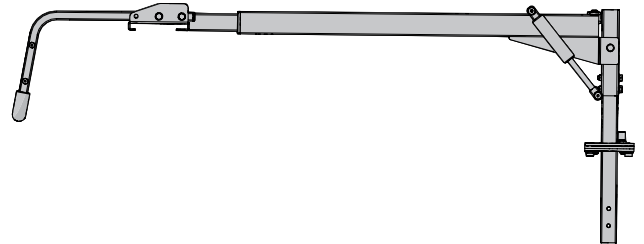
Before moving forward we need to know the following:

What **PROJECTOR** we are using,
What **BOARD** we are using.



(Ultra Short Throw Projector Arm)

OR

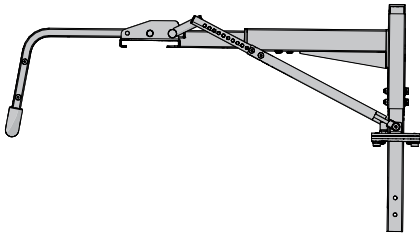


(Short Throw Projector Arm)

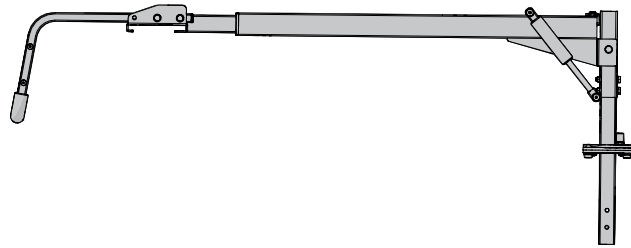
Once you know your projector & board combination turn to
the next page for setup details →



... continued



Ultra Short Throw Projector Arm



Short Throw Projector Arm

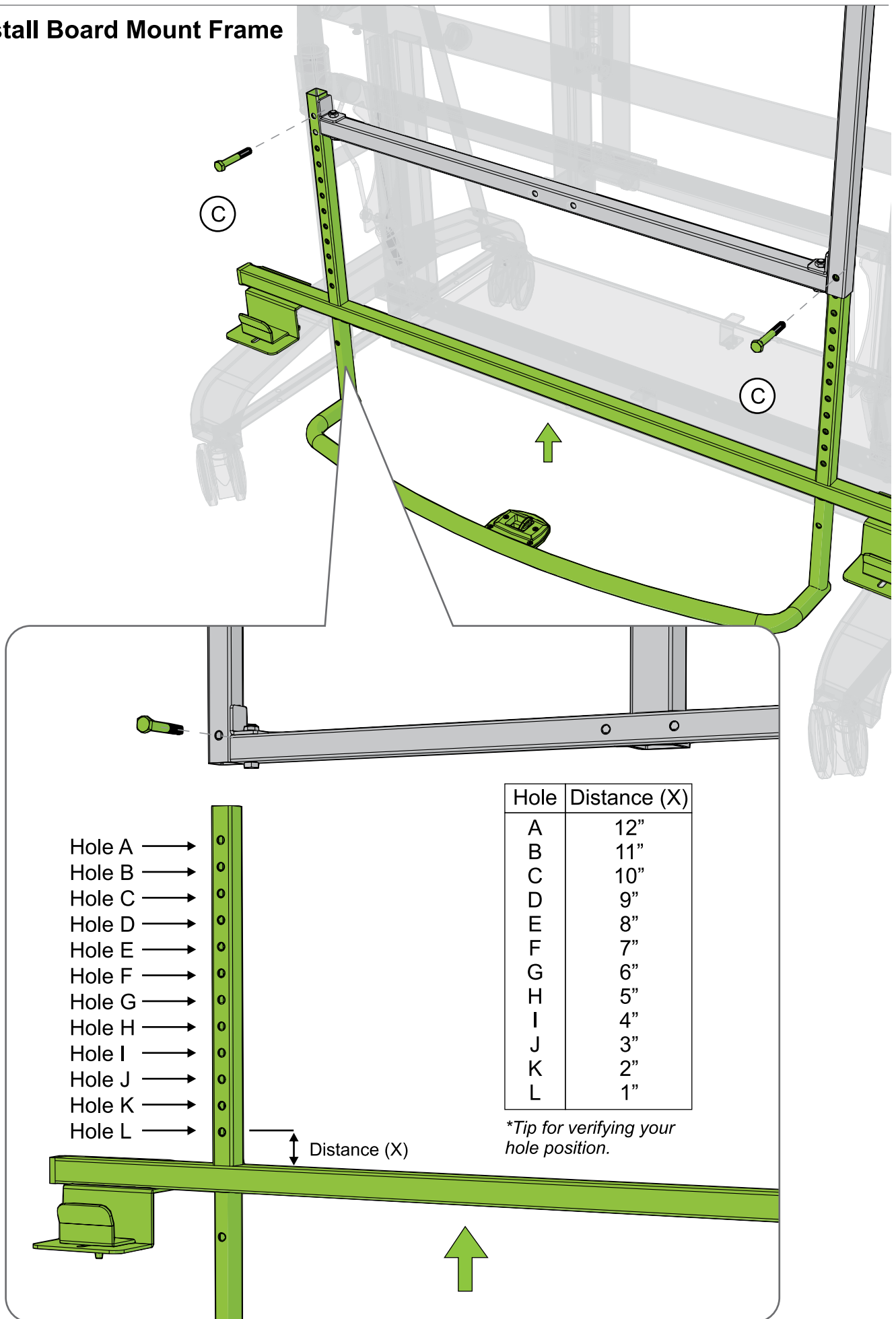
| Projector | Model | Board ("SB" = Smart) | Board Frame |
|-----------|-------------------------------|-------------------------|----------------|
| BenQ | MX850U-ST | SB 660 | i |
| | MX850U-ST | SB 680 | A |
| | MX850U-ST | SB 880 | A |
| | MX850U-ST | SBM 680 | A |
| | MX850U-ST | Promethean 378 | A |
| | MW851U-ST | SB 680 | A |
| | MW851U-ST | SB 880 | A |
| | MW851U-ST | SB 685 | A |
| | MW851U-ST | SB 885 | A |
| | MW851U-ST | SBM 685 | A |
| | MW843U-ST | SBM 685 | A |
| Epson | 470 / 480 / 570 / 580 | SB 660 | I |
| | 470 / 480 / 570 / 580 | SB 680 | A |
| | 470 / 480 / 570 / 580 | SB 880 | A |
| | 470 / 480 / 570 / 580 | SBM 680 | A |
| | 470 / 480 / 570 / 580 | Promethean 378 | A |
| | 470 / 480 / 570 / 580 | Promethean ABT 78 | A |
| | 470i / 480i | Copernicus 77" WB | C |
| | 475W / 485W / 575W / 585W | SB 660 | I |
| | 475W / 485W / 575W / 585W | SB 680 | A |
| | 475W / 485W / 575W / 585W | SBM 680 | A |
| | 475W / 485W / 575W / 585W | SB 685 | A |
| | 475W / 485W / 575W / 585W | SB 885 | A |
| | 475W / 485W / 575W / 585W | SBM 685 | A |
| | 475W / 485W / 575W / 585W | Promethean ABT 88 | A |
| | 475Wi / 485Wi / 575Wi / 585Wi | Copernicus 87" WB | C |
| | 475Wi / 485Wi / 575Wi / 585Wi | Egan 90" WB | B |
| | 475Wi / 485Wi / 575Wi / 585Wi | Copernicus 87" WB | C |
| Hitachi | CP-A220N | SB 660 | i |
| | CP-A220N | SB 680 | A |
| | CP-A220N | SB 880 | A |
| | CP-A220N | SBM 680 | A |
| | CP-A220N | Promethean 378 | A |
| | CP-A220N | Promethean ABT 78 | A |
| | CP-A301N | SB 660 | i |
| | CP-A301N | SB 680 | A |
| | CP-A301N | SB 880 | A |
| | CP-A301N | Promethean 378 | A |
| | CP-AW252N | SB 685 | A |
| | CP-AW252N | SB 885 | A |
| | CP-AW252N | SBM 685 | A |
| | CP-AX2503/CP-AX3503 | SB 680 | A |
| | CP-AX2503/CP-AX3503 | SBM 680 | A |
| | CP-AX2503/CP-AX3503 | Promethean ABT 78 | A |
| | CP-AW2503 | SB 685 | A |
| NEC | UM330X | SB 660 | i |
| | UM330X | SB 680 | A |
| | UM330X | SBM 680 | A |
| | UM330X | SB 880 | A |
| | UM330X | Promethean 378 | A |
| | UM330W | SB 685 | A |
| | UM330W | SBM 685 | A |
| | UM330W | SB 885 | A |
| | UM330W | MimioBoard ME-87 | B |
| | UM330W | SBM 680 | A |
| Smart | UF75W | SB 680 | A |
| | UF75W | SB 880 | A |
| | UF75W | SBM 680 | A |
| | UF75W | SB 685 | A |
| | UF75W | SB 885 | A |
| | UF75W | SBM 685 | A |
| | LightRaise 40Wi | Copernicus 77" WB | C |
| | LightRaise 40Wi | Copernicus 87" WB | C |
| | UF70W | SB 685 | A |
| | UF70W | SB 885 | A |
| | UF70W | SBM 685 | A |
| | UF70 | SB 680 | A |
| | UF70 | SB 880 | A |
| | UF70 | SBM 680 | A |
| | U100 | SBM 680 | A |

| Projector | Model | Board ("SB" = Smart) | Board Frame |
|------------|-----------|-------------------------|----------------|
| BenQ | MX816ST | SB 660 | L |
| | MX816ST | SB 680 | C |
| | MX816ST | SB 880 | B |
| | MX816ST | SBM 680 | C |
| | MX816ST | Promethean 378 | B |
| | MW817ST | SB 685 | E |
| | MW817ST | SB 885 | D |
| | MW824ST | SB 685 | E |
| | MW824ST | SB 885 | D |
| | MW824ST | SBM 685 | E |
| Epson | 420 | SB 660 | J |
| | 420 | SB 680 | D |
| | 420 | SB 880 | C |
| | 420 | SBM 680 | D |
| | 420 | Promethean 378 | C |
| | 435W | SB 660 | J |
| | 435W | SB 680 | C |
| | 435W | SB 685 | C |
| | 435W | SB 885 | B |
| | 435W | SBM 685 | C |
| Mitsubishi | EW331U-ST | SB 660 | L |
| | EW331U-ST | SB 680 | E |
| | EW331U-ST | SB 880 | D |
| | EW331U-ST | Promethean 378 | D |
| | EW331U-ST | SB 685 | E |
| | EW331U-ST | SB 885 | D |
| NEC | M300XS | SB 660 | L |
| | M300XS | SB 680 | E |
| | M300XS | SB 880 | D |
| | M300XS | SBM 680 | E |
| | M300XS | Promethean 378 | D |
| | M300WS | SB 685 | B |
| | M300WS | SBM 685 | B |
| | M300WS | SB 885 | A |
| | M332XS | SBM 680 | C |
| | M352WS | SBM 685 | C |
| Optoma | M352WS | Promethean ABT 88 | B |
| | W306ST | SB 680 | B |
| | W306ST | SB 880 | A |
| | W306ST | SBM 680 | A |
| | W306ST | Promethean 378 | A |
| | W306ST | SB 685 | A |
| | W306ST | SB 885 | A |
| | W306ST | SBM 685 | A |
| | W306ST | SBM 685 | E |
| | W316ST | SBM 685 | E |

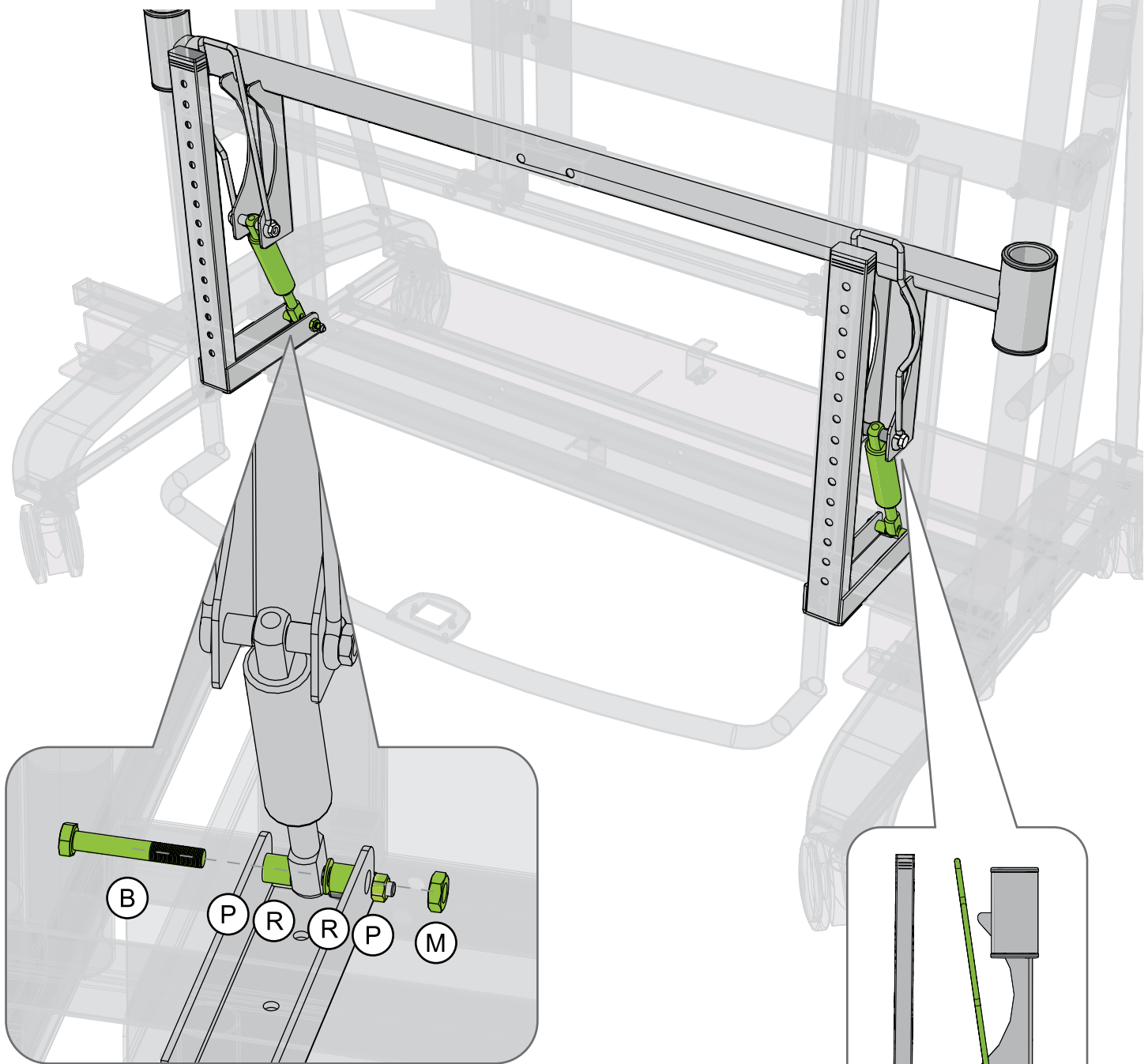
Don't see your projector & board combination here?
Check P.71 for a complete list of projectors.



2 Install Board Mount Frame



3 Secure Cylinders in Place

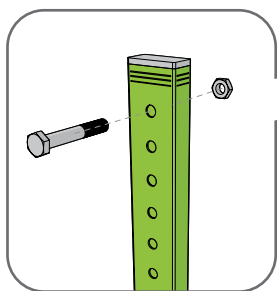


! Tighten bolts

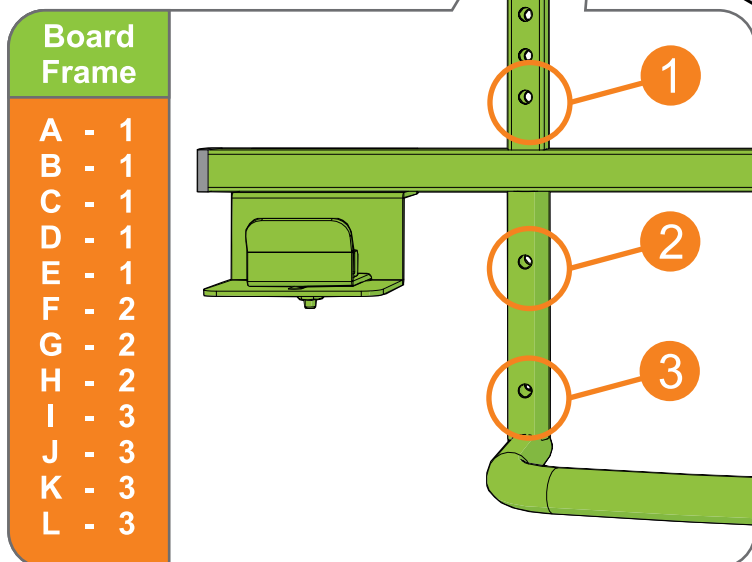
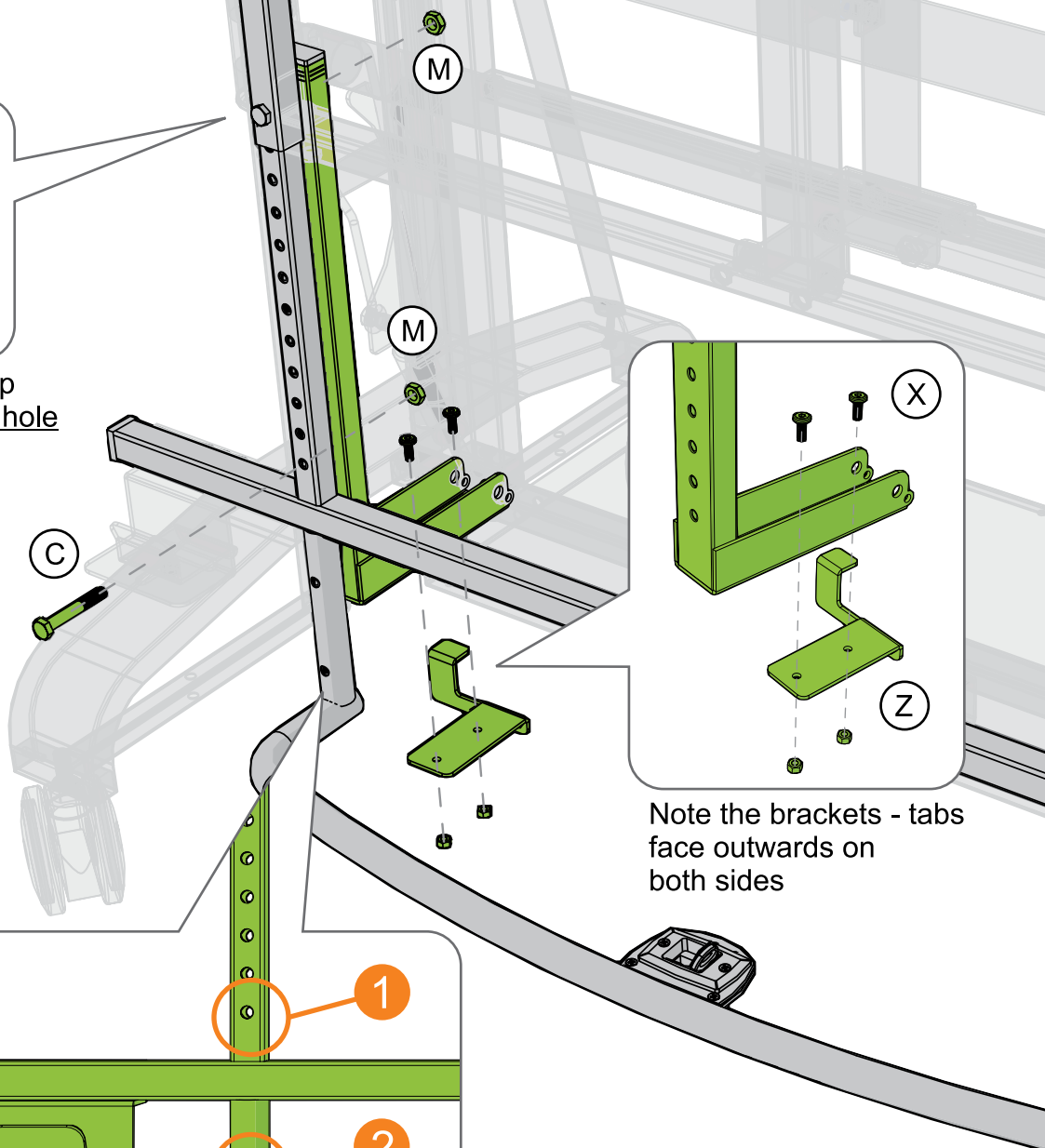
! Make sure fold down
braces are folded up
upon assembly



4 Attach Tilt Braces



Always install top bolt through top hole



Pay attention to which hole to use! This will affect your ability to tilt the unit



15

Actual Size:

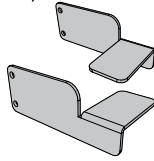


(G)
M6 x 50mm
4x



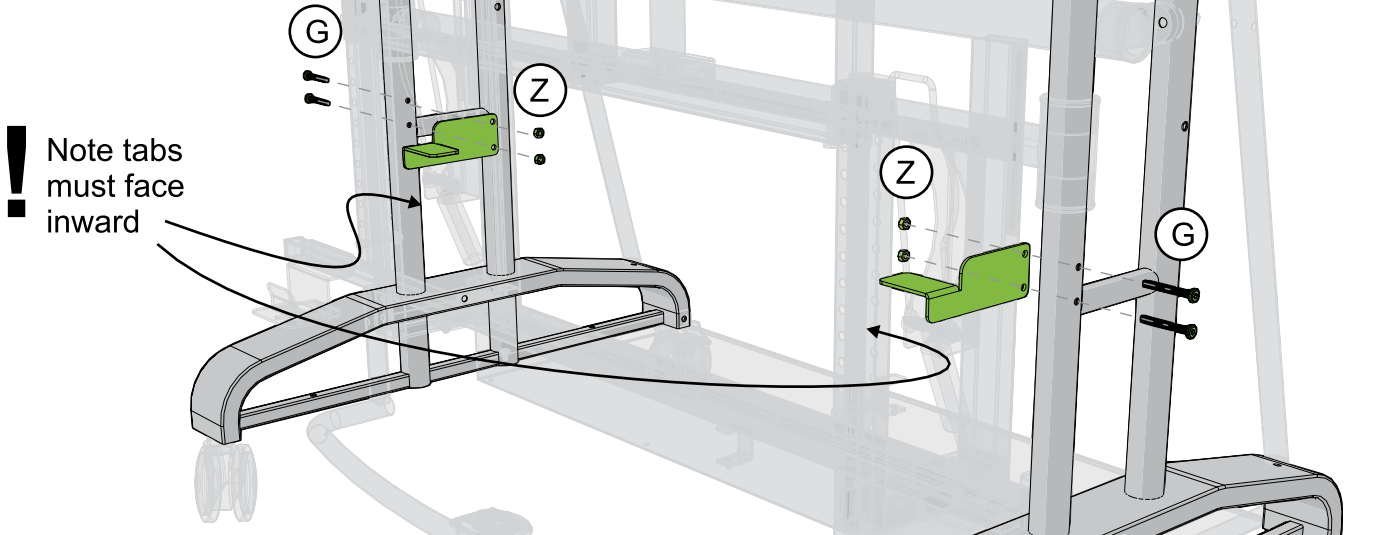
(Z)
M6 Lock Nut
4x

You will need: (Not to Scale)



Height Limiting Safety
Bracket (left and right)
2x

Install Height Limiting Safety Bracket



16

Actual Size:

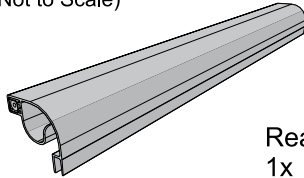


(G)
M6 x 50mm
2x



(Q)
M6 Lock Washer
2x

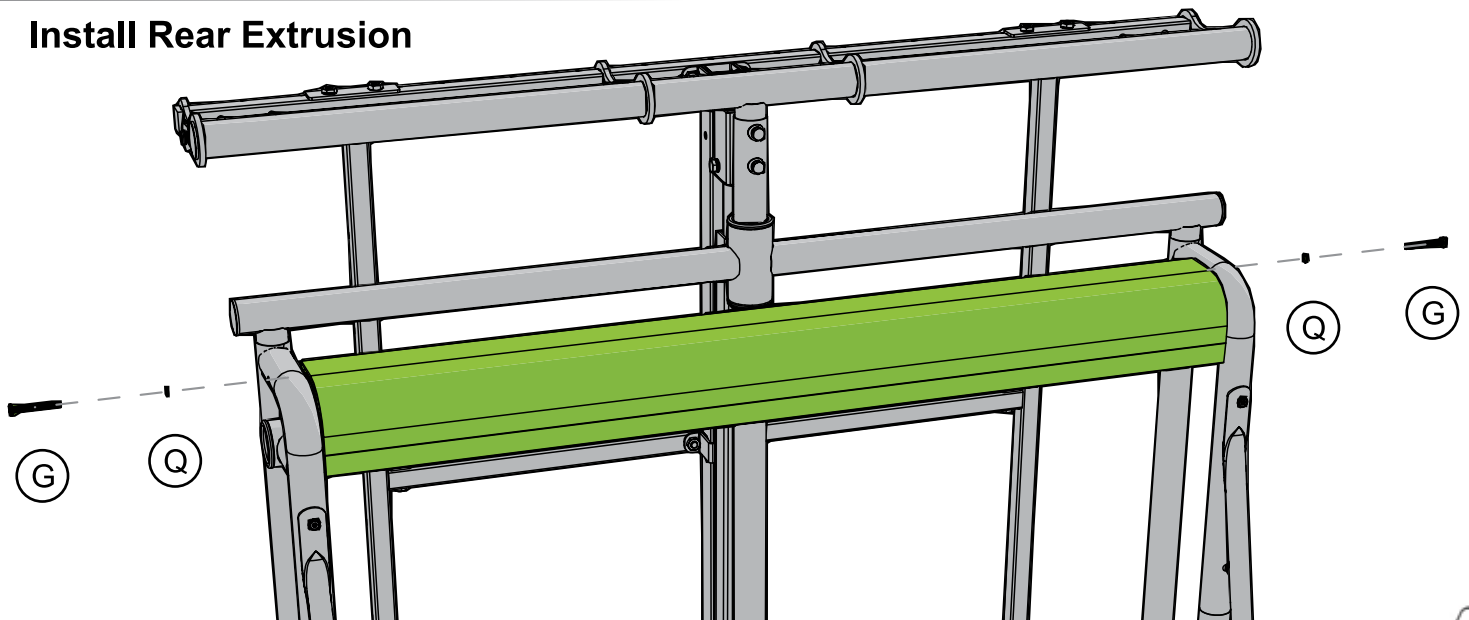
You will need: (Not to Scale)



Rear Extrusion
1x



Install Rear Extrusion

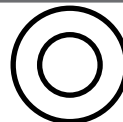


17

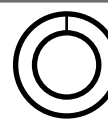
Actual Size:



LL
2x

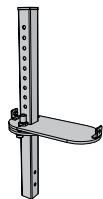


R
2x



S
2x

You will need: (Not to Scale)

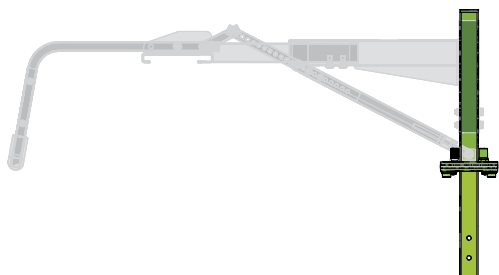


Ultra Short Throw
Projector Arm Post
1x



Short Throw
Projector Arm Post
1x

Select Your Projector Arm Post



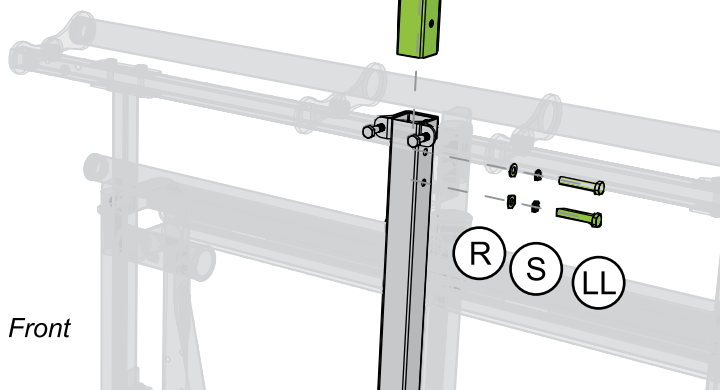
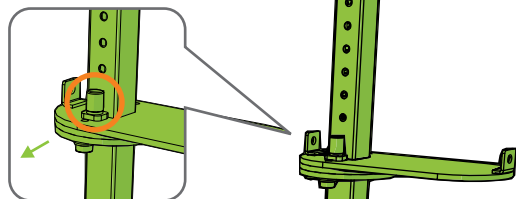
Ultra Short Throw Projector Arm



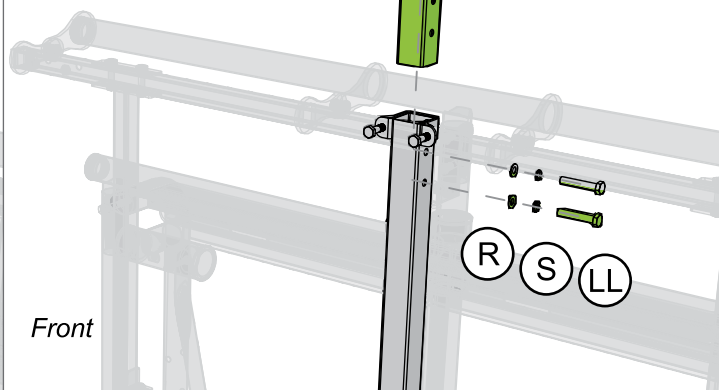
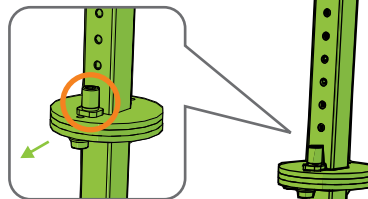
Short Throw Projector Arm

OR

! Note the ball
plunger faces
front of unit



! Note the ball
plunger faces
front of unit



18

Actual Size:



M6 x 40mm bolt
2x



M6 Lock Washer
2x

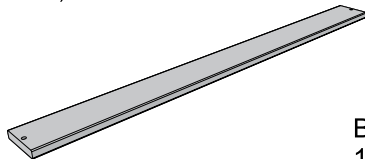


M6 Barrel Nut
2x

You will need: (Not to Scale)



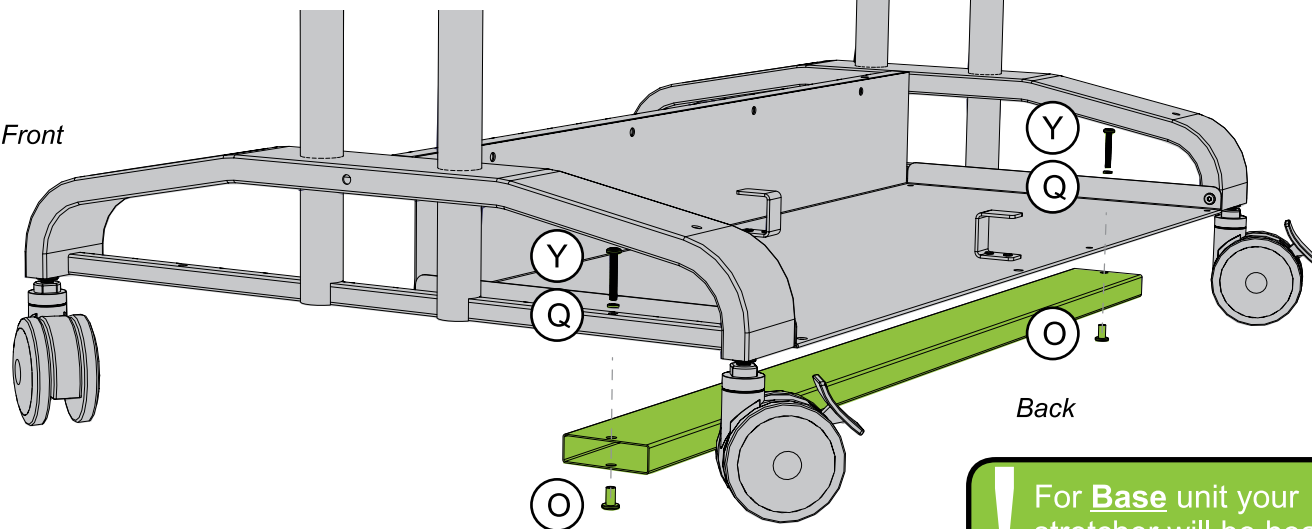
2-Person Task



Bottom Shelf Stretcher
1x

Install Bottom Shelf Stretcher Under Shelf

Front



Back

! For **Base** unit your
stretcher will be heavier

19

Actual Size:



M6 x 30mm
8x

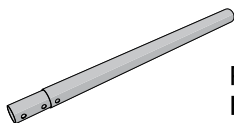


M6 Lock Washer
8x

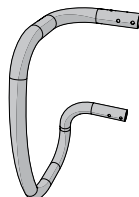


M6 Barrel Nut
8x

You will need: (Not to Scale)



Protective
Handle Extensions
4x



Protective
Handle Left
1x

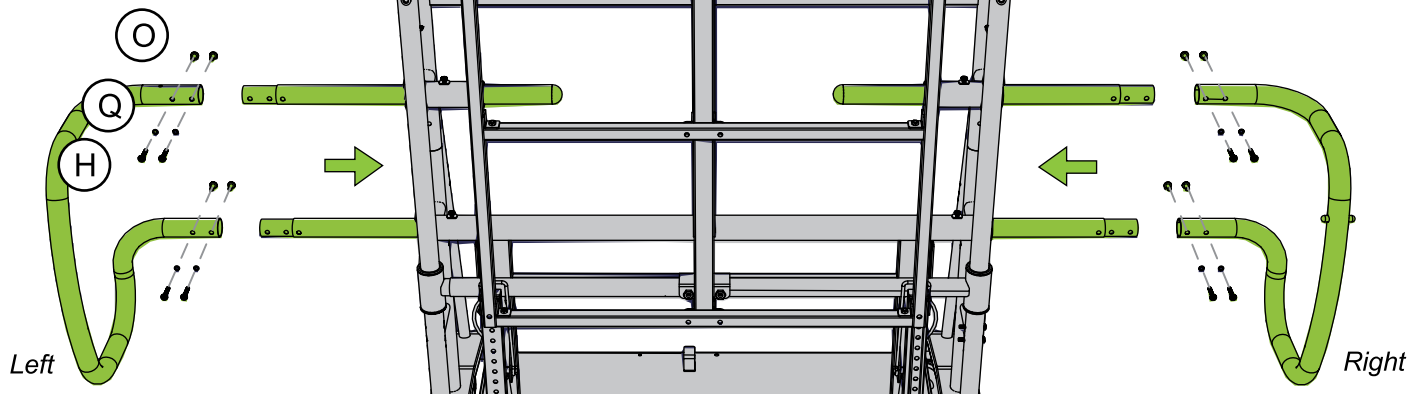


Protective
Handle Right
1x

Install Protective Handles



Do not bolt the
Protective Handles
in place, leave
them loose

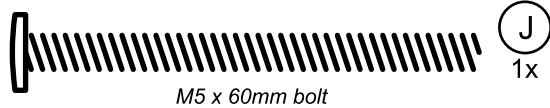


Left

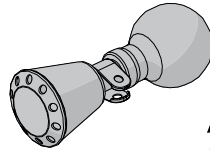
Right

20

Actual Size:



You will need: (Not to Scale)

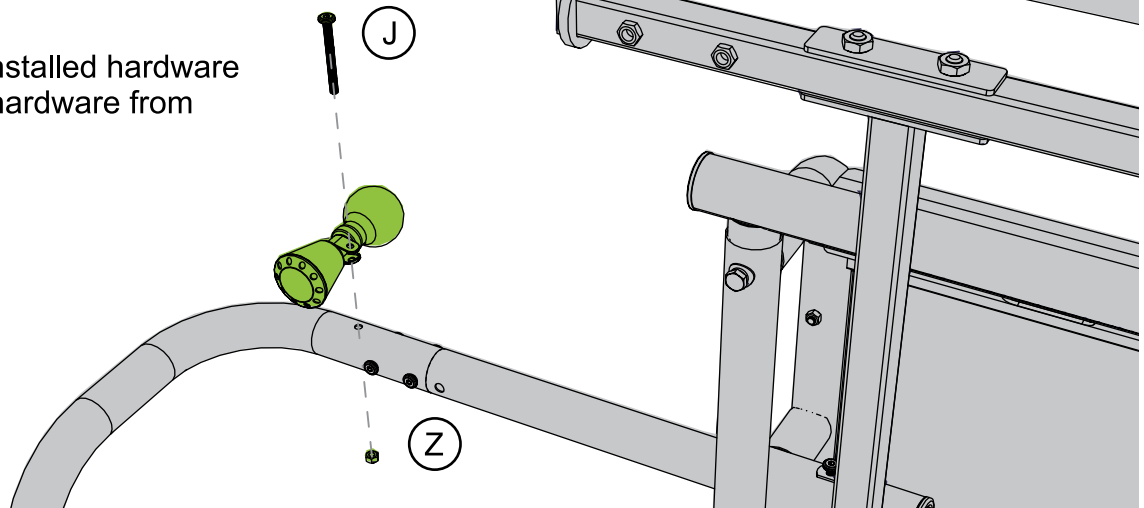


Attention Horn
1x

Attach Attention Horn Optional

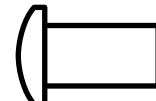


Replace installed hardware
with new hardware from
this step

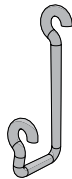


21

Actual Size:



You will need: (Not to Scale)

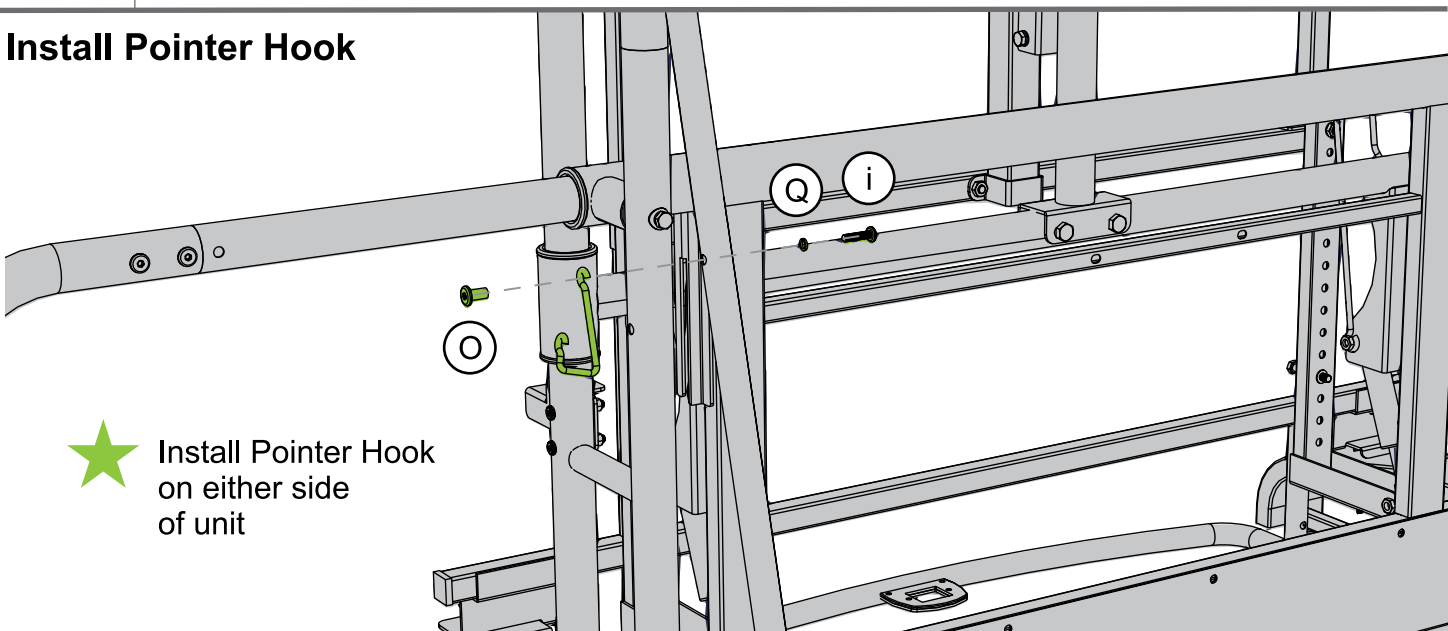


Pointer Hook
1x

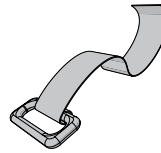
Install Pointer Hook



Install Pointer Hook
on either side
of unit



VGA Cable
1x



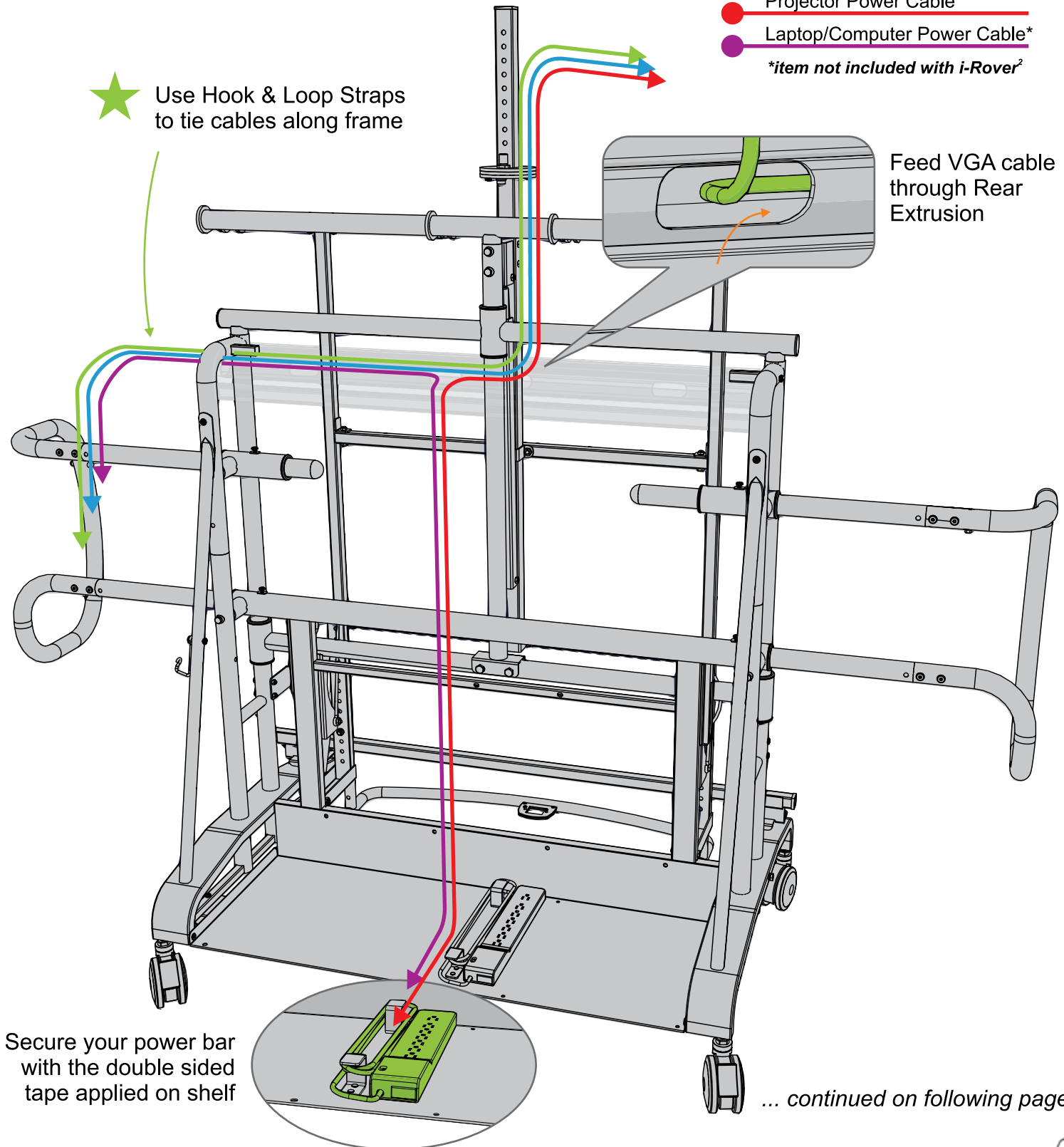
Hook & Loop Straps
(taken from your packaging in this box)
12x

1 Route wires & attach power bar

- VGA Cable
 - USB Cable* (if applicable)
 - Projector Power Cable*
 - Laptop/Computer Power Cable*
- *item not included with i-Rover²*

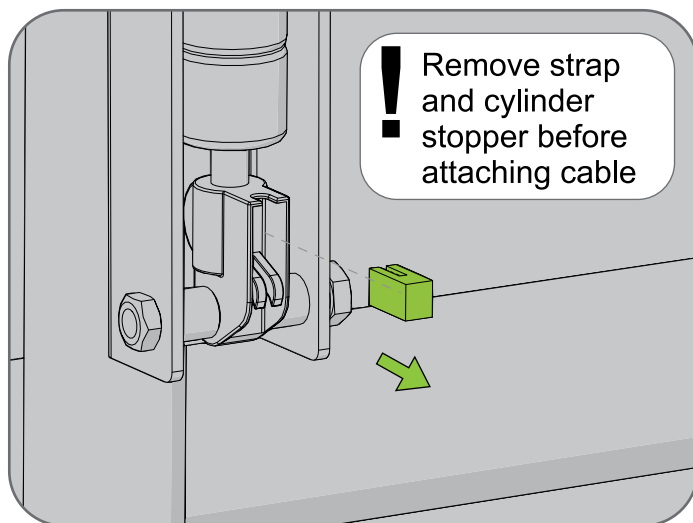
★ Use Hook & Loop Straps to tie cables along frame

Feed VGA cable through Rear Extrusion

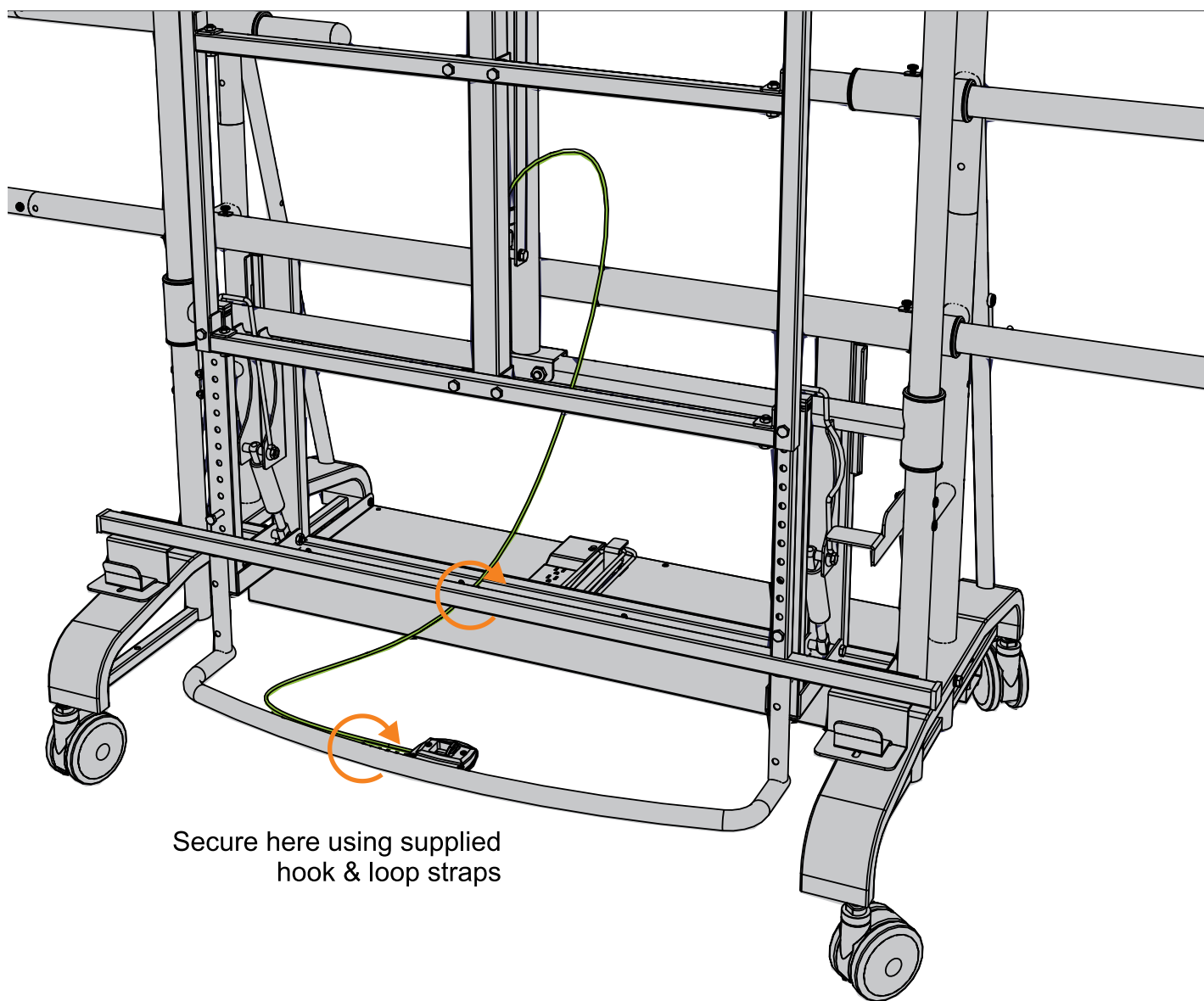
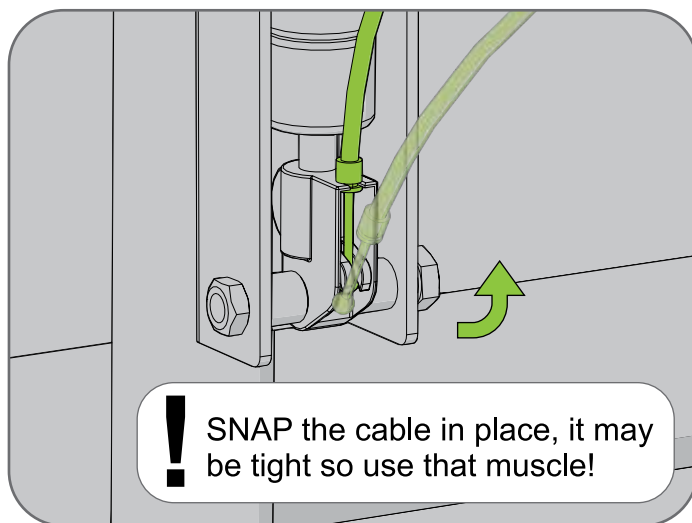


2 Hook up height Adjustment

1) Attach bottom end of cable first



2) Lift cable and snap the top end into place



**! Skip to Step 24 if you are installing an Egan or Copernicus Whiteboard.
For all other boards continue here.**

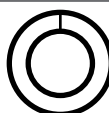
23

Actual Size:



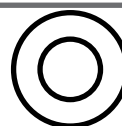
(E)

M8 x 40mm
4x



(S)

M8 Lock Washer
4x



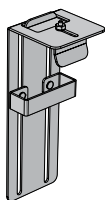
(R)

M8 Washer
4x



2-Person Task

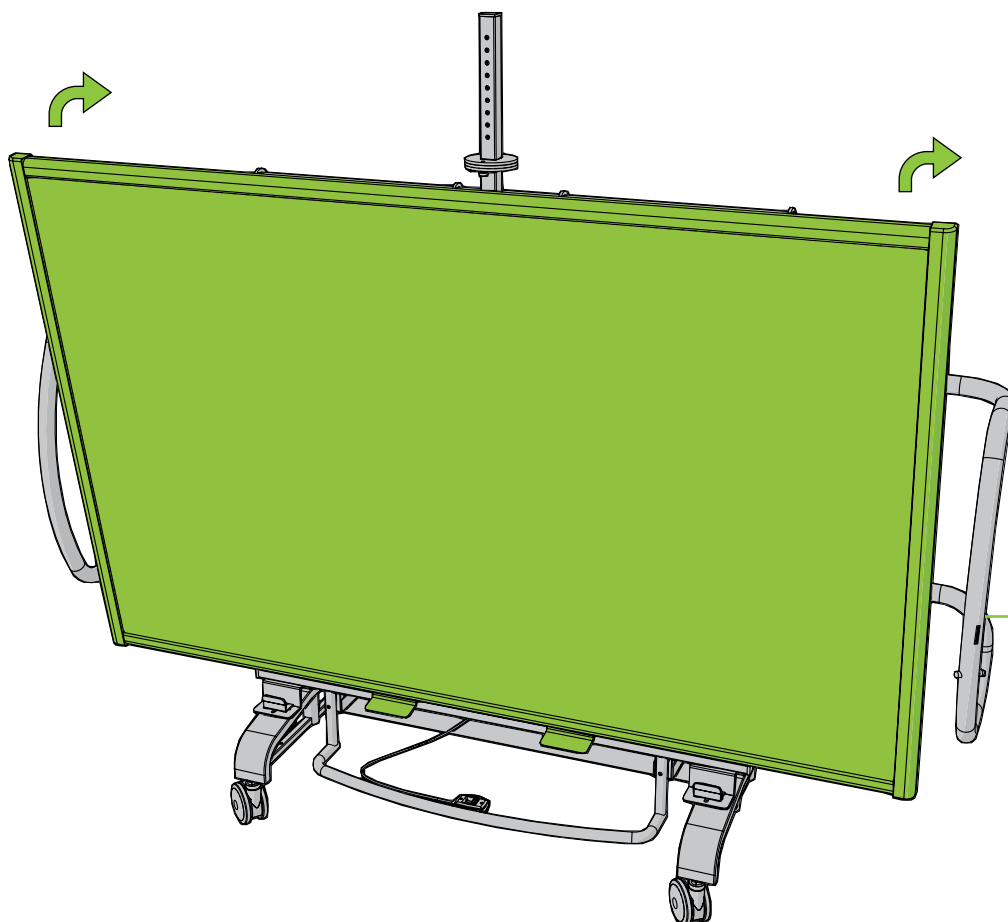
You will need: (Not to Scale)



Board Clamp
2x

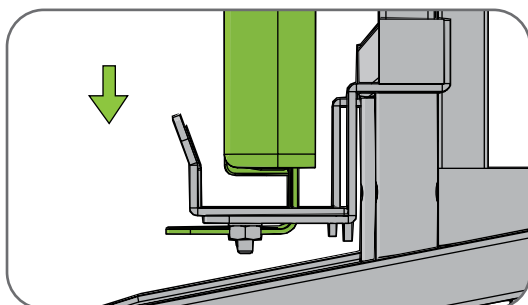
1 Attach board to unit

Shown with Smartboard 680



! You may need to slide your Protective Handles outward to fit around board

! If Protective Handles do not slide, see Step 32 on how to loosen

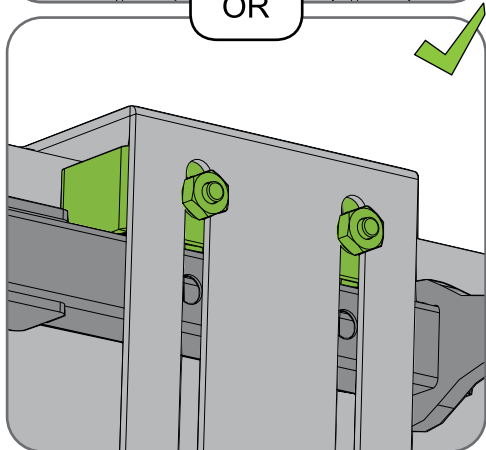
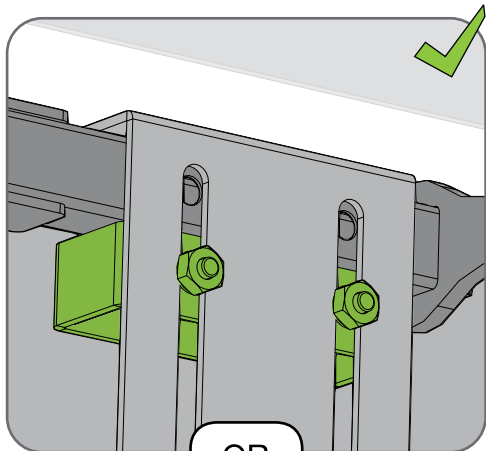


Set board into bottom board clamps.

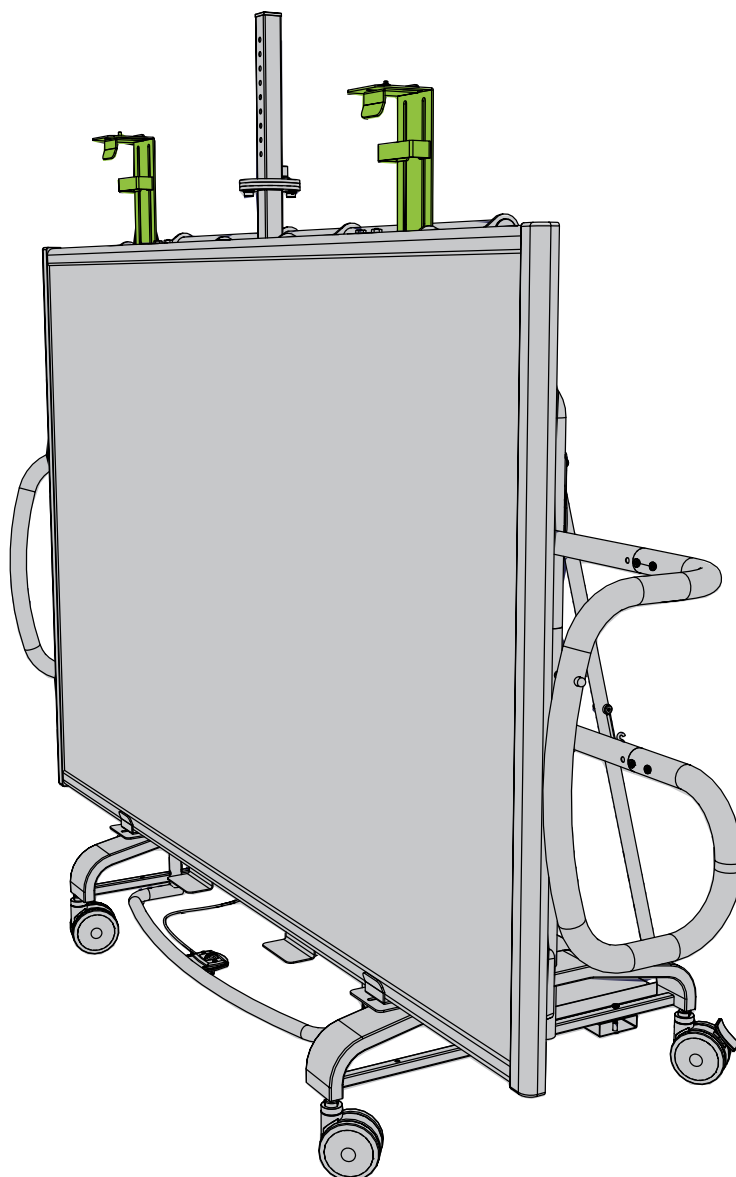
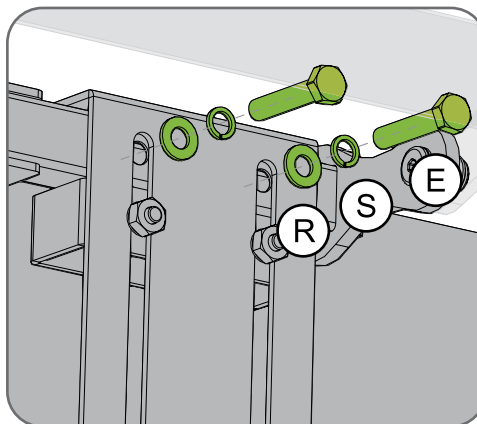
... continued on following page

2 Attach Top Board Clamp Assembly and secure board support

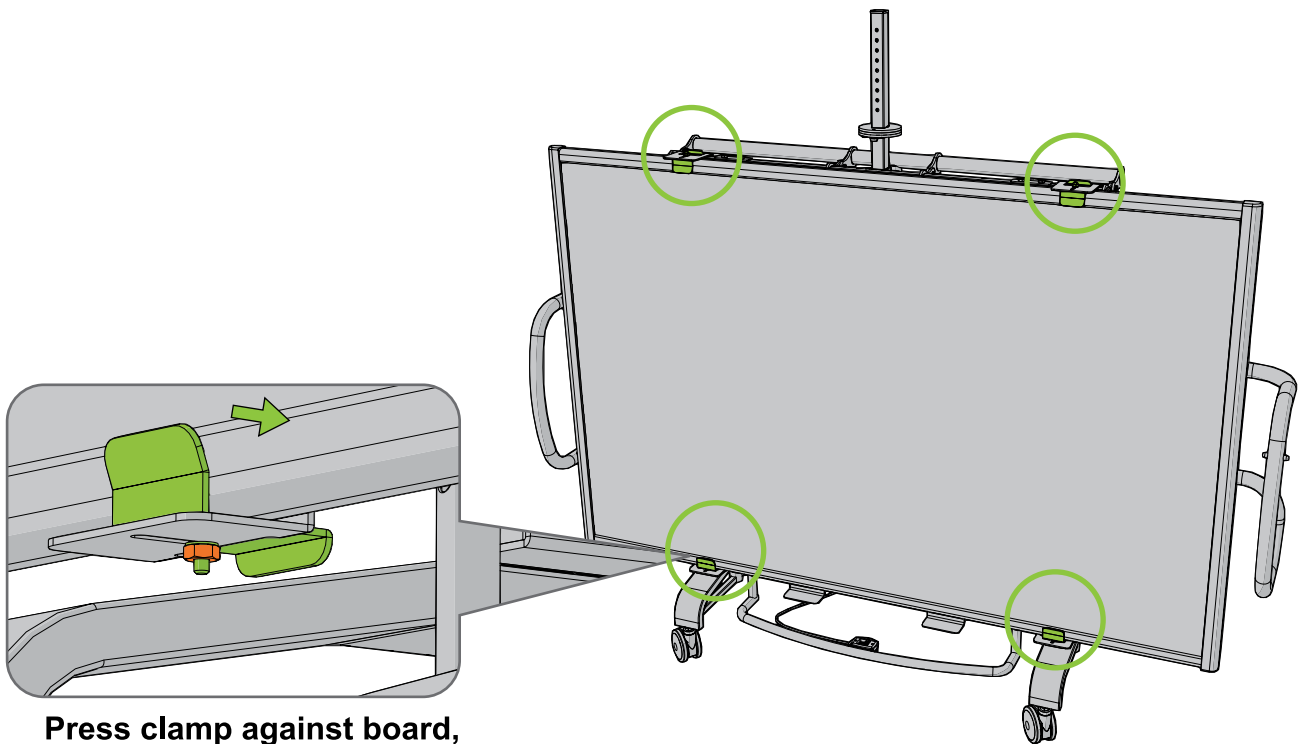
1) Slide the board support bracket as high as you can and tighten



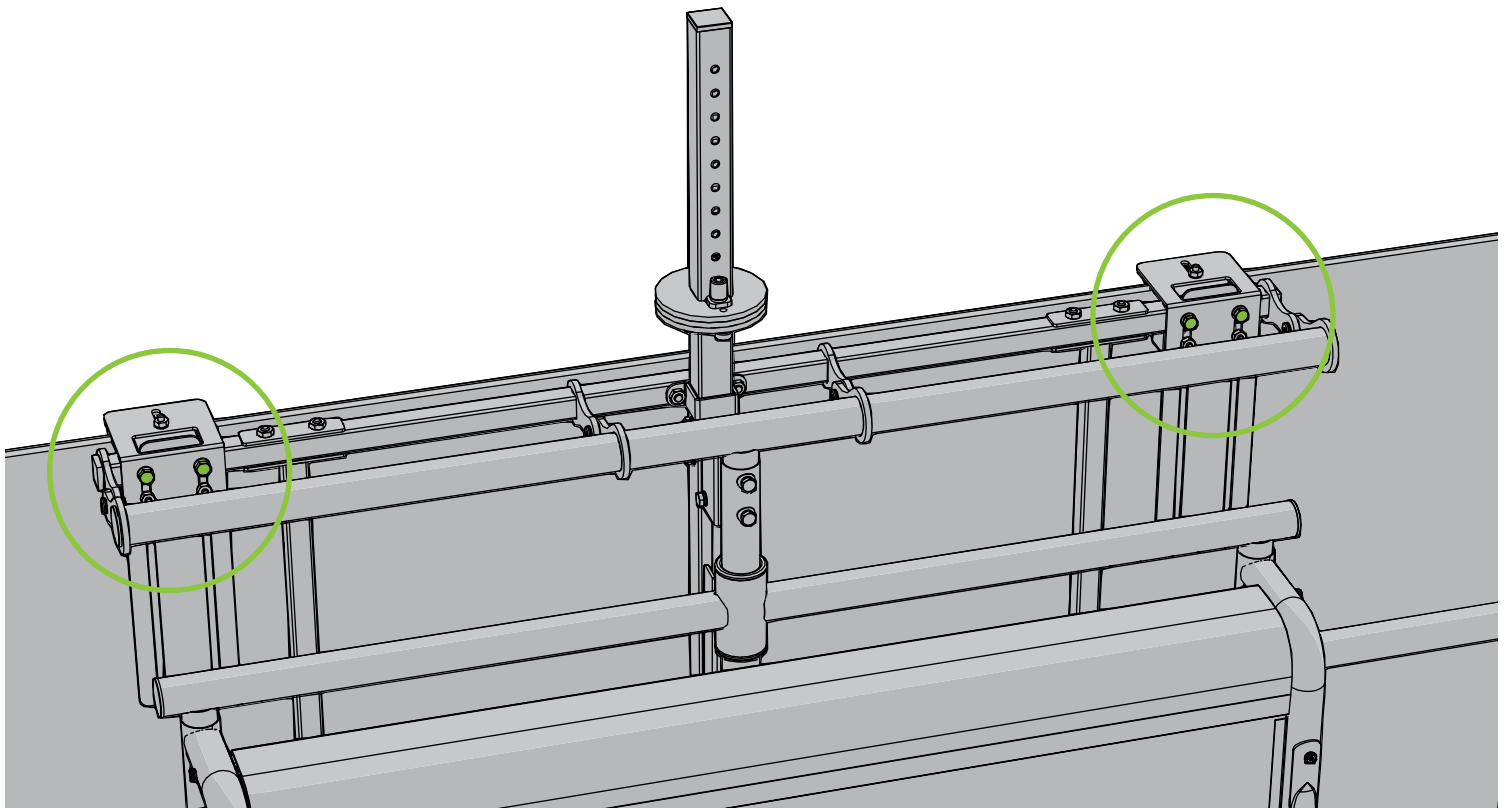
2) Do not tighten bolt "E" until after next step, this will make the following step easier



3 Tighten all clamps so they pull securely on board



4 Tighten Board Clamp Assembly bolts

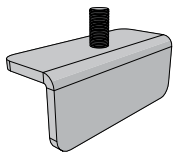


NOTE: only do this step if you are installing an Egan or Copernicus Whiteboard.



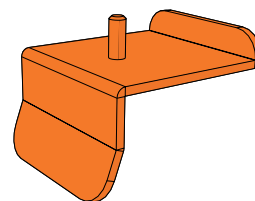
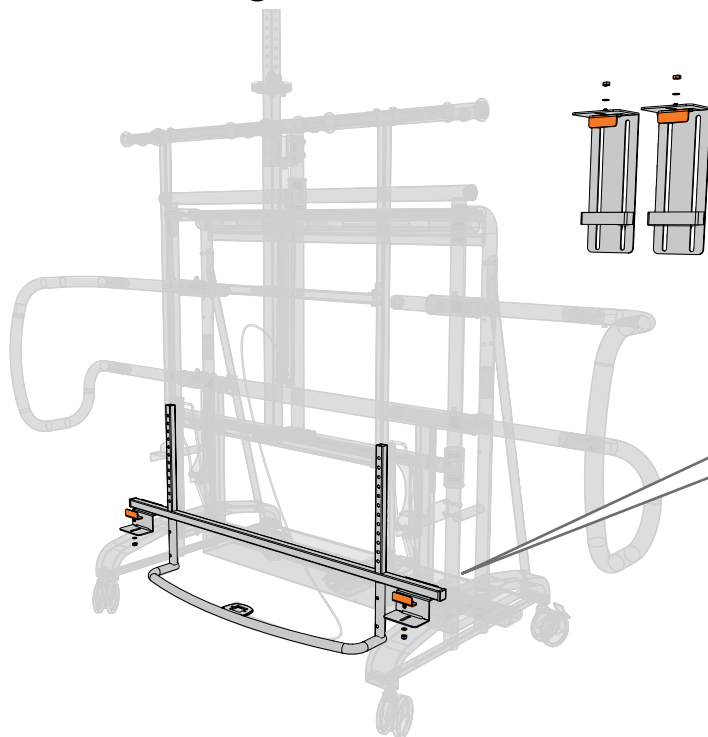
2-Person Task

You will need: (Not to Scale)



Whiteboard Bracket
4x

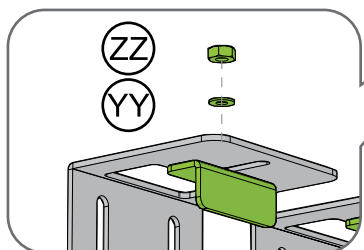
1 Remove existing brackets



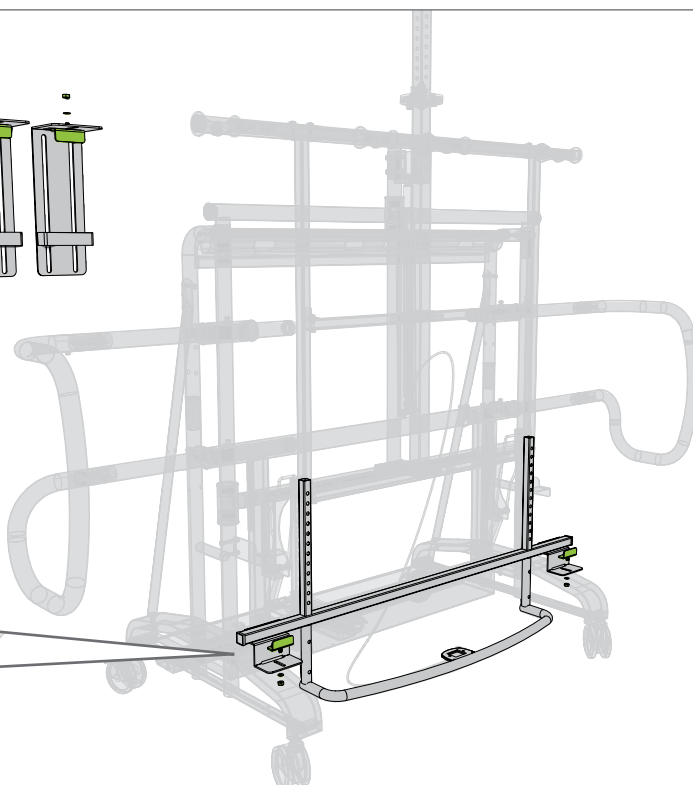
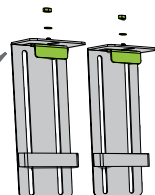
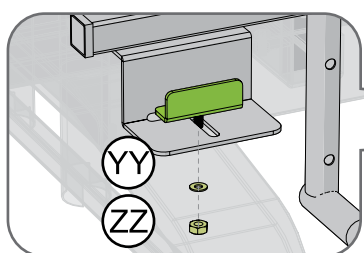
x4

If your unit has these brackets pre-installed please remove them.

2 Install new Whiteboard Brackets



Note orientation of
Whiteboard Bracket

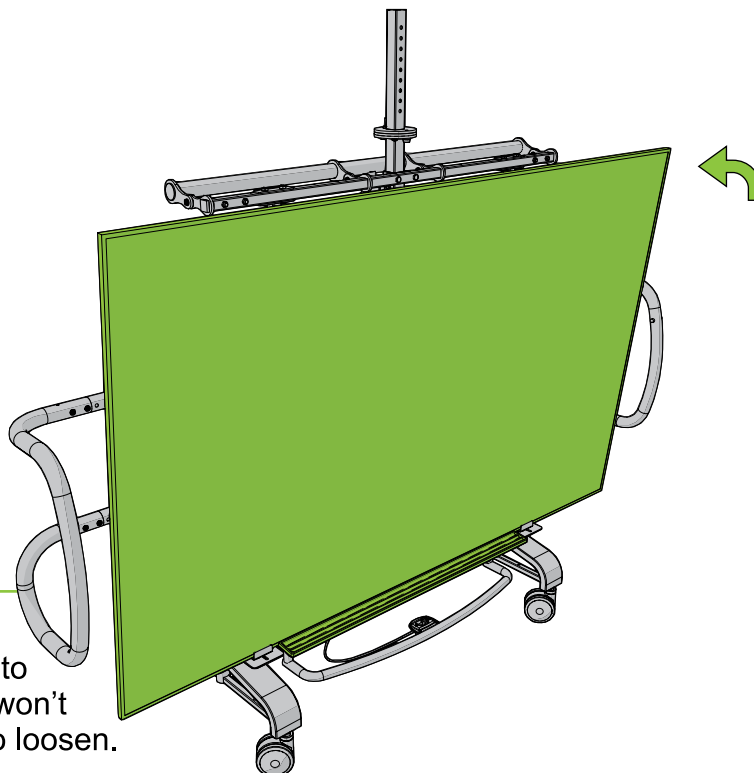
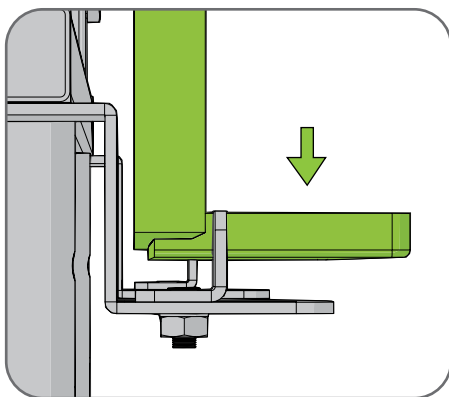


3 Attach board to cart



Don't forget to check out our tips for your whiteboard at:

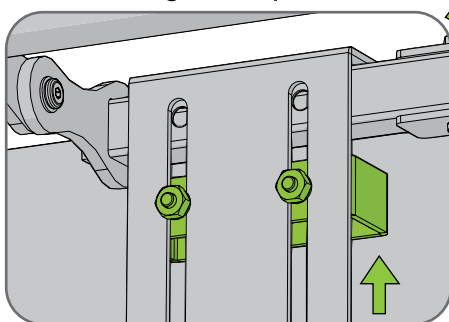
www.copernicused.com



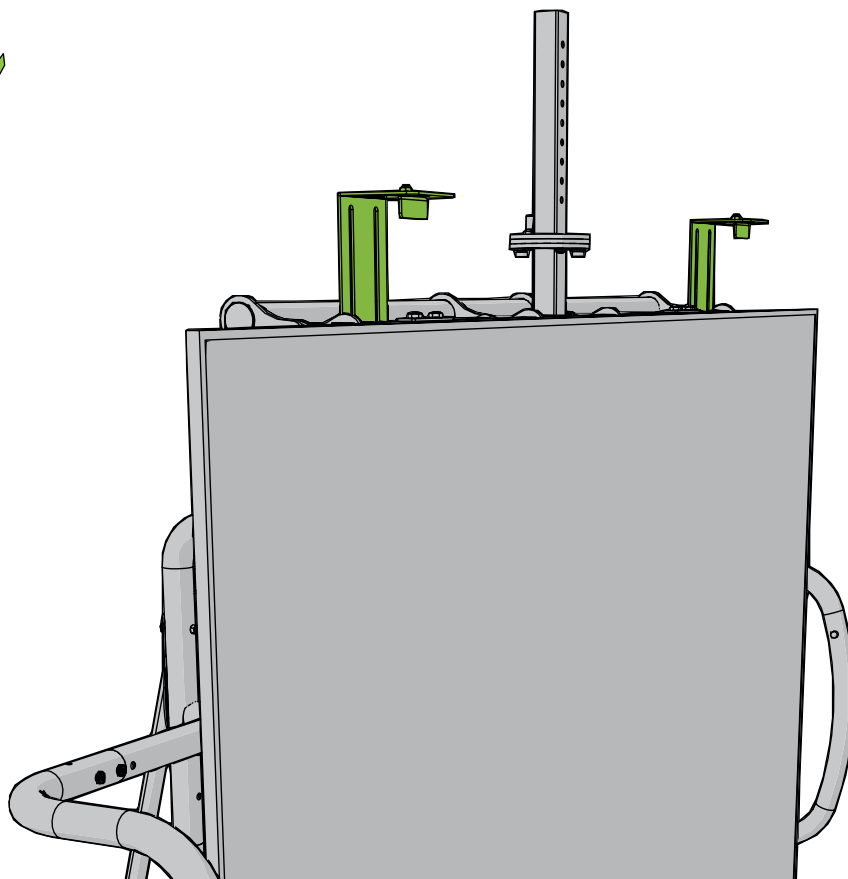
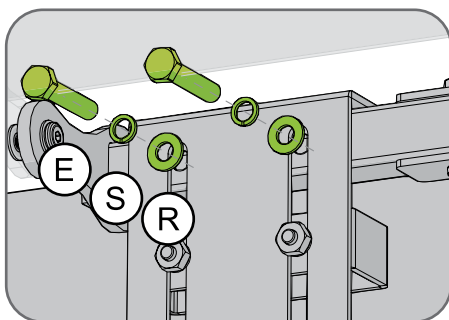
You may need to slide your Protective Handles outward to fit around the board. If they won't move see Step 33 on how to loosen.

4 Attach Top Board Clamp Assembly

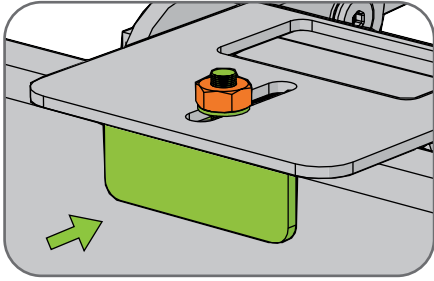
A) Slide the board support shown in green upward.



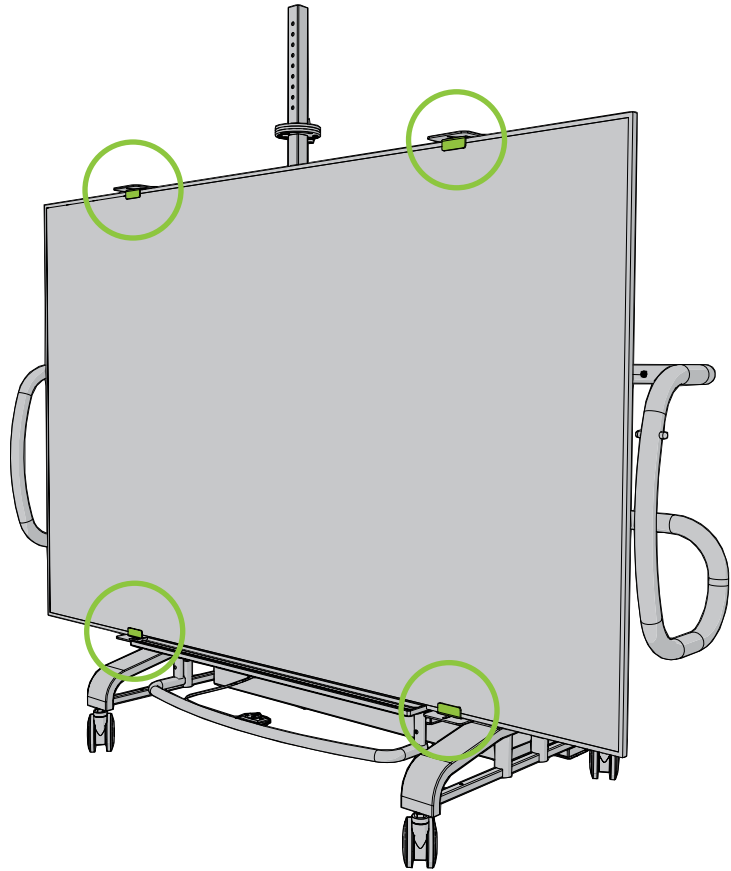
B) Do not fully tighten bolts, leave them loose for next step.



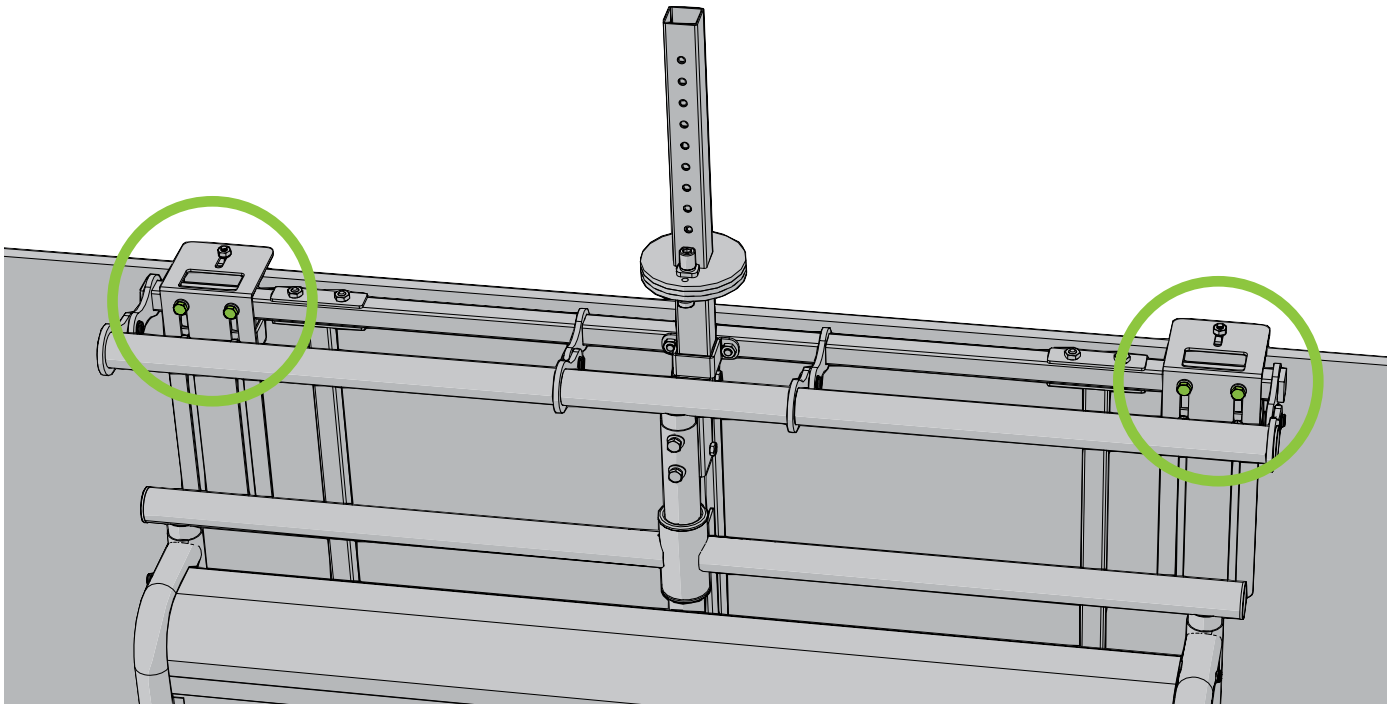
5 Tighten all clamps so they pull securely on board



Press bracket against board,
tighten nut so board does
not move.

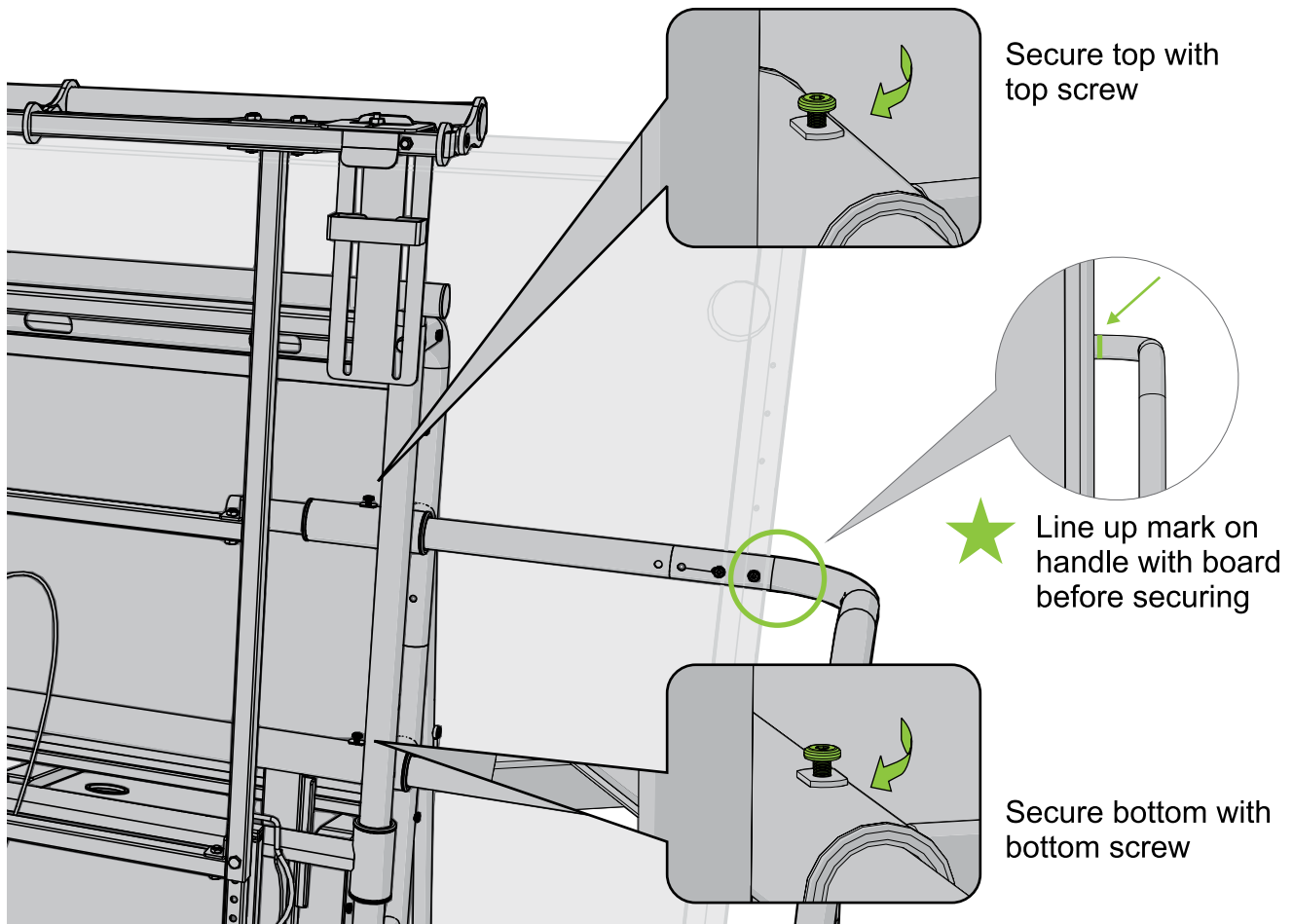


6 Tighten Board Clamp Assembly bolts



You will need: (Not to Scale)

Secure Protective Handles



Actual Size:



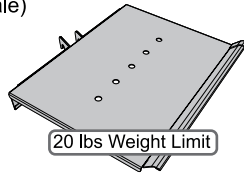
You will need: (Not to Scale)

Take a Break

Stop. Take a break. Have a drink or something. You deserve it!

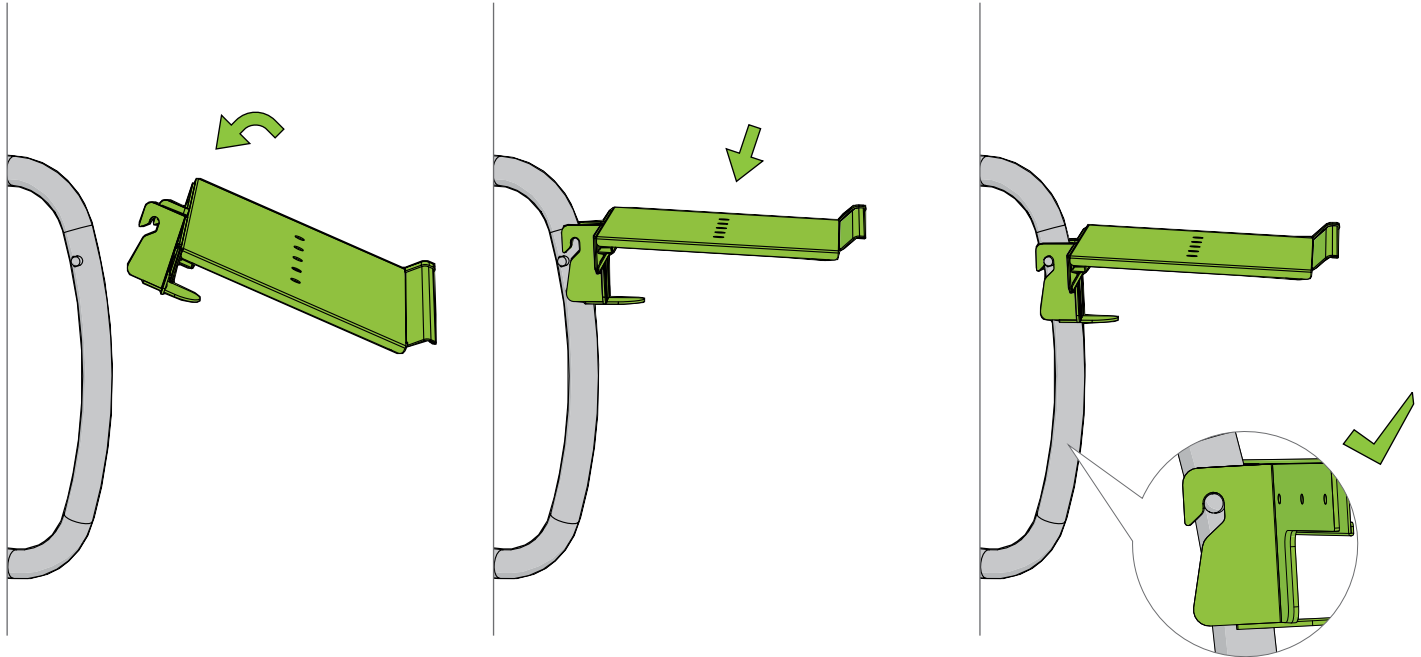


You will need: (Not to Scale)

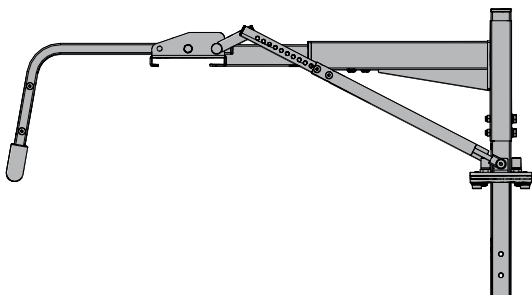
Laptop Tray
1x

Attach Laptop Tray

Optional

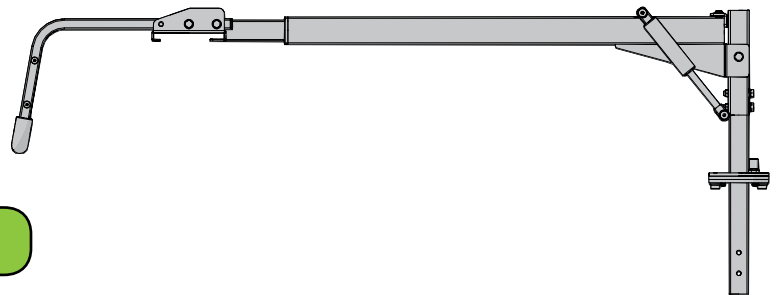


Choose Projector Arm



For UST Projector Arm
follow steps 35...

OR

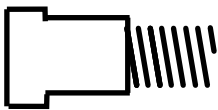


For ST Projector Arm
follow steps 36...



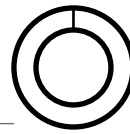
27.1

Actual Size:



JJ

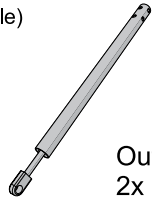
M10 Shoulder Bolt - M8 x 11mm thread
2x



GG

M10 lock washer
2x

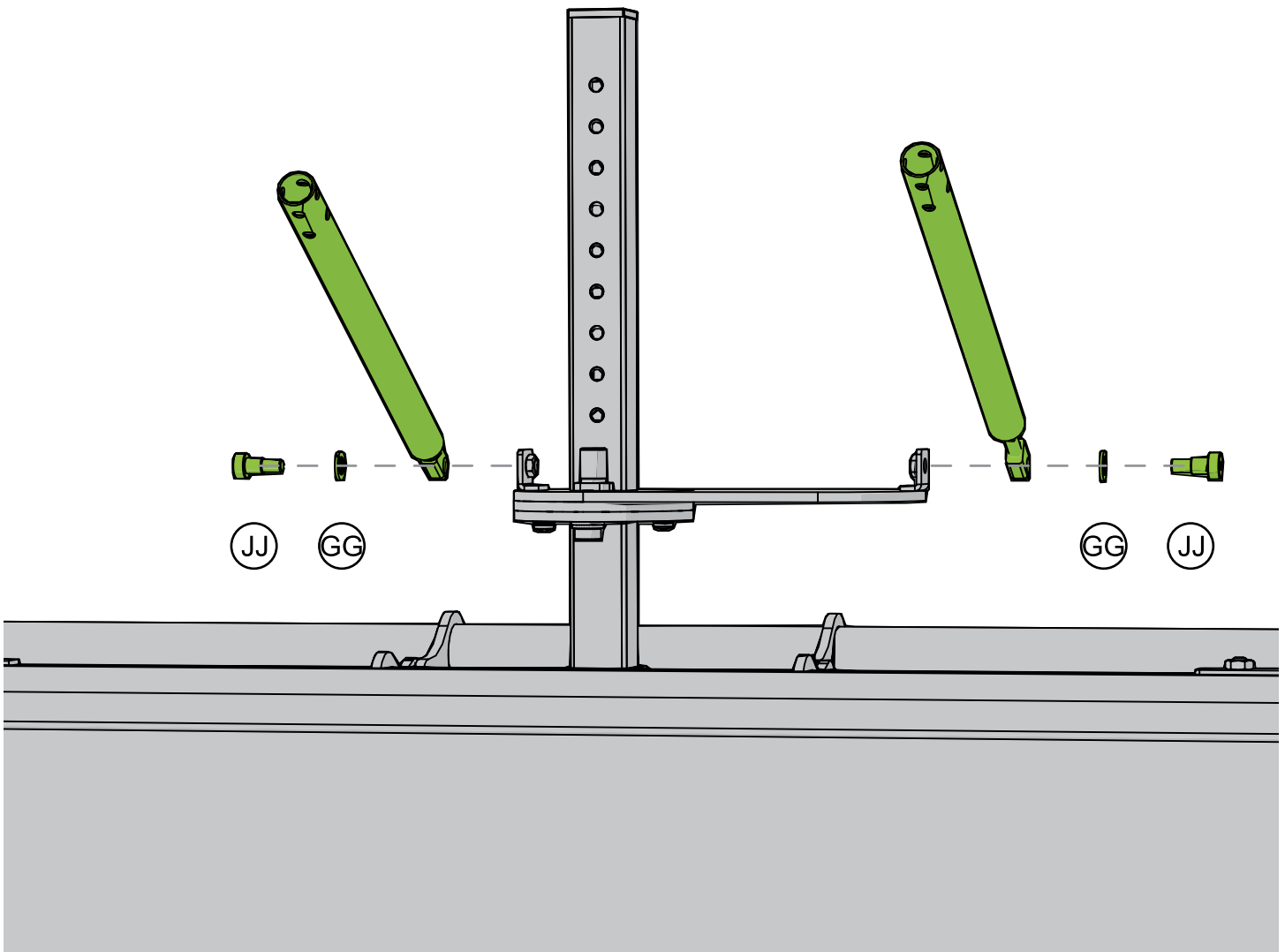
You will need: (Not to Scale)

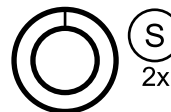


Outer Brace
2x

Attach Outer Brace

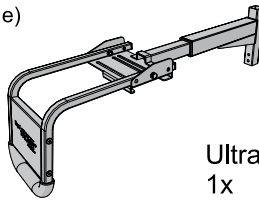
! Do not fully tighten these bolts,
you want the braces to move up and down
a little when aligning your projected image





2-Person Task

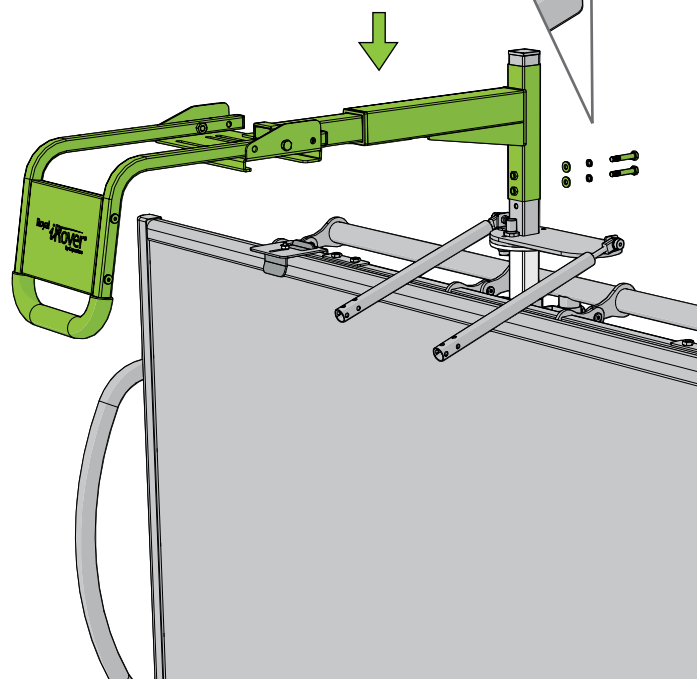
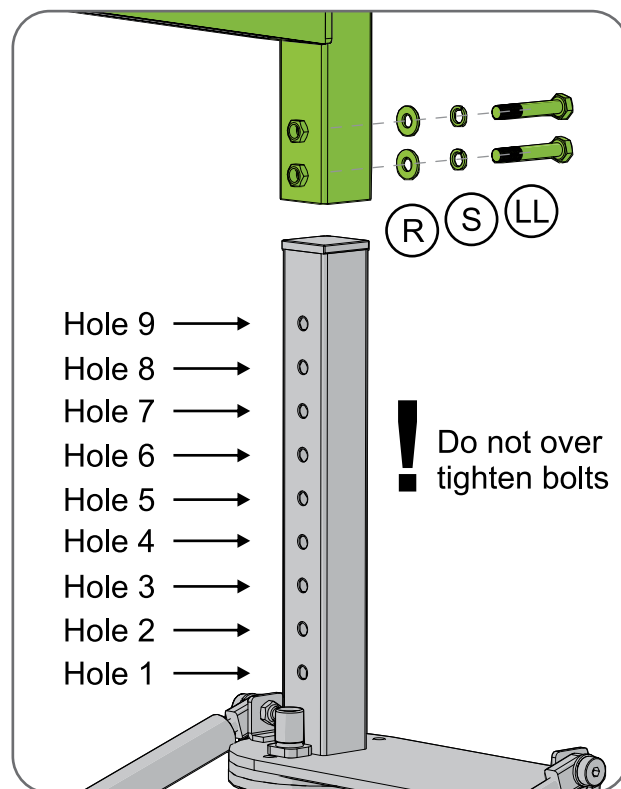
You will need: (Not to Scale)

Ultra Short Throw Projector Arm
1x

Ultra Short Throw Projector Arm

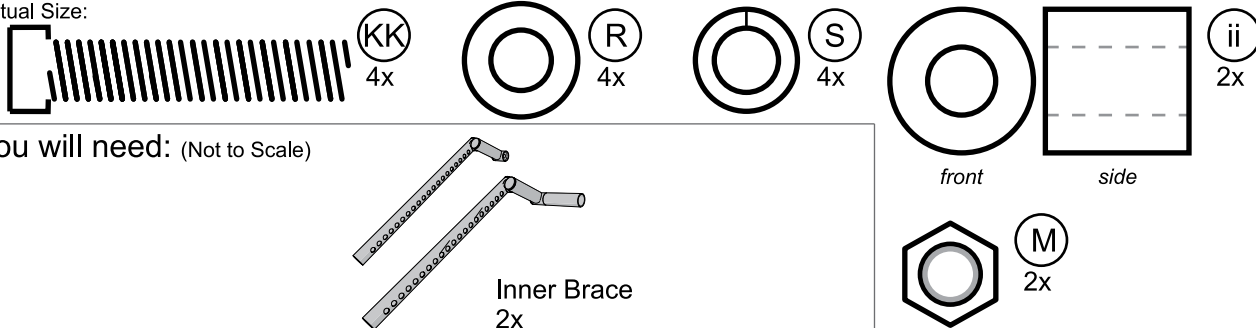
| Projector | Model | Board ("SB" = Smart) | PA Post Holes |
|-----------|-------------------------------|-------------------------|------------------|
| BenQ | MX850U-ST | SB 660 | 4,5 |
| | MX850U-ST | SB 680 | 7,8 |
| | MX850U-ST | SB 880 | 8,9 |
| | MX850U-ST | SBM 680 | 7,8 |
| | MX850U-ST | Promethean 378 | 8,9 |
| | MW851U-ST | SB 680 | 5,6 |
| | MW851U-ST | SB 880 | 6,7 |
| | MW851U-ST | SB 685 | 5,6 |
| | MW851U-ST | SB 885 | 6,7 |
| | MW851U-ST | SBM 685 | 5,6 |
| | MW843U-ST | SBM 685 | 5,6 |
| Epson | 470 / 480 / 570 / 580 | SB 660 | 2,3 |
| | 470 / 480 / 570 / 580 | SB 680 | 2,3 |
| | 470 / 480 / 570 / 580 | SB 880 | 3,4 |
| | 470 / 480 / 570 / 580 | SBM680 | 2,3 |
| | 470 / 480 / 570 / 580 | Promethean 378 | 3,4 |
| | 470 / 480 / 570 / 580 | Promethean ABT 78 | 3,4 |
| | 470i / 480i | Copernicus 77" WB | 3,4 |
| | 475W / 485W / 575W / 585W | SB 660 | 2,3 |
| | 475W / 485W / 575W / 585W | SB 680 | 4,5 |
| | 475W / 485W / 575W / 585W | SBM 680 | 4,5 |
| | 475W / 485W / 575W / 585W | SB 685 | 3,4 |
| | 475W / 485W / 575W / 585W | SB 885 | 4,5 |
| | 475W / 485W / 575W / 585W | SBM 685 | 3,4 |
| | 475W / 485W / 575W / 585W | Promethean ABT 88 | 4,5 |
| | 475Wi / 485Wi / 575Wi / 585Wi | Copernicus 87" WB | 5,6 |
| | 475Wi / 485Wi / 575Wi / 585Wi | Egan 90" WB | 5,6 |
| | *595Wi | Copernicus 87" WB | 5,6 |
| Hitachi | CP-A220N | SB 660 | 7,8 |
| | CP-A220N | SB 680 | 4,5 |
| | CP-A220N | SB 880 | 5,6 |
| | CP-A220N | SBM 680 | 4,5 |
| | CP-A220N | Promethean 378 | 5,6 |
| | CP-A220N | Promethean ABT 78 | 5,6 |
| | CP-A301N | SB 660 | 7,8 |
| | CP-A301N | SB 680 | 4,5 |
| | CP-A301N | SB 880 | 5,6 |
| | CP-A301N | Promethean 378 | 5,6 |
| | CP-AW252N | SB 685 | 7,8 |
| | CP-AW252N | SB 885 | 8,9 |
| | CP-AW252N | SBM 685 | 7,8 |
| | CP-AX2503/CP-AX3503 | SB 680 | 1,2 |
| | CP-AX2503/CP-AX3503 | SBM 680 | 1,2 |
| | CP-AX2503/CP-AX3503 | Promethean ABT 78 | 2,3 |
| | CP-AW2503 | SB 685 | 8,9 |
| | CP-AW2503 | SB 885 | 8,9 |
| | CP-AW2503 | SBM 685 | 8,9 |
| | CP-AW2503 | Promethean ABT 88 | 8,9 |
| NEC | UM330X | SB 660 | 4,5 |
| | UM330X | SB 680 | 2,3 |
| | UM330X | SBM 680 | 2,3 |
| | UM330X | SB 880 | 3,4 |
| | UM330X | Promethean 378 | 3,4 |
| | UM330W | SB 685 | 4,5 |
| | UM330W | SBM 685 | 4,5 |
| | UM330W | SB 885 | 5,6 |
| | UM330W | MimioBoard ME-87 | 5,6 |
| | UM330W | SBM 680 | 1,2 |
| Smart | UF75W | SB 680 | 5,6 |
| | UF75W | SB 880 | 6,7 |
| | UF75W | SBM 680 | 5,6 |
| | UF75W | SB 685 | 5,6 |
| | UF75W | SB 885 | 6,7 |
| | UF75W | SBM 685 | 5,6 |
| | LightRaise 40Wi | Copernicus 77" WB | 7,8 |
| | LightRaise 40Wi | Copernicus 87" WB | 7,8 |
| | UF70W | SB 685 | 5,6 |
| | UF70W | SB 885 | 6,7 |
| | UF70W | SBM 685 | 5,6 |
| | UF70 | SB 680 | 7,8 |
| | UF70 | SB 880 | 8,9 |
| | UF70 | SBM 680 | 7,8 |
| | U100 | SBM 680 | 1,2 |

Set Projector Arm Post Height

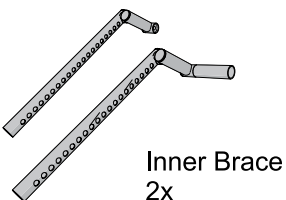


27.3

Actual Size:



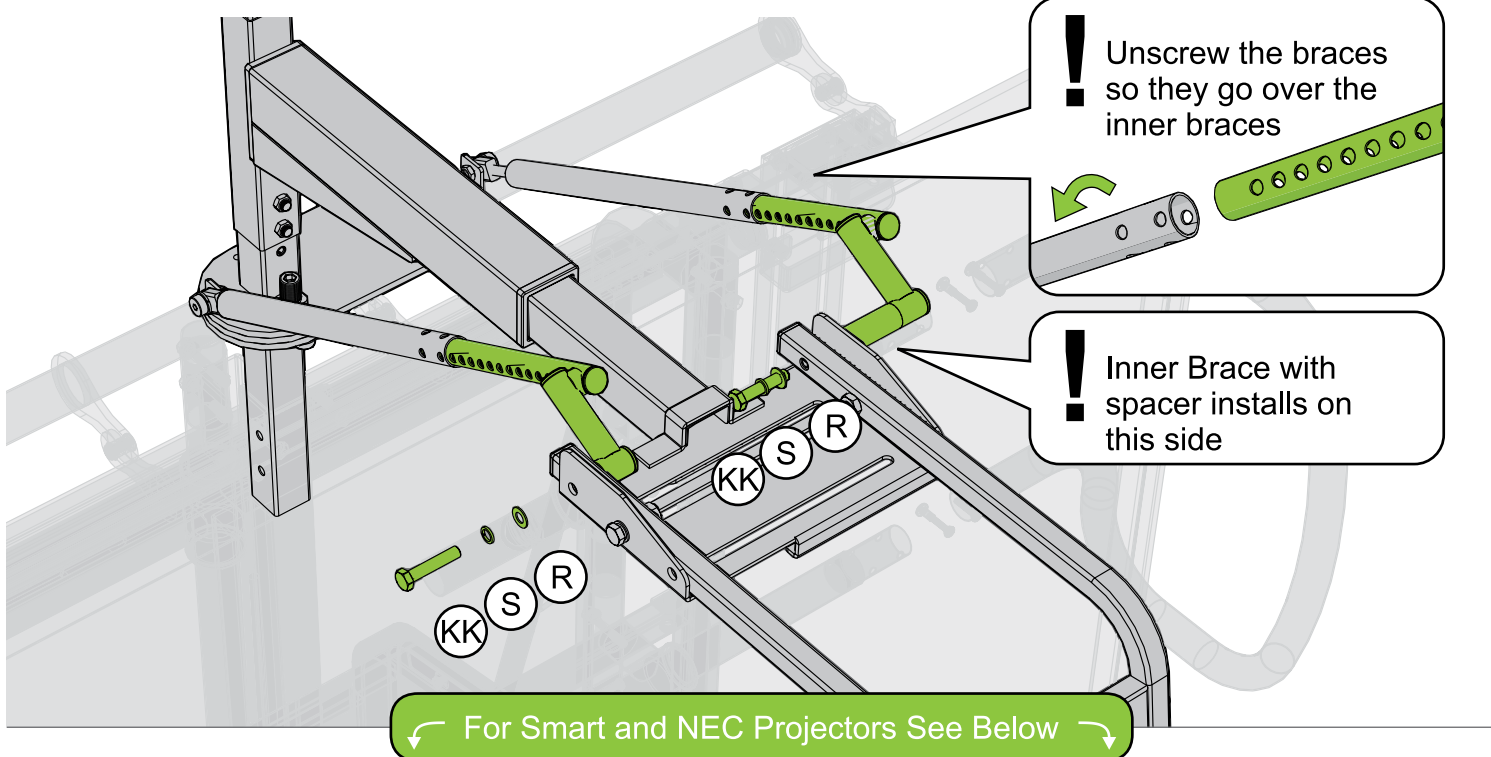
You will need: (Not to Scale)



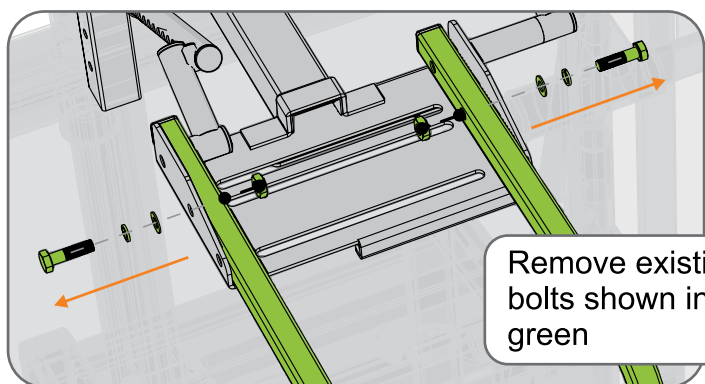
front side



Secure Handle and Braces

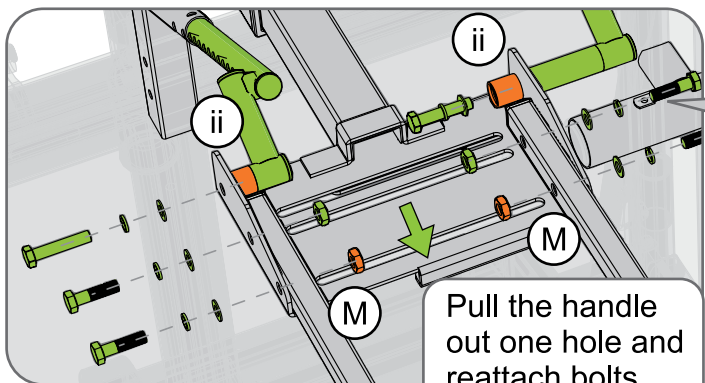


1)



Remove existing bolts shown in green

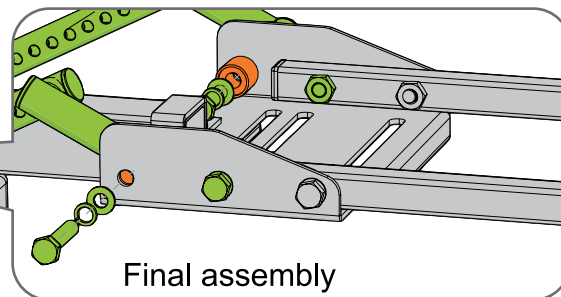
2)



Pull the handle out one hole and reattach bolts

For the following projectors install with handle pulled out and use ii spacers:

| | |
|-------|-----------------|
| Smart | UF75W |
| | LightRaise 40Wi |
| | UF70W |
| | UF70 |
| NEC | UM330X |
| | UM330W |
| Sony | VPL-SW536 |

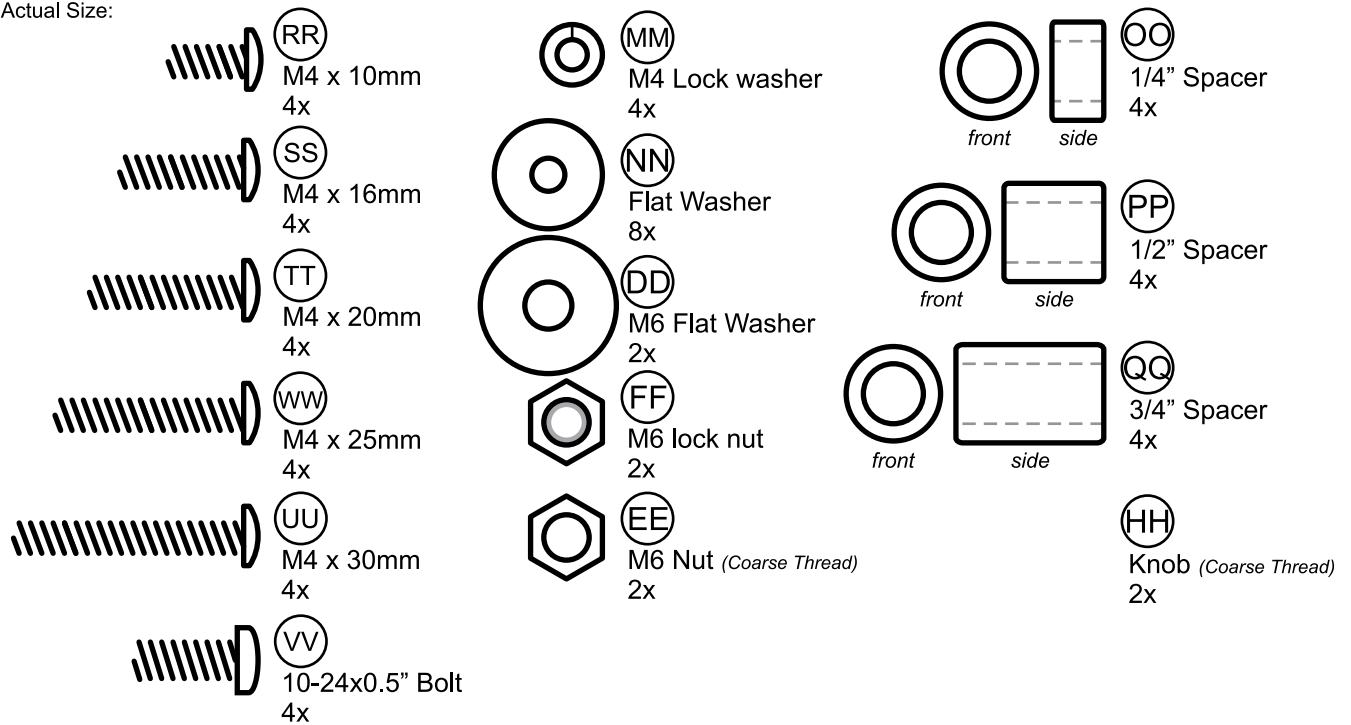


Final assembly



Allow the Inner Braces to move a little, this will make aligning your image easier

Actual Size:



You will need: (Not to Scale)



Spider Arm - Short
4x



Spider Arm - Medium
2x



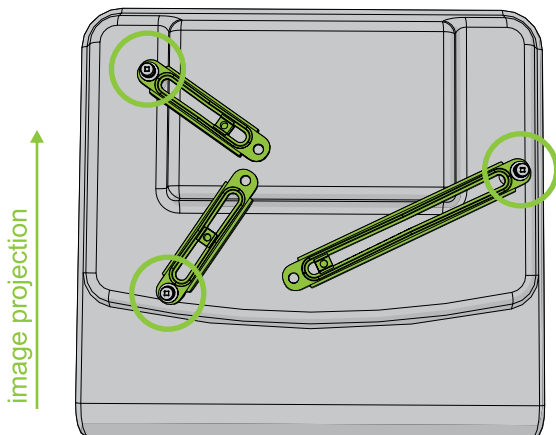
Spider Arm - Long
2x

1 Attach Spider Arms

Be sure not to tighten any bolts yet, we will need the Spider Arms loose when we position our Projector Plate in the next step.

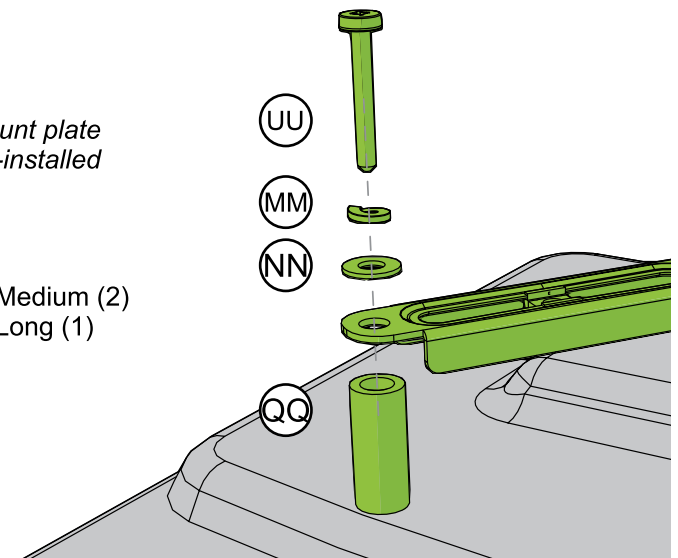
- Make sure to identify the correct projector you are installing.
- More projectors on the following pages.

Attaching Spider Arms to BenQ MX850UST/MW851UST/MW843UST



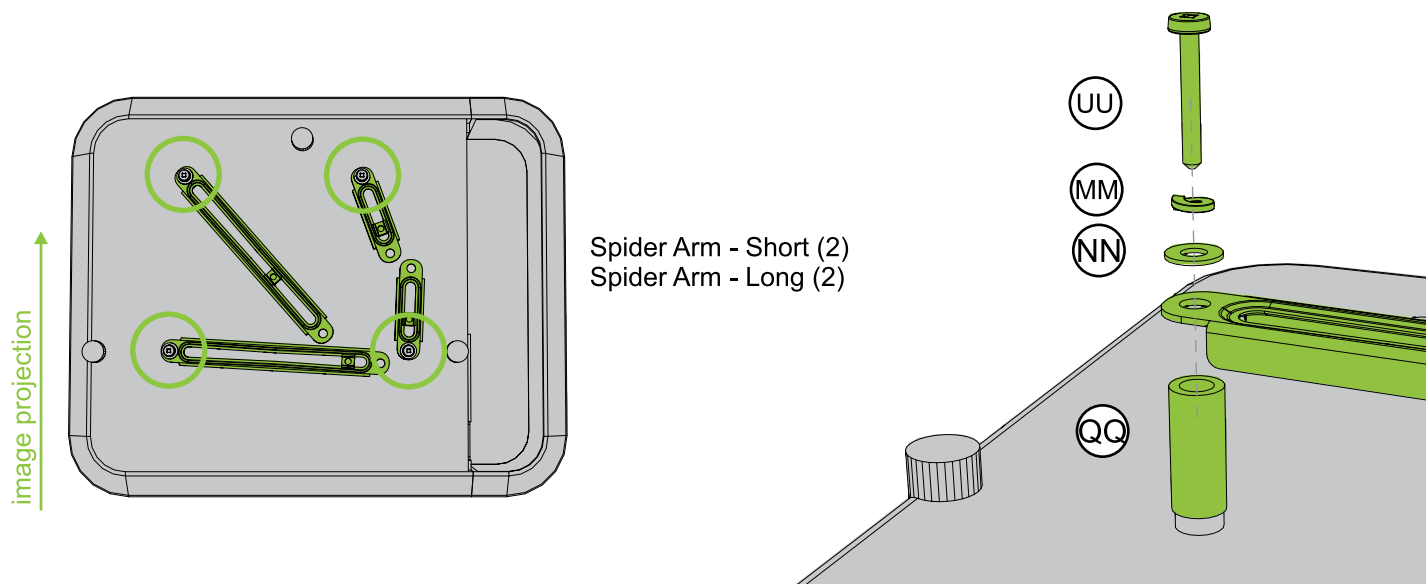
! If white mount plate comes pre-installed remove it.

Spider Arm - Medium (2)
Spider Arm - Long (1)

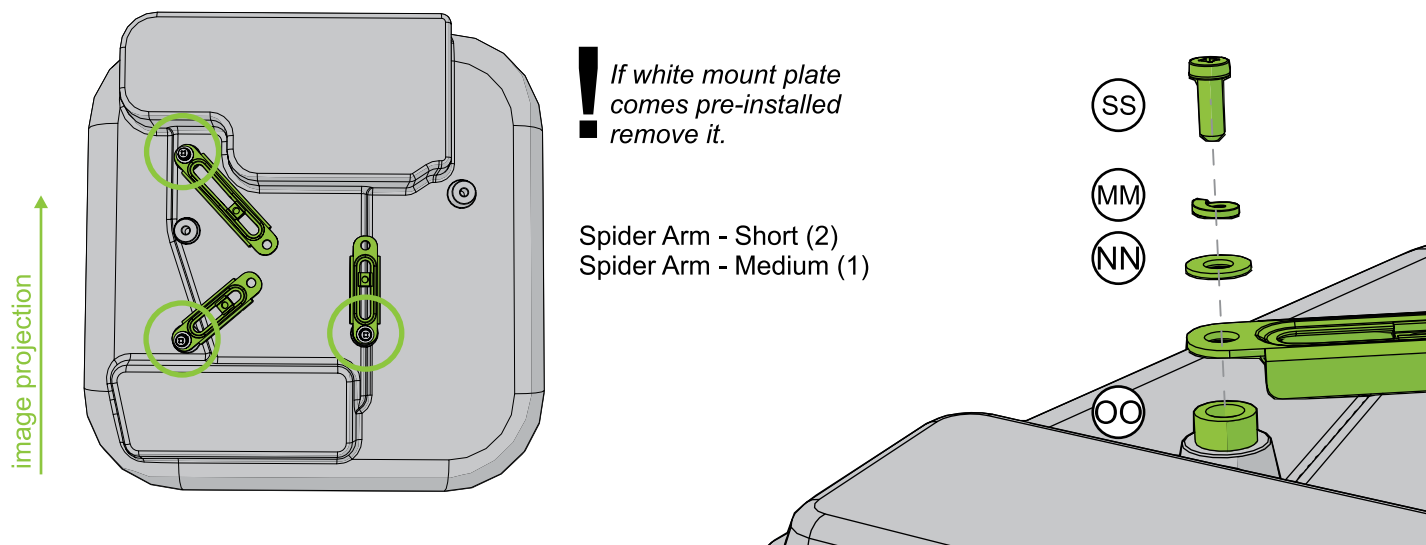


... continued

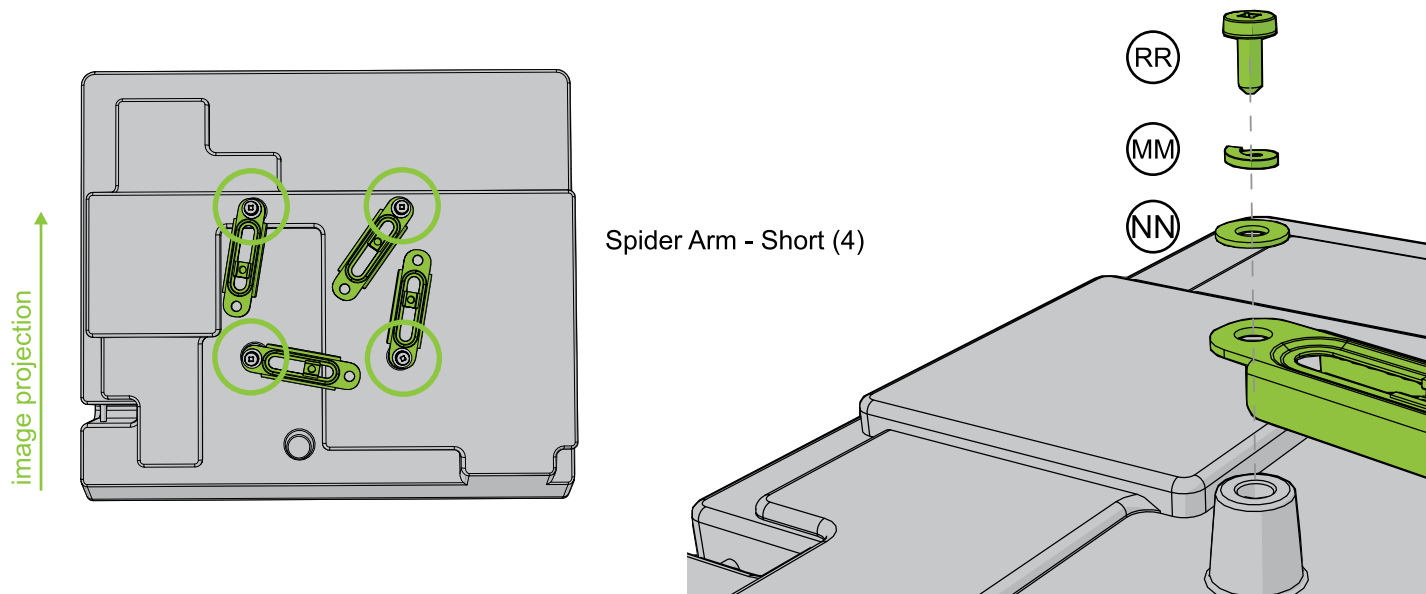
Attaching Spider Arms to Casio XJ-UT310WN



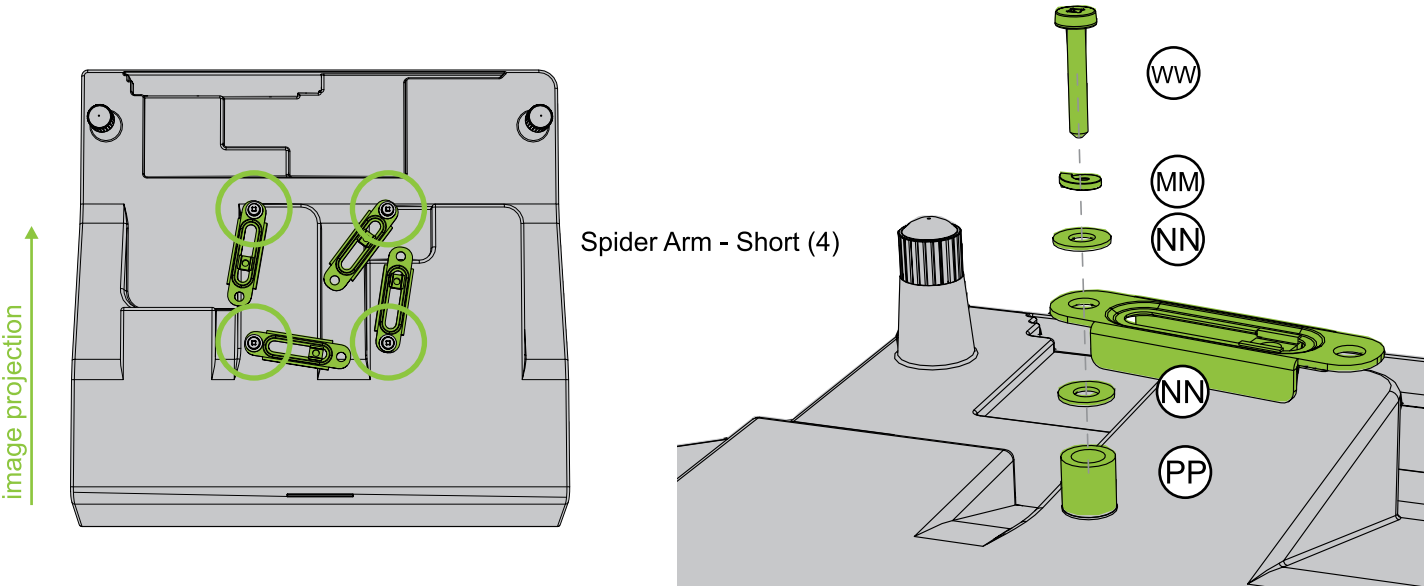
Attaching Spider Arms to Epson 470/470i/475W/475Wi, 480/480i/485W/485Wi, 570/575W/575Wi, 580/585W/585Wi/595Wi



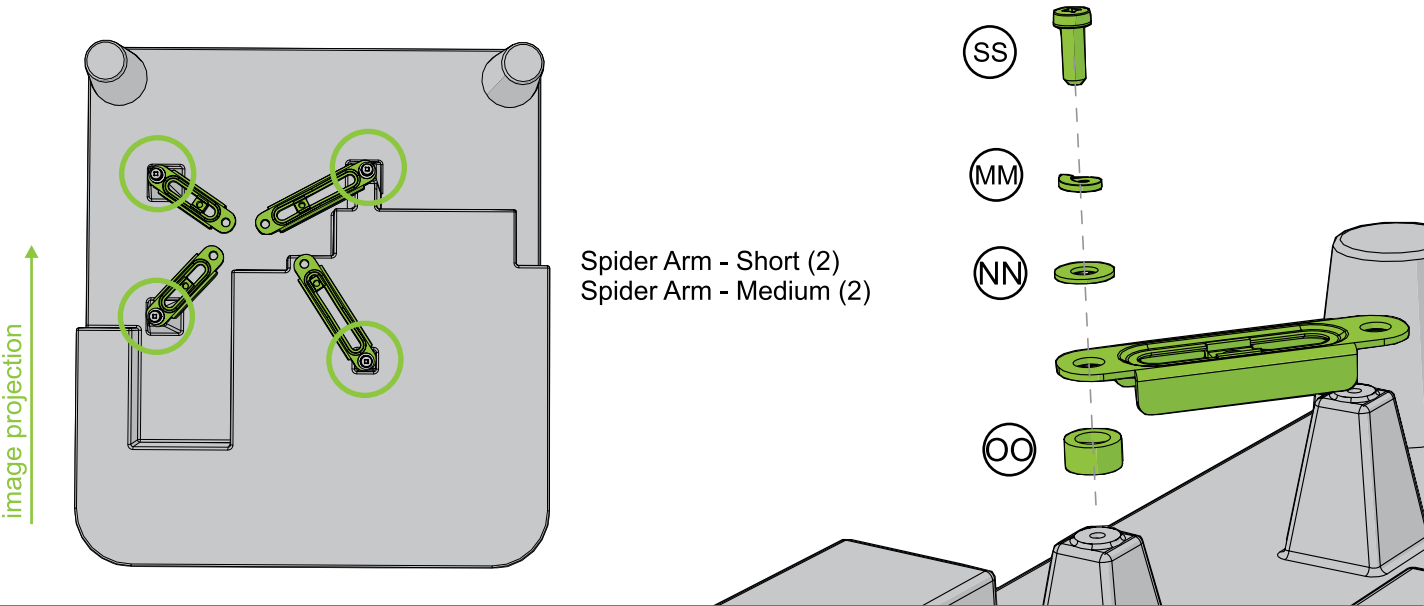
Attaching Spider Arms to Hitachi CP-A220N, A301N, AW252N



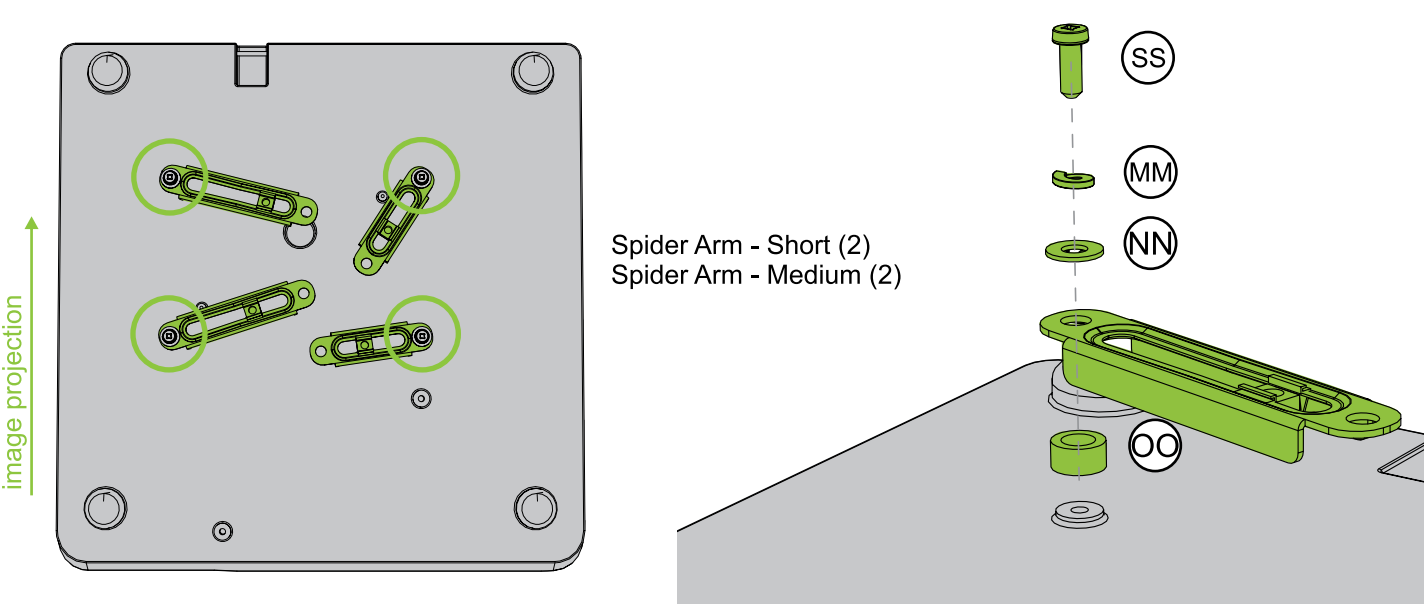
Attaching Spider Arms to Hitachi CP-AX2503/AX3503/AW2503



Attaching Spider Arms to NEC UM330X/UM330W

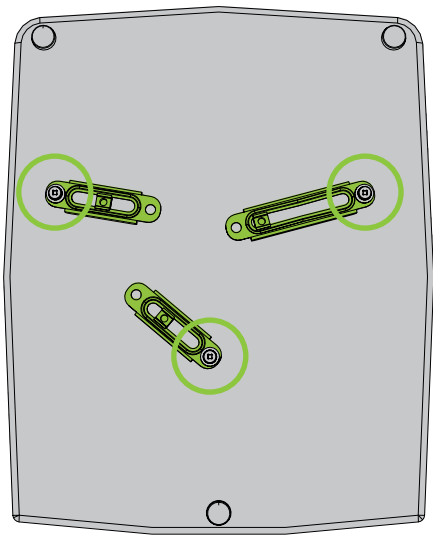


Attaching Spider Arms to Optoma W307UST

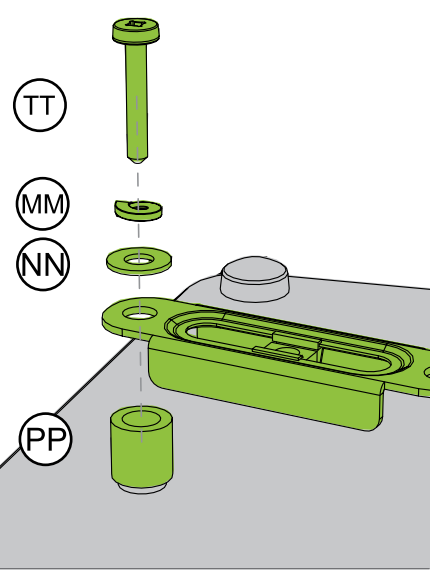


Attaching Spider Arms to Promethean UST-P1

image projection ↑

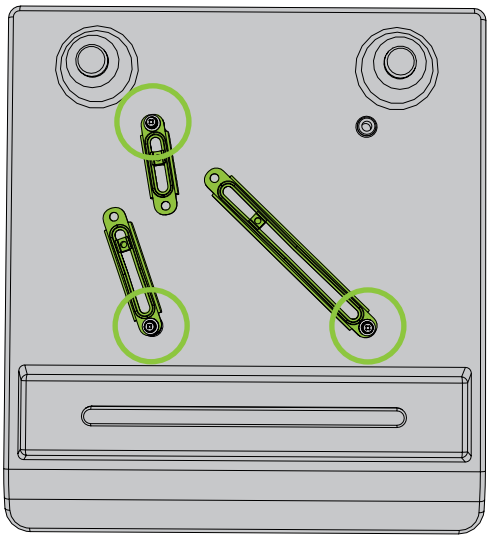


Spider Arm - Short (2)
Spider Arm - Medium (1)

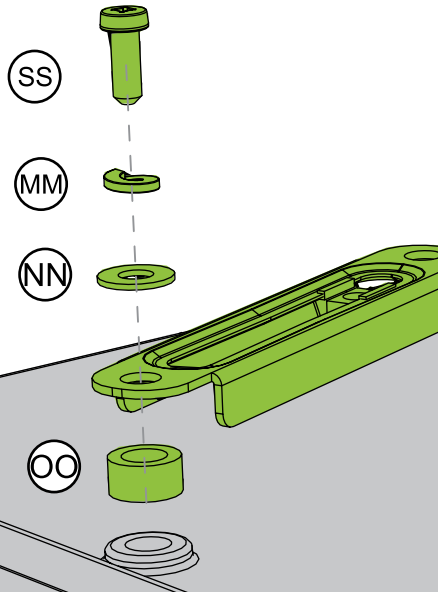


Attaching Spider Arms to Sony VPL-SW536

image projection ↑

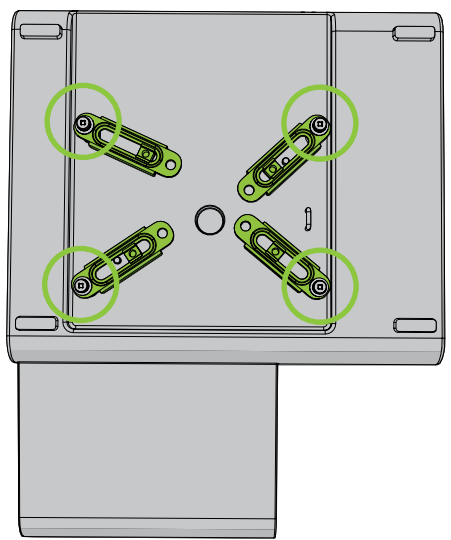


Spider Arm - Short (1)
Spider Arm - Medium (1)
Spider Arm - Long (1)



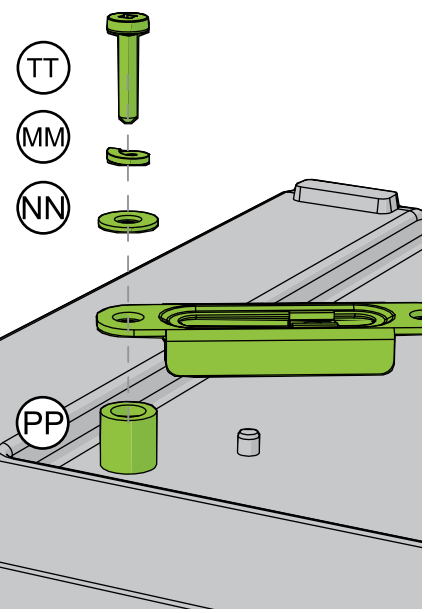
Attaching Spider Arms to Smart UF75W

image projection ↑



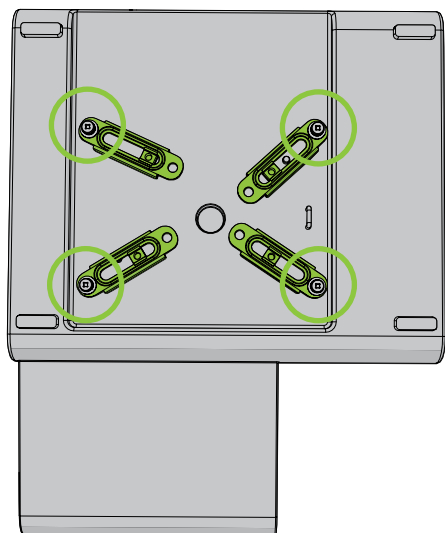
! If mount plate comes pre-installed remove it.

Spider Arm - Short (4)



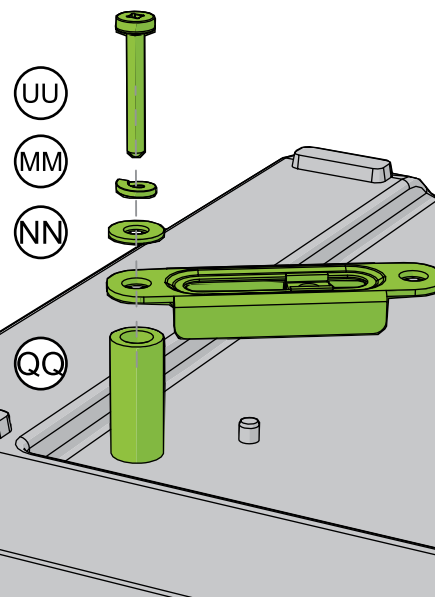
Attaching Spider Arms to Smart LightRaise 40Wi

image projection



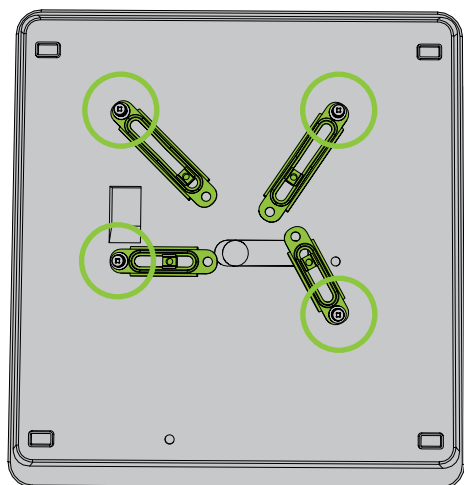
! If mount plate comes pre-installed remove it.

Spider Arm - Short (4)



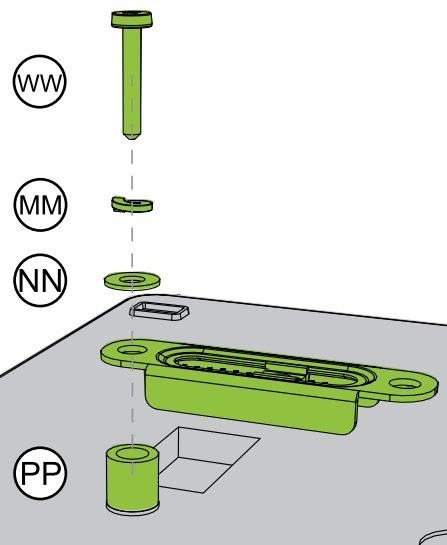
Attaching Spider Arms to Smart UF70/UF70W

image projection



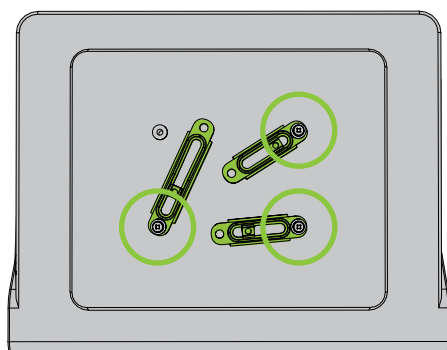
! If mount plate comes pre-installed remove it.

Spider Arm - Short (2)
Spider Arm - Medium (2)



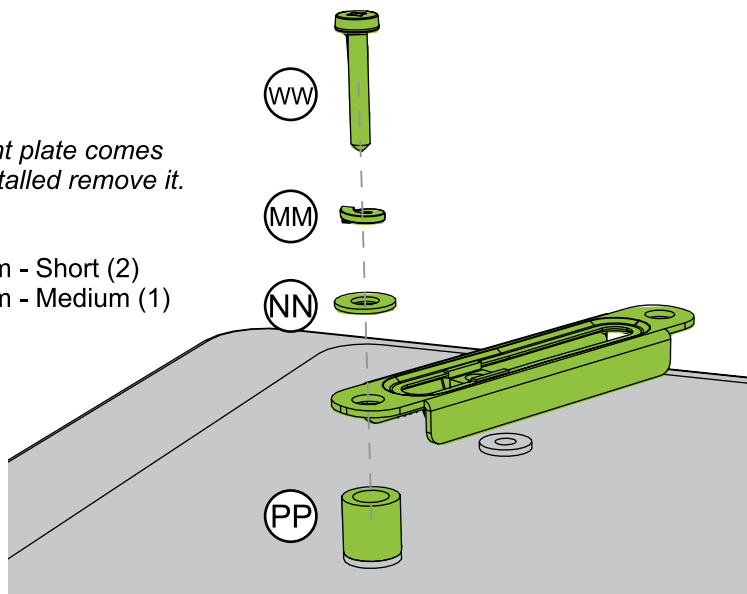
Attaching Spider Arms to Smart U100

image projection



! If mount plate comes pre-installed remove it.

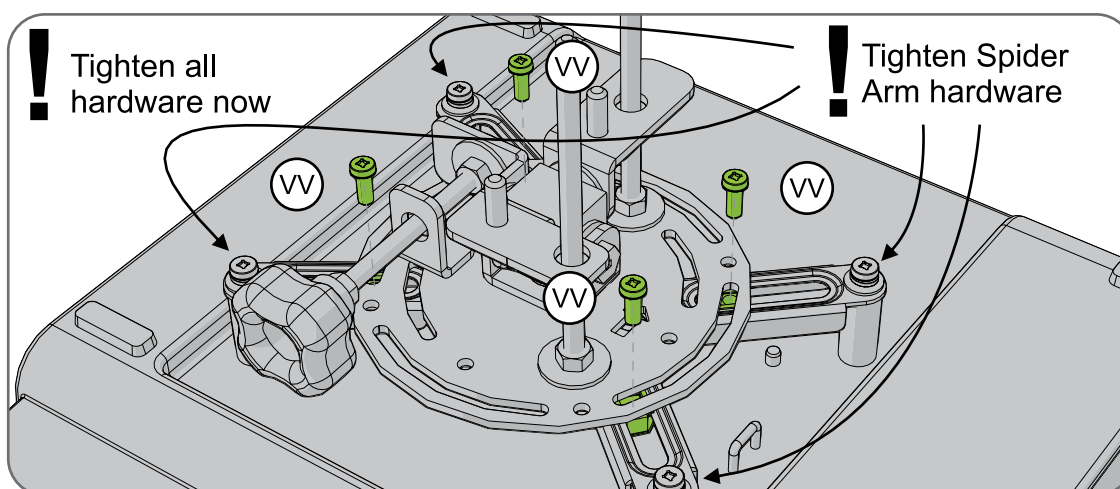
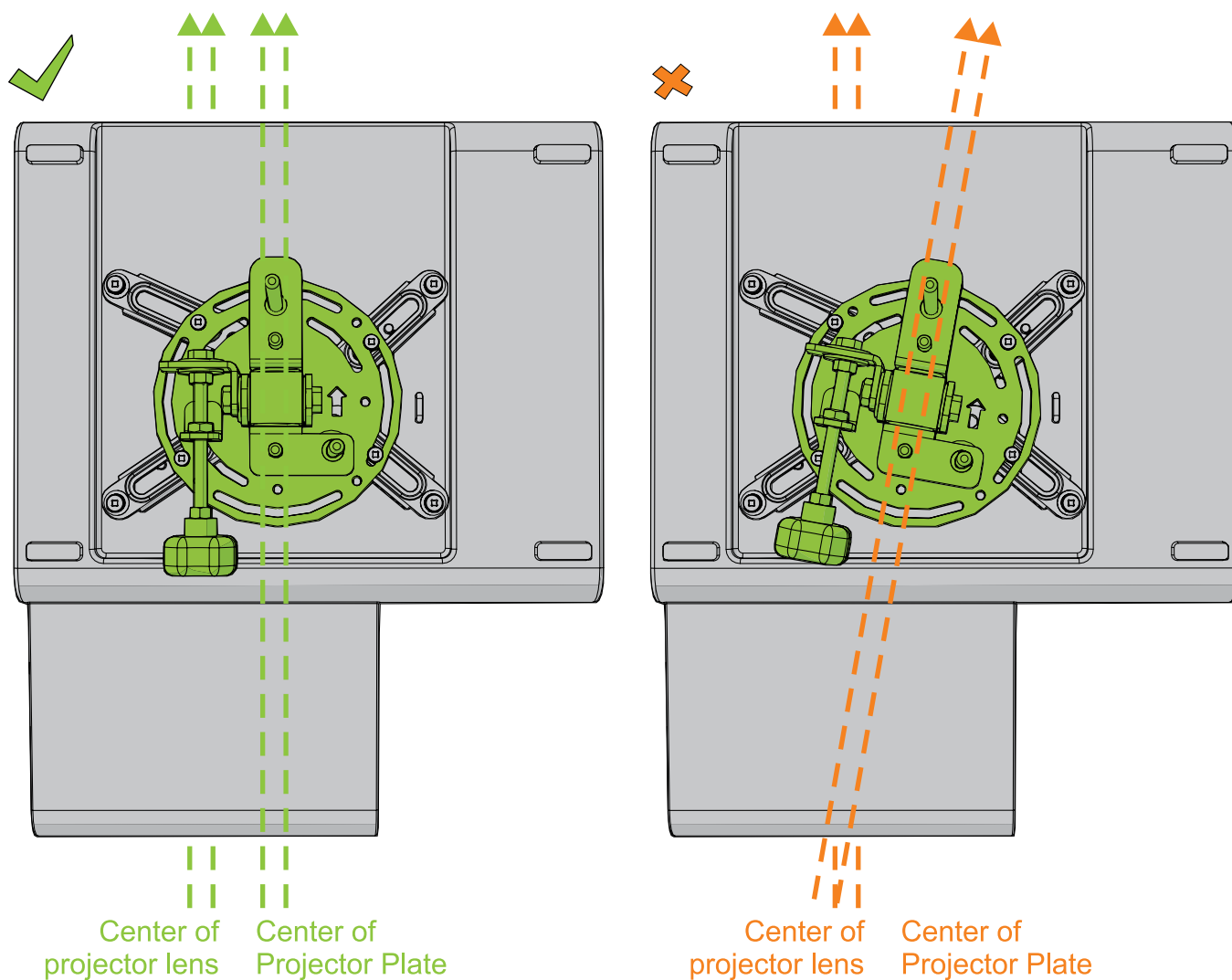
Spider Arm - Short (2)
Spider Arm - Medium (1)



2 Attach Projector Plate

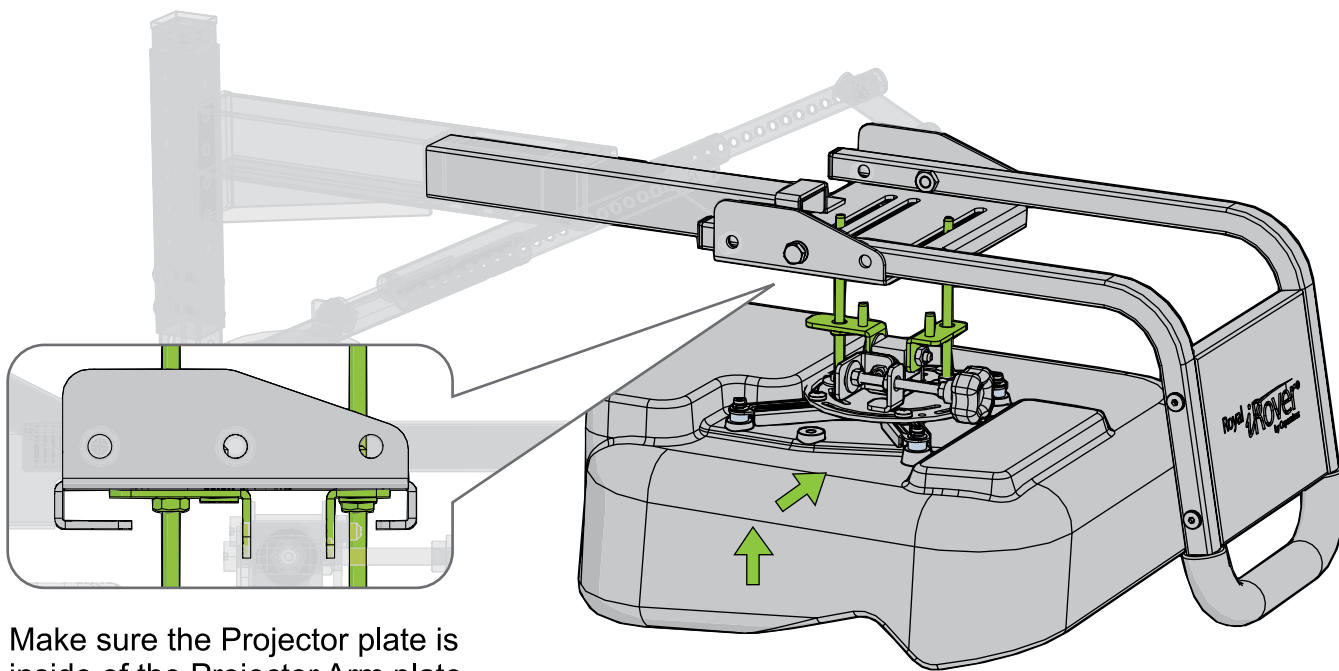
Pay attention to the alignment of the Projector Plate. Correct installation will make aligning your image later on much easier.

! MAKE SURE YOUR PROJECTOR PLATE IS PARALLEL WITH YOUR PROJECTOR



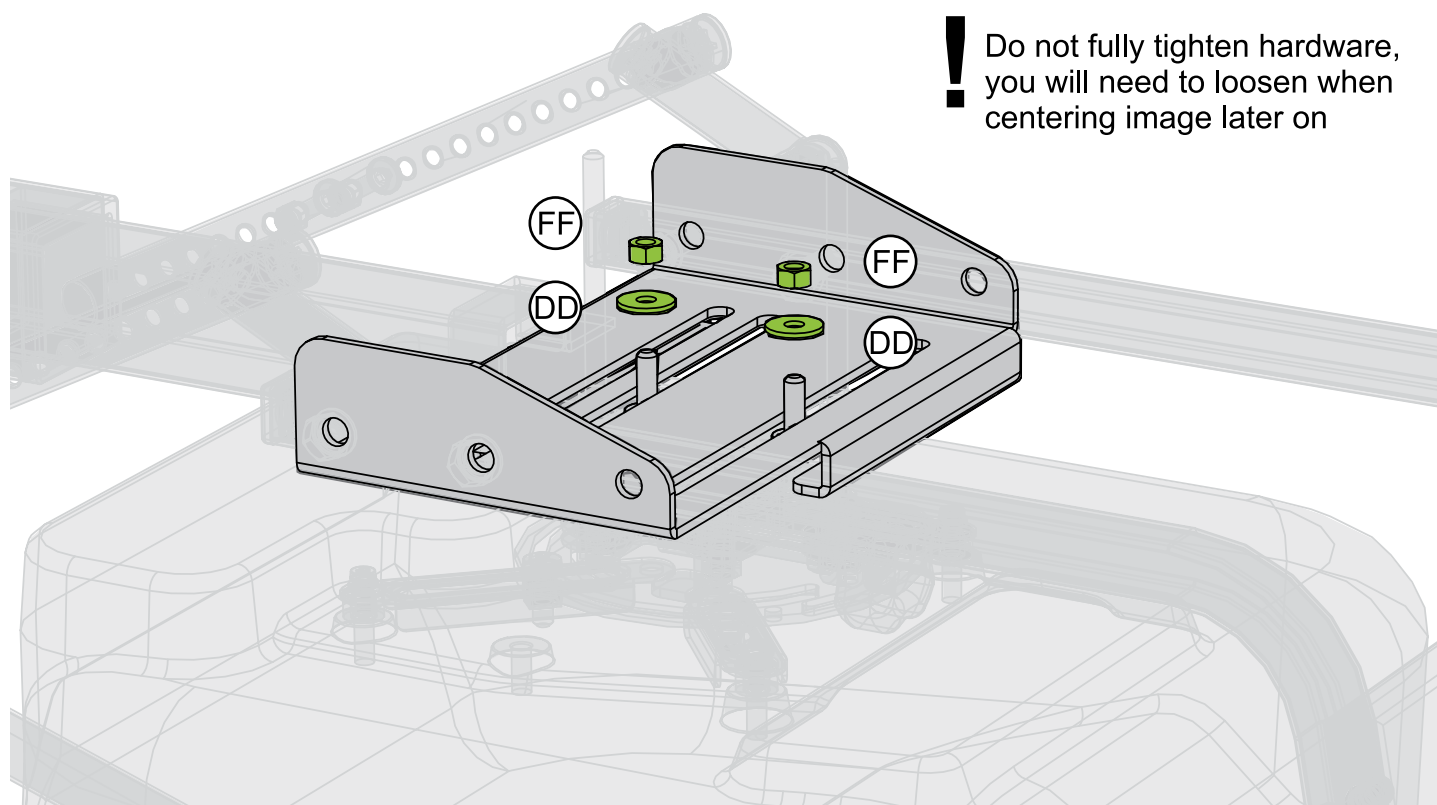
3 Attach Projector to Projector Arm

When placing in slots, align the lens of the projector so it lines up with the Projector Arm. This will help your projected image to align with the middle of your board.



! Make sure the Projector plate is inside of the Projector Arm plate

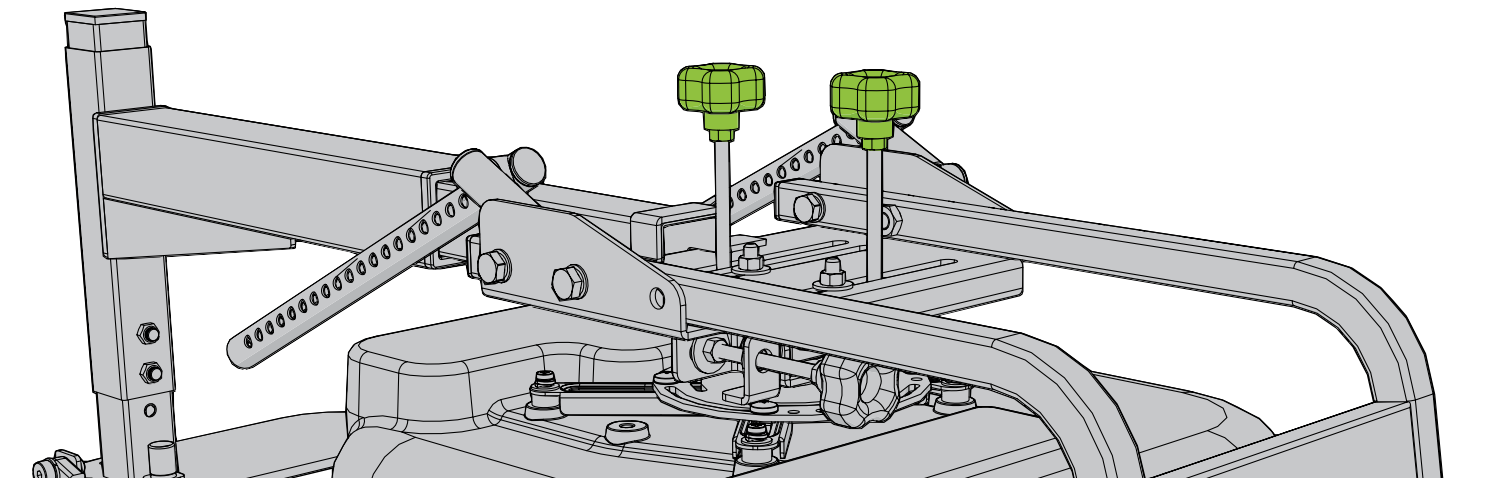
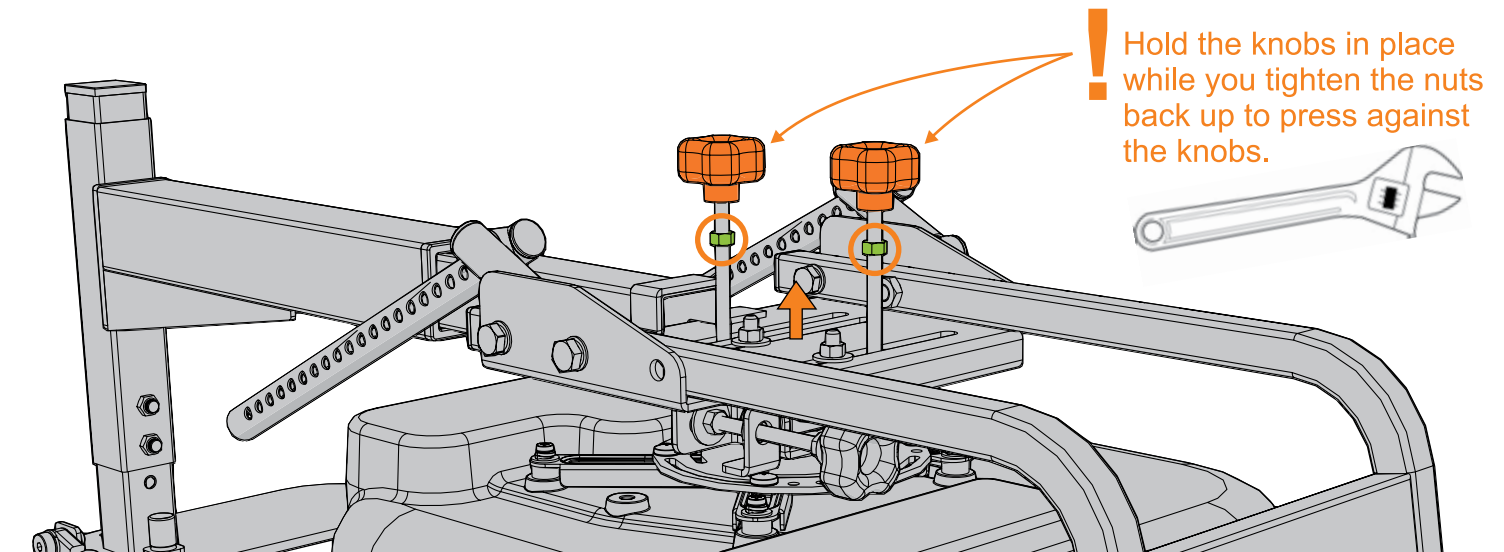
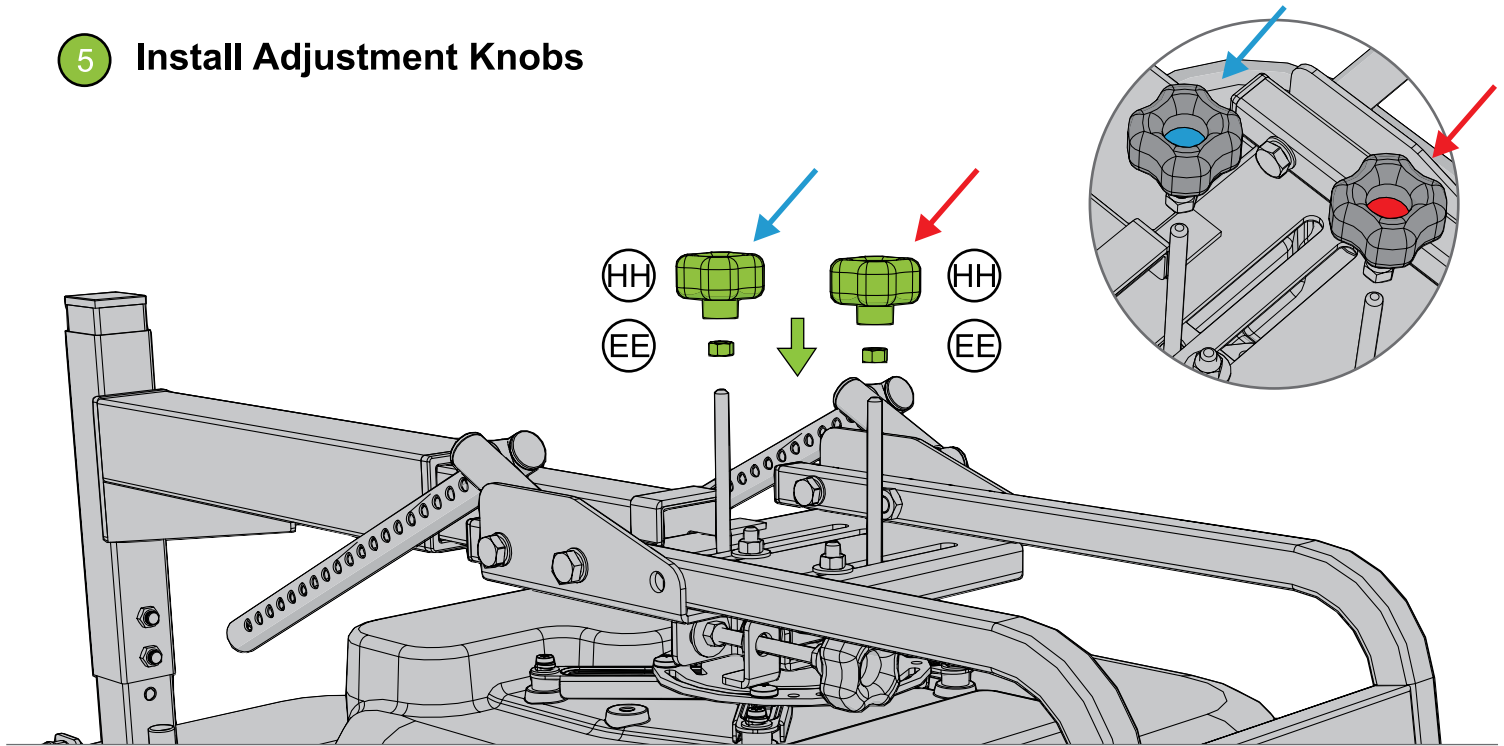
4 Secure Projector



! Do not fully tighten hardware, you will need to loosen when centering image later on



5 Install Adjustment Knobs





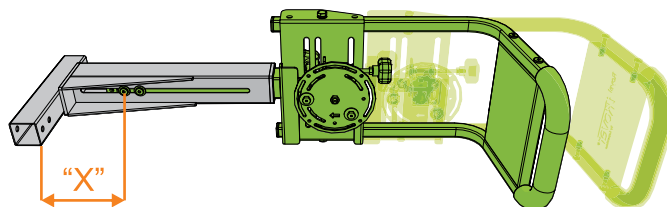
Align Your Image

1 Adjust Size of Image Using Distance “X”

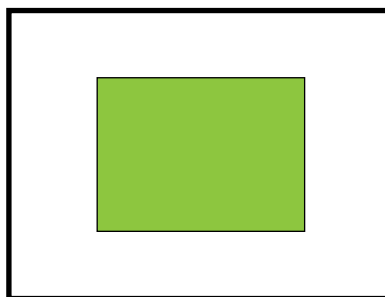
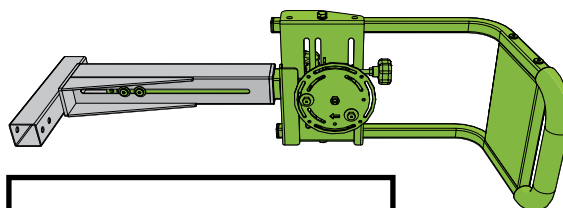
| Ultra Short Throw Projector Arm | | | |
|---------------------------------|-------------------------------|-------------------------|-----------------|
| Projector | Model | Board ("SB" = Smart) | Distance "X" |
| BenQ | MX850U-ST | SB 660 | 128mm |
| | MX850U-ST | SB 680 | 237mm |
| | MX850U-ST | SB 880 | 233mm |
| | MX850U-ST | SBM 680 | 187mm |
| | MX850U-ST | Promethean 378 | 252mm |
| | MW851U-ST | SB 680 | 221mm |
| | MW851U-ST | SB 880 | 207mm |
| | MW851U-ST | SB 685 | 221mm |
| | MW851U-ST | SB 885 | 207mm |
| | MW851U-ST | SBM 685 | 166mm |
| Epson | MW843U-ST | SBM 685 | 209mm |
| | 470 / 480 / 570 / 580 | SB 660 | 79mm |
| | 470 / 480 / 570 / 580 | SB 680 | 142mm |
| | 470 / 480 / 570 / 580 | SB 880 | 151mm |
| | 470 / 480 / 570 / 580 | SBM680 | 137mm |
| | 470 / 480 / 570 / 580 | Promethean 378 | 168mm |
| | 470 / 480 / 570 / 580 | Promethean ABT 78 | 125mm |
| | 470i / 480i | Copernicus 77" WB | 137mm |
| | 475W / 485W / 575W / 585W | SB 660 | 90mm |
| | 475W / 485W / 575W / 585W | SB 680 | 170mm |
| | 475W / 485W / 575W / 585W | SBM 680 | 165mm |
| | 475W / 485W / 575W / 585W | SB 685 | 161mm |
| | 475W / 485W / 575W / 585W | SB 885 | 154mm |
| | 475W / 485W / 575W / 585W | SBM 685 | 151mm |
| | 475W / 485W / 575W / 585W | Promethean ABT 88 | 143mm |
| | 475Wi / 485Wi / 575Wi / 585Wi | Copernicus 87" WB | 155mm |
| | 475Wi / 485Wi / 575Wi / 585Wi | Egan 90" WB | 170mm |
| | *595Wi | Copernicus 87" WB | 155mm |
| Hitachi | CP-A220N | SB 660 | 78mm |
| | CP-A220N | SB 680 | 94mm |
| | CP-A220N | SB 880 | 90mm |
| | CP-A220N | SBM 680 | 85mm |
| | CP-A220N | Promethean 378 | 121mm |
| | CP-A220N | Promethean ABT 78 | 70mm |
| | CP-A301N | SB 660 | 75mm |
| | CP-A301N | SB 680 | 87mm |
| | CP-A301N | SB 880 | 88mm |
| | CP-A301N | Promethean 378 | 116mm |
| | CP-AW252N | SB 685 | 187mm |
| | CP-AW252N | SB 885 | 187mm |
| | CP-AW252N | SBM 685 | 175mm |
| | CP-AX2503/CP-AX3503 | SB 680 | 93mm |
| | CP-AX2503/CP-AX3503 | SBM 680 | 93mm |
| | CP-AX2503/CP-AX3503 | Promethean ABT 78 | 93mm |
| | CP-AW2503 | SB 685 | 203mm |
| | CP-AW2503 | SB 885 | 216mm |
| NEC | CP-AW2503 | SBM 685 | 199mm |
| | CP-AW2503 | Promethean ABT 88 | 185mm |
| | UM330X | SB 660 | 98mm |
| | UM330X | SB 680 | 131mm |
| | UM330X | SBM 680 | 131mm |
| | UM330X | SB 880 | 123mm |
| | UM330X | Promethean 378 | 146mm |
| | UM330W | SB 685 | 238mm |
| | UM330W | SBM 685 | 218mm |
| | UM330W | SB 885 | 238mm |
| | UM330W | MimioBoard ME-87 | 249mm |

*Epson 595Wi projector must be ordered with bracket (IWB-BK595) in order to mount touch module for finger touch interactivity.

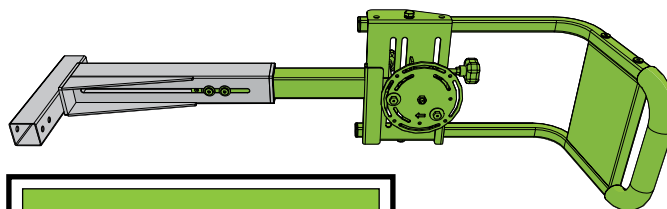
Don't see your projector & board combination here?
Check p.71 for a complete list of projectors.



Measure from the
post to the first screw.



Make Image Smaller



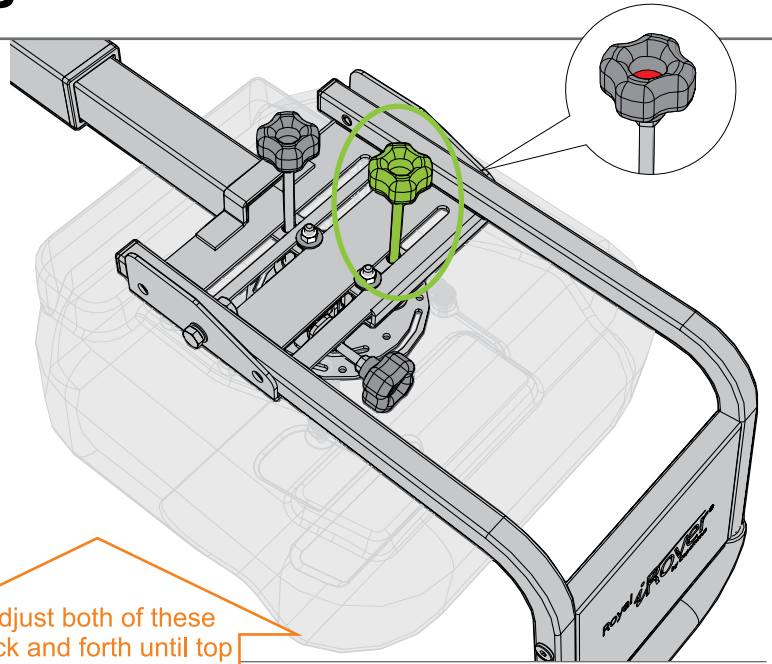
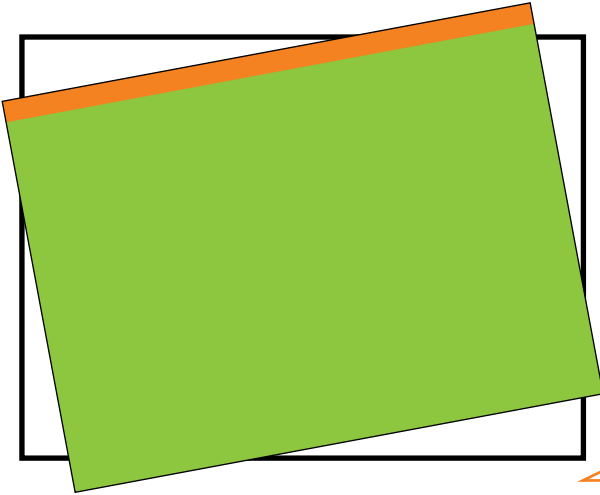
Make Image Larger

... continued on
next page



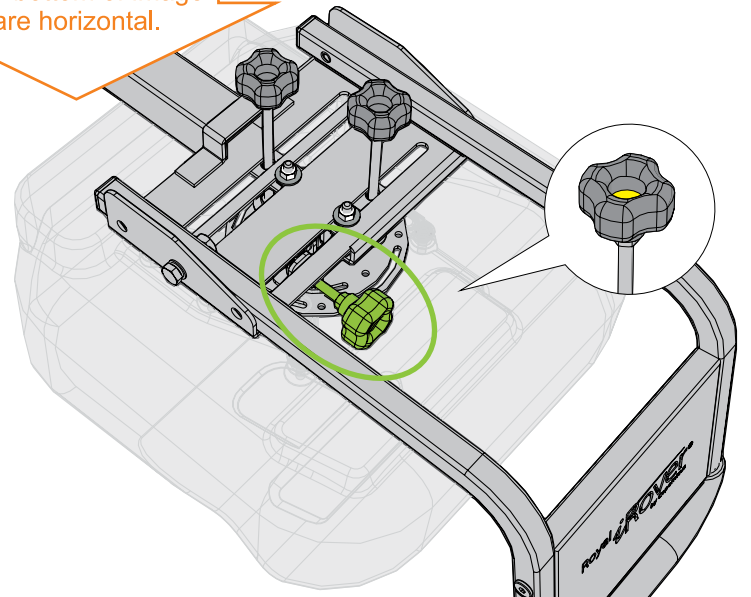
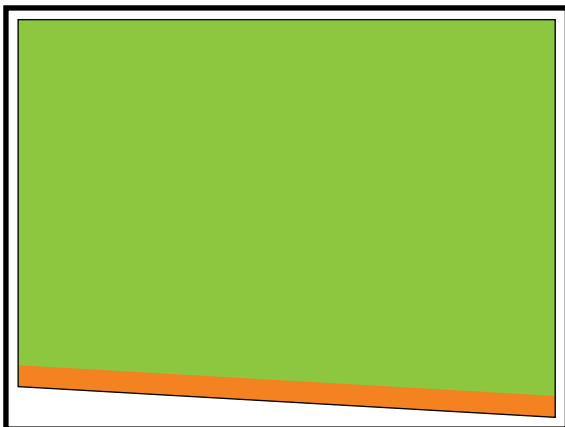
Align Your Image

2 Align Top of Image

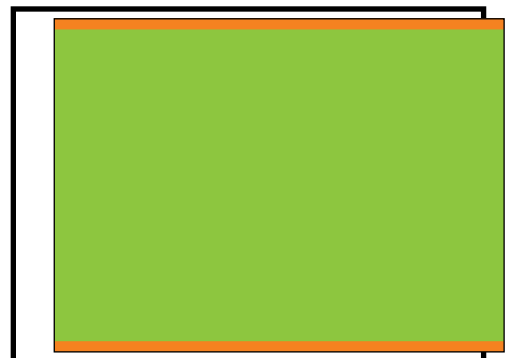
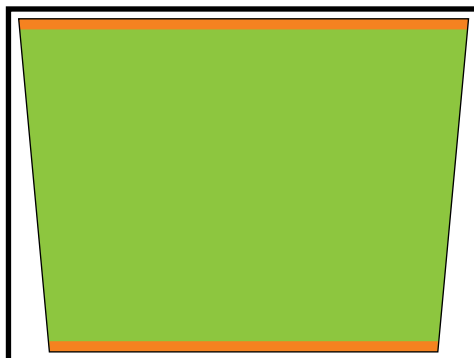
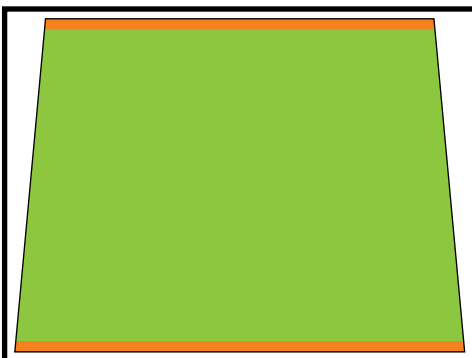


Adjust both of these back and forth until top AND bottom of image are horizontal.

3 Align Bottom of Image



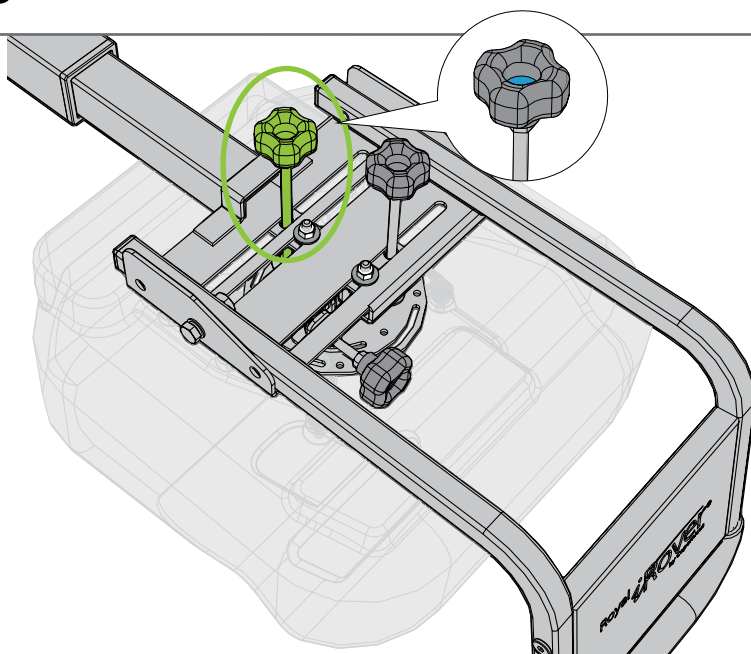
Our Goal: to align top and bottom of image, only once we achieve this we move onto aligning the sides of the image.



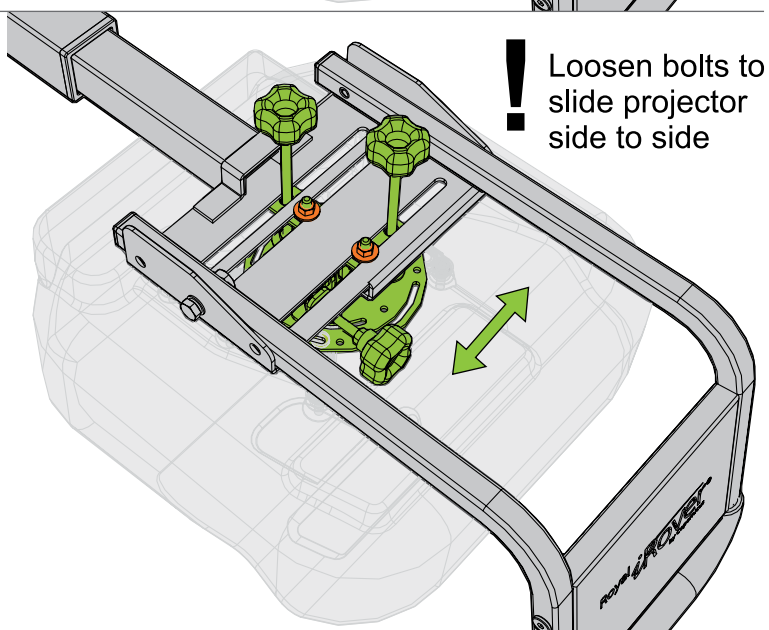
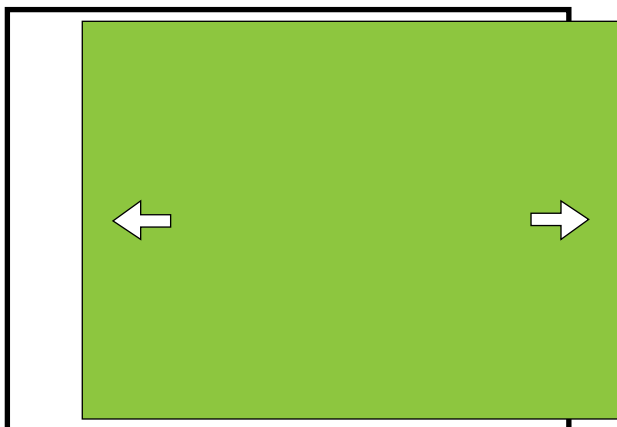


Align Your Image

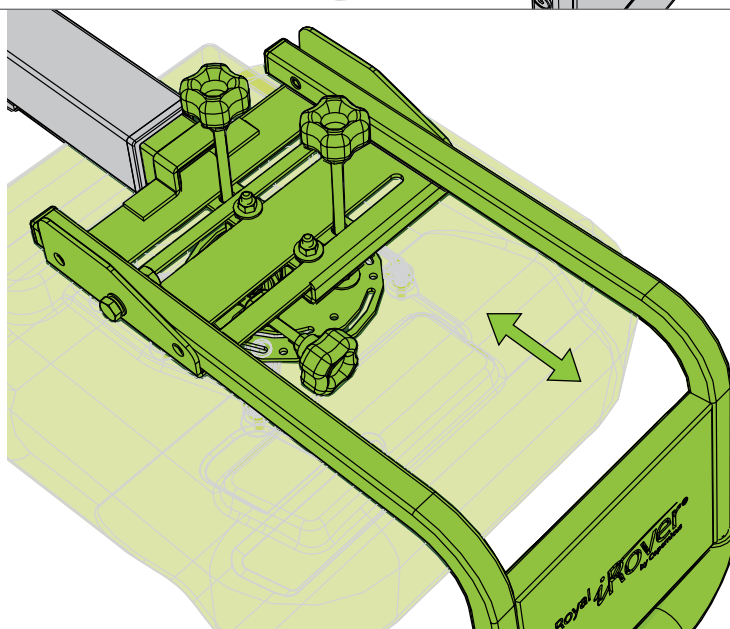
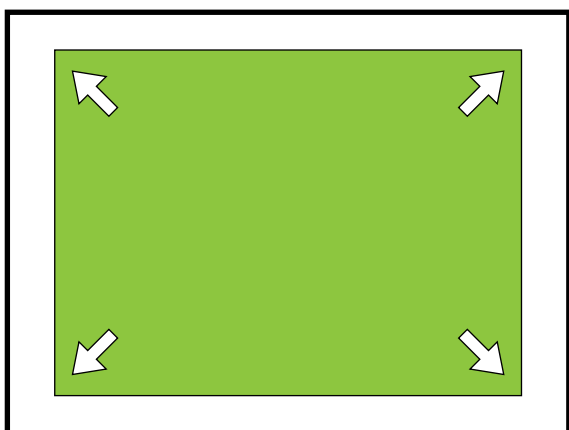
4 Align Sides of Image



5 Center Image Horizontally



... Repeat Step 1 If Necessary



27.5

Actual Size:



M6 x 30mm Bolt
4x



M6 Lock Washer
4x

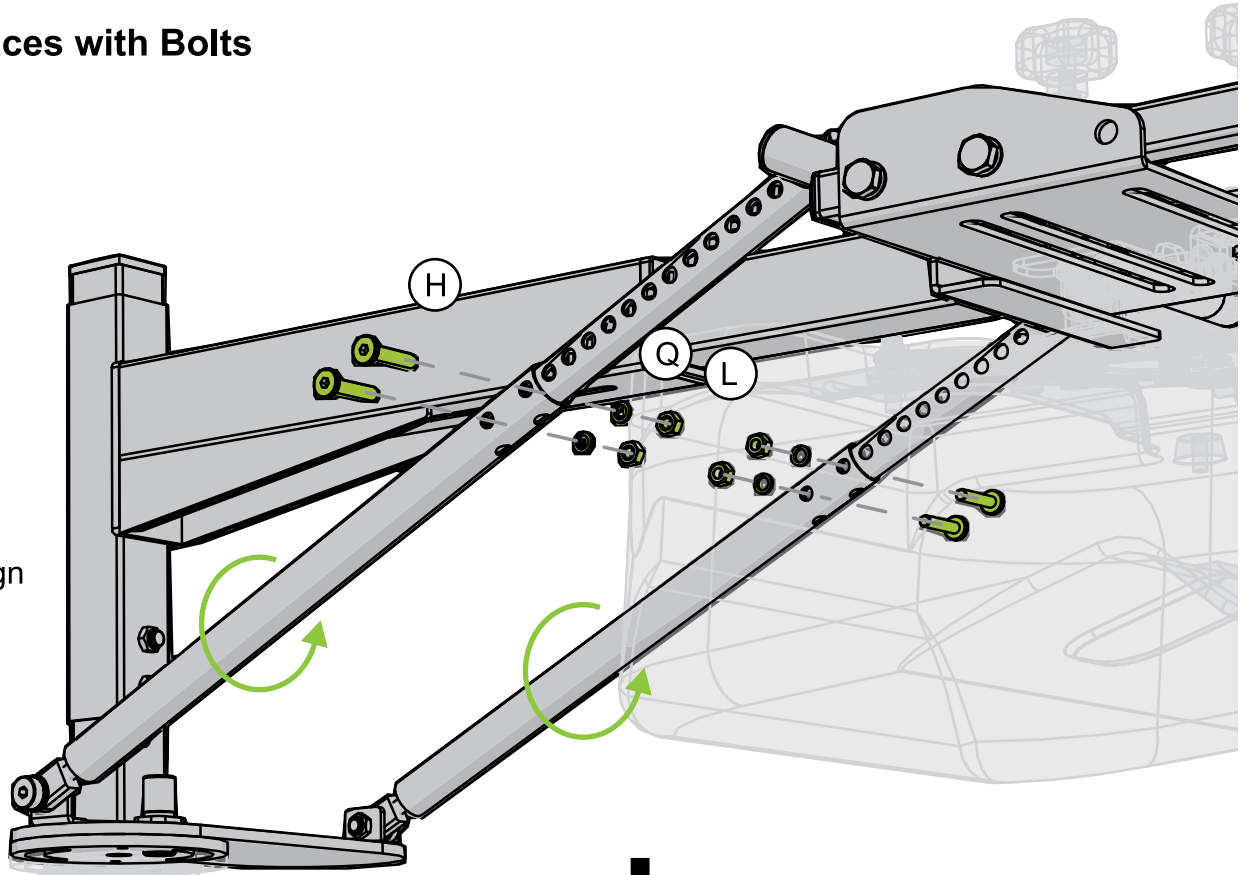


M6 Nut
4x

You will need: (Not to Scale)

Secure Braces with Bolts

! Twist to align holes



! Turn Outer Braces to align holes with Inner Brace holes and secure



! Follow Steps 28..... if you are installing a ST Projector Arm.

28.1

Actual Size:

M8 x 50mm bolt

LL

2x

S

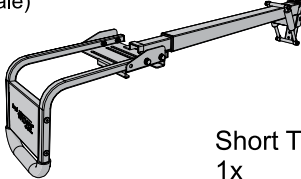
2x

R

2x

2-Person Task

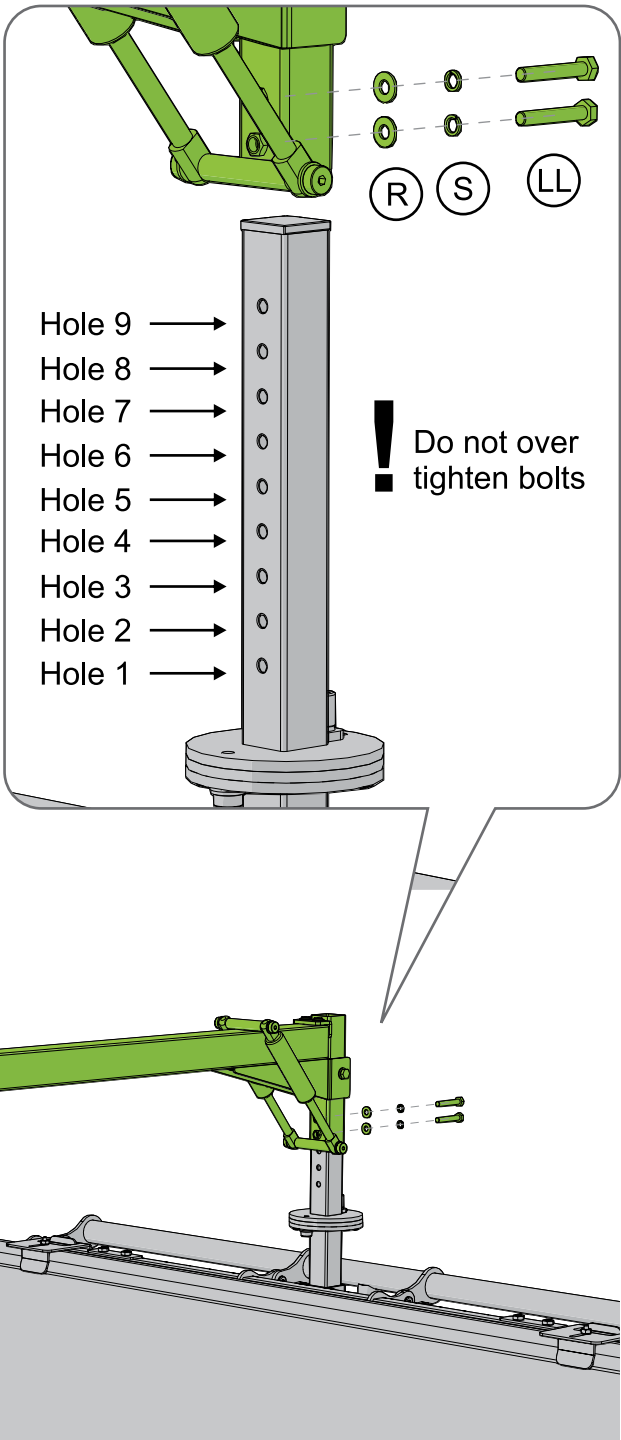
You will need: (Not to Scale)



Short Throw Projector Arm
1x

Set Projector Arm Post Height

| Short Throw Projector Arm | | | |
|---------------------------|-----------|-------------------------|------------------|
| Projector | Model | Board ("SB" = Smart) | PA Post Holes |
| BenQ | MX816ST | SB 660 | 1,2 |
| | MX816ST | SB 680 | 1,2 |
| | MX816ST | SB 880 | 1,2 |
| | MX816ST | SBM 680 | 1,2 |
| | MX816ST | Promethean 378 | 1,2 |
| | MW817ST | SB 685 | 1,2 |
| | MW817ST | SB 885 | 1,2 |
| | MW824ST | SB 685 | 1,2 |
| | MW824ST | SB 885 | 1,2 |
| Epson | MW824ST | SBM 685 | 1,2 |
| | 420 | SB 660 | 1,2 |
| | 420 | SB 680 | 1,2 |
| | 420 | SB 880 | 1,2 |
| | 420 | SBM 680 | 1,2 |
| | 420 | Promethean 378 | 1,2 |
| | 435W | SB 660 | 1,2 |
| | 435W | SB 680 | 1,2 |
| | 435W | SB 685 | 1,2 |
| Mitsubishi | 435W | SB 885 | 1,2 |
| | 435W | SBM 685 | 1,2 |
| | 436Wi | Copernicus 87" WB | 1,2 |
| | EW331U-ST | SB 660 | 1,2 |
| | EW331U-ST | SB 680 | 1,2 |
| | EW331U-ST | SB 880 | 1,2 |
| | EW331U-ST | Promethean 378 | 1,2 |
| | EW331U-ST | SB 685 | 1,2 |
| | EW331U-ST | SB 885 | 1,2 |
| NEC | M300XS | SB 660 | 1,2 |
| | M300XS | SB 680 | 1,2 |
| | M300XS | SB 880 | 1,2 |
| | M300XS | SBM 680 | 1,2 |
| | M300XS | Promethean 378 | 1,2 |
| | M300WS | SB 685 | 1,2 |
| | M300WS | SBM 685 | 1,2 |
| | M300WS | SB 885 | 1,2 |
| | M332XS | SBM 680 | 2,3 |
| Optoma | M352WS | SBM 685 | 2,3 |
| | M352WS | Promethean ABT 88 | 1,2 |
| | W306ST | SB 680 | 1,2 |
| | W306ST | SB 880 | 1,2 |
| | W306ST | SBM 680 | 1,2 |
| | W306ST | Promethean 378 | 1,2 |
| | W306ST | SB 685 | 1,2 |
| | W306ST | SB 885 | 1,2 |
| | W306ST | SBM 685 | 1,2 |
| | W316ST | SBM 685 | 1,2 |



Hole 9 →

Hole 8 →

Hole 7 →

Hole 6 →

Hole 5 →

Hole 4 →

Hole 3 →

Hole 2 →

Hole 1 →

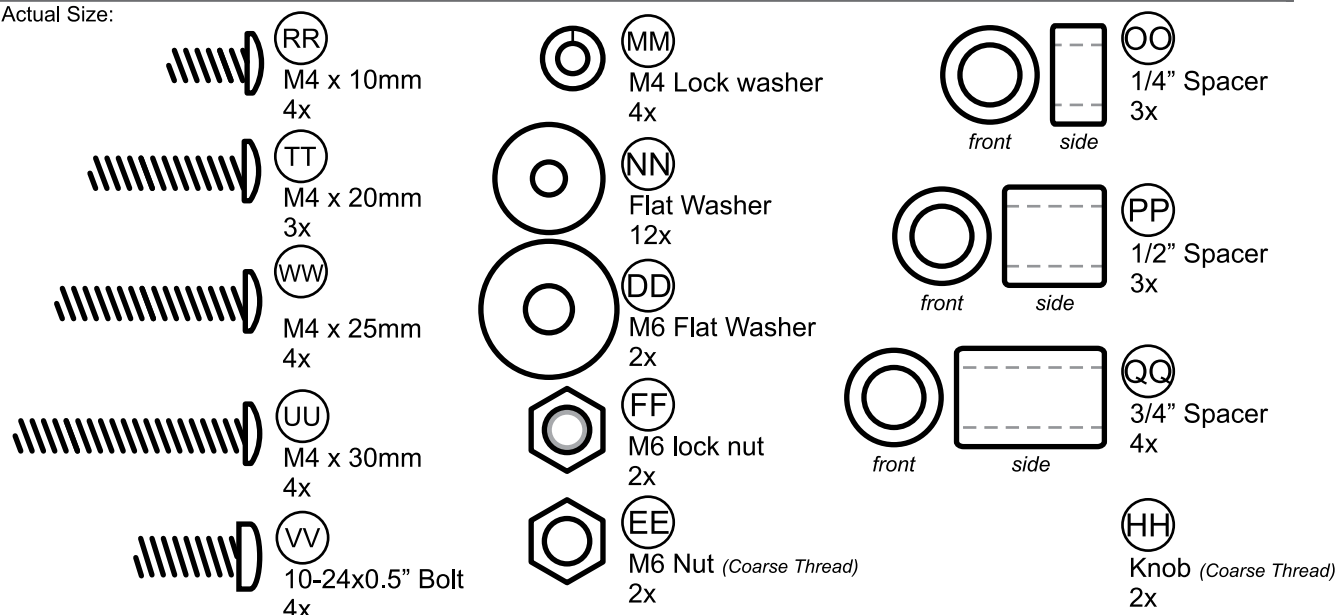
! Do not over tighten bolts

↓

p54

28.2

Actual Size:



You will need: (Not to Scale)



Spider Arm - Short
4x



Spider Arm - Medium
2x



Spider Arm - Long
2x

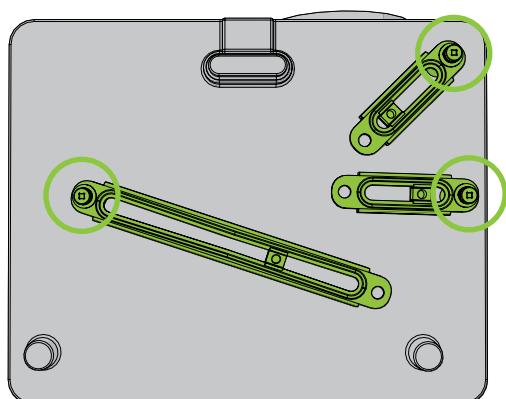
1 Attach Spider Arms

Be sure not to tighten any bolts yet, we will need the Spider Arms loose when we position our Projector Plate in the next step.

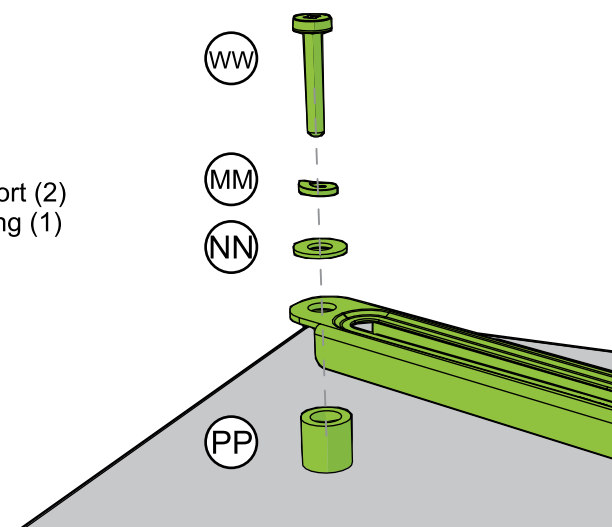
- Make sure to identify the correct projector you are installing.
- More projectors on the following pages.

Attaching Spider Arms to BenQ MX816ST/MW817ST

image projection ↑

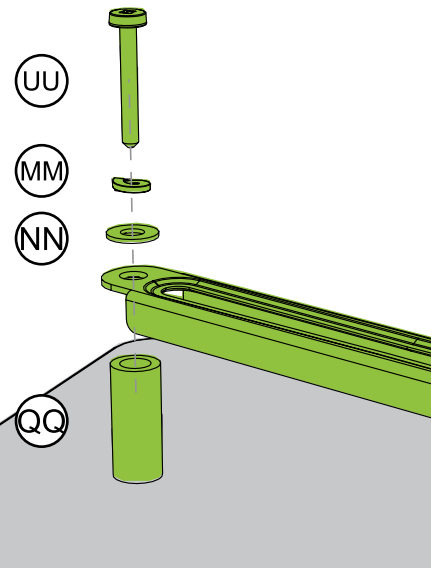
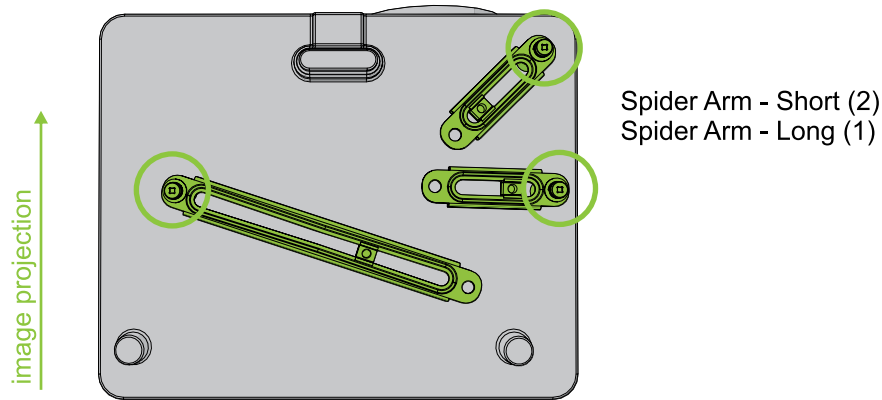


Spider Arm - Short (2)
Spider Arm - Long (1)

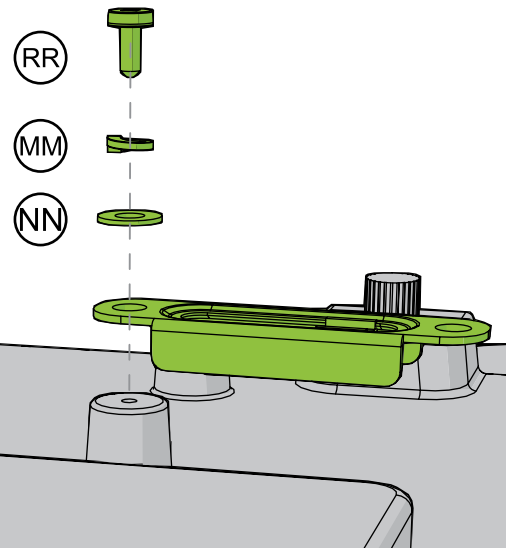
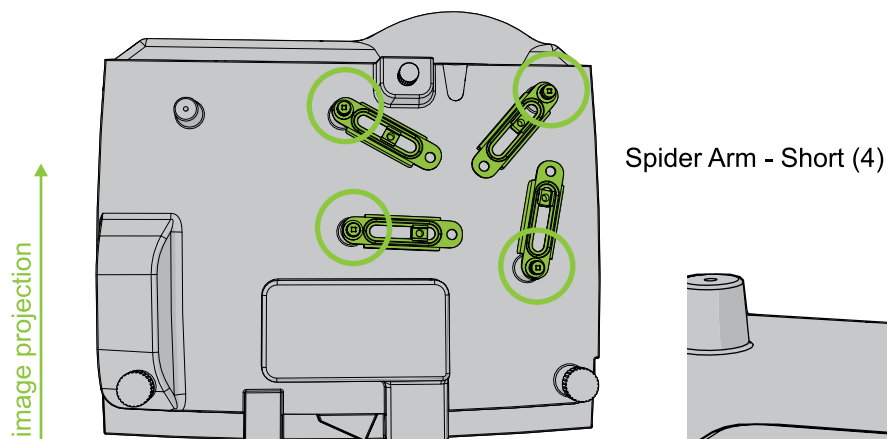


... continued

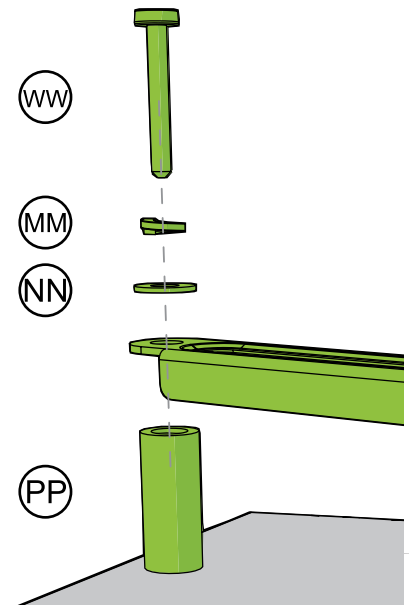
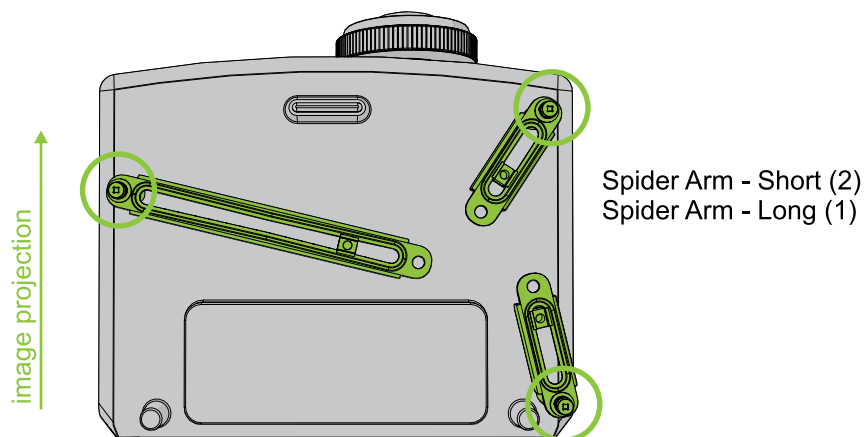
Attaching Spider Arms to BenQ MW824ST



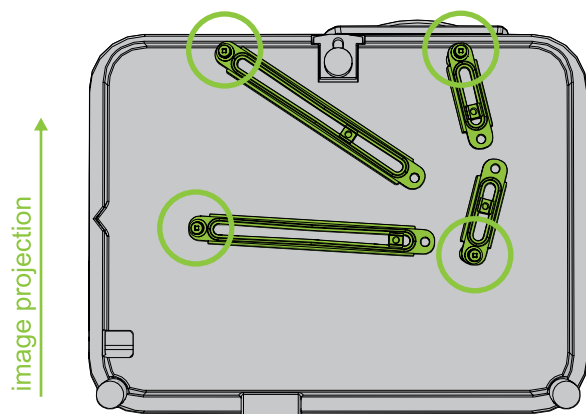
Attaching Spider Arms to Epson 420/435W



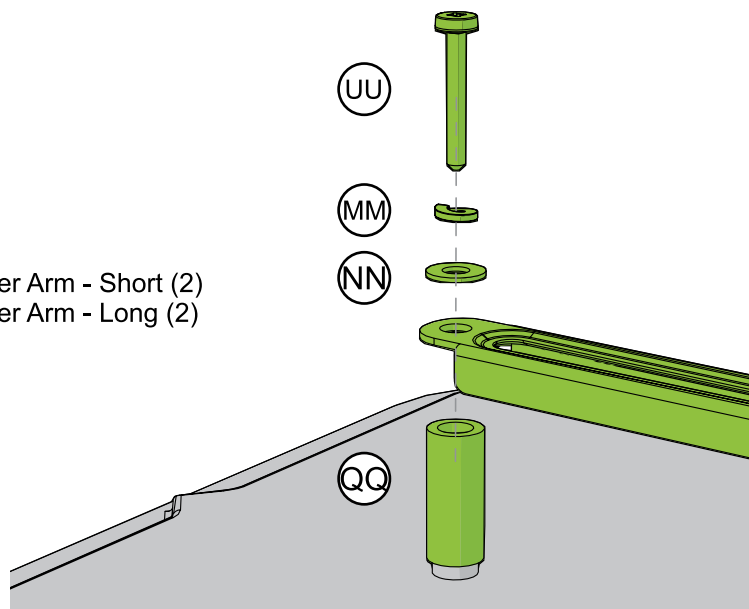
Attaching Spider Arms to Mitsubishi EW331U-ST



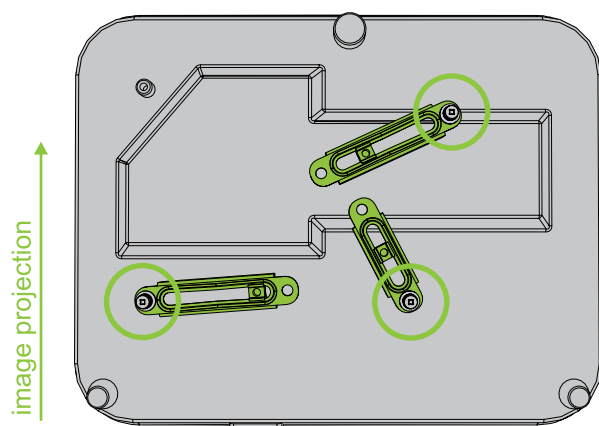
Attaching Spider Arms to NEC M300XS/M300WS



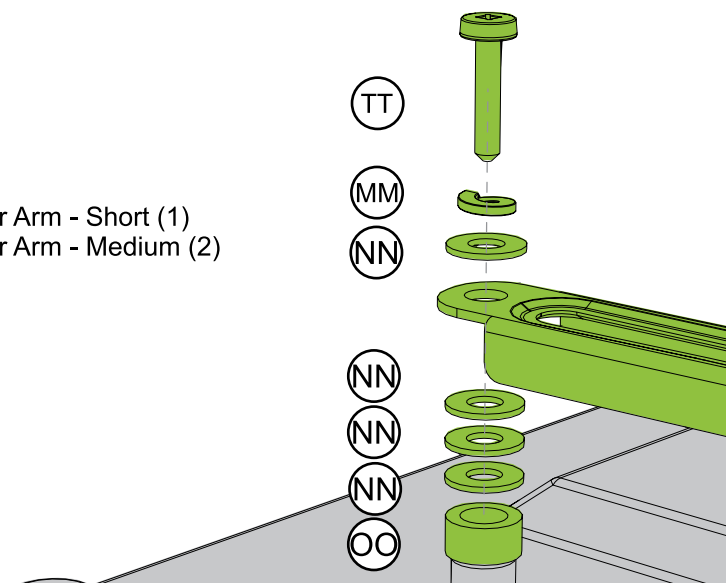
Spider Arm - Short (2)
Spider Arm - Long (2)



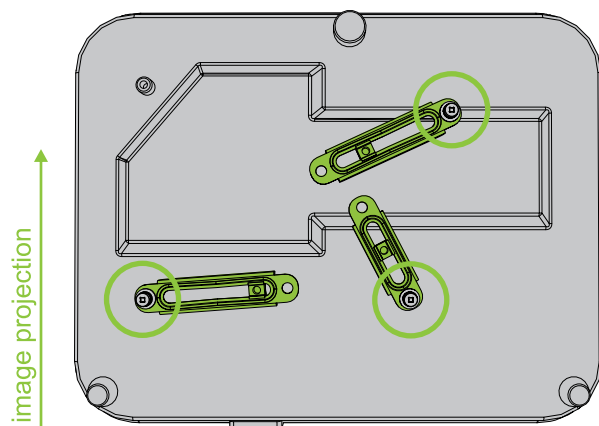
Attaching Spider Arms to NEC M332XS/M352WS



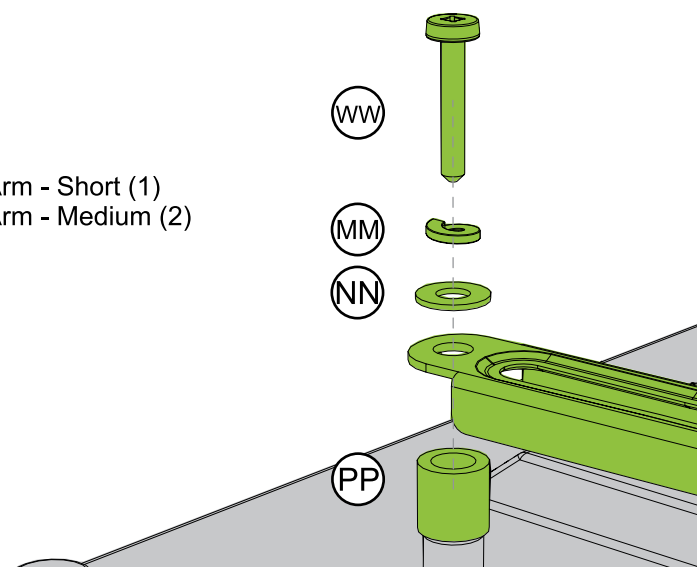
Spider Arm - Short (1)
Spider Arm - Medium (2)



Attaching Spider Arms to NEC M352WS (Promethean ABT 88 ONLY)

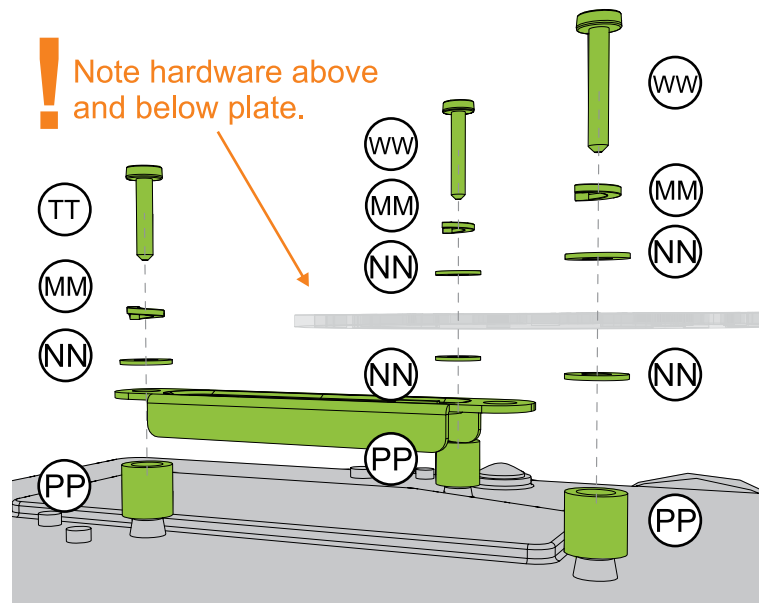
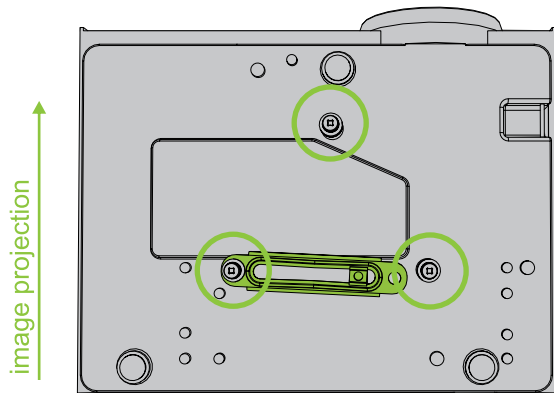


Spider Arm - Short (1)
Spider Arm - Medium (2)



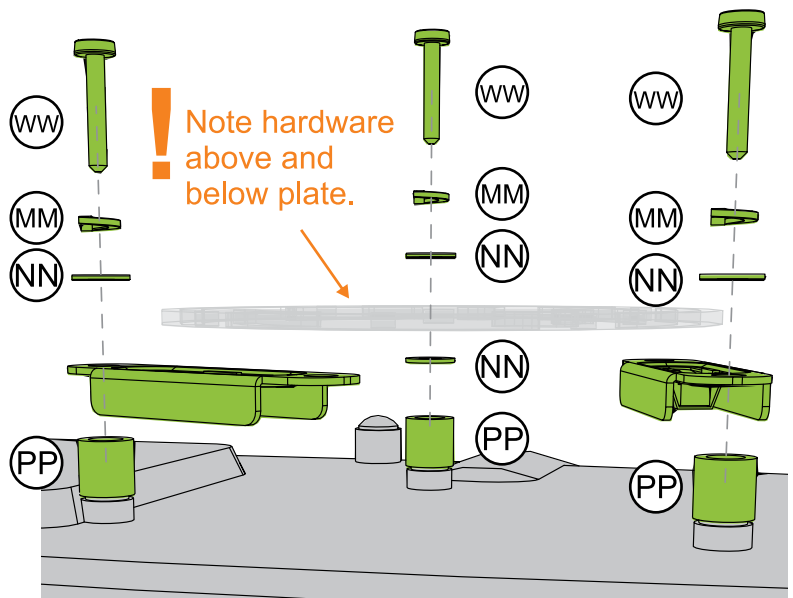
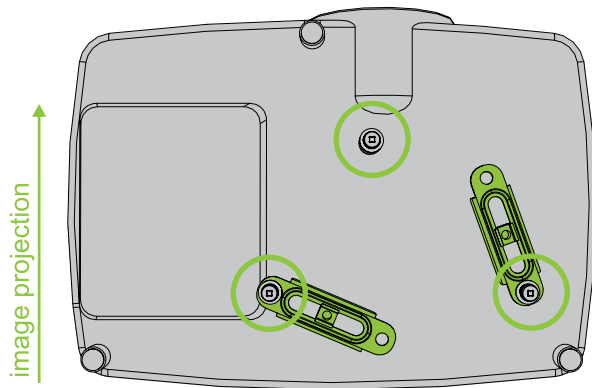
Attaching Spider Arms to Optoma W306ST

Spider Arm - Medium (1)



Attaching Spider Arms to Optoma W316ST

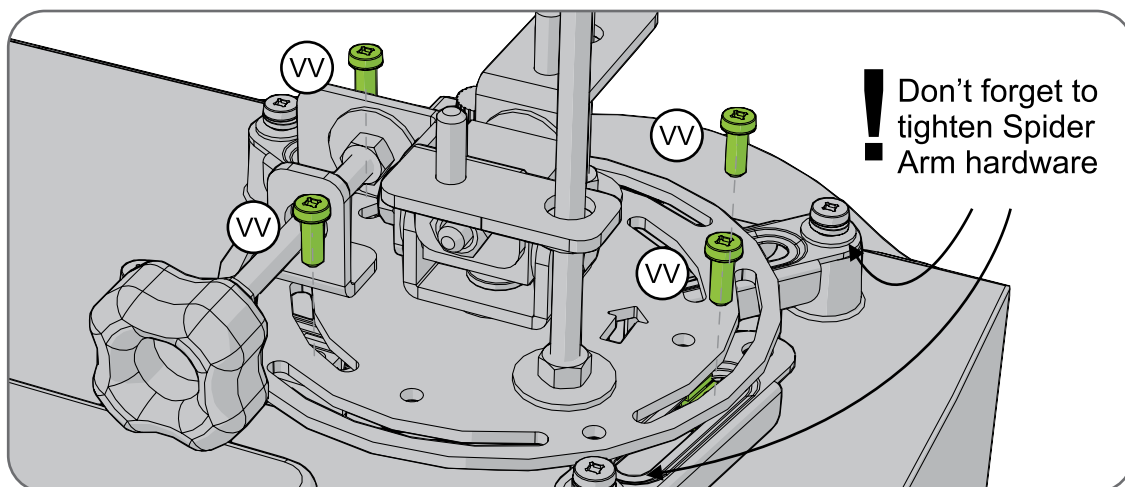
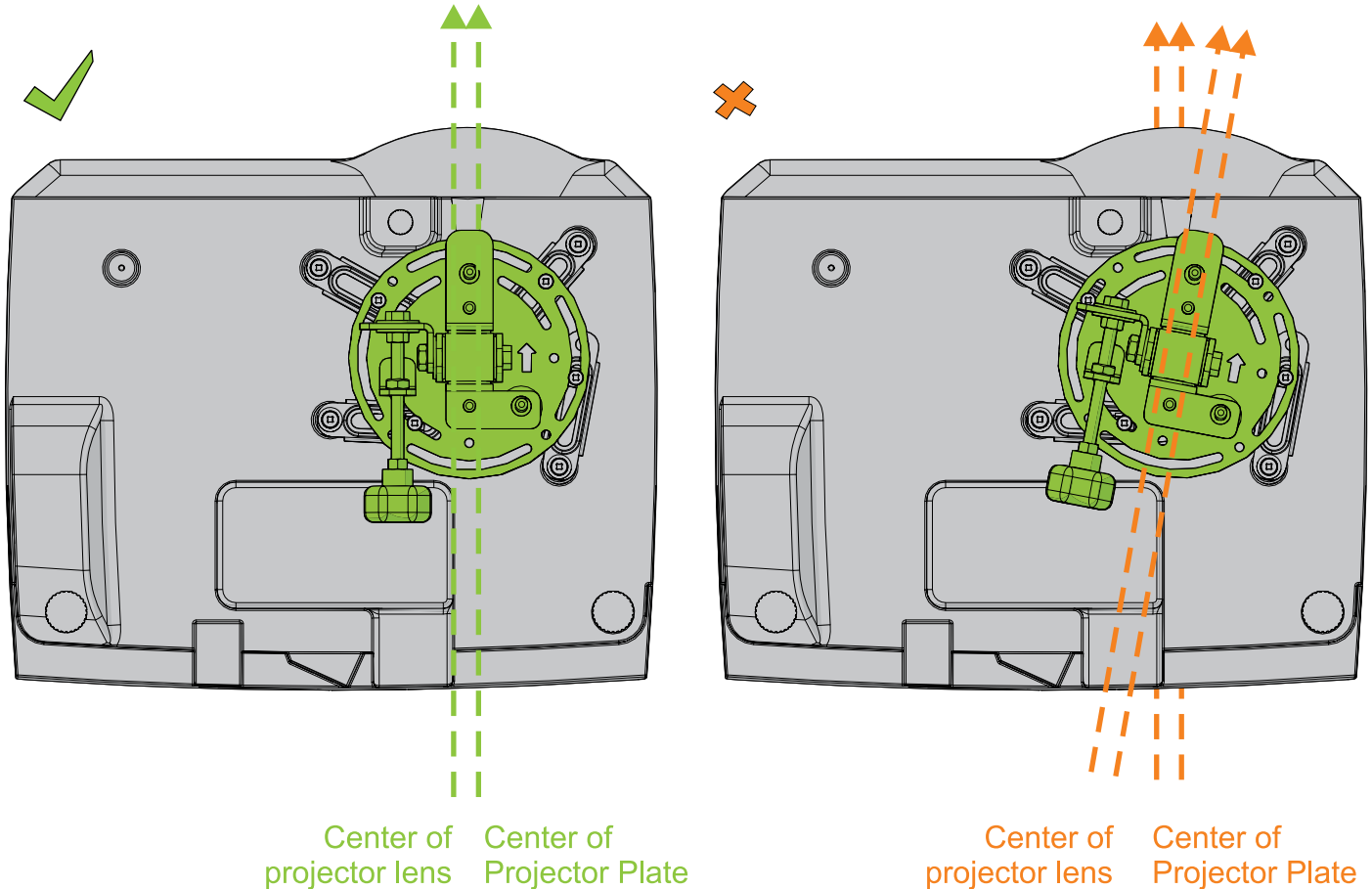
Spider Arm - Short (2)



2 Attach Projector Plate

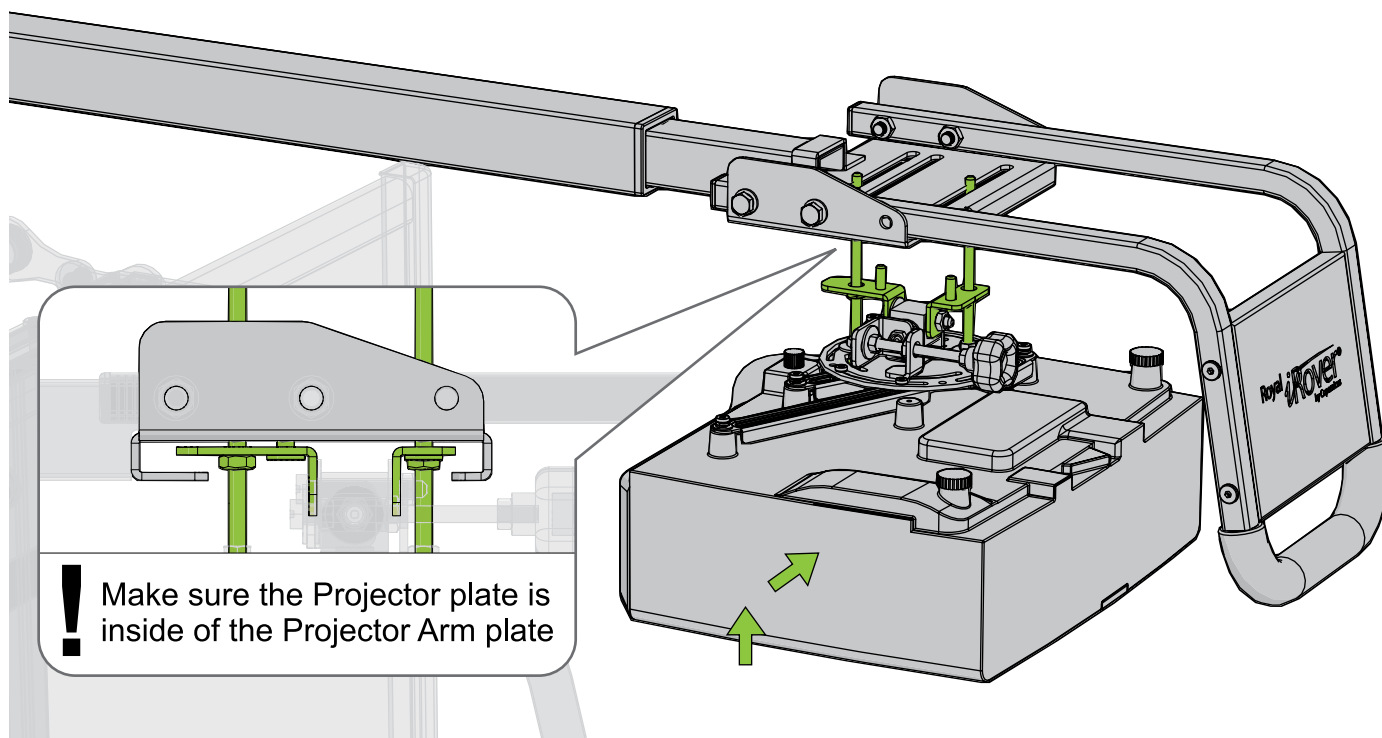
Pay attention to the alignment of the Projector Plate. Correct installation will make aligning your image later on much easier.

! MAKE SURE YOUR PROJECTOR PLATE IS PARALLEL WITH YOUR PROJECTOR



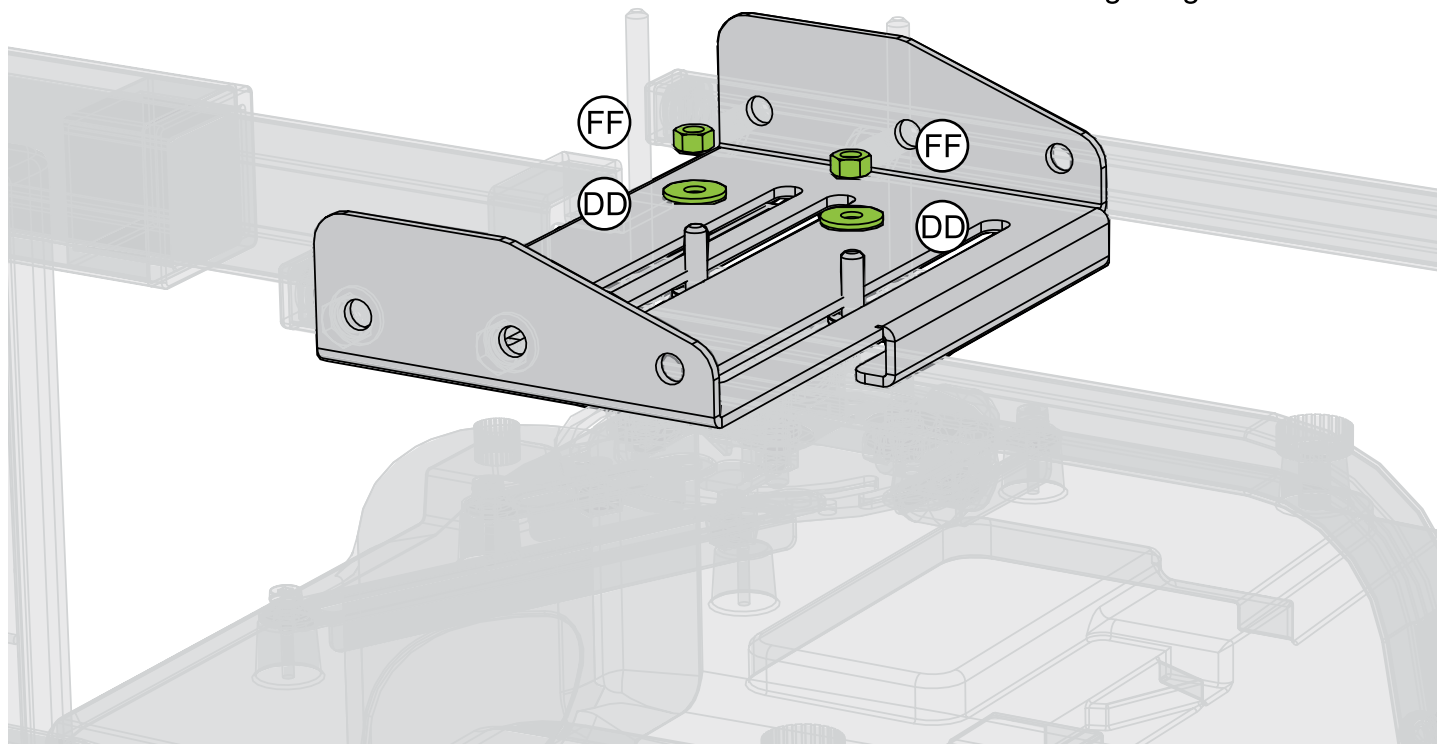
3 Attach Projector to Projector Arm

When placing in slots, align the lens of the projector so it lines up with the Projector Arm. This will help your projected image to align with the middle of your board.

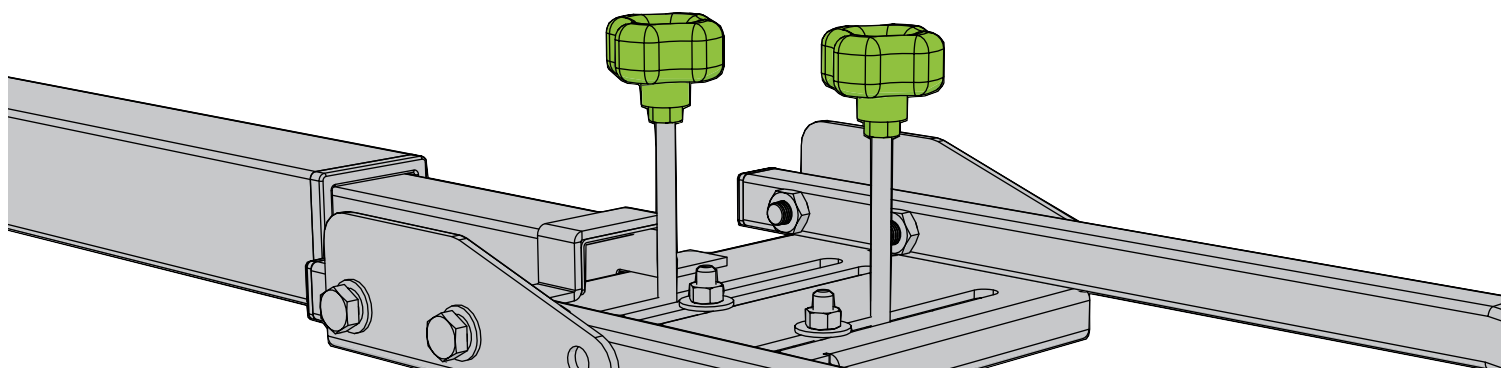
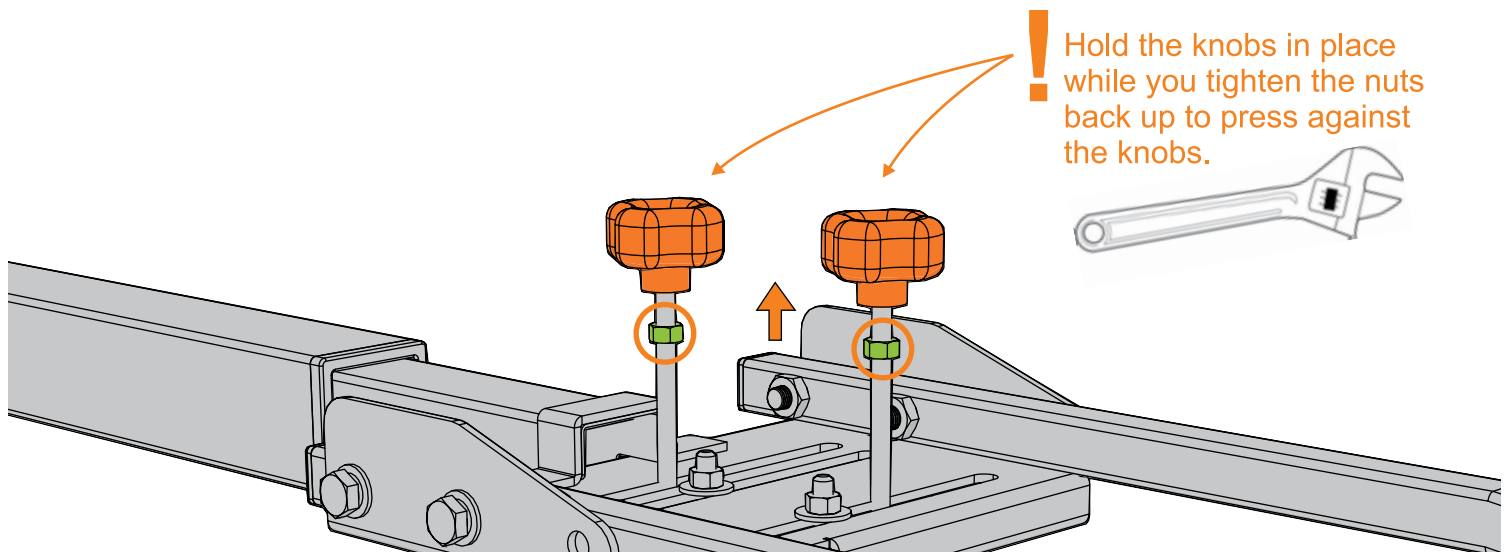
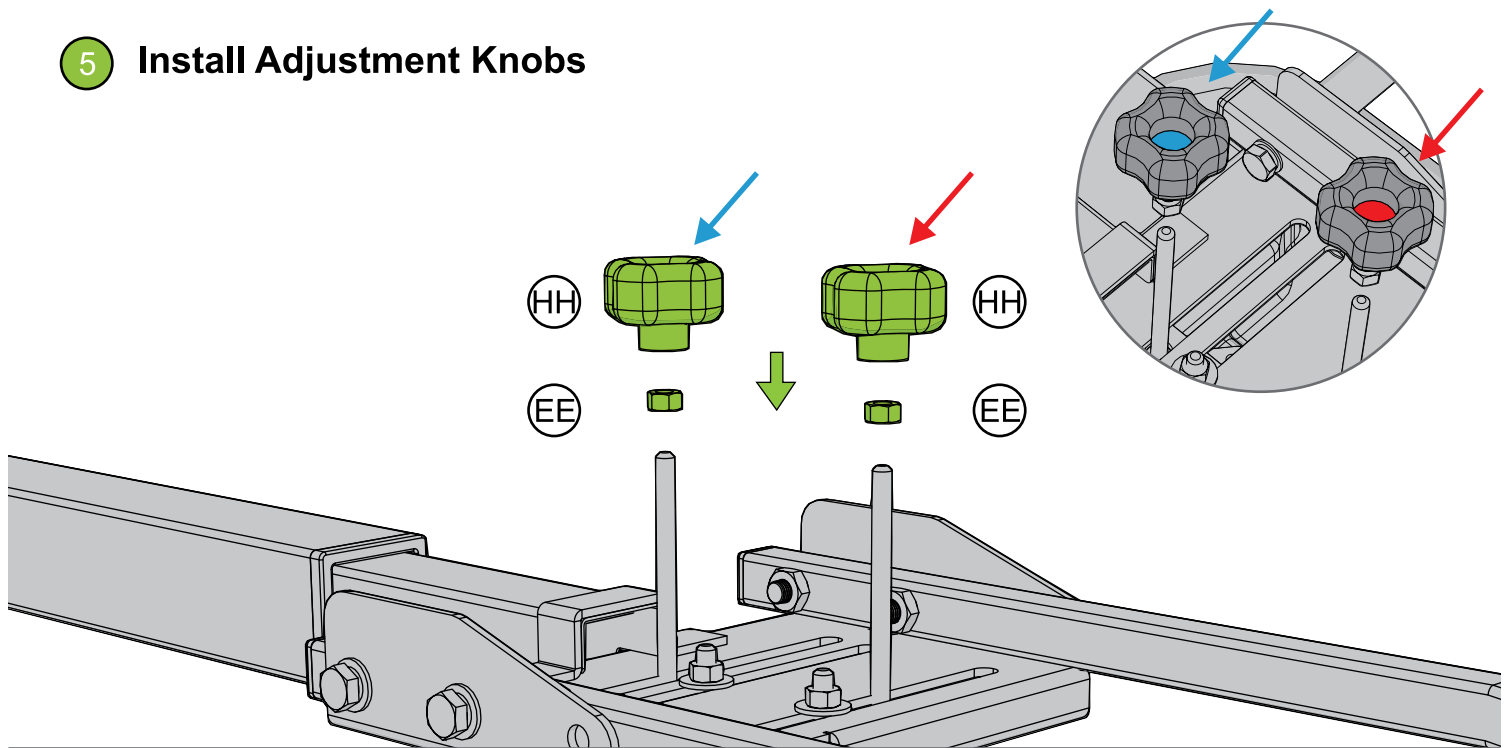


4 Secure Projector

Do not fully tighten hardware, you will need to loosen when centering image later on



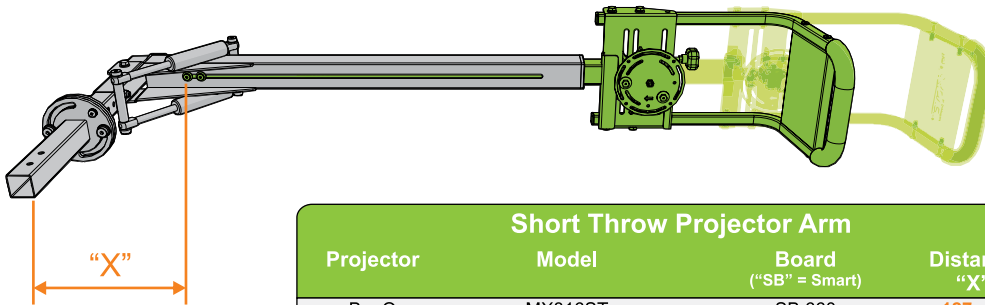
5 Install Adjustment Knobs





Align Your Image

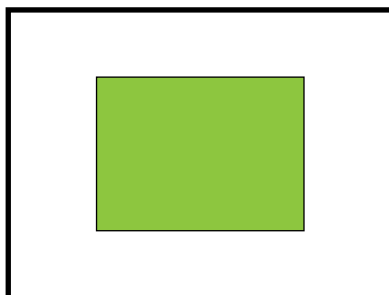
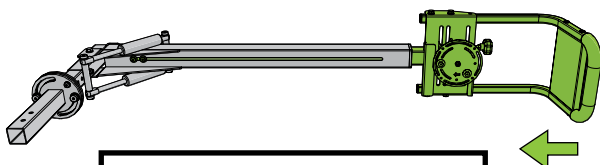
1 Adjust Size of Image Using Distance "X"



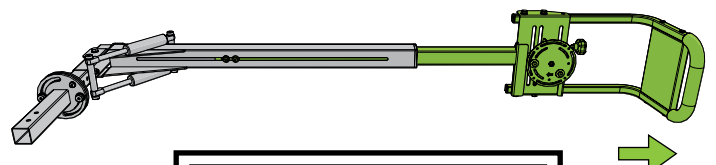
Measure from the post to the first screw.

| Short Throw Projector Arm | | | |
|---------------------------|-----------|-------------------------|-----------------|
| Projector | Model | Board ("SB" = Smart) | Distance "X" |
| BenQ | MX816ST | SB 660 | 127mm |
| | MX816ST | SB 680 | 324mm |
| | MX816ST | SB 880 | 320mm |
| | MX816ST | SBM 680 | 300mm |
| | MX816ST | Promethean 378 | 337mm |
| | MW817ST | SB 685 | 250mm |
| | MW817ST | SB 885 | 250mm |
| | MW824ST | SB 685 | 315mm |
| | MW824ST | SB 885 | 315mm |
| Epson | MW824ST | SBM 685 | 311mm |
| | 420 | SB 660 | 158mm |
| | 420 | SB 680 | 210mm |
| | 420 | SB 880 | 202mm |
| | 420 | SBM 680 | 184mm |
| | 420 | Promethean 378 | 217mm |
| | 435W | SB 660 | 145mm |
| | 435W | SB 680 | 281mm |
| | 435W | SB 685 | 258mm |
| Mitsubishi | 435W | SB 885 | 241mm |
| | 435W | SBM 685 | 225mm |
| | 436Wi | Copernicus 87" WB | 266mm |
| | EW331U-ST | SB 660 | 115mm |
| | EW331U-ST | SB 680 | 282mm |
| | EW331U-ST | SB 880 | 275mm |
| | EW331U-ST | Promethean 378 | 313mm |
| | EW331U-ST | SB 685 | 285mm |
| | EW331U-ST | SB 885 | 280mm |
| NEC | M300XS | SB 660 | 82mm |
| | M300XS | SB 680 | 172mm |
| | M300XS | SB 880 | 170mm |
| | M300XS | SBM 680 | 153mm |
| | M300XS | Promethean 378 | 185mm |
| | M300WS | SB 685 | 305mm |
| | M300WS | SBM 685 | 285mm |
| | M300WS | SB 885 | 305mm |
| | M332XS | SBM 680 | 212mm |
| Optoma | M352WS | SBM 685 | 176mm |
| | M352WS | Promethean ABT 88 | 184mm |
| | W306ST | SB 680 | 312mm |
| | W306ST | SB 880 | 299mm |
| | W306ST | SBM 680 | 295mm |
| | W306ST | Promethean 378 | 321mm |
| | W306ST | SB 685 | 307mm |
| | W306ST | SB 885 | 303mm |
| | W306ST | SBM 685 | 300mm |
| | W316ST | SBM 685 | 309mm |

... continued on next page



Make Image Smaller

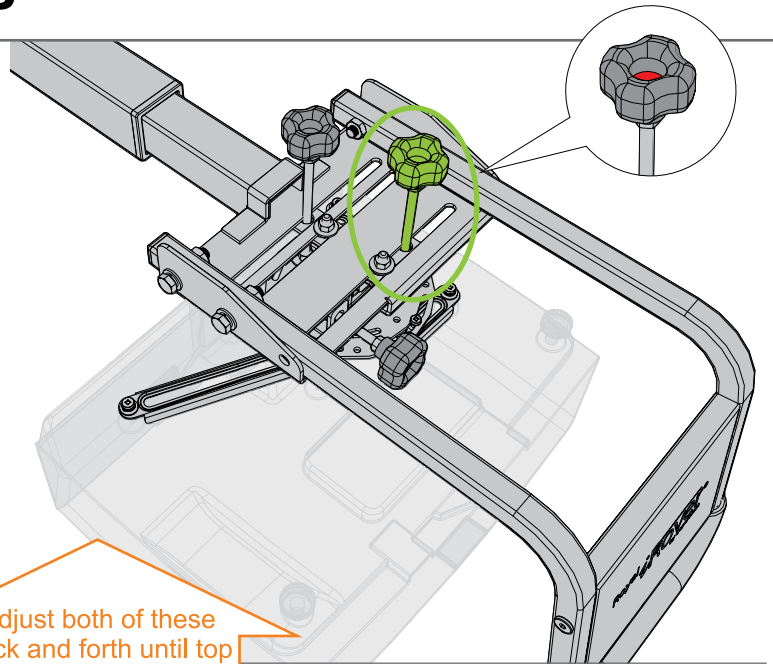
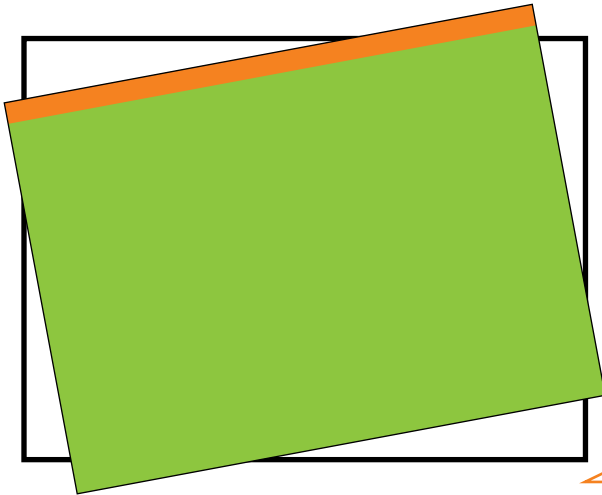


Make Image Larger



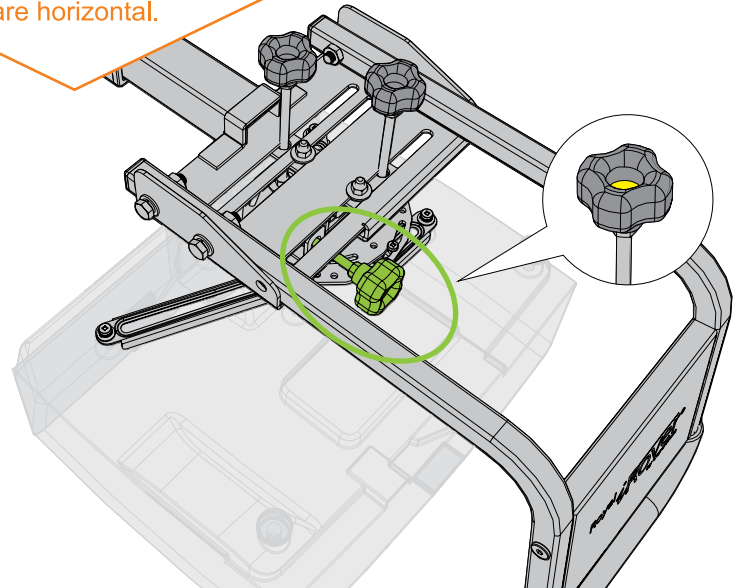
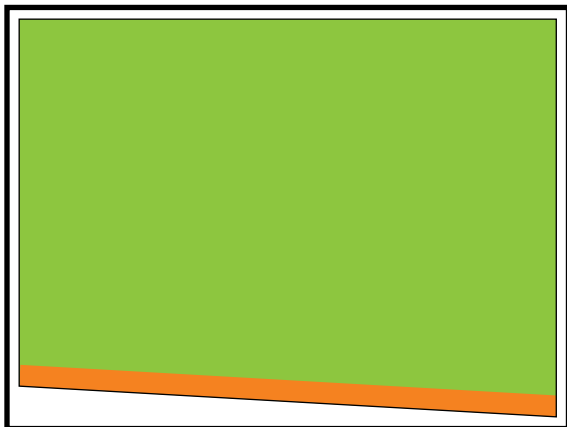
Align Your Image

2 Align Top of Image

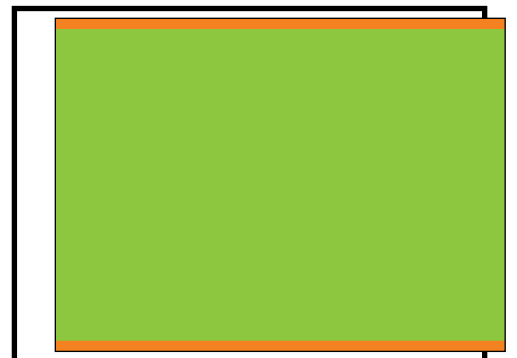
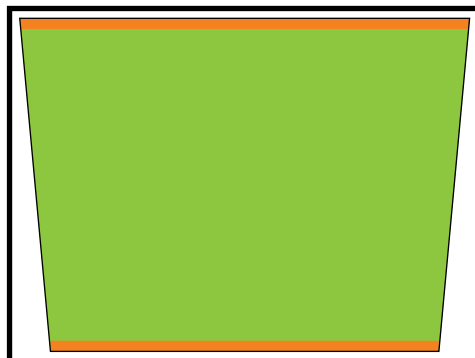
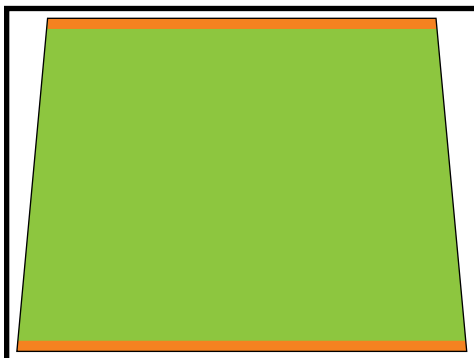


Adjust both of these
back and forth until top
AND bottom of image
are horizontal.

3 Align Bottom of Image



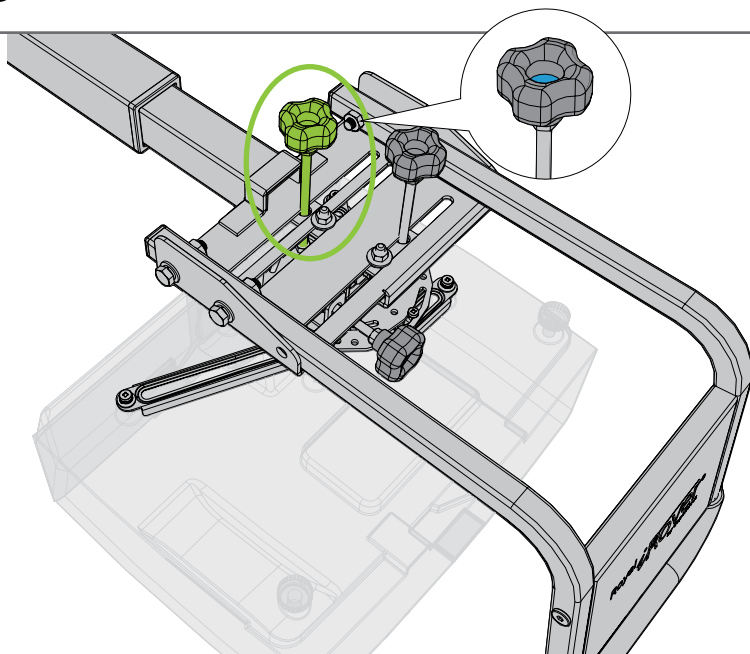
Our Goal: to align top and bottom of image, only once we achieve this we move onto aligning the sides of the image.



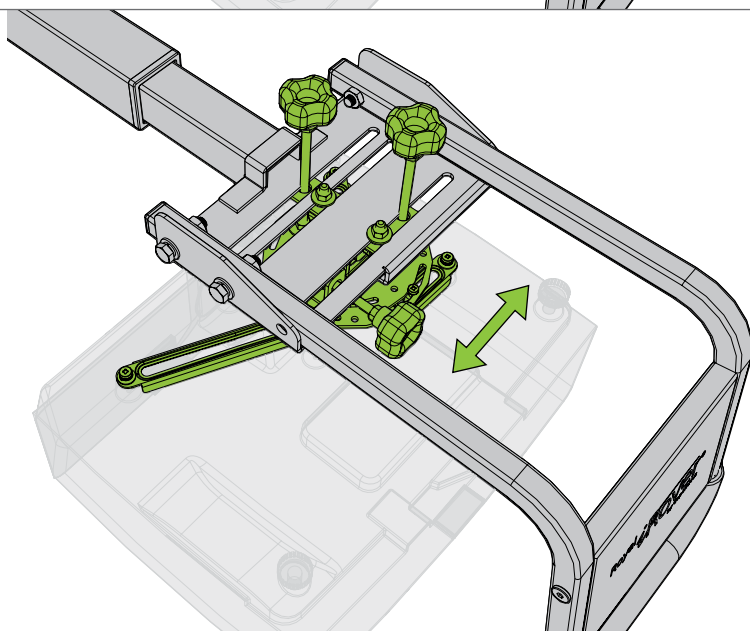
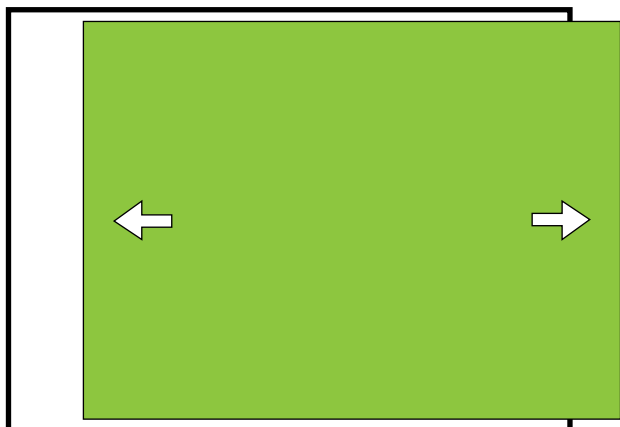


Align Your Image

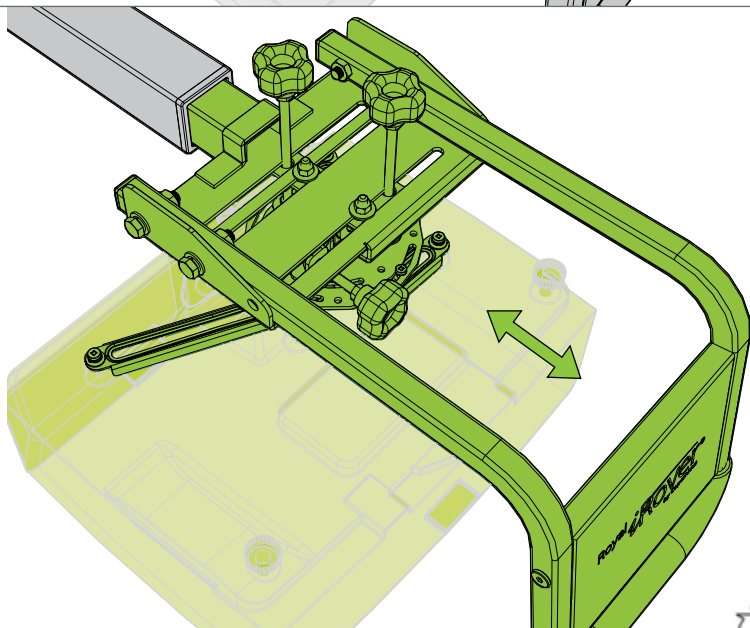
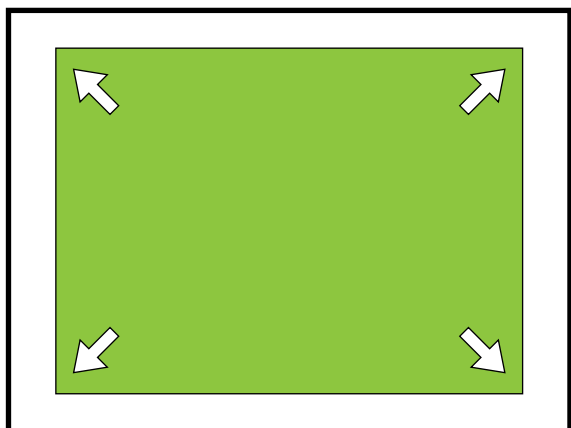
4 Align Sides of Image



5 Center Image Horizontally



... Repeat Step 1 If Necessary



| Ultra Short Throw Projector Arm | | | | | | | | |
|---------------------------------|-------------------------------|-------------------------|----------------|-----------------|------------------|-------------------------|----------------|--|
| Projector | Model | Board ("SB" = Smart) | Board Frame | Distance "X" | PA Post Holes | Projector Screw Size | Spacer Size | Projector Settings |
| BenQ | MX850U-ST | SB 660 | i | 128mm | 4,5 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +2 |
| | MX850U-ST | SB 680 | A | 237mm | 7,8 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +3 |
| | MX850U-ST | SB 880 | A | 233mm | 8,9 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +3 |
| | MX850U-ST | SBM 680 | A | 187mm | 7,8 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +3 |
| | MX850U-ST | Promethean 378 | A | 252mm | 8,9 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +3 |
| | MW851U-ST | SB 680 | A | 221mm | 5,6 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +1 |
| | MW851U-ST | SB 880 | A | 207mm | 6,7 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +2 |
| | MW851U-ST | SB 685 | A | 221mm | 5,6 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +1 |
| | MW851U-ST | SB 885 | A | 207mm | 6,7 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +2 |
| | MW851U-ST | SBM 685 | A | 166mm | 5,6 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +1 |
| Epson | MW843U-ST | SBM 685 | A | 209mm | 5,6 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: 0 |
| | 470 / 480 / 570 / 580 | SB 660 | I | 79mm | 2,3 | M4 x 15mm | 1/4" spacer | Zoom: 12 tele clicks, Keystone: 0 |
| | 470 / 480 / 570 / 580 | SB 680 | A | 142mm | 2,3 | M4 x 15mm | 1/4" spacer | Zoom: 4 tele clicks, Keystone: 0 |
| | 470 / 480 / 570 / 580 | SB 880 | A | 151mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | 470 / 480 / 570 / 580 | SBM680 | A | 137mm | 2,3 | M4 x 15mm | 1/4" spacer | Zoom: 4 tele clicks, Keystone: 0 |
| | 470 / 480 / 570 / 580 | Promethean 378 | A | 168mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | 470 / 480 / 570 / 580 | Promethean ABT 78 | A | 125mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | 470i / 480i | Copernicus 77" WB | C | 137mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 2 tele clicks, Keystone: 0 |
| | 475W / 485W / 575W / 585W | SB 660 | I | 90mm | 2,3 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | 475W / 485W / 575W / 585W | SB 680 | A | 170mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | 475W / 485W / 575W / 585W | SBM 680 | A | 165mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | 475W / 485W / 575W / 585W | SB 685 | A | 161mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | 475W / 485W / 575W / 585W | SB 885 | A | 154mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | 475W / 485W / 575W / 585W | SBM 685 | A | 151mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | 475W / 485W / 575W / 585W | Promethean ABT 88 | A | 143mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | 475Wi / 485Wi / 575Wi / 585Wi | Copernicus 87" WB | C | 155mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | 475Wi / 485Wi / 575Wi / 585Wi | Egan 90" WB | B | 170mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: 2 tele clicks, Keystone: 0 |
| Hitachi | *595Wi | Copernicus 87" WB | C | 155mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: 3 tele clicks, Keystone: 0 |
| | CP-A220N | SB 660 | i | 78mm | 7,8 | M4 x 10mm | no spacer | Zoom: 84.7%, Keystone: 0 |
| | CP-A220N | SB 680 | A | 94mm | 4,5 | M4 x 10mm | no spacer | Zoom: 99.2%, Keystone: 0 |
| | CP-A220N | SB 880 | A | 90mm | 5,6 | M4 x 10mm | no spacer | Zoom: 99.8%, Keystone: 0 |
| | CP-A220N | SBM 680 | A | 85mm | 4,5 | M4 x 10mm | no spacer | Zoom: 99.2%, Keystone: 0 |
| | CP-A220N | Promethean 378 | A | 121mm | 5,6 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-A220N | Promethean ABT 78 | A | 70mm | 5,6 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-A301N | SB 660 | i | 75mm | 7,8 | M4 x 10mm | no spacer | Zoom: 85.9%, Keystone: 0 |
| | CP-A301N | SB 680 | A | 87mm | 4,5 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-A301N | SB 880 | A | 88mm | 5,6 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-A301N | Promethean 378 | A | 116mm | 5,6 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-AW252N | SB 685 | A | 187mm | 7,8 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-AW252N | SB 885 | A | 187mm | 8,9 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-AW252N | SBM 685 | A | 175mm | 7,8 | M4 x 10mm | no spacer | Zoom: 0, Keystone: 0 |
| | CP-AX2503/CP-AX3503 | SB 680 | A | 93mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: 0, Keystone: 0 |
| | CP-AX2503/CP-AX3503 | SBM 680 | A | 93mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: 0, Keystone: 0 |
| | CP-AX2503/CP-AX3503 | Promethean ABT 78 | A | 93mm | 2,3 | M4 x 25mm | 1/2" spacer | Zoom: 0, Keystone: 0 |
| | CP-AW2503 | SB 685 | A | 203mm | 8,9 | M4 x 25mm | 1/2" spacer | Zoom: 90% (#317), Keystone: 0 |
| | CP-AW2503 | SB 885 | A | 216mm | 8,9 | M4 x 25mm | 1/2" spacer | Zoom: 98.4% (#315), Keystone: 0 |
| | CP-AW2503 | SBM 685 | A | 199mm | 8,9 | M4 x 25mm | 1/2" spacer | Zoom: 0, Keystone: 0 |
| NEC | CP-AW2503 | Promethean ABT 88 | A | 185mm | 8,9 | M4 x 25mm | 1/2" spacer | Zoom: 0, Keystone: 0 |
| | UM330X | SB 660 | i | 98mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 88, Keystone: 0 |
| | UM330X | SB 680 | A | 131mm | 2,3 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330X | SBM 680 | A | 131mm | 2,3 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330X | SB 880 | A | 123mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330X | Promethean 378 | A | 146mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330W | SB 685 | A | 238mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330W | SBM 685 | A | 218mm | 4,5 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330W | SB 885 | A | 238mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: 0 |
| | UM330W | MimioBoard ME-87 | B | 249mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: 0, Keystone: -1 |
| Smart | UF75W | SB 680 | A | 101mm | 5,6 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: NA |
| | UF75W | SB 880 | A | 100mm | 6,7 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: NA |
| | UF75W | SBM 680 | A | 91mm | 5,6 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: NA |
| | UF75W | SB 685 | A | 101mm | 5,6 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: NA |
| | UF75W | SB 885 | A | 100mm | 6,7 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: NA |
| | UF75W | SBM 685 | A | 91mm | 5,6 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: NA |
| | LightRaise 40Wi | Copernicus 77" WB | C | 121mm | 7,8 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +7 |
| | LightRaise 40Wi | Copernicus 87" WB | C | 119mm | 7,8 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +5 |
| | UF70W | SB 685 | A | 216mm | 5,6 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| | UF70W | SB 885 | A | 211mm | 6,7 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| | UF70W | SBM 685 | A | 205mm | 5,6 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| | UF70 | SB 680 | A | 235mm | 7,8 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -2 |
| | UF70 | SB 880 | A | 243mm | 8,9 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | UF70 | SBM 680 | A | 235mm | 7,8 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| | U100 | SBM680 | A | 140mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| Casio | XJ-UT310WN | SBM680 | A | 194mm | 5,6 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: 0 |
| | XJ-UT310WN | SBM685 | A | 194mm | 5,6 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: 0 |
| Optoma | W307UST | SB 680 | A | 221mm | 6,7 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: 0 |
| | W307UST | SB 880 | A | 227mm | 7,8 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: 0 |
| | W307UST | SBM 680 | A | 206mm | 6,7 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: 0 |
| | W307UST | Promethean 378 | A | 245mm | 7,8 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: 0 |
| | W307UST | SB 685 | A | 172mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: -2 |
| | W307UST | SB 885 | A | 179mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: 0 |
| | W307UST | SBM 685 | A | 171mm | 5,6 | M4 x 15mm | 1/4" spacer | Zoom: NA, Keystone: -1 |
| Promethean | UST-P1 | Promethean ABT 78 | A | 235mm | 6,7 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -2 |
| | UST-P1 | Promethean ABT 88 | A | 224mm | 4,5 | M4 x 20mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| Sony | VPL-SW536 | VPL-SW536 | A | 96mm | 3,4 | M4 x 15mm | 1/4" spacer | Zoom: manual, Keystone: 0 (see next page for details) |
| | VPL-SW536 | VPL-SW536 | A | 96mm | 3,4 | M4 x 15mm | 1/4" spacer | |
| | VPL-SW536 | VPL-SW536 | A | 92mm | 3,4 | M4 x 15mm | 1/4" spacer | |
| | VPL-SW536 | VPL-SW536 | A | 120mm | 3,4 | M4 x 15mm | 1/4" spacer | |

*Epson 595Wi projector must be ordered with bracket (IWB-BK595) in order to mount touch module for finger touch interactivity.

Don't see your projector & board combination here?
Give our Customer Solution Ninjas a shout and they'll help you out.



Short Throw Projector Arm

| Projector | Model | Board ("SB" = Smart) | Board Frame | Distance "X" | PA Post Holes | Projector Screw Size | Spacer Size | Projector Settings |
|------------|-----------|-------------------------|----------------|-----------------|------------------|-------------------------|----------------|----------------------------------|
| BenQ | MX816ST | SB 660 | L | 127mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |
| | MX816ST | SB 680 | C | 324mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | MX816ST | SB 880 | B | 320mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | MX816ST | SBM 680 | C | 300mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | MX816ST | Promethean 378 | B | 337mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | MW817ST | SB 685 | E | 250mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | MW817ST | SB 885 | D | 250mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | MW824ST | SB 685 | E | 315mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +2 |
| | MW824ST | SB 885 | D | 315mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +2 |
| | MW824ST | SBM 685 | E | 311mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: NA, Keystone: +2 |
| Epson | 420 | SB 660 | J | 158mm | 1,2 | M4 x 10mm | no spacer | Zoom: 19 tele click, Keystone: 0 |
| | 420 | SB 680 | D | 210mm | 1,2 | M4 x 10mm | no spacer | Zoom: 2 tele click, Keystone: 0 |
| | 420 | SB 880 | C | 202mm | 1,2 | M4 x 10mm | no spacer | Zoom: 2 tele click, Keystone: 0 |
| | 420 | SBM 680 | D | 184mm | 1,2 | M4 x 10mm | no spacer | Zoom: 0 tele click, Keystone: 0 |
| | 420 | Promethean 378 | C | 217mm | 1,2 | M4 x 10mm | no spacer | Zoom: 0 tele click, Keystone: 0 |
| | 435W | SB 660 | J | 145mm | 1,2 | M4 x 10mm | no spacer | Zoom: 0 tele click, Keystone: 0 |
| | 435W | SB 680 | C | 281mm | 1,2 | M4 x 10mm | no spacer | Zoom: 2 tele click, Keystone: +2 |
| | 435W | SB 685 | C | 258mm | 1,2 | M4 x 10mm | no spacer | Zoom: 0 tele click, Keystone: +1 |
| | 435W | SB 885 | B | 241mm | 1,2 | M4 x 10mm | no spacer | Zoom: 0 tele click, Keystone: 0 |
| | 435W | SBM 685 | C | 225mm | 1,2 | M4 x 10mm | no spacer | Zoom: 0 tele click, Keystone: +1 |
| Mitsubishi | 436Wi | Copernicus 87" WB | C | 266mm | 1,2 | M4 x 10mm | no spacer | Zoom: 3 tele click, Keystone: 0 |
| | EW331U-ST | SB 660 | L | 115mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -5 |
| | EW331U-ST | SB 680 | E | 282mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | EW331U-ST | SB 880 | D | 275mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | EW331U-ST | Promethean 378 | D | 313mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | EW331U-ST | SB 685 | E | 285mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| | EW331U-ST | SB 885 | D | 280mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: -3 |
| NEC | M300XS | SB 660 | L | 82mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 85%, Keystone: 0 |
| | M300XS | SB 680 | E | 172mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 92%, Keystone: -2 |
| | M300XS | SB 880 | D | 170mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 92%, Keystone: -2 |
| | M300XS | SBM 680 | E | 153mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 95%, Keystone: -2 |
| | M300XS | Promethean 378 | D | 185mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 93%, Keystone: -2 |
| | M300WS | SB 685 | B | 305mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 97%, Keystone: 0 |
| | M300WS | SBM 685 | B | 285mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 97%, Keystone: 0 |
| | M300WS | SB 885 | A | 305mm | 1,2 | M4 x 30mm | 3/4" spacer | Zoom: 97%, Keystone: 0 |
| | M332XS | SBM 680 | C | 212mm | 2,3 | M4 x 20mm | 1/4" spacer | Zoom: 0, Keystone: -1 |
| | M352WS | SBM 685 | C | 176mm | 2,3 | M4 x 20mm | 1/4" spacer | Zoom: 0, Keystone: -3 |
| Optoma | M352WS | Promethean ABT 88 | B | 184mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: 0, Keystone: -1 |
| | W306ST | SB 680 | B | 312mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W306ST | SB 880 | A | 299mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W306ST | SBM 680 | A | 295mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W306ST | Promethean 378 | A | 321mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W306ST | SB 685 | A | 307mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W306ST | SB 885 | A | 303mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W306ST | SBM 685 | A | 300mm | 1,2 | M4 x 20mm-25mm | 1/2" spacer | Zoom: NA, Keystone: -1 |
| | W316ST | SBM 685 | E | 309mm | 1,2 | M4 x 25mm | 1/2" spacer | Zoom: NA, Keystone: 0 |

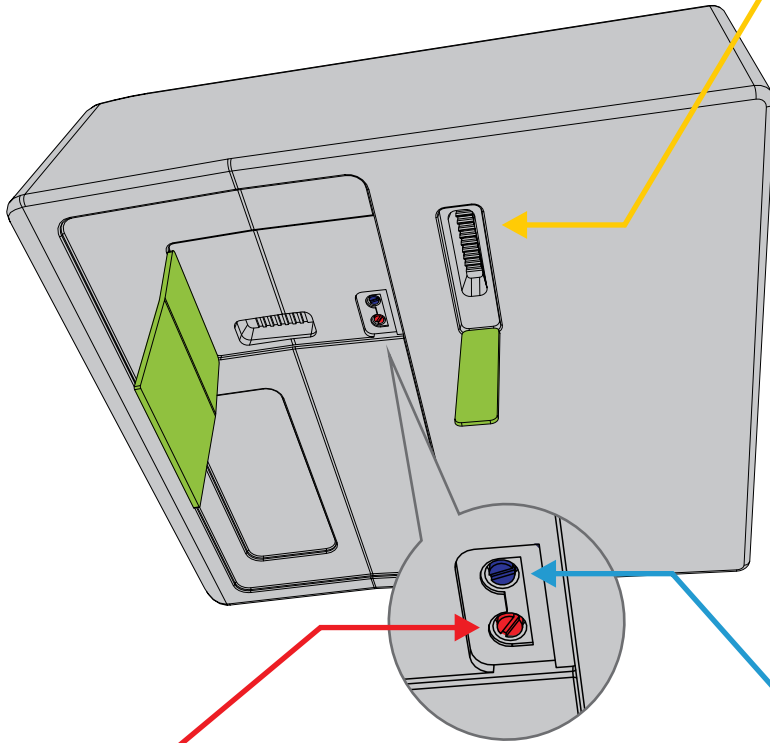
Don't see your projector & board combination here?
Give our Customer Solution Ninjas a shout and they'll help you out.





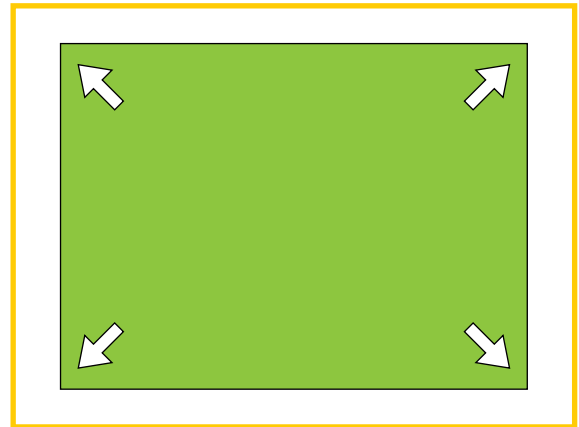
For Sony VPL-SW536 Projector Only!

Open both covers on your projector. Inside you will find adjustments for image alignment, zoom and focus. Use these to align your image on the board after you setup your unit using the settings from the previous page.



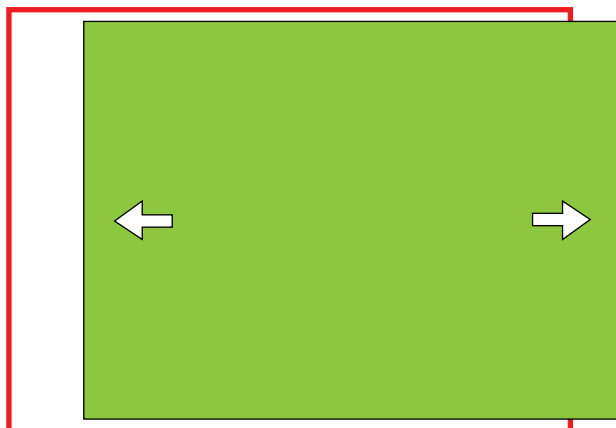
Adjusting Image Size (Zoom)

To adjust zoom turn the dial in either direction until image fills screen.



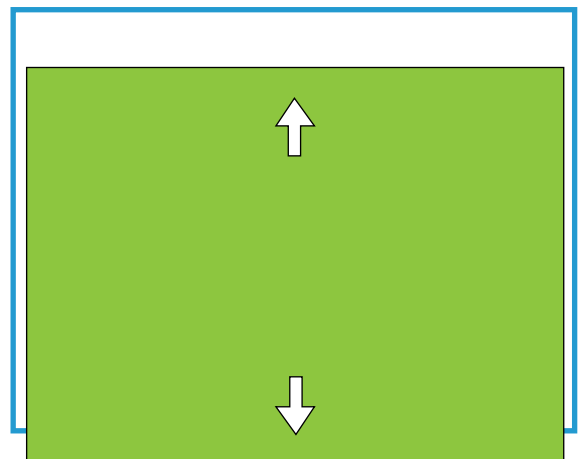
Center Image Horizontally

To shift your image left & right turn this dial with a flat head screwdriver.



Center Image Vertically

To shift your image up & down turn this dial with a flat head screwdriver.

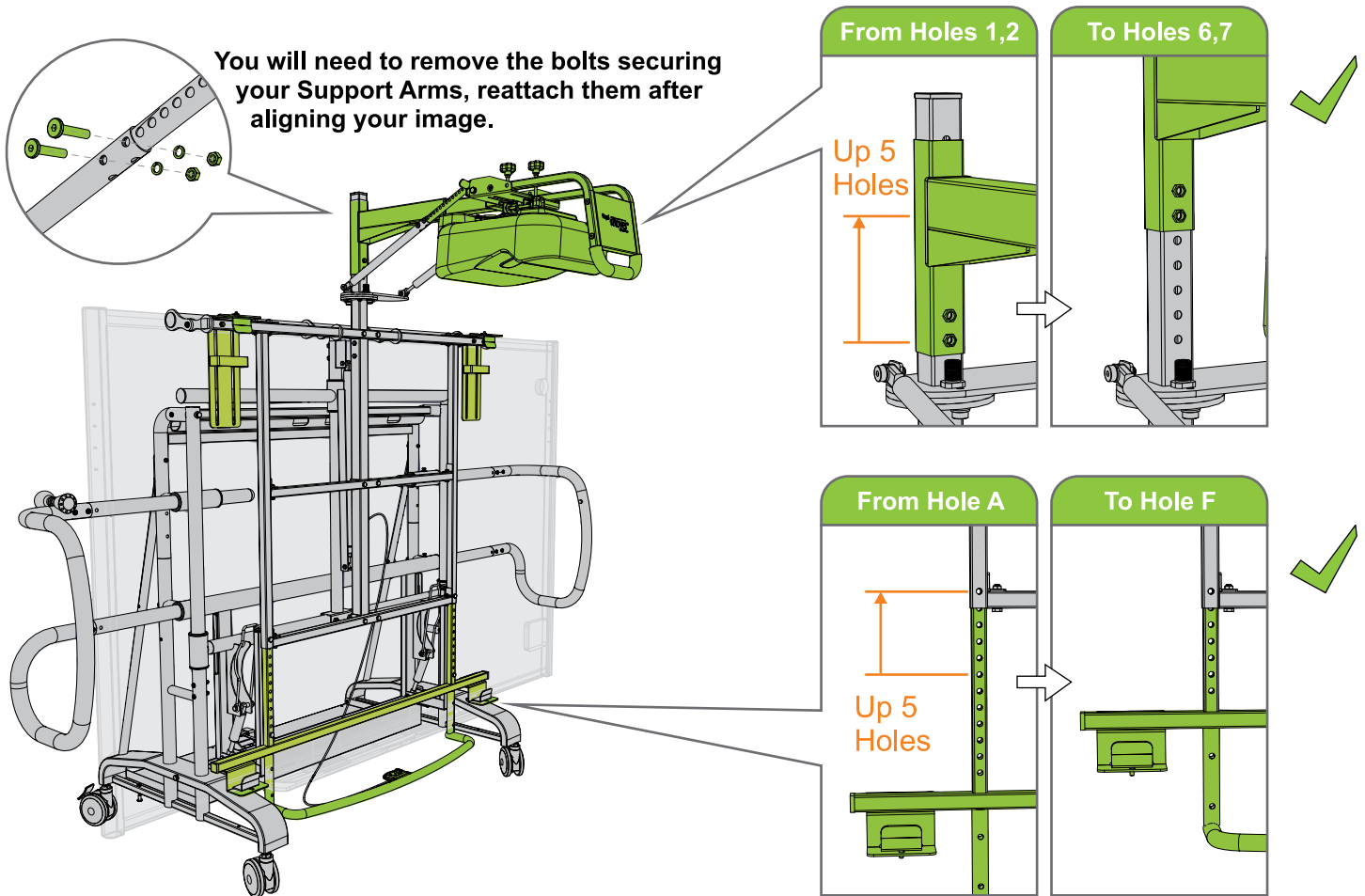




Raising Your Board Up Higher

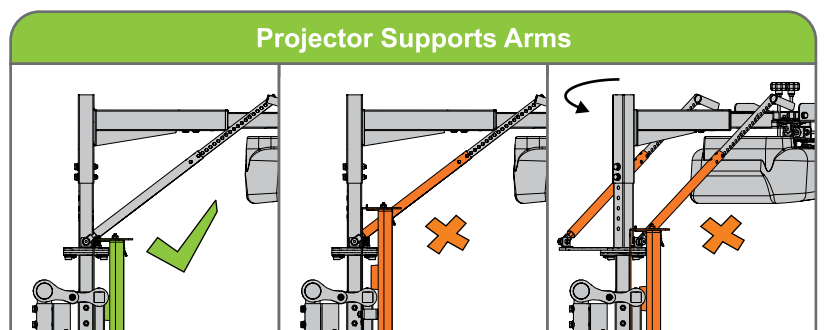
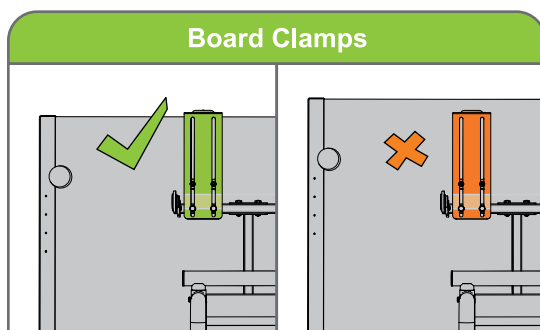
You may wish to raise your board higher than our documentation specifies. This may be the case for older grades or highschool classrooms. By default all our projector and board combinations are setup to sit as close to the floor as possible. Some of these setups may be raised higher. The instructions below will show you how to determine if you can safely raise your projector and board.

Your projector must be raised the same amount as your board. So if you raise your projector up 5 Post Holes then your Board Frame must also move up 5 Board Frame holes. See example below...



! Make sure your Board Clamps have enough reach. If you raise the board up too high the top clamps may not reach top of board.

! Make sure you can rotate the Projector Arm to the side without the Support Arms hitting your board, if they do lower projector and board until they clear. We don't want you to scratch your new board of course!





Tips for Use

General Tips



**Indoor
Use Only**

**Use Under
Adult Supervision**



**Cable Trip
Hazard**



**Do NOT
Climb on Unit**



IMPORTANT PRODUCT ADVISORY

DO NOT LEAVE THIS PRODUCT PLUGGED IN AND
RUNNING FOR MORE THAN 72 HOURS AT ONE TIME.



**RISK OF ELECTRICAL SHOCK!
NEVER PLUG A POWER BAR
INTO ANOTHER POWER BAR!**



**Always move your
iRover with two people**

To hold iRover steady when in use/storage: **Lock the casters.**

To transport unit:

Ensure Board is in vertical position, lowest height, & Projector Arm is turned to side.

Always unplug power before moving.

Further Resources

For more information on your iRover & its proper use & maintenance, please visit our website at www.copernicused.com or call us at 1-800-267-8494

***Check out some of our
other great products!***



www.copernicused.com

***Need Support?
Have a Question?***



Email our Customer Support



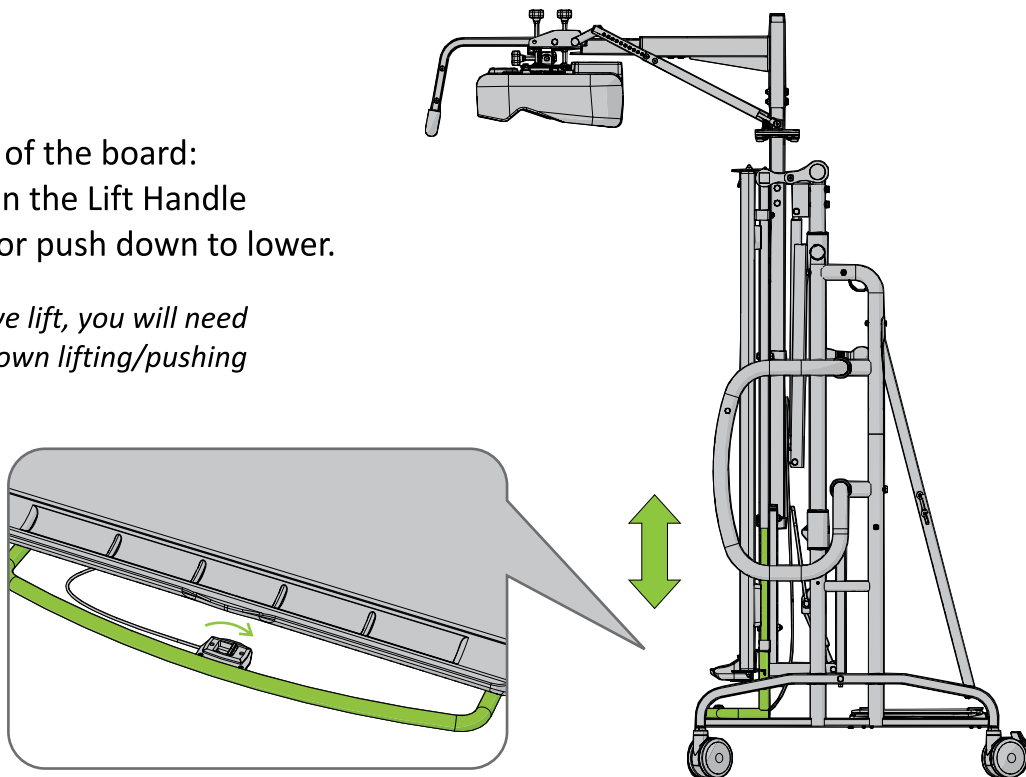


Tips for Use

How to Adjust the Board's Height

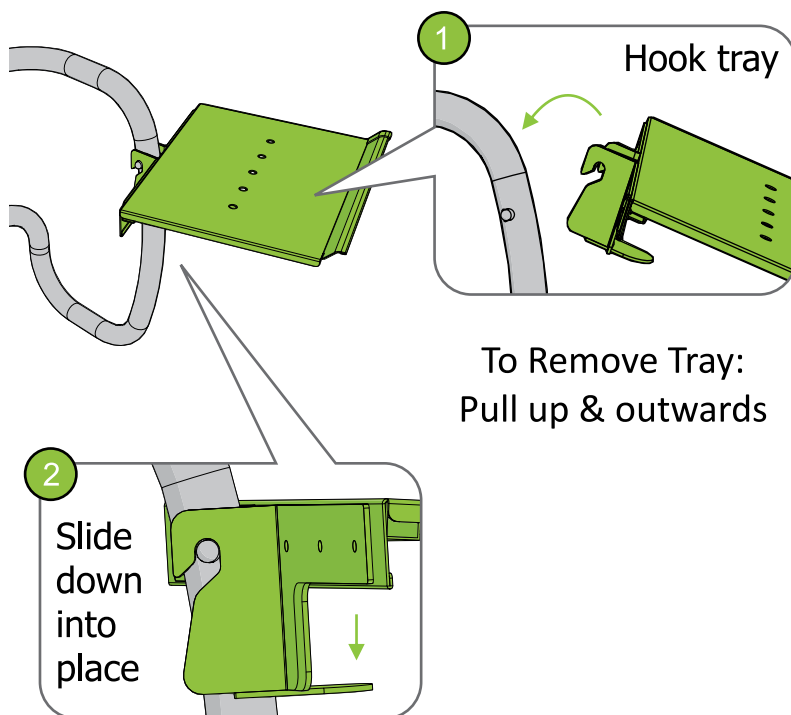
To adjust the height of the board:
Engage the trigger on the Lift Handle
and pull up to raise or push down to lower.

Note: This is an assistive lift, you will need to apply some of your own lifting/pushing force as well.



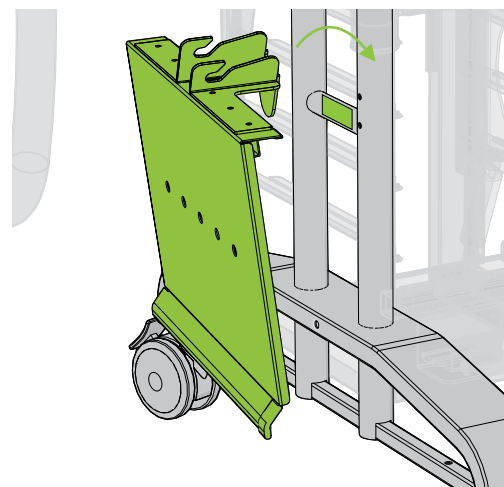
Attaching & Storing Your Laptop Tray

STORE LAPTOP TRAY BEFORE TRANSPORTING



STORAGE

Hang tray on end frame
from Tube marked with
GREEN stripe



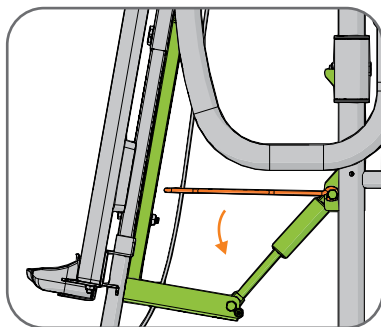


Tips for Use

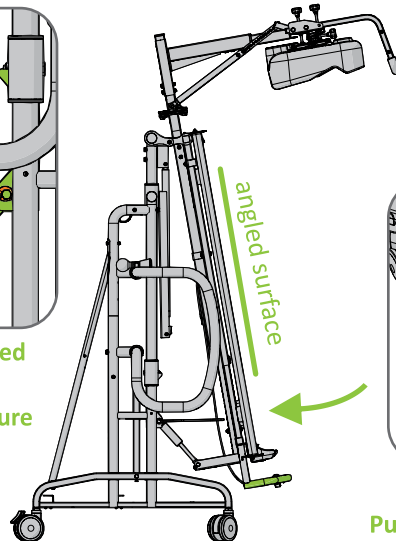
How to Angle the Board

THE BOARD MUST BE IN VERTICAL POSITION TO FIT THROUGH A DOORWAY

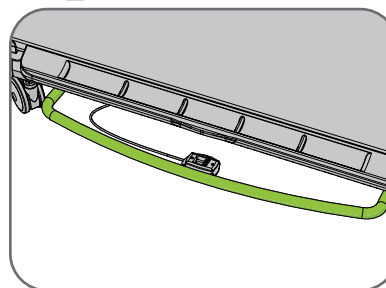
To adjust the angle of the board: Holding onto the Green Lift Handle pull outwards away from the frame or push back in towards the frame to return vertical.



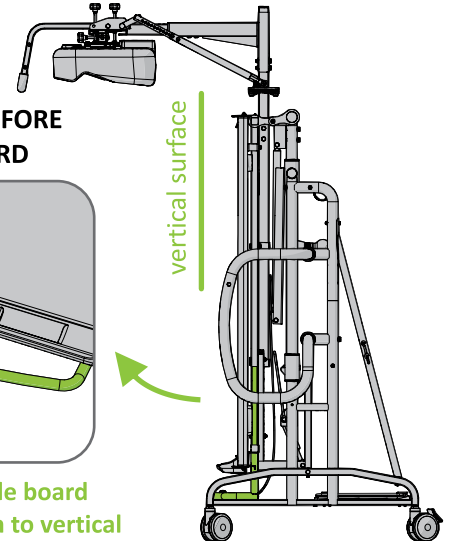
Once the board is in the angled position, fold down the wire braces until they apply pressure to board frame. Fold back up to push board back in.



! LOCK CASTERS BEFORE TILTING THE BOARD

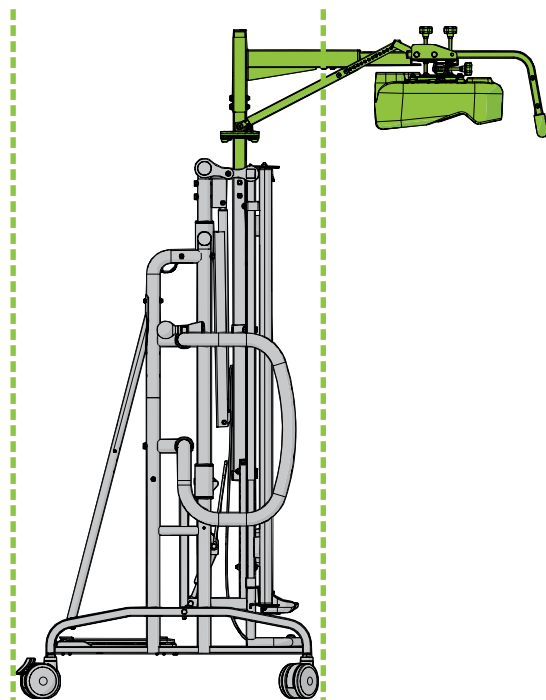


Pull Green Handle to angle board
Push Green Handle to return to vertical

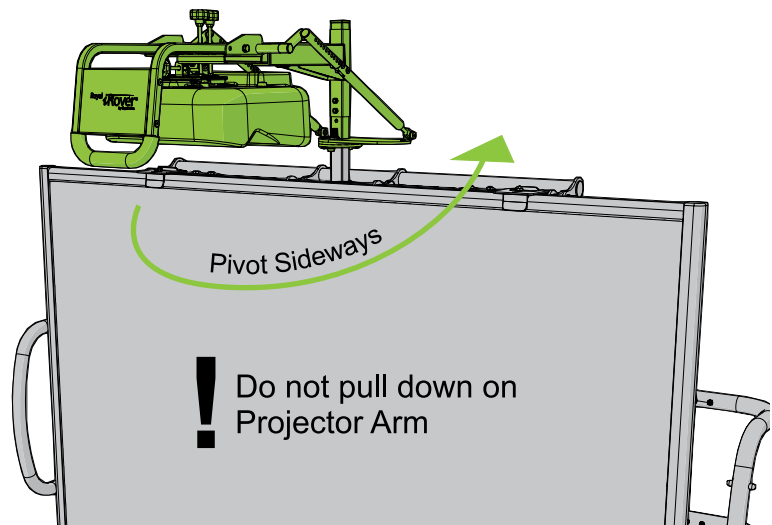


How to Turn the Projector Arm to Fit Through Doorways

ARM MUST BE TURNED TO FIT THROUGH A DOORWAY



Using Green Handle, turn Projector Arm to the right side. Do NOT pull down on Projector Arm.



! Do not pull down on Projector Arm





Care & Maintenance

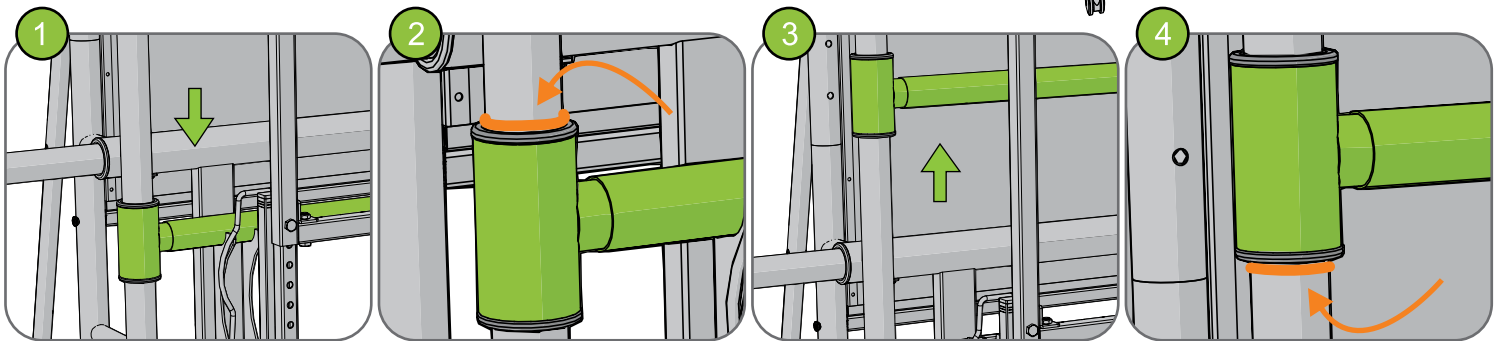
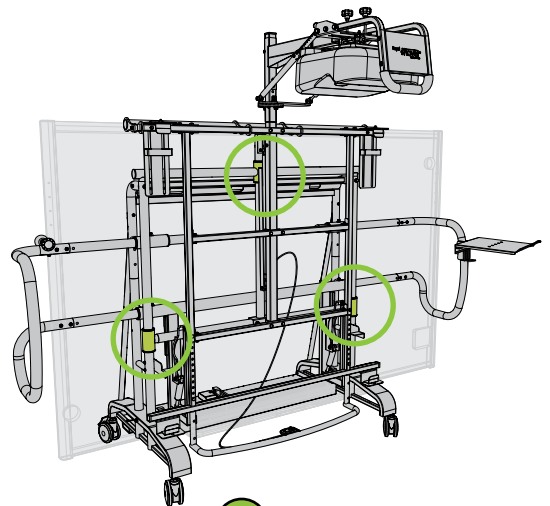
How to care for your iRover^{2™}



- iRover^{2™} is made for indoor use only
- Cleaning: wipe with dry or damp cloth and use mild soap only if necessary.
- Verify that the Gas Lift is working properly: the lift is in good condition if you can lift the board to maximum height without using your own force to assist, and bring it back down by applying pressure on the handle. Please call Copernicus if your Gas Lift needs maintenance.
- Perform bushing lubrication **every 6 months**. See instructions below.
- Check & tighten hardware on unit **every 6 months**.
- For care of the board and projector please refer to each manufacturer's instructions.

Bushing Lubrication Instructions

- 1) Lower the unit to its lowest position.
- 2) Apply a generous bead of Petroleum Jelly all around the top of each bushing, pressing some in the gap between the frame and bushing. There are five (5) bushings in total.
- 3) Raise the board to its highest position.
- 4) Repeat the application of Petroleum Jelly on the bottom of each bushing.
- 5) Lower the unit back down to its lowest position.



Check Tightness of Ball Plunger

- 1) If your Projector Arm does not lock at 90 degrees then your Ball Plunger may need tightening.
- 2) Use an Allen key to tighten turning clockwise until you feel a little resistance. **DO NOT FULLY TIGHTEN** or you may damage your Ball Plunger. Slight pressure is sufficient whereas fully tightening will prevent your Projector Arm from turning at all.

