

iRover²™ For Interactive Whiteboards



Assembly Guide IWB102_2016_A

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



205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

WARNING !

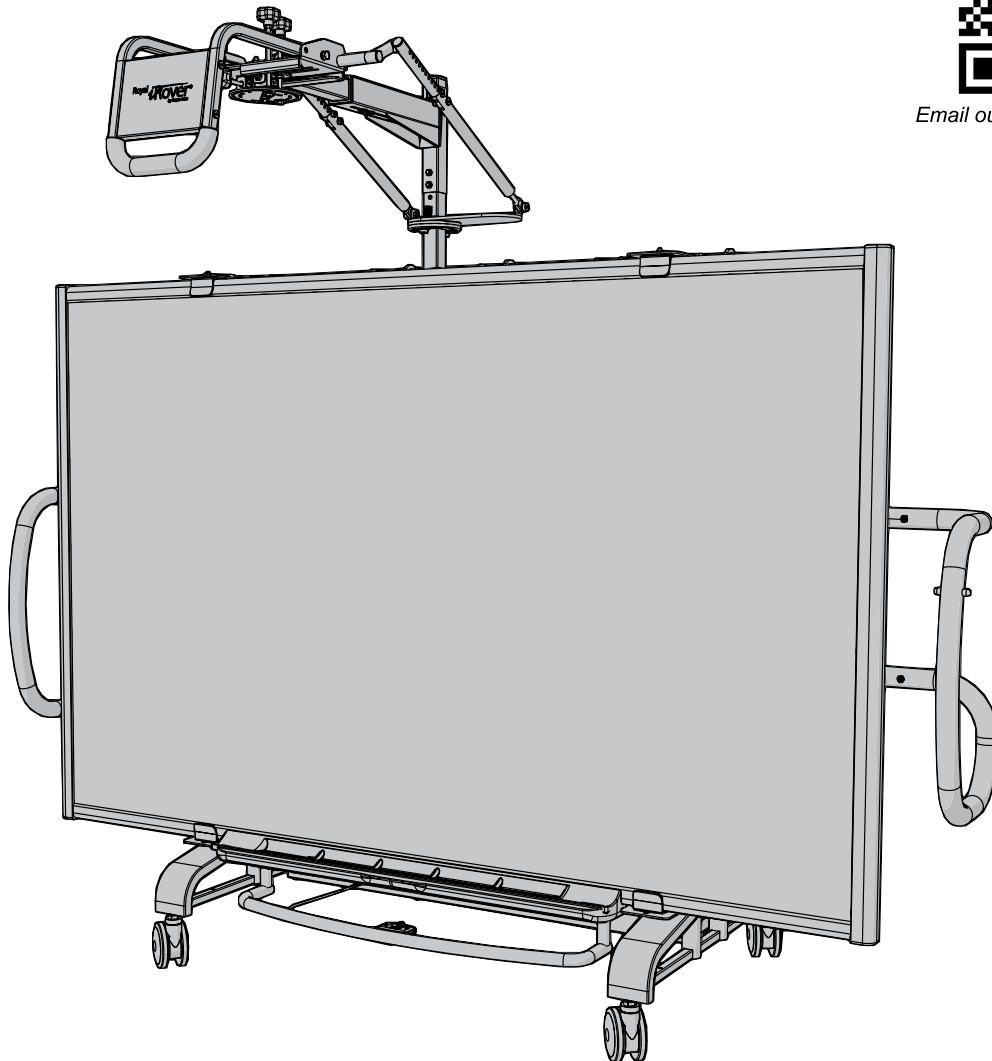
- This product is meant to be assembled by an adult.
- In its unassembled state, small parts present a hazard.
- To be used under direct supervision of an adult.

"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.



iRover²™ For Interactive Whiteboards



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www.copernicused.com

For assistance, please contact us:

1-800-267-8494

Email info@copernicused.com

Have your packing slip ready for reference

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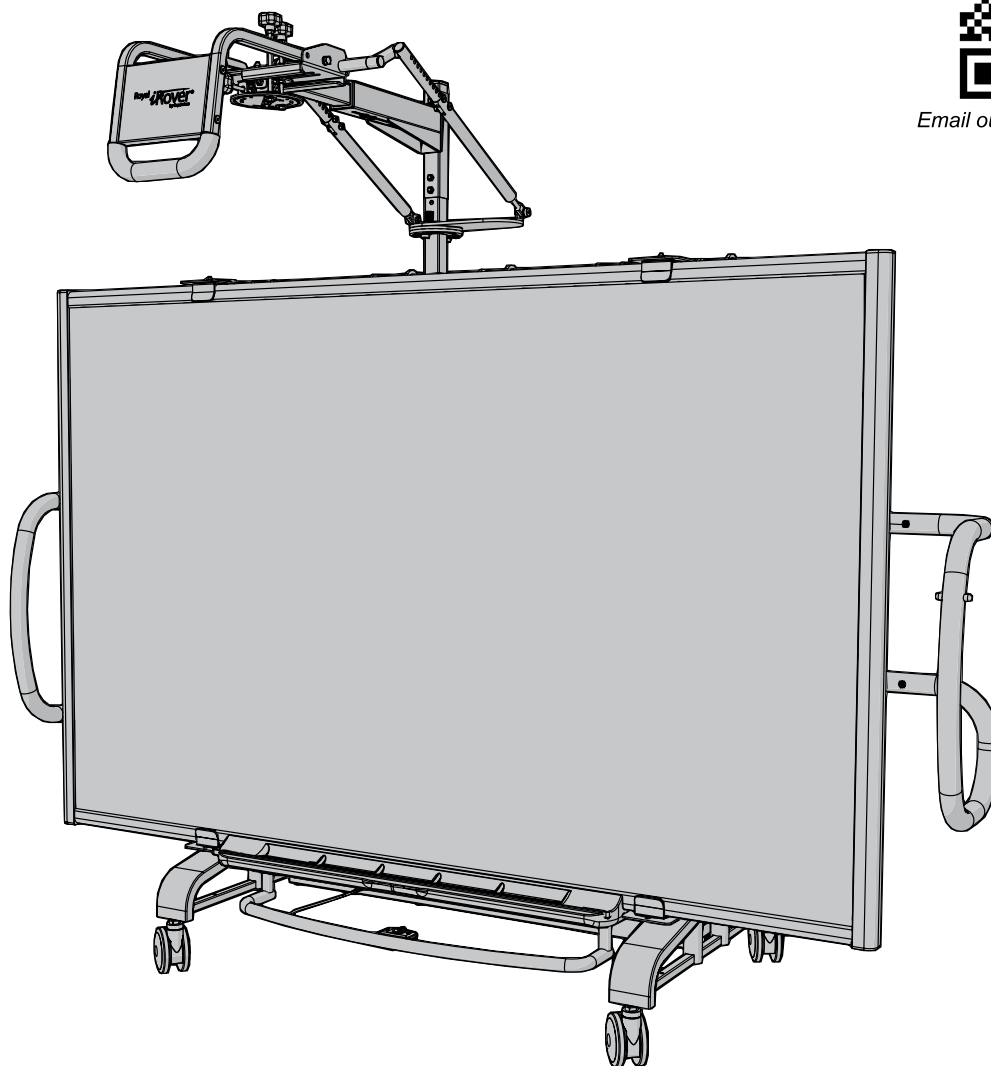
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Dear Educator,

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



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.



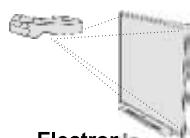
Indoor Use Only

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.





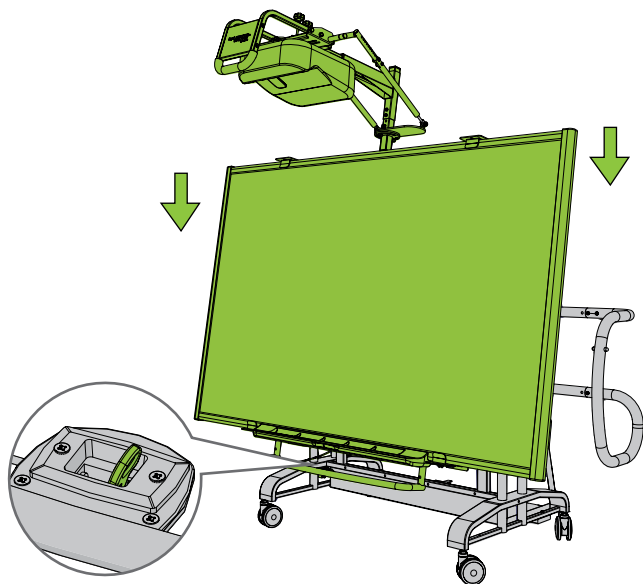
Moving Your iRover²TM



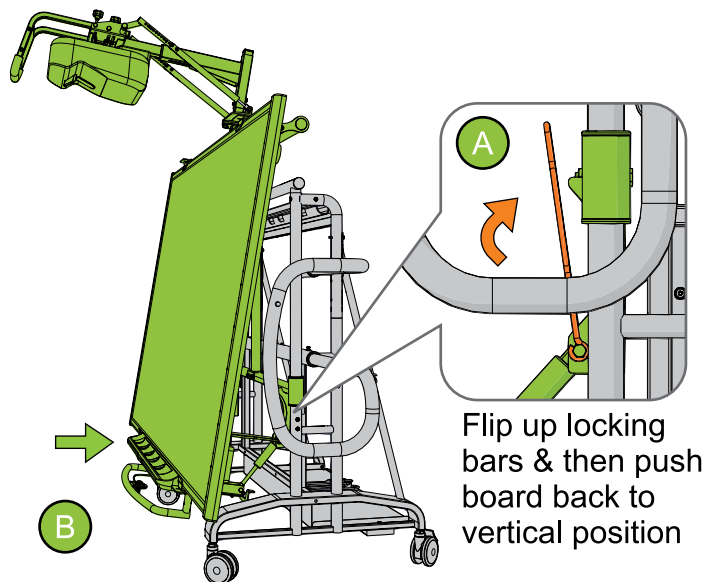
Always move your iRover²TM with two people.

When moving your iRover²TM 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.

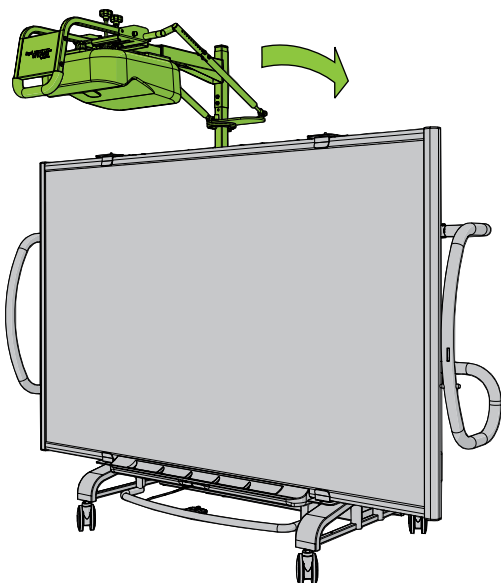
1) Lower Board All the Way



2) Remove tilt by pushing board inward

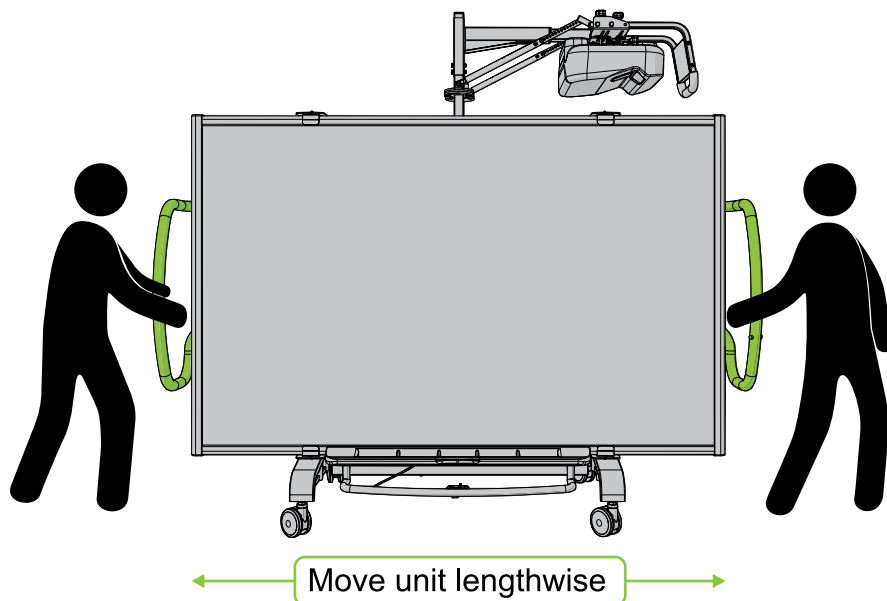


3) Turn PA to side



4) Always move unit with two people

**Don't forget to unlock your casters*

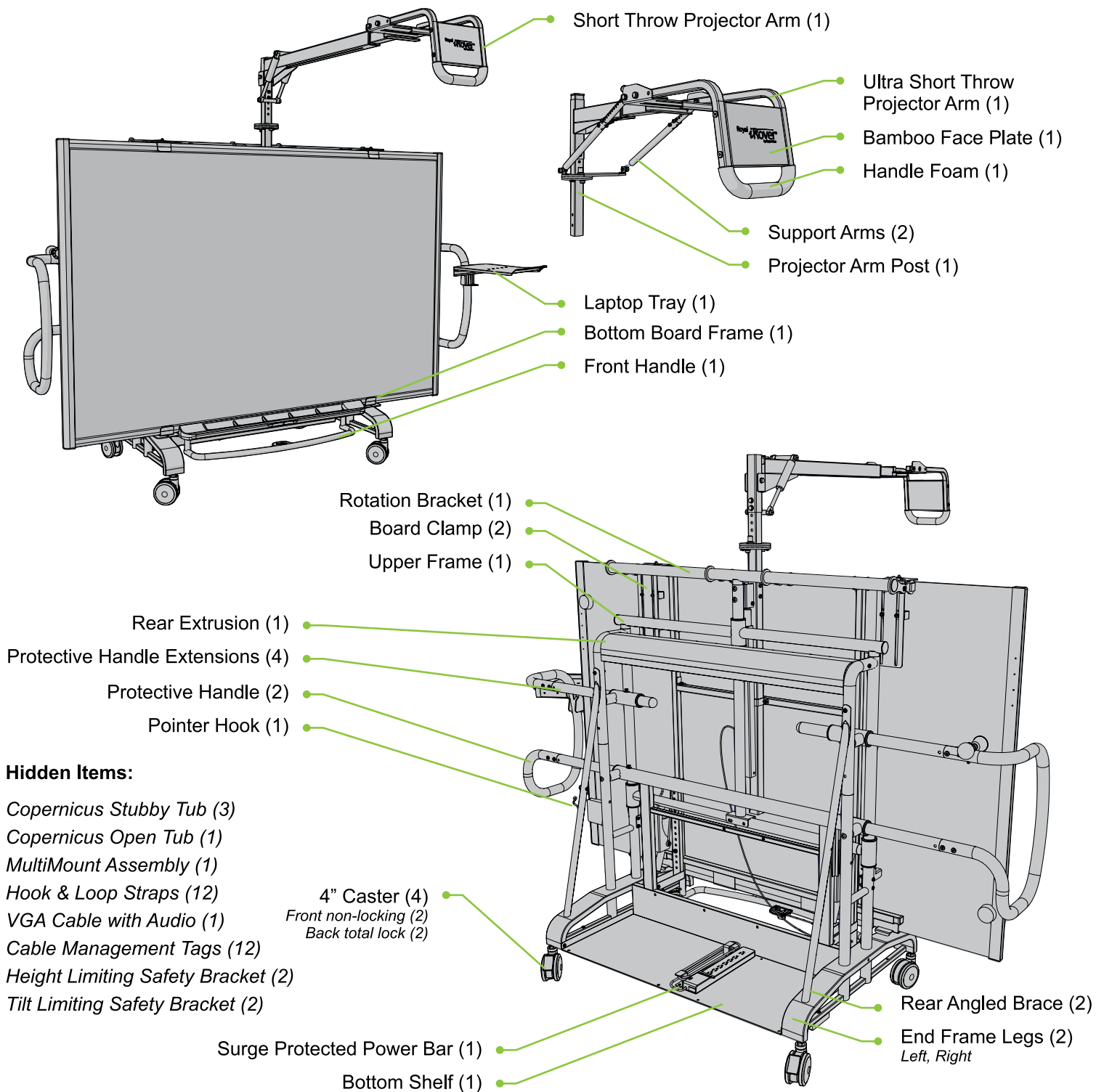


**WARNING**

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.



Hidden Items:

Copernicus Stubby Tub (3)
 Copernicus Open Tub (1)
 MultiMount Assembly (1)
 Hook & Loop Straps (12)
 VGA Cable with Audio (1)
 Cable Management Tags (12)
 Height Limiting Safety Bracket (2)
 Tilt Limiting Safety Bracket (2)



Before beginning, you should have:

Additional tools required:



OR

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

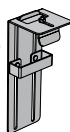
+



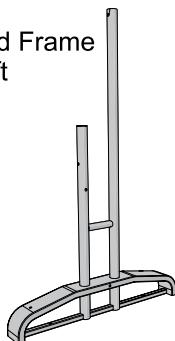
+

**Contents - IWB-0**

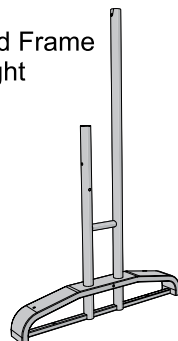
Board
Clamp
2x



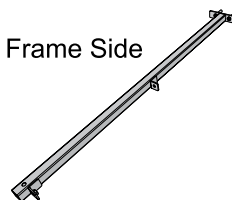
End Frame
Left
1x



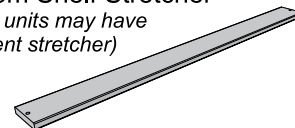
End Frame
Right
1x



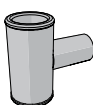
Board Frame Side
2x



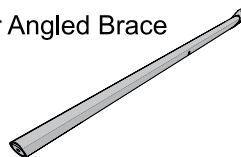
Bottom Shelf Stretcher
(base units may have
different stretcher)
1x



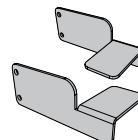
Slide Frame
Handle
1x



Rear Angled Brace
2x



Height Limiting
Safety Bracket
(left and right)
2x



Slide Frame
1x



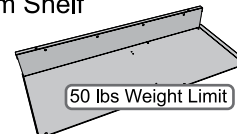
Hook & Loop Straps
(saved from your
packaging in this box)
12x



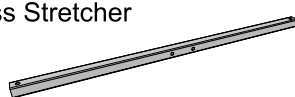
4" Caster
(2 non-locking,
2 locking)
4x



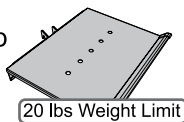
Bottom Shelf
1x



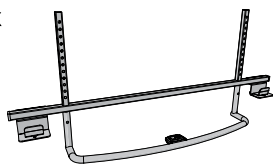
Cross Stretcher
2x



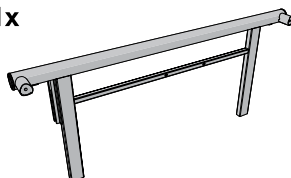
Laptop
Tray
1x

**Contents - IWB-1 or IWB-2**

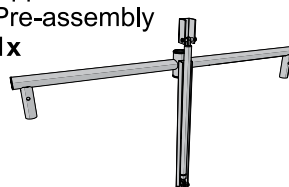
Board Frame Mount
1x



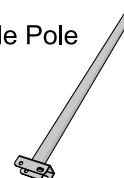
Protective Handle Holder
1x



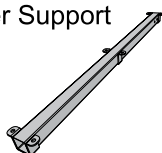
Upper Frame
Pre-assembly
1x



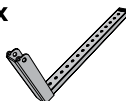
Center Slide Pole
1x



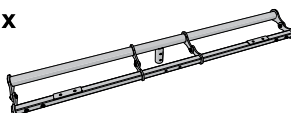
Center Support
1x



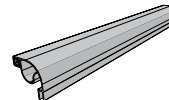
Tilt Brace
2x



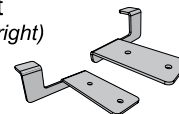
Rotation Bracket
1x



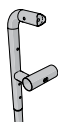
Rear Extrusion
1x



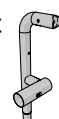
Tilt Limiting Safety
Bracket
(left and right)
2x

**Contents - IWB-3**

Back Support
Left
1x



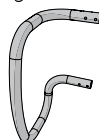
Back Support
Right
1x



Protective Handle
Extensions
4x



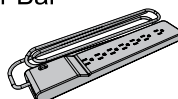
Protective
Handle Left
1x



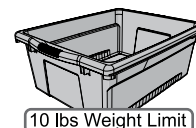
Protective
Handle
Right
1x



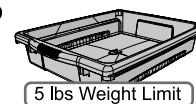
Power Bar
1x

**Contents - IWB-CB**

Open Tub
1x
(CC4068)



Stubby Tub
3x
(CC4074)



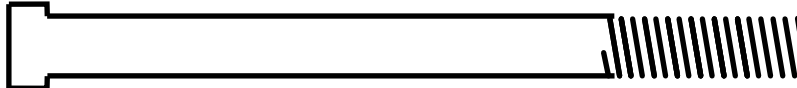
... box hardware on following page

Before beginning, you should have:

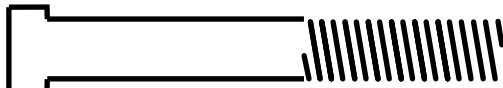
In IWB-0

Hardware
Actual Size

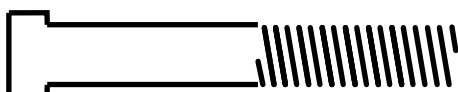
(A) Partially threaded M8 x 100mm bolt
2x



(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



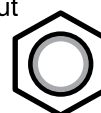
(Z) M6 lock nut
9x



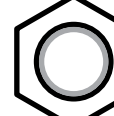
(L) M6 nut
4x



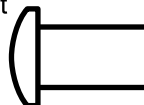
(M) M8 lock nut
16x



(N) M10 lock nut
2x

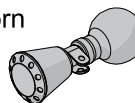


(O) M6 barrel nut
11x



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

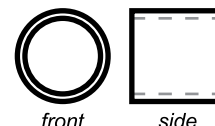
Attention horn
1x



Caster wrench
1x



(P) 12mm spacer
4x



(Q) M6 lock washer
17x



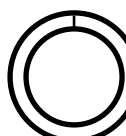
(R) M8 flat washer
12x



(S) M8 lock washer
14x



(T) M12 lock washer
4x



(U) M6 internal tooth lock washer
2x



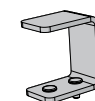
(V) Contour washer
6x



Pointer hook
1x



Cable hook
2x



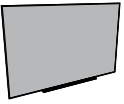
Bag of extra hardware
1x
(432091)



Before beginning, you should have:

Contents - 32126A

Copernicus 77"
whiteboard
1x



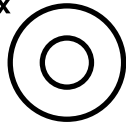
Whiteboard
bracket
4x



ZZ 1/4" lock
nut
4x



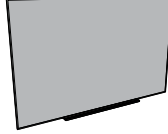
YY 1/4" washer
4x



sold separately

Contents - 32128A

Copernicus 87"
whiteboard
1x



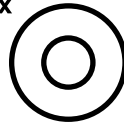
Whiteboard
bracket
4x



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

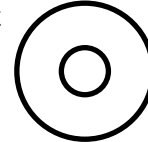
VGA Cable
1x

Ultra Short Throw Projector Post
1x

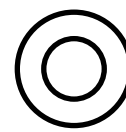
In IWB-4

Hardware Actual Size

DD M6 flat washer
2x



R M8 flat washer
6x



Q M6 lock washer
4x



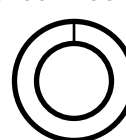
S M8 lock washer
6x



L M6 nut
4x



GG M10 lock washer
2x



EE M6 nut coarse thread
2x



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

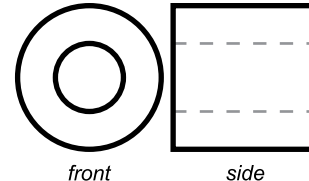
FF M6 lock nut
2x



M M8 lock nut
2x



ii 19mm spacer
2x



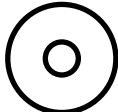
MM M4 lock washer
4x



RR M4 x 10mm bolt
4x



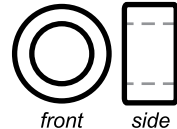
NN Flat washer
8x



SS M4 x 16mm bolt
4x



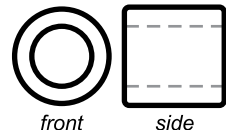
OO 1/4" spacer
4x



TT M4 x 20mm bolt
4x



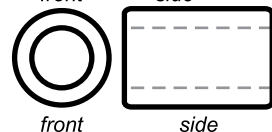
PP 1/2" spacer
4x



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



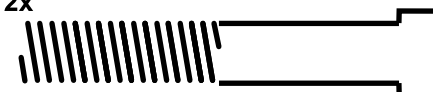
JJ M10 shoulder bolt - M8 x 11mm thread
2x



KK M8 x 40mm bolt
4x



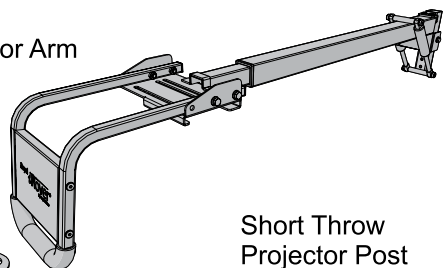
LL Partially threaded M8 x 50mm bolt
2x



Before beginning, you should have:

Contents - IWB-5

Short Throw Projector Arm
1x



Spider Arm
Long
2x



Spider Arm
Medium
2x

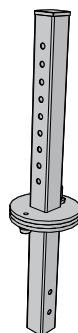


Spider Arm
Short
4x

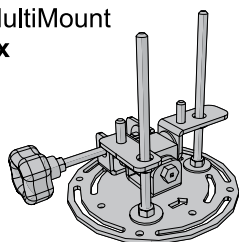


VGA Cable
1x

Short Throw
Projector Post
1x



MultiMount
1x



In IWB-5

Hardware Actual Size

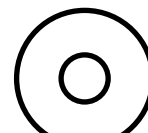
EE

M6 nut coarse
thread
2x



DD

M6 flat washer
2x



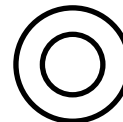
FF

M6 lock nut
2x



R

M8 flat washer
2x

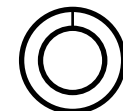


HH

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



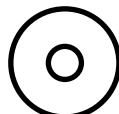
MM

M4 lock washer
4x



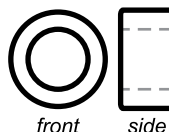
NN

Flat washer
12x



OO

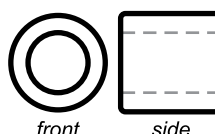
1/4" spacer
3x



front side

PP

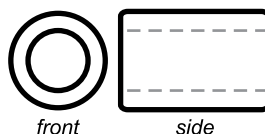
1/2" spacer
3x



front side

QQ

3/4" spacer
4x



front side

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.



hmmm



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).

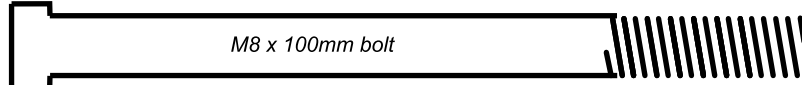
My interactive board isn't working, who should I call?

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

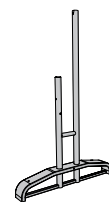
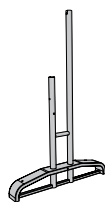
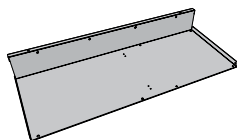


1

Actual Size:

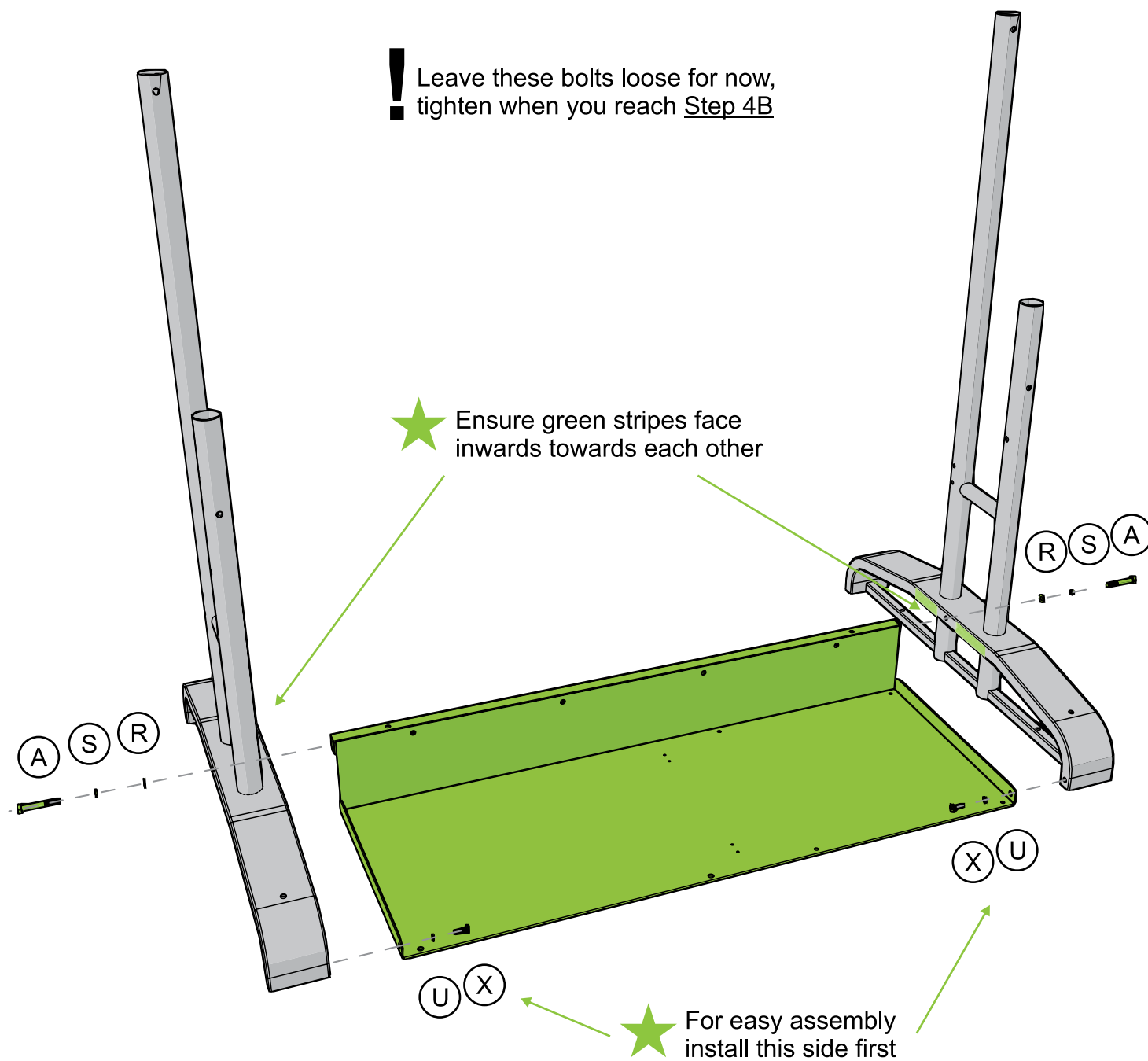
A
2xU
M6 internal tooth lock washer
2x

You will need: (Not to Scale)



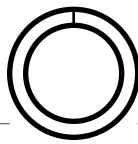
Attach End Frames to the Bottom Shelf

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



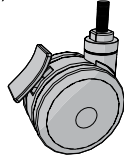
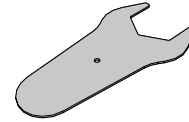
2

Actual Size:

M12 Lock Washer
4x

2-Person Task

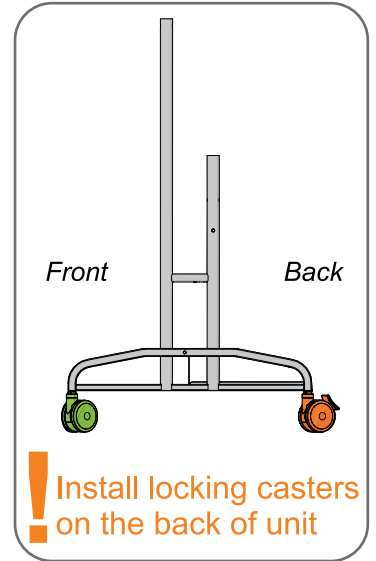
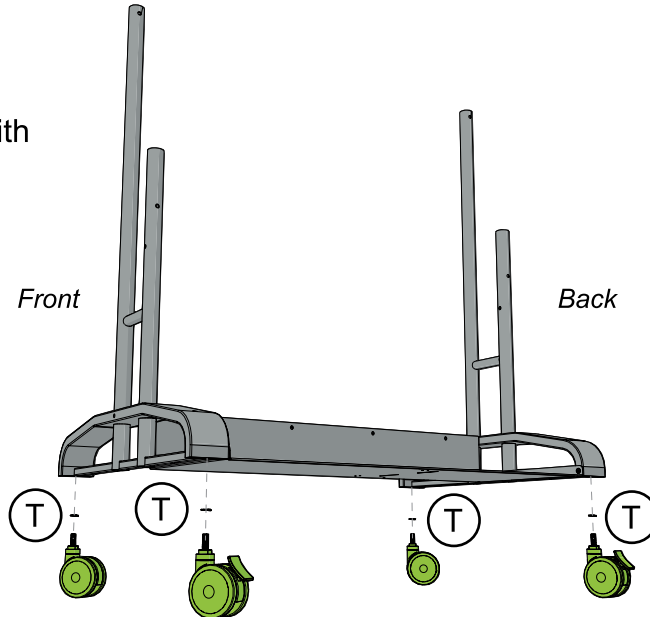
You will need: (Not to Scale)

4" Caster
(2 non-locking, 2 total lock)
4xCaster Wrench
1x

Install Casters

! Tighten casters with
supplied wrench

! Do not lock
casters prior to
tightening

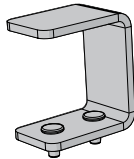


3

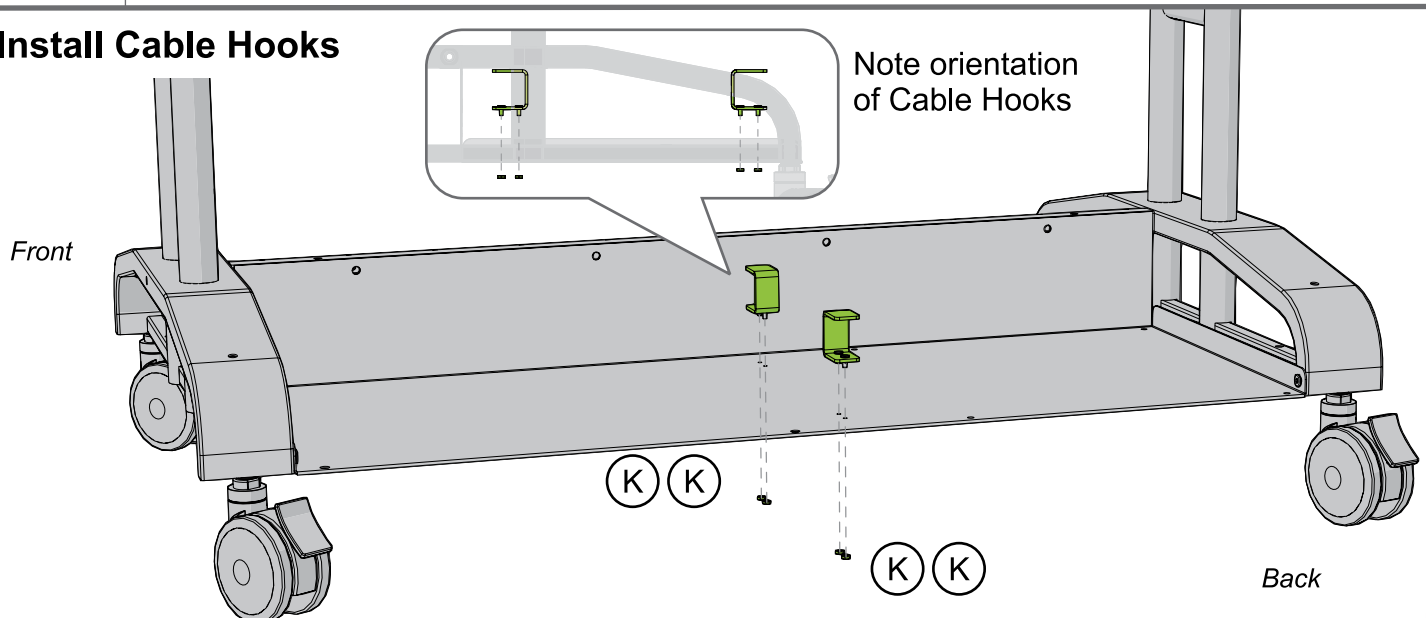
Actual Size:

M4 Lock Nut
4x

You will need: (Not to Scale)

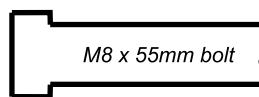
Cable Hook
2x

Install Cable Hooks



4A

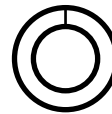
Actual Size:



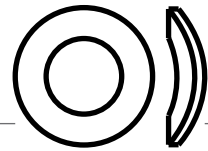
M8 x 55mm bolt



2x

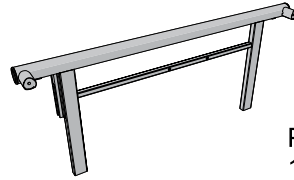


2x



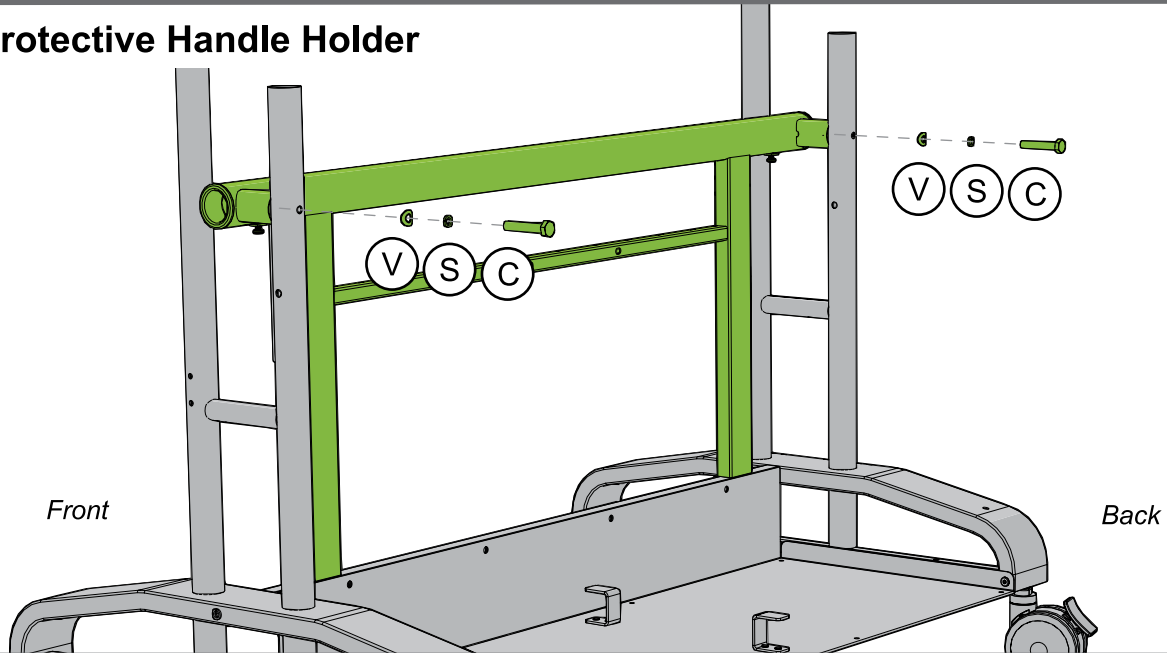
2x

You will need: (Not to Scale)



Protective Handle Holder
1x

Install Protective Handle Holder



4B

Actual Size:

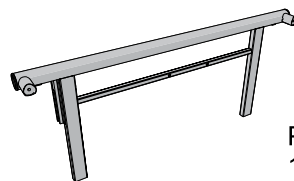


M6 Nut
2x



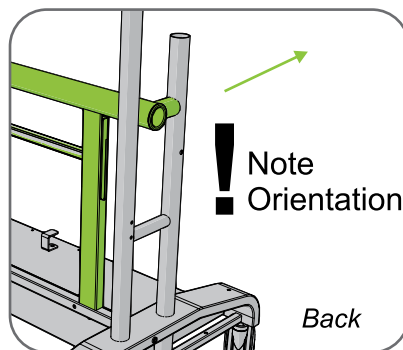
M6 Lock Washer
2x

You will need: (Not to Scale)

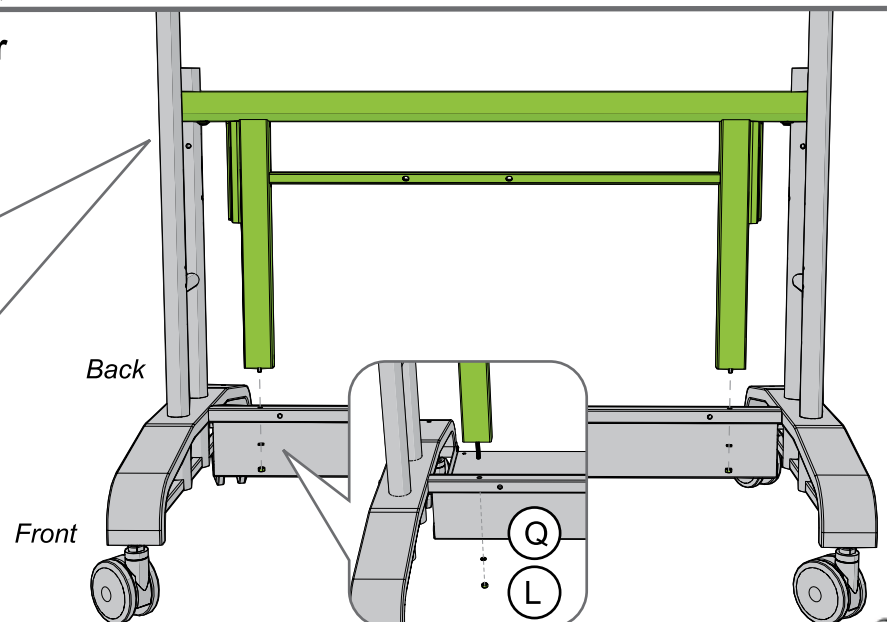


Protective Handle Holder
1x

Install Protective Handle Holder



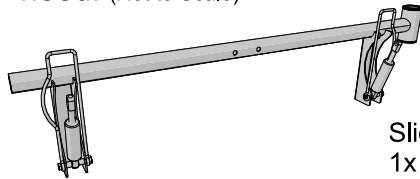
! Tighten all bolts on the unit right now



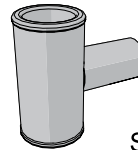
5

Actual Size:

You will need: (Not to Scale)

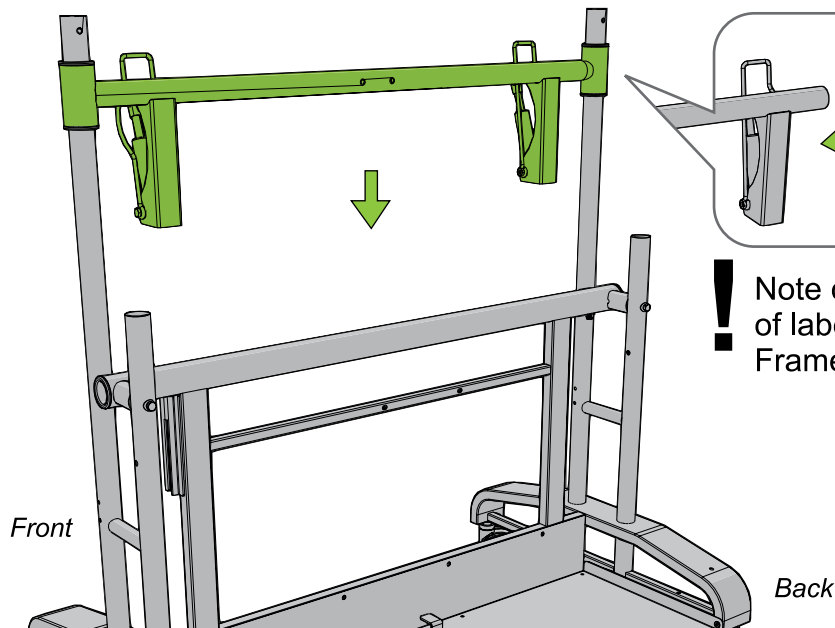
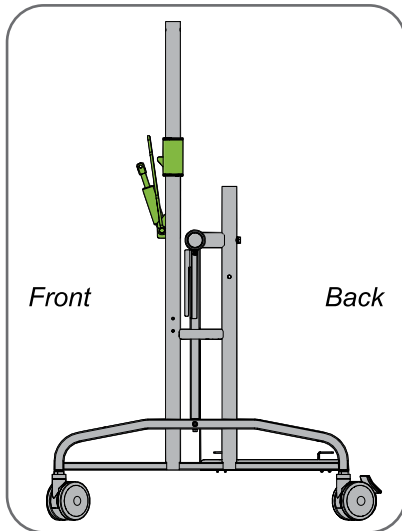


Slide Frame
1x



Slide Frame Handle
1x

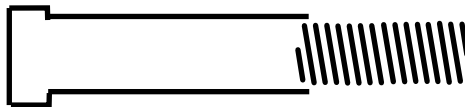
Install Slide Frame



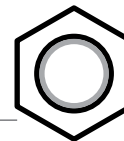
! Note orientation of label on Slide Frame Handle

6

Actual Size:

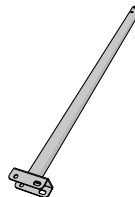


(D)
M10 x 55mm bolt
2x



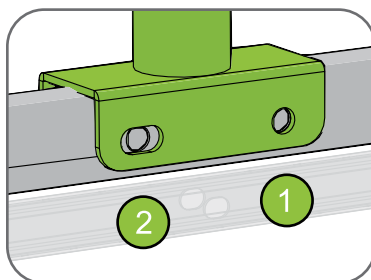
(N)
M10 Lock Nut
2x

You will need: (Not to Scale)



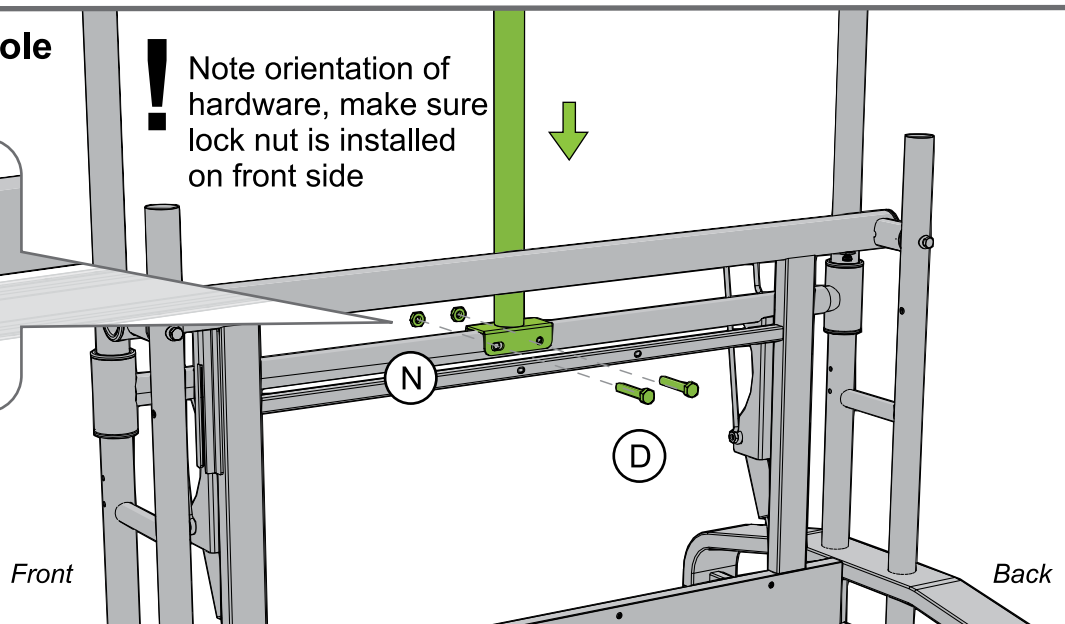
Center Slide Pole
1x

Install Center Slide Pole



For easy assembly start with hole 1, then use hole 2

! Note orientation of hardware, make sure lock nut is installed on front side



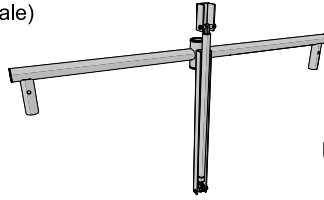
7

Actual Size:

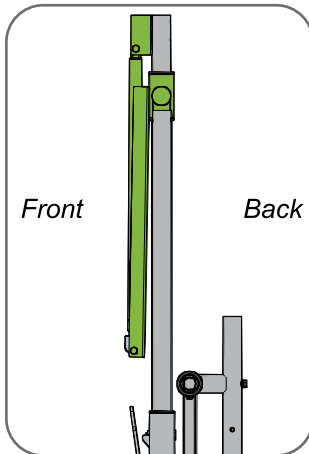


2-Person Task

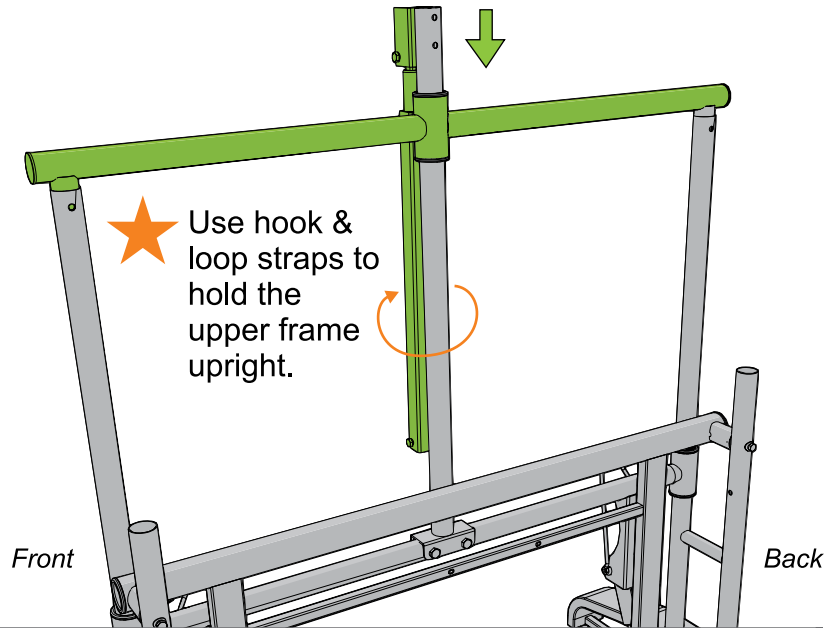
You will need: (Not to Scale)

Upper Frame Assembly
1x

Install Upper Frame

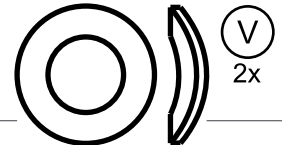
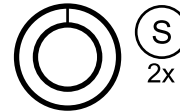
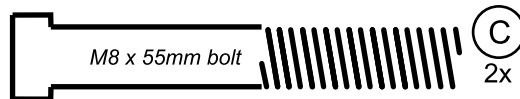


Watch orientation of shock

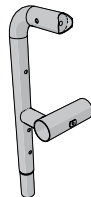
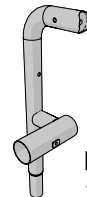


8

Actual Size:



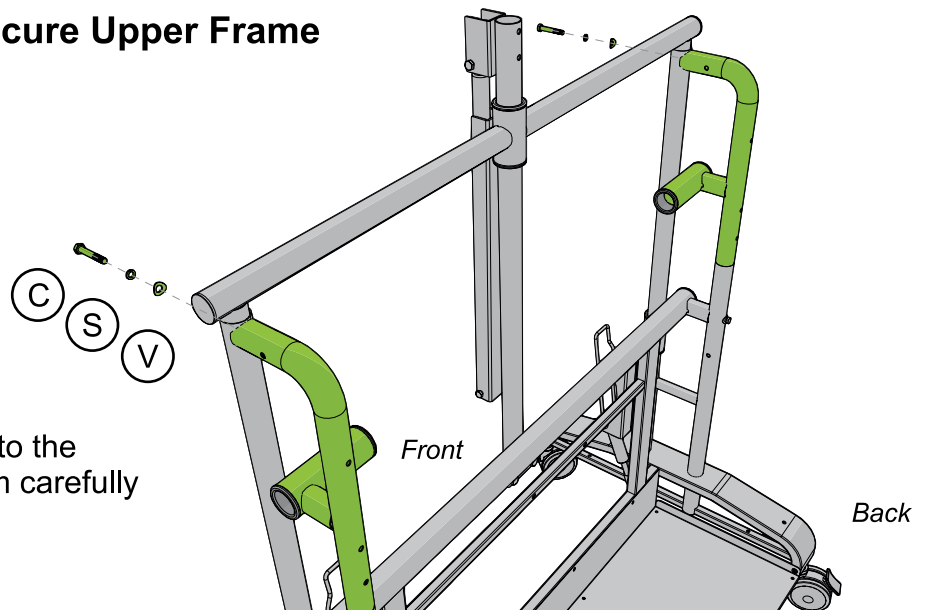
You will need: (Not to Scale)

Back Support Left
1xBack Support Right
1x

Install Back Supports & Secure Upper Frame

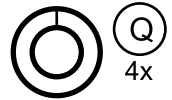
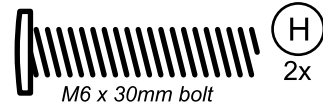
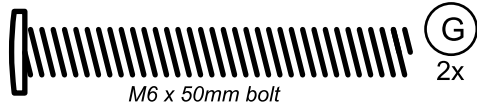


There is a Left and Right to the Back Support, watch them carefully

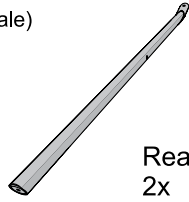


9

Actual Size:

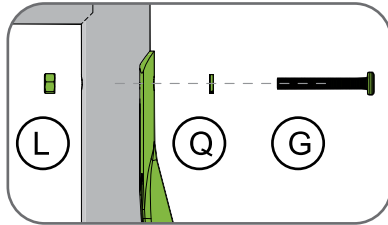


You will need: (Not to Scale)

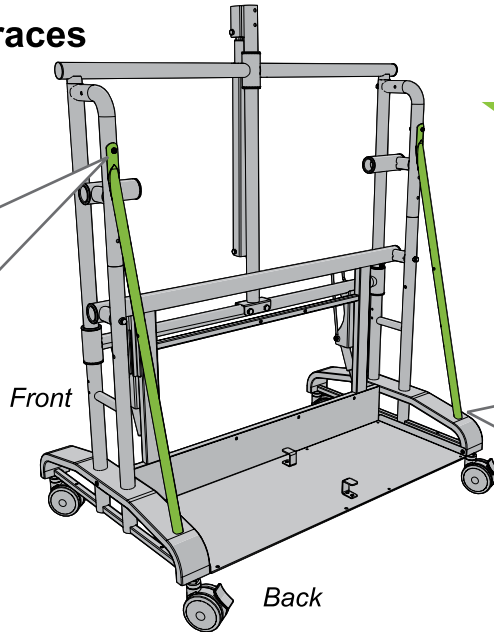


2-Person Task

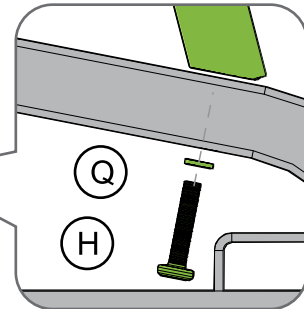
Install Angled Support Braces



Front

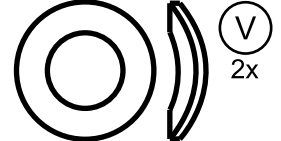
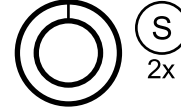


Secure bottom of brace first, for ease of assembly

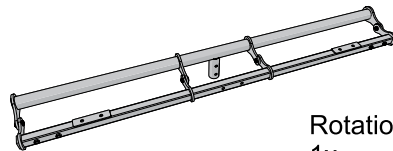


10

Actual Size:



You will need: (Not to Scale)

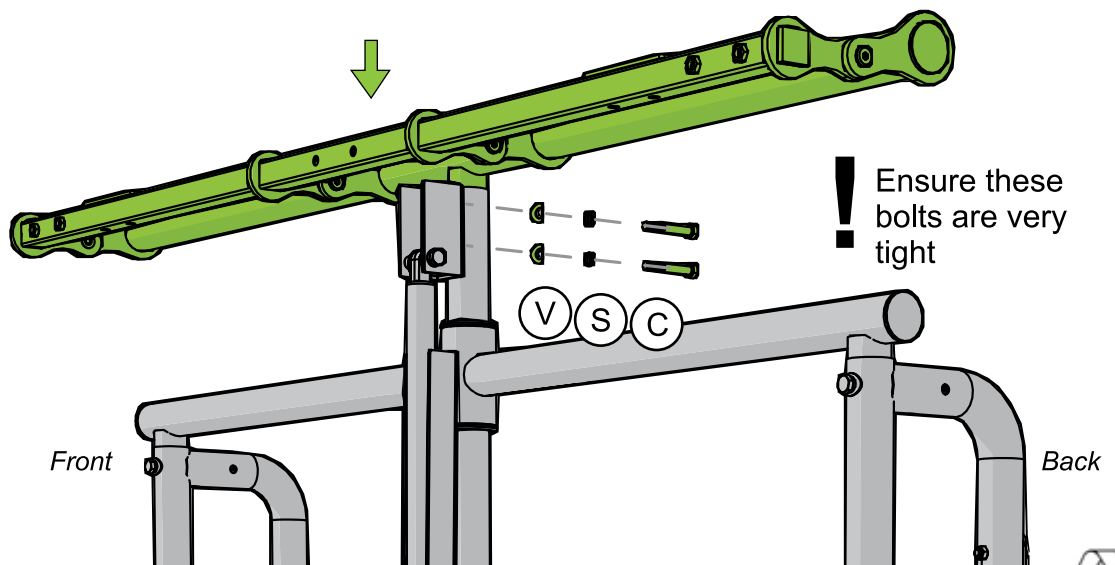
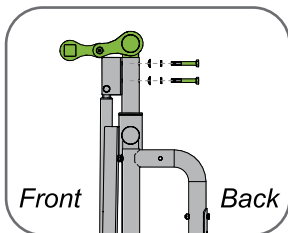


2-Person Task

Attach Rotation Bracket to Main Frame



Note orientation of Rotation Bracket



Ensure these bolts are very tight



11

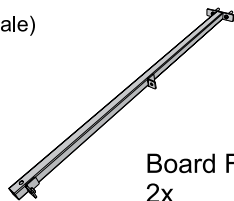
Actual Size:



(M)

M8 Lock Nut
4x

You will need: (Not to Scale)

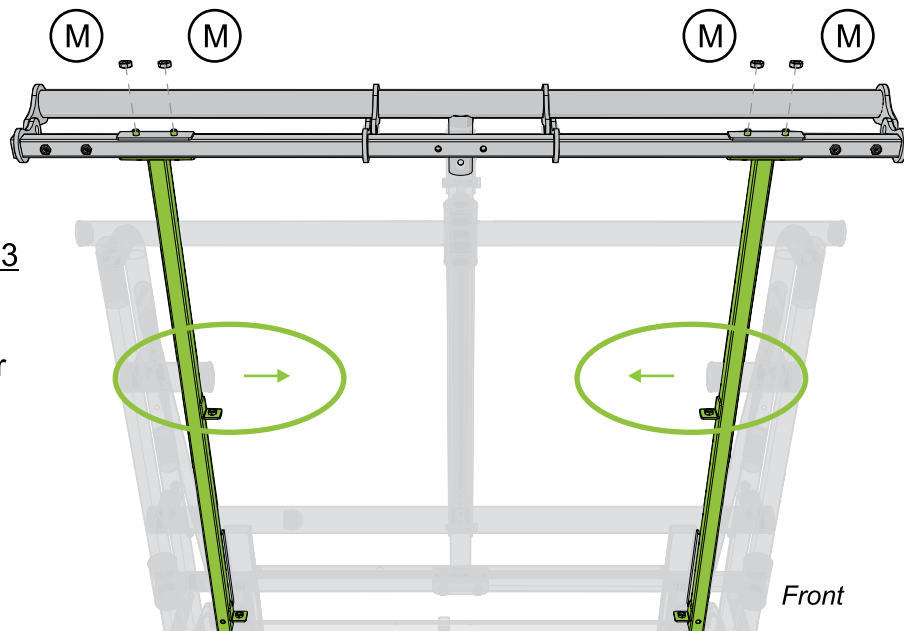


Board Frame Side
2x

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

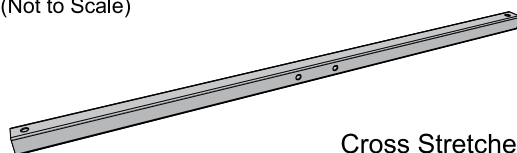
Actual Size:



(F)

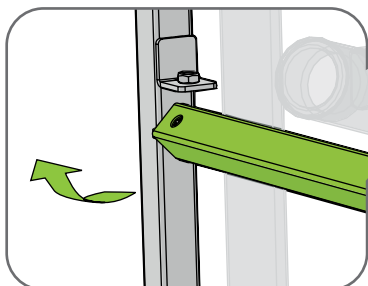
M8 x 35mm
4x

You will need: (Not to Scale)



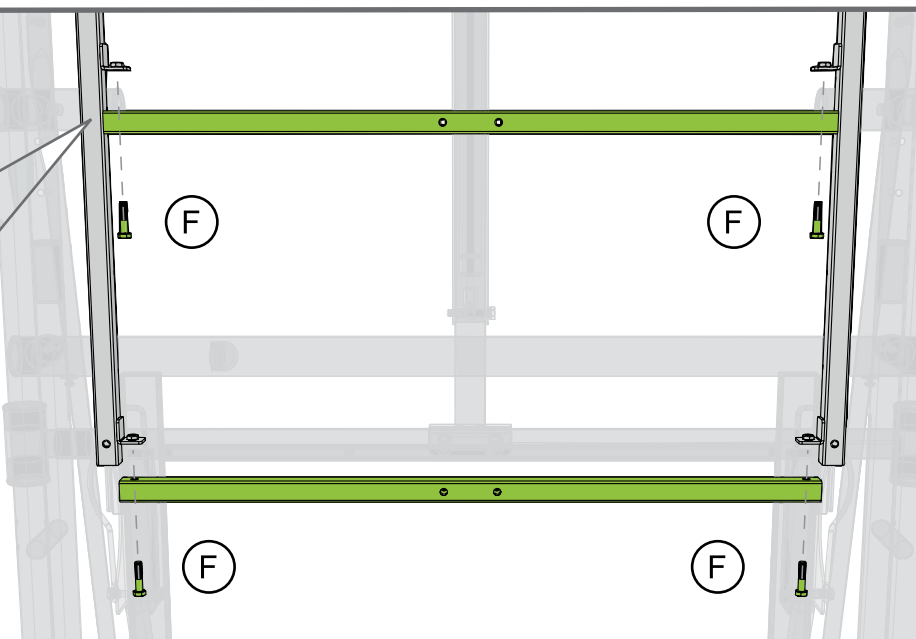
Cross Stretcher
2x

Attach Cross Stretchers



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

Front



13

Actual Size:

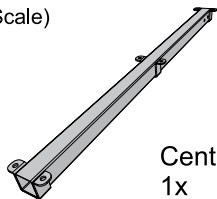


(F)
M8 x 35mm
6x



(M)
M8 Lock Nut
6x

You will need: (Not to Scale)



Center Support
1x

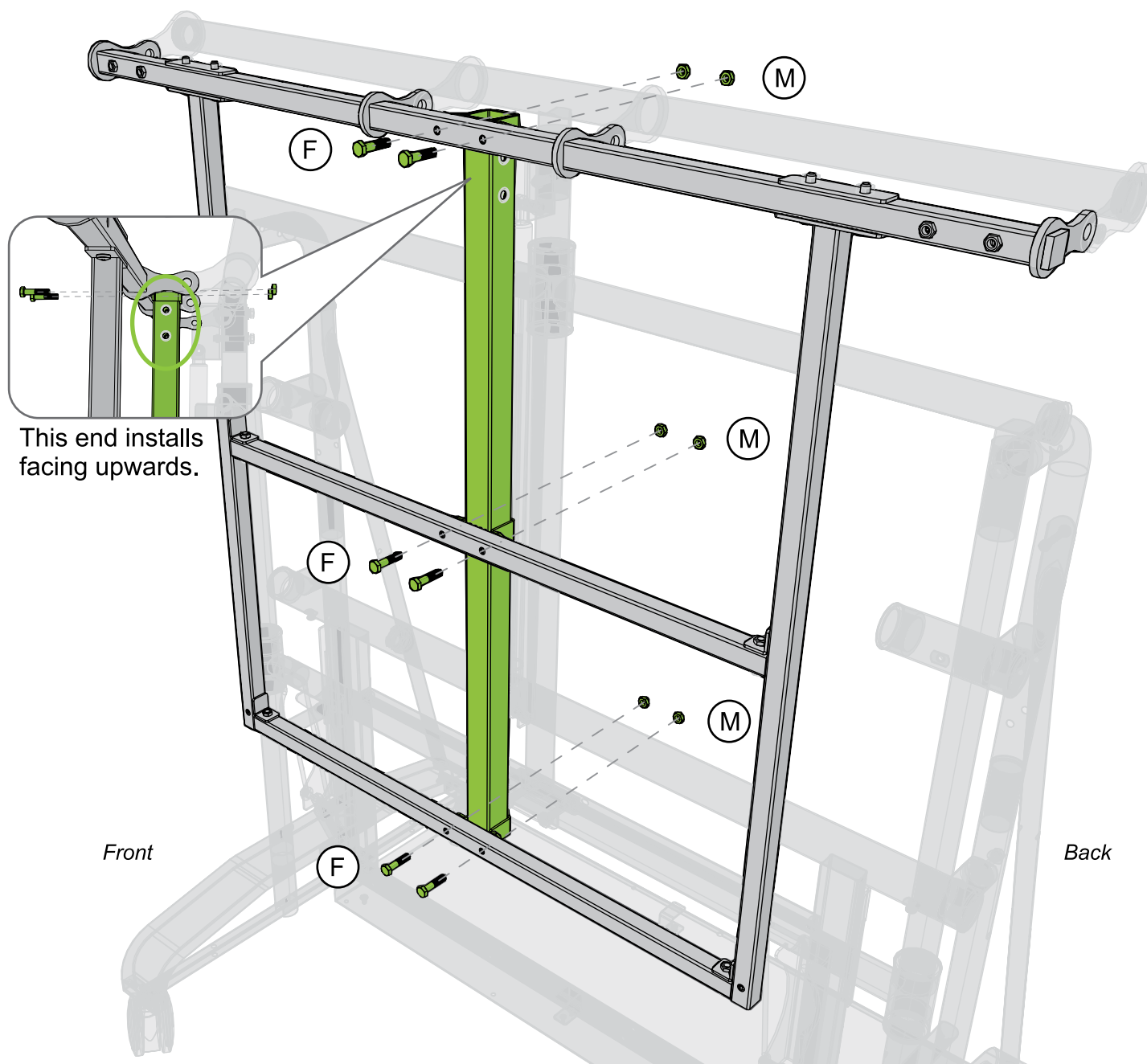
Install Center Support



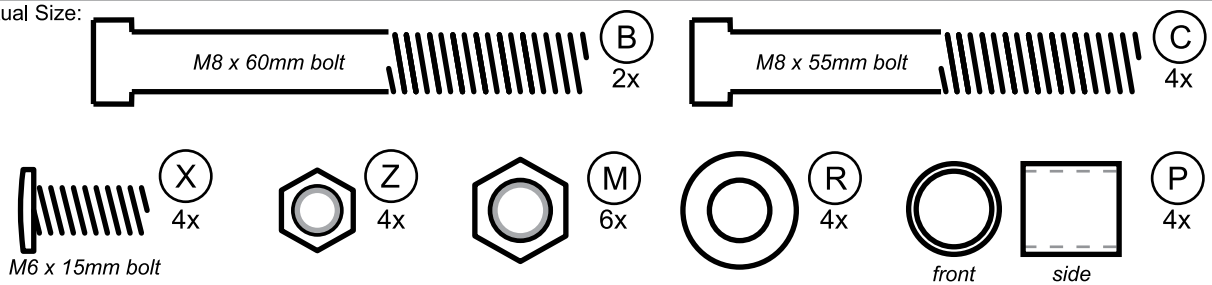
Watch orientation, make sure you install behind the stretchers



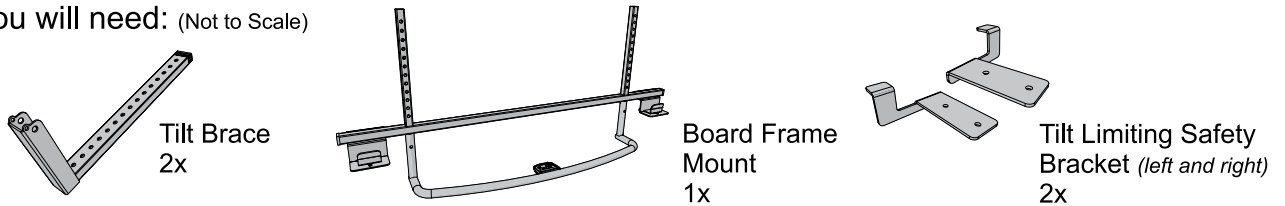
Install bolts & leave loose until all bolts are started. Then tighten all bolts.



Actual Size:



You will need: (Not to Scale)

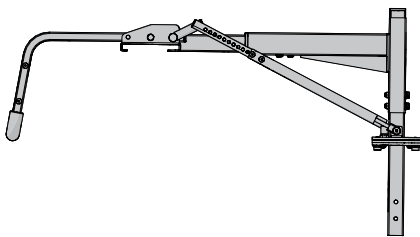


1 Determine Board Frame Mount Position



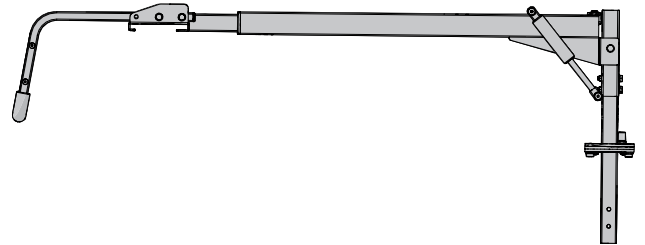
Before moving forward we need to know the following:

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



(Ultra Short Throw Projector Arm)

OR

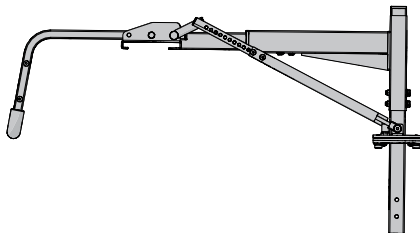


(Short Throw Projector Arm)

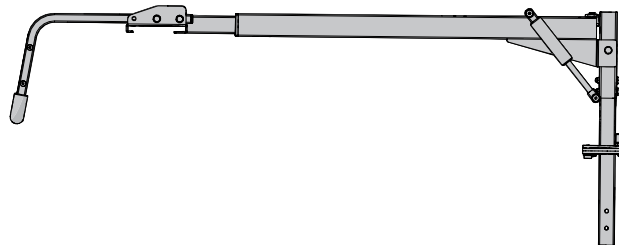
Once you know your projector & board combination turn to
the next page for setup details →



... continued



Ultra Short Throw Projector Arm



Short Throw Projector Arm

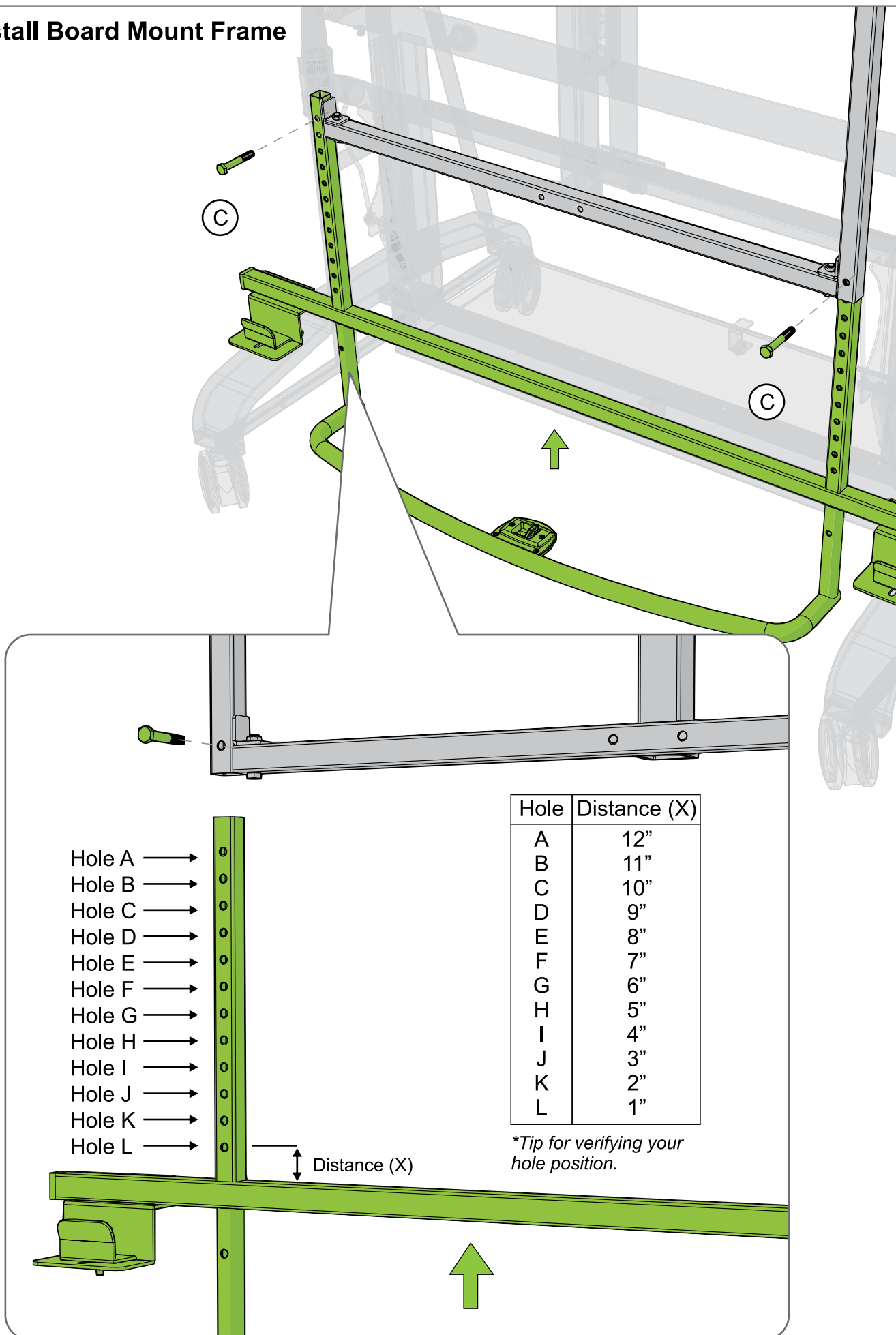
Projector	Model	Board ("SB" = Smart)	Board Frame
BenQ	MX850U-ST	SB 660	i
	MX850U-ST	SB 680	A
	MX850U-ST	SB 880	A
	MX850U-ST	SBM 680	A
	MX850U-ST	Promethean 378	A
	MW851U-ST	SB 680	A
	MW851U-ST	SB 880	A
	MW851U-ST	SB 685	A
	MW851U-ST	SB 885	A
	MW851U-ST	SBM 685	A
	MW843U-ST	SBM 685	A
Epson	470 / 480 / 570 / 580	SB 660	i
	470 / 480 / 570 / 580	SB 680	A
	470 / 480 / 570 / 580	SB 880	A
	470 / 480 / 570 / 580	SBM680	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
	*595Wi	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
	CP-AW2503	SB 885	A
	CP-AW2503	SBM 685	A
	CP-AW2503	Promethean ABT 88	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
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	SBM680	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
	436Wi	Copernicus 87" WB	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
NEC	EW331U-ST	SB 885	D
	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
Optoma	M352WS	SBM 685	C
	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
	W316ST	SBM 685	E

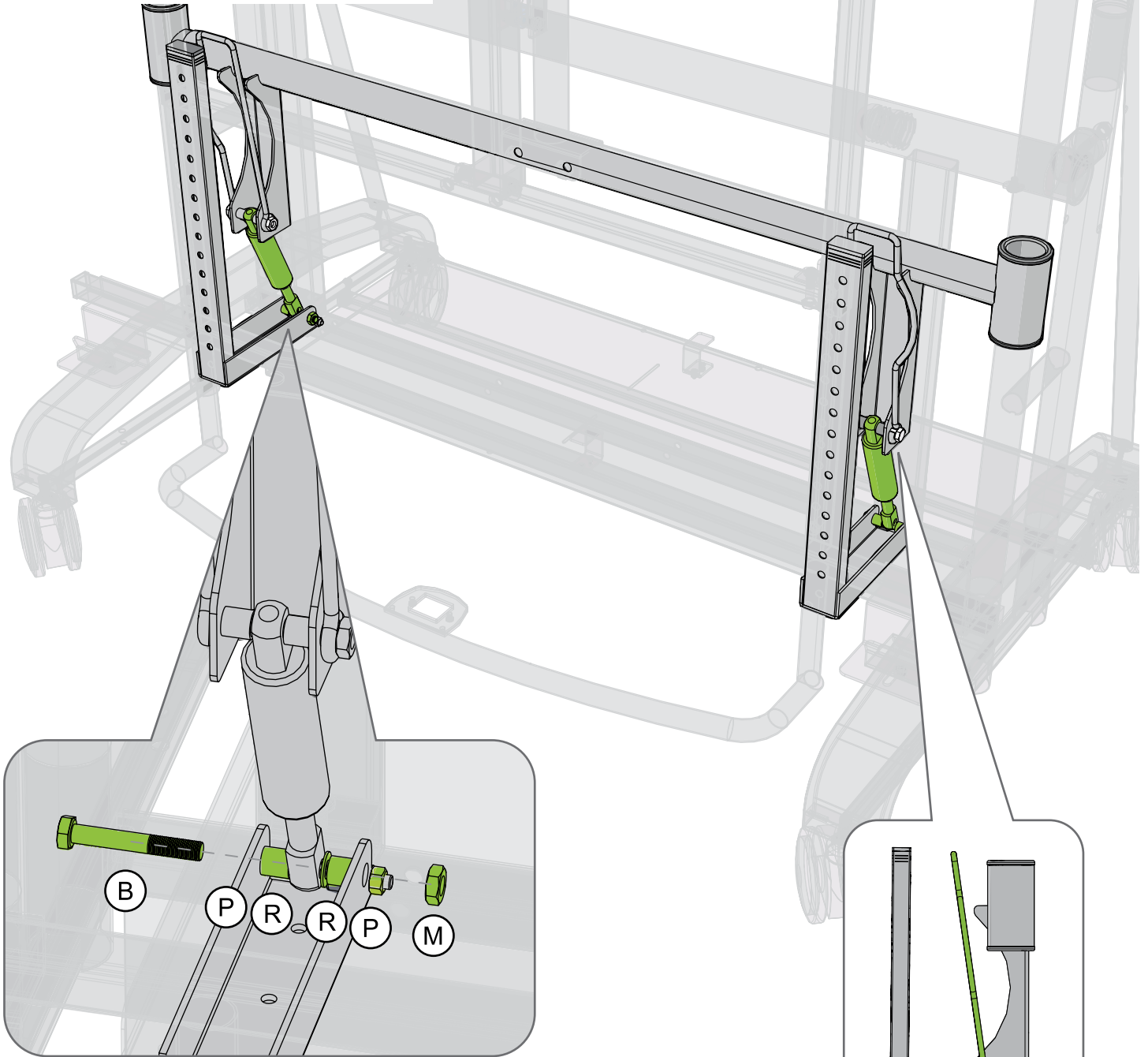
Don't see your projector & board combination here?
Check P.71 for a complete list of projectors.



2 Install Board Mount Frame



3 Secure Cylinders in Place

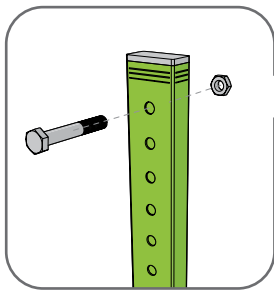


! Tighten bolts

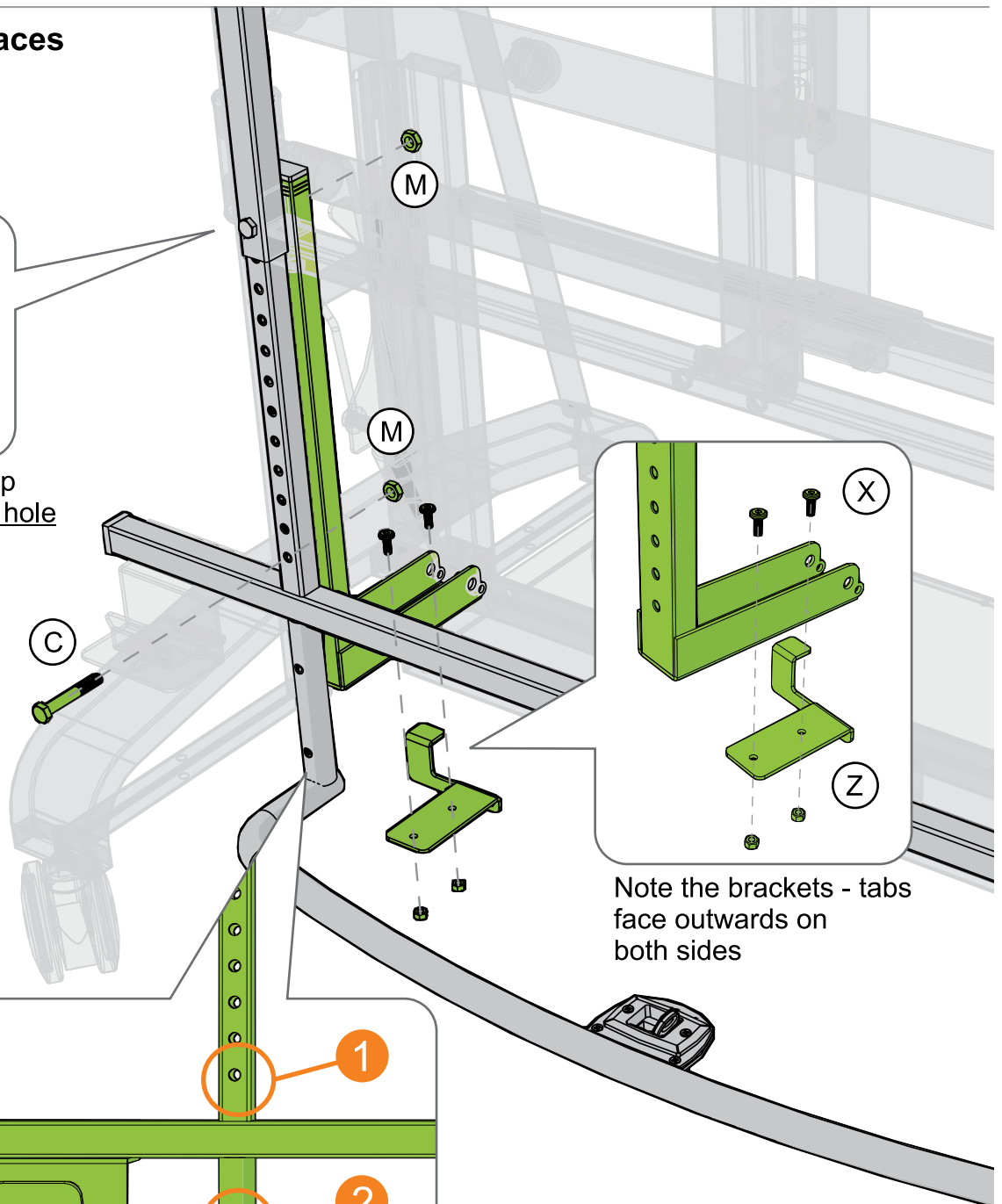
! Make sure fold down braces are folded up upon assembly



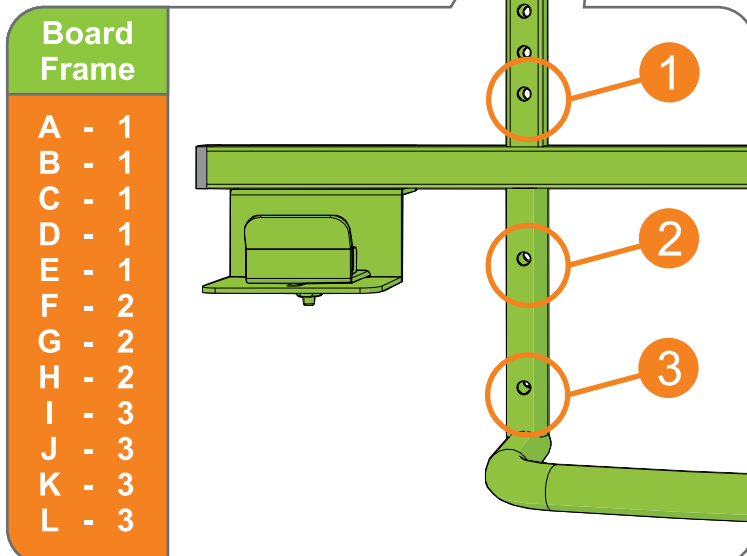
4 Attach Tilt Braces



Always install top bolt through top hole



Note the brackets - tabs face outwards on both sides



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



15

Actual Size:

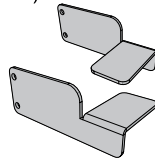


(G)
M6 x 50mm
4x



(Z)
M6 Lock Nut
4x

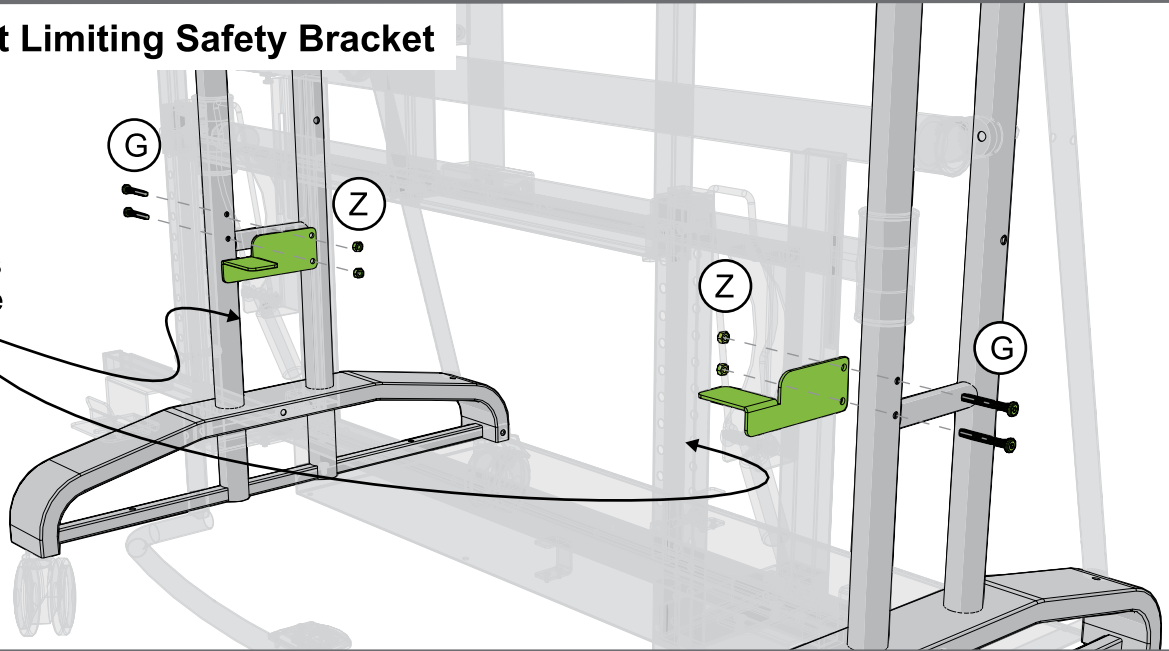
You will need: (Not to Scale)



Height Limiting Safety
Bracket (left and right)
2x

Install Height Limiting Safety Bracket

! Note tabs
must face
inward



16

Actual Size:



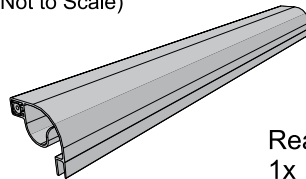
(G)
M6 x 50mm
2x



(Q)
M6 Lock Washer
2x

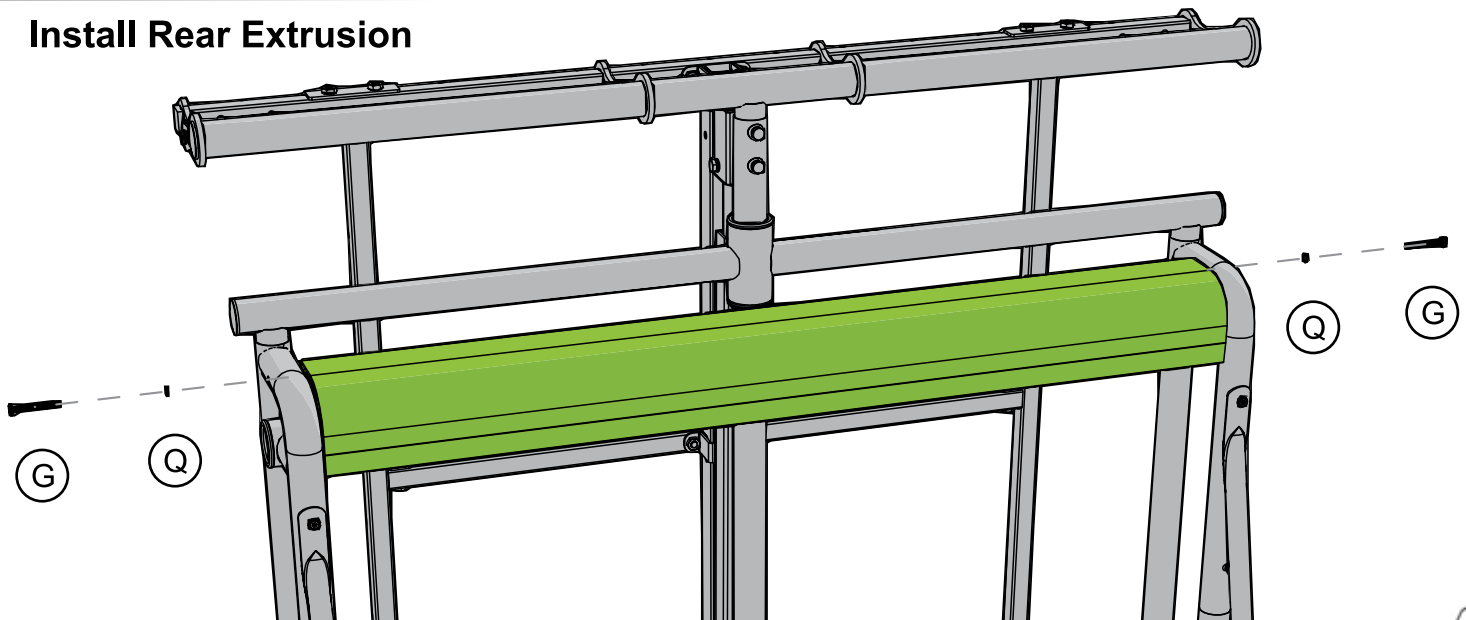
You will need: (Not to Scale)

2-Person Task



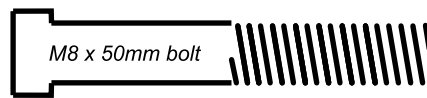
Rear Extrusion
1x

Install Rear Extrusion

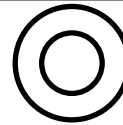


17

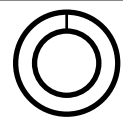
Actual Size:



LL
2x

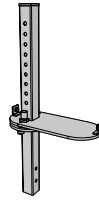


R
2x



S
2x

You will need: (Not to Scale)

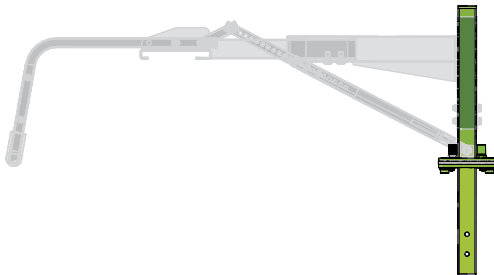


Ultra Short Throw
Projector Arm Post
1x



Short Throw
Projector Arm Post
1x

Select Your Projector Arm Post



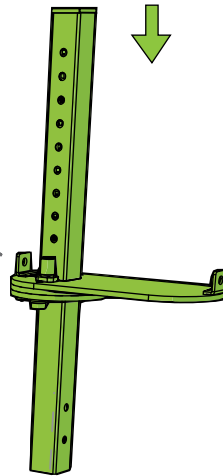
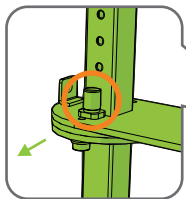
Ultra Short Throw Projector Arm



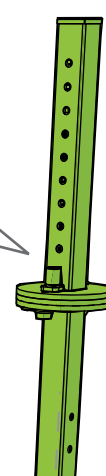
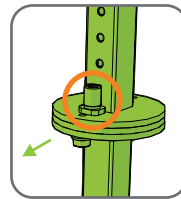
Short Throw Projector Arm

OR

! Note the ball
plunger faces
front of unit



! Note the ball
plunger faces
front of unit



Front

Front

R S LL

R S LL

18

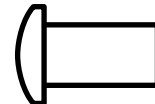
Actual Size:



Y
M6 x 40mm bolt
2x



Q
M6 Lock Washer
2x

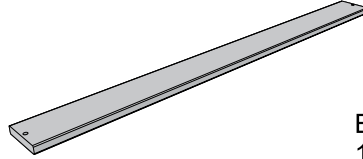


O
M6 Barrel Nut
2x

You will need: (Not to Scale)

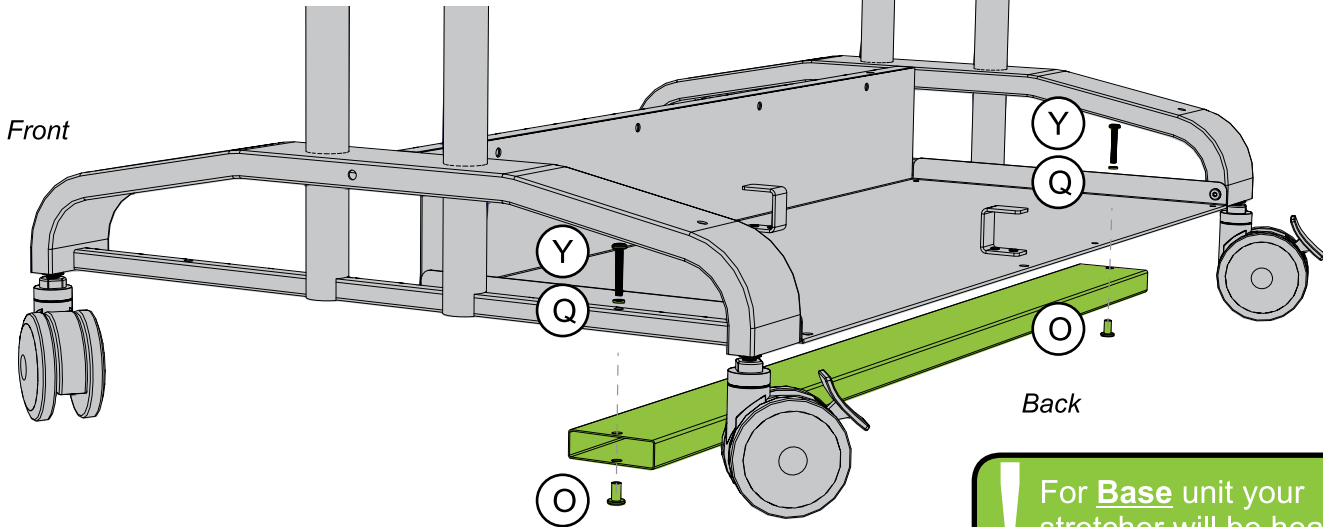


2-Person Task



Bottom Shelf Stretcher
1x

Install Bottom Shelf Stretcher Under Shelf



! For Base unit your
stretcher will be heavier

19

Actual Size:



H
M6 x 30mm
8x

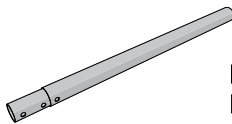


Q
M6 Lock Washer
8x

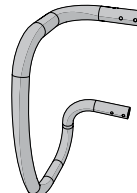


O
M6 Barrel Nut
8x

You will need: (Not to Scale)



Protective
Handle Extensions
4x



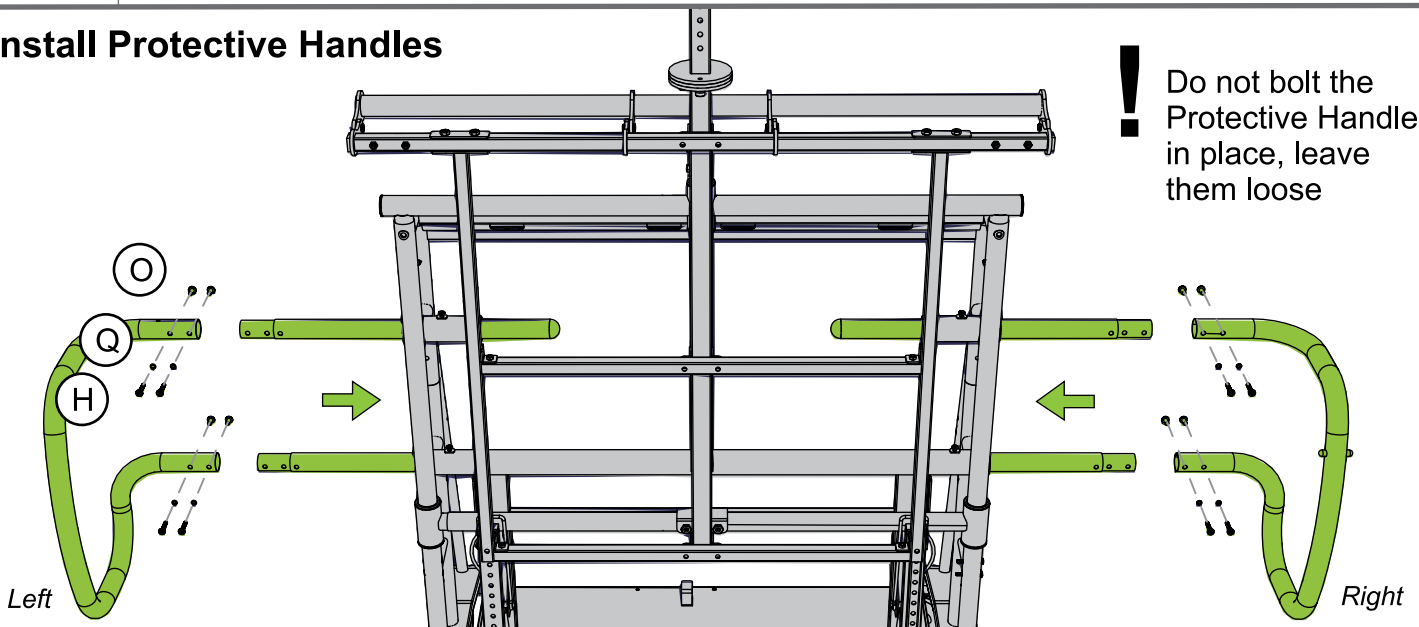
Protective
Handle Left
1x



Protective
Handle Right
1x

Install Protective Handles

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



20

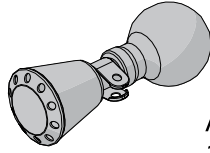
Actual Size:



M5 x 60mm bolt

J
1xXX
1x

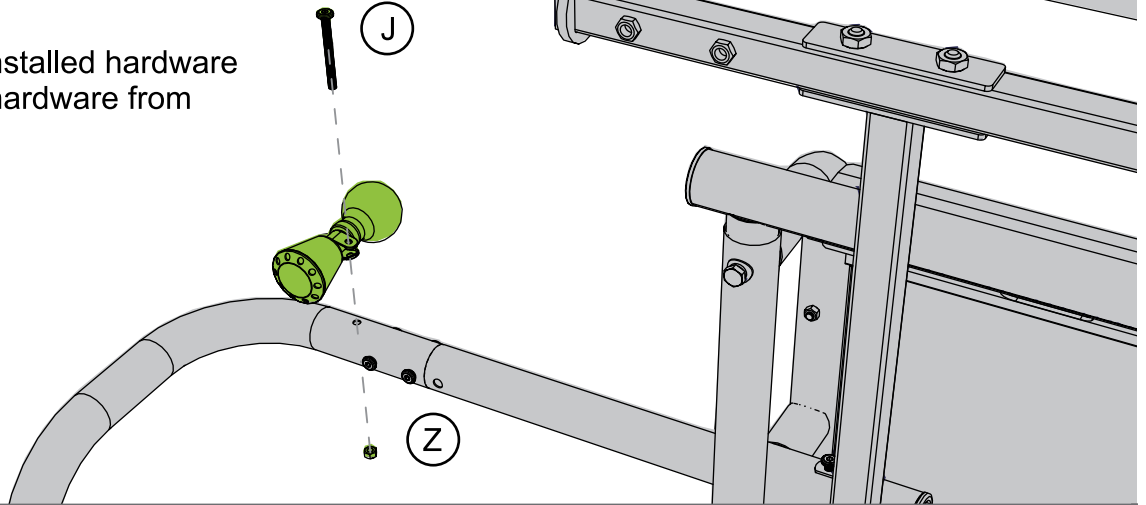
You will need: (Not to Scale)

Attention Horn
1x

Attach Attention Horn Optional

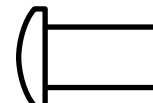


Replace installed hardware
with new hardware from
this step

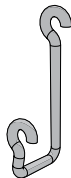


21

Actual Size:

i
M6 x 25mm
1xQ
M6 Lock Washer
1xO
M6 Barrel Nut
1x

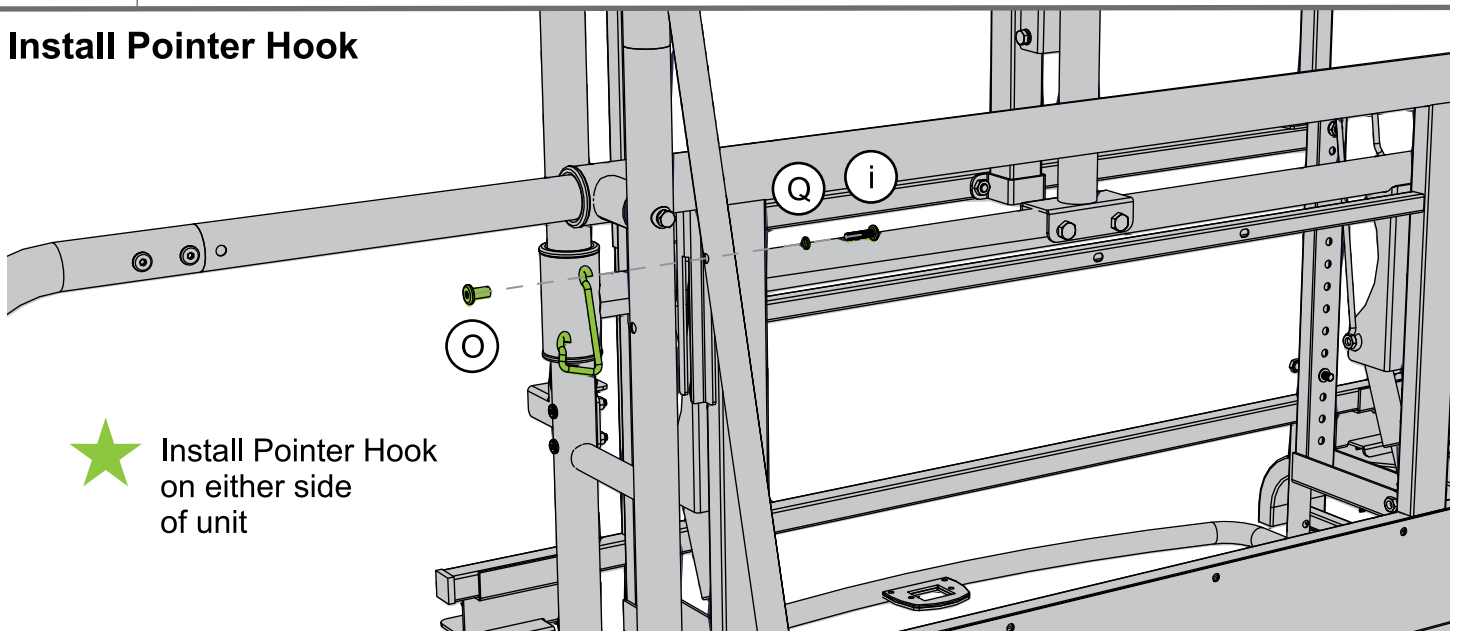
You will need: (Not to Scale)

Pointer Hook
1x

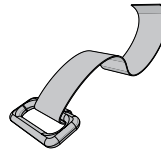
Install Pointer Hook



Install Pointer Hook
on either side
of unit



VGA Cable
1x



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

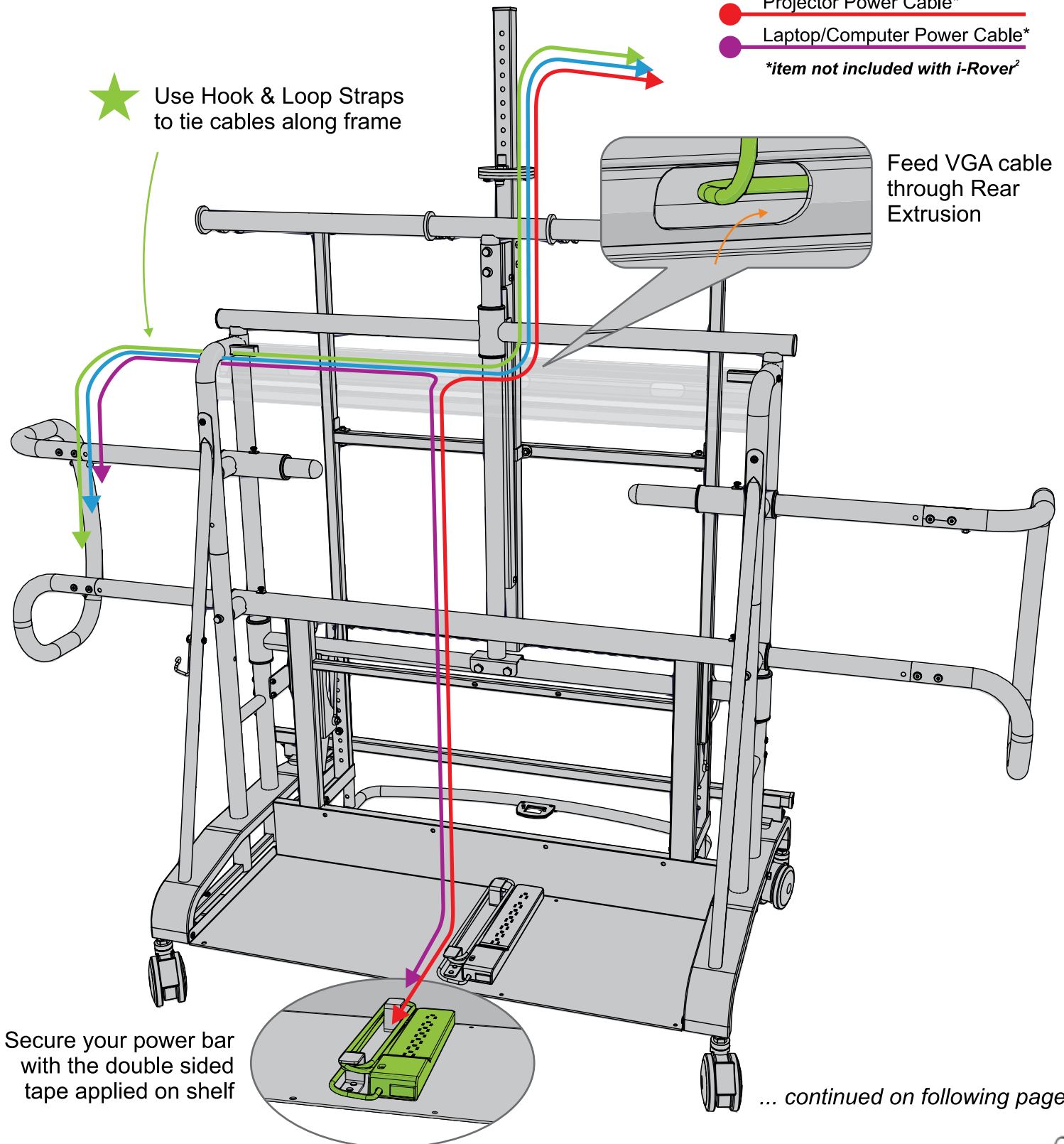
1 Route wires & attach power bar



Use Hook & Loop Straps
to tie cables along frame

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

Feed VGA cable
through Rear
Extrusion



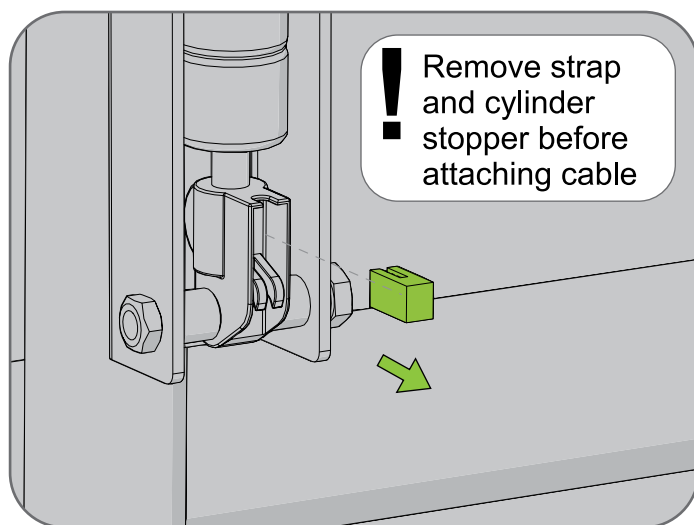
Secure your power bar
with the double sided
tape applied on shelf

... continued on following page

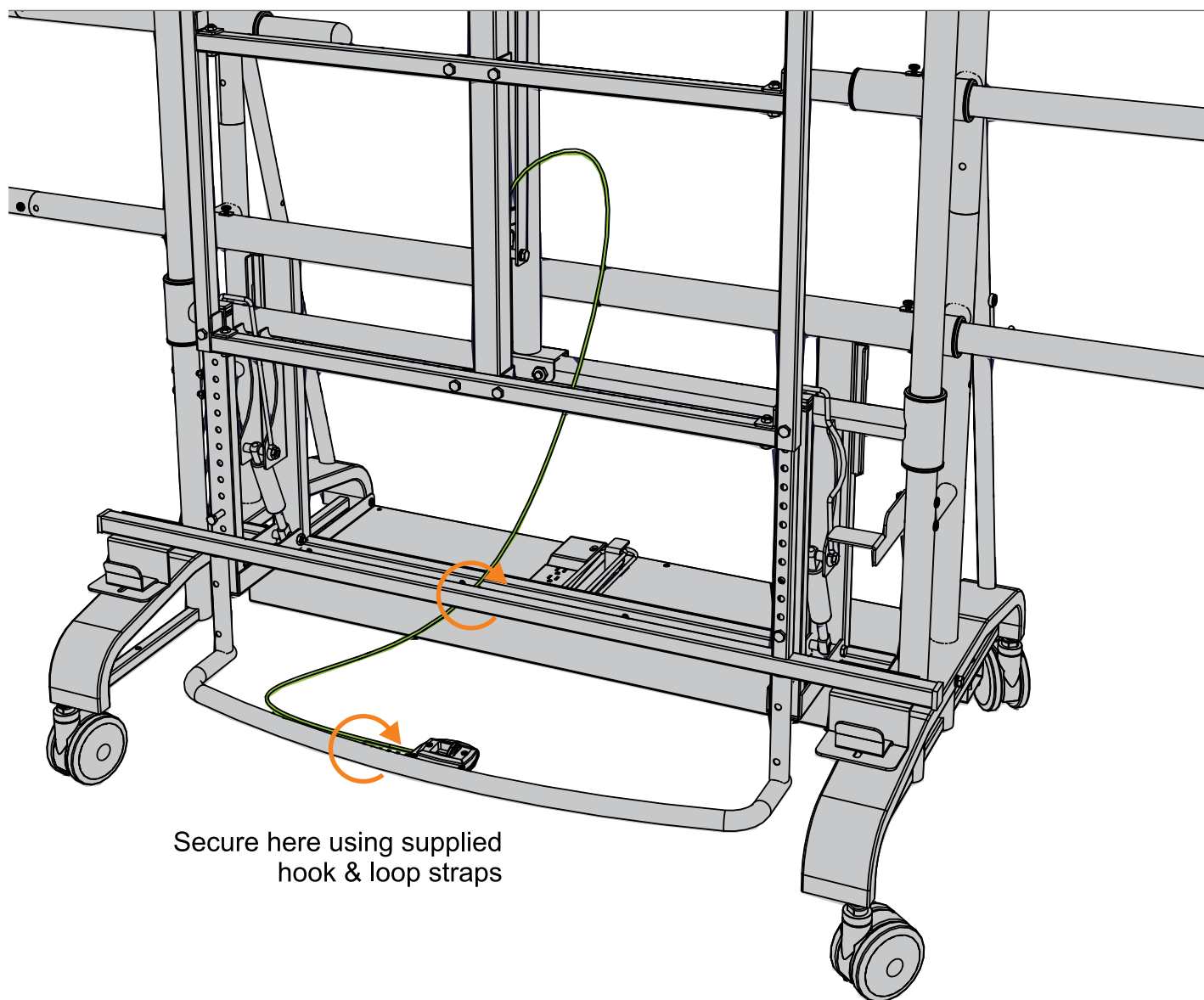
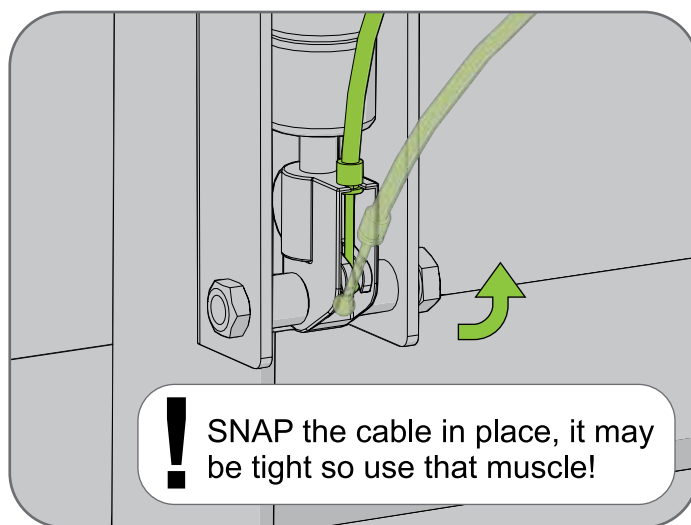


2 Hook up height Adjustment

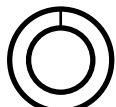
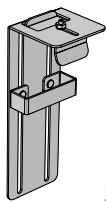
1) Attach bottom end of cable first



2) Lift cable and snap the top end into place

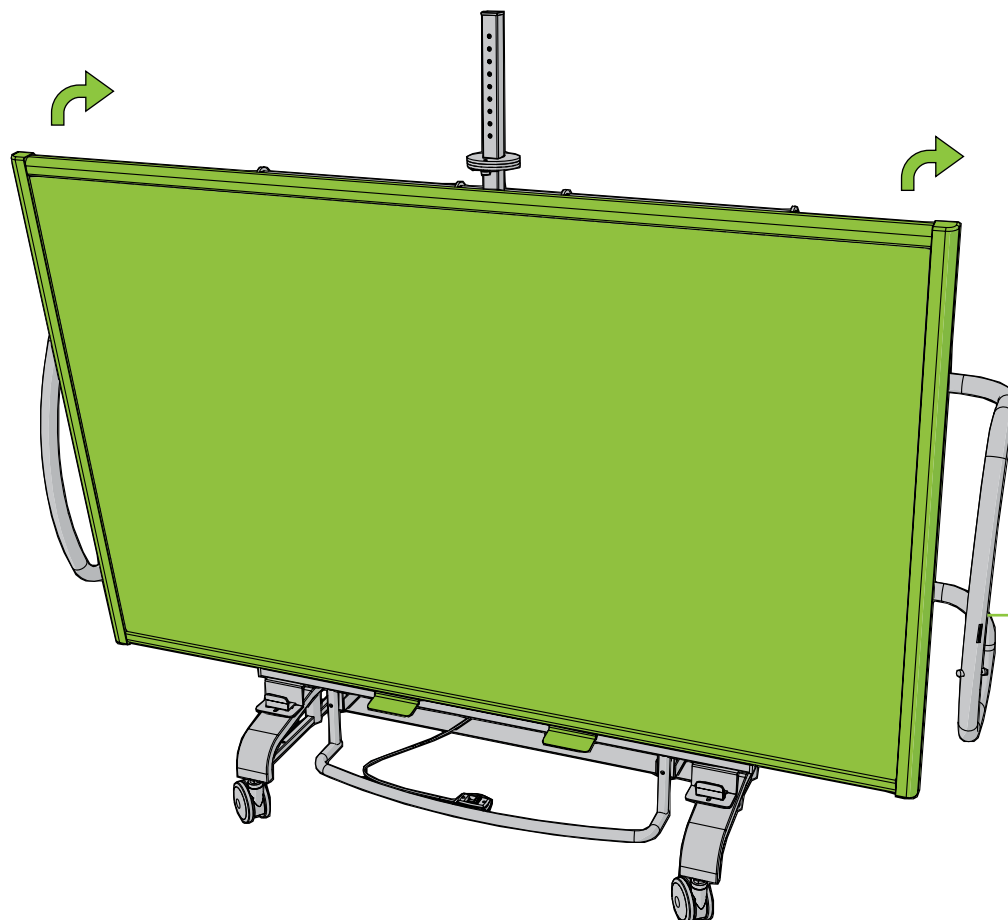


**! Skip to Step 24 if you are installing an Egan or Copernicus Whiteboard.
For all other boards continue here.**

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		

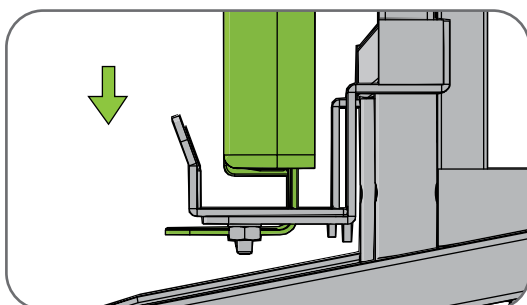
1 Attach board to unit

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.

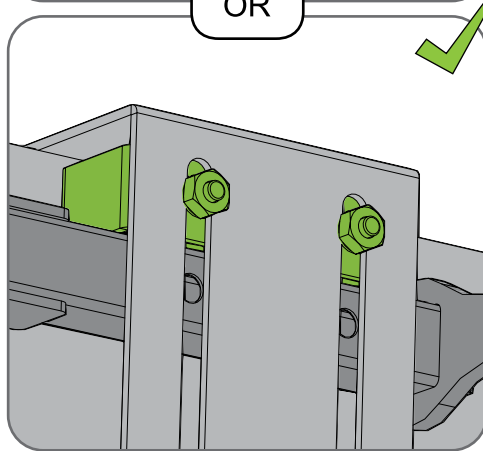
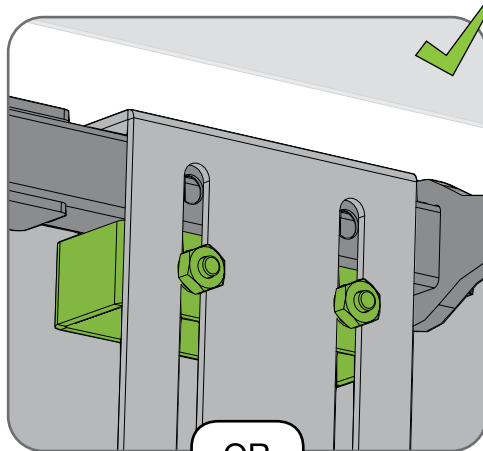
Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

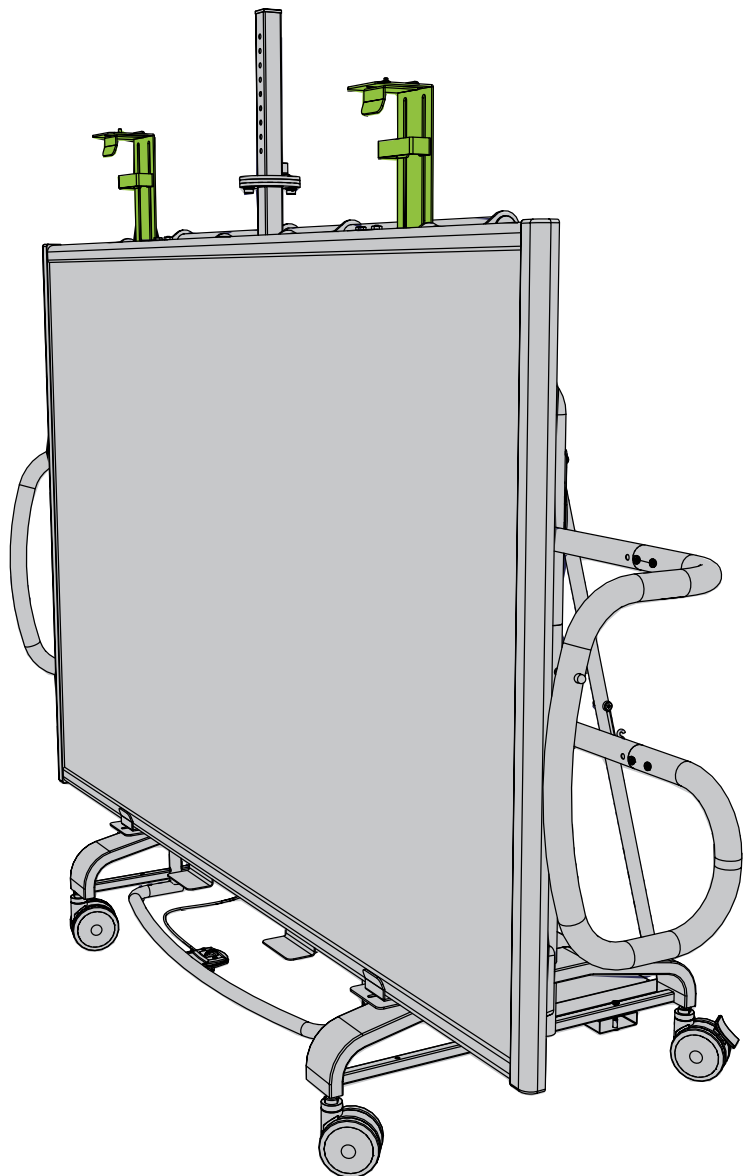
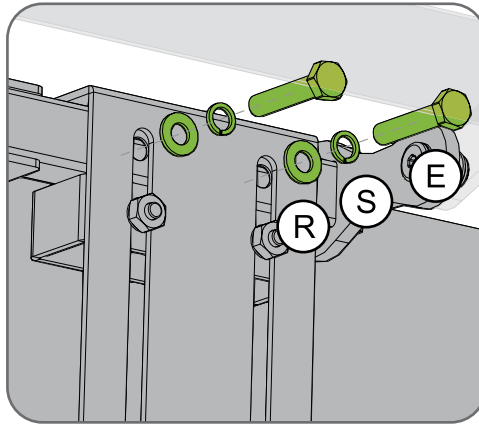
... continued on following page

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

24

Actual Size:

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

You will need: (Not to Scale)



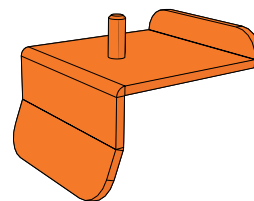
2-Person Task

Whiteboard Bracket
4x

1 Remove existing brackets

Press clamp
tighten so

4 Tighten Bolts by hand



x4

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

2 Install new Whiteboard Brackets

ZZ

YY

! Note orientation of
Whiteboard Bracket

YY

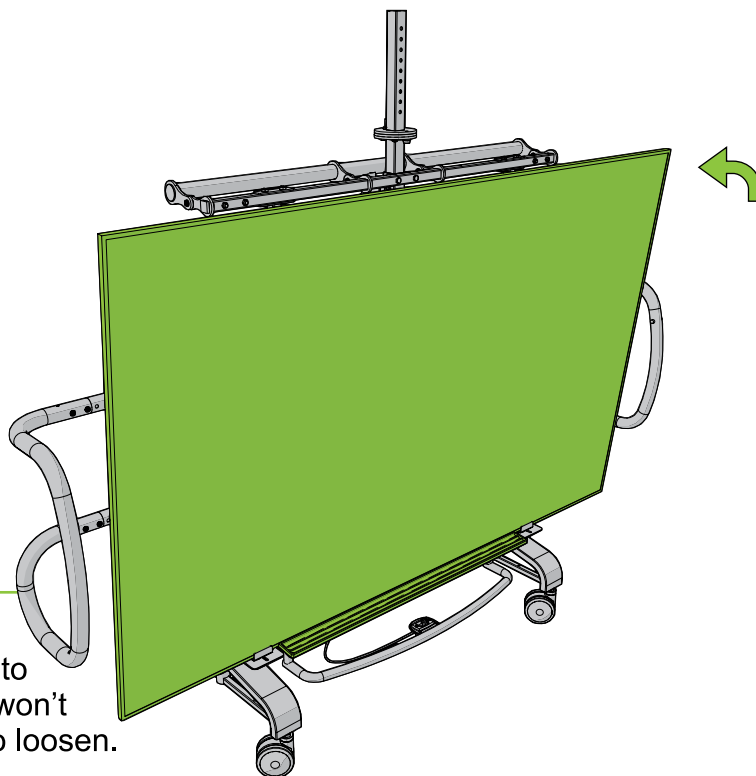
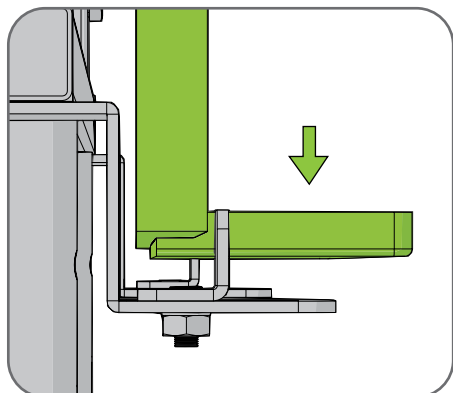
ZZ



3 Attach board to cart



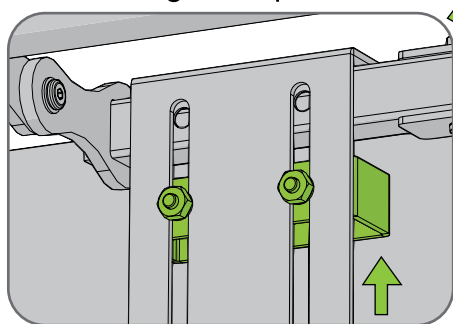
Don't forget to check out our tips for your whiteboard at:
www.copernicused.com



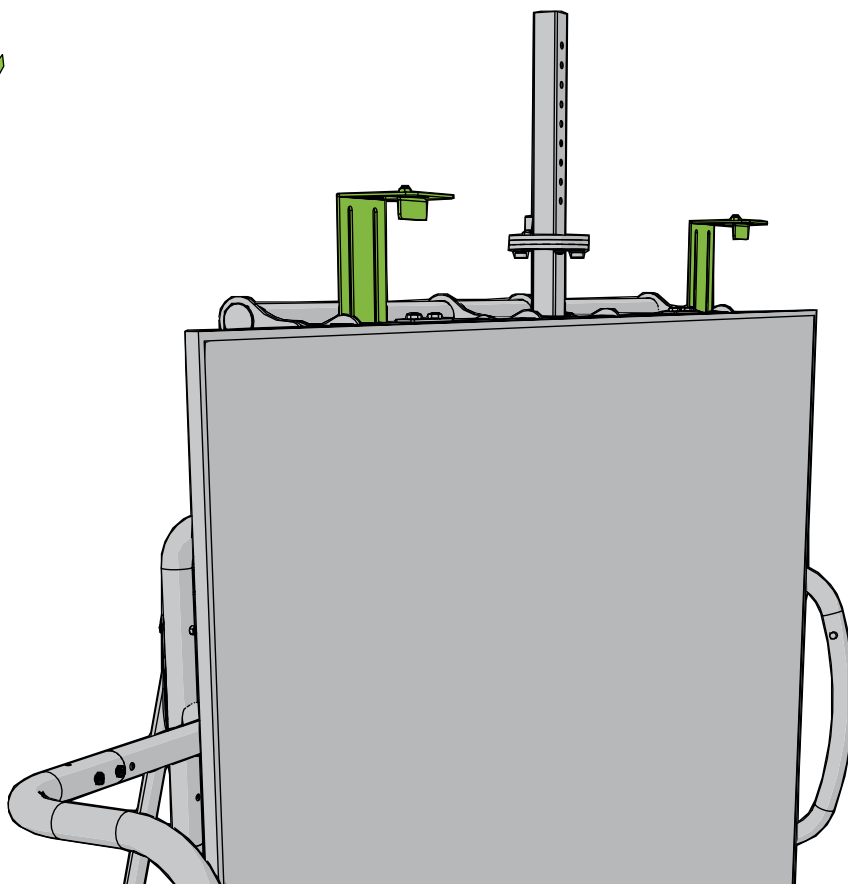
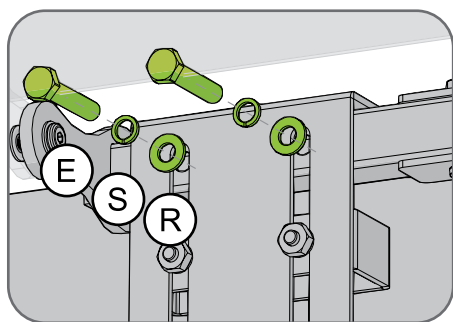
! You may need to slide your Protective Handles outward to fit around the board. If they won't move see Step 33 on how to loosen.

4 Attach Top Board Clamp Assembly

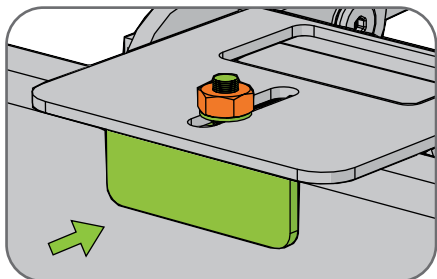
A) Slide the board support shown in green upward.



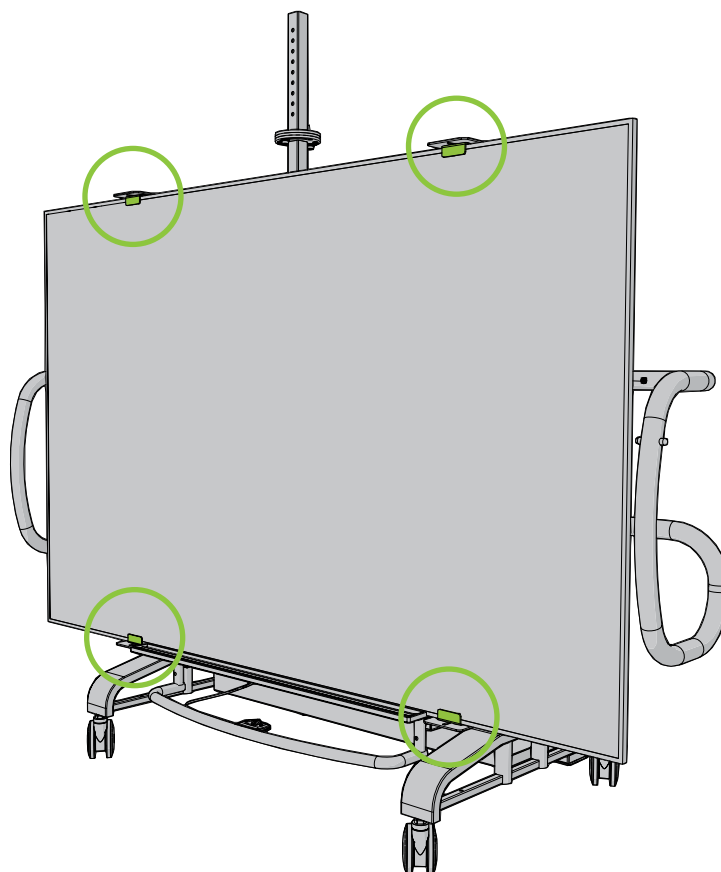
B) Do not fully tighten bolts, leave them loose for next step.



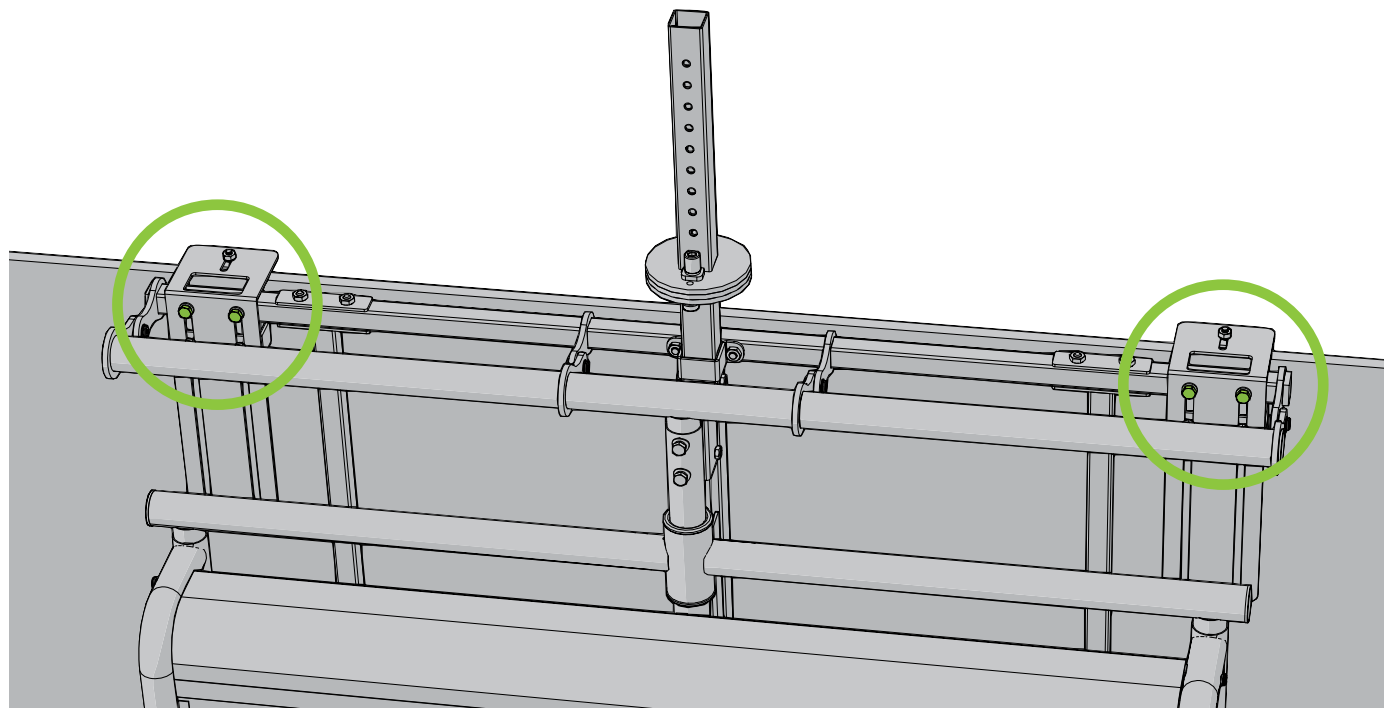
5 Tighten all clamps so they pull securely on board



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

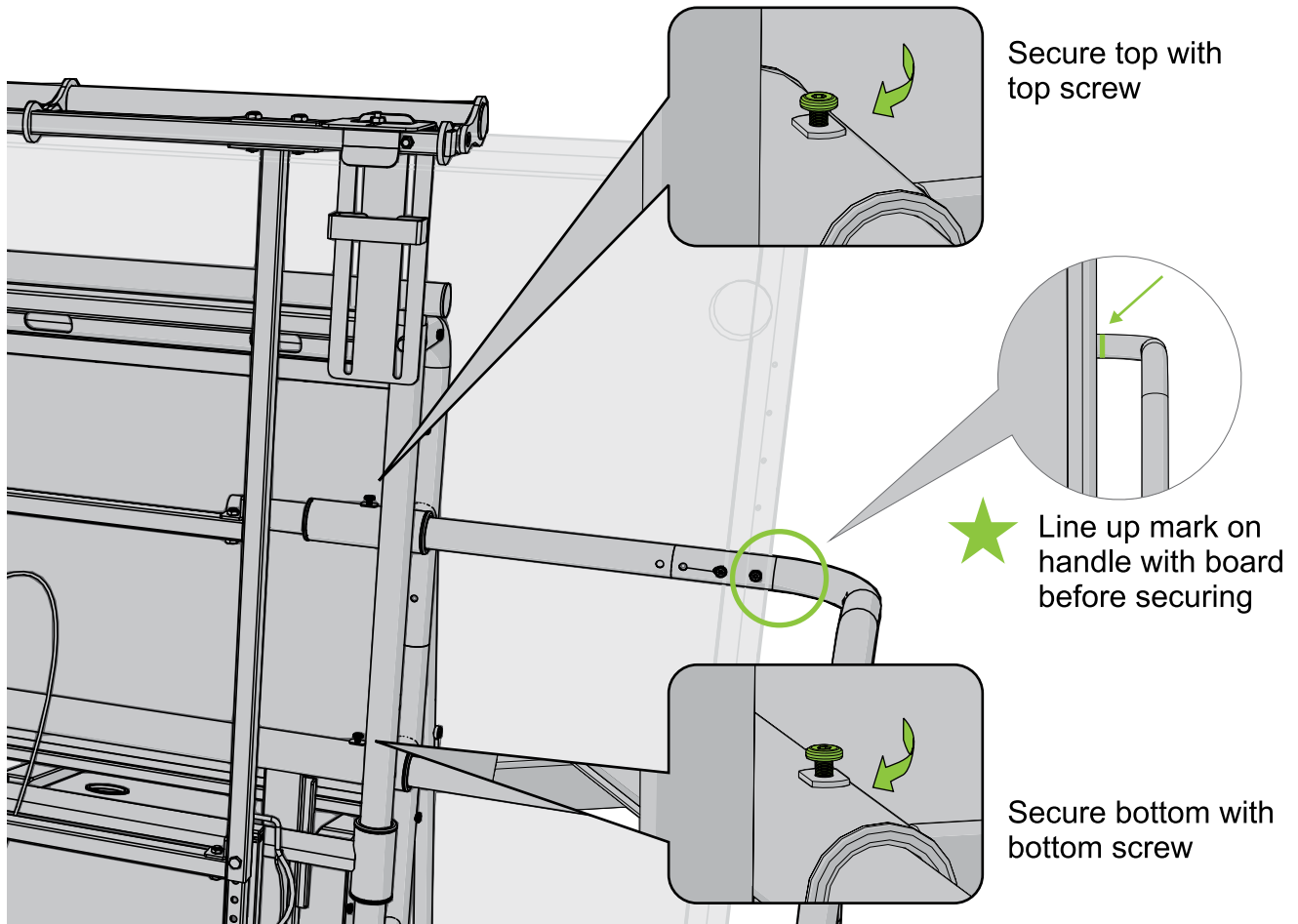


6 Tighten Board Clamp Assembly bolts



You will need: (Not to Scale)

Secure Protective Handles



Actual Size:



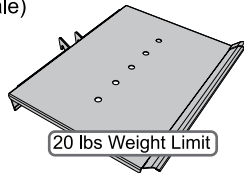
You will need: (Not to Scale)

Take a Break

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

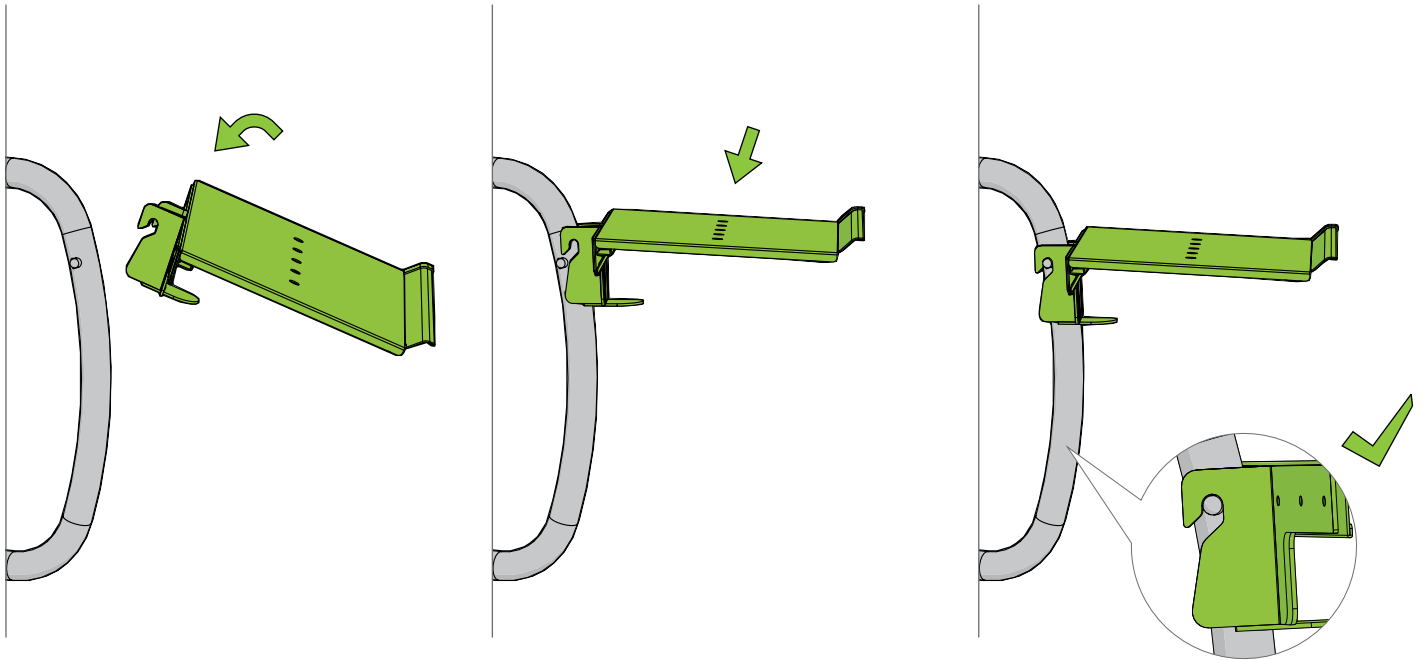


You will need: (Not to Scale)

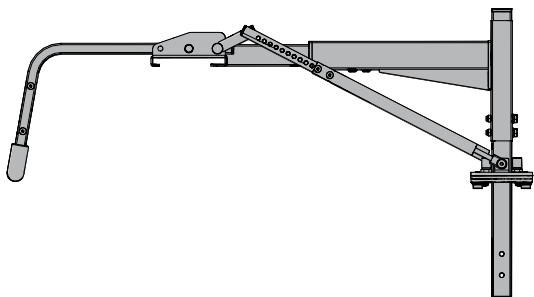
Laptop Tray
1x

Attach Laptop Tray

Optional

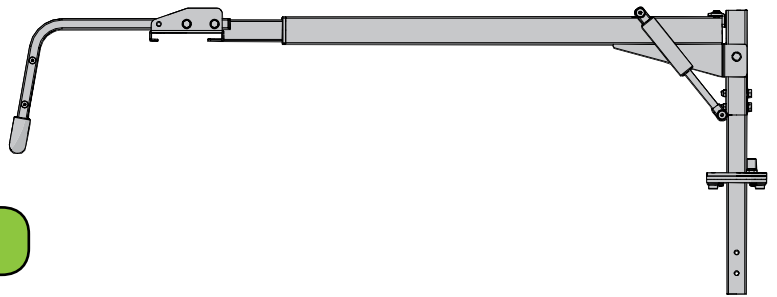


Choose Projector Arm



For UST Projector Arm
follow steps 35...

OR

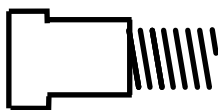


For ST Projector Arm
follow steps 36...



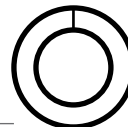
27.1

Actual Size:



JJ

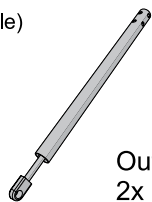
M10 Shoulder Bolt - M8 x 11mm thread
2x



GG

M10 lock washer
2x

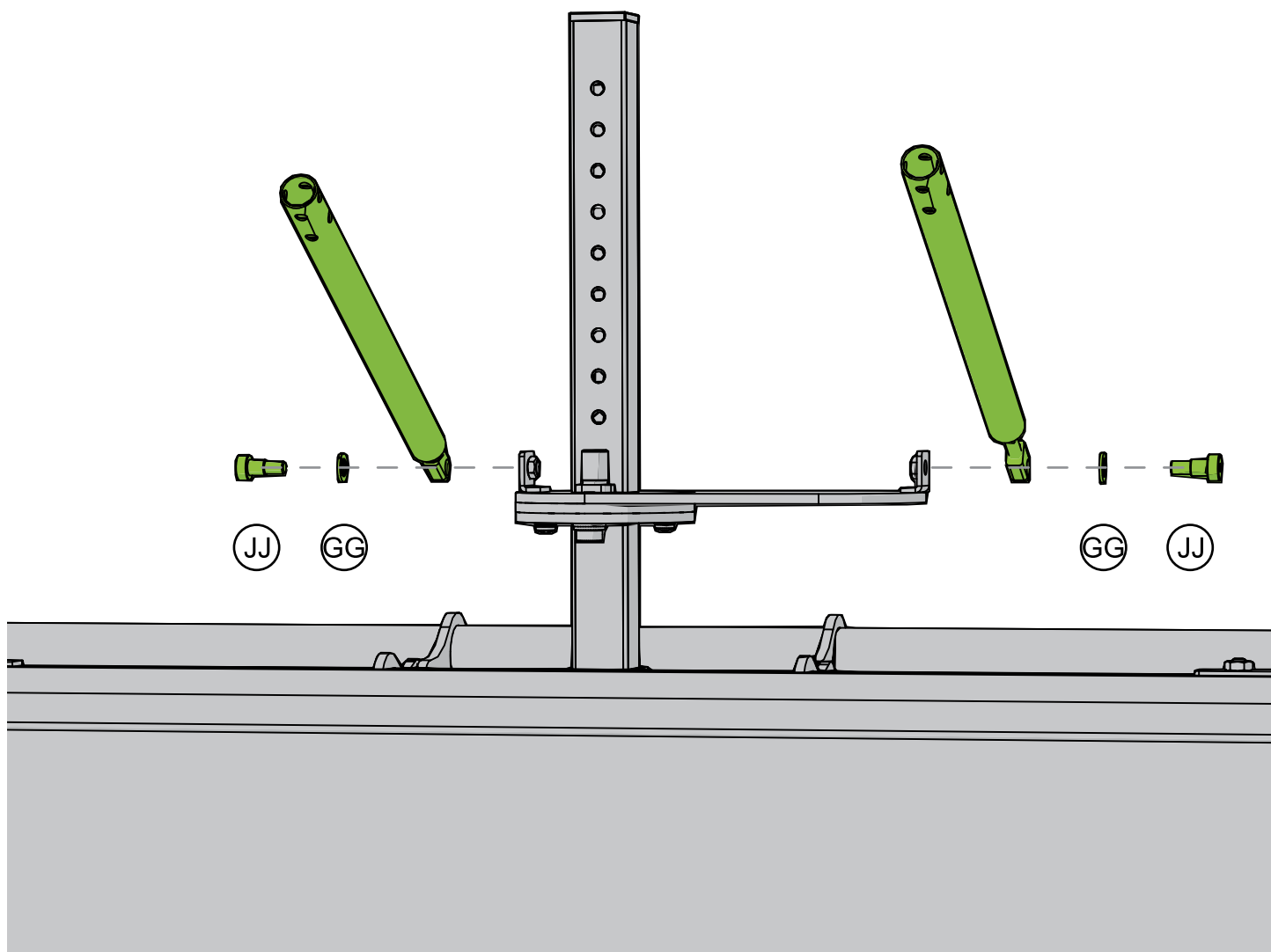
You will need: (Not to Scale)



Outer Brace
2x

Attach Outer Brace

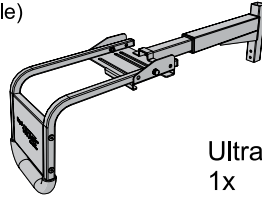
! Do not fully tighten these bolts,
you want the braces to move up and down
a little when aligning your projected image





2-Person Task

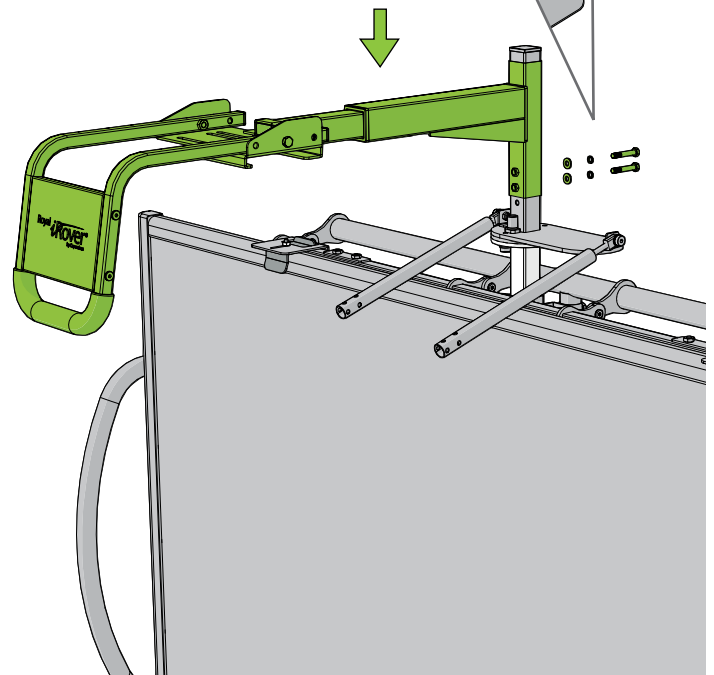
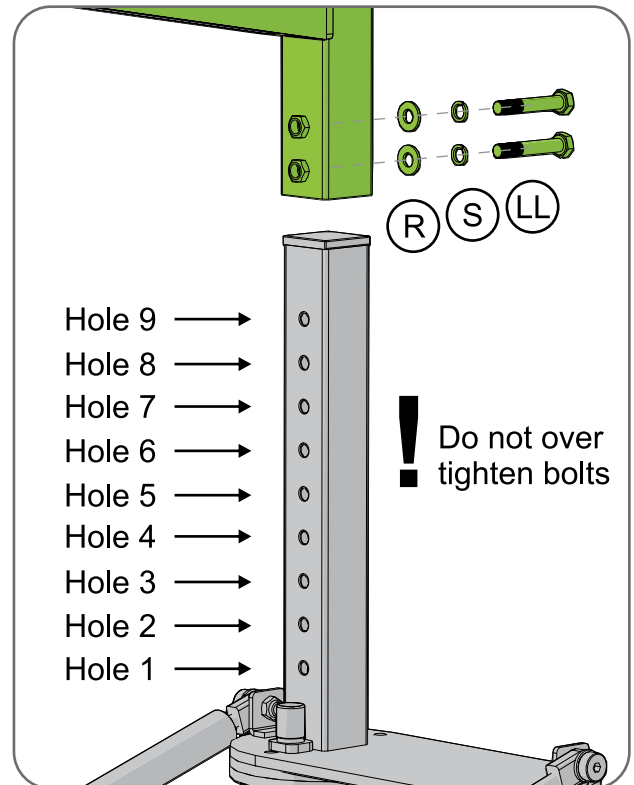
You will need: (Not to Scale)

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
	CP-A220N	SB 660	7,8
	CP-A220N	SB 680	4,5
	CP-A220N	SB 880	5,6
	CP-A220N	SBM 680	4,5
Hitachi	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
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:



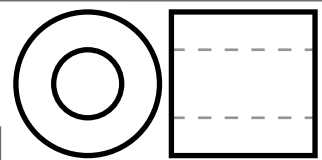
(KK) 4x



(R) 4x

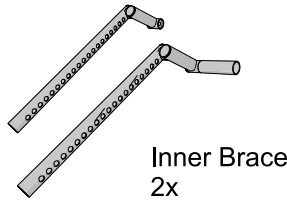


(S) 4x



(ii) 2x

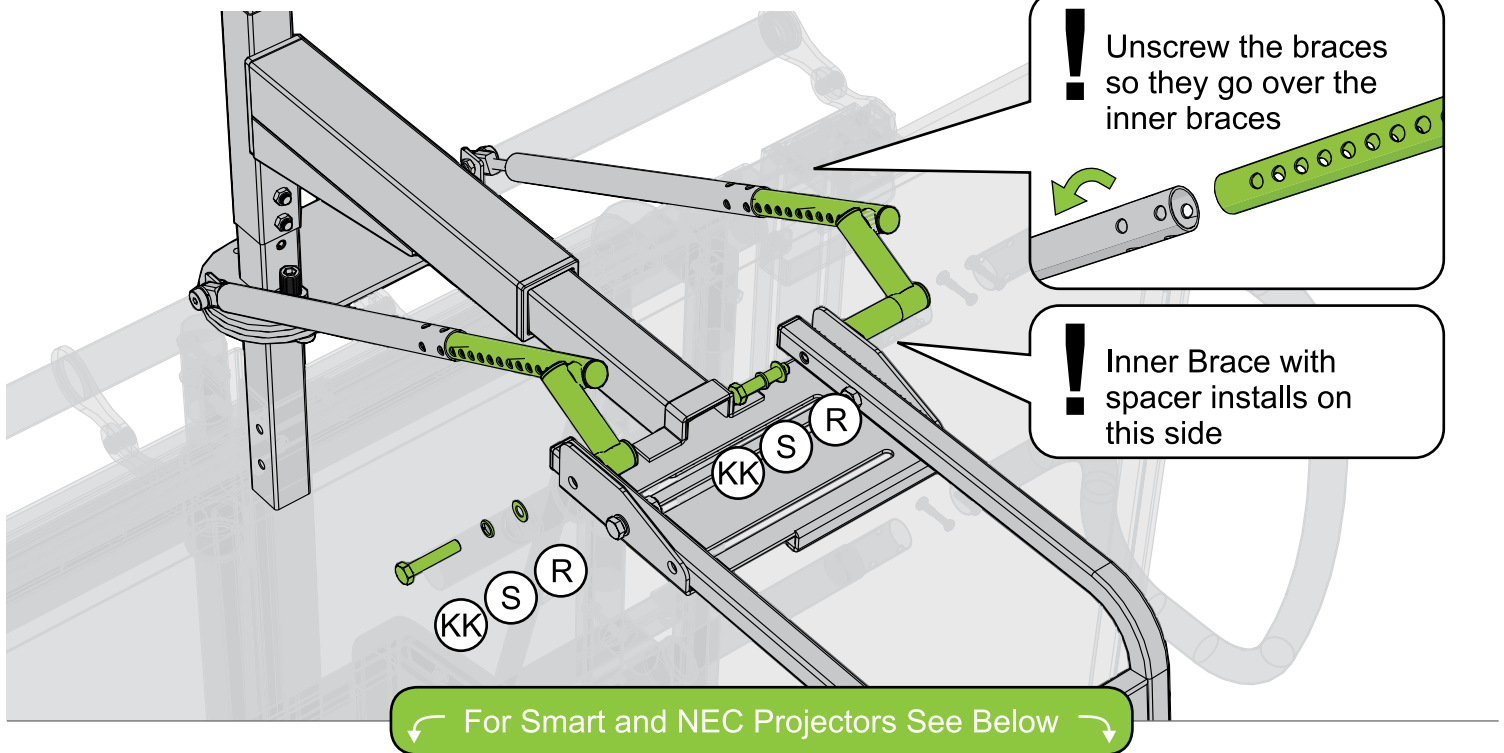
You will need: (Not to Scale)



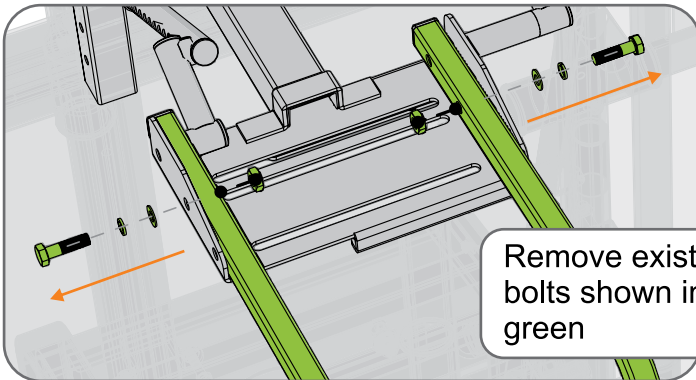
front

side

Secure Handle and Braces

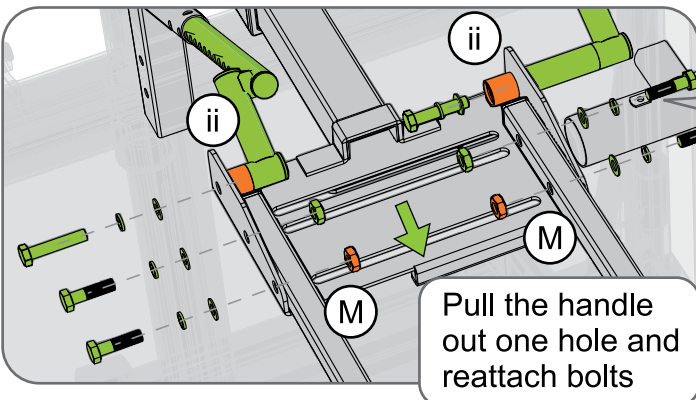


1)



Remove existing bolts shown in green

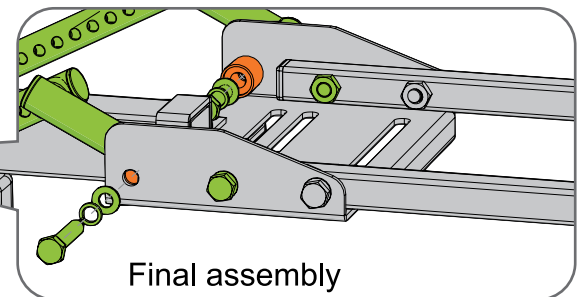
2)



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

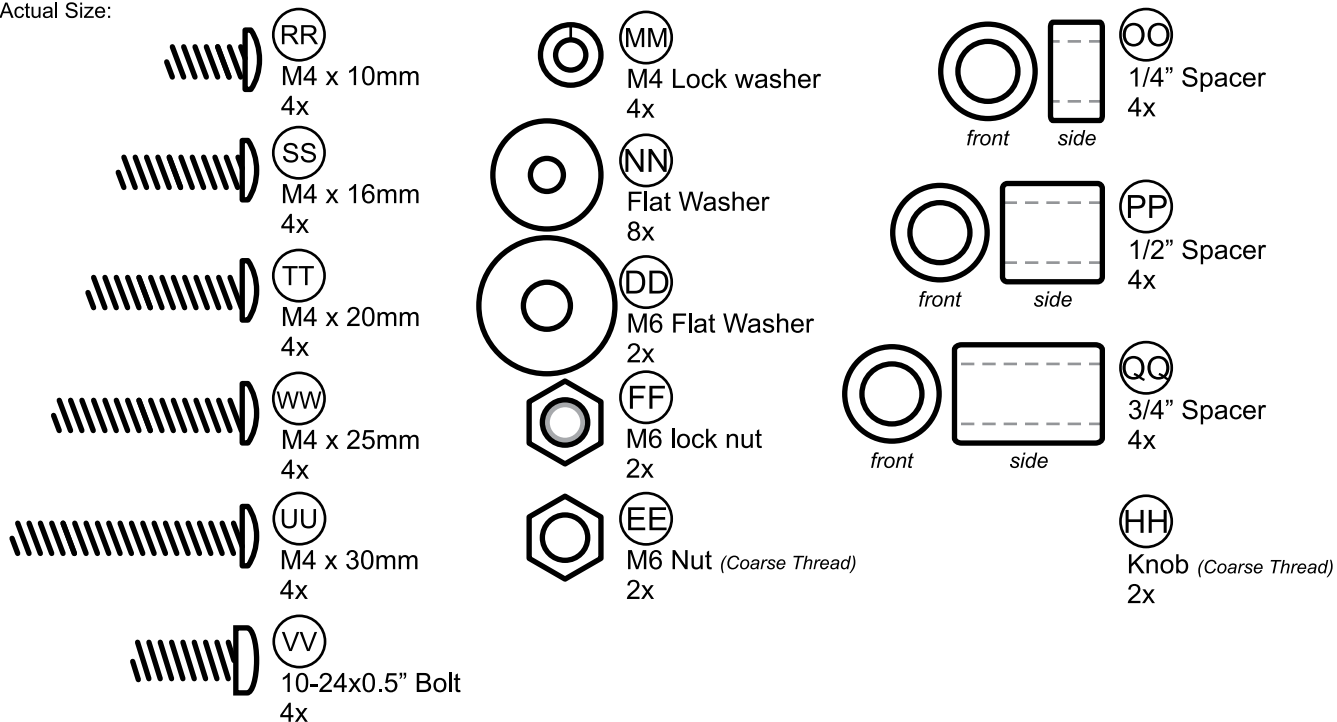


Final assembly



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

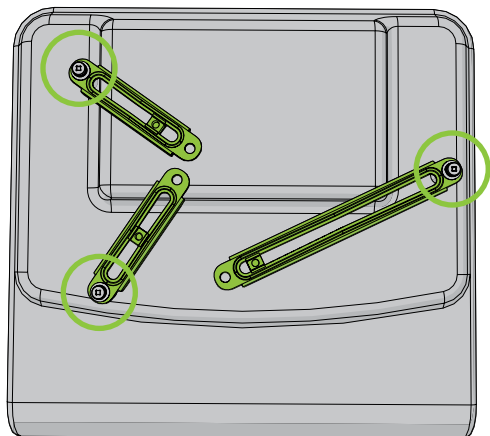
1 Attach Spider Arms

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.

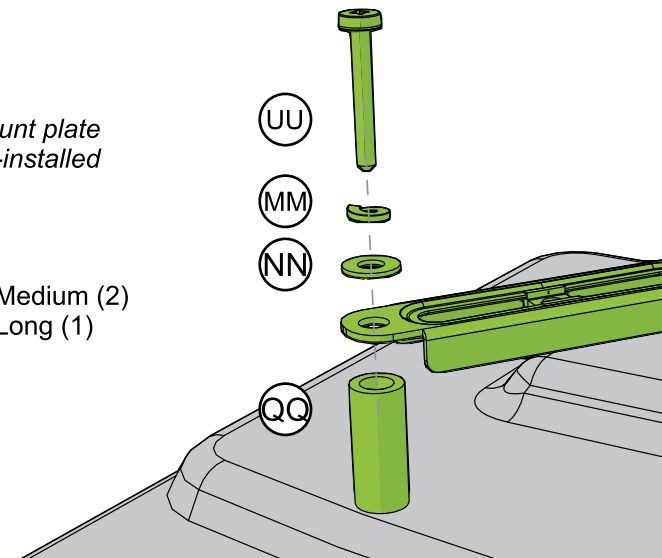
Attaching Spider Arms to BenQ MX850UST/MW851UST/MW843UST

image projection ↑



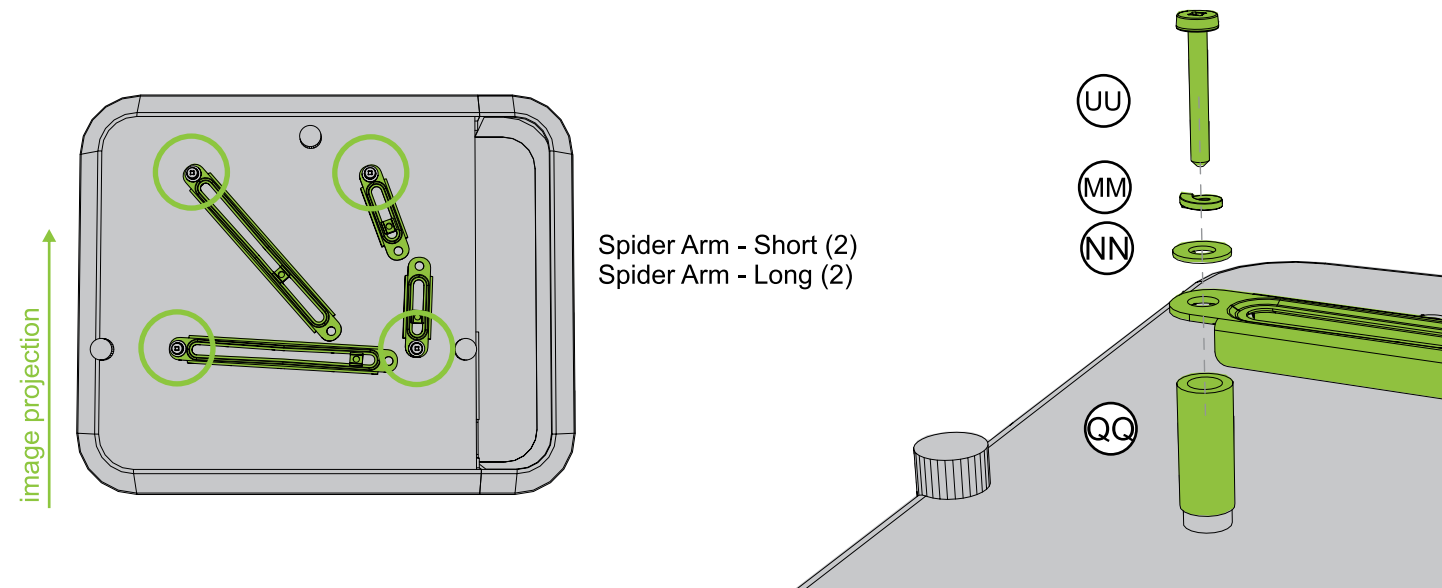
! If white mount plate comes pre-installed remove it.

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

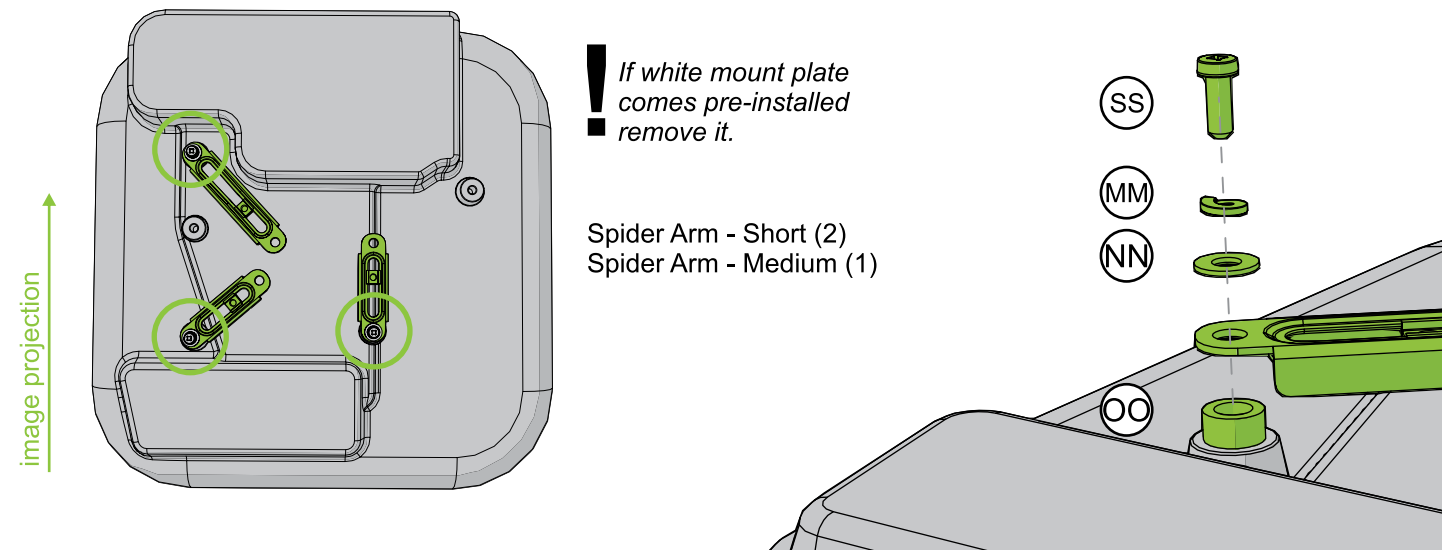


... continued

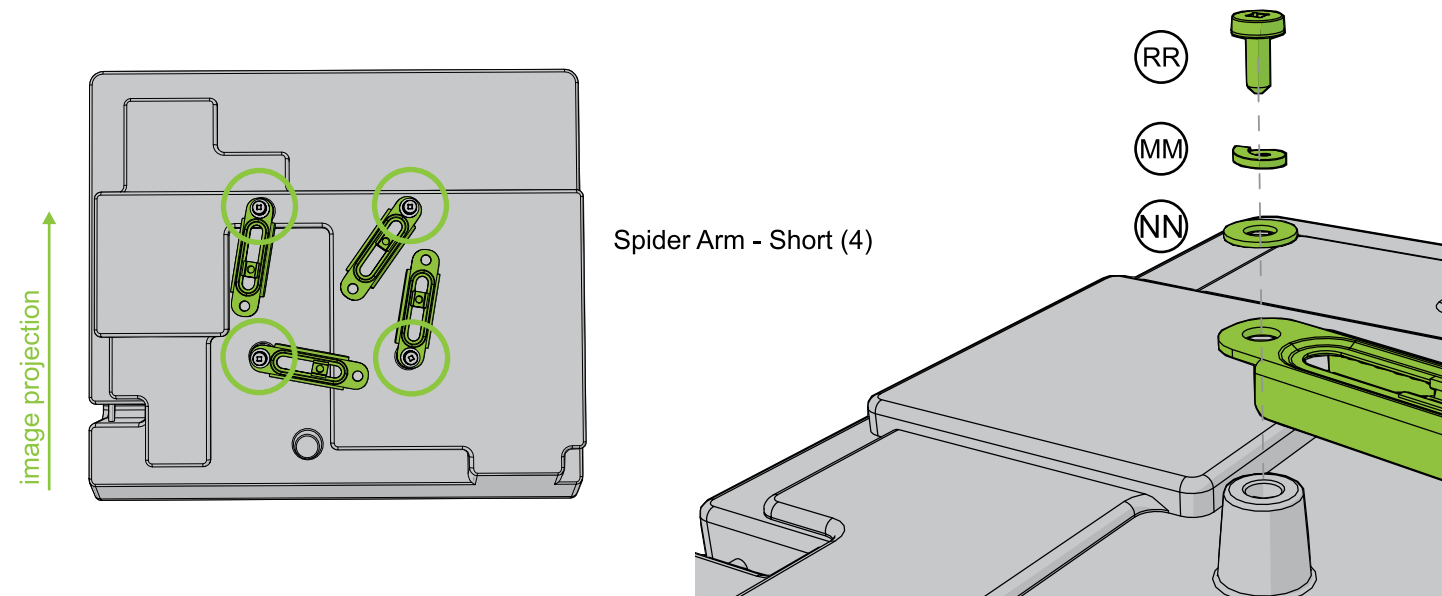
Attaching Spider Arms to Casio XJ-UT310WN



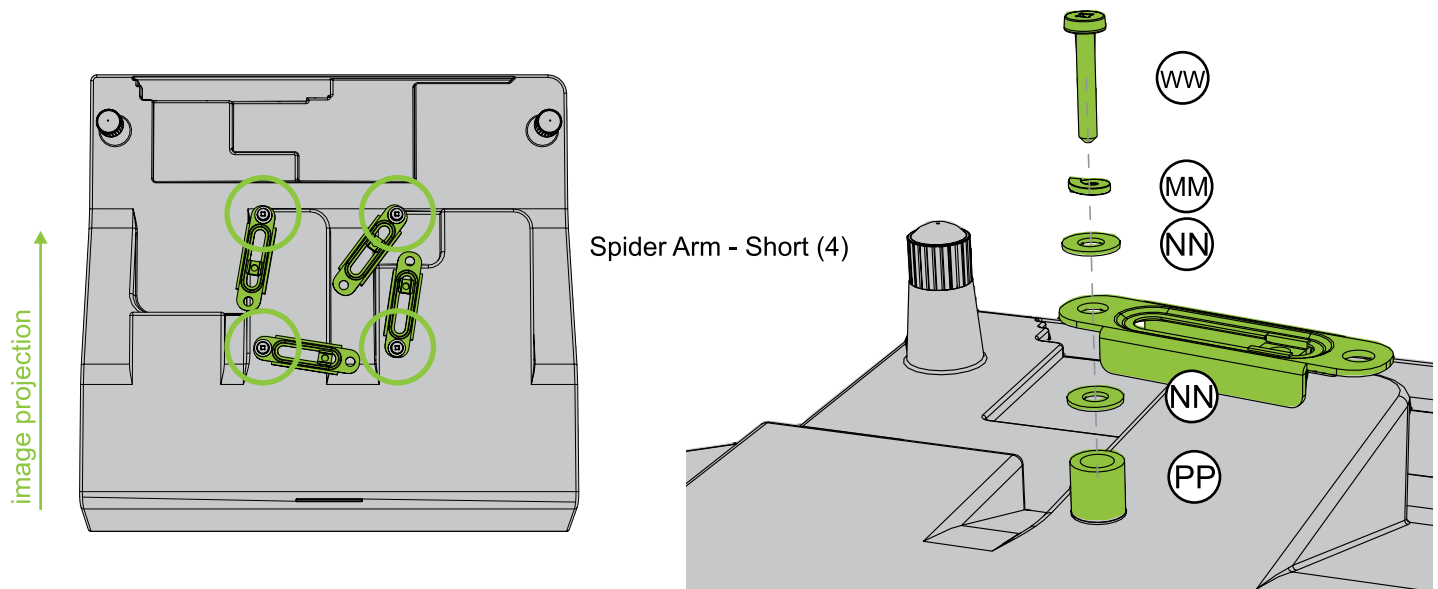
Attaching Spider Arms to Epson 470/470i/475W/475Wi, 480/480i/485W/485Wi, 570/575W/575Wi, 580/585W/585Wi/595Wi



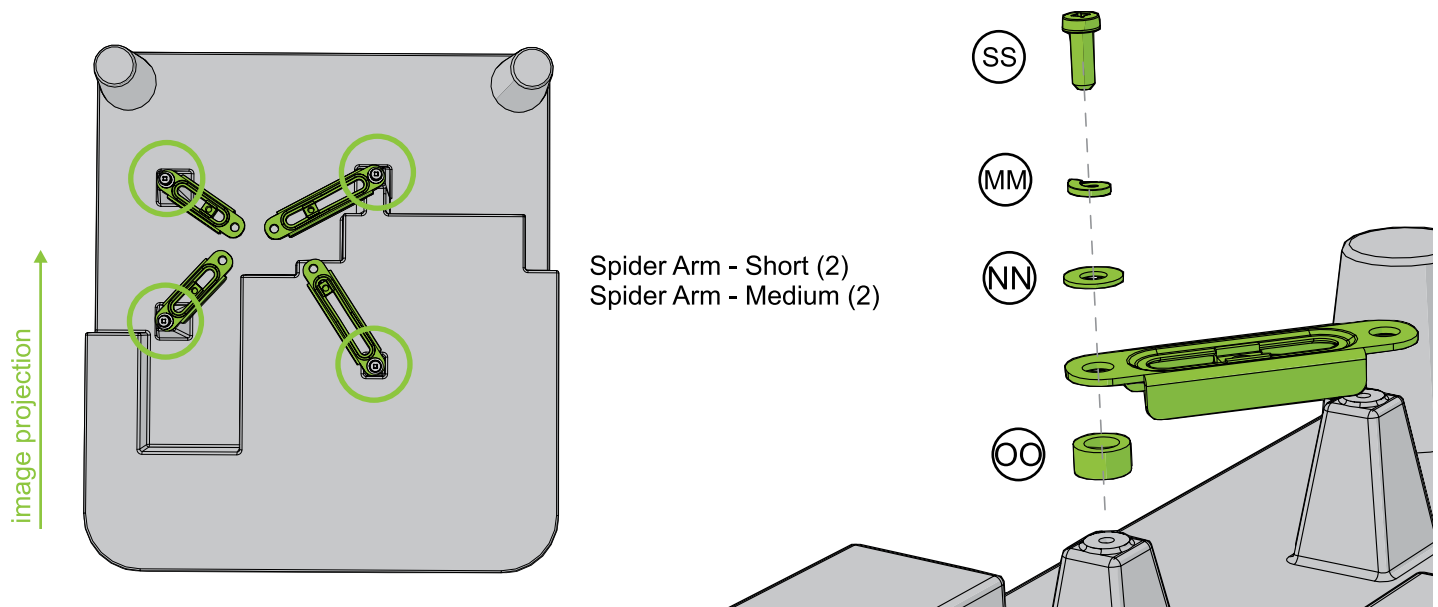
Attaching Spider Arms to Hitachi CP-A220N, A301N, AW252N



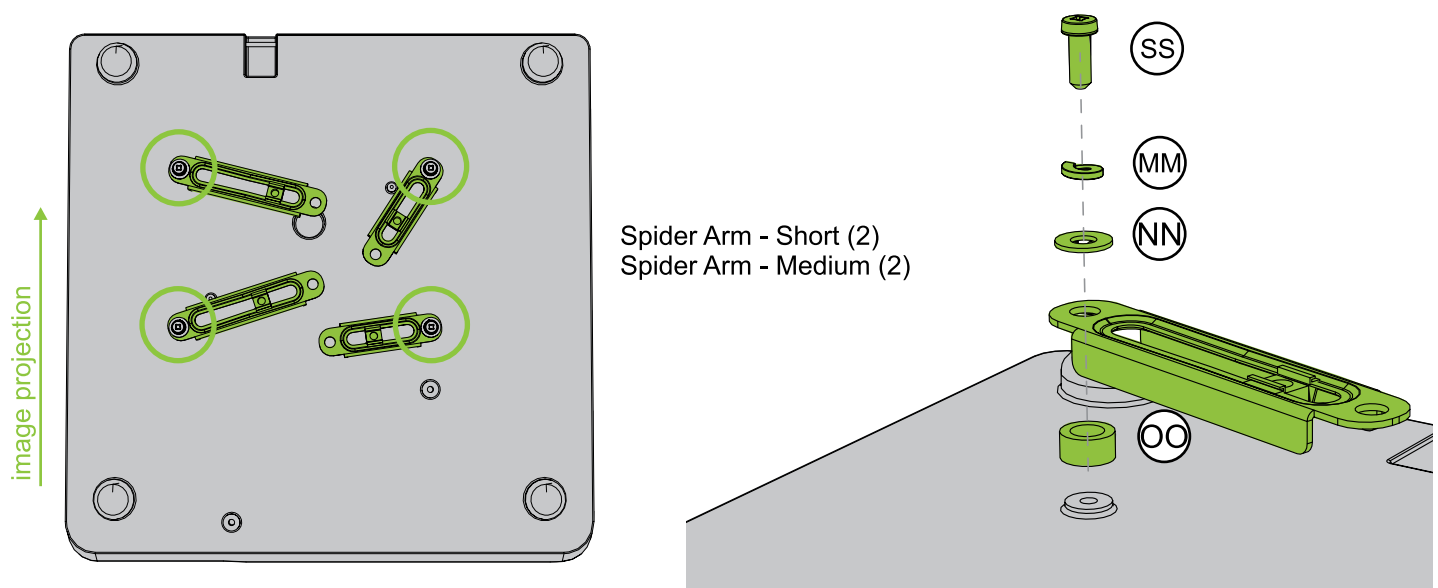
Attaching Spider Arms to Hitachi CP-AX2503/AX3503/AW2503



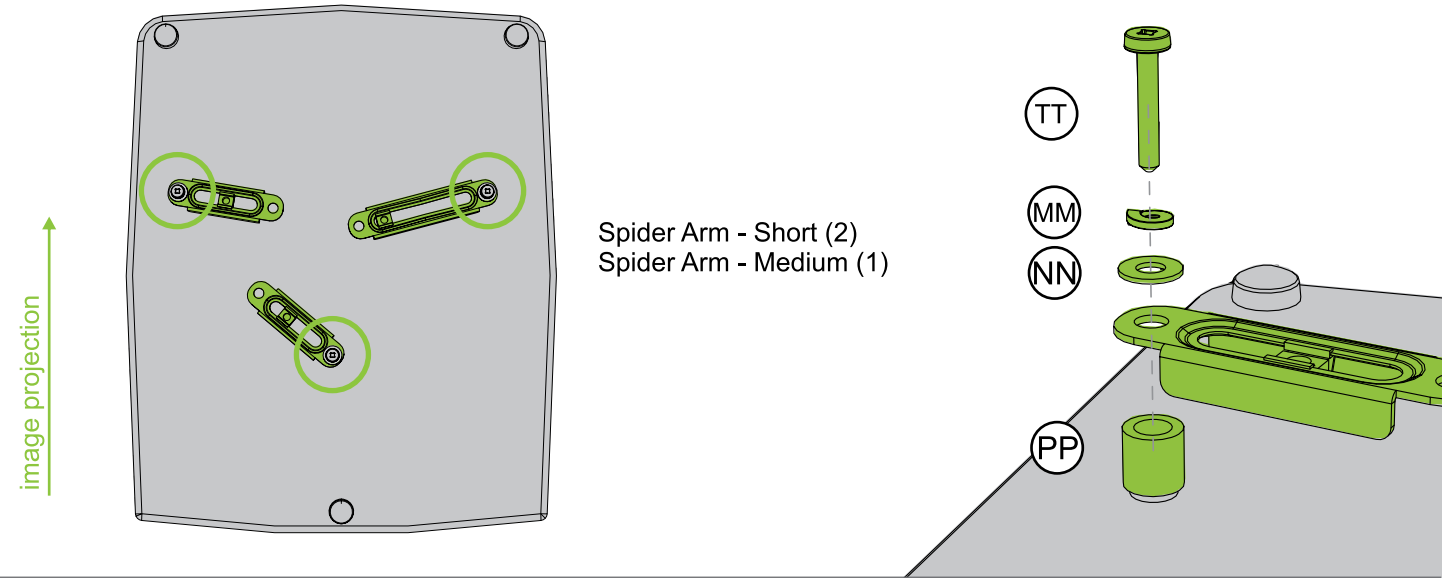
Attaching Spider Arms to NEC UM330X/UM330W



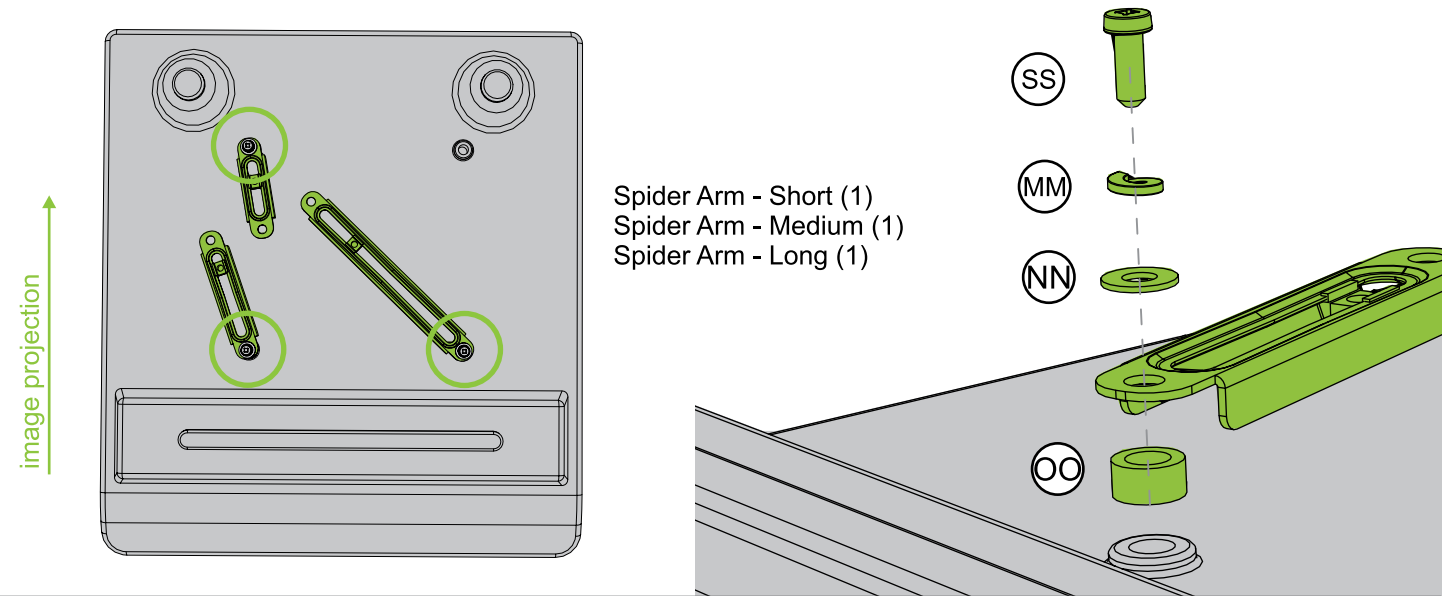
Attaching Spider Arms to Optoma W307UST



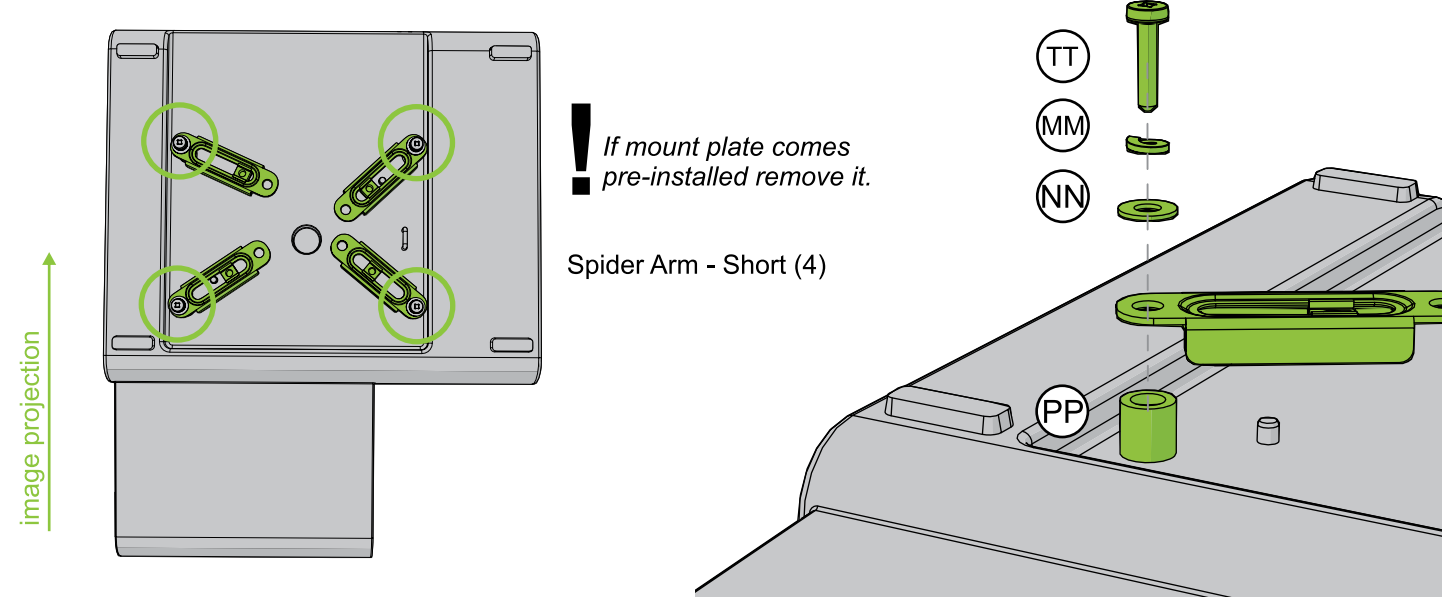
Attaching Spider Arms to Promethean UST-P1



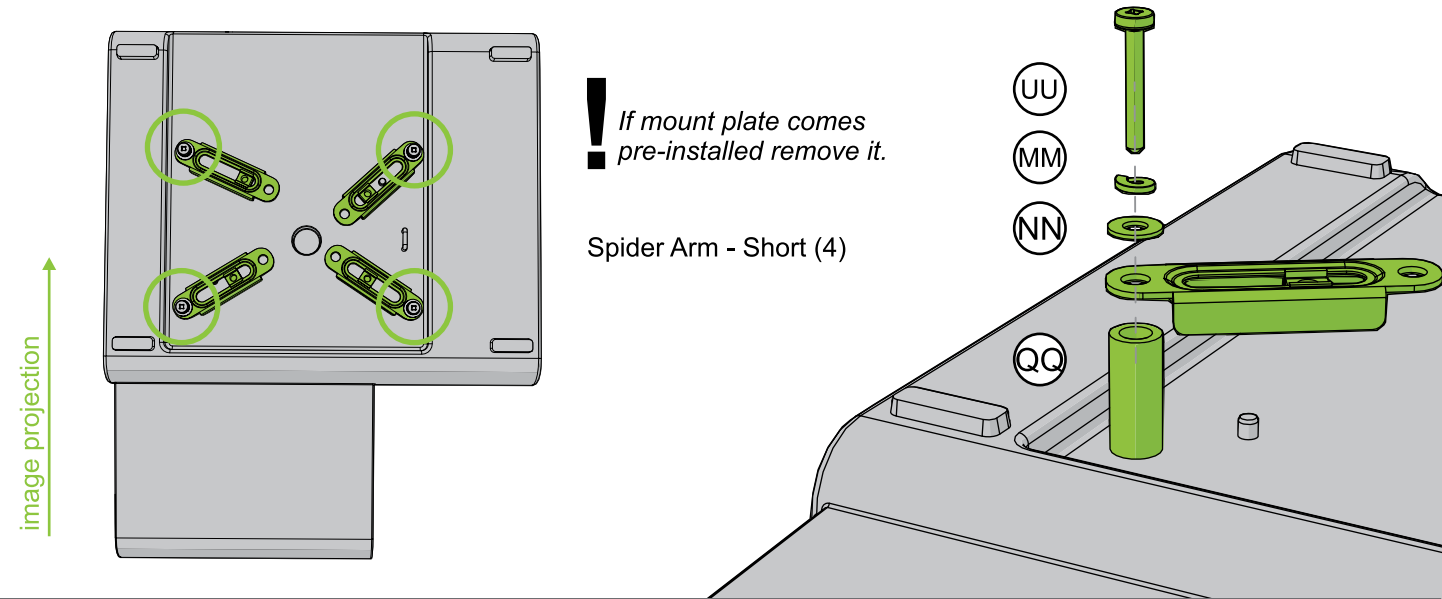
Attaching Spider Arms to Sony VPL-SW536



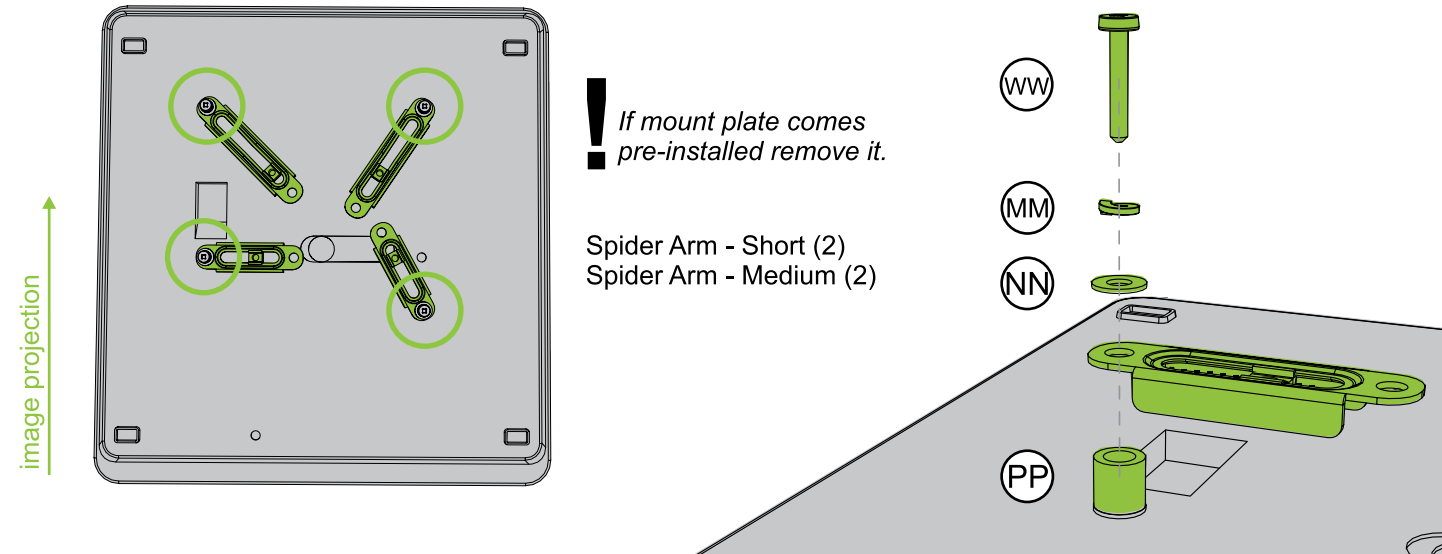
Attaching Spider Arms to Smart UF75W



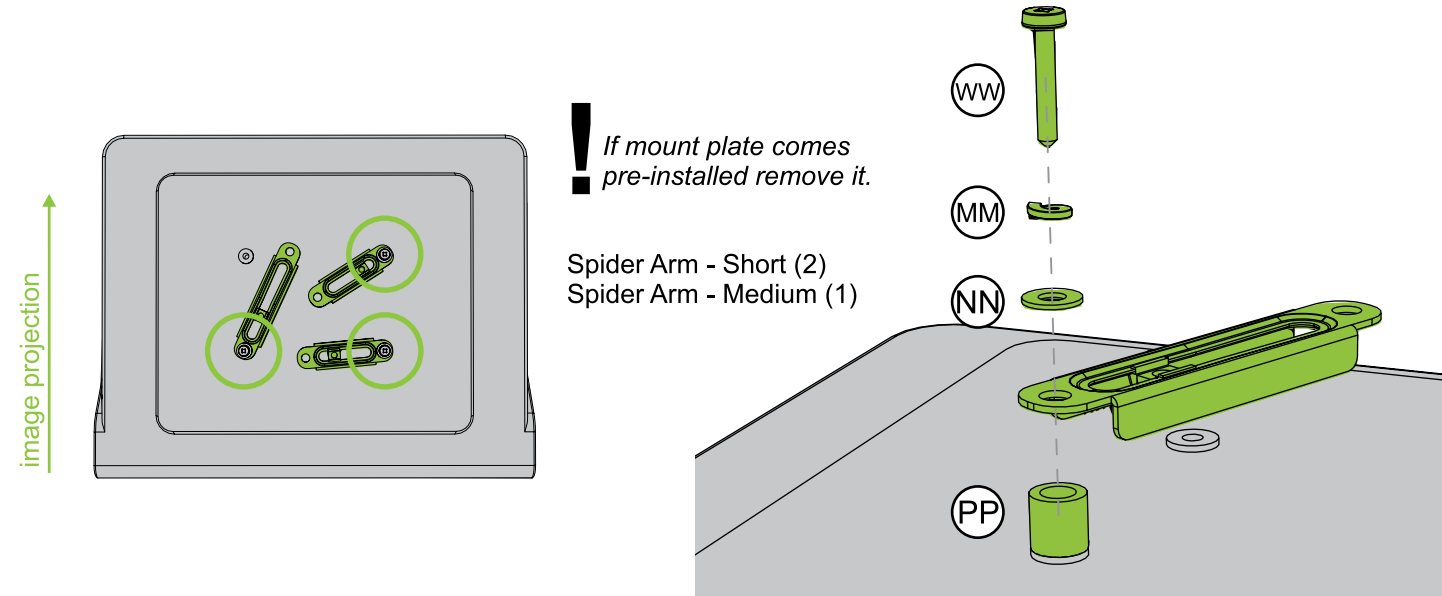
Attaching Spider Arms to Smart LightRaise 40Wi



Attaching Spider Arms to Smart UF70/UF70W



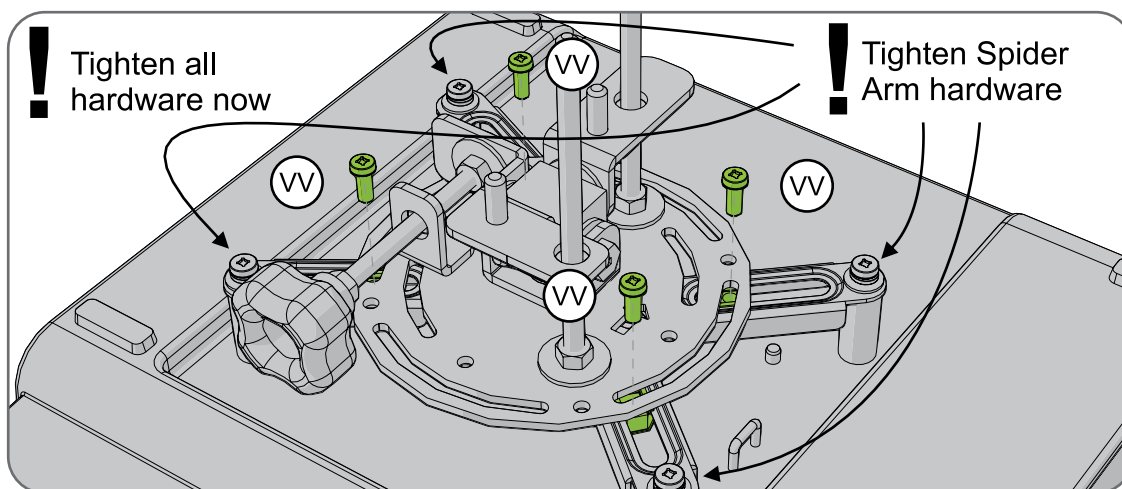
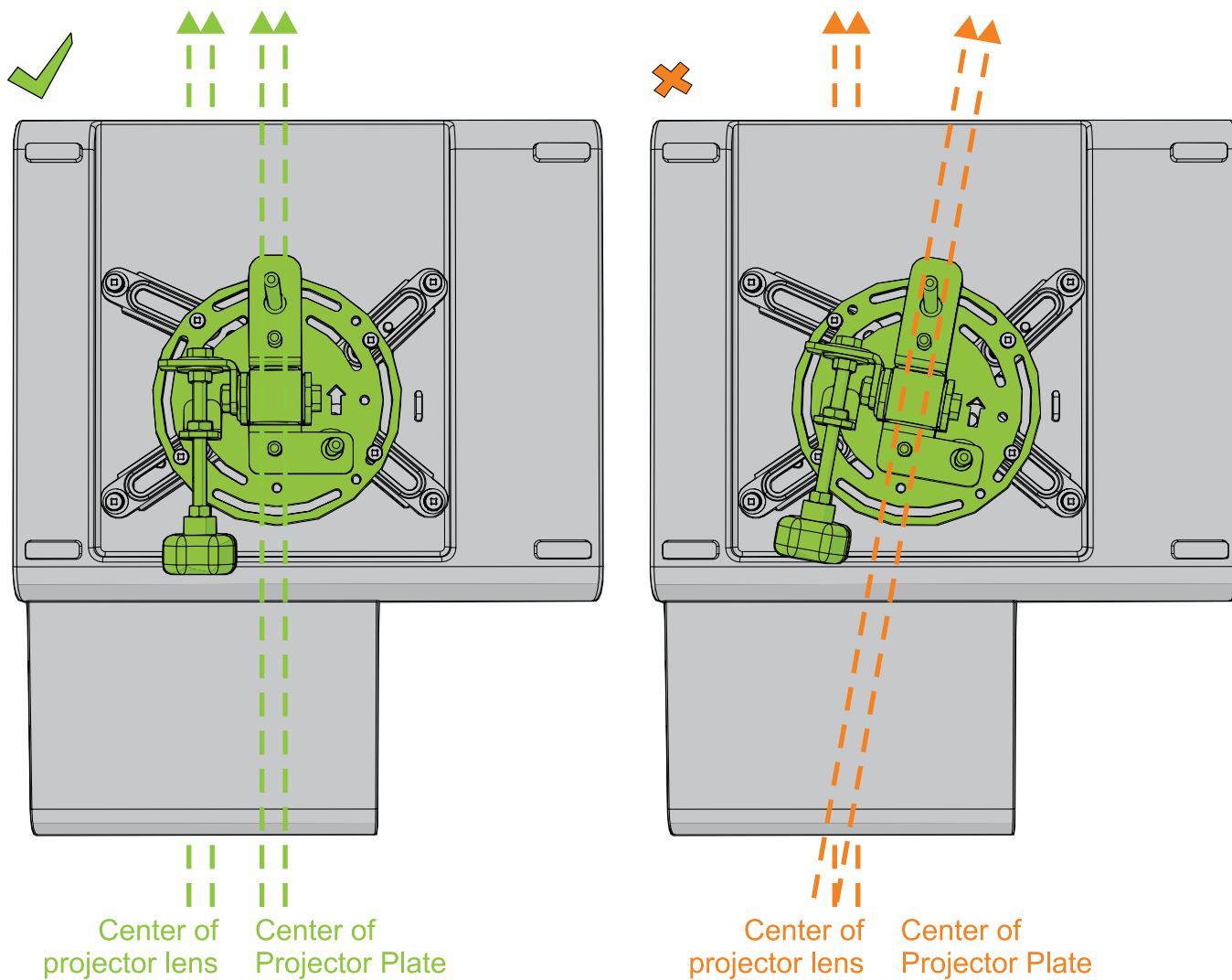
Attaching Spider Arms to Smart U100



2 Attach Projector Plate

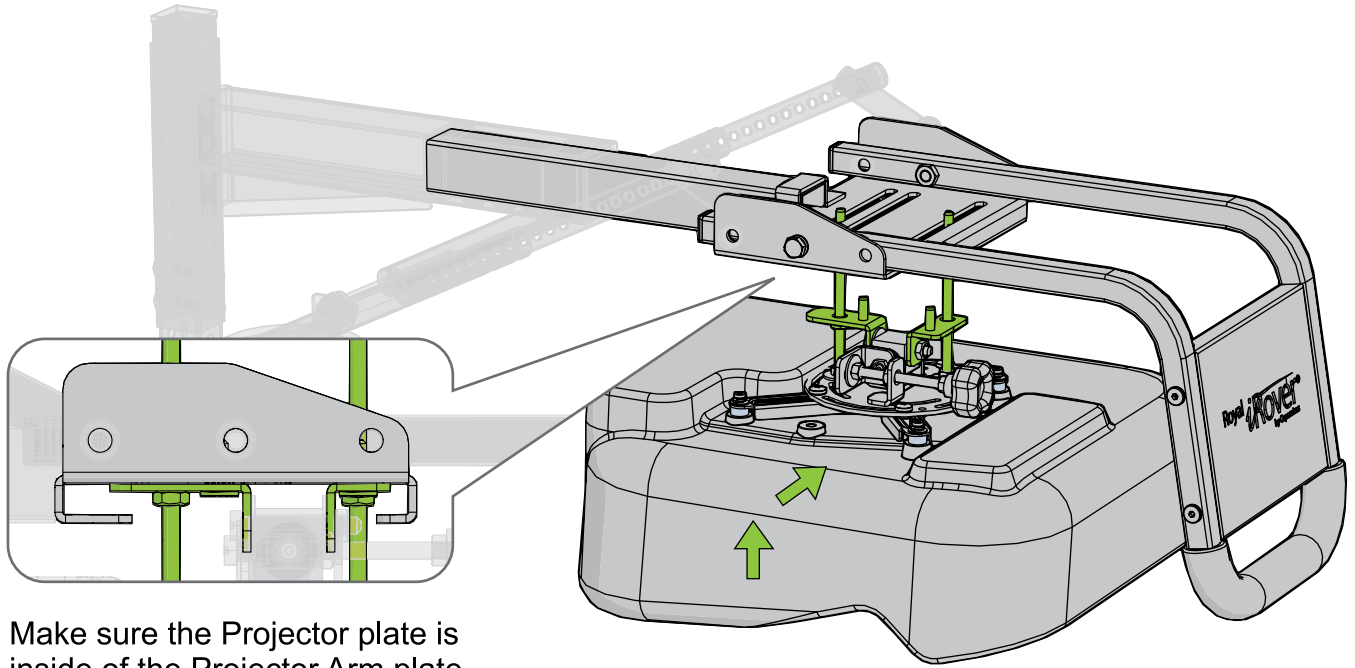
Pay attention to the alignment of the Projector Plate. Correct installation will make aligning your image later on much easier.

! MAKE SURE YOUR PROJECTOR PLATE IS PARALLEL WITH YOUR PROJECTOR



3 Attach Projector to Projector Arm

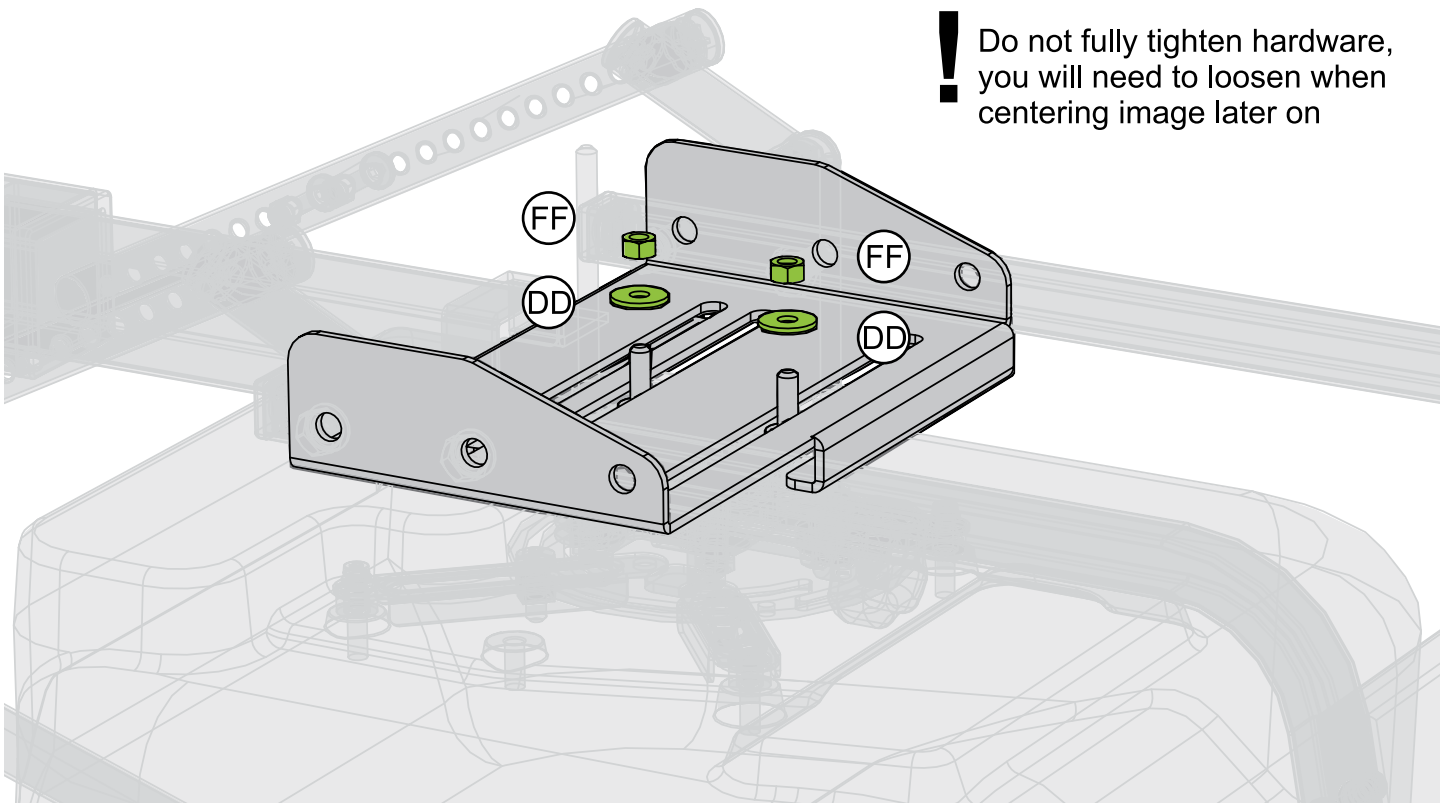
When placing in slots, align the lens of the projector so it lines up with the Projector Arm. This will help your projected image to align with the middle of your board.



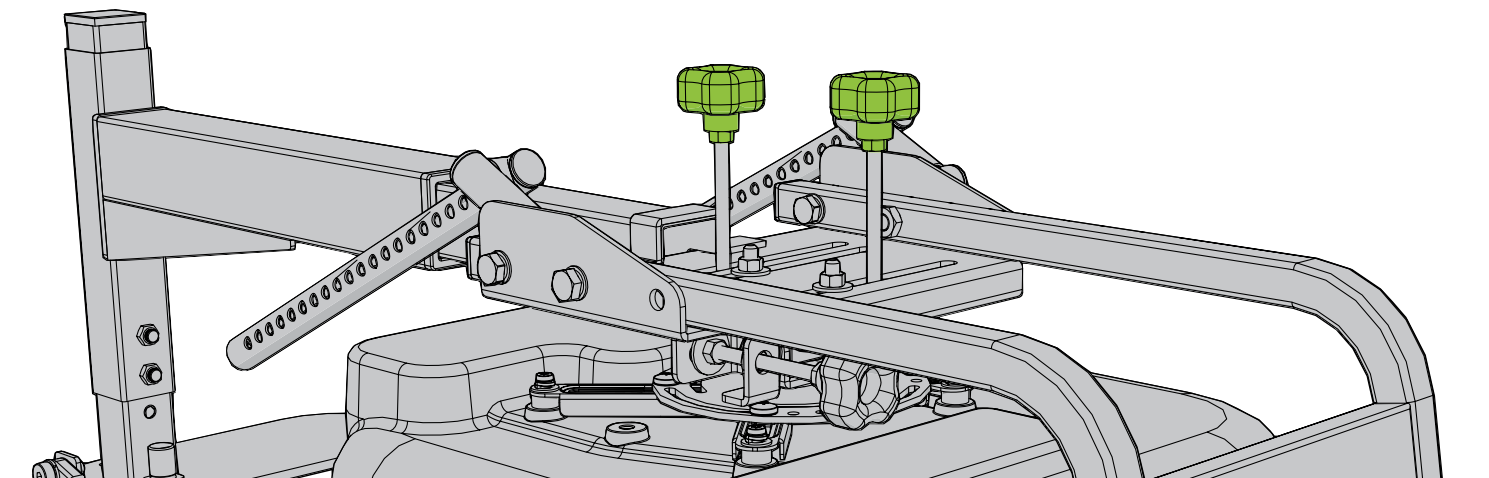
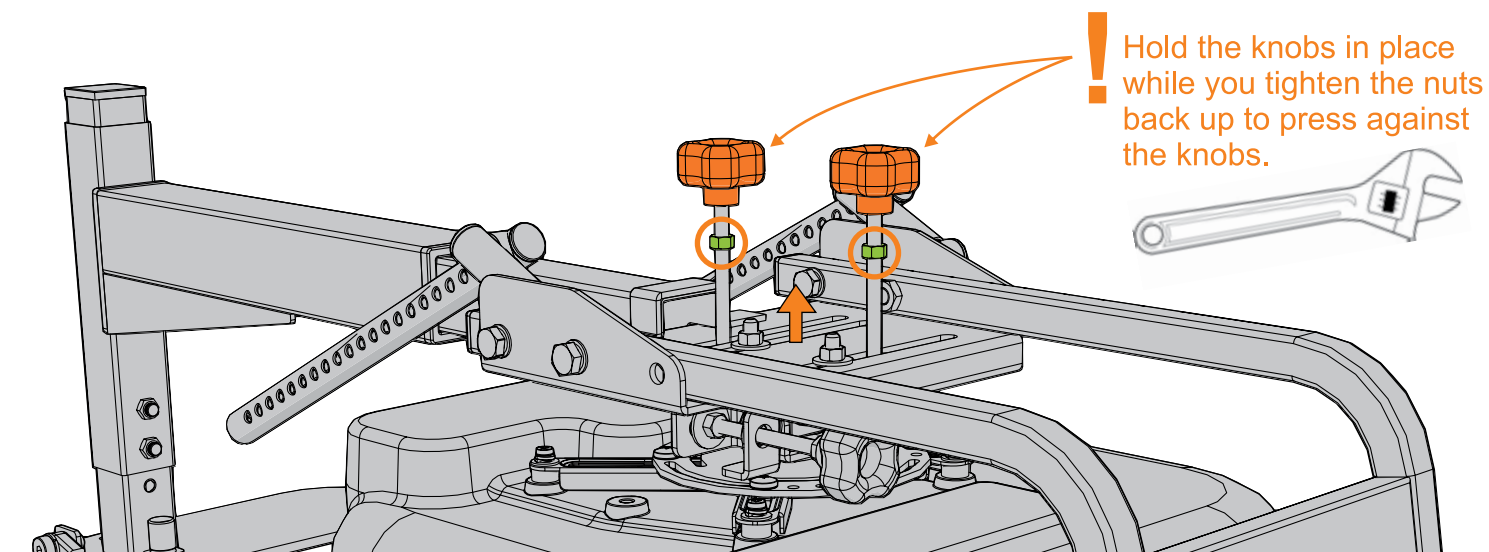
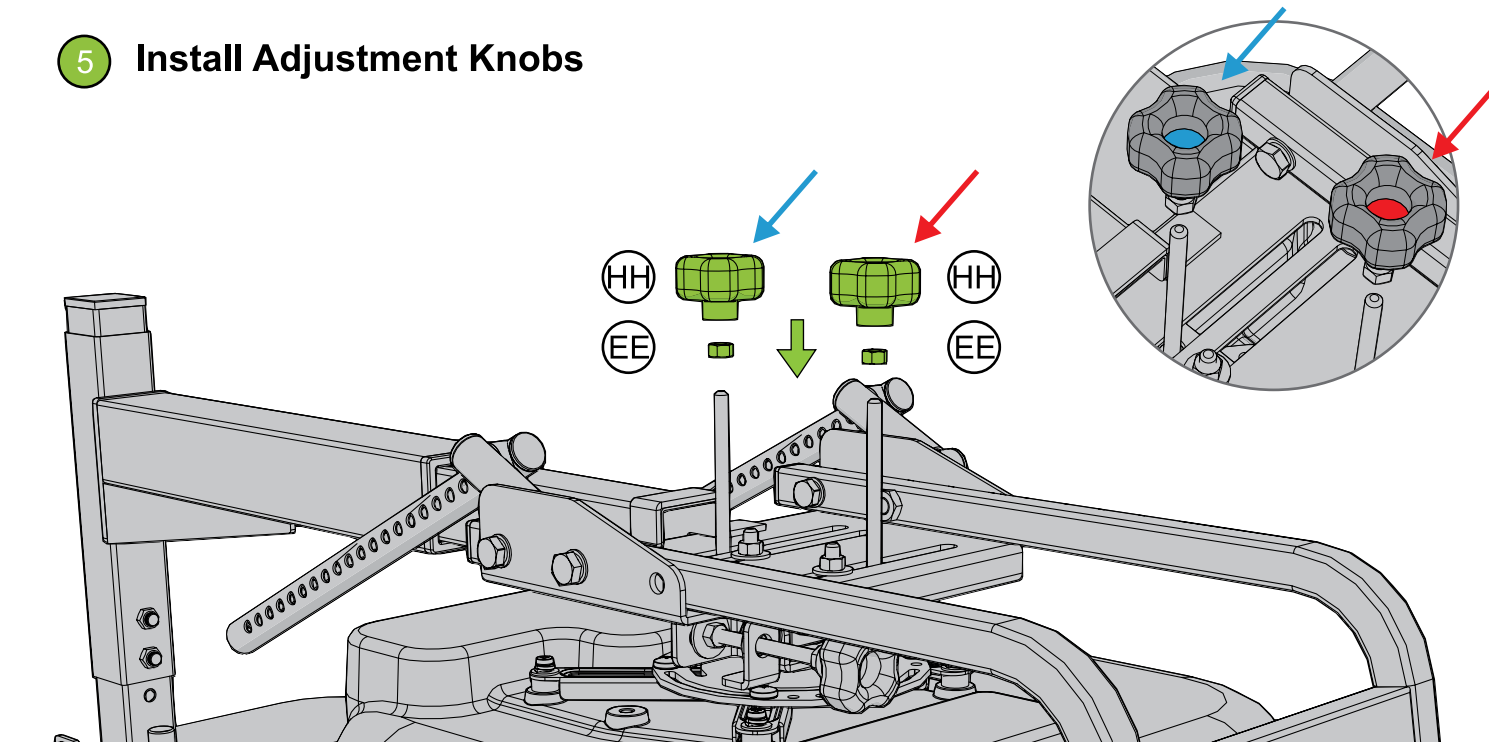
! Make sure the Projector plate is inside of the Projector Arm plate

4 Secure Projector

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



5 Install Adjustment Knobs





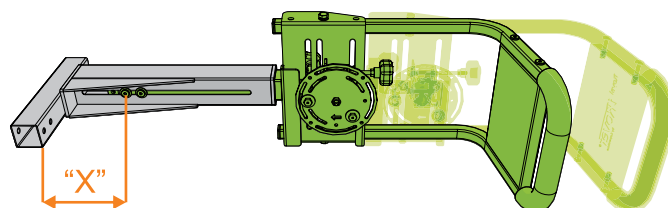
Align Your Image

1 Adjust Size of Image Using Distance “X”

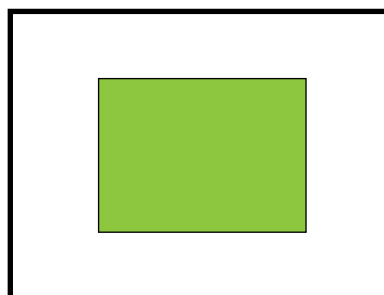
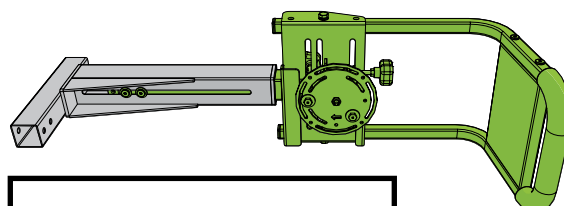
Ultra Short Throw Projector Arm			
Projector	Model	Board ("SB" = Smart)	Distance "X"
BenQ	MX850U-ST	SB 660	128mm
	MX850U-ST	SB 680	237mm
	MX850U-ST	SB 880	233mm
	MX850U-ST	SBM 680	187mm
	MX850U-ST	Promethean 378	252mm
	MW851U-ST	SB 680	221mm
	MW851U-ST	SB 880	207mm
	MW851U-ST	SB 685	221mm
	MW851U-ST	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
Hitachi	*595Wi	Copernicus 87" WB	155mm
	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
NEC	CP-AW2503	SB 685	203mm
	CP-AW2503	SB 885	216mm
	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
	UM330V	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.

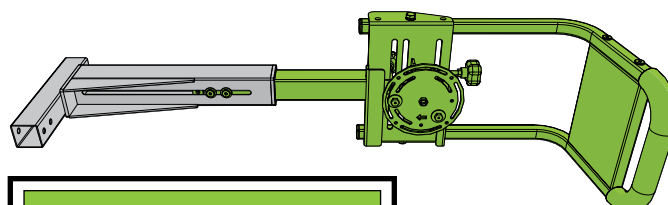
Don't see your projector & board combination here?
Check p.71 for a complete list of projectors.



Measure from the
post to the first screw.



Make Image Smaller



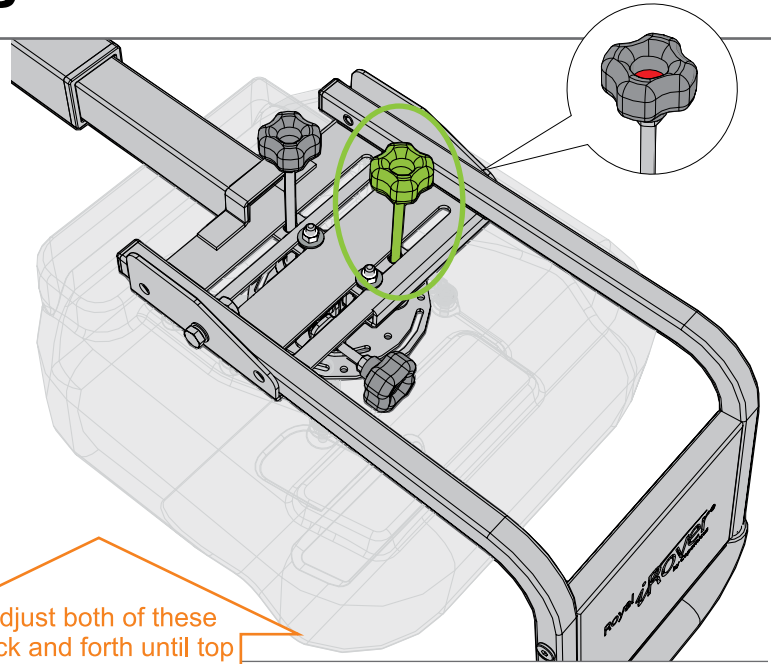
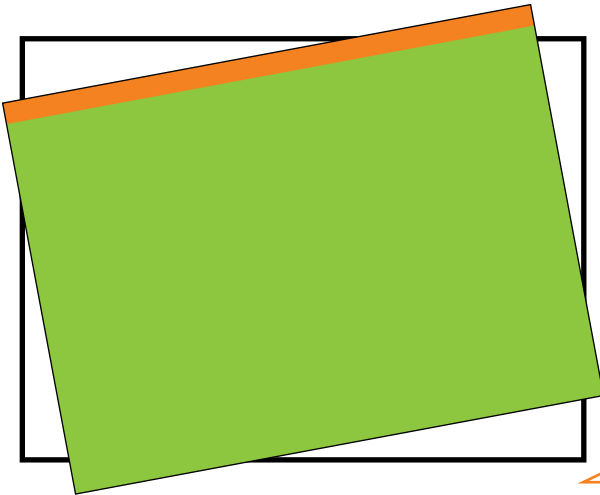
Make Image Larger

... continued on
next page



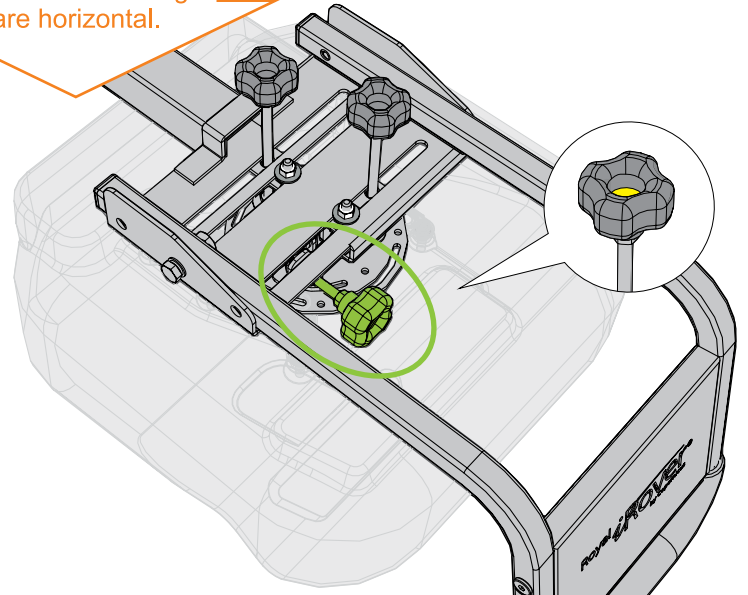
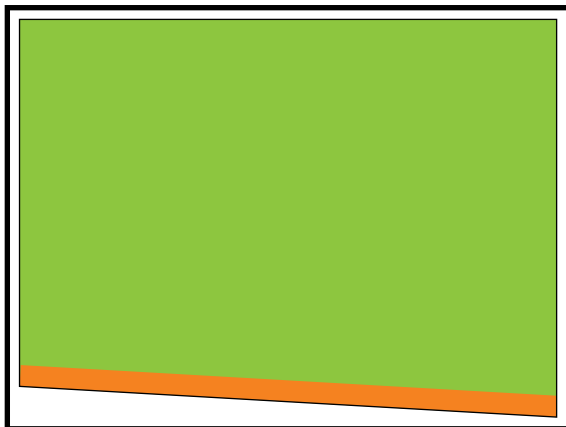
Align Your Image

2 Align Top of Image

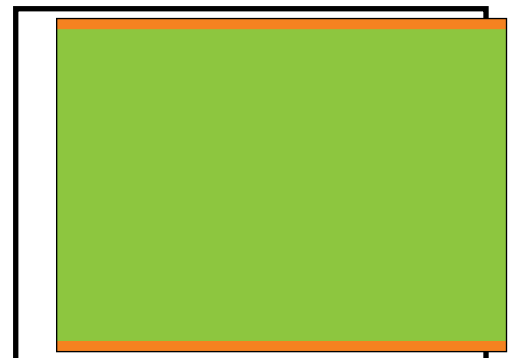
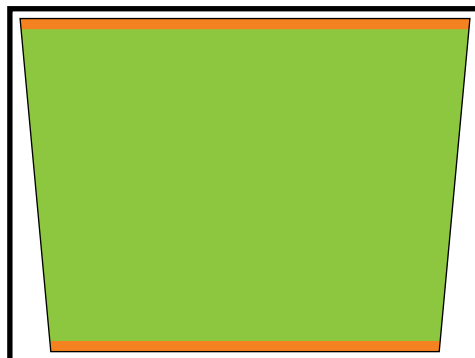
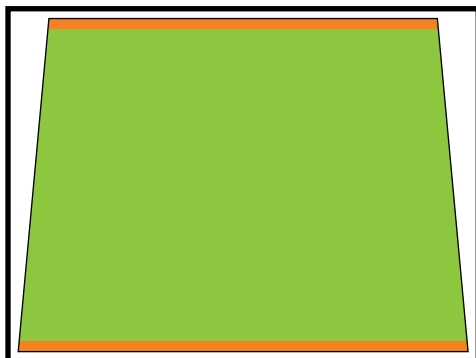


Adjust both of these back and forth until top AND bottom of image are horizontal.

3 Align Bottom of Image



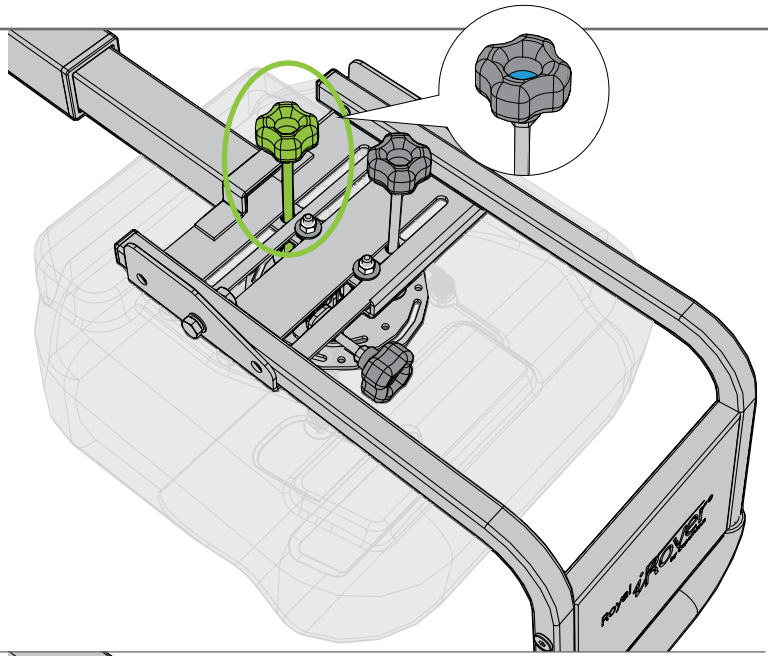
Our Goal: to align top and bottom of image, only once we achieve this we move onto aligning the sides of the image.



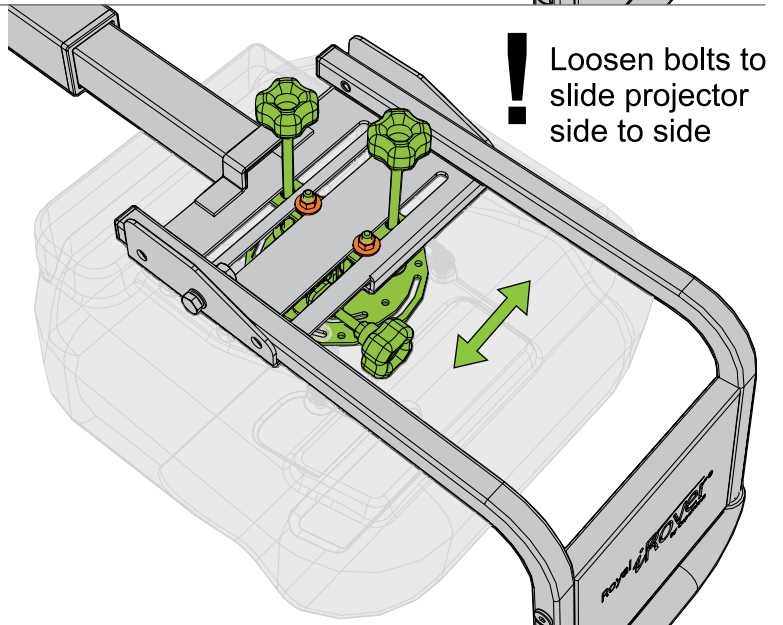
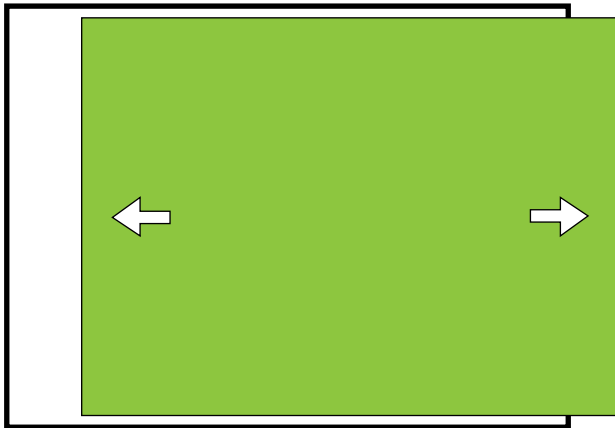


Align Your Image

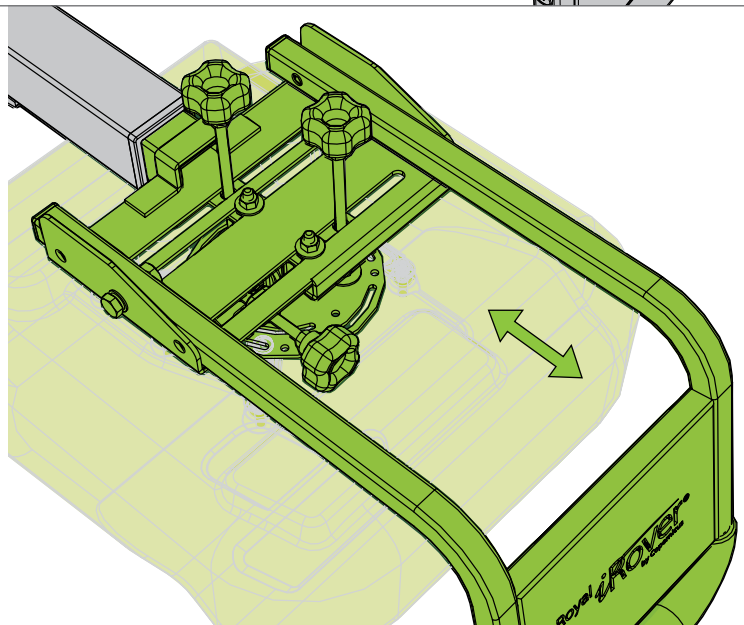
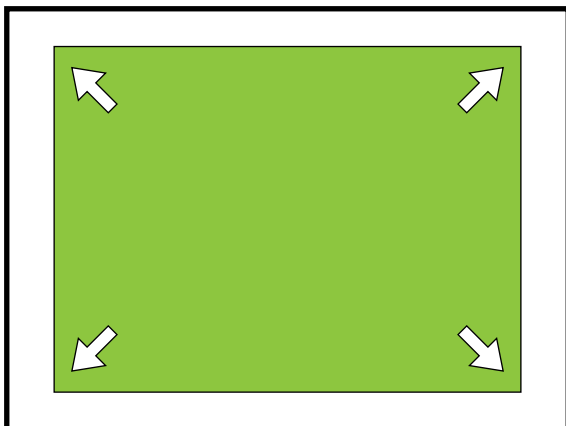
4 Align Sides of Image



5 Center Image Horizontally



... Repeat Step 1 If Necessary





(H)
M6 x 30mm Bolt
4x



(Q)
M6 Lock Washer
4x

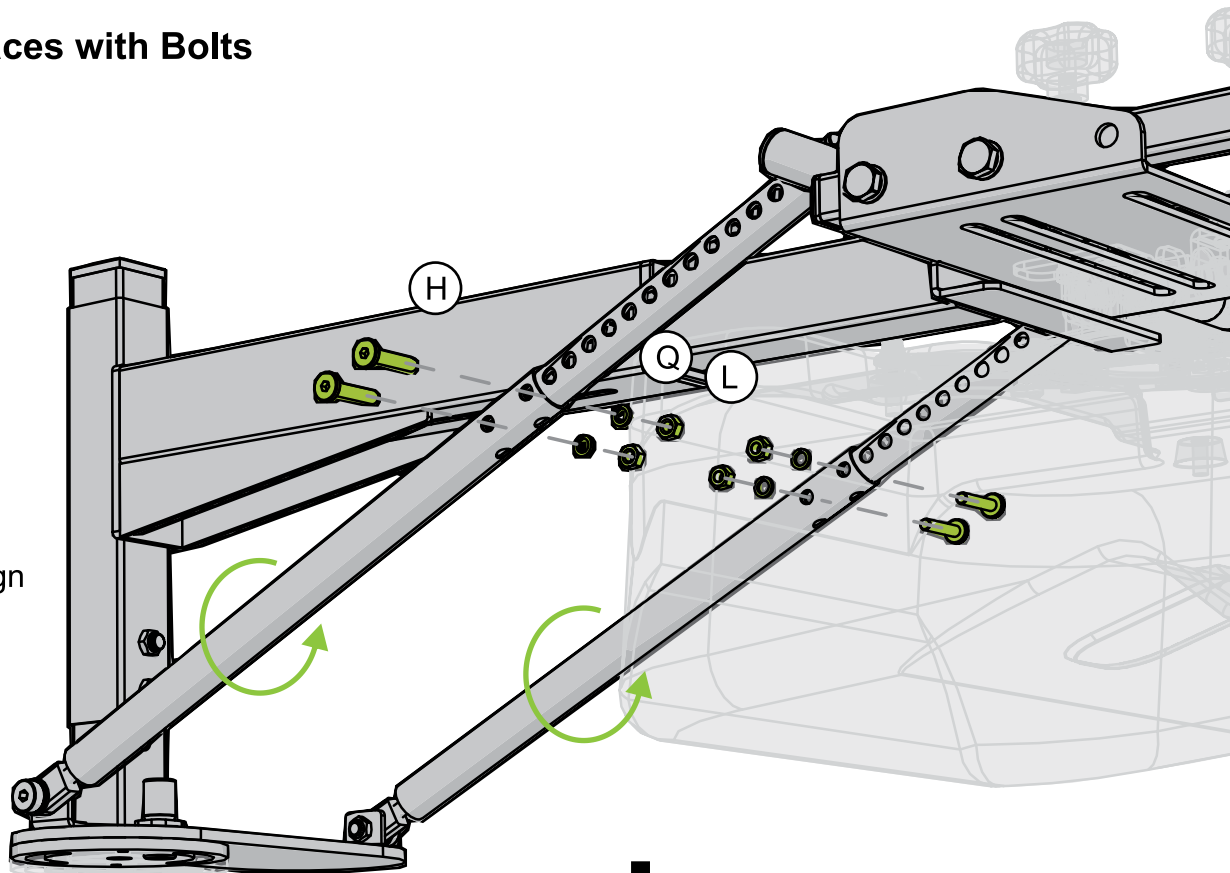


(L)
M6 Nut
4x

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.

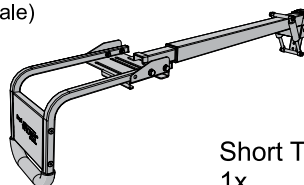
28.1

Actual Size:



2-Person Task

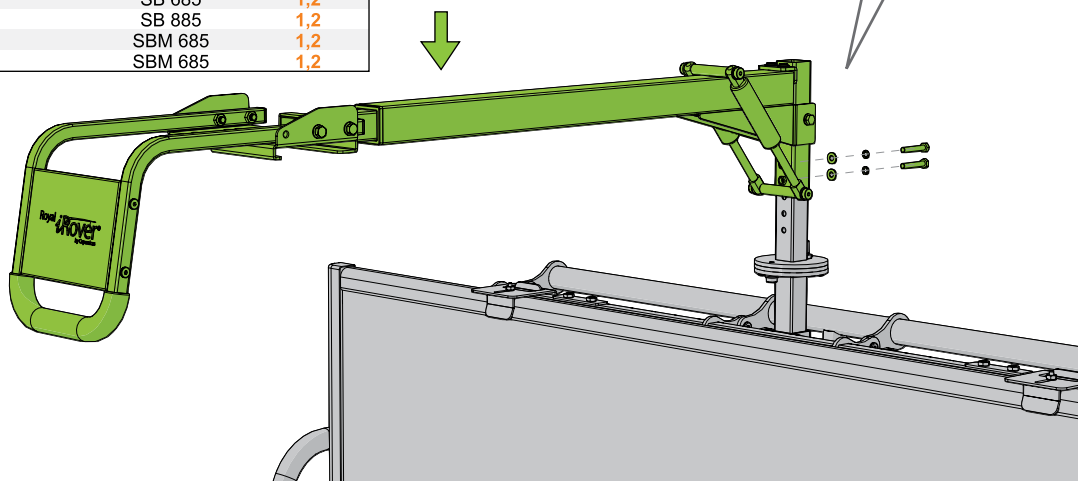
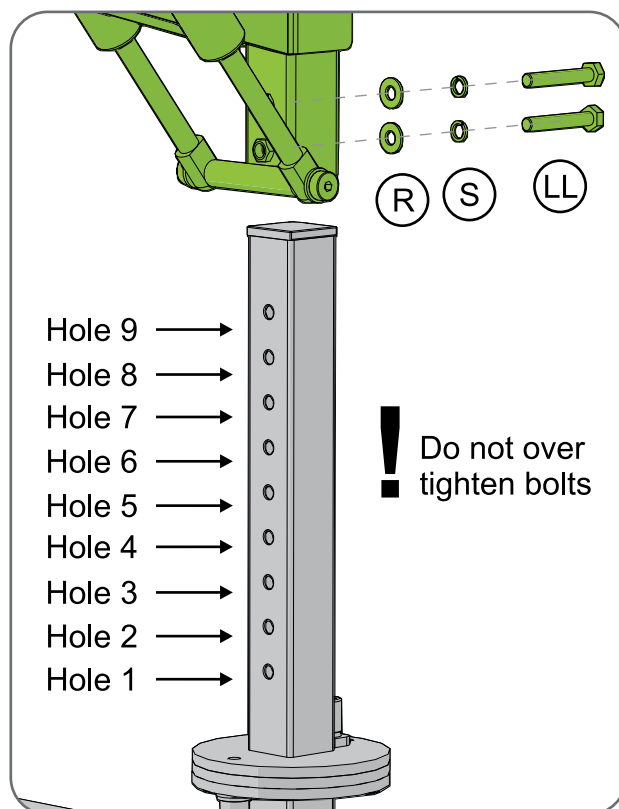
You will need: (Not to Scale)



Short Throw Projector Arm
1x

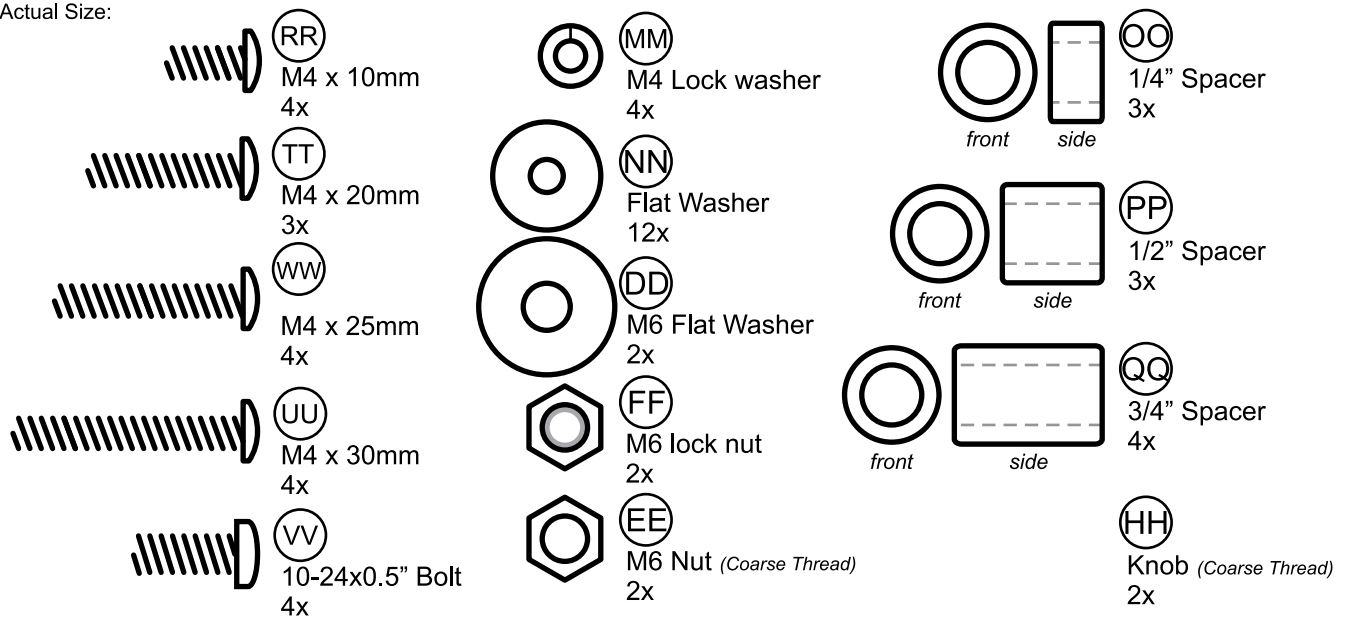
Set Projector Arm Post Height

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
	MW824ST	SBM 685	1,2
Epson	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
	435W	SB 885	1,2
	435W	SBM 685	1,2
Mitsubishi	EW331U-ST	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
	M352WS	SBM 685	2,3
Optoma	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



28.2

Actual Size:



You will need: (Not to Scale)



Spider Arm - Short
4x



Spider Arm - Medium
2x



Spider Arm - Long
2x

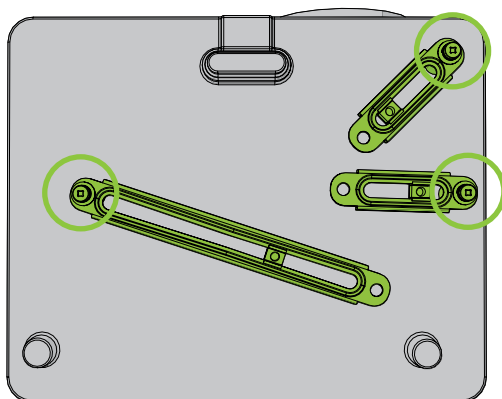
1 Attach Spider Arms

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.

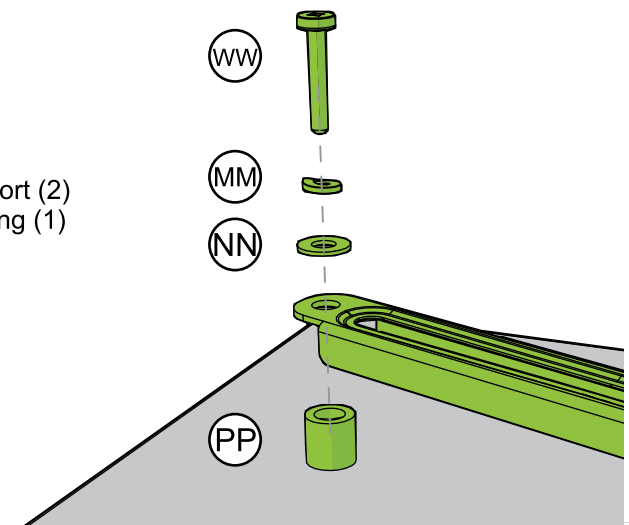
- Make sure to identify the correct projector you are installing.
- More projectors on the following pages.

Attaching Spider Arms to BenQ MX816ST/MW817ST

image projection

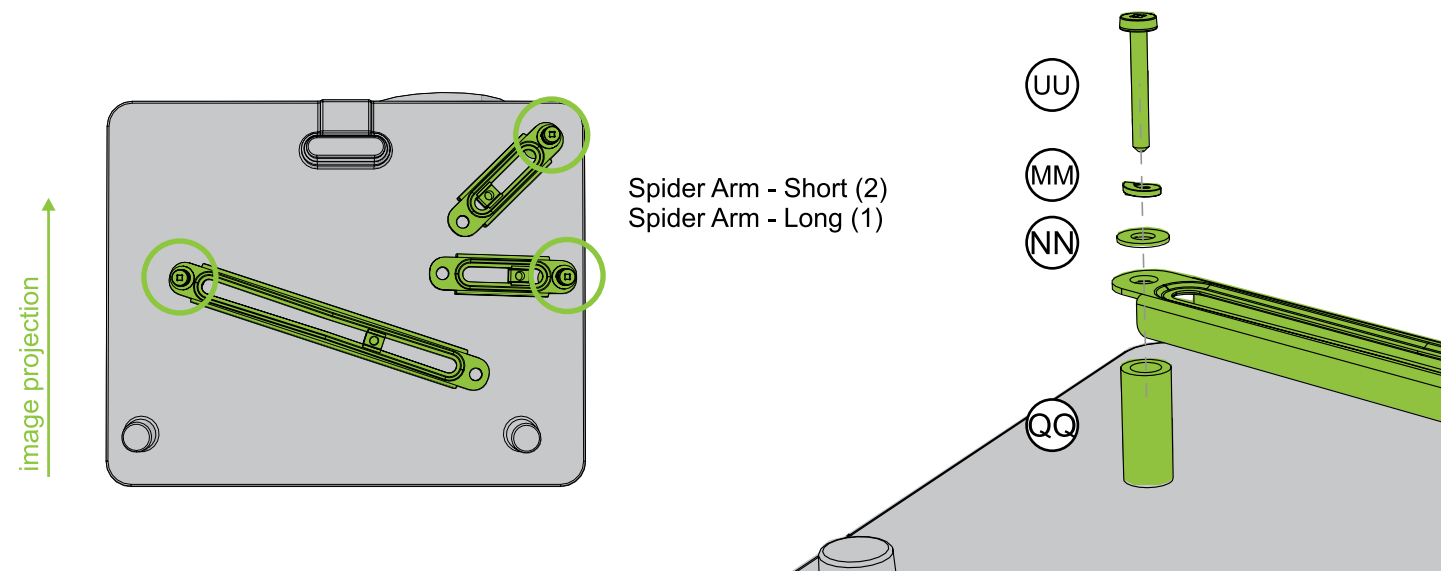


Spider Arm - Short (2)
Spider Arm - Long (1)

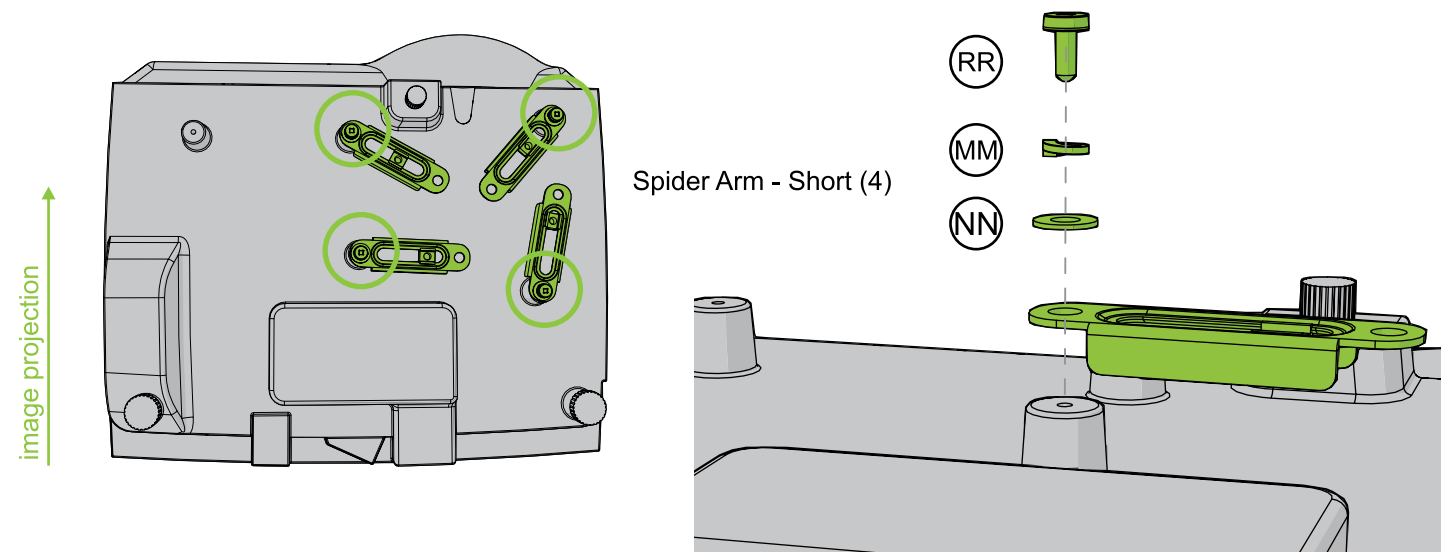


... continued

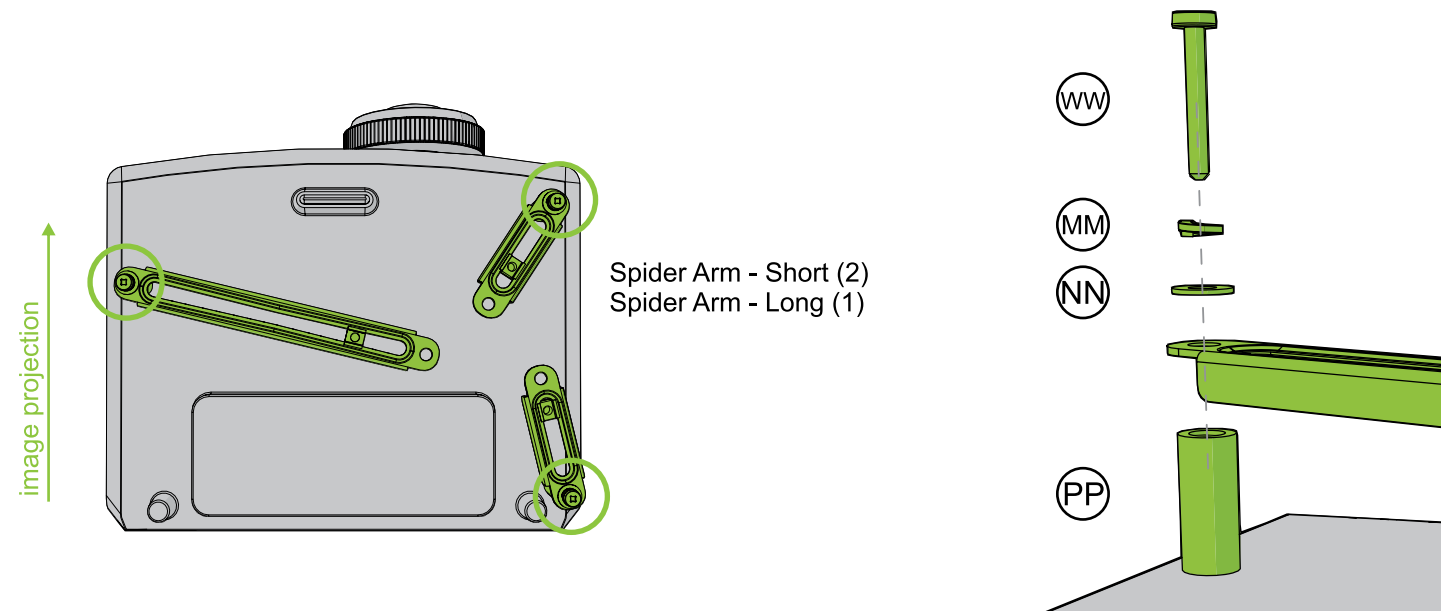
Attaching Spider Arms to BenQ MW824ST



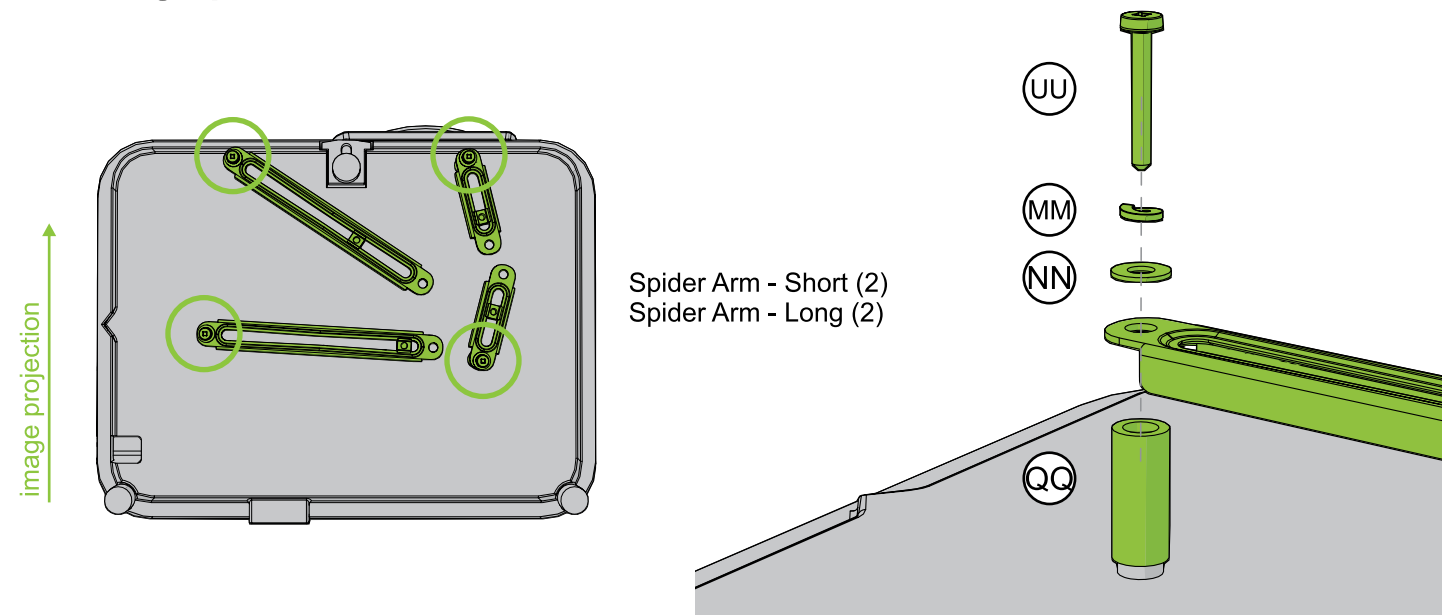
Attaching Spider Arms to Epson 420/435W



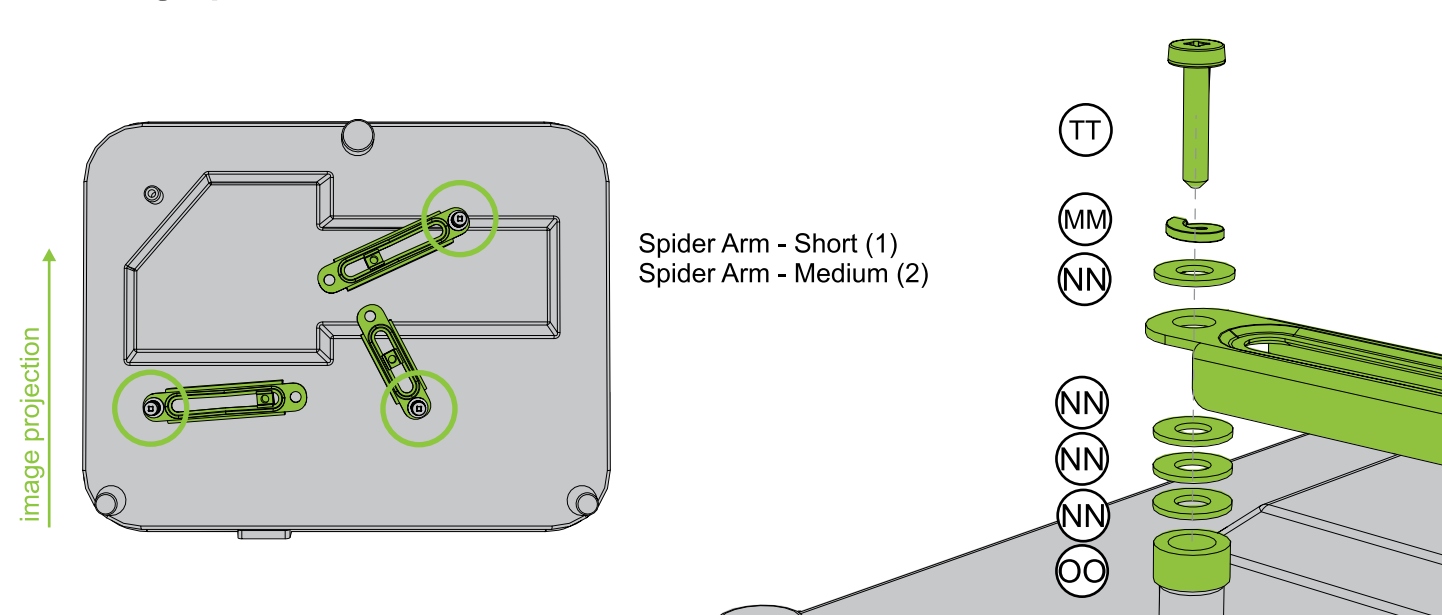
Attaching Spider Arms to Mitsubishi EW331U-ST



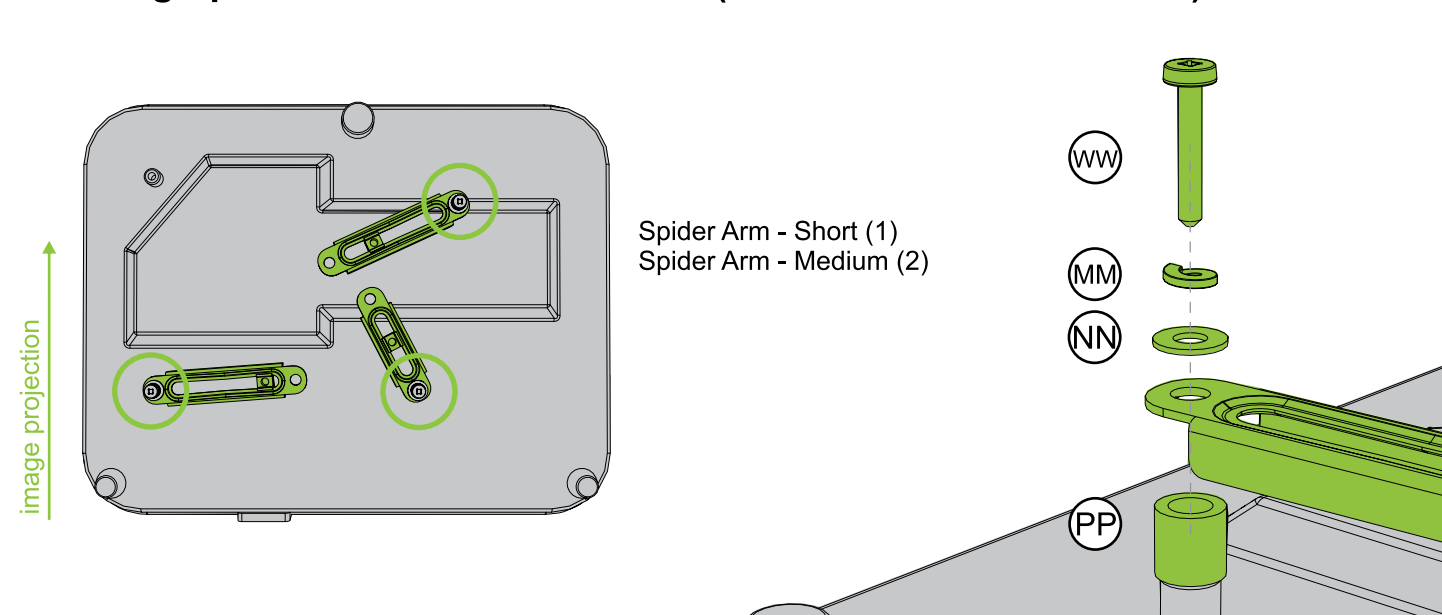
Attaching Spider Arms to NEC M300XS/M300WS



Attaching Spider Arms to NEC M332XS/M352WS

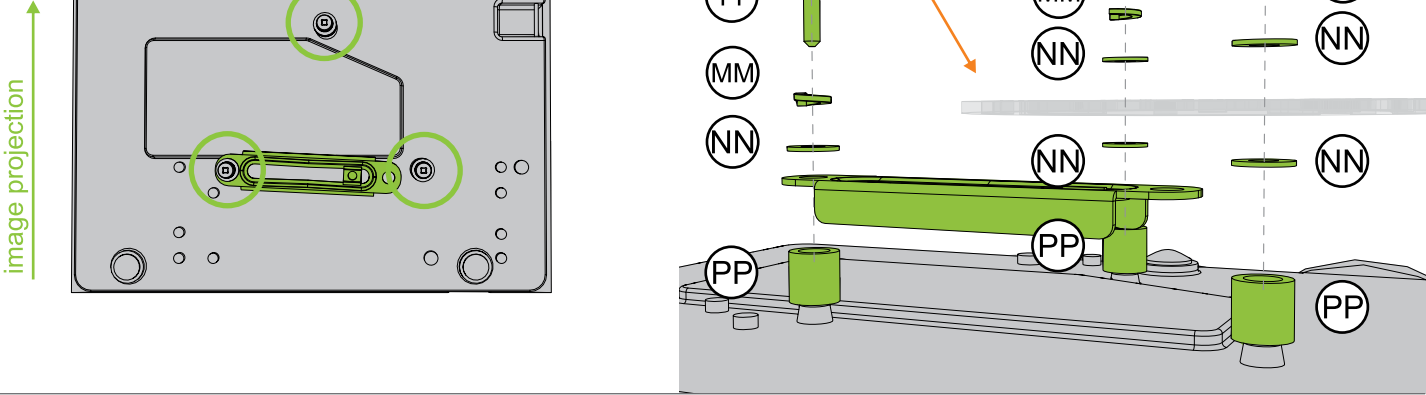


Attaching Spider Arms to NEC M352WS (Promethean ABT 88 ONLY)



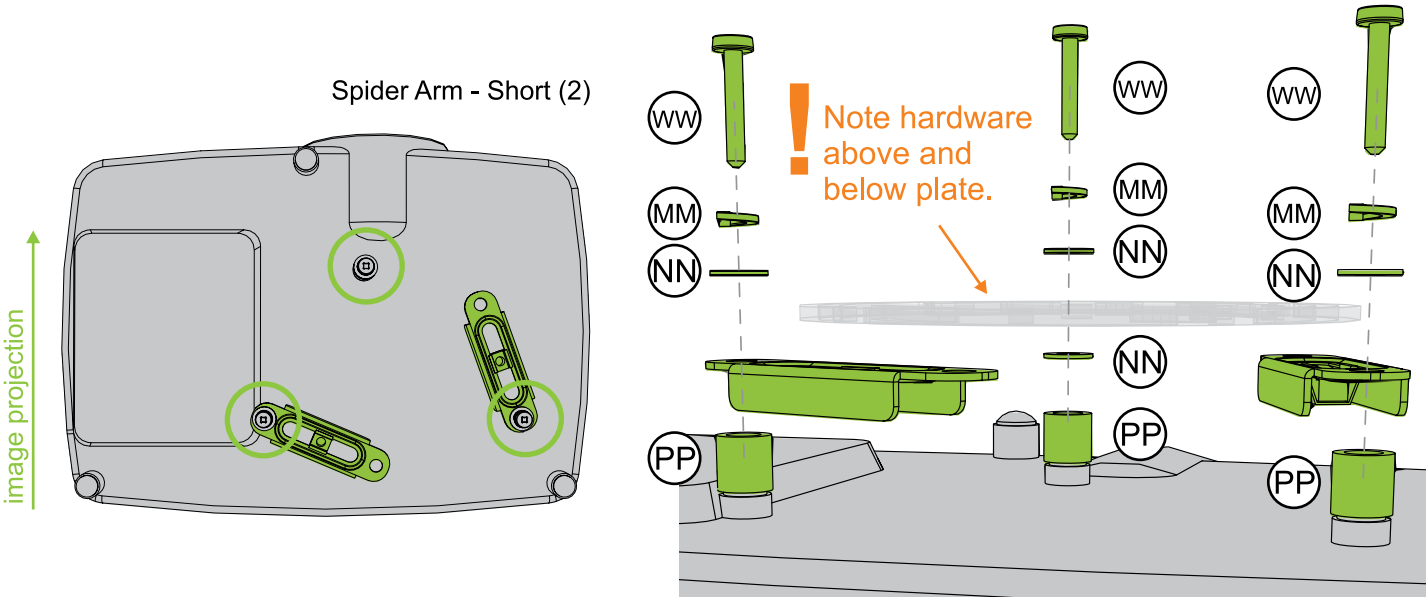
Attaching Spider Arms to Optoma W306ST

Spider Arm - Medium (1)



Attaching Spider Arms to Optoma W316ST

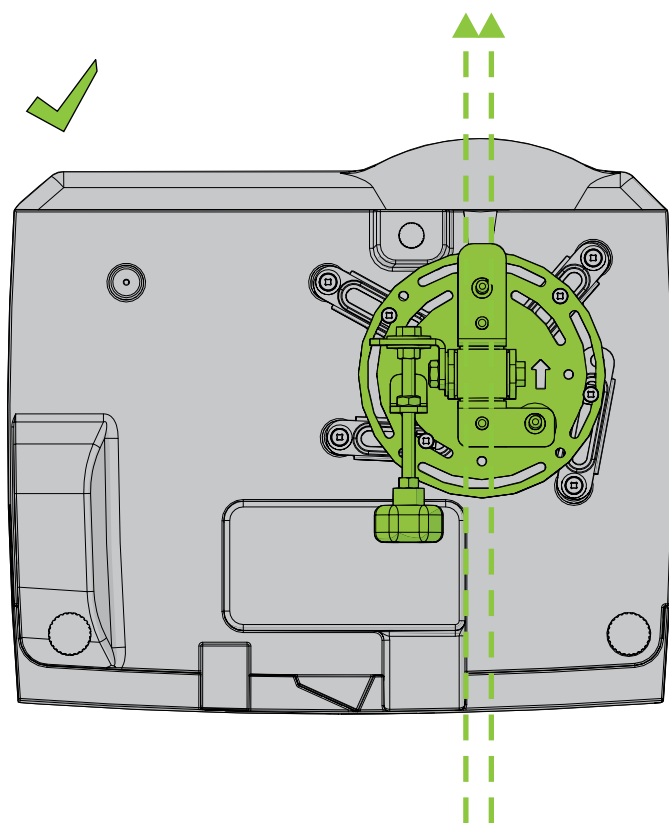
Spider Arm - Short (2)



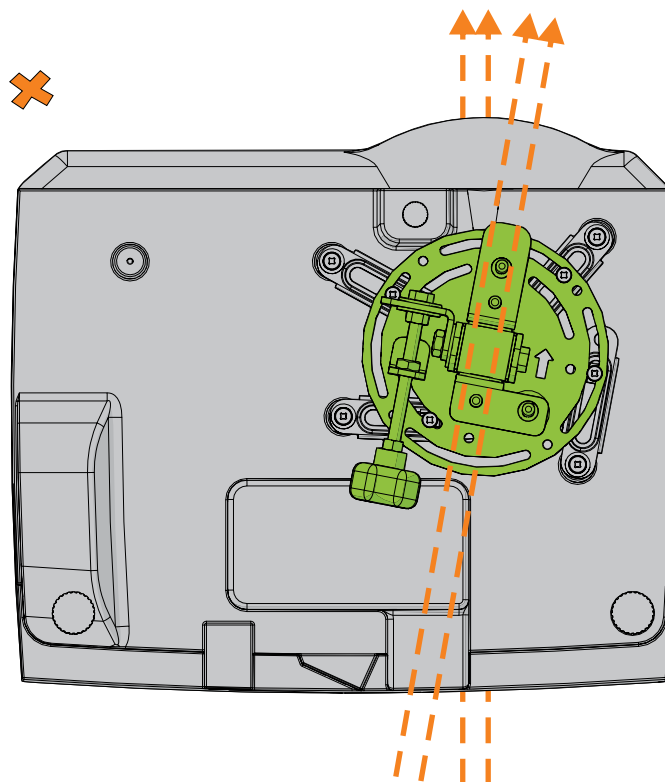
2 Attach Projector Plate

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

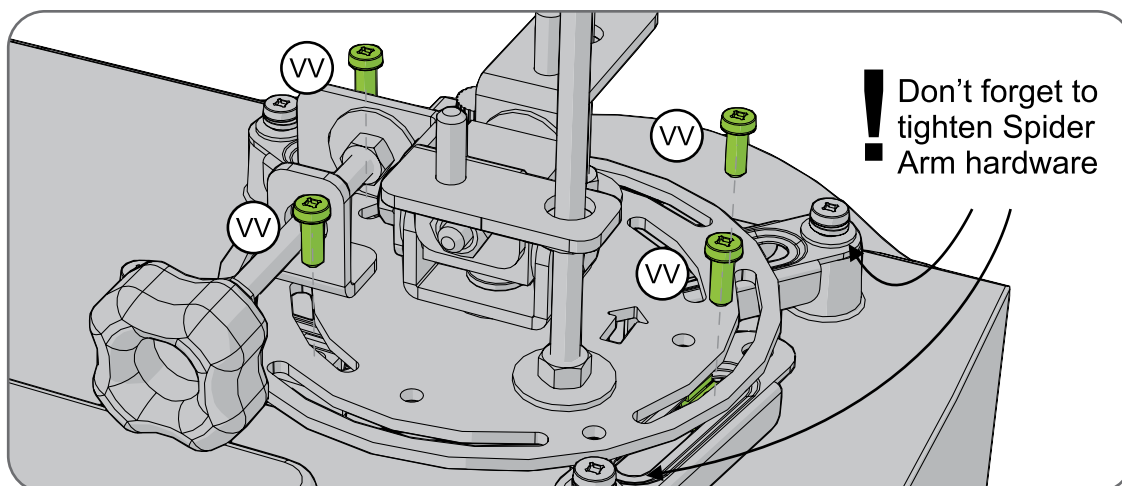
! MAKE SURE YOUR PROJECTOR PLATE IS PARALLEL WITH YOUR PROJECTOR



Center of
projector lens Center of
Projector Plate



Center of
projector lens Center of
Projector Plate

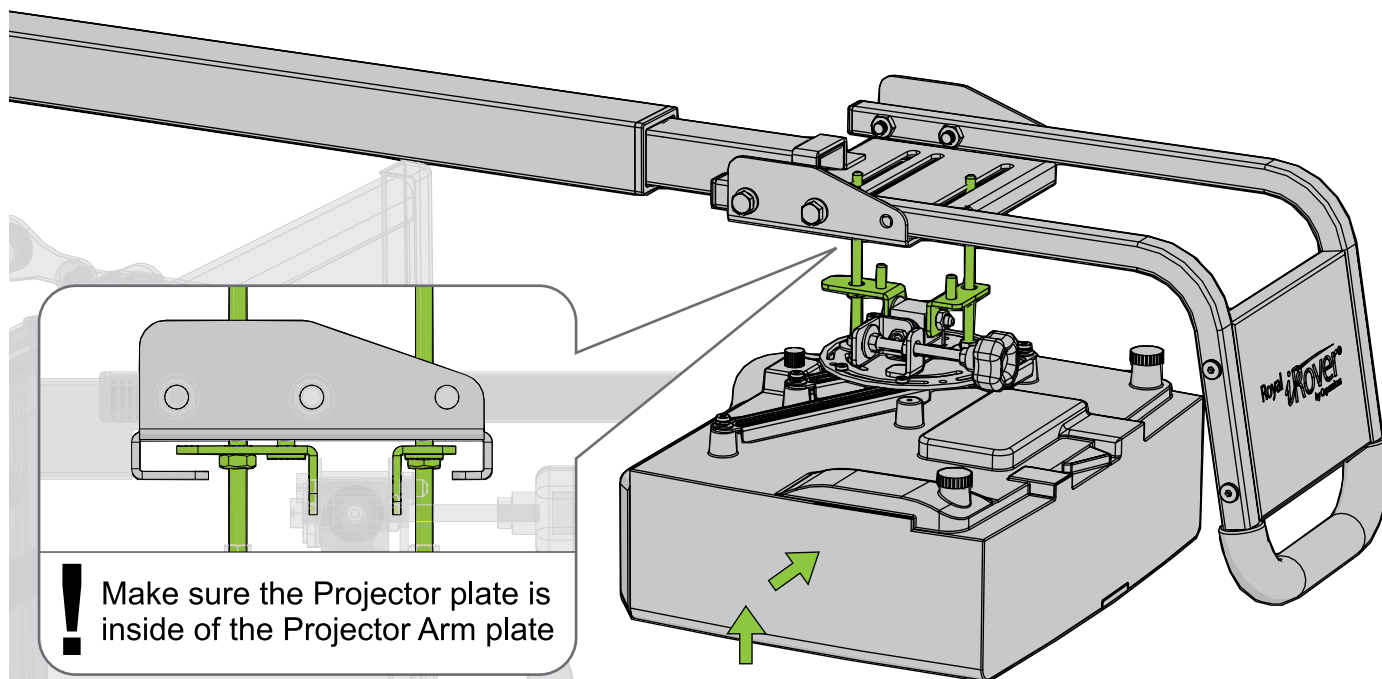


! Don't forget to
tighten Spider
Arm hardware



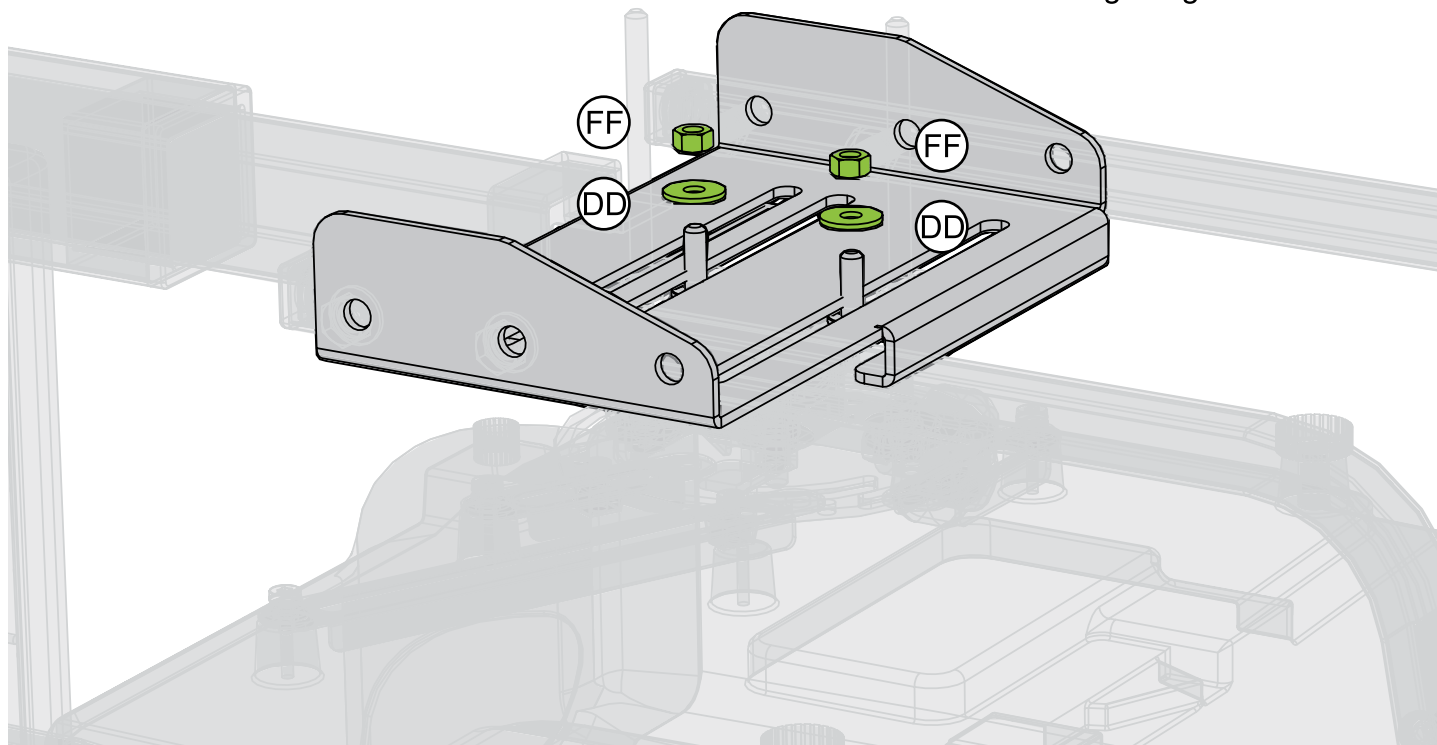
3 Attach Projector to Projector Arm

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.

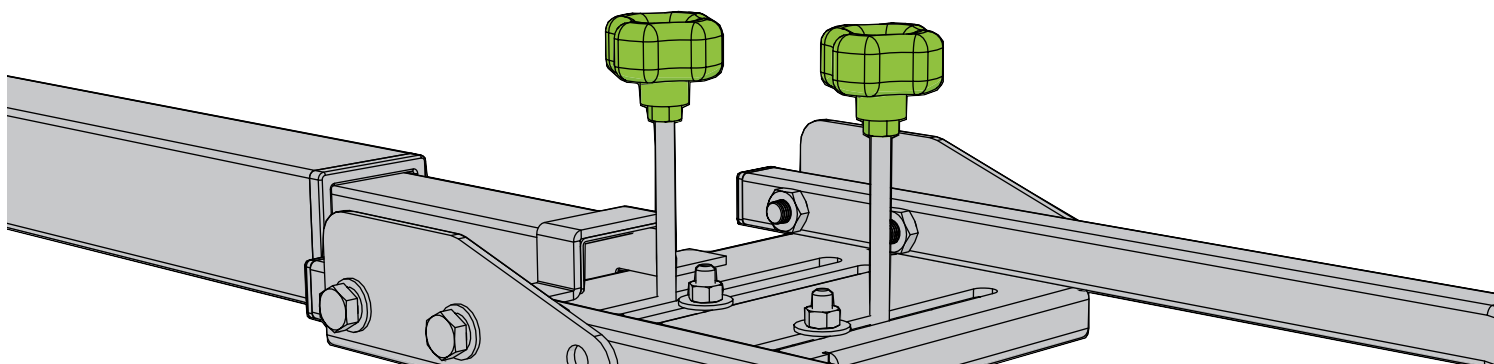
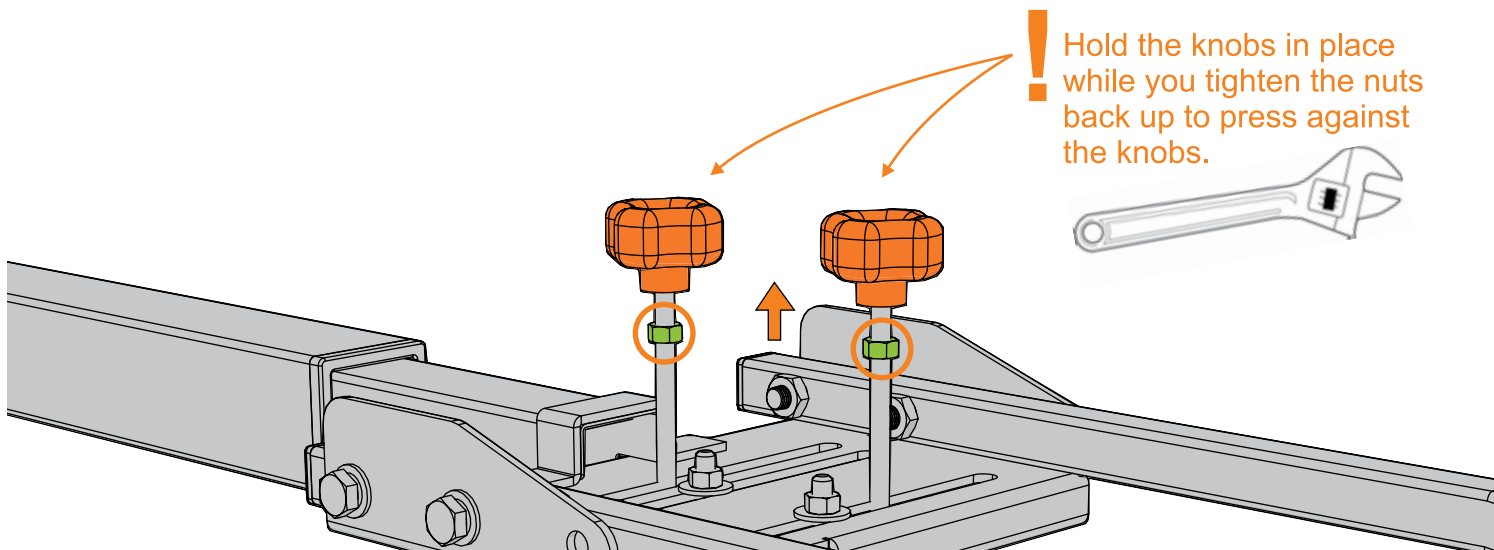
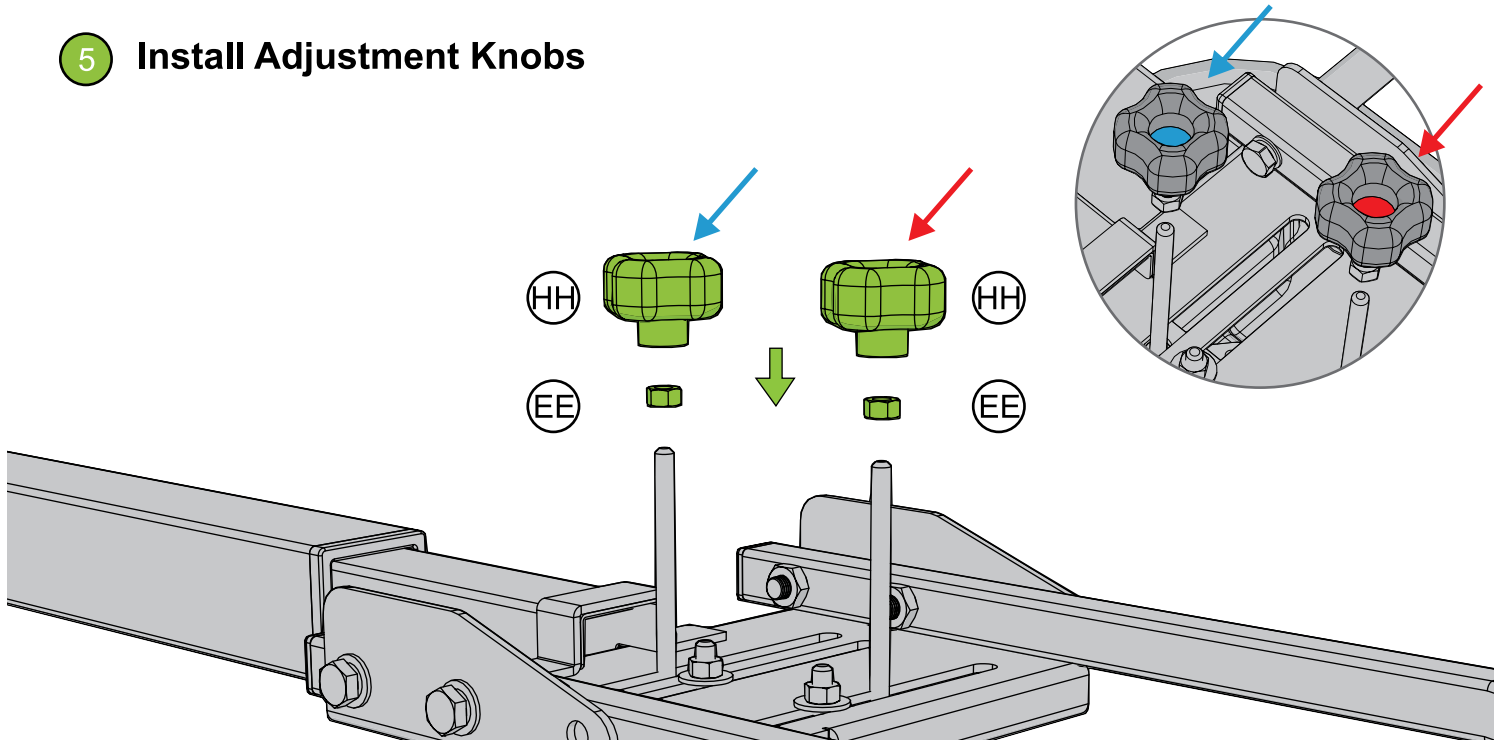


4 Secure Projector

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



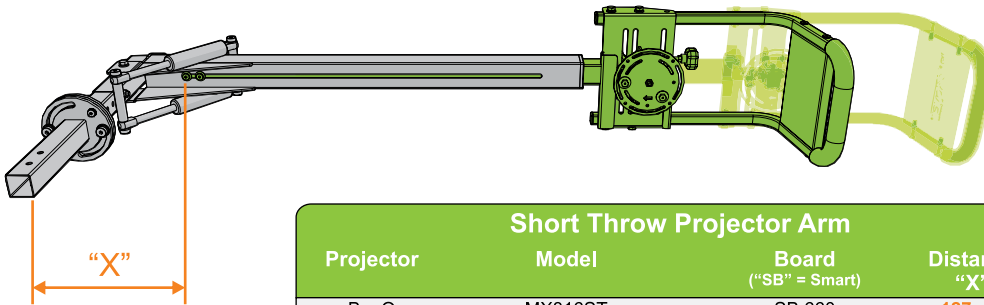
5 Install Adjustment Knobs





Align Your Image

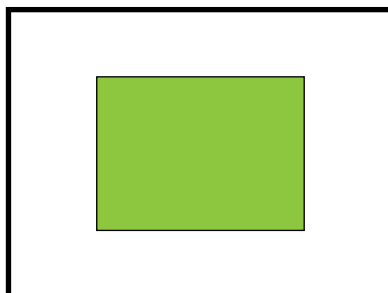
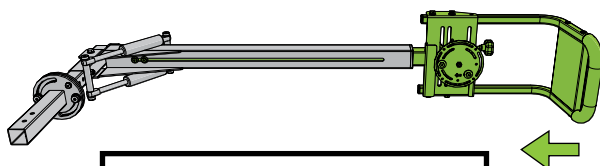
1 Adjust Size of Image Using Distance “X”



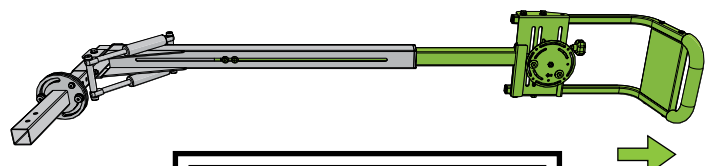
Measure from the post to the first screw.

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
	MW824ST	SBM 685	311mm
Epson	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
	435W	SB 885	241mm
	435W	SBM 685	225mm
Mitsubishi	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
	M352WS	SBM 685	176mm
Optoma	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

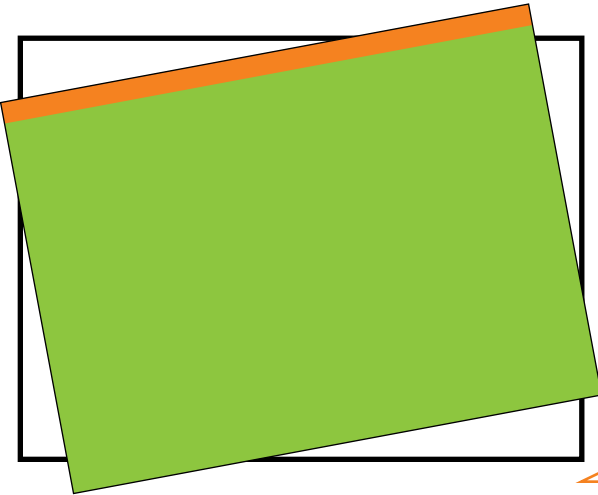


Make Image Larger

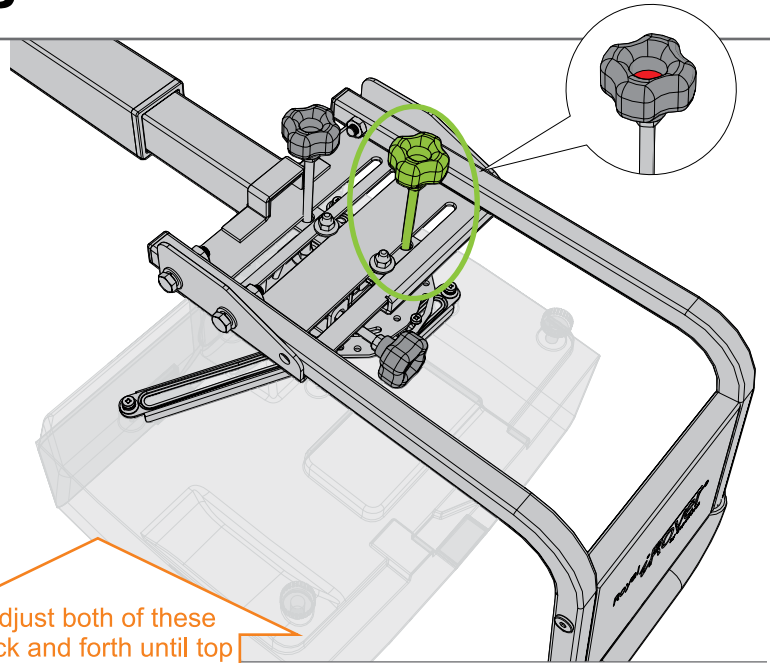


Align Your Image

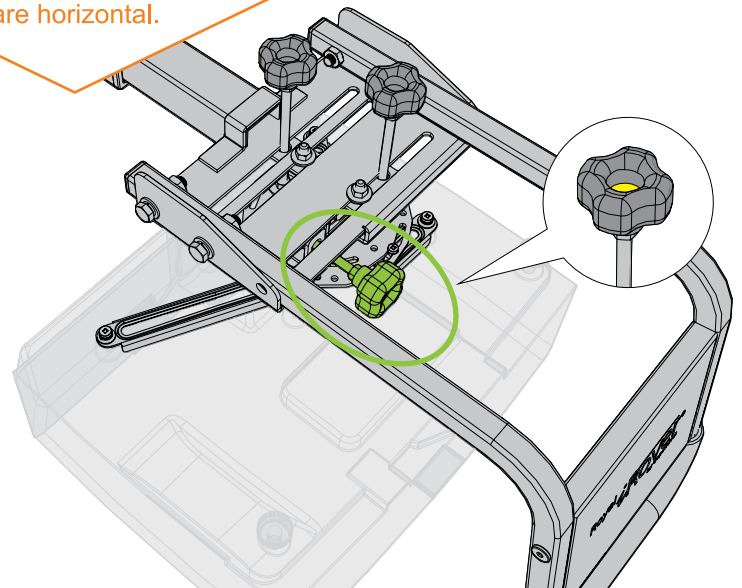
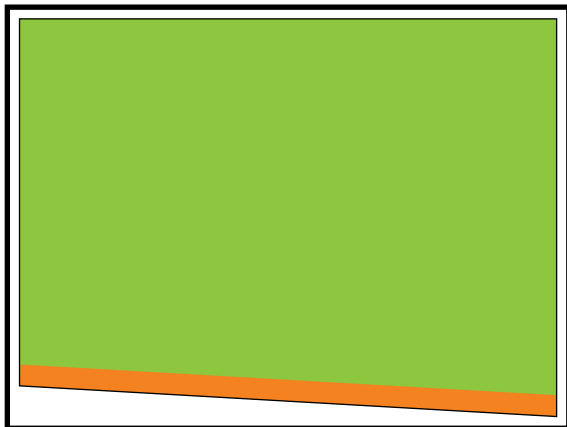
2 Align Top of Image



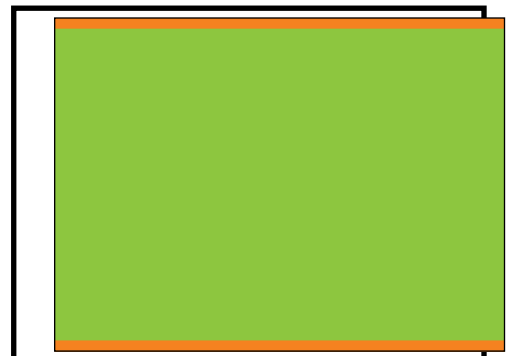
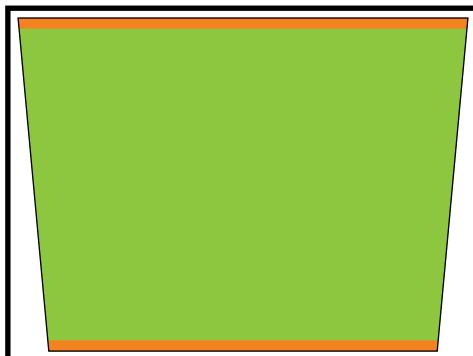
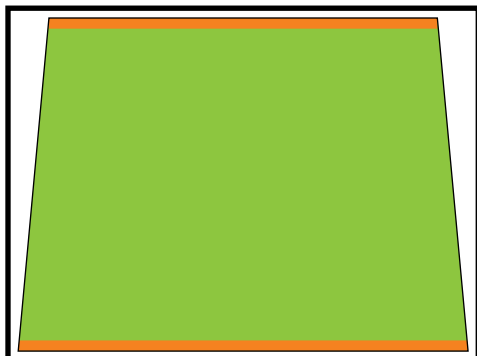
Adjust both of these back and forth until top AND bottom of image are horizontal.



3 Align Bottom of Image



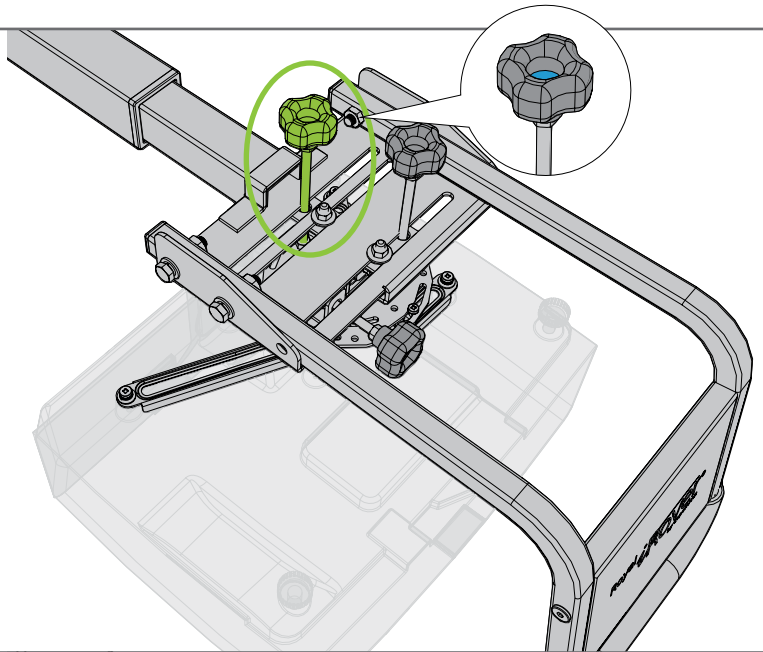
Our Goal: to align top and bottom of image, only once we achieve this we move onto aligning the sides of the image.



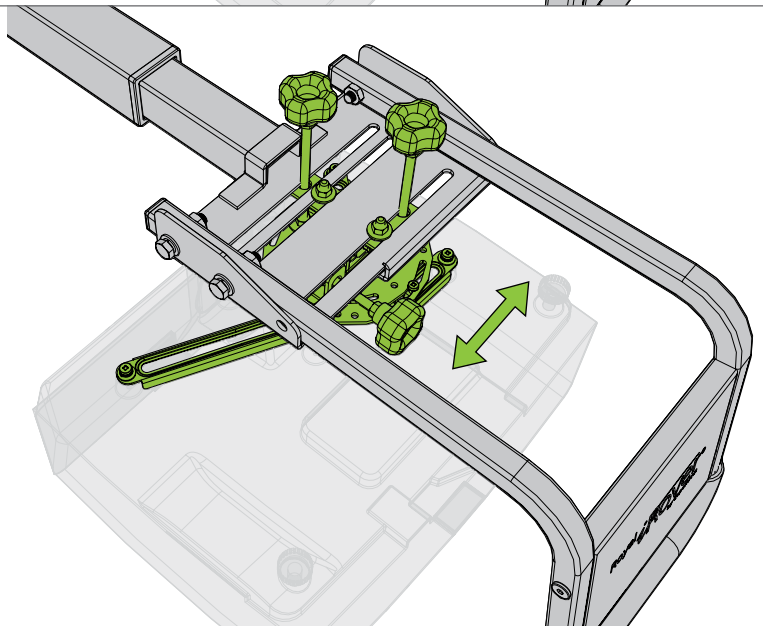
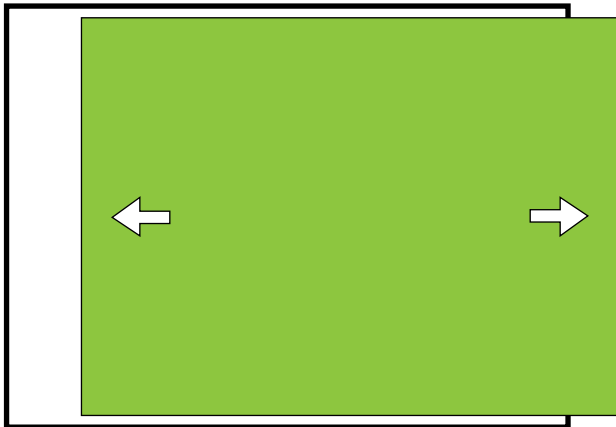


Align Your Image

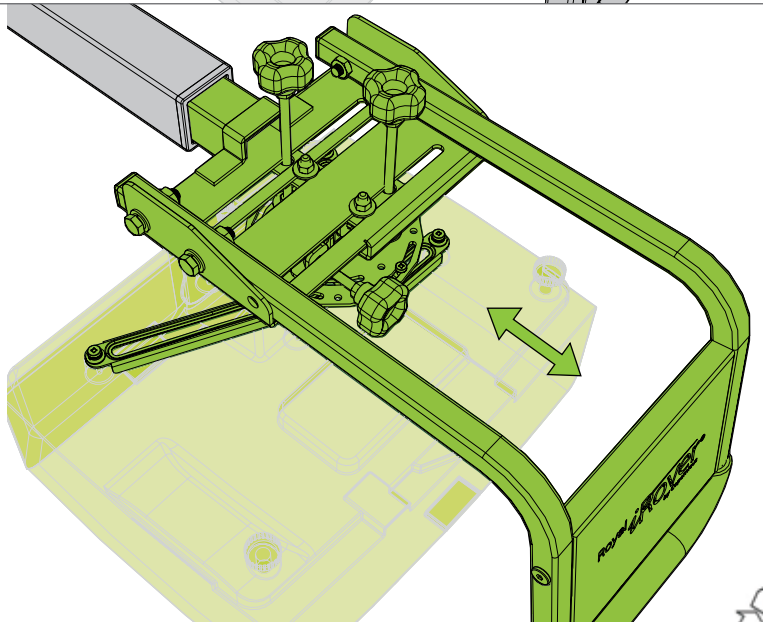
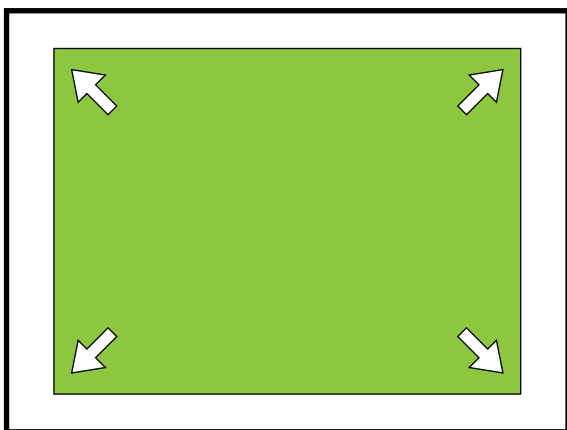
4 Align Sides of Image



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
	MW843U-ST	SBM 685	A	209mm	5,6	M4 x 30mm	3/4" spacer	Zoom: NA, Keystone: 0
Epson	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
	475Wi / 485Wi / 575Wi / 585Wi	Copernicus 87" WB	C	155mm	5,6	M4 x 15mm	1/4" spacer	Zoom: 3 tele clicks, Keystone: 0
	*595Wi							
Hitachi	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
Epson	MW824ST	SBM 685	E	311mm	1,2	M4 x 30mm	3/4" spacer	Zoom: NA, Keystone: +2
	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
	M352WS	Promethean ABT 88	B	184mm	1,2	M4 x 25mm	1/2" spacer	Zoom: 0, Keystone: -1
Optoma	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

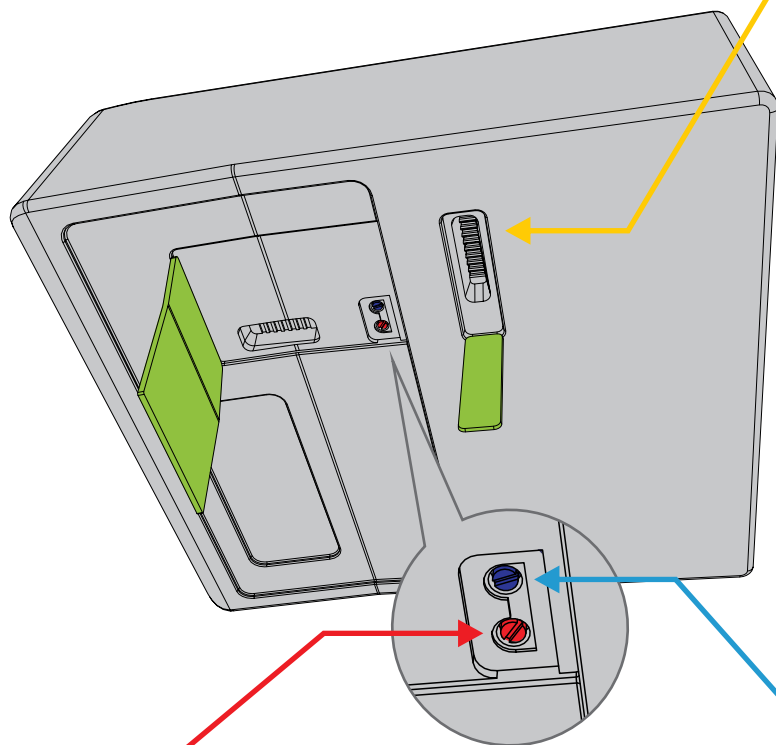
Don't see your projector & board combination here?
Give our Customer Solution Ninjas a shout and they'll help you out.





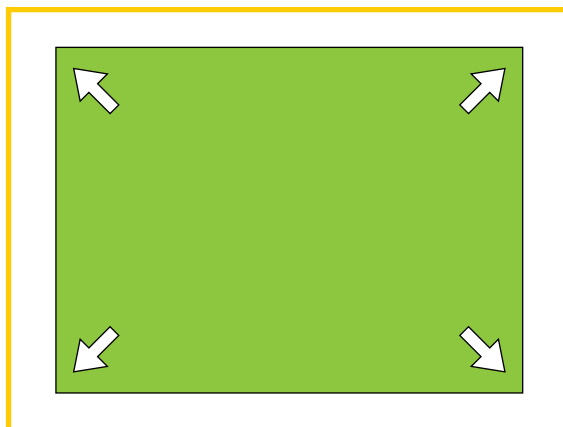
For Sony VPL-SW536 Projector Only!

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.



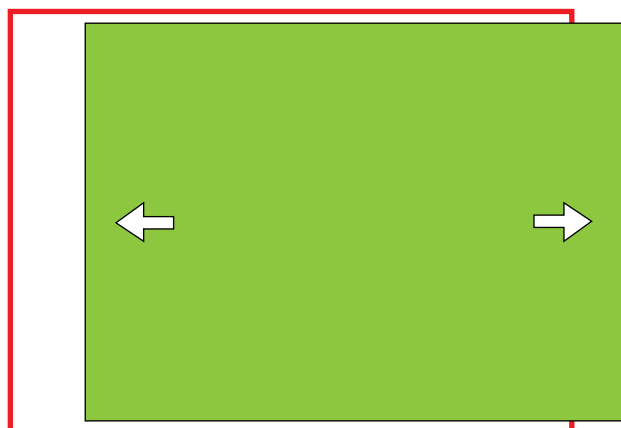
Adjusting Image Size (Zoom)

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



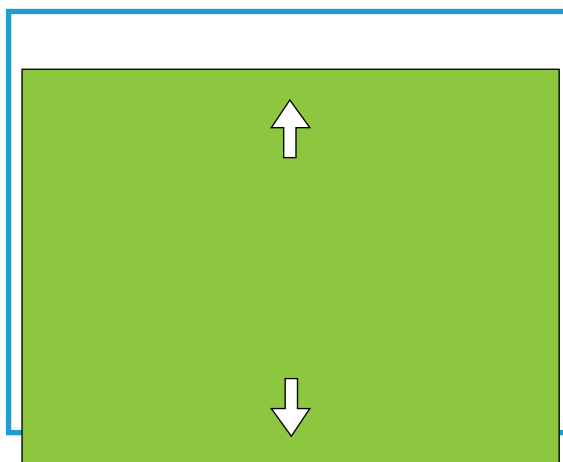
Center Image Horizontally

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.

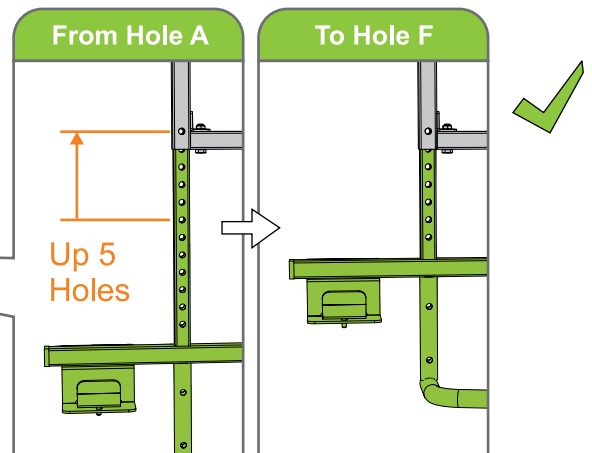
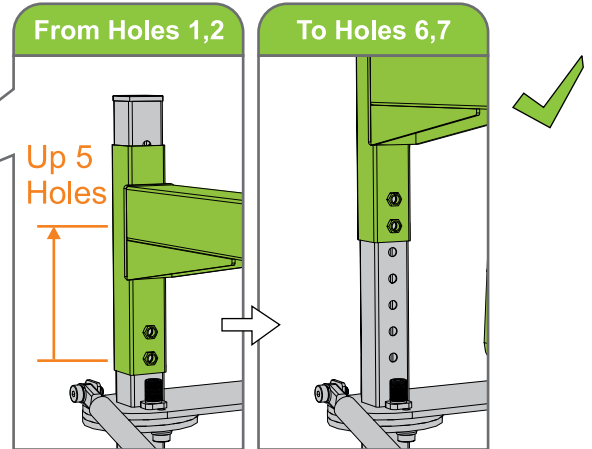
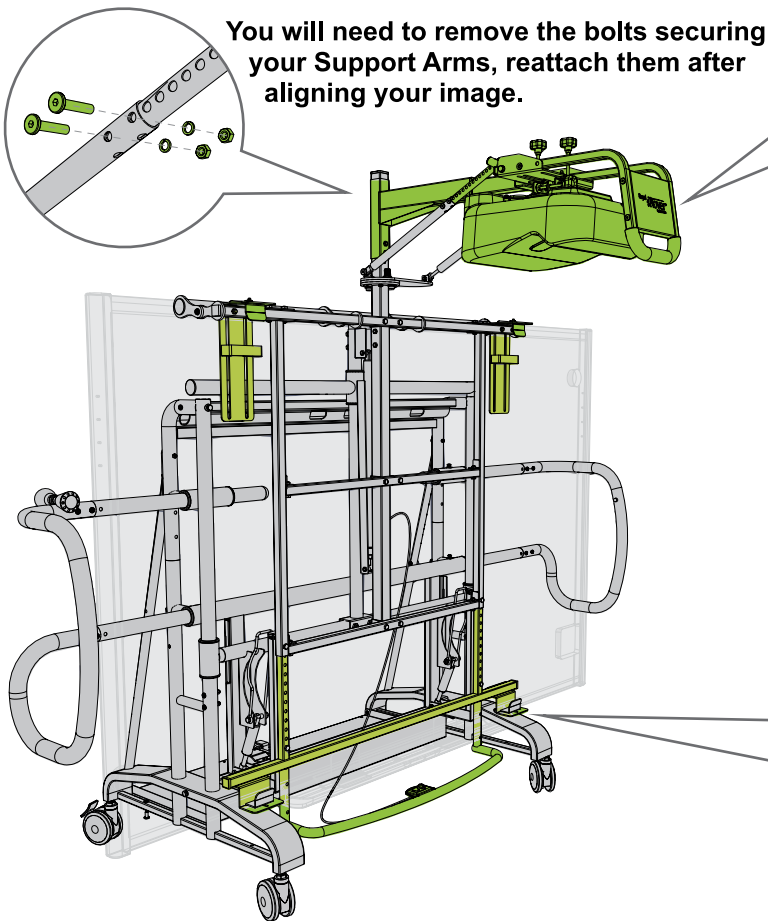




Raising Your Board Up Higher

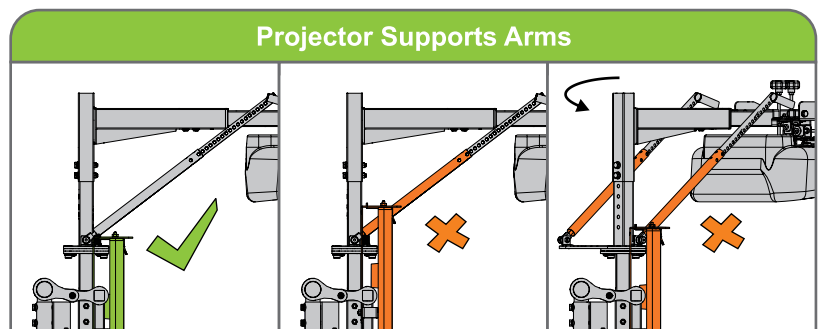
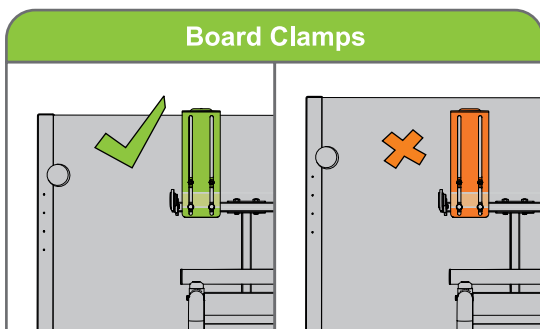
You may wish to raise your board higher than our documentation specifies. This may be the case for older grades or highschool classrooms. By default all our projector and board combinations are setup to sit as close to the floor as possible. Some of these setups may be raised higher. The instructions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



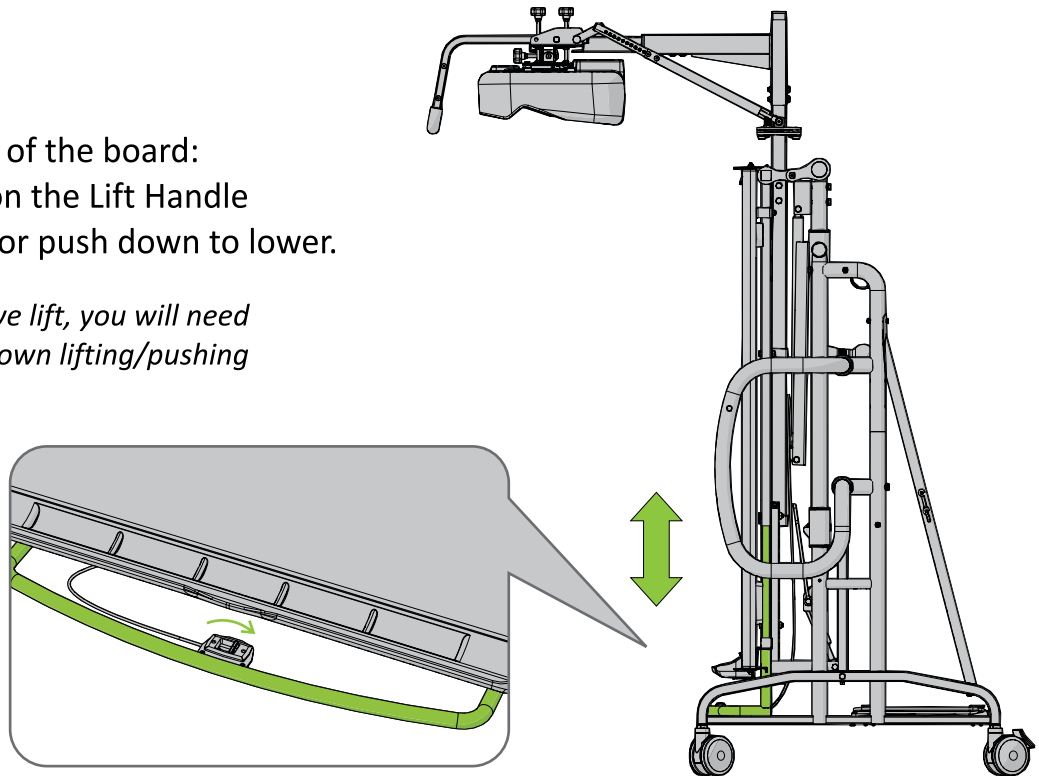


Tips for Use

How to Adjust the Board's Height

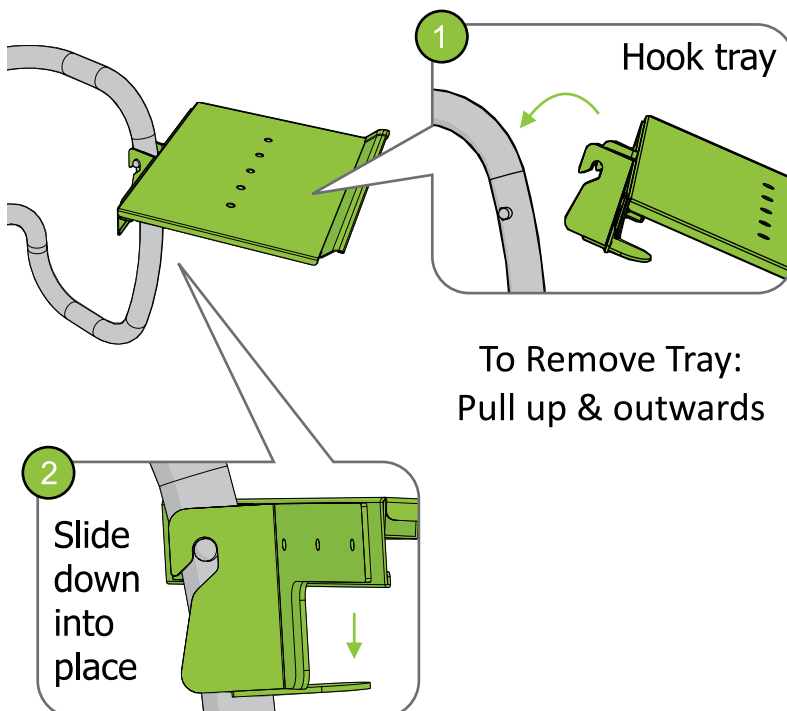
To adjust the height of the board:
Engage the trigger on the Lift Handle
and pull up to raise or push down to lower.

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



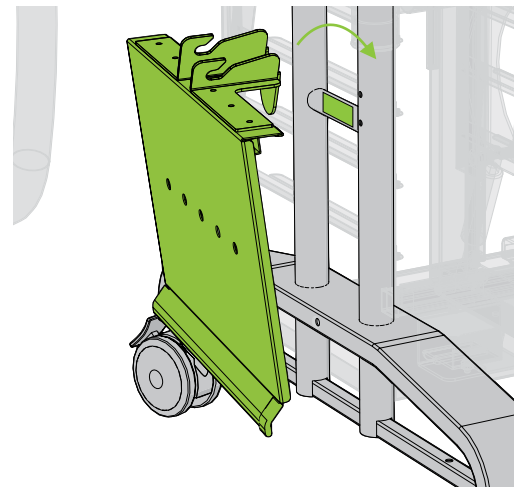
Attaching & Storing Your Laptop Tray

STORE LAPTOP TRAY BEFORE TRANSPORTING



STORAGE

Hang tray on end frame
from Tube marked with
GREEN stripe



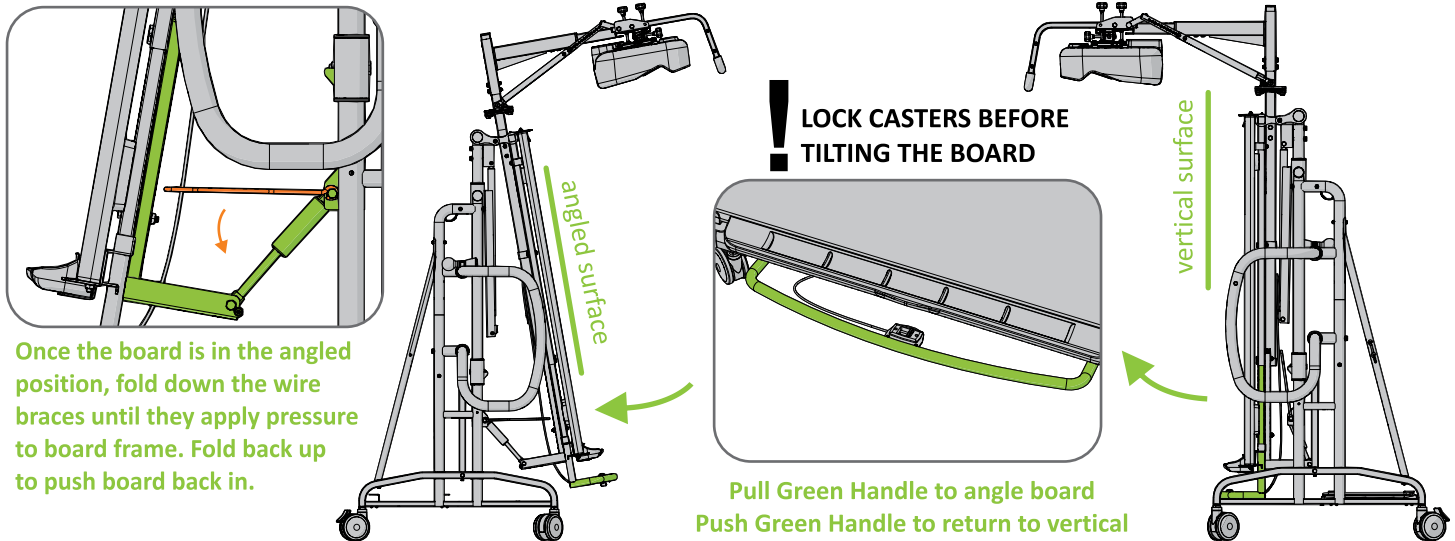


Tips for Use

How to Angle the Board

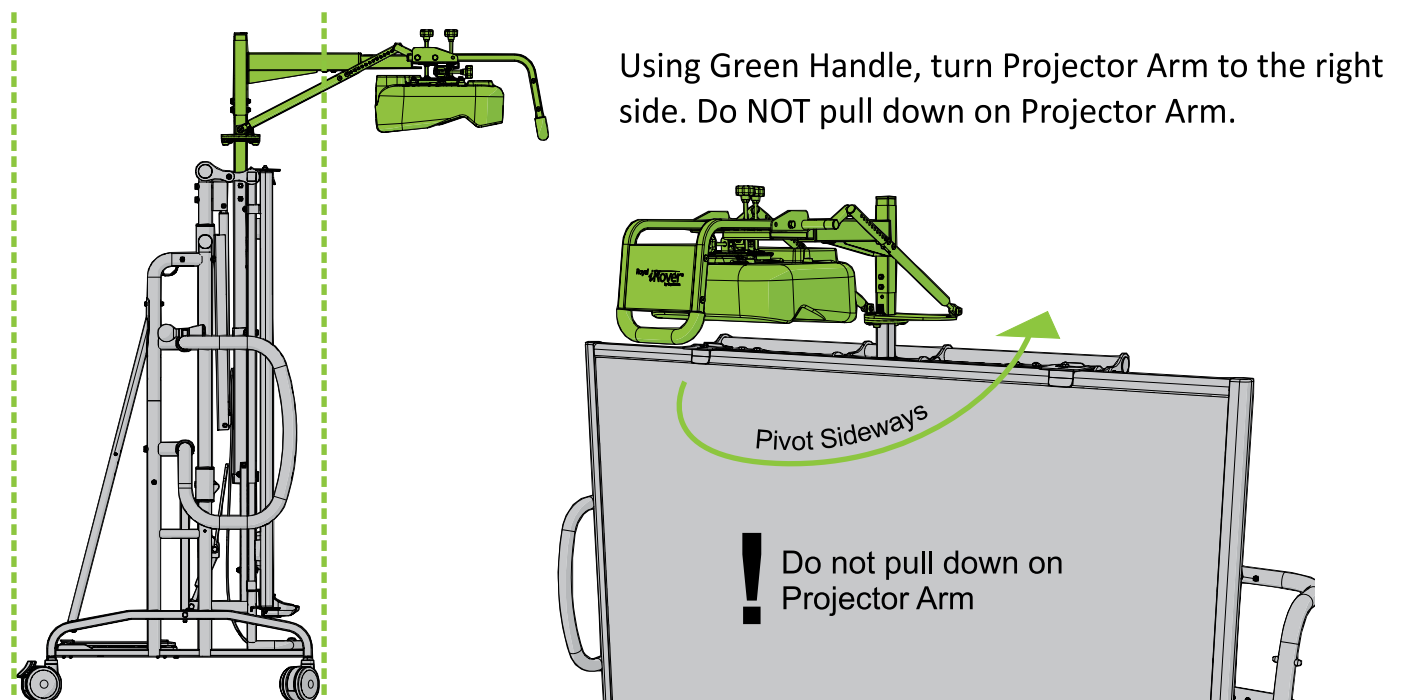
THE BOARD MUST BE IN VERTICAL POSITION TO FIT THROUGH A DOORWAY

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.



How to Turn the Projector Arm to Fit Through Doorways

ARM MUST BE TURNED TO FIT THROUGH A DOORWAY





Care & Maintenance

Touchboards

205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511
Fax: (732)-222-7088 | E-mail: sales@touchboards.com

How to care for your iRover^{2™}

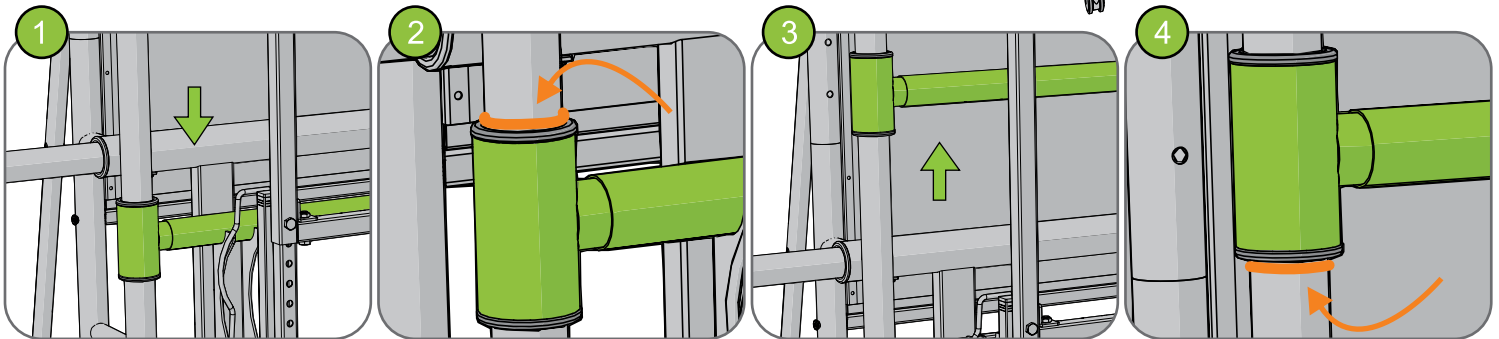
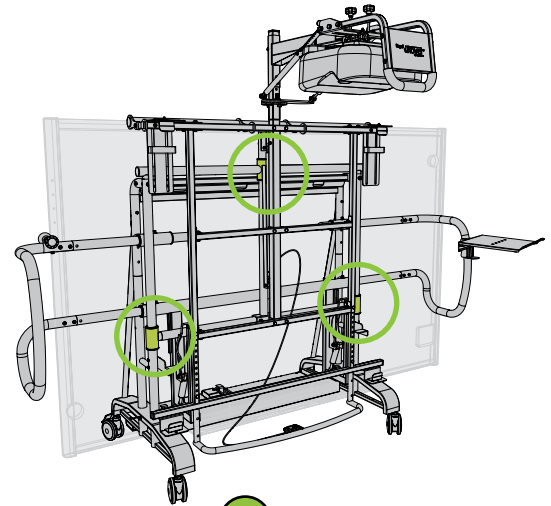


- iRover^{2™} is made for indoor use only
- Cleaning: wipe with dry or damp cloth and use mild soap only if necessary.
- Verify that the Gas Lift is working properly: the lift is in good condition if you can lift the board to maximum height without using your own force to assist, and bring it back down 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.

