

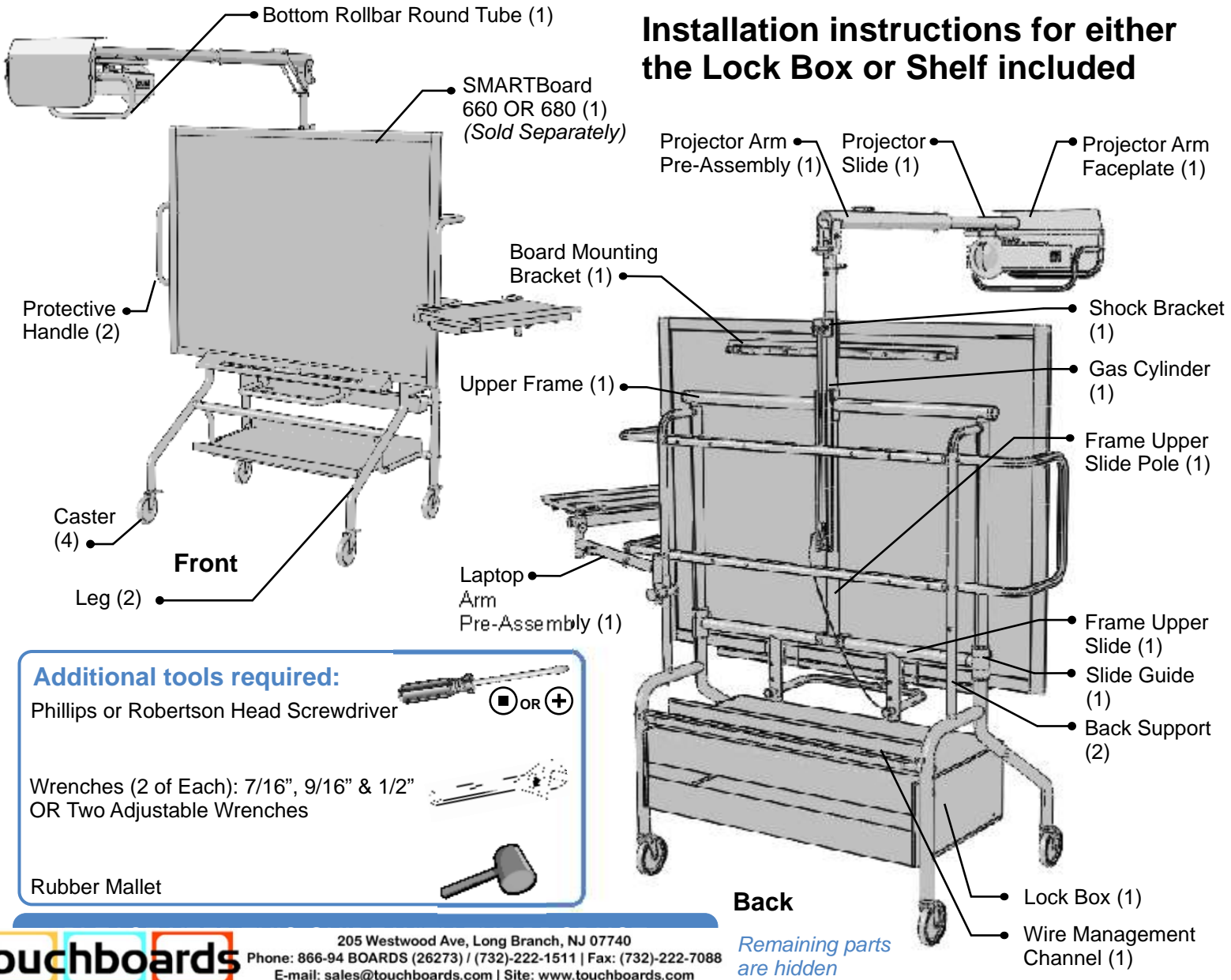


205 Westwood Ave, Long Branch, NJ 07740
Phone: 866-94 BOARDS (26273) / (732)-222-1511 | Fax: (732)-222-7088
E-mail: sales@touchboards.com | Site: www.touchboards.com


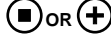
WARNING !


- 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.


Installation instructions for either the Lock Box or Shelf included



Additional tools required:

Phillips or Robertson Head Screwdriver  OR 

Wrenches (2 of Each): 7/16", 9/16" & 1/2" OR Two Adjustable Wrenches 

Rubber Mallet 



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Remaining parts are hidden



Validate Your Warranty & Enter to Win!
To validate your three year frame warranty, submit the ON-LINE form at www.copernicused.com
Enter a draw to win a Copernicus Product for your classroom at the same time!

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 Instructions. 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

- Layout and identify all of the included parts
- The hardware has been packed according to size, separate them based on those sizes
- Read the assembly instructions over once to familiarize yourself with them



 Please note that in its unassembled state, this product contains parts that can be a hazard to small children; it should be assembled by an adult

As You Assemble the Unit

- Follow the steps in sequence
- Before beginning each step, find the part(s) that you need for that step
- Pay attention to the labeling 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



FAQ's

My SMARTBoard 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), OR Please call Smart Tech Support, where someone will be happy to assist you. 1.866.518.6791. Monday to Friday 5:00 a.m. – 6:00 p.m. Mountain Time

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), OR
Epson 410W Projector - Please call Epson Customer Service, where someone will be happy to assist you. (905)709-3839 in Canada; (562)276-4394 in the United States. Monday to Friday 6:00am - 6:00pm PST
NEC NP600S Projector - Please call NEC Technical Support, where someone will be happy to assist you. 1-800-836-0655 or 1-800-366-5213
Sharp PG-F267X Please call Sharp Customer Service, where someone will be happy to assist you. 1-800-237-4277 (1-800-BE-SHARP)



My height adjust system is not working. What do I do?

Please call Copernicus Customer Service, where we will be happy to help. 1-800-267-8434. Monday - Friday 8:30am - 4:30 pm EST

The Gas Cylinders are not working properly. What do I do?

Please call Copernicus Customer Service, where we will be happy to help. 1-800-267-8434. Monday - Friday 8:30am - 4:30 pm EST

I lost the key to my Lock Box. What do I do?

Please call Copernicus Customer Service, where we will be happy to help. 1-800-267-8434. Monday - Friday 8:30am - 4:30 pm EST

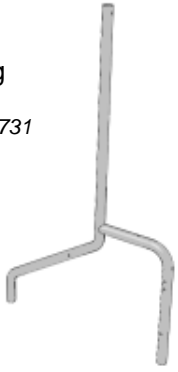


Royal® iRover Premium - Parts

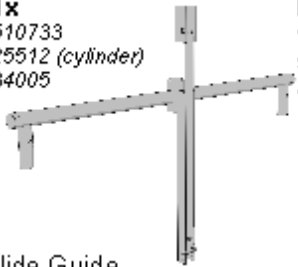
Before beginning, you should have:

Contents - Box IR100-0

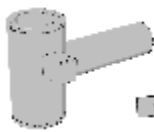
Leg
2x
510731



Upper Frame & Gas Cylinder
1x
510733
25512 (cylinder)
34005



Slide Guide
1x
33043



Wire Management Stretcher
1x
33046



Upper Stretcher (6 thru holes)
2x
33047

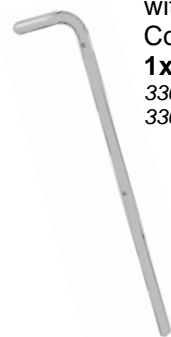


4" Total Lock Caster
4x
41008

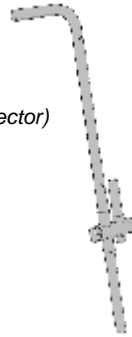


Contents - Box IR00-0-A

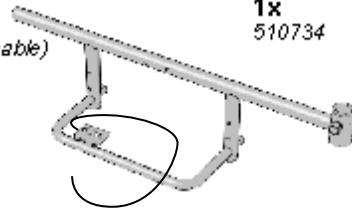
Back Support
1x
33044



Back Support with Laptop Connector
1x
33044
330501 (connector)



Frame Upper Slide & Release Cable
1x
510732
25513 (cable)



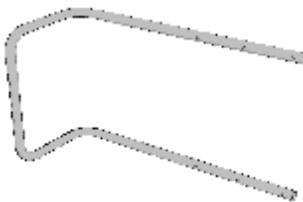
Frame Upper Slide Pole
1x
510734



Upper Mount Bracket
1x
34006



Protective Handle
2x
33048

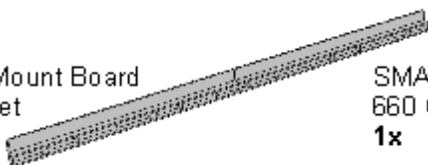


Power Bar
1x
25514
Illustration Only



Contents - From the SMARTBoard Box

Wall Mount Board Bracket
1x



SMARTBoard 660 OR 680
1x



In Box IR100-0-A

Hardware
Actual Size
43204

A - 430083
6x



B - 430081
14x



C - 430141
4x



D - 430112
Regular nut
2x



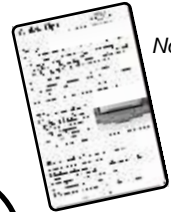
E - 430102
20x



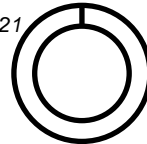
F - 430110
8x



Quick Tips Label
1x
Not to Scale
23021



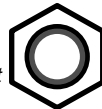
G - 4301021
4x



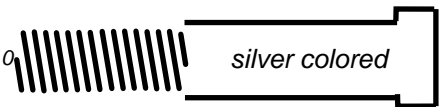
H - 430161
4x



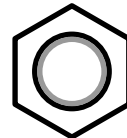
I - 430104
Lock Nut with plastic insert
2x



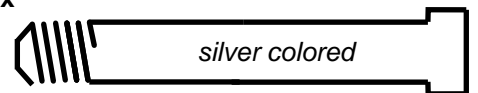
J
2x
43310



K - 430120
Lock Nut with plastic insert
2x



L - 430238
2x



Royal® iRover Premium - Parts

Before beginning, you should have:

Contents - Box IR100-PA

- Projector Slide 1x 330494
- Projector Mount Plate Assembly 1x 34010, 34009, 34008
- Top Rollbar Square Tube 1x 330495
- Projector Arm Faceplate 1x 330497
- Projector Arm Pre-Assembly 1x 330493, 330491, 330492
- Gas Cylinder 2x Pre Assembled 25511
- VGA Cable 1x 25517
- Bottom Rollbar Round Tube 1x 330496
- Split Black Wire Loom 1x 25505

In Box IR100-PA

Hardware Actual Size 43205

- M - 432061 4x
- N - 43237 1x
- O - 43210 5x
- 430424 Allen Key 1x
- E - 430102 4x
- I - 430104 Lock Nut with plastic insert 1x
- P - Black One-Wrap Velcro Strap 9x 43321 Not to Scale

Contents - Box IR100-LA

- Laptop Arm Pre-Assembly 1x 320392, 320391, 330503, 330502
- P - Black One-Wrap Velcro Strap 3x 43321 Not to Scale

In Box IR100-LA

For use with Sharp PG-F267X

- Q - 430315 Spacer - White 4x
- R - 43211 4x

Contents - Box IR100-S

- Lower Stretcher 2x 33045
- Shelf 1x 32040
- Shelf Stretcher 2x 33051

In Box IR100-LB

Hardware Actual Size

- A - 430083 8x
- S - 430071 4x
- D - 430112 Regular nut 4x
- E - 430102 12x
- T - 430314 Nylon Spacer 4x

Contents - Box IR100-LB

- Lock Box 1x 320411
- Marker Bin 1x 320413

In Box IR100-LB

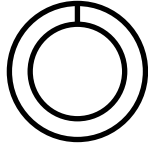
Hardware Actual Size

- B - 430081 6x
- Key 2x 43044 Not to Scale
- U - 430162 6x

★ Do not tighten any fasteners, unless instructed

1

Actual Size:



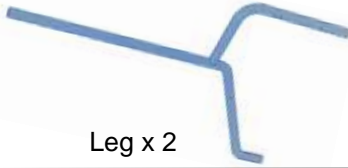
G
x 4

You will need: (Not to Scale)

Caster x 4



Leg x 2



Install Casters

Lock Casters to tighten, & leave locked for remainder of Assembly

ⓐ



To tighten casters use a large adjustable wrench



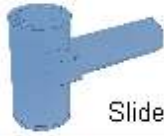
2i

Actual Size:

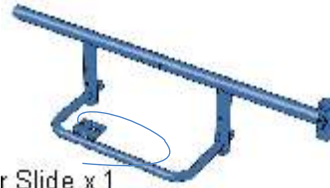


3 Person Task

You will need: (Not to Scale)



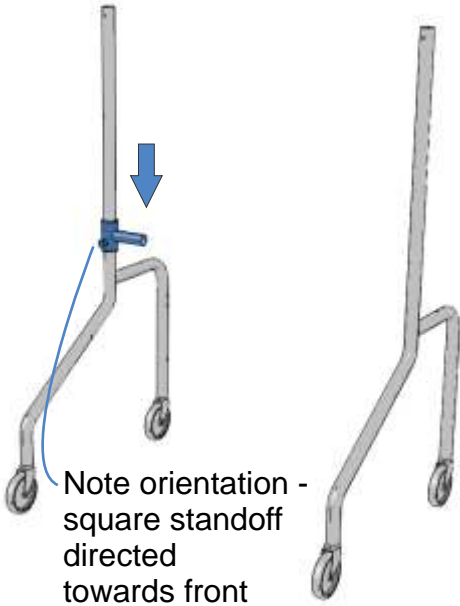
Slide Guide x 1



Frame Upper Slide x 1

Build Sliding Frame

1



2

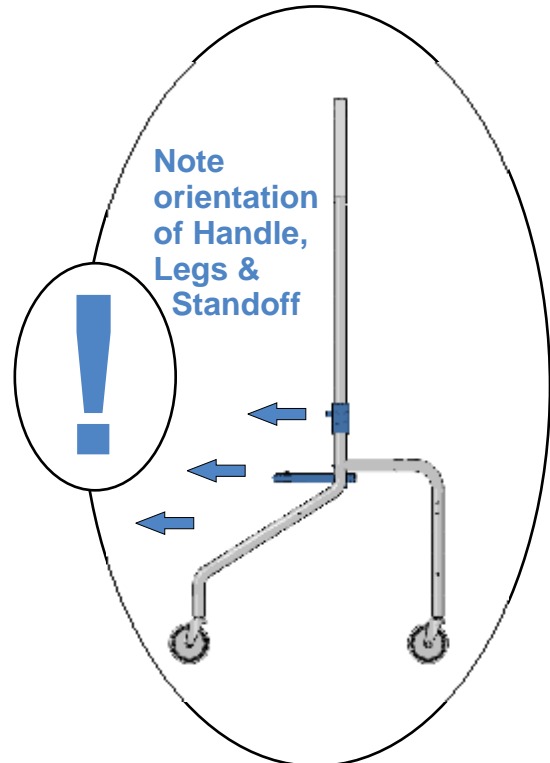


Please note: Sliding parts are lubricated with a Petroleum Based Jelly to ensure smooth movement when adjusting the height.



3

CONTINUED on following page...



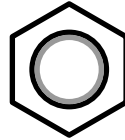
2ii

Actual Size:



silver colored

J x 2



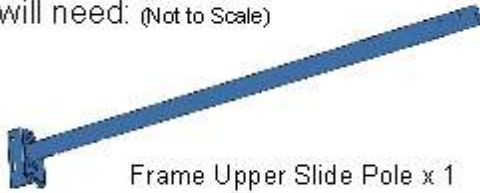
K x 2

Included with original hardware



3 Person Task

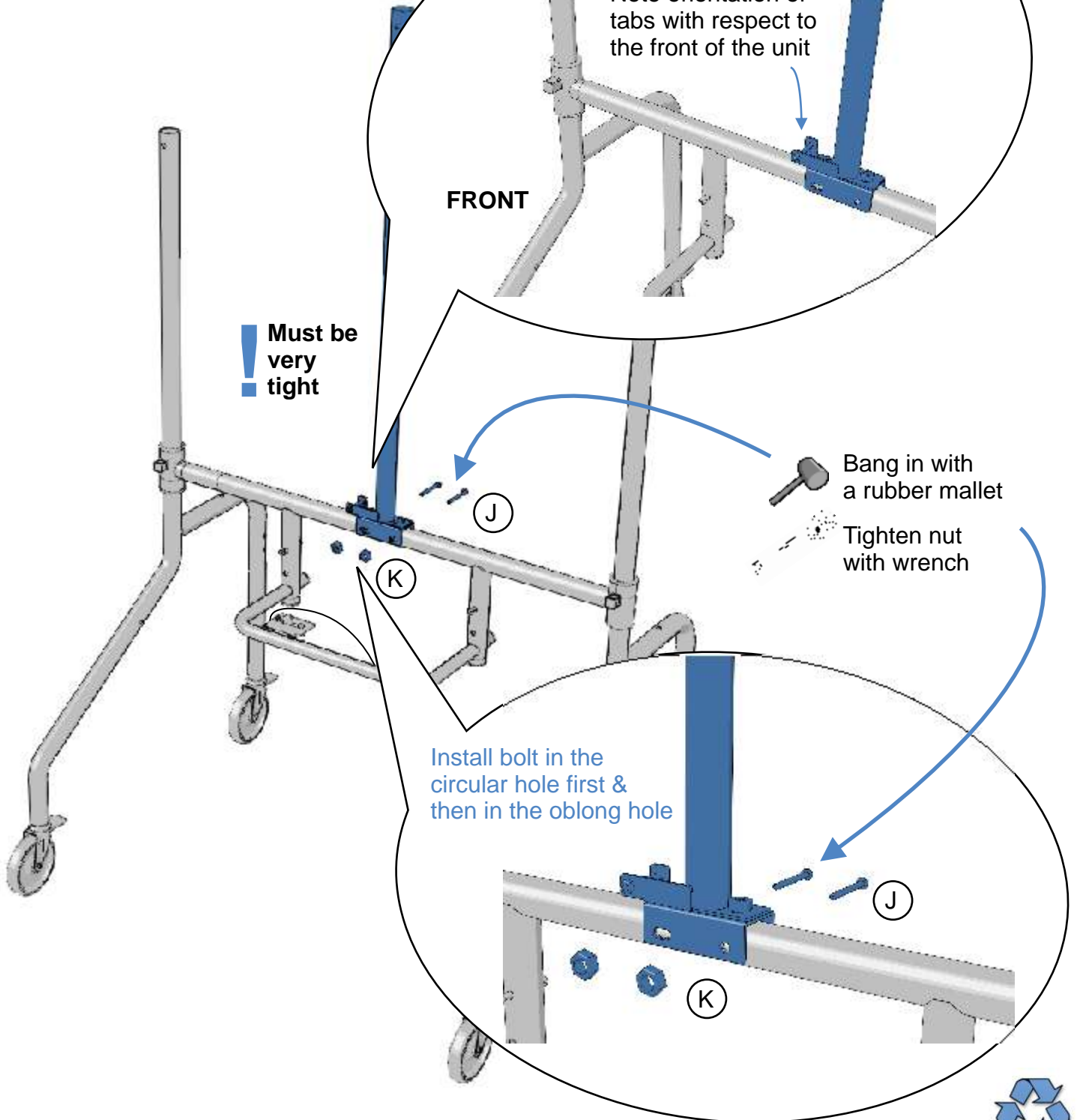
You will need: (Not to Scale)



Frame Upper Slide Pole x 1

CONTINUED...Build Sliding Frame

3



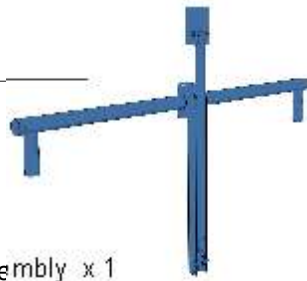
3

Actual Size:



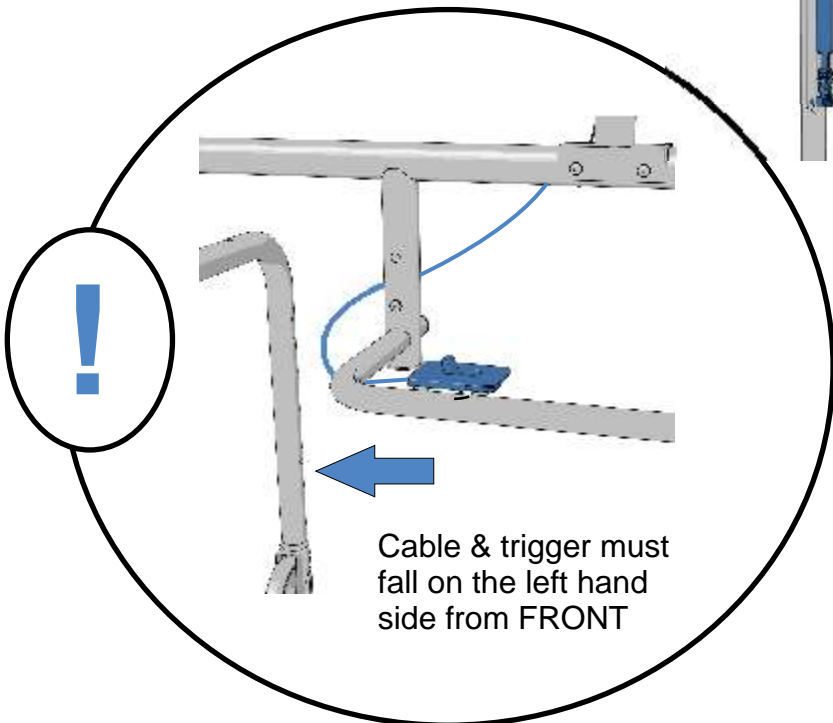
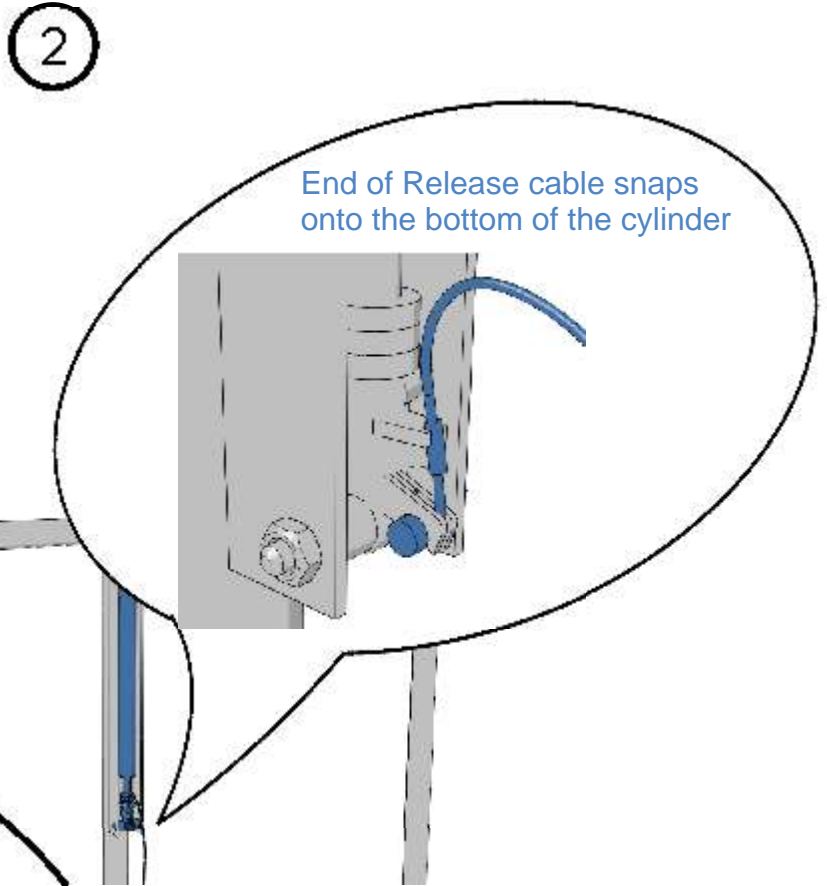
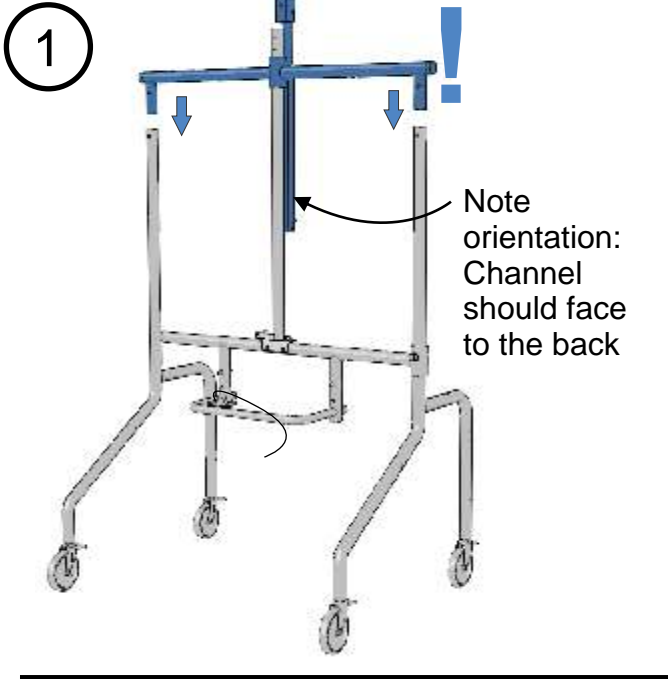
2 Person Task

You will need: (Not to Scale)



Upper Frame PreAssembly x 1

Install Upper Frame & Secure Release Lever



! WARNING! Shock is under pressure! Do not pull trigger once cable is connected.



4

Actual Size:

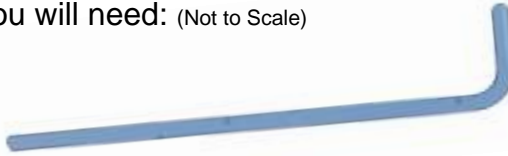


A
x 4

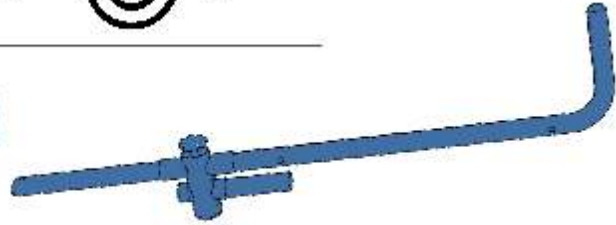


E
x 4

You will need: (Not to Scale)

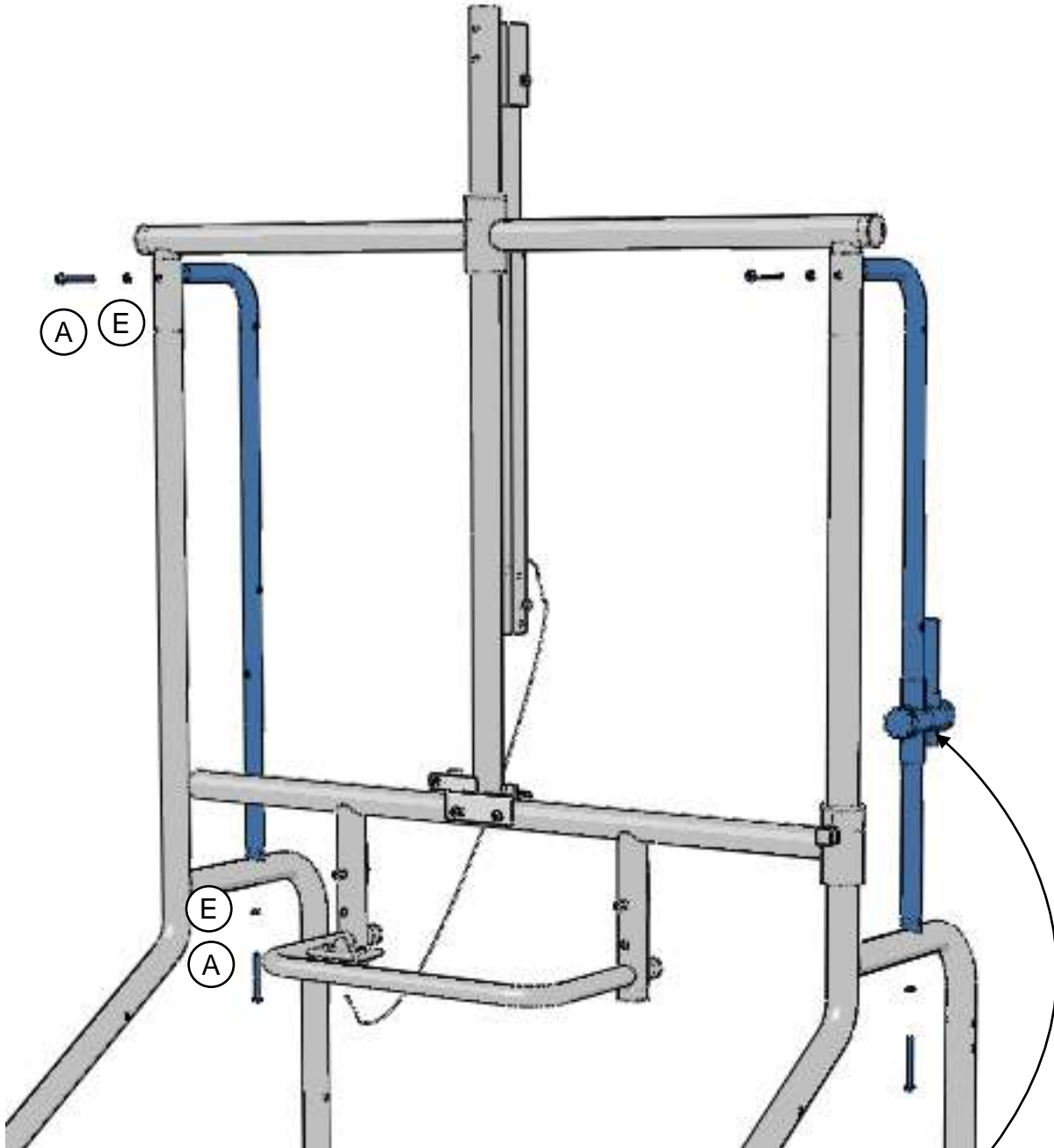


Back Support x 1



Back Support with Laptop Connector x 1

Install Back Supports



! Looking from the FRONT, ensure Laptop Connector is on the right hand side



5

Actual Size:



B
x 4



E
x 4

You will need: (Not to Scale)

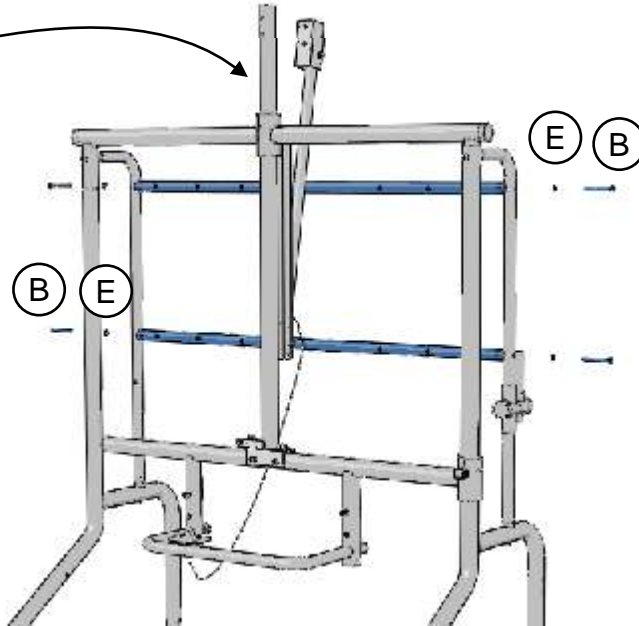


Upper Stretcher (6 thru holes) x 2

Install Upper Stretchers

! Before securing Upper Stretchers, ensure Gas Cylinder is upright

You may want to secure the shock upright with an enclosed Velcro Strap until it is fastened



6

Actual Size:



A
x 2



E
x 2

You will need: (Not to Scale)

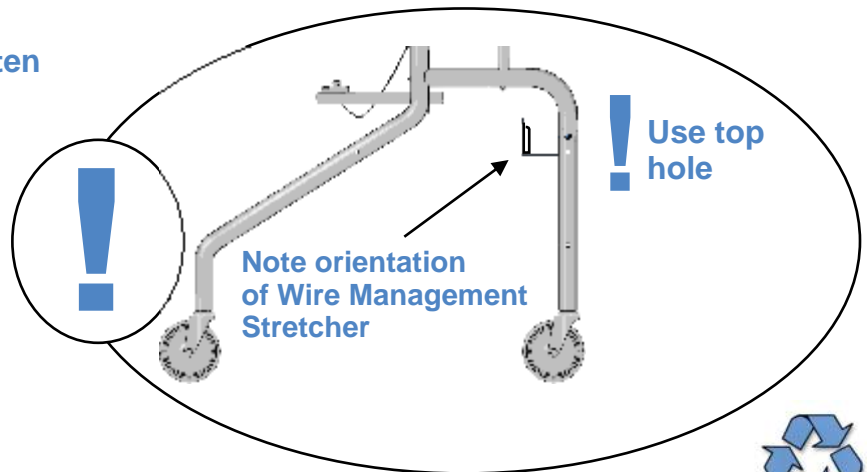


Wire Management Stretcher x 1

Install Wire Management Stretcher



! Do Not Tighten



7A

Actual Size:



B
x 6



U
x 6

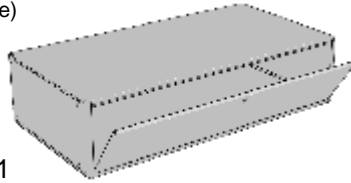


Key
2x
43044
Not to Scale



2 Person Task

You will need: (Not to Scale)



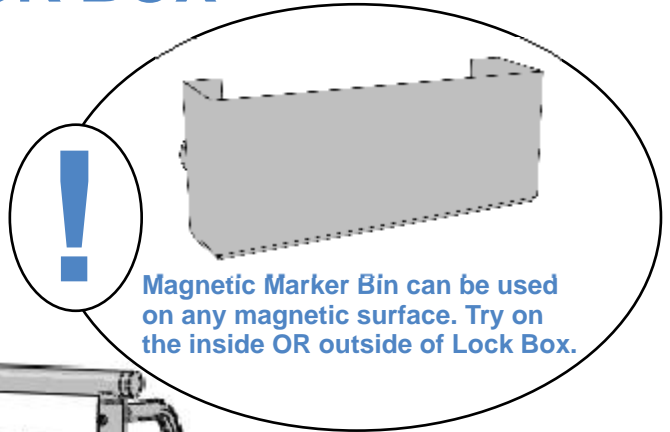
Lock Box x 1



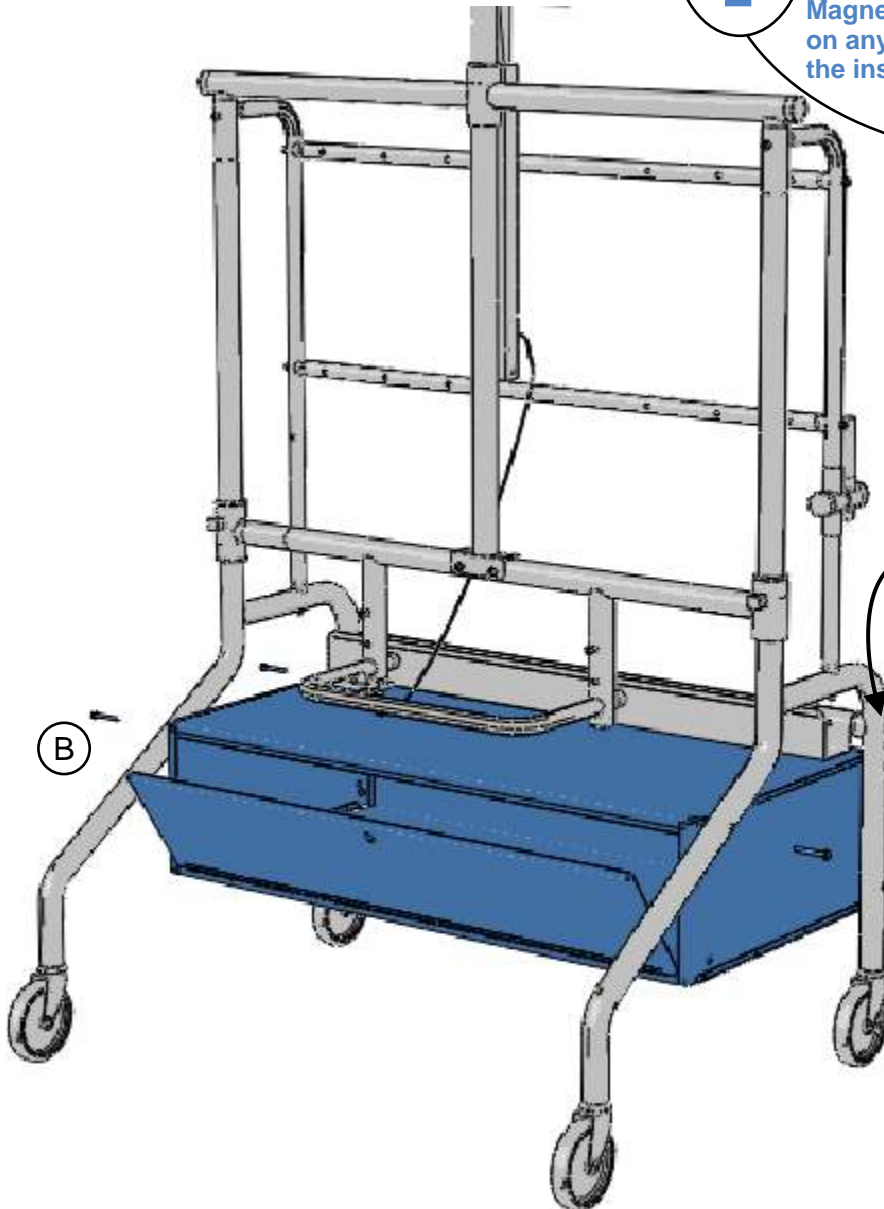
Marker Bin x 1

If you are installing a LOCK BOX

Install Lock Box



Magnetic Marker Bin can be used on any magnetic surface. Try on the inside OR outside of Lock Box.



TIP - Fasten the back top hole first

! You must loosen the bolts in the Cable Management Channel to install the Lock Box. Re-tighten once Lock Box is secured.

B
! Note: Hardware Item 'U' attaches on the inside of the box.
Hidden in Image

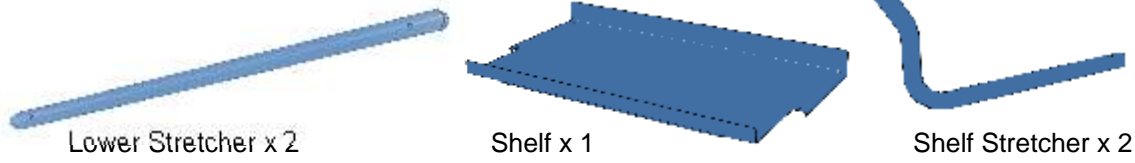


7B

Actual Size:



You will need: (Not to Scale)



T - Nylon Spacer x 4

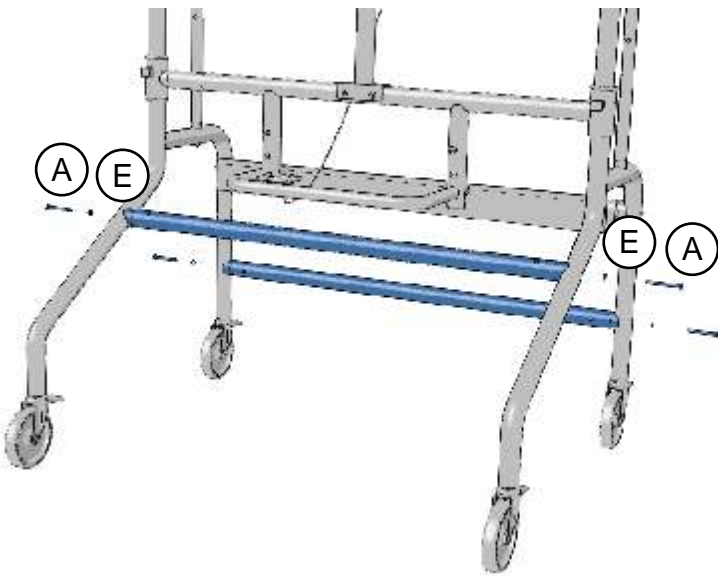


If you are installing the Shelf

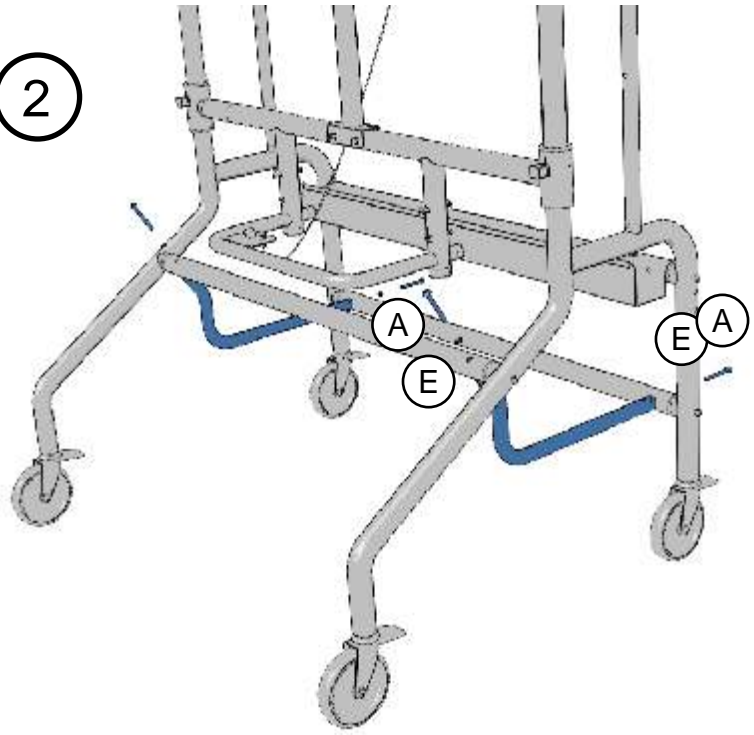
Install Lower Stretchers & Shelf

1

Do not tighten hardware until all parts are attached

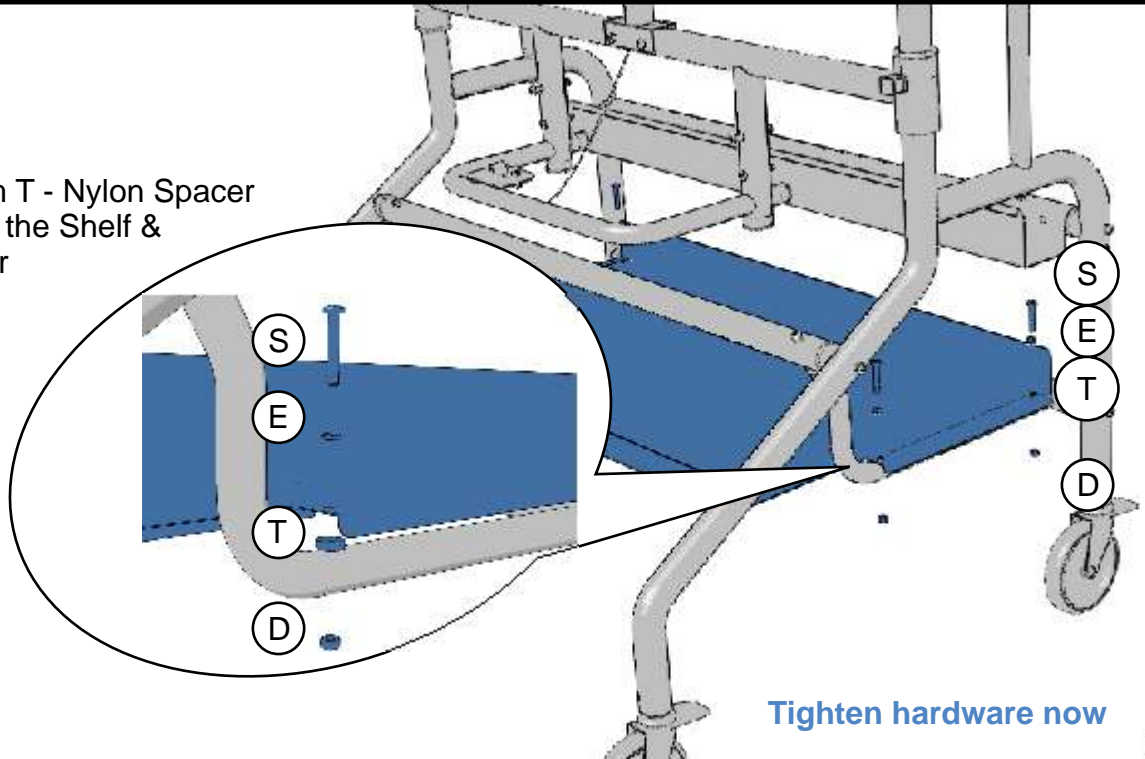


2



3

Hardware Item T - Nylon Spacer goes between the Shelf & Shelf Stretcher

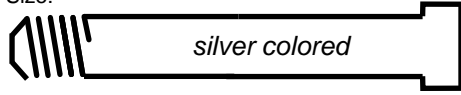


Tighten hardware now



8

Actual Size:



L x 2



I x 2

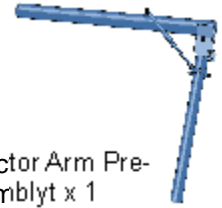


3 Person Task

You will need: (Not to Scale)



Upper Mount Bracket x 1



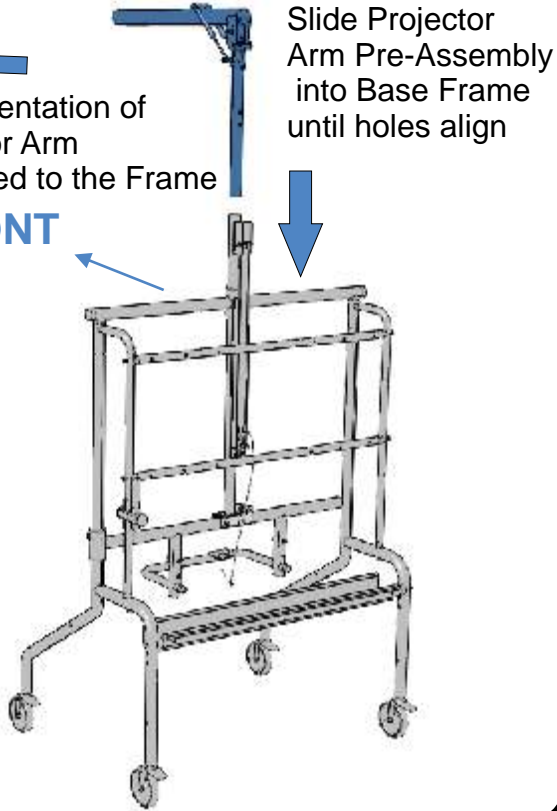
Projector Arm Pre-Assembly x 1

Install Projector Arm & Upper Mount Bracket

1

Note orientation of Projector Arm compared to the Frame

FRONT



Slide Projector Arm Pre-Assembly into Base Frame until holes align

DO NOT OVER TIGHTEN
Over tightening will crush tubes

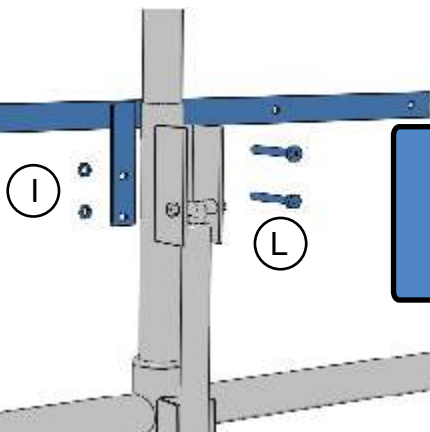
DO NOT RELEASE GAS CYLINDER TO INSTALL THE BOLTS

Raise Gas Cylinder up to align with holes by lifting from the lower handle

2

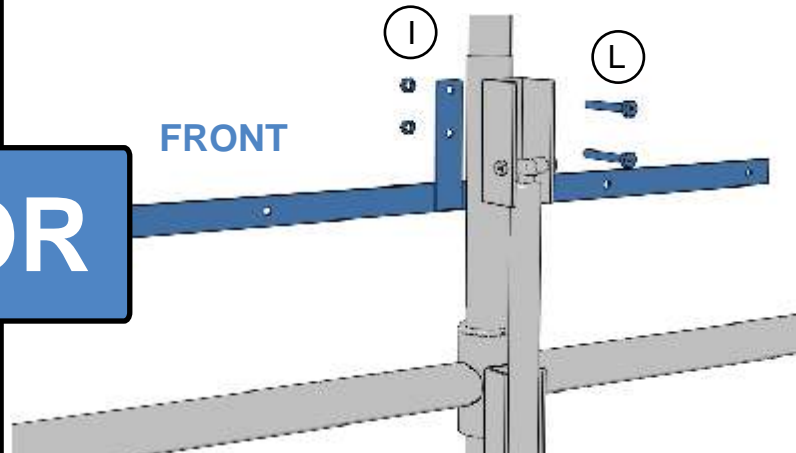
For SMART 680

FRONT



For SMART 660

FRONT



OR



9

Actual Size:



For use with Sharp PG-F267X ONLY

Actual Size:



Q - Spacer
White
x 4

You will need: (Not to Scale)



Upper Mount Bracket x 1

You will need one of the following projectors:

Epson Powerlite 410W
Projector

OR

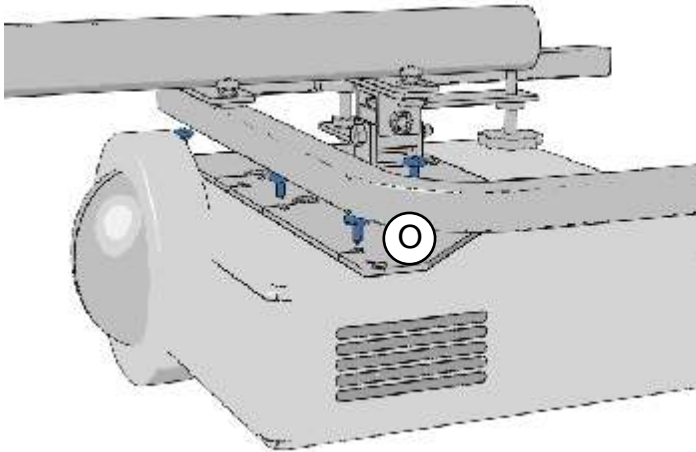
NEC600S
Projector

Sharp PG-F267X
Projector

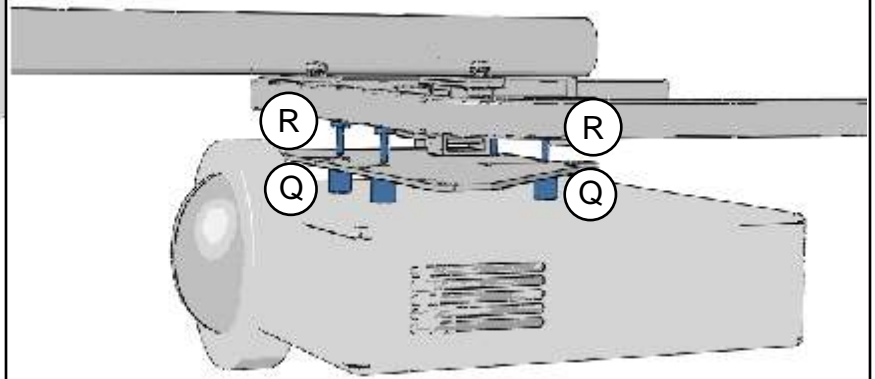
Install Projector to Projector Mount Plate



Projector illustrated may look different from the one you are installing



Sharp PG-F267X + SMARTBoard 660 ONLY



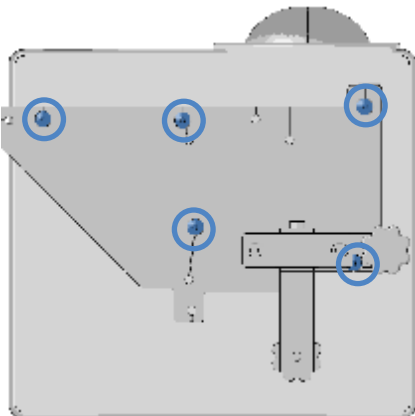
Hardware Item 'Q' sits between the Projector & the Projector Mount Plate

Epson Powerlite 410W OR
NEC 600S with either
Smart 660 OR 680

Sharp PG-F267X with Smart 680
ONLY

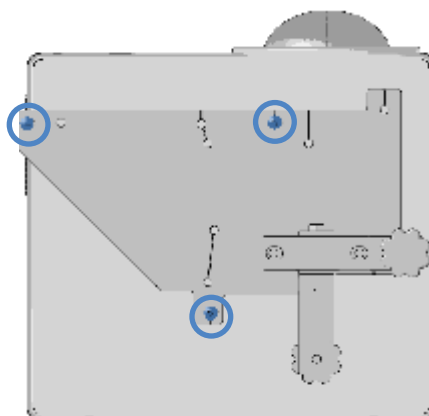
Epson Powerlite 410W

Use the 5 holes shown
Ensure all are fastened



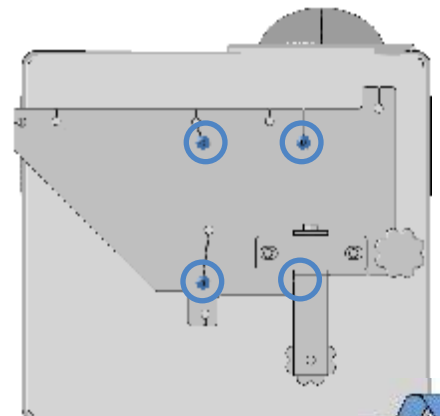
NEC 600S

Use the 3 holes shown
Ensure all are fastened



Sharp PG-F267X

Use the 4 holes shown
Ensure all are fastened

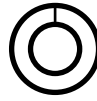


10

Actual Size:



M
x 4



E
x 4

You will need: (Not to Scale)

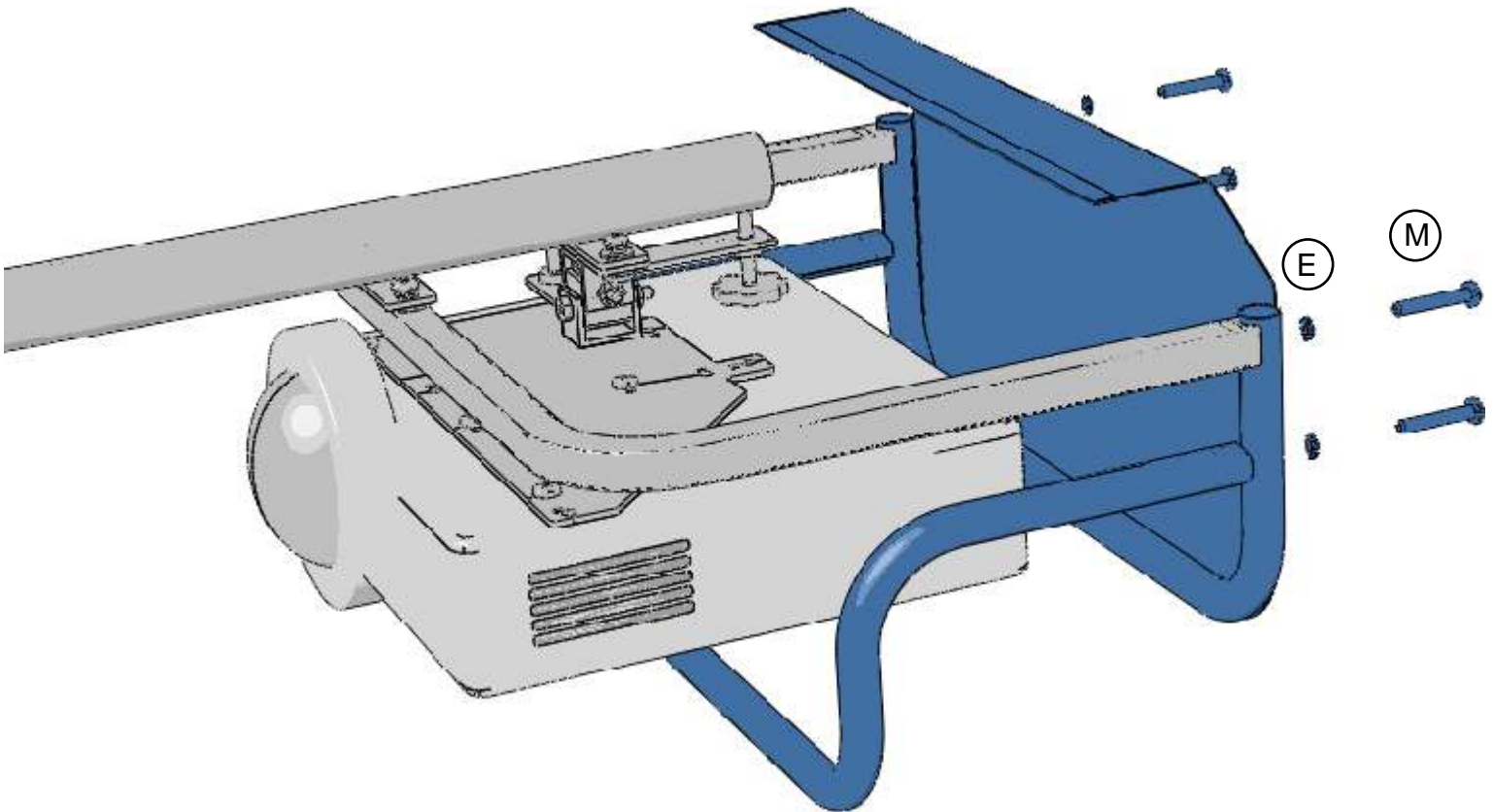


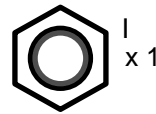
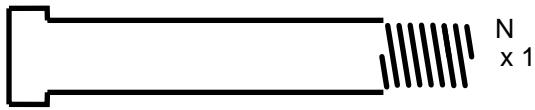
Projector Arm Faceplate x 1



Bottom Rollbar
Round Tube x 1

Install Faceplate & Bottom Rollbar





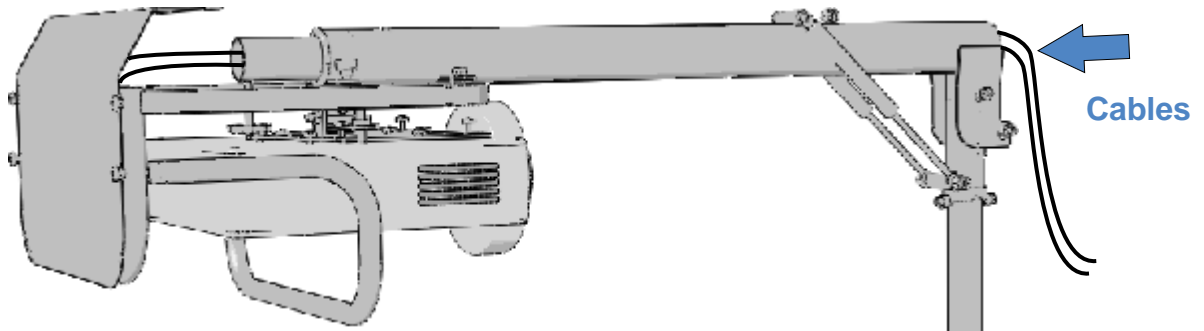
Install Projector Slide Assembly onto iRover Frame

1

Slide Projector Slide Arm Assembly all the way into the Projector Arm Assembly

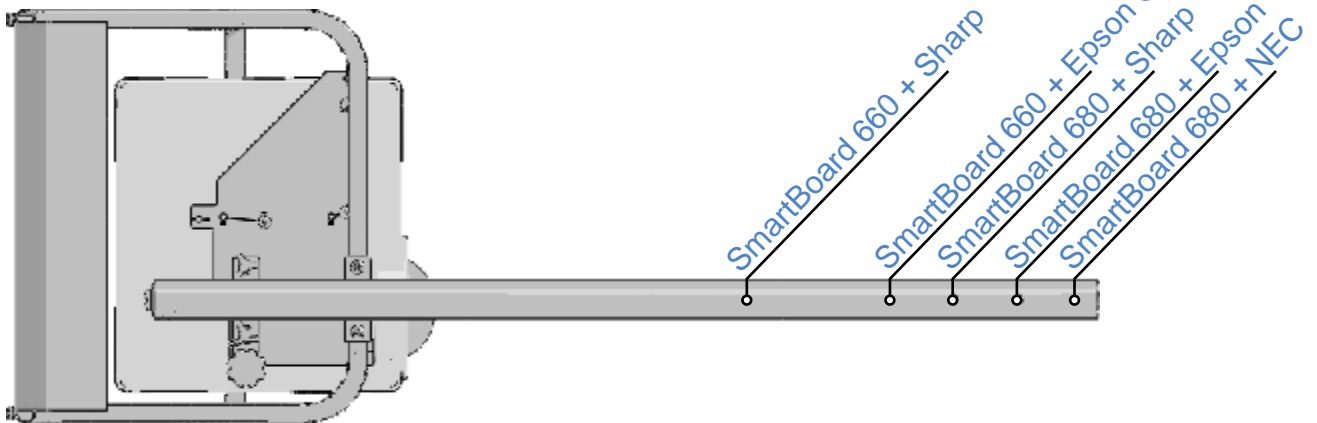
Insert male end of VGA Cable (VGA extension included with iRover) & female end of Projector Power Cords through Arm, starting from the back

Feed enough cord through to leave about 2' of slack cable at the Projector end



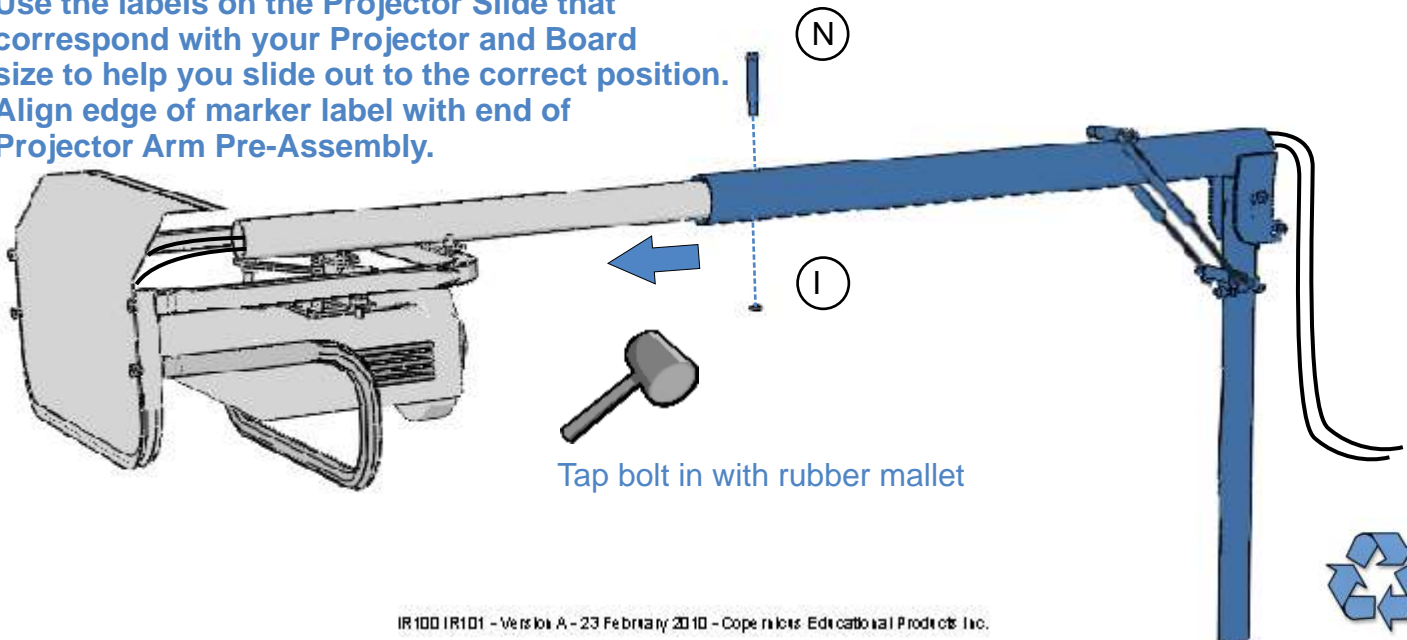
2

Choose the right hole for your Board Size & Projector Model



3

Use the labels on the Projector Slide that correspond with your Projector and Board size to help you slide out to the correct position. Align edge of marker label with end of Projector Arm Pre-Assembly.



12

Actual Size:

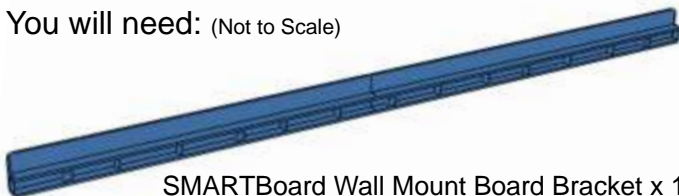


C
x 4



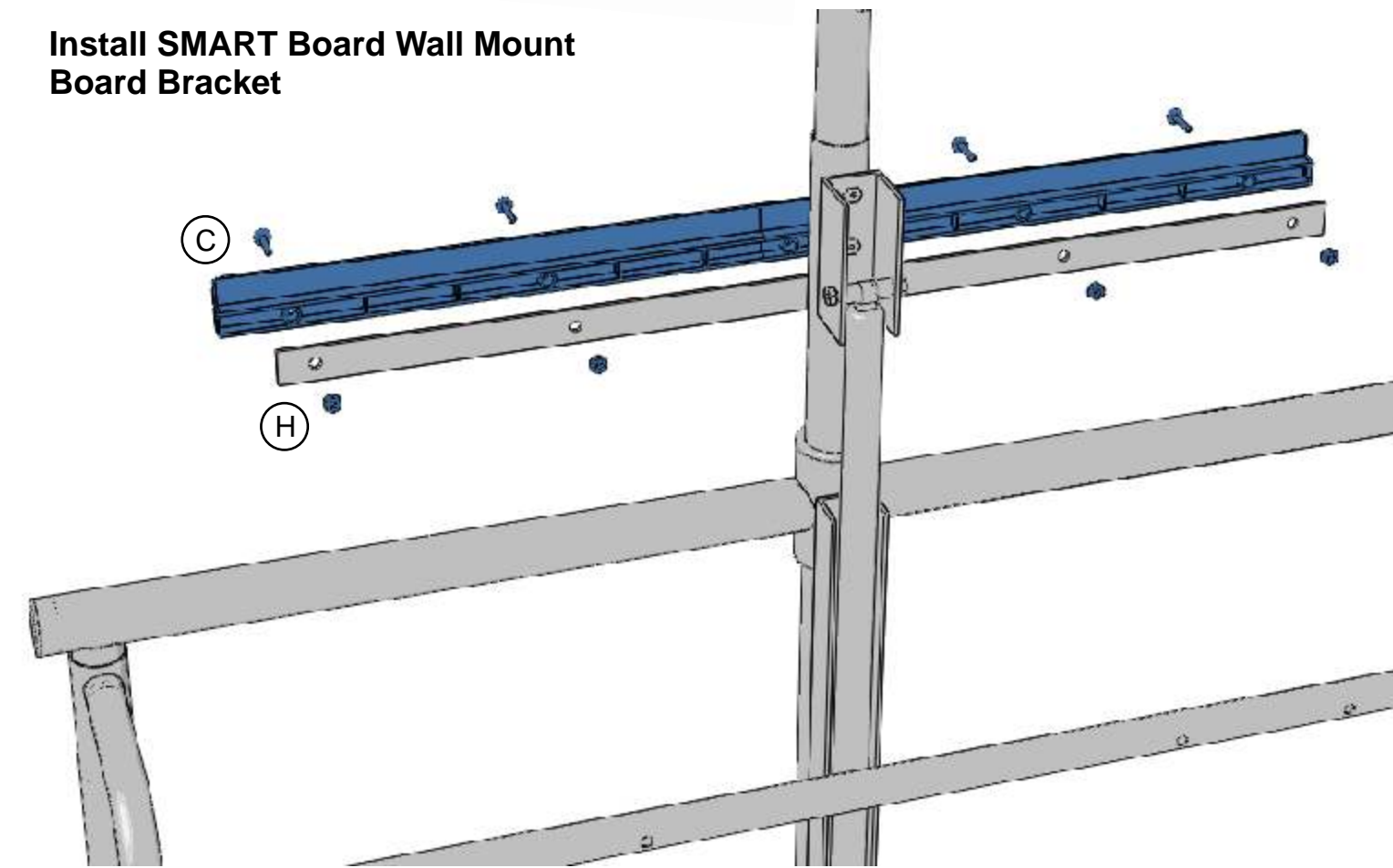
H
x 4

You will need: (Not to Scale)



SMARTBoard Wall Mount Board Bracket x 1 - This is found in the box with your SMARTBoard

Install SMART Board Wall Mount Board Bracket



STOP!

Ensure all
fasteners up to
this point are
tightened



13

Actual Size:



B
x 2



D
x 2



E
x 2



2 Person Task

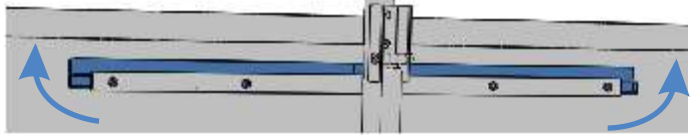
You will need: (Not to Scale)



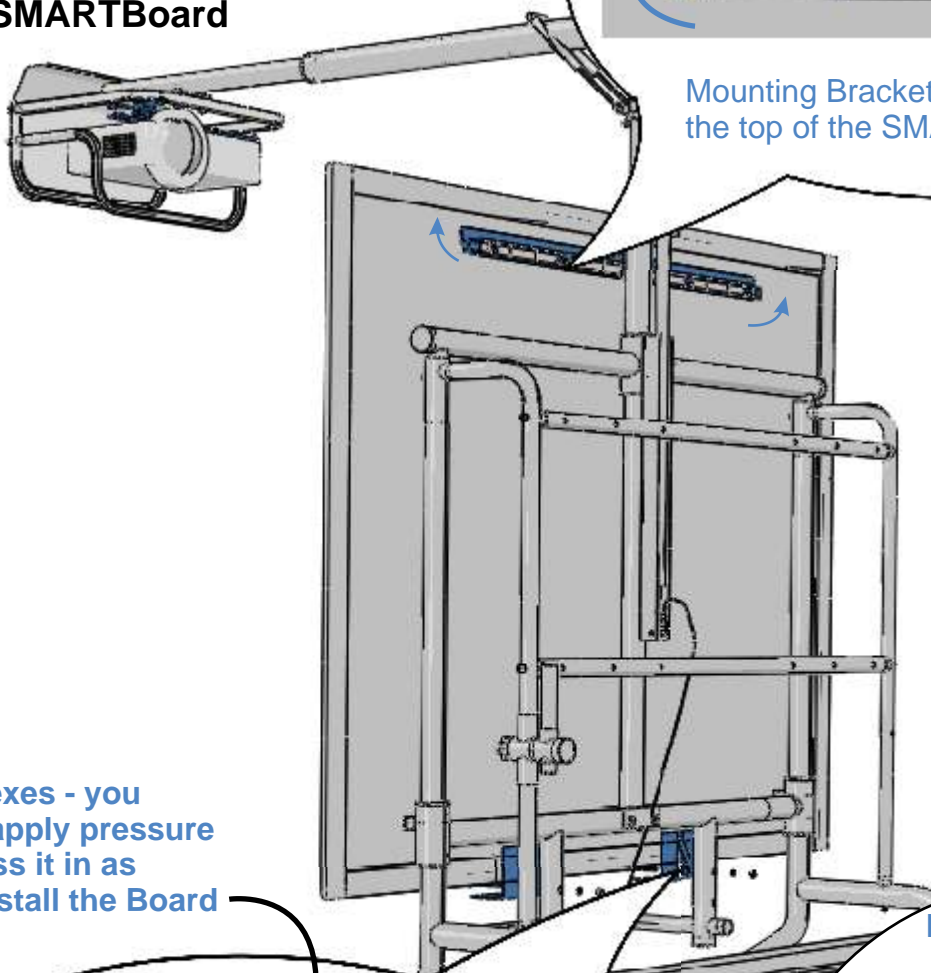
SMARTBoard 660/680 x 1

Install SMARTBoard

1

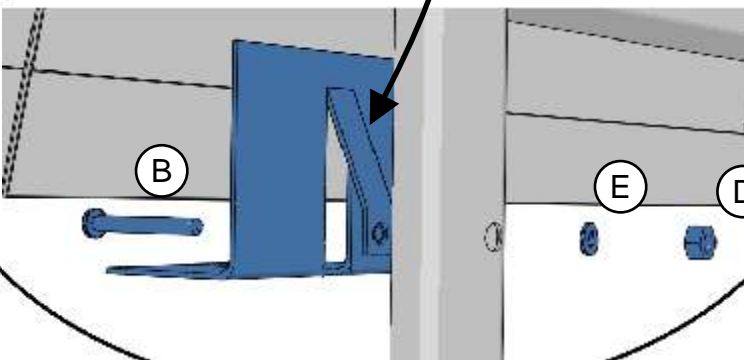


Mounting Bracket slips underneath the top of the SMARTBoard frame

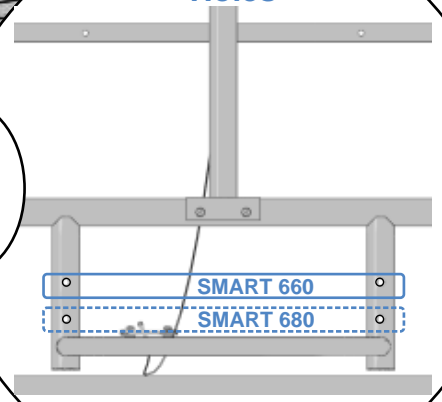


! Tab flexes - you must apply pressure to press it in as you install the Board

2



Lower Mounting Holes



!



14

Actual Size:



2 Person Task

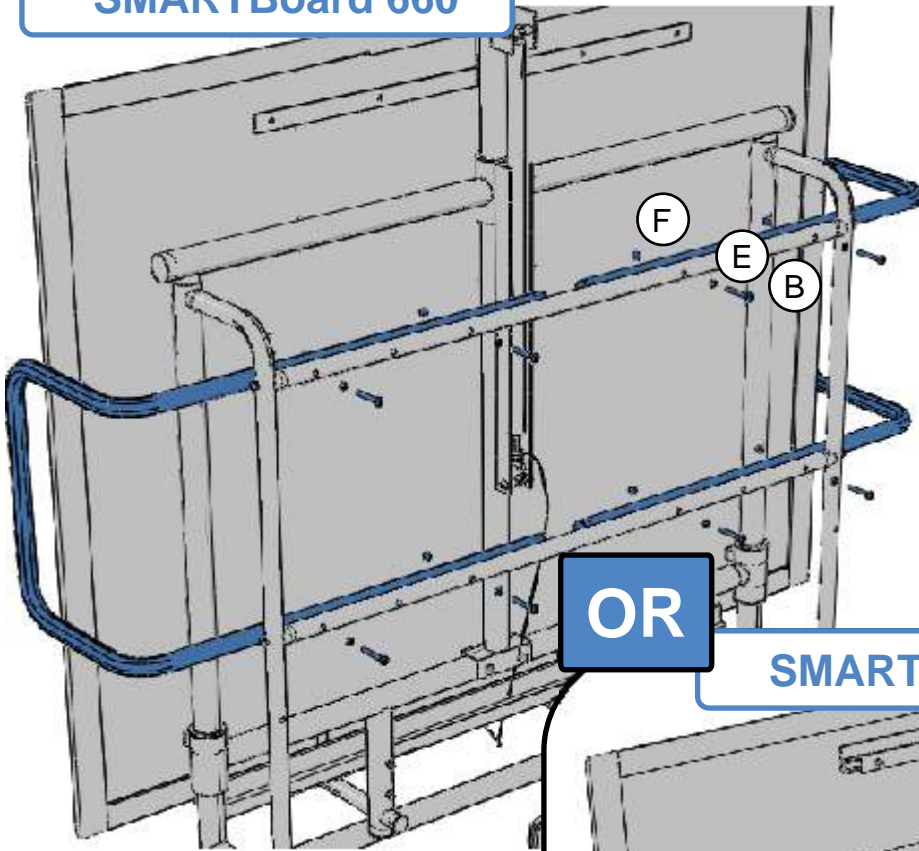
You will need: (Not to Scale)



Protective Handle x 2

Install Protective Handles

SMARTBoard 660



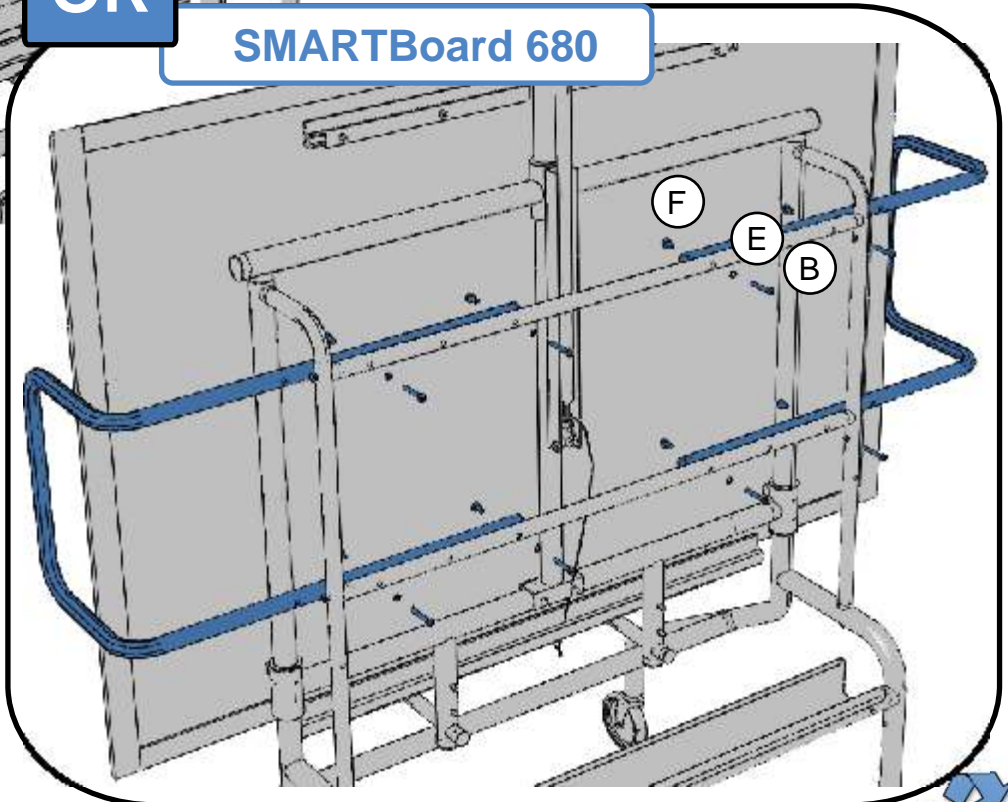
Handles adjust depending on the size of your board. If installing a larger board or one with side speakers, adjust the Handles outwards to fit comfortably around your Board



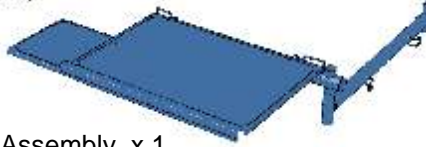
Note Handle positioning in comparison to the Stretchers depending on your Board size.

OR

SMARTBoard 680

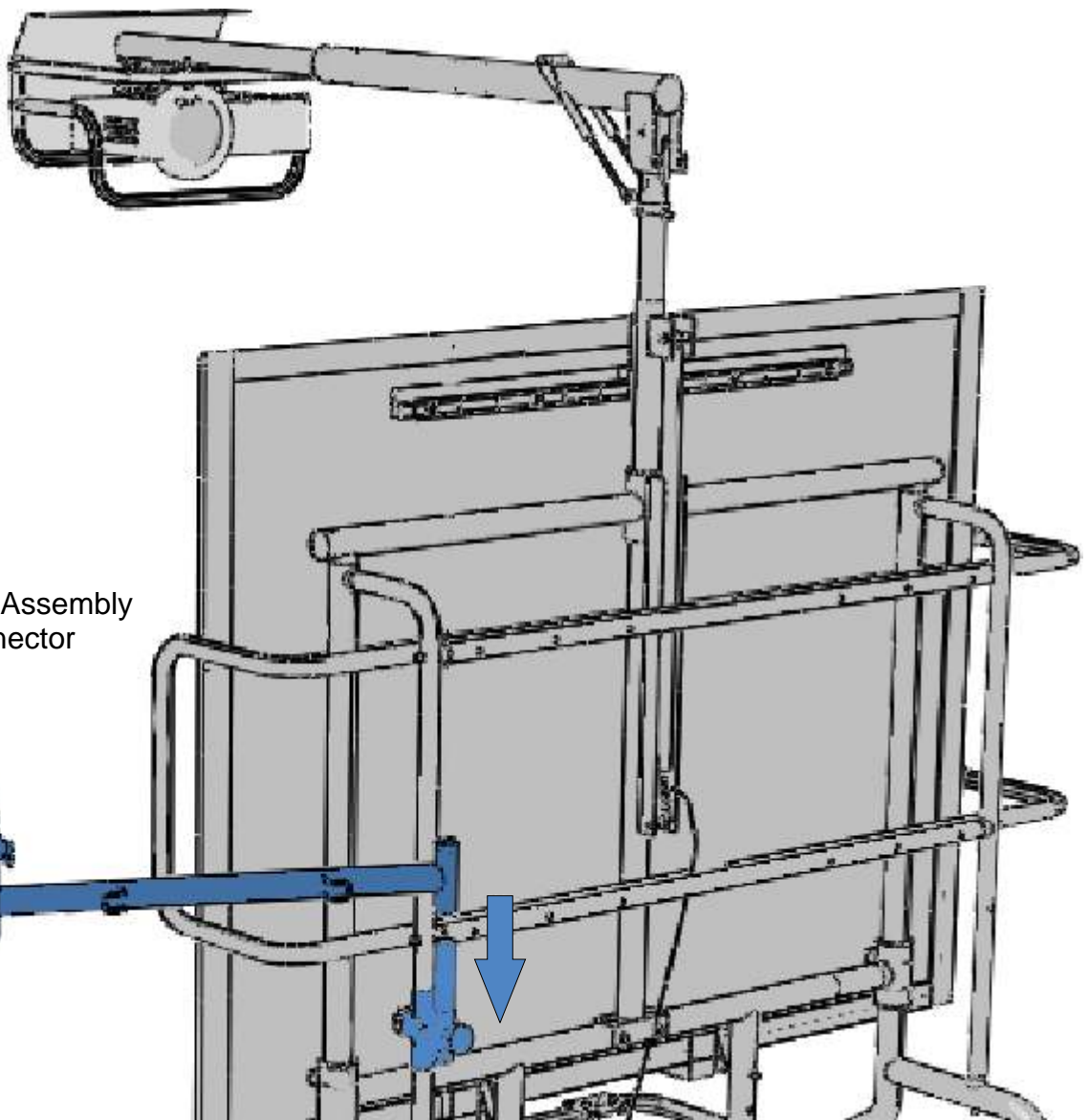


You will need: (Not to Scale)



Laptop Arm Pre-Assembly x 1

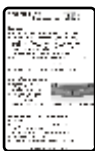
Install Laptop Arm Pre-Assembly onto Laptop Tray Connector



Slide Laptop Arm Pre-Assembly
onto Laptop Arm Connector



You will need: (Not to Scale)



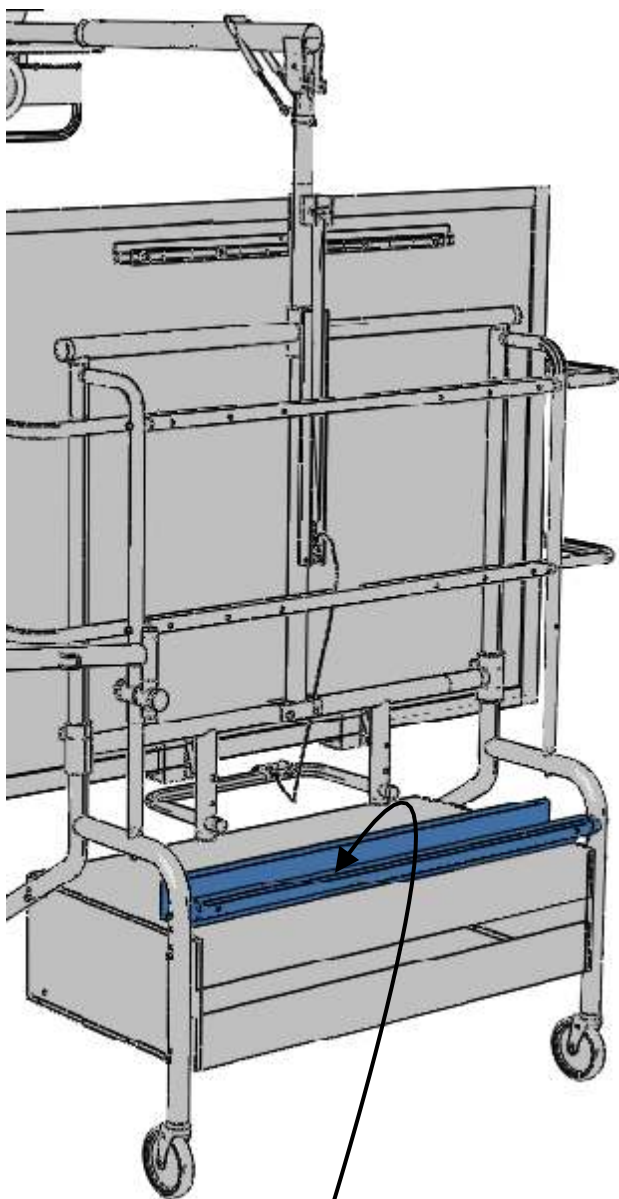
Quick Tips Label x 1



Power Bar x 1

Attach Power Bar & Adhere Quick Tips Label

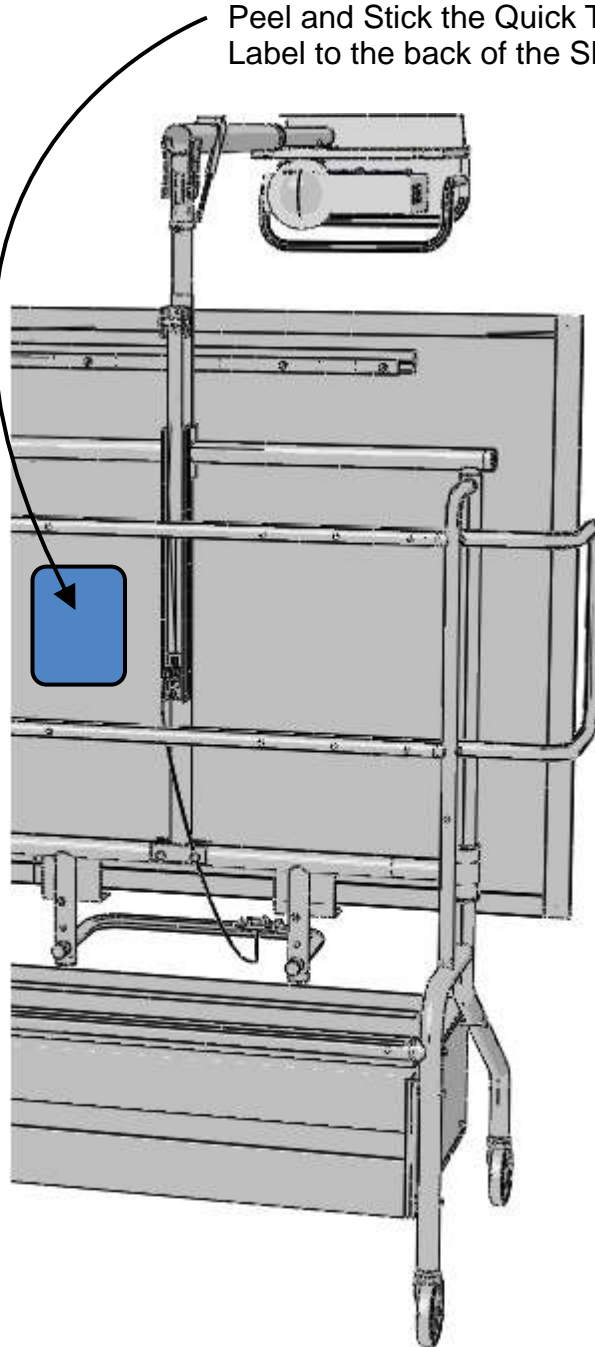
1



Stick Power Bar onto double sided tape in Wire Management Channel



2



Peel and Stick the Quick Tips Label to the back of the SMARTBoard





You will need: (Not to Scale)

Split Black Wire Loom
1x
25505



Black One-Wrap Velcro Strap
9x (Projector Arm)
3x (Laptop Arm)
43321
Not to Scale

VGA Cable
1x
25517

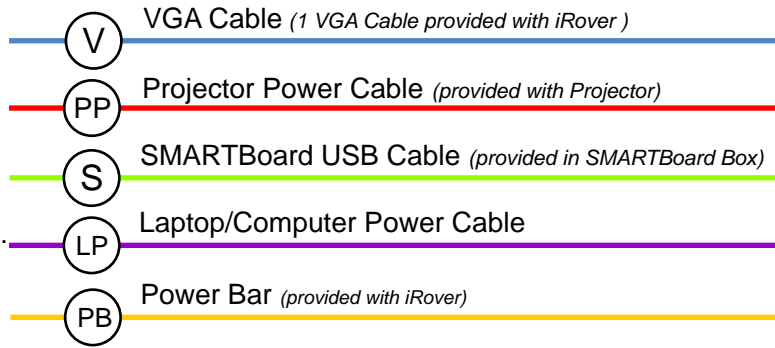


Routing Cables Through the iRover

VGA Cable & Power Projector Cord run through the Projector Arm. Plug both cords into the back of the Projector - VGA cord plugs into 'Computer One' source.

At the back of the Projector Arm, where the two cables come out, hold them together and wrap the Split Black Wire Loom around the cables, containing the length of them within the Loom.

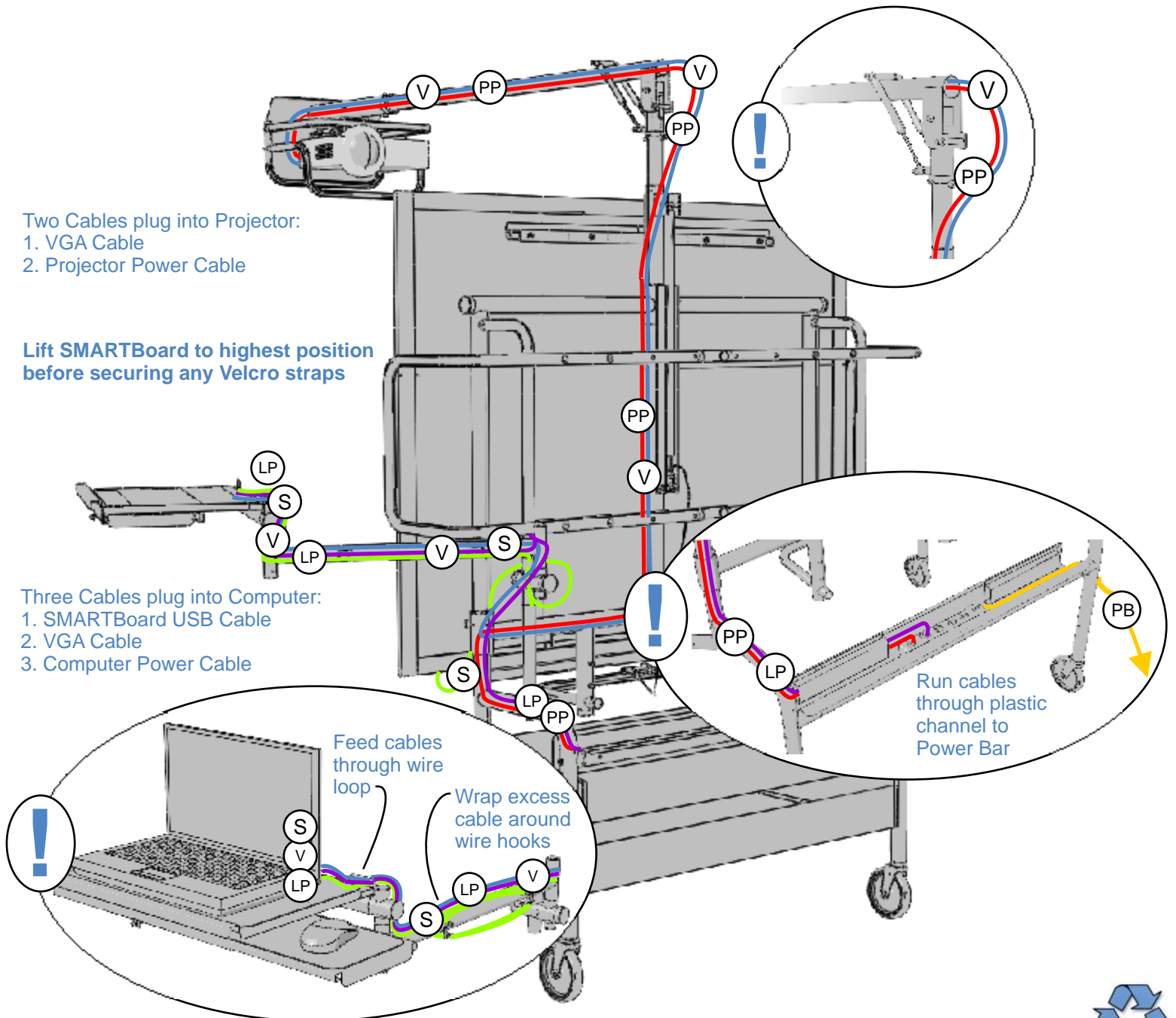
Following the diagram below, route the cables appropriately. Secure in multiple locations with Velcro Straps.



Two Cables plug into Projector:
1. VGA Cable
2. Projector Power Cable

Lift SMARTBoard to highest position before securing any Velcro straps

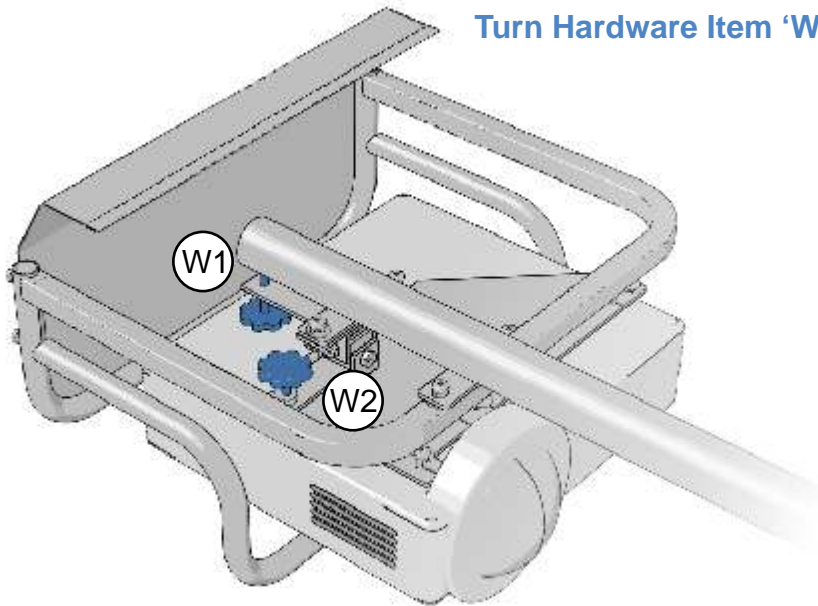
Three Cables plug into Computer:
1. SMARTBoard USB Cable
2. VGA Cable
3. Computer Power Cable



Adjusting Projector for Use/Correcting the Projected Image

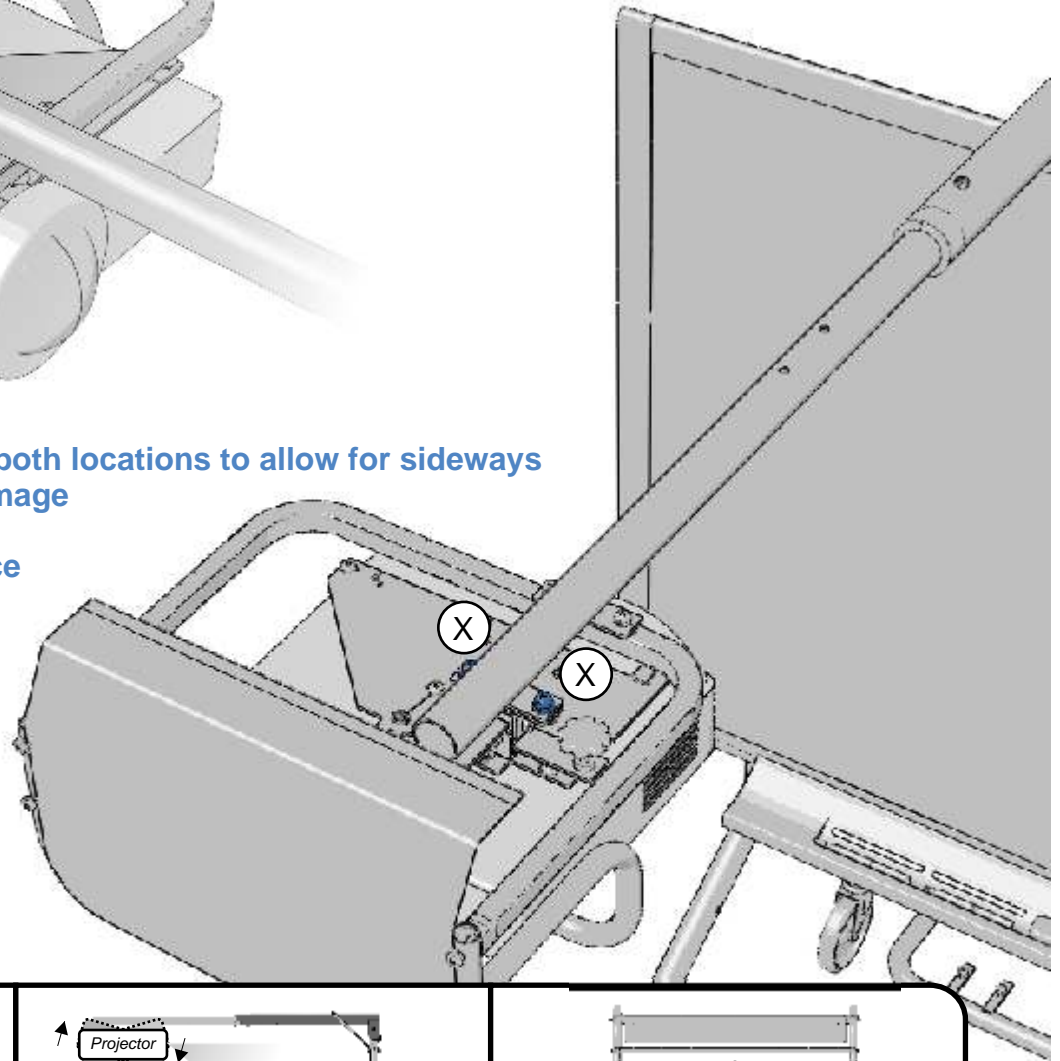
Turn Hardware Item 'W1' to tilt the projector upwards or downwards

Turn Hardware Item 'W2' to tilt the projector to either the left or right



Loosen Hardware Items 'X' in both locations to allow for sideways adjustment of the projected image

Re-tighten to lock in place once desired image is achieved

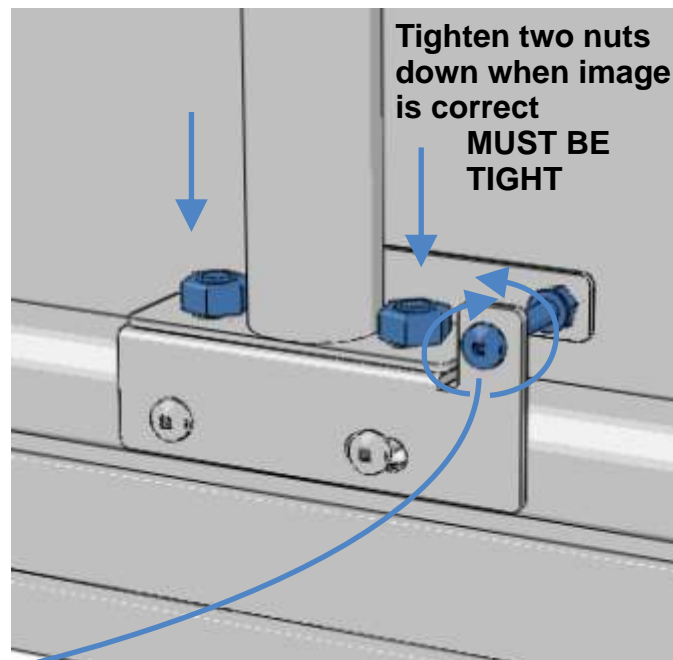
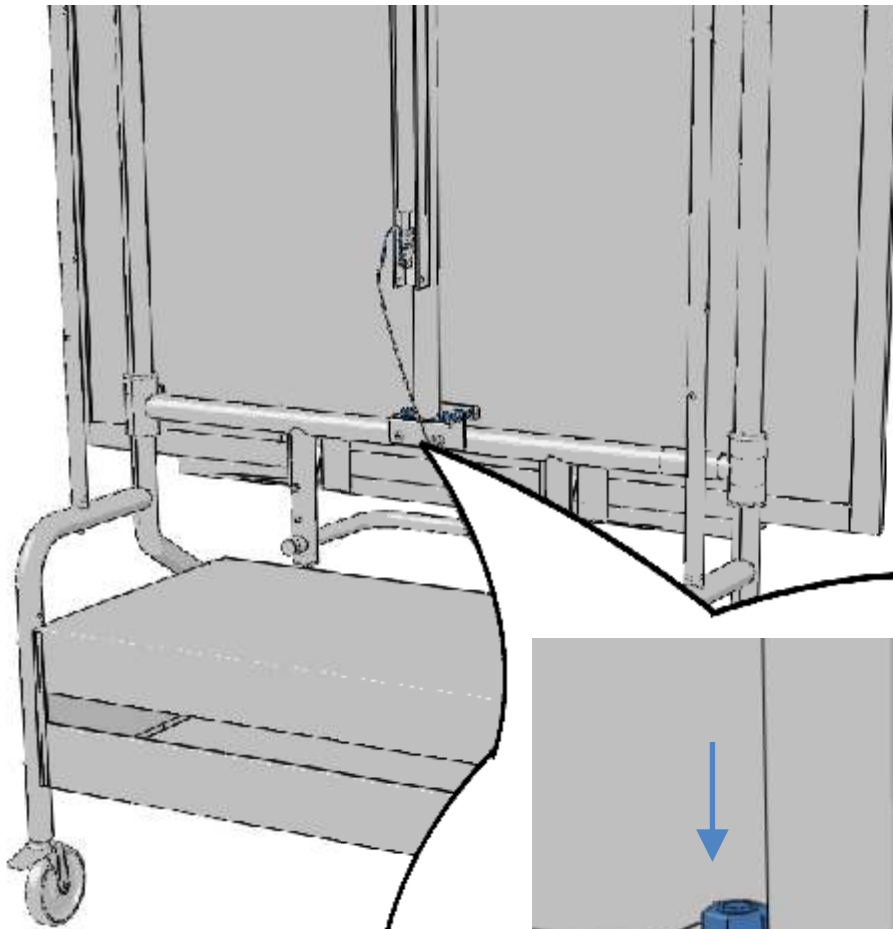


Adjust Keystone & Zoom settings on the Projector to make the image fill the screen.

<p>Front of Board</p> <p>W2 - Side Tilt Adjust</p>	<p>Looking from Side</p> <p>W1 - Vertical Tilt Adjust</p>	<p>Looking Down from Above</p> <p>X - Horizontal Shift</p>
-----------------------------------------------------------	------------------------------------------------------------------	-------------------------------------------------------------------



Adjusting Projector for Use/Correcting the Projected Image



1. To center the Projector Arm, rotate the Center Pole position by adjusting the bolt.
2. Turn bolt counter-clockwise or clockwise to center the arm.
3. Make fine tune adjustments at the front using Item X (previous page) until you find the right position for the projected image.
4. Tighten two nuts shown when image is correct. **MUST BE TIGHT!**



Fill Out a User Survey for a FREE Product!

After using your NEW iRover for a minimum of 1 month, please answer this brief survey. As our thanks for submitting a Survey, we will send you a **FREE GIFT of your choosing!** Please mail completed surveys to:

Copernicus Educational Products, Research & Development, RR3, 8194 County Rd. 109, Arthur, Ontario, NOG 1A0.

Surveys may also be faxed to: 519-848-6619 ATTN: Research & Development

Your Name:	_____					
School/Company Name:	_____					
School/Company Address:	_____					
School/Company Phone Number:	_____					
Email Address:	_____					
Please circle answer:						
Grade or Area of Intended Use:	K - Gr. 3	Gr. 4 -8	Gr. 9 - 12	Post Secondary	Corporate	Other
Which Version did you purchase?	Premium	Standard	Base	Build Your Own		
What was your main reason for choosing the iRover over similar models?	Price	Aesthetics	Ease of Use	Technology Supported	Warranty	
	Mobility	Safety	Height Adjustability	Other _____		
The Assembly of the unit was:	Too Difficult	Challenging	Acceptable	Easy	Too Easy	N/A
Following the Assembly Instructions was:	Unclear	Neutral	Clear	N/A		
Please circle YES or NO:						
Has the Projector Arm been pulled down?	YES	NO	N/A			
Does the iRover improve learning in your classroom?	YES	NO	N/A			
Does the integrated projector arm minimize shadowing on the Board adequately?	YES	NO	N/A			
Is the height of the Laptop Shelf appropriate?	YES	NO	N/A			
Is the Laptop Shelf easy to maneuver and useful?	YES	NO	N/A			
Does the projected image fill the Board?	YES	NO	N/A			
Is the unit easy enough to move with just one person?	YES	NO	N/A			
Would you recommend the iRover?	YES	NO	Why not? _____			
Can we contact you for Marketing Research?	YES	NO				

Please answer the following:

How long does it take you to set up the unit for a lesson? _____

How long at a time are you using the unit for? _____

How often is the unit being moved? _____

How many times per day is the height of the unit adjusted? _____

What is the most useful feature? _____

What is the least useful feature? _____

What would make this unit better for you? _____

As my **FREE GIFT** for participating, please send me: **(circle one)**

Pick A Pointer
AC402

Two Divided Tubs (Blue)
CC4069-Blue

Only completed surveys are eligible for the **FREE GIFT Offer**. Please note - the address provided above is where we will ship your **FREE gift**. Offer only valid until July 31, 2010. All surveys must be received prior to that date.

IR100 IR101 - Version A - 23 February 2010 - Copernicus Educational Products Inc.

