



Assembly Guide

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

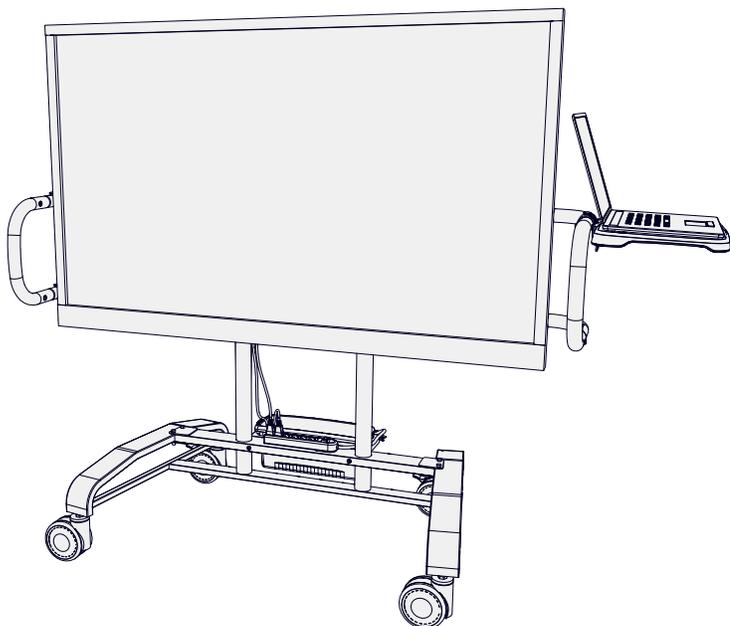
For assistance, please contact us by telephone at **1-800-267-8494** or email at info@copernicused.com.
Have your packing slip ready for reference.

WARNING

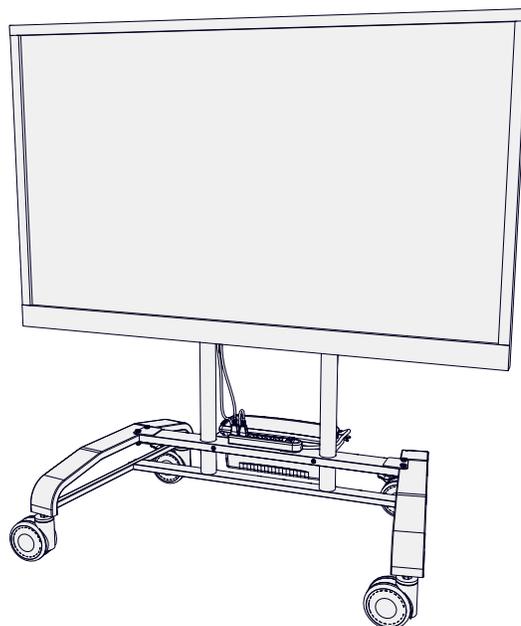


- This product is meant to be assembled by an adult.
- In its unassembled state, small parts present a hazard.
- To be used under direct supervision of an adult.
- This cart is intended for institutional use.

**iRover2™ for Interactive Flat Panels
(IFP500)**



**iRover2™ for Interactive Flat Panels
- Without Handles
(IFP501)**



*Shown with SMART MX265 Flat Panel (sold separately)

*Laptop not included



Warning – Supports a maximum screen size of 86".

Warning – For use with flat panel screens weighing 250 lbs (113.4 Kg) or less. Use with heavier flat panel screens may result in instability causing tip over resulting in death or serious injury.



Avertissement – Peut supporter une taille d'écran maximale de 86".

Avertissement – À utiliser seulement avec des écrans plats pesant jusqu'à 250 lb (113,4 kg) ou moins. L'utilisation avec des écrans plats plus lourds peut causer une instabilité provoquant un basculement qui risque la mort ou des blessures graves.

Customer Service & Warranty Information

Dear Educator,

Thank you for purchasing the iRover2™ for Interactive Flat Panels. We hope it meets your expectations and you and your students enjoy using it at your school.

Every day we see and hear stories of teachers going above and beyond to help students thrive. Thank you so much for all you do – you are awesome, and you make a difference.

Thank you for inspiring us.

If you have any questions, concerns or ideas on how we can improve please let us know by contacting our Customer Solutions Ninjas at 1-800-267-8494 or info@copernicused.com.

Happy teaching,

Kaylyn Belcourt, President
kaylyn@copernicused.com



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

- NATIVE 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

For missing parts and other issues regarding your product:

Please contact Customer Service, where we will be happy to help.
Telephone: 1-800-267-8494, Monday - Friday 8:00am - 4:30 pm EST
Email: info@copernicused.com

**Need Support?
Have a Question?**



[Email Customer Service](mailto:info@copernicused.com)

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



www.copernicused.com

My flat panel isn't working, who should I call?

Please contact the reseller that you bought the product from.
Reseller information can be found on your packing slip.

Lifetime
Frame Warranty

Register your Product

Registering your warranty ensures we have all the information we need to make any future warranty claims quick and easy. Please visit www.copernicused.com/warranty and complete the form within 10 business days from product assembly. By registering your product, you will be entered into a draw to win Copernicus product.

5 Year
Electric Lift
Warranty

Make a Warranty Claim

We offer a Lifetime Warranty on almost everything we make. Please call 1-800-267-8494 or email info@copernicused.com to start your warranty claim. Proof of purchase will be required upon warranty claim (i.e. copy of invoice).

Tips for Assembly

Before You Begin:

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

As You Assemble the Unit:

- Follow the steps in sequence.
- Before beginning each step, find the part(s) that you need for that step.
- The title of each step states what you will be doing. Review the text and the pictures as you build the unit.

Watch for These Helpful Symbols:



2-Person Task

For safety, please have someone help you when working on steps displaying this symbol.



The symbol denotes a step needing extra attention to ensure it is done correctly.



Important Information! Warning!

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.



Climb Hazard

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



Indoor Use Only

This product is intended for indoor commercial 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.



Power Strip Specifications

Read your power strip electrical specifications. Only plug in devices that are approved for use with this power strip. Connect the supplied power strip directly to a wall outlet.

Do not connect to another power strip or use an extension cord. Turn off power strip before unplugging. 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.

Parts (IFP500)

Before beginning, you should have:

Additional tools required:

Adjustable wrench (2x)



OR

7/16" Wrench (1x)
9/16" Wrench (2x)

+

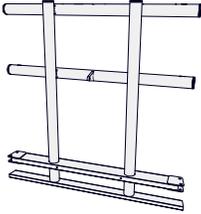
Screwdriver



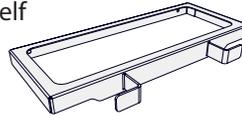
Phillips #2 or #3

Contents IFP500-0

Base Frame
(511011)
1x

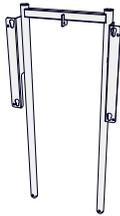


Bottom Shelf
(32340)
1x

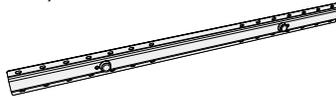


Contents IFP500-1

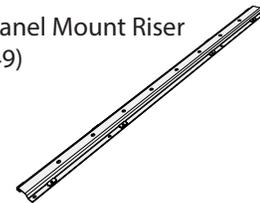
Simplified Moving
Frame
(33161)
1x



Flat Panel Mount Stretcher
(33148)
2x

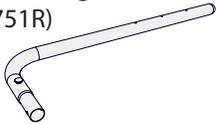


Flat Panel Mount Riser
(33149)
2x

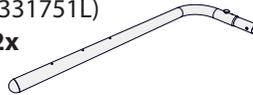


Contents IFP500-2

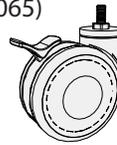
Protective Handle
Extension Right
(331751R)
2x



Protective Handle
Extension Left
(331751L)
2x



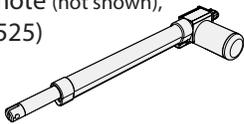
5" Locking Caster
(410065)
2x



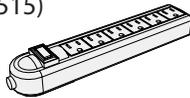
Base Foot Left
(33188L)
1x



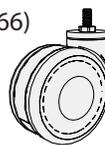
Electric Lift,
Adapter (not shown),
Remote (not shown),
(25525)
1x



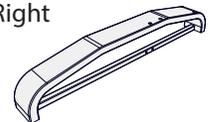
Power Strip
(25515)
1x



5" Caster
(410066)
2x



Base Foot Right
(33188R)
1x

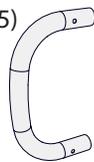


Laptop Tray, Bracket,
Hardware
(320832)
1x



20 lbs Weight Limit

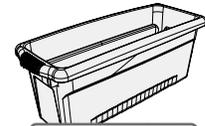
Protective Handle
Front
(33175)
2x



Laptop Tray Rear
Mount
(340861)
1x



Small Tub
(CC4070-B)
1x



5 lbs Weight Limit

Hardware inside this box

S M5 x 16mm Screw
3x



T M5 Square Nut
3x



*Laptop Tray and hardware packaged together

Parts (IFP501)

Before beginning, you should have:

Additional tools required:

Adjustable wrench (2x)



OR

7/16" Wrench (1x)
9/16" Wrench (2x)

+

Screwdriver



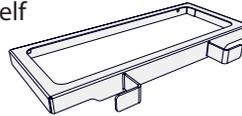
Phillips #2 or #3

Contents IFP500-0

Base Frame
(511011)
1x

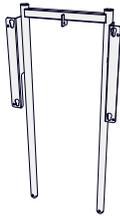


Bottom Shelf
(32340)
1x



Contents IFP500-1

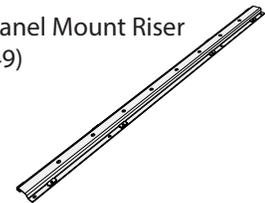
Simplified Moving
Frame
(33161)
1x



Flat Panel Mount Stretcher
(33148)
2x

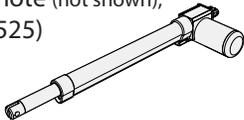


Flat Panel Mount Riser
(33149)
2x

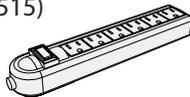


Contents IFP501-2

Electric Lift,
Adapter (not shown),
Remote (not shown),
(25525)
1x



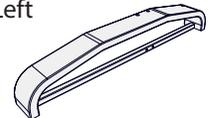
Power Strip
(25515)
1x



5" Locking Caster
(410065)
2x



Base Foot Left
(33188L)
1x

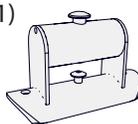


Laptop Tray, Bracket,
Hardware
(320832)
1x

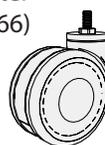


20 lbs Weight Limit

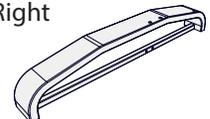
Laptop Tray Rear
Mount
(340861)
1x



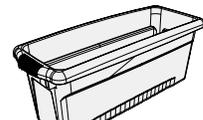
5" Caster
(410066)
2x



Base Foot Right
(33188R)
1x



Small Tub
(CC4070-B)
1x



5 lbs Weight Limit



M5 x 16mm Screw
3x



M5 Square Nut
3x



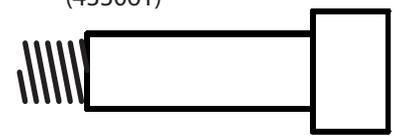
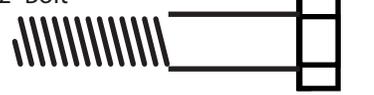
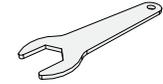
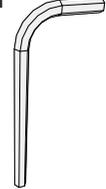
Hardware inside this box

*Laptop Tray and hardware packaged together

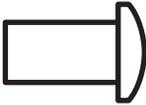
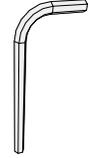
Hardware

Before beginning, you should have:

Hardware Actual Size

- | | | |
|--|--|---|
| <p>(A) 3/8" x 1-3/4" Bolt
2x
(430204)</p>  | <p>(G) #10-24" Lock Washer
8x
(4301002)</p>  | <p>(X) M8 Shoulder Bolt
4x
(433061)</p>  |
| <p>(T) 1/4" x 3-1/2" Screw
2x
(430091)</p>  | | |
| <p>(B) 1/4" x 1-1/2" Bolt
4x
(4302060)</p>  | <p>(H) 1/4" Lock Washer
14x
(43010)</p>  | <p>Hook & Loop Straps
(not to scale)
6x
(433211)</p>  |
| <p>(C) 1/4" x 3/4" Self Tapping Screw
6x
(4300510)</p>  | <p>(I) 5/16" Lock Washer
4x
(43025)</p>  | <p>Double Sided Foam Tape
(not to scale)
2x
(700012)</p>  |
| <p>(D) #10-24 x 1/2" Self Tapping Screw
8x
(4302012)</p>  | <p>(J) 1/2" Lock Washer
4x
(43010211)</p>  | <p>Caster Wrench (not to scale)
1x
(32095S)</p>  |
| <p>(E) 1/4" Keps Lock Nut
2x
(4301621)</p>  | <p>(U) 1/4" Flat Washer
4x
(430192)</p>  | <p>Allen Key 5mm
(432811)
1x</p>  |
| <p>(F) 3/8" Lock Nut
2x
(430122)</p>  | <p>(W) 5/16" Flat Washer
4x
(4301943)</p>  | <p>... more hardware on following page</p>  |
| <p>(V) M8" Lock Nut
4x
(43218)</p>  | | |

Metric Hardware for Protective Handles (not included with IFP501)

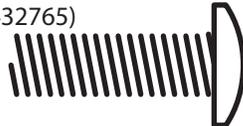
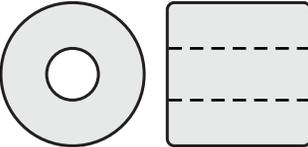
- | | | | |
|--|--|---|---|
| <p>(K) M6 x 15mm Screw
4x
(43215)</p>  | <p>(L) M6 Lock Washer
4x
(43273)</p>  | <p>(M) M6 Barrel Nut
4x
(43272)</p>  | <p>Allen Key 4mm
(not to scale)
2x
(43281)</p>  |
| <p>(R) M6 x 30mm Screw (with thread lock)
4x
(43231)</p>  | | | |

Hardware

Before beginning, you should have:

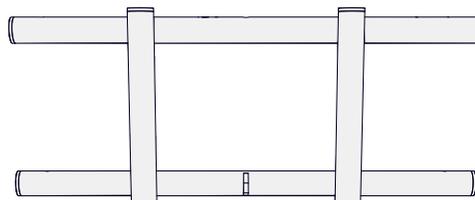
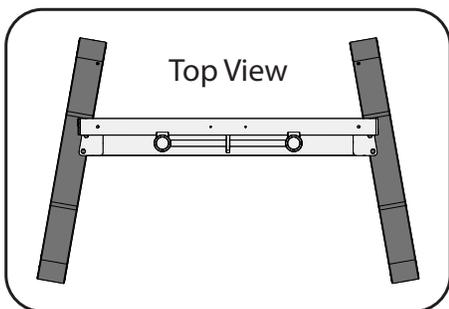
Hardware
Actual Size

Metric Hardware for VESA Mounting

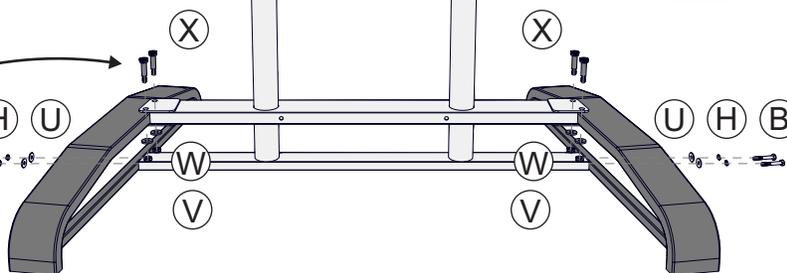
<p>N M6 x 15mm VESA Screw 4x (432151)</p> 	<p>O M6 x 20mm VESA Screw 4x (43222)</p> 	<p>P M8 x 15mm VESA Screw 4x (432764)</p> 	<p>Q M8 x 25mm VESA Screw 4x (432765)</p> 
<p>S M8 x 40mm 4x (432762)</p> 	<p>T 3/4" Spacer 4x (4303141)</p> 		

1	Actual Size:
 2-Person Task	You will need: (Not to Scale) Base Foot Left 1x Base Foot Right 1x Base Frame 1x Adjustable wrench (2x) OR 7/16" Wrench (1x) 9/16" Wrench (2x) H 4x U 4x W 4x V 4x B 4x X 4x U 4x W 4x V 4x H 4x Allen Key 5mm (not to scale) 1x

Assemble Base Frame

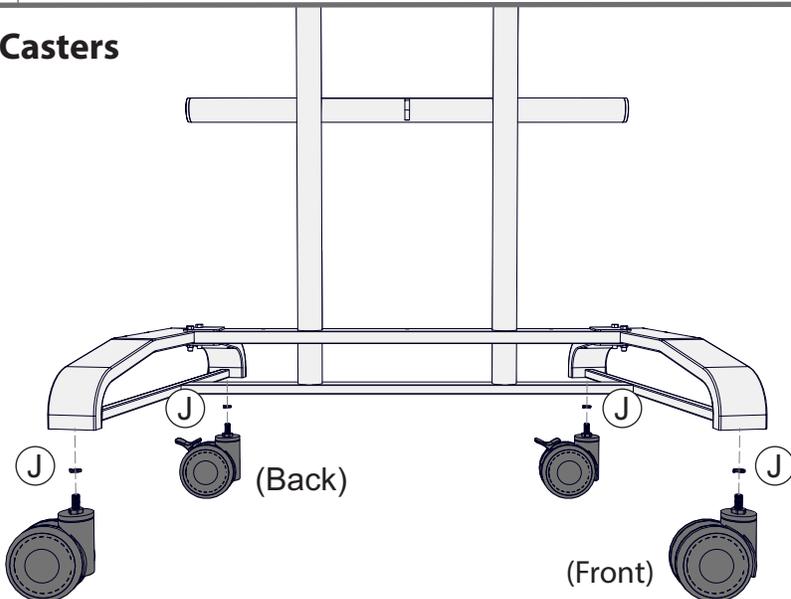


- ★ 1) Install top hardware
- 2) Install side hardware
- 3) Tighten top hardware
- 4) Tighten side hardware



2	Actual Size:
 2-Person Task	You will need: (Not to Scale) 5" Caster 2x 5" Locking Caster 2x Caster Wrench 1x J 4x

Install Casters



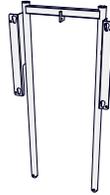
★ Tip: tilt your unit on its back for easier caster installation

! Install locking casters on back of unit and tighten using supplied Caster Wrench.

3

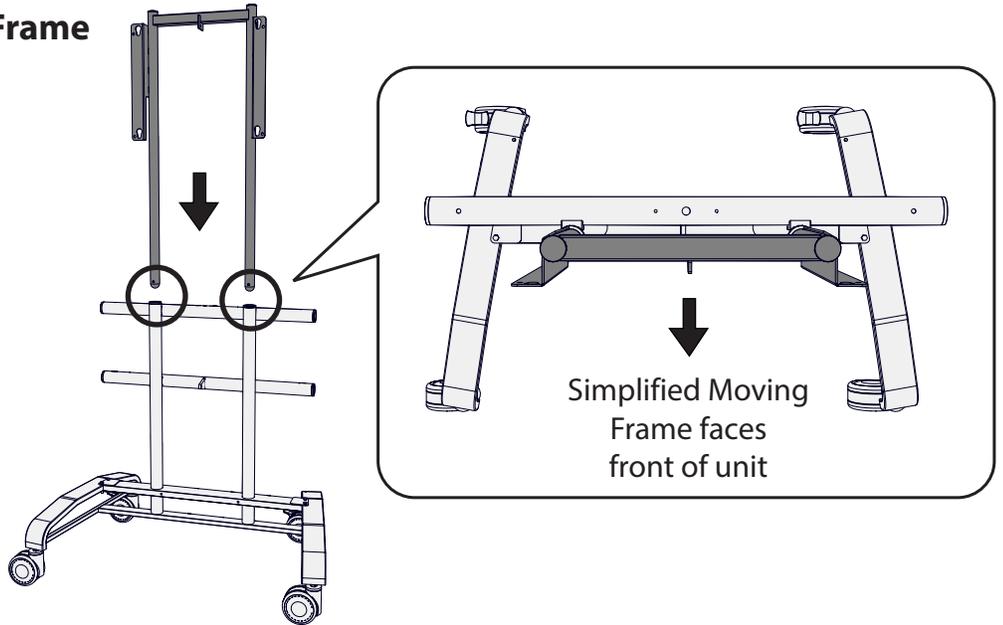
Actual Size:

You will need: (Not to Scale)



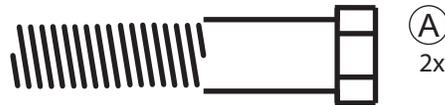
Simplified Moving Frame
1x

Install Simplified Moving Frame



4

Actual Size:

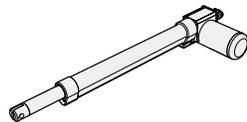


(A)
2x



(F)
2x

You will need: (Not to Scale)



Electric Lift
1x

Adjustable wrench (2x)

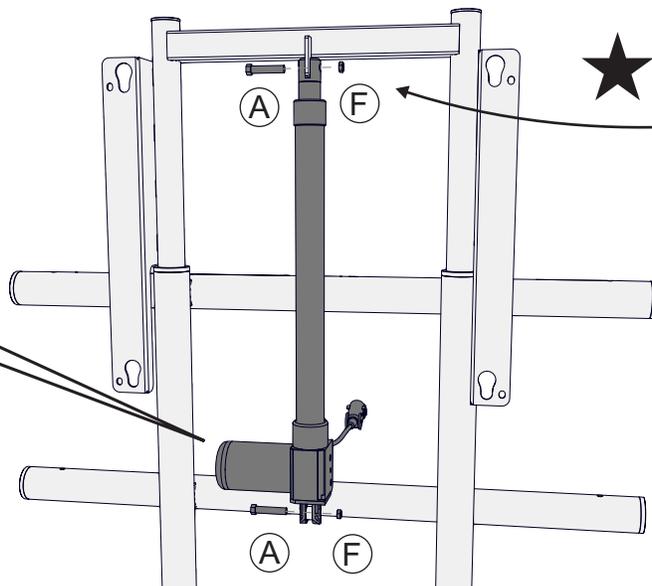


OR

9/16" Wrench (2x)

Install Electric Lift

! Note orientation of the Electric Lift
Tighten bolts



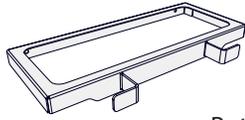
★ Tip: Install top bolt first

5

Actual Size:



You will need: (Not to Scale)



Bottom Shelf
1x

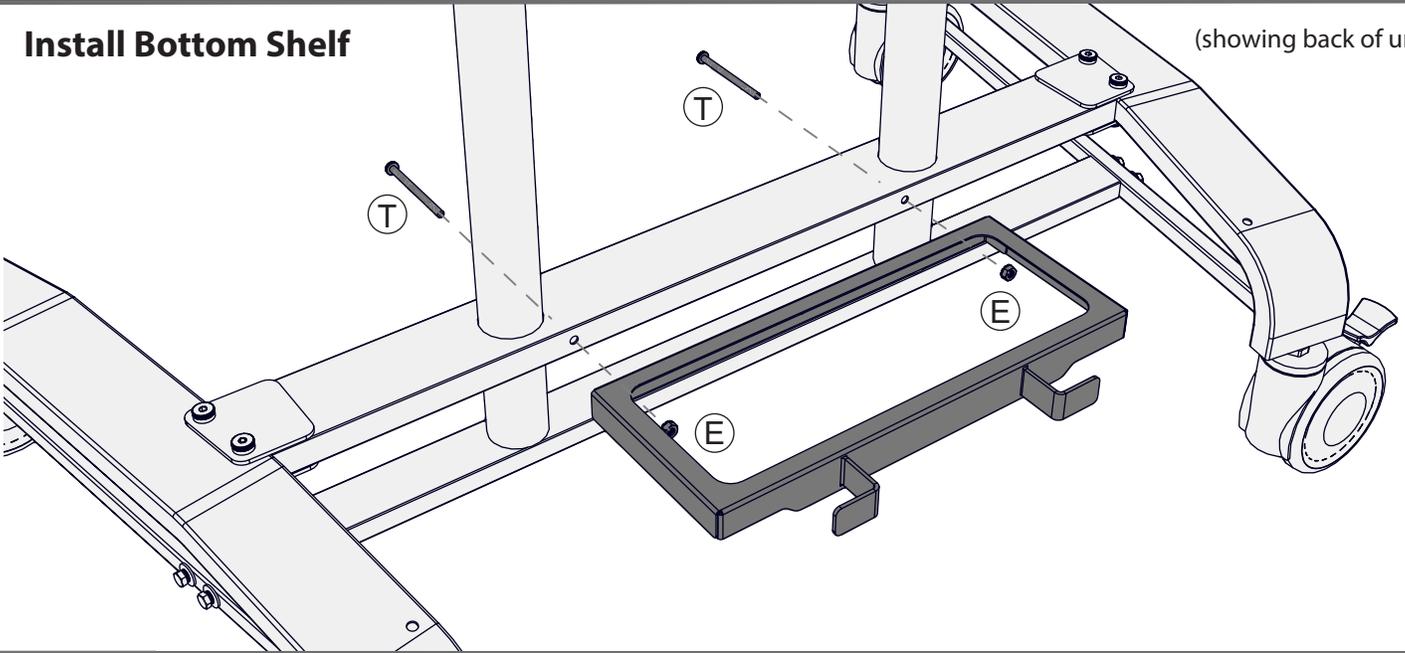
Screwdriver
⊕ Phillips #2 or #3

Adjustable wrench (1x)

OR
7/16" Wrench (1x)

Install Bottom Shelf

(showing back of unit)

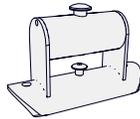


6

Actual Size:



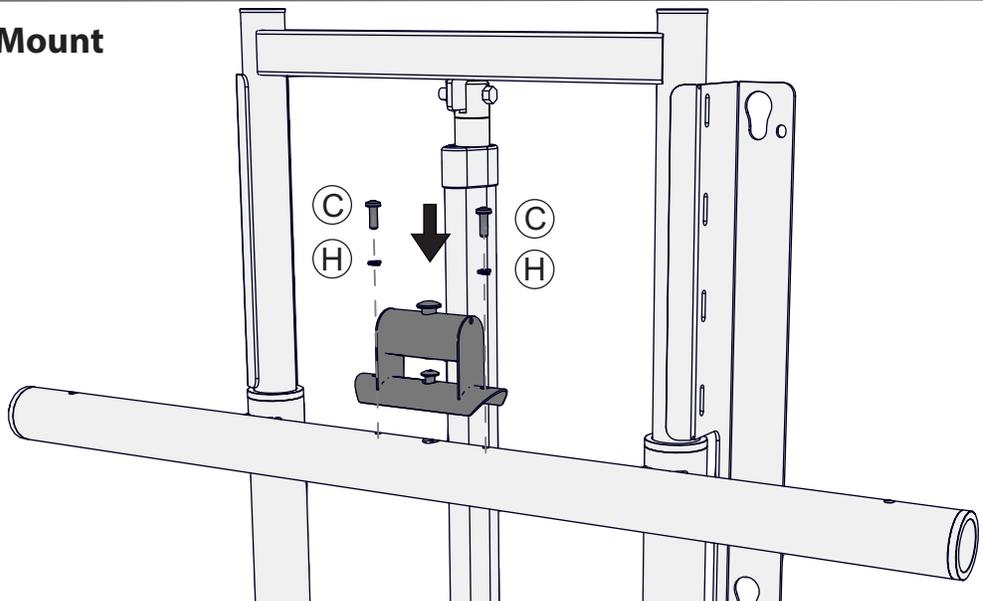
You will need: (Not to Scale)



Laptop Tray Rear Mount
1x

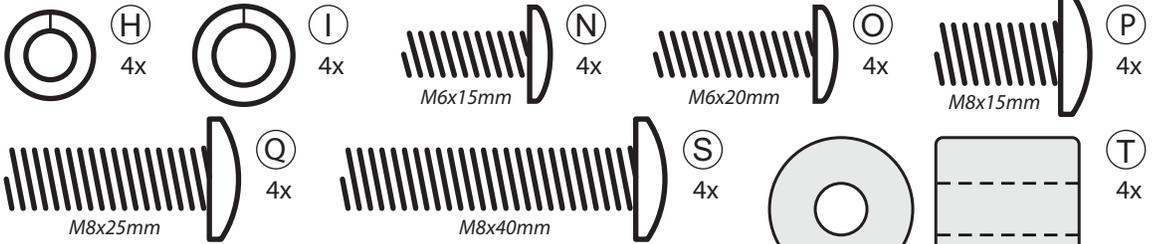
Screwdriver
⊕ Phillips #2 or #3

Install Rear Laptop Mount

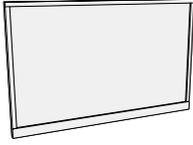


7

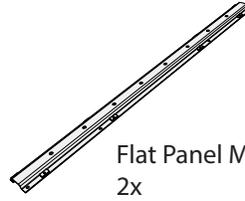
Actual Size:



You will need: (Not to Scale)



Compatible flat panel
(sold separately)
1x



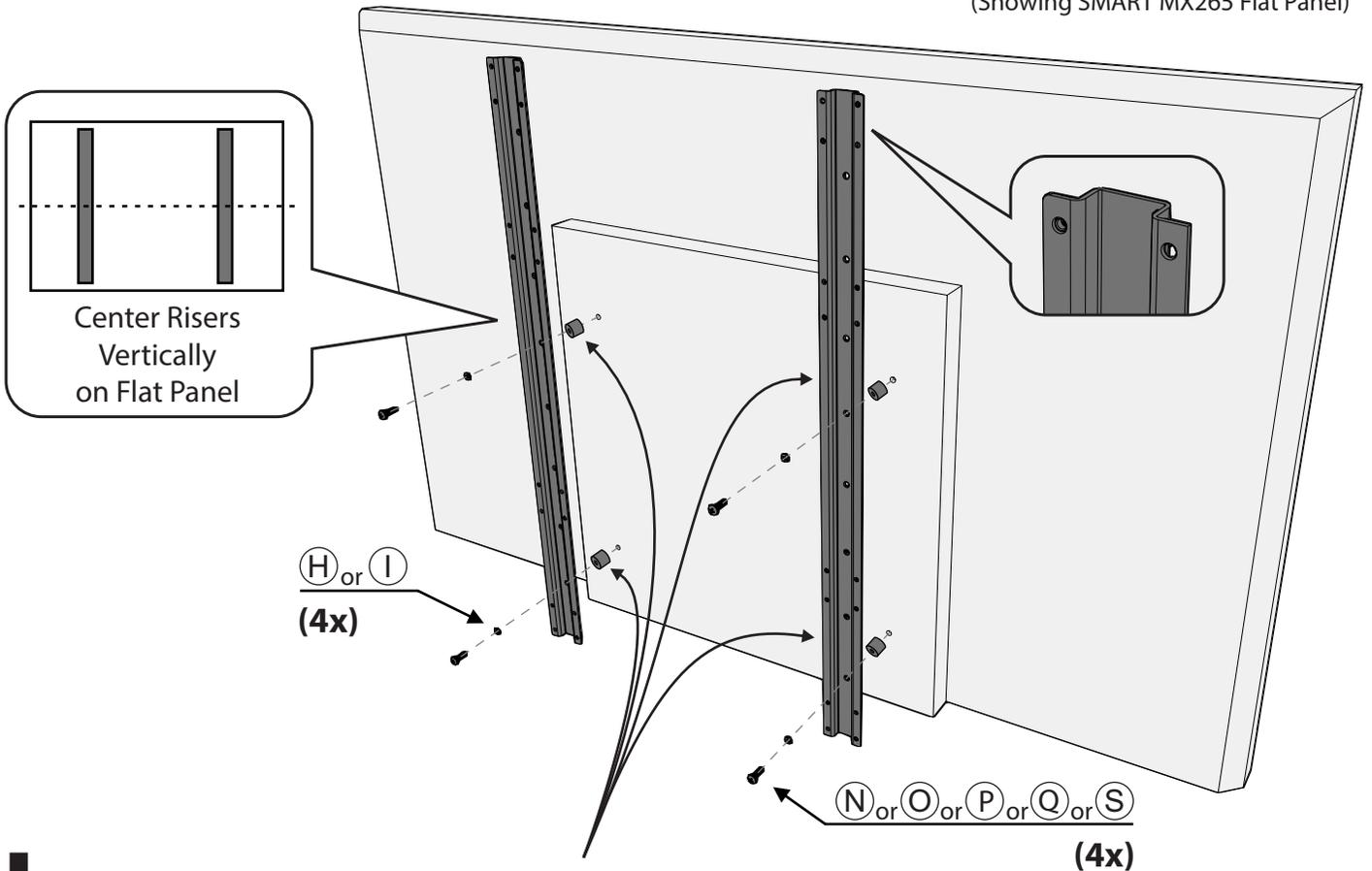
Flat Panel Mount Riser
2x

Screwdriver
⊕ Phillips #2 or #3

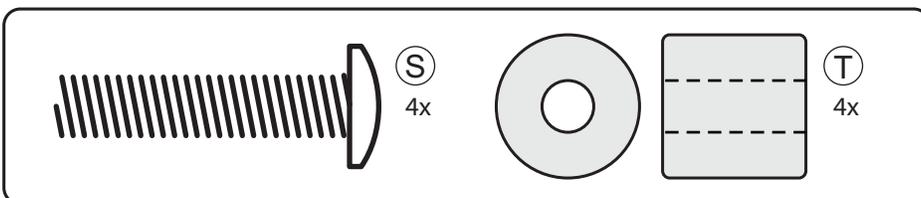
Attaching Your Flat Panel Mount Risers

- Check your flat panel owners manual to determine correct VESA screw size and torque specifications to avoid causing damage to your flat panel.

(Showing SMART MX265 Flat Panel)



- For TVs without a flat back (Ex. Prometheus) use the provided 3/4" spacers and longer screws. Install spacers between mount and TV.



8

Actual Size:



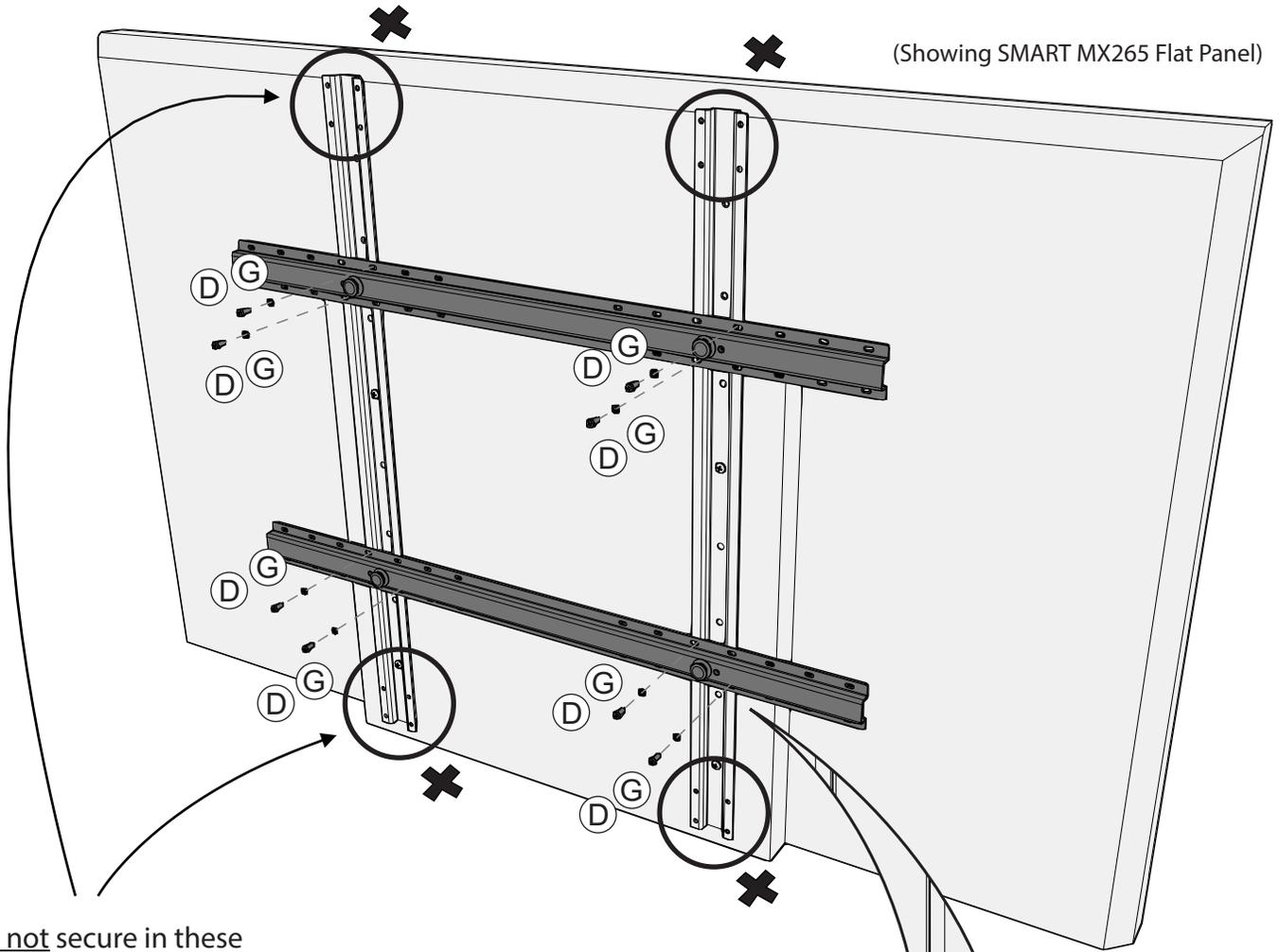
You will need: (Not to Scale)

Screwdriver
+ Phillips #2 or #3



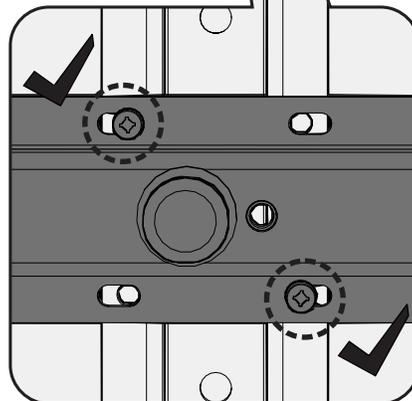
Flat Panel Mount Stretcher
2x

Install Flat Panel Mount Stretchers



! Do not secure in these holes, they are used for attaching an optional soundbar mount

! Install screws in holes with threads, only 2 of 4 holes will have threads



9

Actual Size:



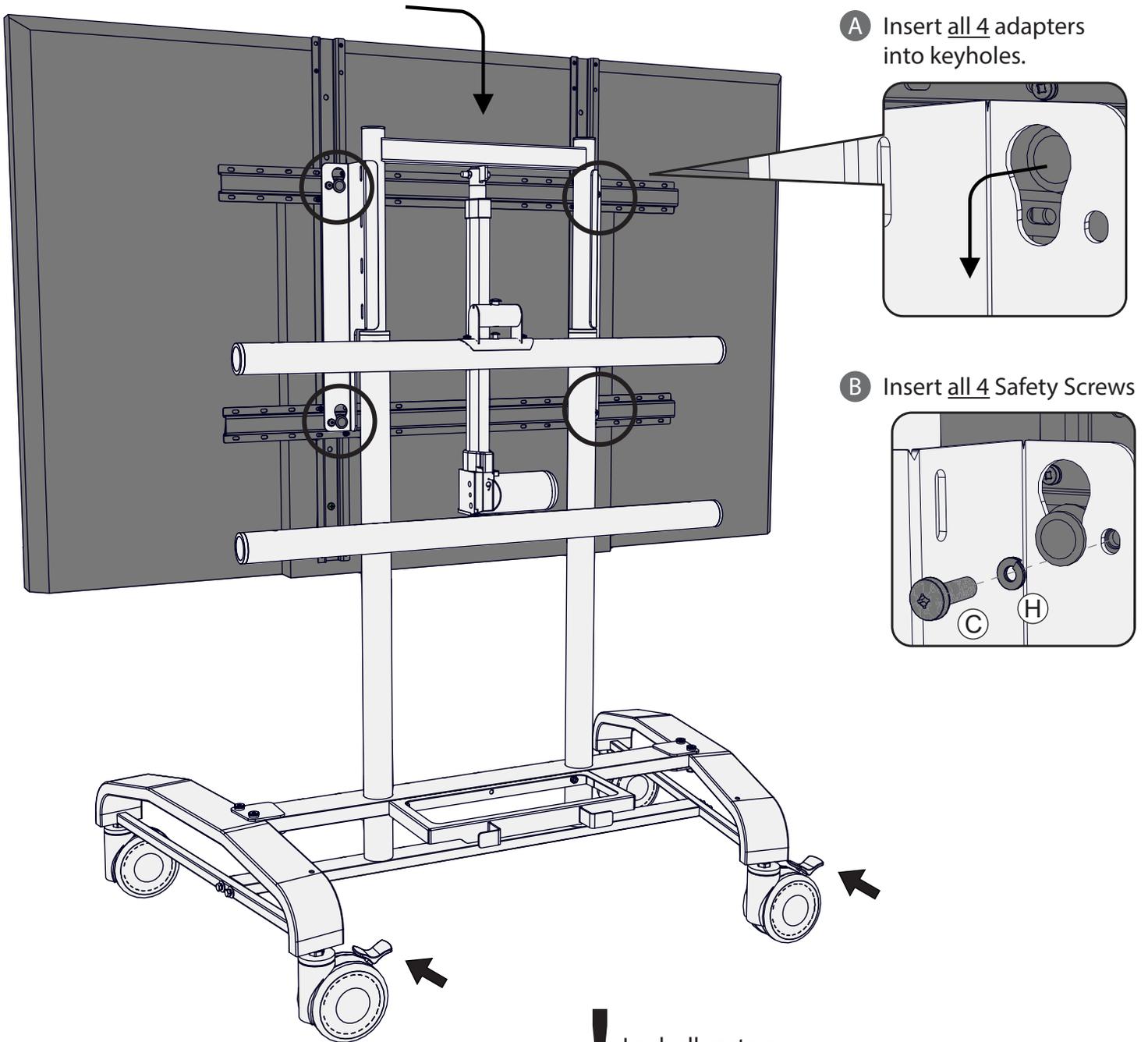
2-Person Task

You will need: (Not to Scale)

Screwdriver



Secure Flat Panel To Cart



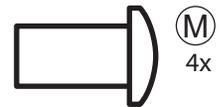
A Insert all 4 adapters into keyholes.

B Insert all 4 Safety Screws

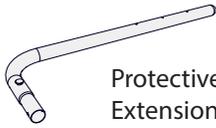
! Lock all casters before attaching flat panel to cart

10

Actual Size:



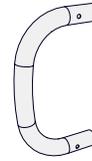
You will need: (Not to Scale)



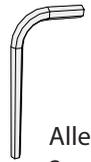
Protective Handle Extension Right
2x



Protective Handle Extension Left
2x



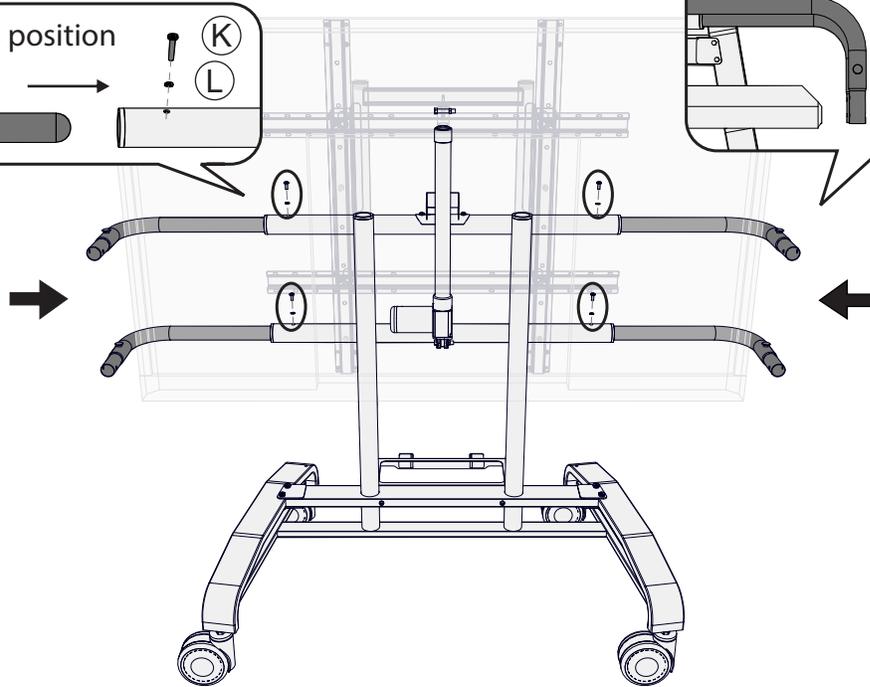
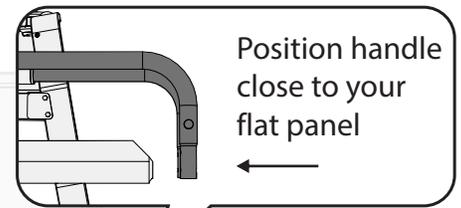
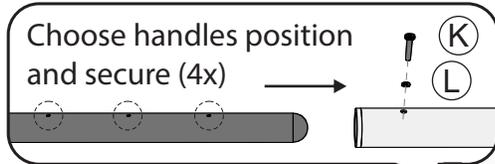
Protective Handle Front
2x



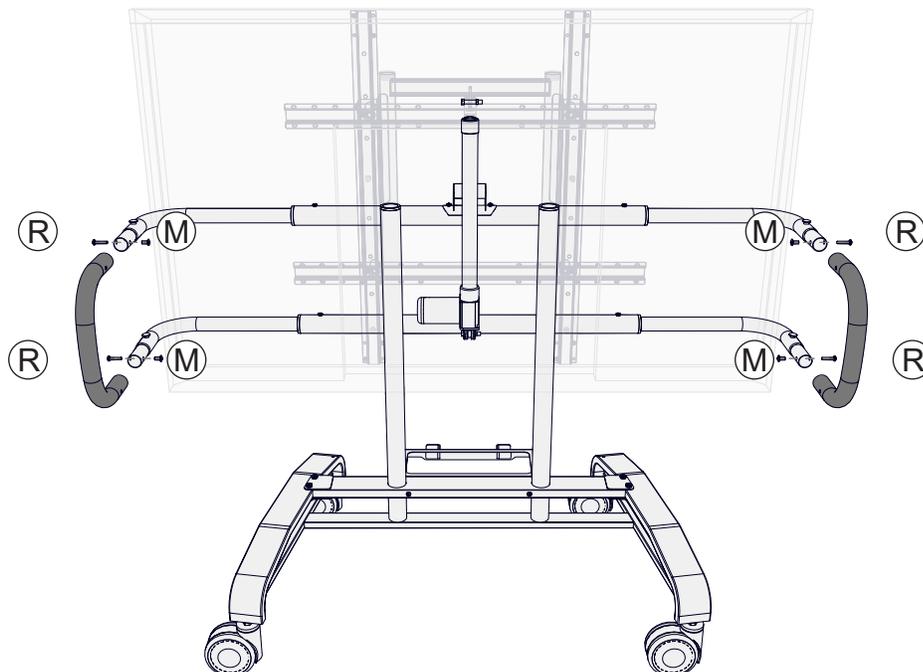
Allen Key
2x

Install Protective Handles (SKIP THIS STEP IF BUILDING IFP501)

A Position & Secure Handles Extensions



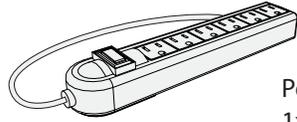
B Install Protective Handles Fronts



11

Actual Size:

You will need: (Not to Scale)



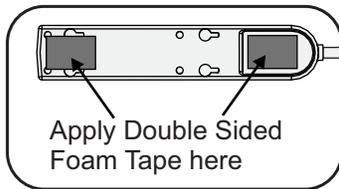
Power Strip
1x



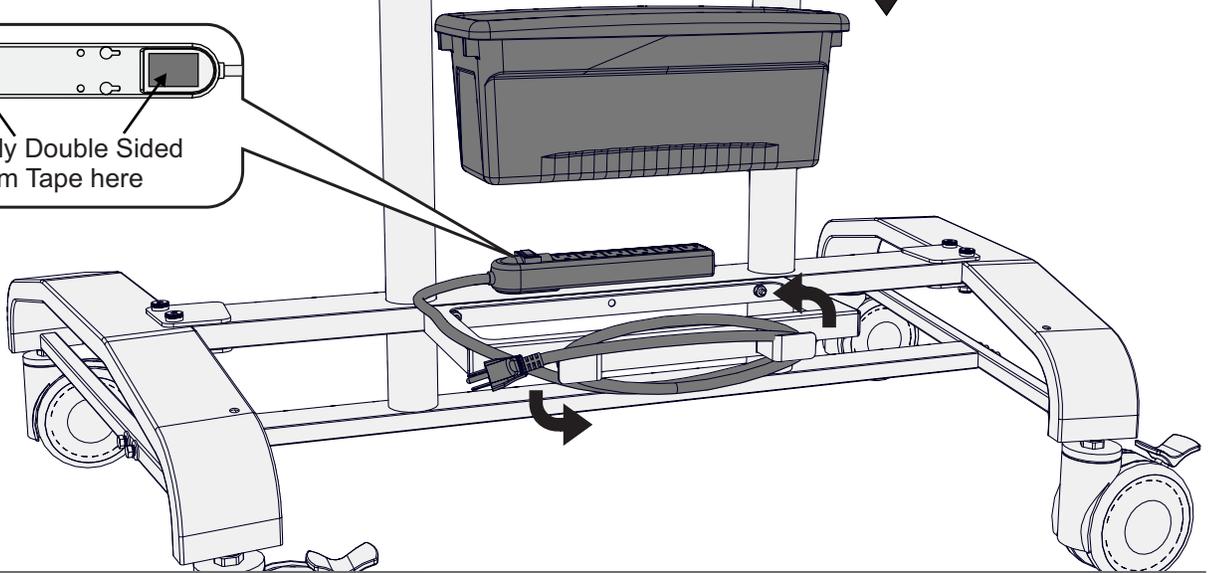
5 lbs Weight Limit

Small Tub
1x

Attach Power Strip and Install Tub



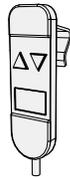
Apply Double Sided
Foam Tape here



12

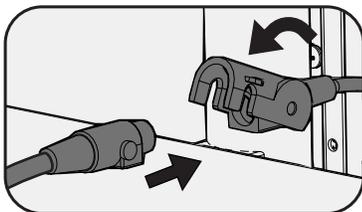
Actual Size:

You will need: (Not to Scale)

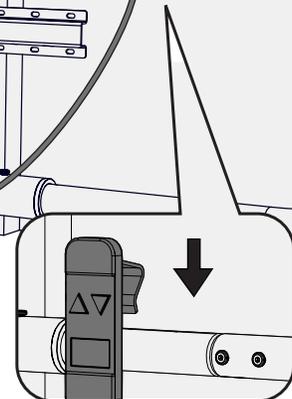


Electric Lift Power Adapter & Remote
1x

Connect Electric Lift Power Cable & Remote

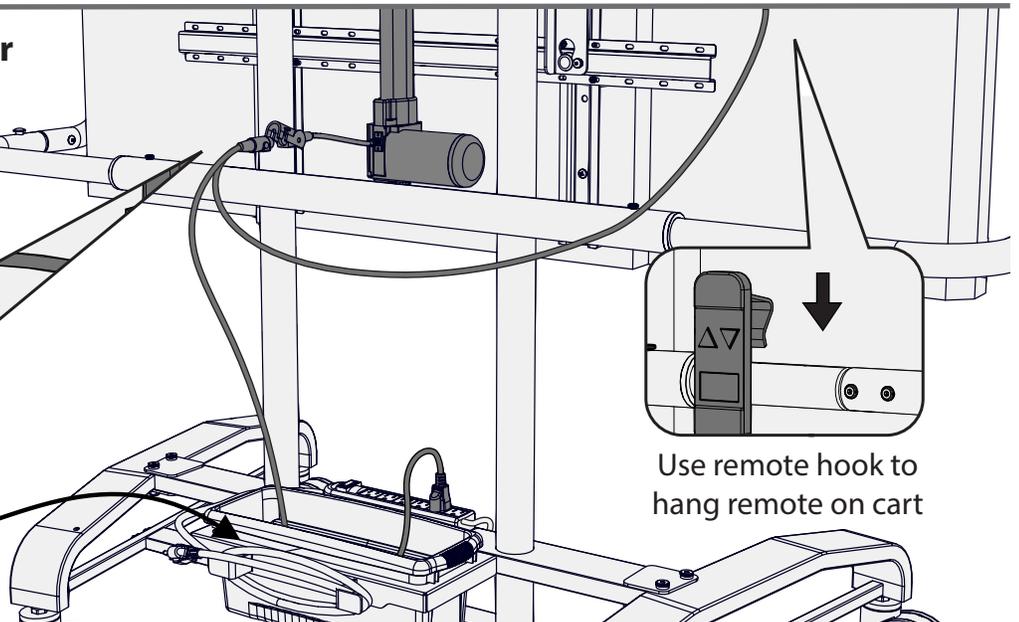


Connect and secure your
electric lift cable



Use remote hook to
hang remote on cart

★ Place power adapter
in tub for storage

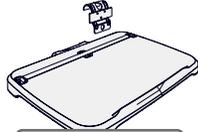


13

Actual Size:



You will need: (Not to Scale)



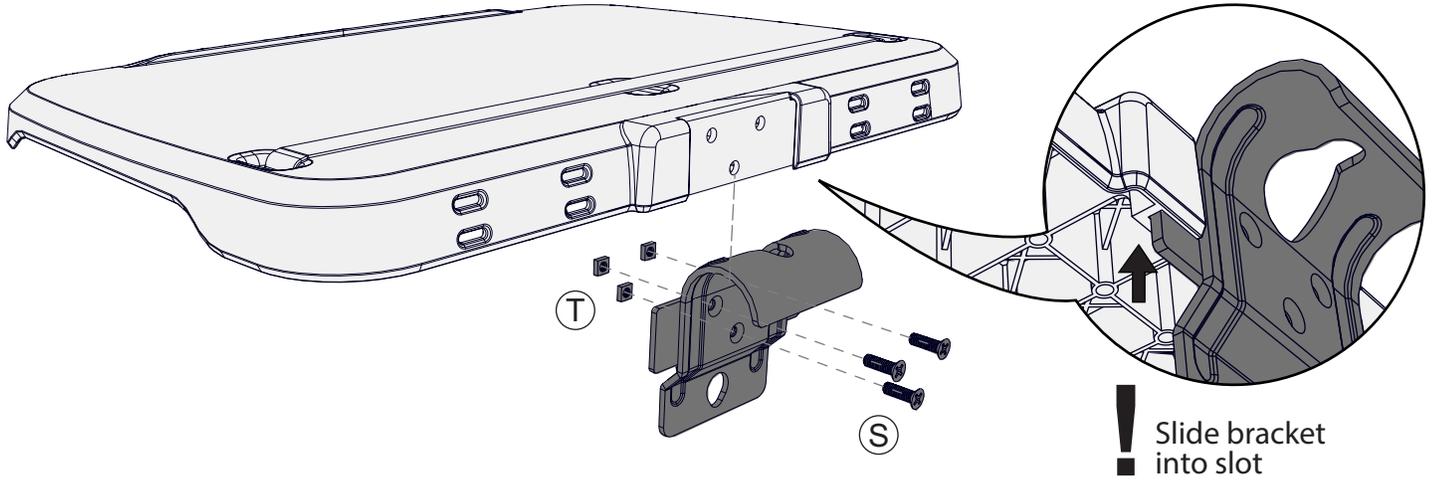
20 lbs Weight Limit

Laptop Tray, Bracket, Hardware
1x

Screwdriver



Assemble Laptop Tray



14

Actual Size:

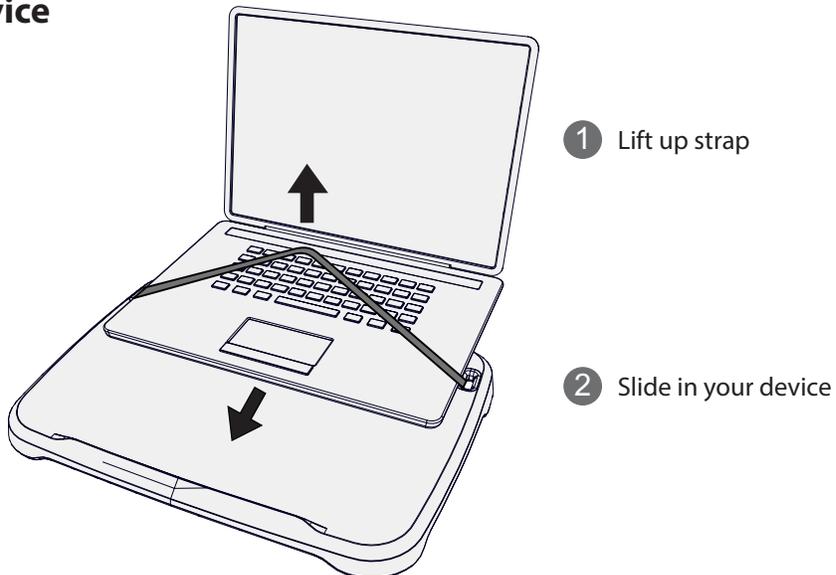
You will need: (Not to Scale)



20 lbs Weight Limit

Laptop Tray
1x

Securing Your Device



Actual Size:

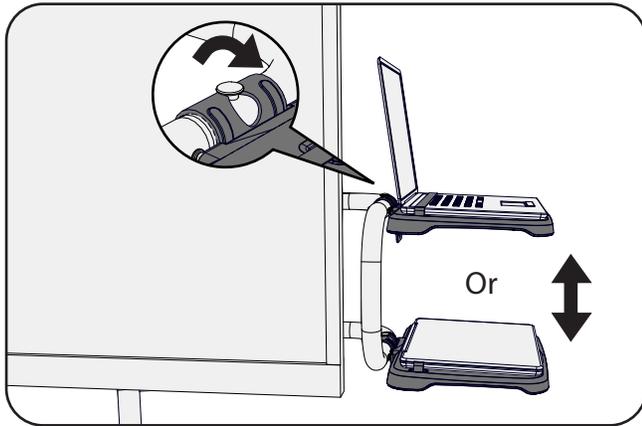
You will need: (Not to Scale)



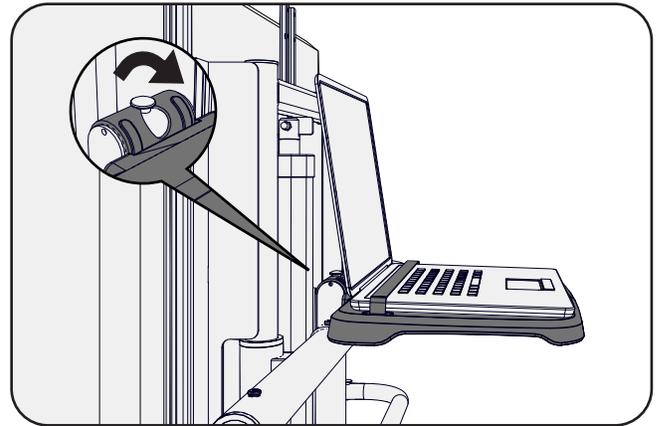
Laptop Tray
1x

Attaching Laptop Tray To Cart

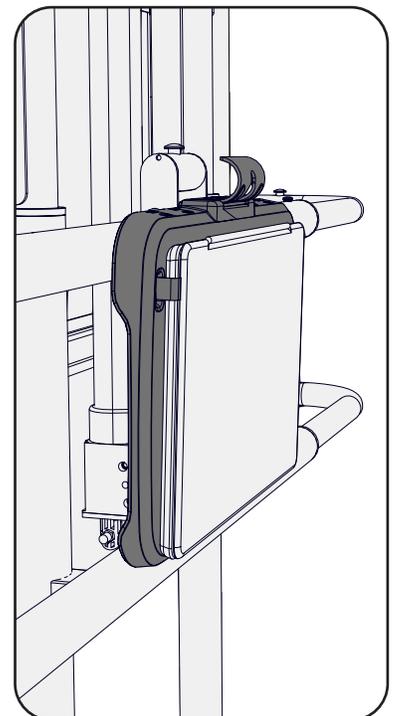
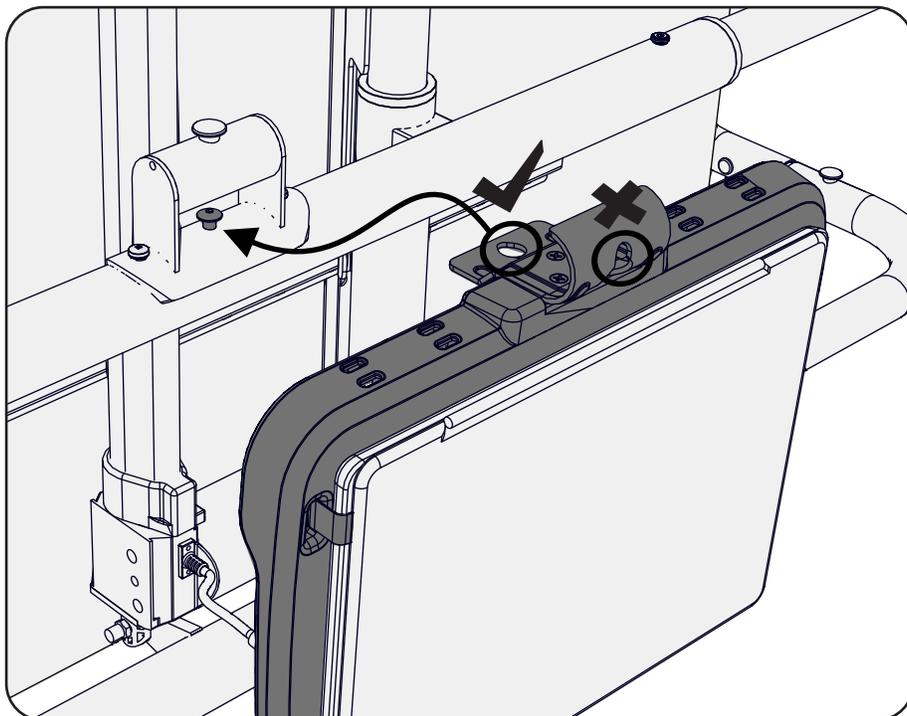
In-use Position On Left or Right Handles
On Top or Bottom



In-use Position On
Back of Cart



Storage Position On
Back of Cart



Actual Size:

You will need: (Not to Scale)



Hook & Loop Straps
6x

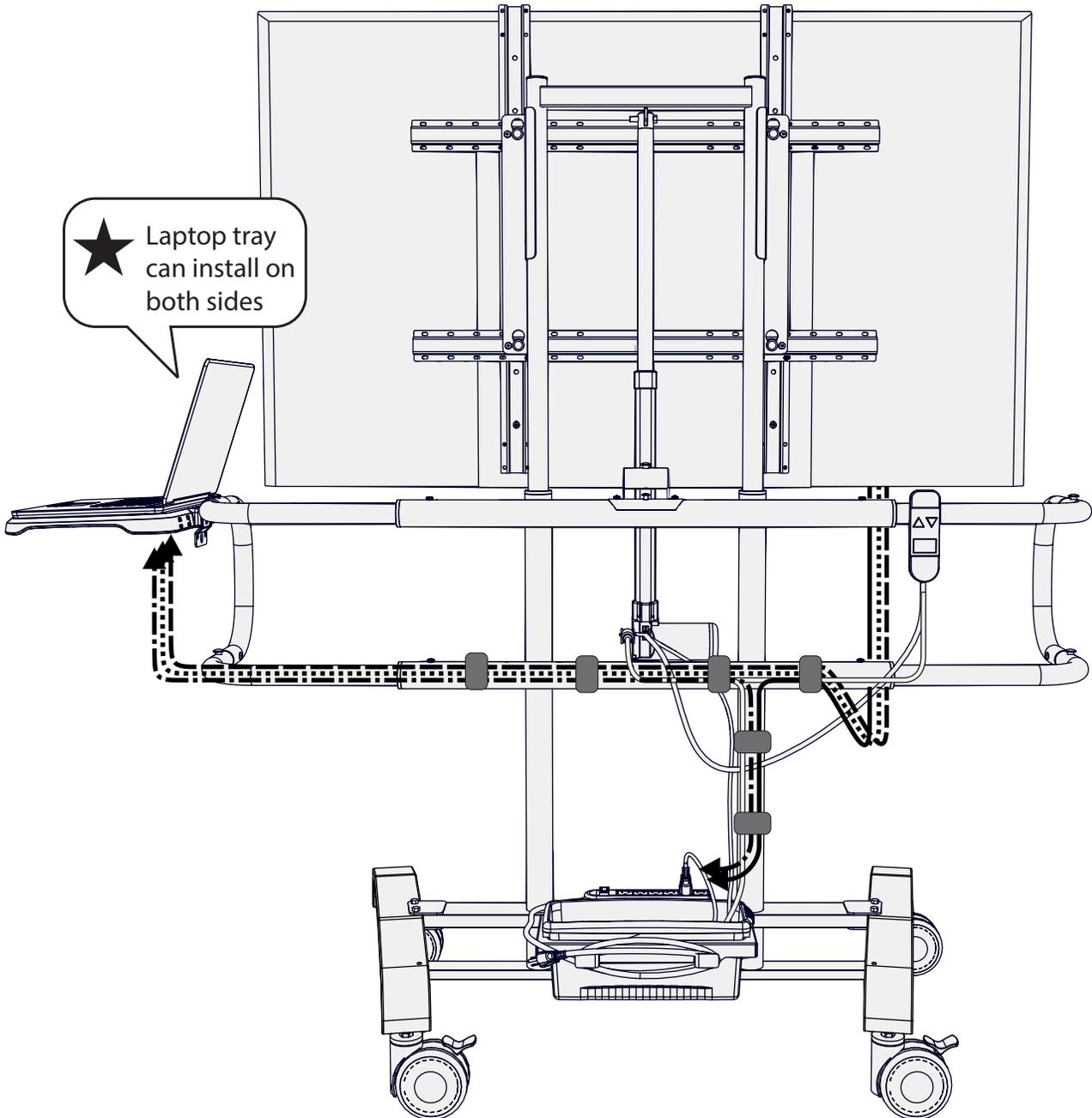
- VGA/HDMI Cable
- USB Cable
- Flat Panel Power Cable
- Laptop/Computer Power Cable
(items not included with IFP500)

Cable Routing

! Raise flat panel to max height before routing cables.
■ This ensures they have enough length when adjusting cart height.



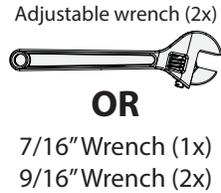
★ Laptop tray can install on both sides



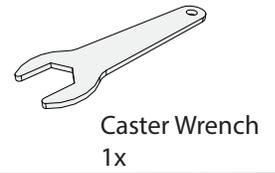
You will need: (Not to Scale)



+



+



Final Assembly Checks

Check entire assembly for loose parts; tighten all casters, bolts, screws and nuts

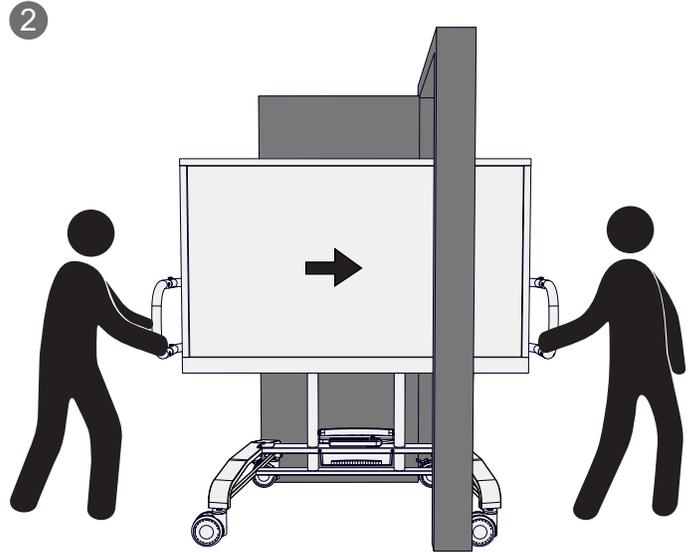
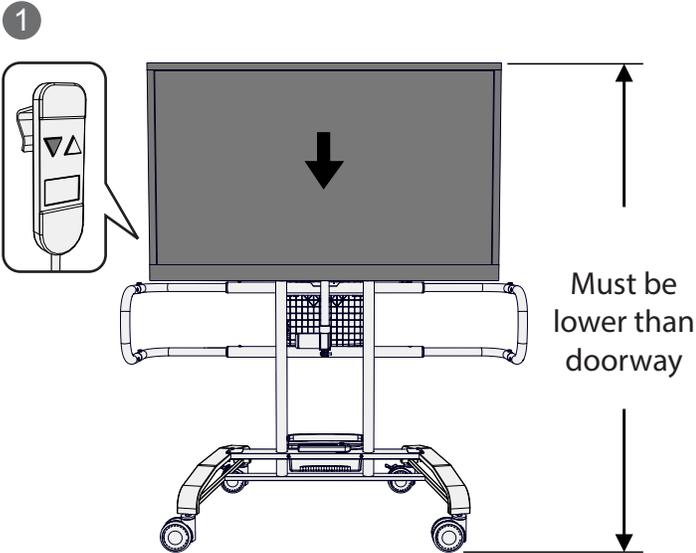


Tighten all casters using supplied Caster Wrench.

Keep wrench with unit. Casters must be tightened every 6 months for proper maintenance.



Warning - When moving your flat panel cart through a door ensure that the unit is shorter than the height of the door.



! Always turn off and unplug the flat panel screen before moving.
■ Stow away laptop tray before moving.



Warning - Can tip over resulting in risk of injury. Do not allow children under 16 to move cart. Move cart slowly.

