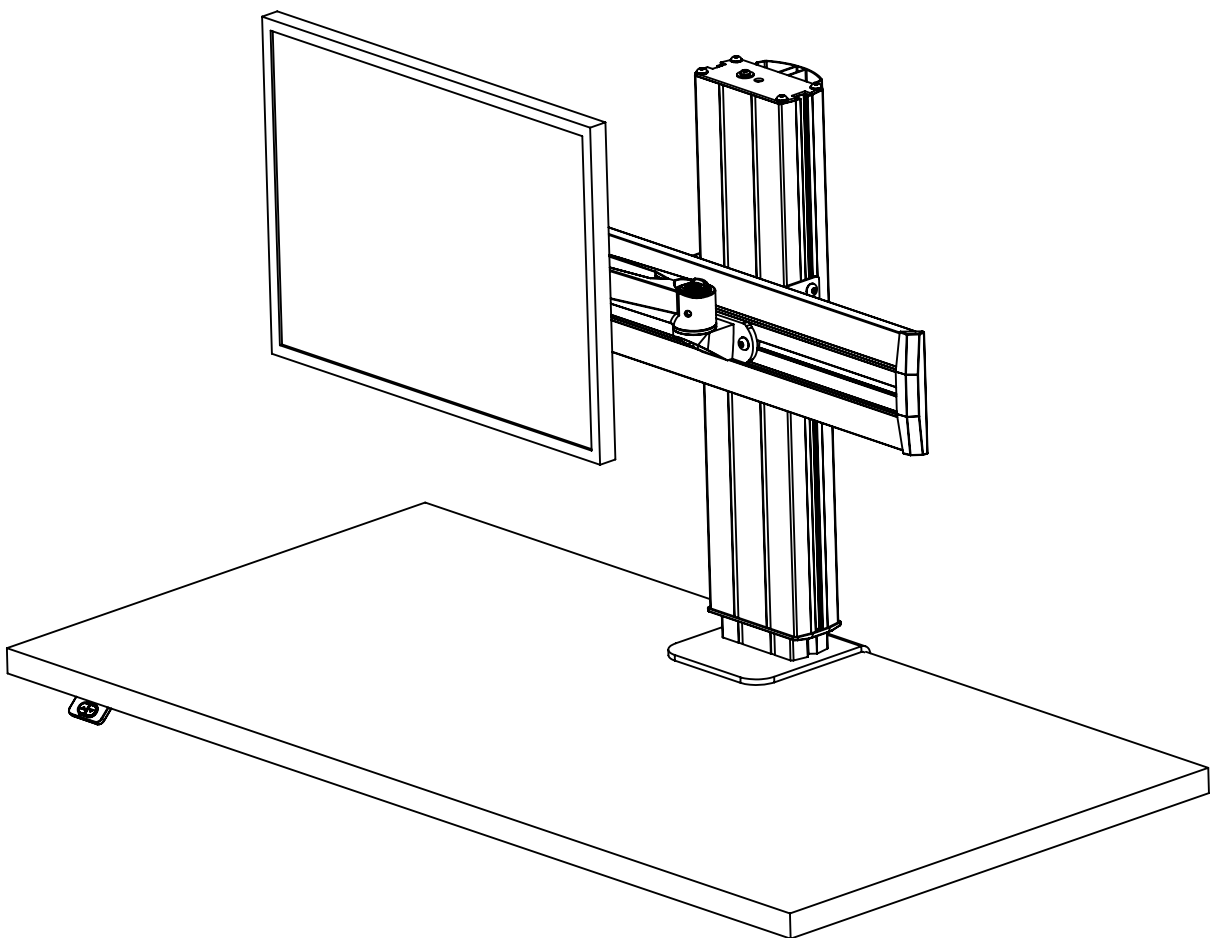# rightangle™

New Heights™ Hover E - Electric Monitor Arm
Desktop Monitor Lift Assembly Instructions
Warranty: raproducts.com/warranty

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT.

**USE THIS PRODUCT ONLY AS INSTRUCTED.
FAILURE TO COMPLY WITH ALL INSTRUCTIONS AND WARNINGS
MAY RESULT IN SERIOUS PROPERTY DAMAGE OR BODILY INJURY.**

WARNING

Basic Safety Instructions

1. **Intended Use.** This Product is exclusively designed for use as indoor office furniture in compliance with all instructions and safety warnings in the user manual. Any different use, or use extending beyond the intended use, may result in property damage or bodily injury and is prohibited. This Product should not be used, operated or maintained with additional components not authorized by K&A Manufacturing, Inc.

   BY USING THIS PRODUCT OR ANY FEATURE OF THIS PRODUCT, YOU AGREE TO COMPLY WITH ALL PRODUCT TERMS AND POLICIES, INCLUDING WITHOUT LIMITATION ANY SAFETY WARNINGS AND INSTRUCTIONS, PROVIDED BY K&A MANUFACTURING, INC. AND ITS AFFILIATES. K&A MANUFACTURING, INC. SHALL ASSUME NO LIABILITY FOR ANY DAMAGE OR INJURY CAUSED BY USE OF THE PRODUCT A) IN VIOLATION OF ANY SAFETY WARNINGS OR INSTRUCTIONS; B) NOT AUTHORIZED BY K&A MANUFACTURING, INC.; OR C) BY EVENTS BEYOND K&A MANUFACTURING, INC.'S CONTROL.

DANGER

**DO NOT SIT, STAND OR CRAWL ON OR UNDER THE PRODUCT.
MAKE SURE NO OBSTACLES ARE IN THE PRODUCT'S PATH.
MAKE SURE ALL CORDS ARE LONG ENOUGH TO ACCOMMODATE ANY CHANGE IN HEIGHT.
DO NOT USE ATTACHMENTS NOT RECOMMENDED BY THE MANUFACTURER.**

2. **Electrical Height Adjustment.** The height of this Product may be adjusted electronically. Contact with electrical voltage may cause serious injury and death. Only use the Product in compliance with these instructions. This Product should not be used in environments with high levels of humidity or moisture
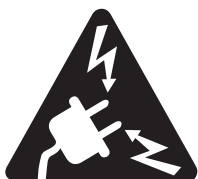
**KEEP CORDS AND ELECTRICAL COMPONENTS AWAY FROM HEAT AND LIQUIDS.
DO NOT OPEN ANY OF THE COMPONENTS: CONTROL BOX OR KEYPAD.
DO NOT USE WITH A DAMAGED PLUG OR CORD.
DO NOT INSERT ANYTHING INTO ANY SEAM OR OPENING.**

3. **Setup and Use.** This Product should only be used and operated in good condition. When in use, no one should sit, stand or crawl on or under the Product. There is a danger of crushing, shearing, injury or damage. Keep the entire range of motion of the Product clear of all obstacles. Devices and object on the Product can tip over, fall or be crushed by the Product.

**DANGER
KEEP HANDS AWAY**

**KEEP HANDS AND FINGERS CLEAR.
KEEP ALL OBSTACLES CLEAR OF THE PRODUCT'S PATH.**

4. **Users.** This Product is not intended for use with children, individuals with restricted physical, sensory or mental capabilities, or individuals who lack experience or knowledge, unless they are supervised by a person who is responsible for their safety or they have received instructions from a person who is responsible for their safety concerning how the Product must be used. Children should be closely supervised to ensure that they do not play with the Product and its height adjustment mechanism to avoid risk of physical injury or electric shock.

WATCH YOUR CHIILDREN AT ALL TIMES

KEEP CHILDREN AWAY FROM THE PRODUCT, ITS CONTROL UNITS, AND KEYPADS.

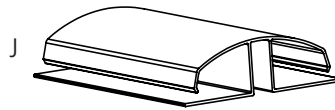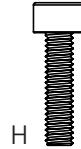## Tools Required for Assembly

A. Power Driver with Adjustable Torque
B. Tape Measure
C. #2 Phillips Head Driver Bit
D. #2 Square Head Drive Bit **(Recommended)**
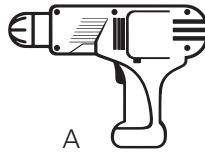
Hardware Included for Assembly *(may have extra)*

E. 5/8" Washer Head Wood Screw *x2*
F. 5/8" Wood Screw *x4*
G. 3/8" Bolt *x4*
H. M4 x 12mm Bolt *x4*
I. Cord Clip *x1*
J. Wire Management Channel *x1*
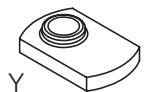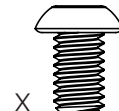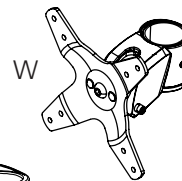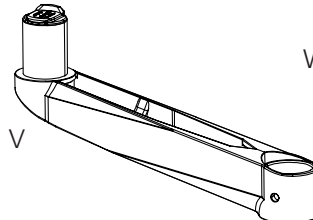K. 3/16" Allen Wrench *x1*
L. 3mm Allen Wrench *x1*

Hover E Parts

M. Control Box *x1*
N. Switch *x1*
O. Power Cord *x1*
P. Two Hole Weld Nut *x2*
Q. Column Bracket *x1*
R. Rail *x1*
S. Rail caps *x2*
T. Monitor Lift Assembly *x1*
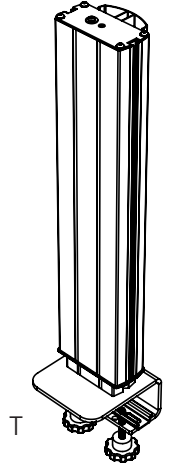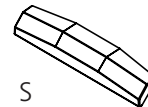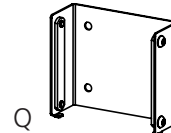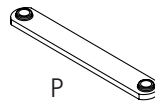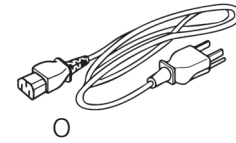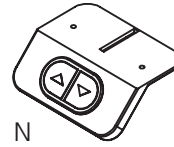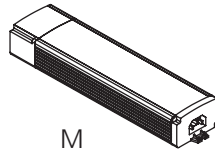
Hover Monitor Arm Kit *(quantity will vary based on your order)*

U. Rail Mount *x1*
V. Extension *x1*
W. Monitor Mount *x1*
X. 1/2" Bolt *x2*
Y. Weld Nut *x2*
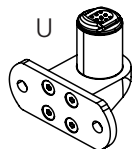
Step 1

- Slide the monitor lift assembly (T) onto the table top and tighten the knobs to secure it to the table.
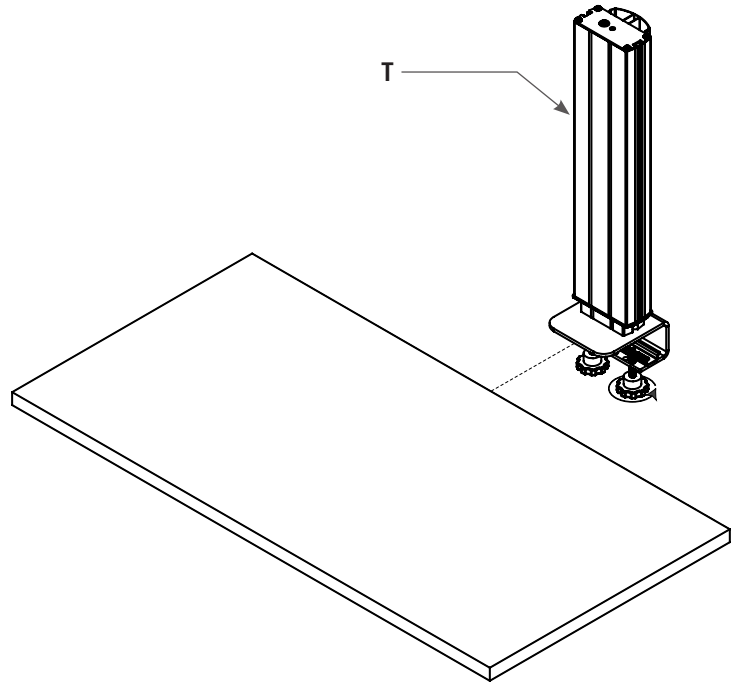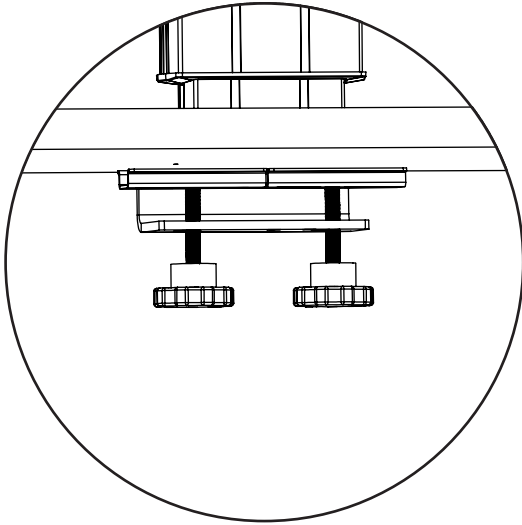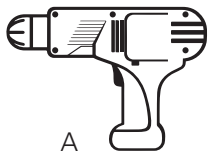
Step 2

- Install the control box (M) on the bottom side of the table using (2) wood screws (F).
- For standard install location, align control box with pre-drilled pilot holes. However, it can be installed in any location, wire lengths permitting.

⚠ **Required Orientation:**
Long side of control box must run parallel to the long side of the worksurface.

A   D   F
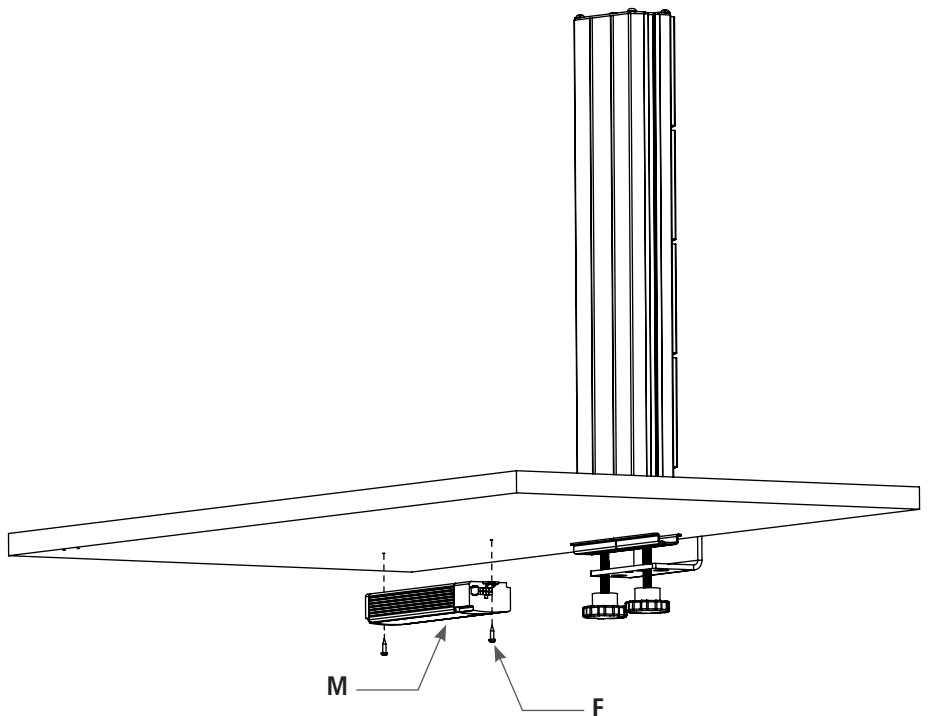
NOTE: Table will **NOT** operate unless the control box (M) is screwed tight into the table without any play.

Step 3

- Install the switch (N) on the bottom side of the table with (2) wood screws (F).
- Attach cord clip (I) to the switch wire then install the clip to the table with (1) washer head wood screw (E).

NOTE: Screws do not require pre-drilled holes.

A   D   E

F   J

Motor Cable

Switch Cable

N

I

F

E
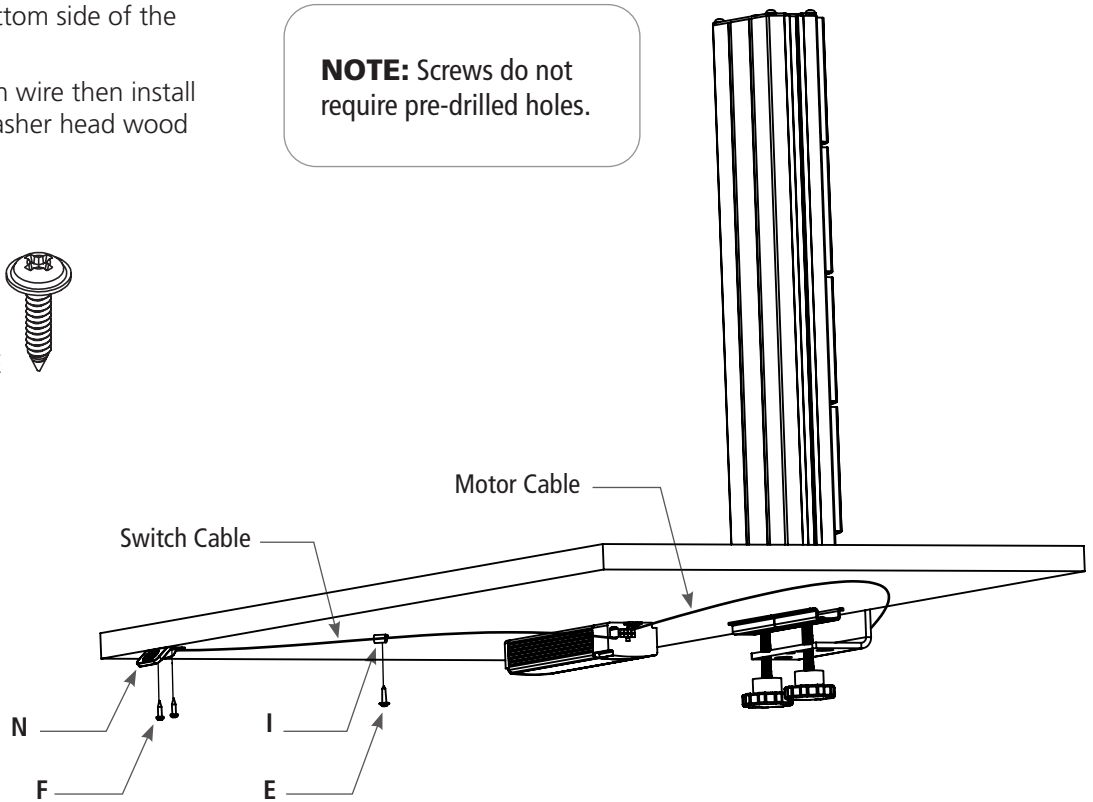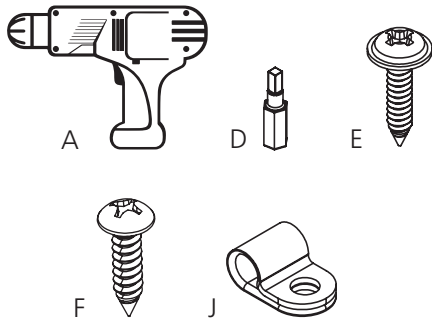
Standard Switch

Upgrade - Programmable Switch
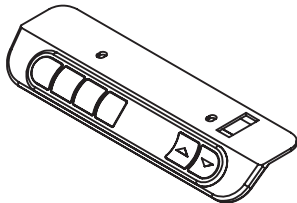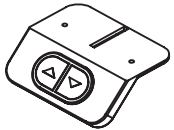
PRO TIP The switch and clips can be installed in any location, wire lengths permitting.

NOTE: If you have a 4-button programmable switch, please refer to the installation instructions included with switch.

Step 4

- Plug the control switch, motor, and power cables into the control box (M).
- Plug power cable into outlet.
- Test your Hover E to check if assembly was successful.

  - Hold the down arrow on the control switch until column no longer moves to complete "reset mode."
  - Once column is in lowest position, push up arrow.
  - If the column moves properly, installation was a success.

Control Box End View

Power Cable

Switch Cable

Motor Cable
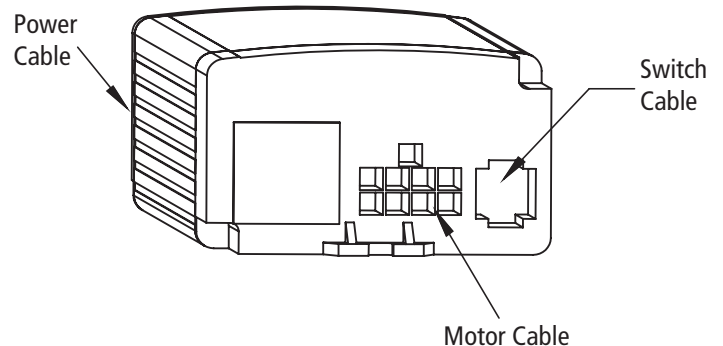
Step 5

- Loosely attach (2) two hole weld nuts (P) to the column bracket (Q) with (4) 3/8" bolts (G).

⚠ Do not fully tighten the (4) bolts. Turn the bolts only a few times so they are just able to hold the (2) weld nuts.

L

G
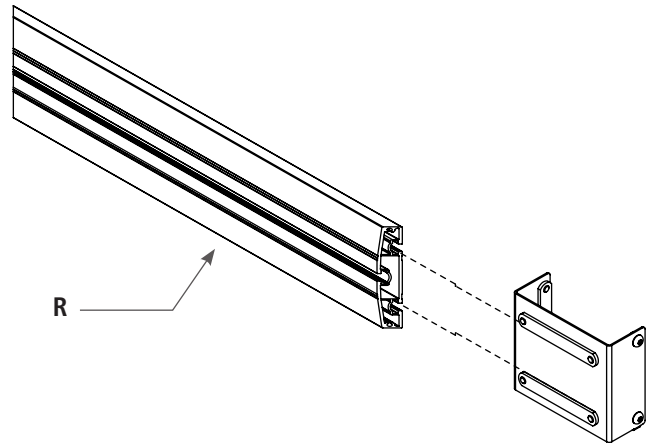
Outside Bolts

G

Outside Bolts

Inside Bolts

Q

P
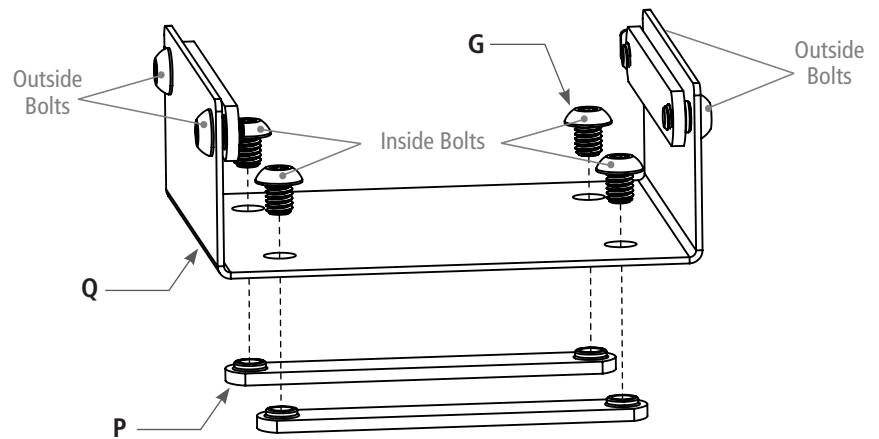
Step 6

- Slide the column bracket assembly into the rail (R) slots to your desired location.

- Tighten the (4) inside bolts the rest of the way to keep the bracket assembly in place.
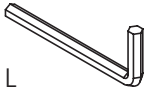
L

NOTE: Rail length will vary depending on what is ordered.

R

Step 7

- Align grooves and slide the rail and column bracket assembly down the monitor lift assembly (T) to your desired height.

- Tighten the (4) outside screws the rest of the way to hold the assembly in place.

L
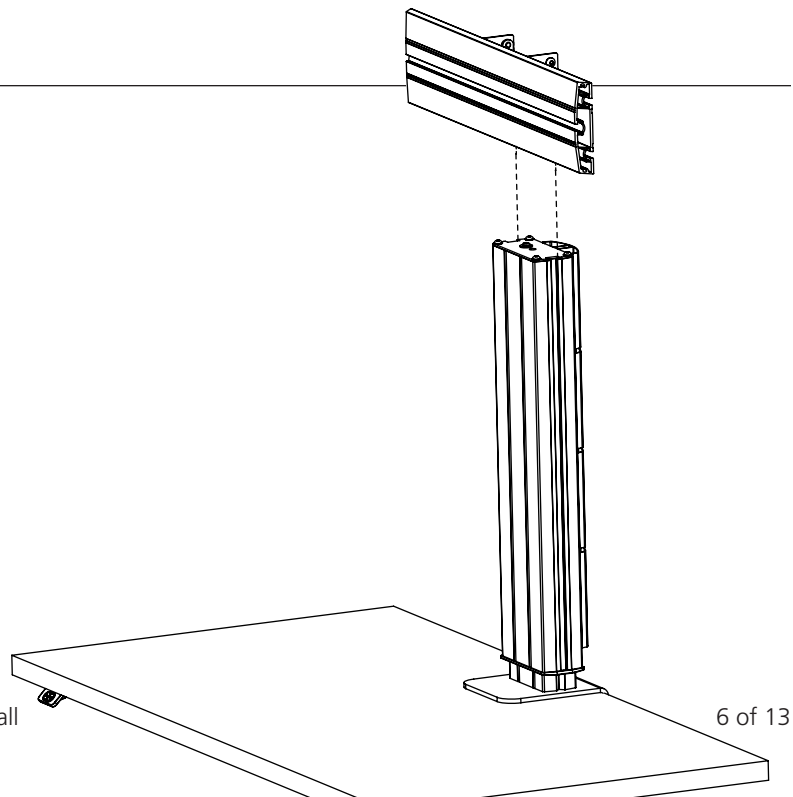
Step 8

- Attach the (2) weld nuts (Y) to the rail mount (U) with (2) 1/2″ bolts (X).

> ⚠ Only insert the bolts a few turns so it is enough to hold the weld nut.

- Slide the assembly into the slots in the rail to your desired location. Make sure the weld nuts (Y) are turned inwards as shown.
- Tighten the bolts the rest of the way.
- Repeat for additional

L   X
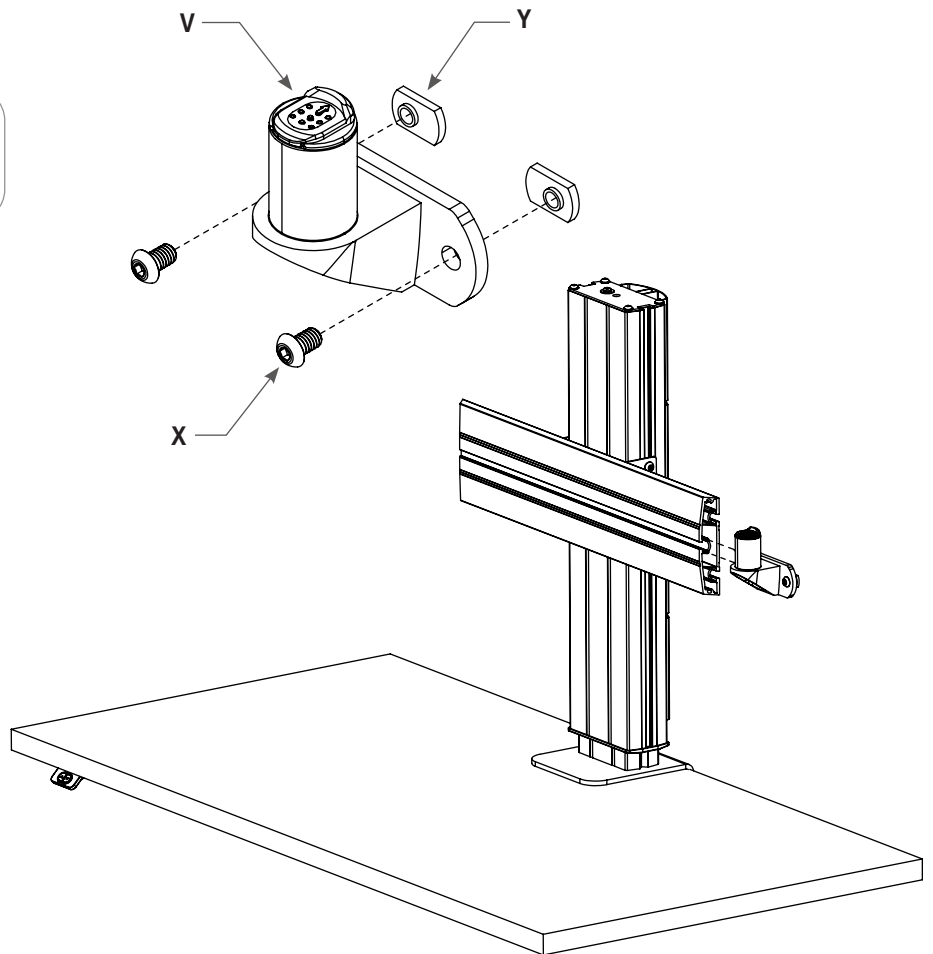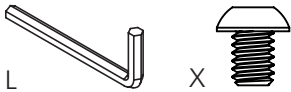
Step 9

- Install the rail covers to the rail.
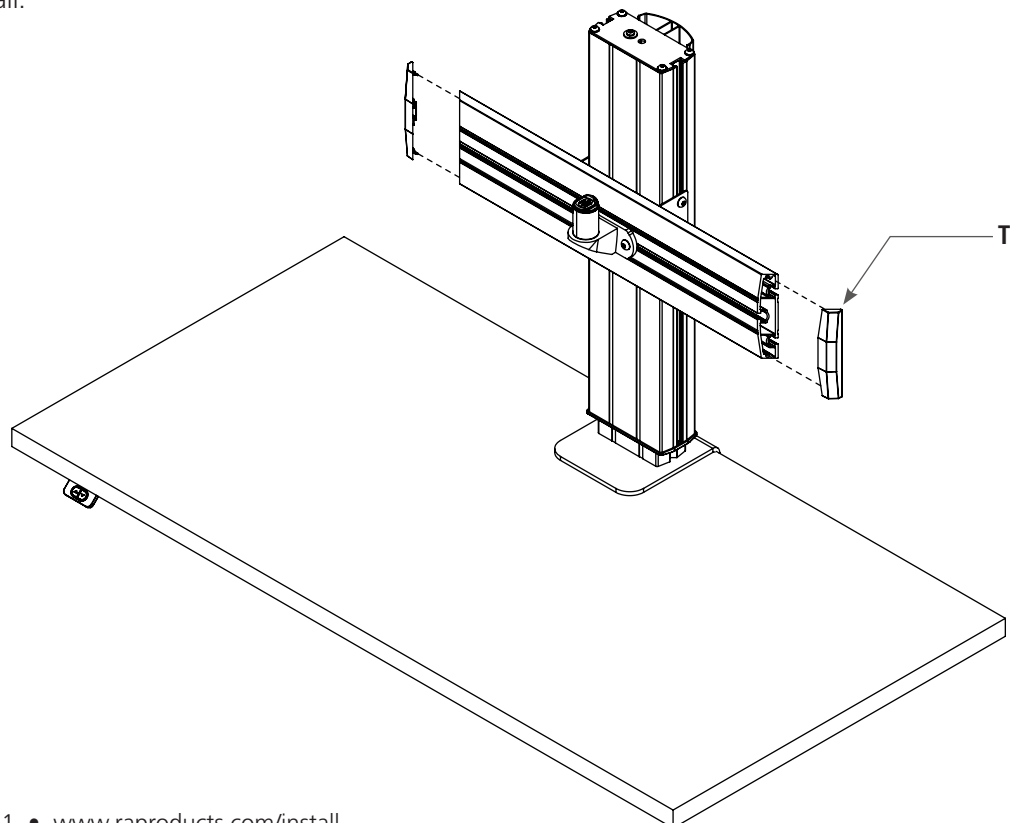
Step 10

• Slide the monitor arm onto the arm
  bracket until it clicks and is secured.

W
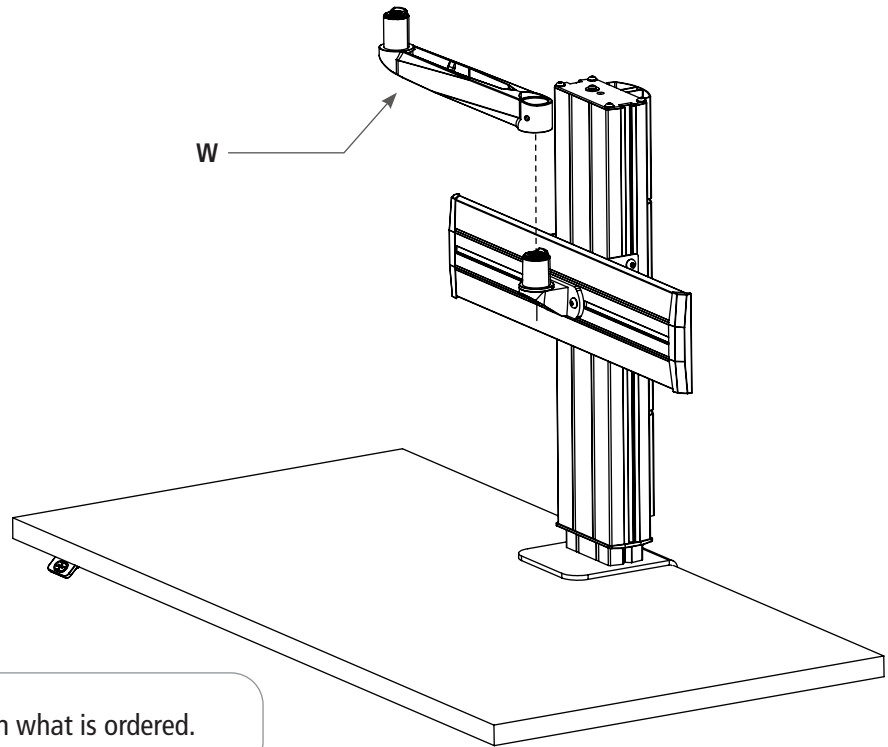
NOTE: The Hover may vary depending on what is ordered.

Step 11

• Install the monitor bracket to the back side
  of the monitor.

I

M

X

Top of Bracket

Top of Monitor
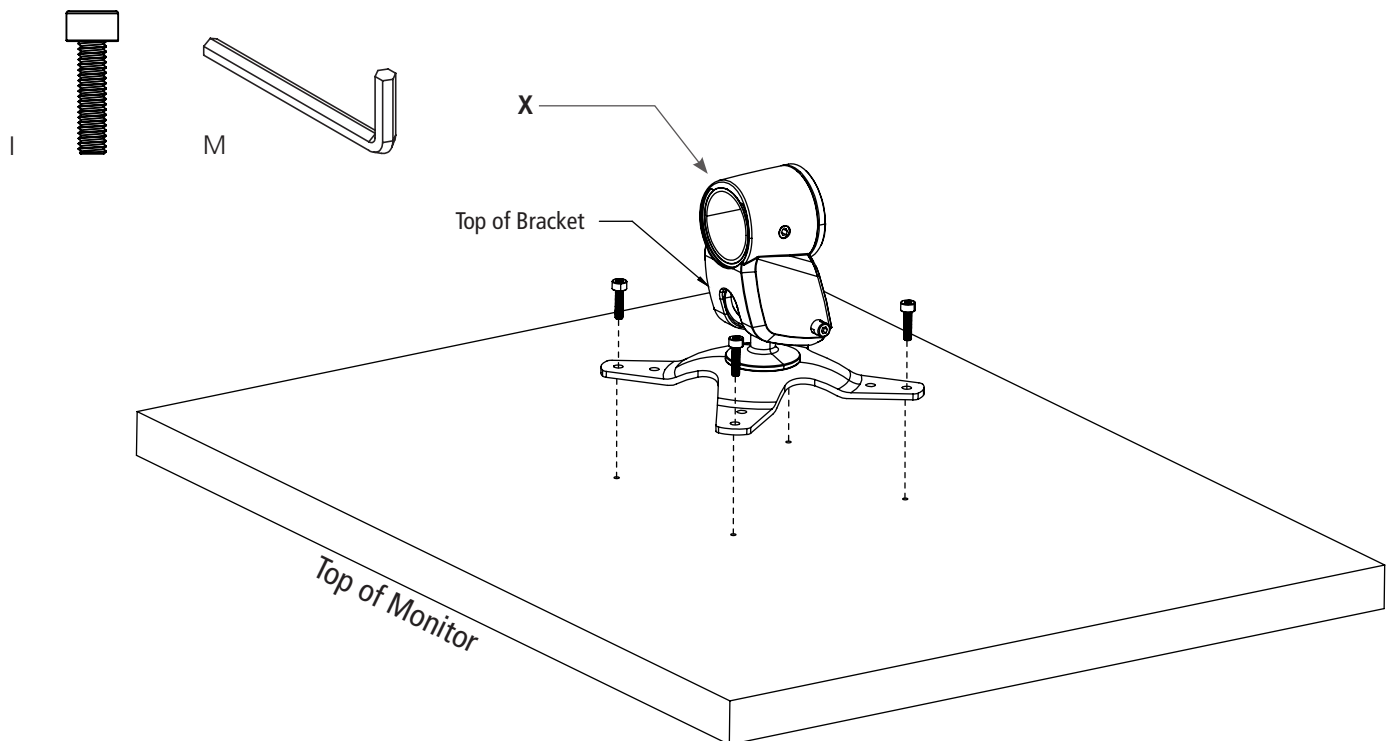
Step 12

• Slide the monitor bracket onto the monitor arm until it clicks and is secured.
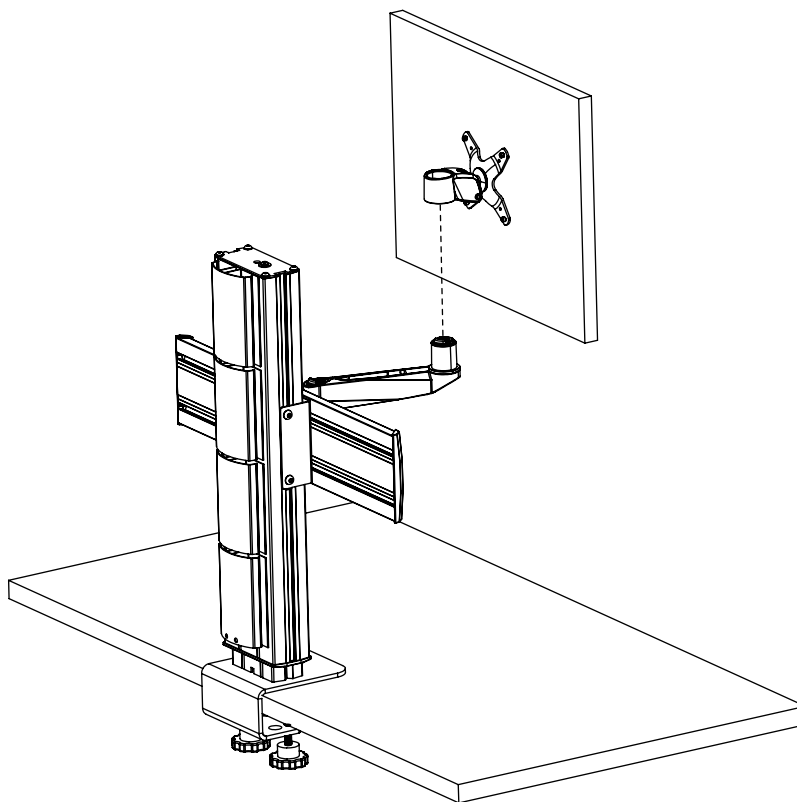
Step 13

• Install the Wire Managment on the back side of the rail.
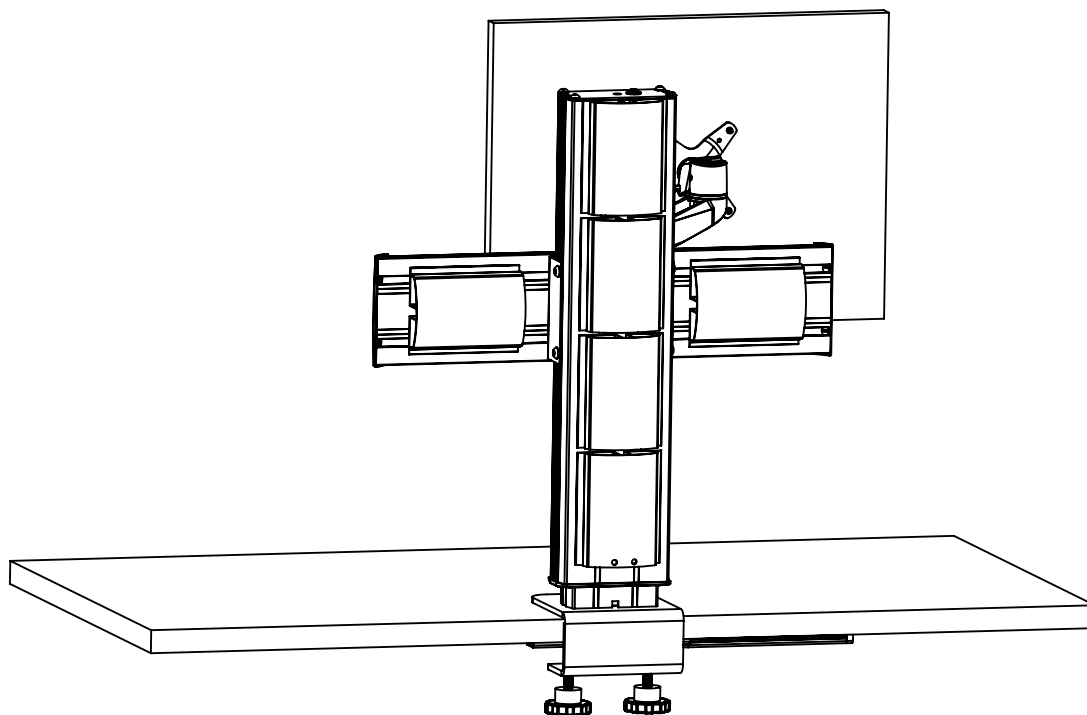
Step 14

- Attach the column top cap.
- On the underside of the top cap, remove the backing of the double sided tape. Align the top cap to the top of the Hover E column - be sure to position the top cap correctly so the bolt at the top of the column correctly fits inside the top cap.
- Firmly press down on the top cap to secure it to the column..
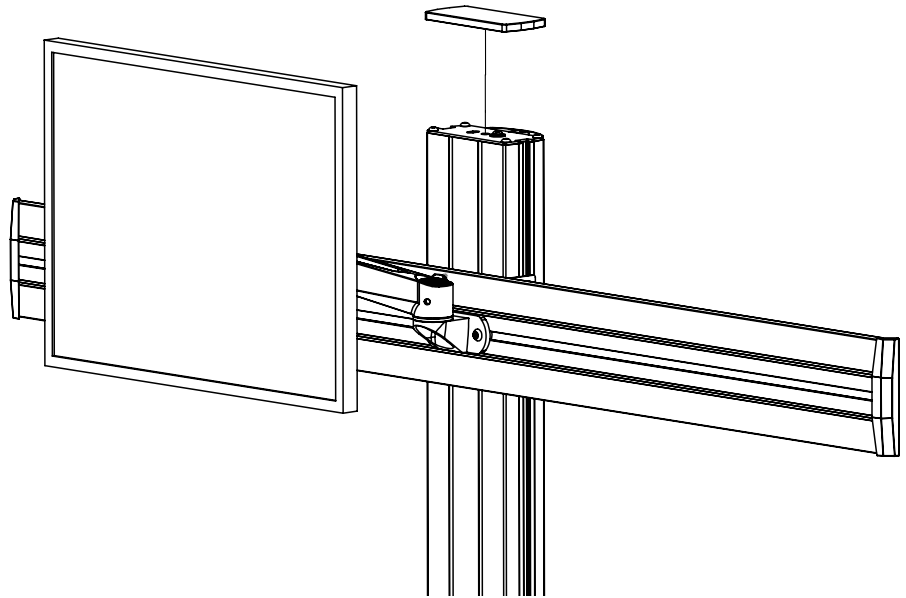
Standard Switch ✂ Save for Reference

Start Up Procedure:

• Plug the power cord into a standard 110V receptacle. A power surge protector
  is recommended.

• Press the down arrow until the worksurface reaches its lowest position.

• The workstation is ready for use.

• **If the table is not functioning normally or has lost power, perform the reset procedure.**
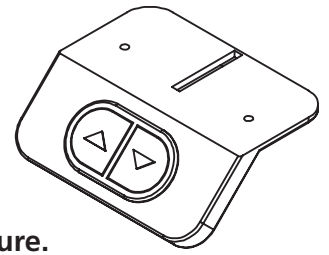
Reset Procedure:

• Unplug the unit from the wall for 10 seconds.

• Clear all obstructions from the travel path of the desk.

• Plug the unit back in the wall.

• Press and hold the down arrow key until the table reaches its lowest position.

Add Container Stops:

• Move the table ◄▼ to the upper or lower desired height.

• Rapidly press ◄ 4 times. You will hear a musical tone. ♪

• Rapidly press ▼ 2 times. A musical tone plays two times. ♪ ♪

  - To add the upper container stop press ◄ A musical tone plays two times. ♪ ♪
  - To add the lower container stop press ▼ A musical tone plays two times. ♪ ♪

Remove Container Stops:

• Move the table ◄▼ to the upper or lower preset height.

• Rapidly press ◄ 4 times. You will hear a musical tone. ♪

• Rapidly press ▼ 2 times. A musical tone plays two times. ♪ ♪

  - To delete the upper container stop press ◄ You will hear a musical tone. ♪
 - To delete the lower container stop press ▼ You will hear a musical tone. ♪

Troubleshooting:

If you are having any problems with the operation, contact RightAngle Products at **800.298.4351**
or **orders@raproducts.com**

Optional Programmable Switch (full instructions packaged with switch)

Start Up Procedure:

• Plug the power cord into a standard 110V receptacle. A power surge protector is recommended.

• Press the down arrow until the worksurface reaches its lowest position.

• The workstation is ready for use.

• If the table is not functioning normally, or has lost power, perform the reset procedure.
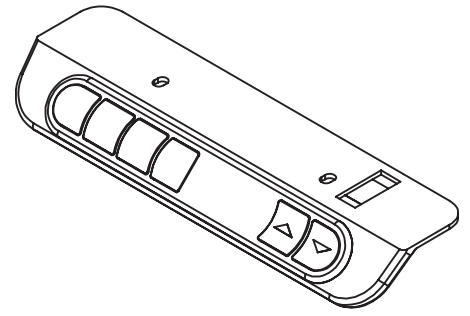
Reset Procedure:

• Unplug the unit from the wall for 10 seconds.

• Clear all obstructions from the travel path of the desk.

• Plug the unit back in the wall.

• Press and hold the down arrow key until the table reaches its lowest position

See Packaged Instructions for Programmable Options

Mechanical Reset Mode

If the table is unresponsive, uneven, or not functioning properly, perform a manual reset.
User settings are not reset in this process.

There are three methods to reset a workstation:

Reset Method A

1. Clear all obstructions from the travel path of the workstation

2. Disconnect the power to the control box for 30 seconds.

3. Reconnect the power

4. Press and hold the ⬇ until the workstation has reached its lowest possible position.

Reset Method B (4 button programmable switch required)

1. Clear all obstructions from the travel path of the workstation

2. Quickly press ⬆+ ⬆+ ⬆+ ⬆ to enter the menu mode.

3. P01 is displayed and you will hear a musical tone ♪

4. Press the ⬆⬇ to navigate the menu.

5. Navigate to the P09 display

6. Press the ① button to enter or accept

7. Press and hold the ⬇ until the workstation has reached its lowest possible position.

The workstation is now ready to operate

Reset Method C - 2 Button Switch

1. Clear all obstructions from the travel path of the workstation

2. Quickly press ⬆+ ⬆+ ⬆+ ⬆ to enter the menu mode.

3. You will hear a musical tone. ♪

4. Press ⬇ + ⬇+ ⬇+ ⬇

5. You will reach the limit adjustment menu and hear four musical tones. ♪ ♪ ♪ ♪

6. Press and hold the ⬇ until the workstation has reached its lowest possible position.

The reference is re-calibrated, the table should be leveled and the height indication should be correct.