

PANORAMA ULTRA

WIDE FORMAT RETRACTABLE SCREENS

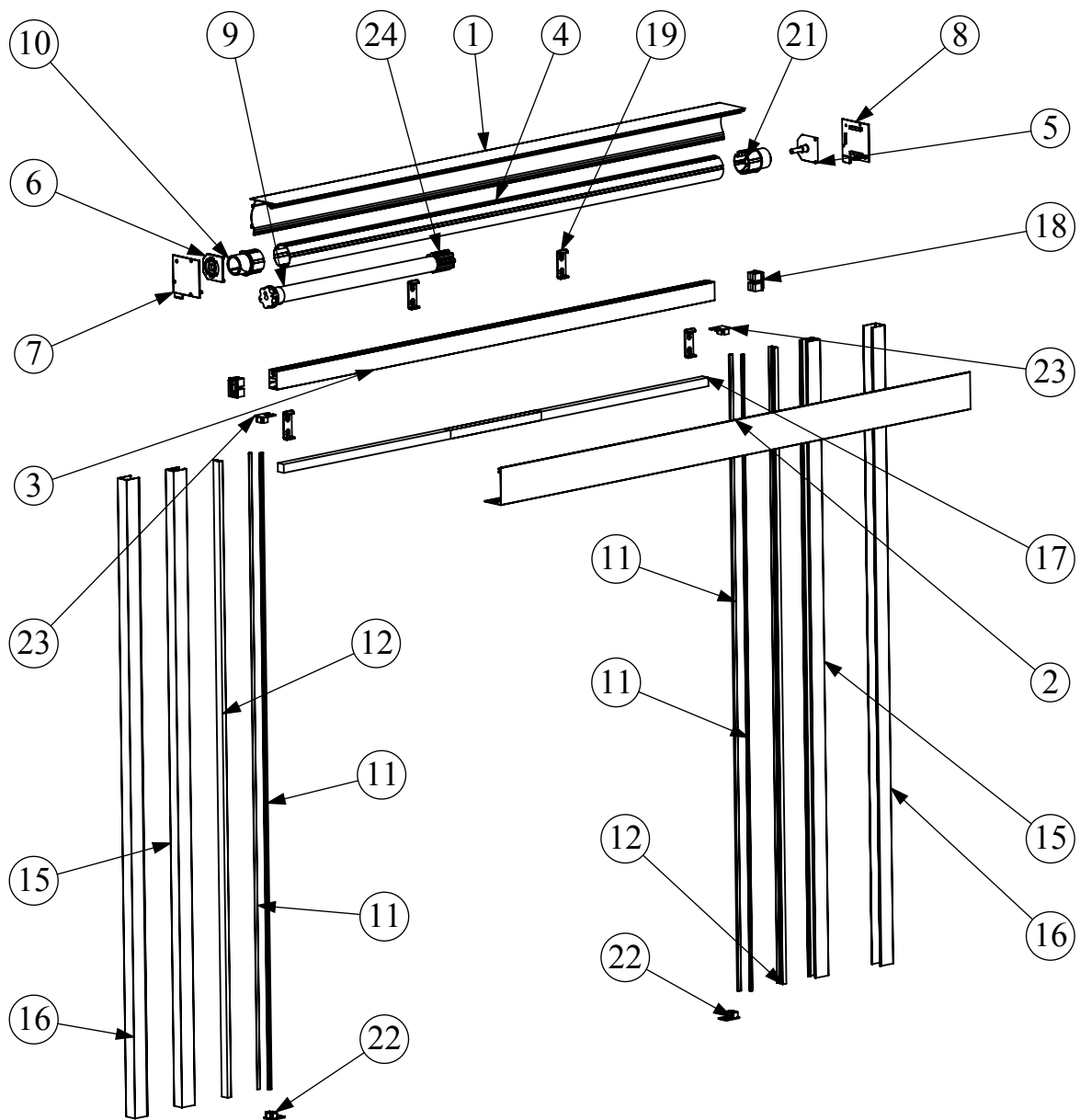
Installation Instructions



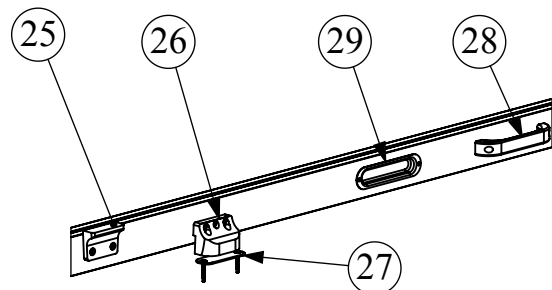
600 Defiance Ave.
Hicksville, OH 43526
800-431-2986 / Fax: 419-542-0247

TABLE OF CONTENTS

Parts	Page
Exploded diagram.....	1
Tools & Fasteners	
Tools Required.....	2
Fasteners & Tools Included.....	3
Types of Installs	
Housing Mounting Types.....	4
Face Mount Installation.....	5
Under The Header Mount.....	6
Cutting & Installing Rails	
Rail Cutting.....	7
Zip Guide Rail Cap Installation.....	8
Face Mount Rails.....	9
Jamb Mount Install.....	10
Spring Tension	
Removing The Roll Tube And Adjusting Spring Tension.....	11
Installing The Spring Roll Tube In The Housing.....	12
Cable System	
Mounting the Cable System	13
Electrical	
Wiring Instructions for RTS Motor.....	14
Programming and Limit Setting.....	15-16
Deleting Limits & Remotes.....	17
Adding a Transmitter or Copying Channels.....	18



ITEM NO.	DESCRIPTION	QTY.
1	Back Housing	1
2	Front Cover	1
3	Crossbar	1
4	Roll Tube	1
5	Housing Cap Pin Side Insert	1
6	Housing Cap Motor Insert	1
7	Left Housing Cap	1
8	Right Housing Cap	1
9	PanUltra Motor	1
10	Roll Tube Motor Insert	1
11	Zip Guide Retainer	1
12	Zipper Retainer	1
15	Zip Guide Rail	2
16	Outside Rail	2
17	Steel Weight	2
18	Crossbar Cap	2
19	Mounting Bracket	2-4
21	Roll Tube Pin Insert	1
22	Bottom Rail Cap	2
23	Top Rail Cap	2
24	Motor Drive Gear	1
25	Spring Stop (Spring)	2
26	Magnet Base (Spring)	2 or 3
27	Strike Plate (Spring)	2 or 3
28	PanUltra D-Handle (standard) (Spring)	Standard with spring
29	Recessed Handle (optional upcharge) (Spring)	Optional

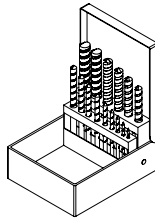


NOTE:

You will need to be able to turn the power on & off to each motor individually

VOLTS	AMPS	Hz	TORQUE (in/lbs)	RPM
120	2.4	60	265	21

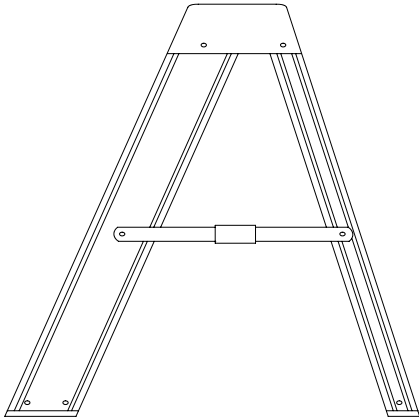
Tools Required:



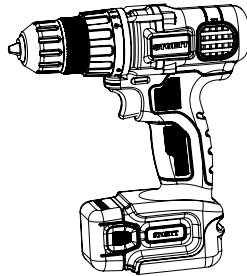
Drill Index



3/8" x 12" Drill Bit



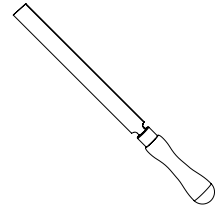
6' Step Ladder



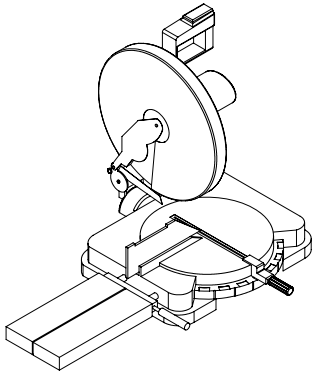
Cordless Drill



Tape Measure

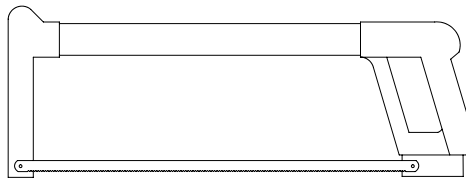


Small Hand File
Medium Course -
Half Round



Aluminum Cutting Chop Saw

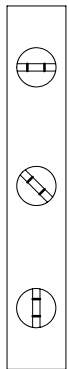
OR



Hacksaw



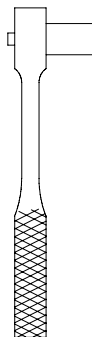
100% Silicone
Spray



Level

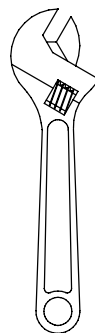


Pencil



Ratchet

OR

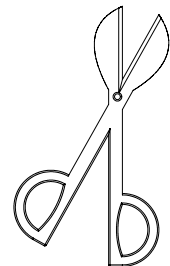


Crescent
Wrench

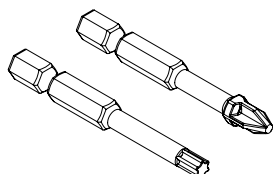


Utility
Knife

OR



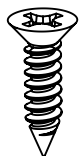
Tin Snips



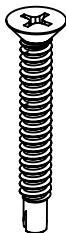
Assorted bits
#2 Phillips
T20 Torx

Fasteners & Tools Included

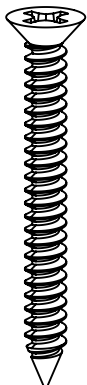
#10 x 3/4"
Flat Head
SS



#8 x 1"
Flat Head
SS



#12 x 2"
Flat Head
SS



#8 x 3/4"
Pan Head
Tek SS



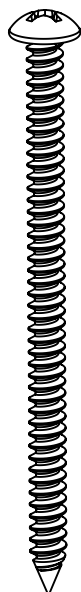
#10 Concrete
Anchor



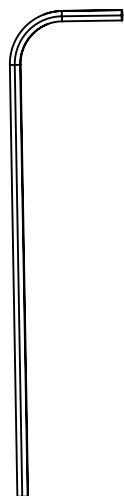
M6 x 1mm
Set Screw



#10 x 3"
Pan Head
SS



3 mm Allen
Hex Wrench



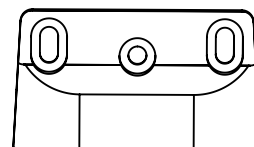
Housing Mounting
Bracket



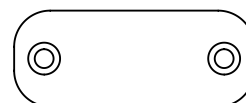
#8 x 2"
Flat Head
SS D-Handle
Screw



S2 Magnet Base
standard with spring



Strike Plate
standard with spring



#10 Hinged Fastener
Screw Cap Cover



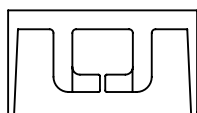
Qty: Will Depend
On The Door Size

Zip Guide
Retainer

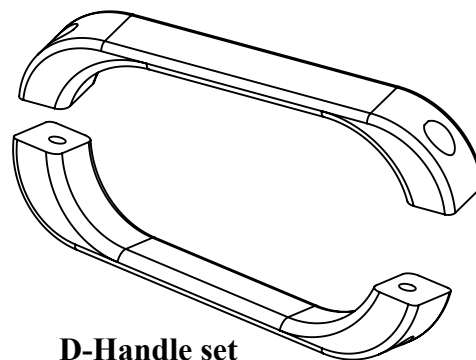


4x

Zip
Retainer



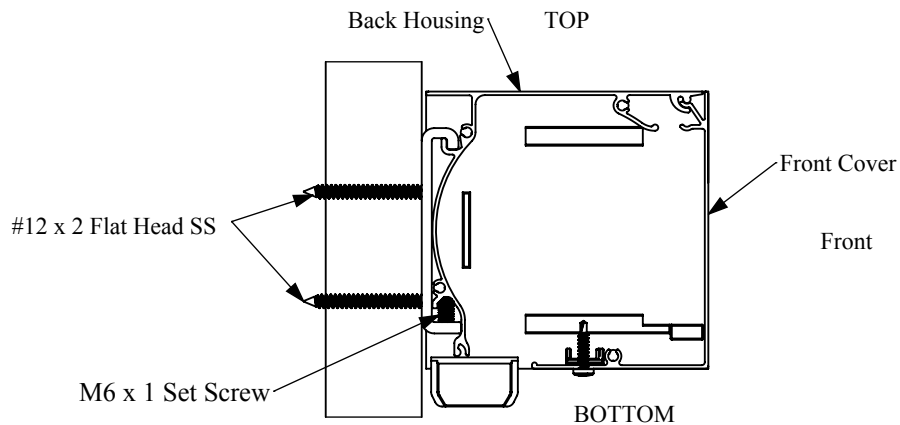
2x



D-Handle set
standard for spring
unit

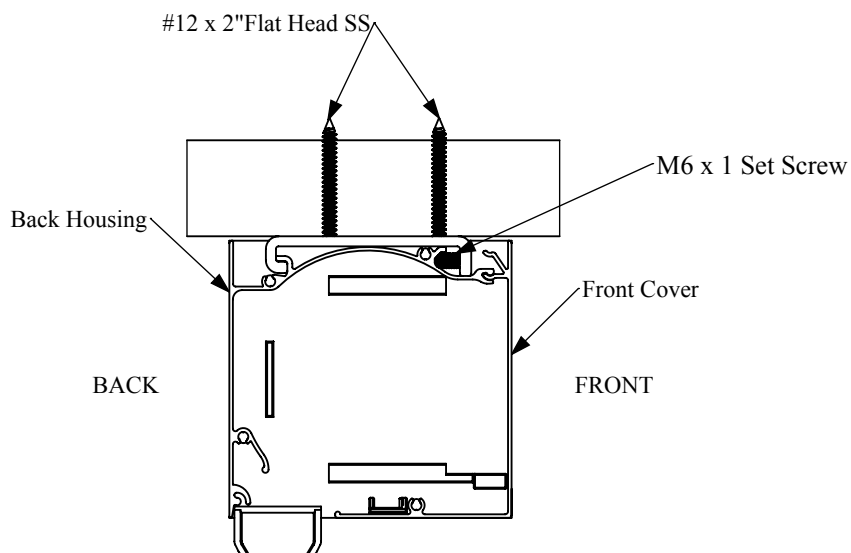
HOUSING MOUNTING TYPES

Before mounting the housing in place you will need to figure out where the placement of the power cord if installing a motorized system



This is a face mount housing and bracket set-up.

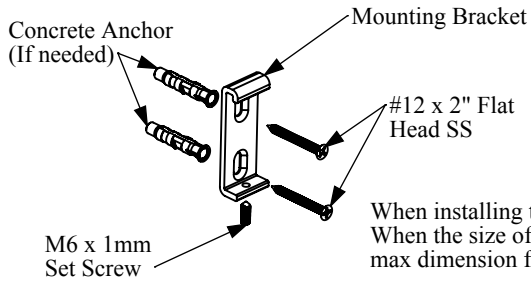
FACE MOUNT



This is an under the header mount housing and bracket set-up.

UNDER HEADER

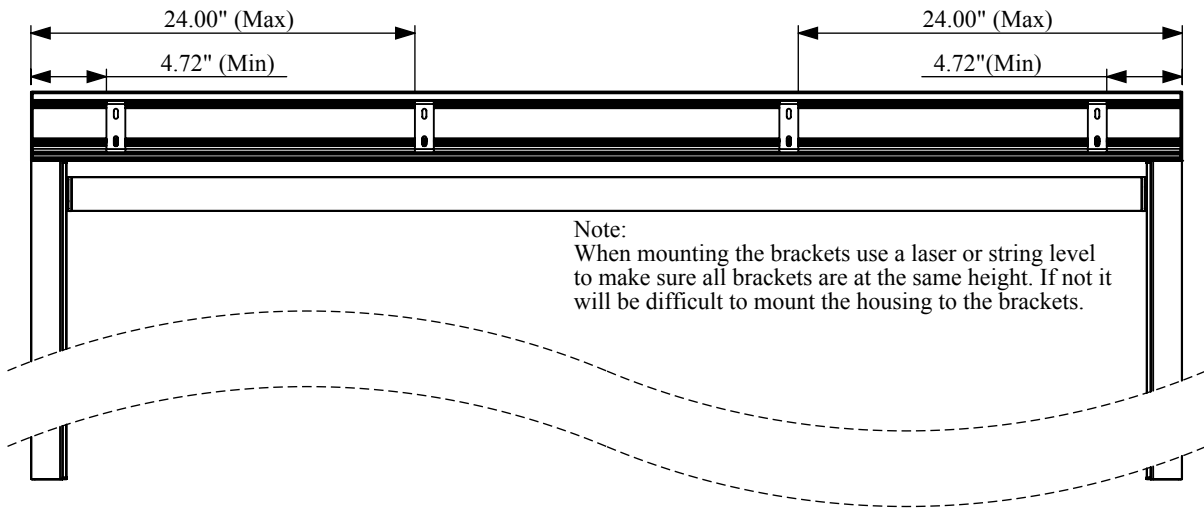
MOUNTING BRACKET INSTALLATION



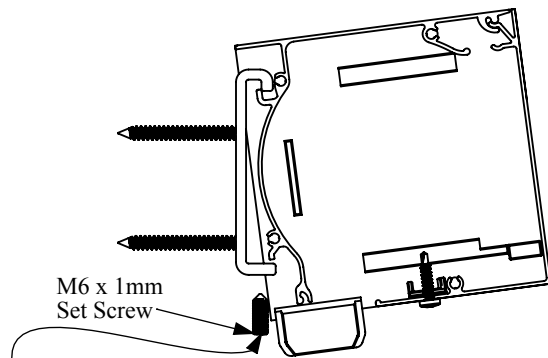
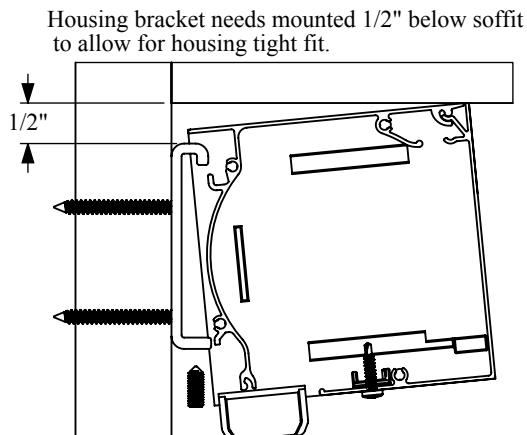
S1 Series	
4' - 6'	= 2 Brackets
7' - 10'	= 3 Brackets (One Centered)
11' - 13'	= 4 Brackets

S2 Series	
4' - 6'	= 2 Brackets
7' - 10'	= 4 Brackets
11' - 13'	= 5 Brackets (One Centered)
14' - 17'	= 6 Brackets

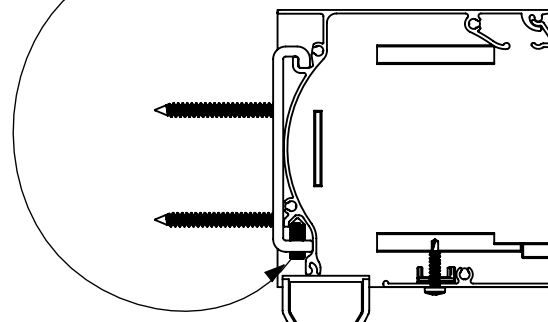
When installing the housing mounting brackets, the brackets on the ends need to be 4-3/4" from the end. When the size of door requires 3 brackets, the third will be in the middle. When 4 brackets are required 24" max dimension from the housing caps.



Note:
When mounting the brackets use a laser or string level to make sure all brackets are at the same height. If not it will be difficult to mount the housing to the brackets.



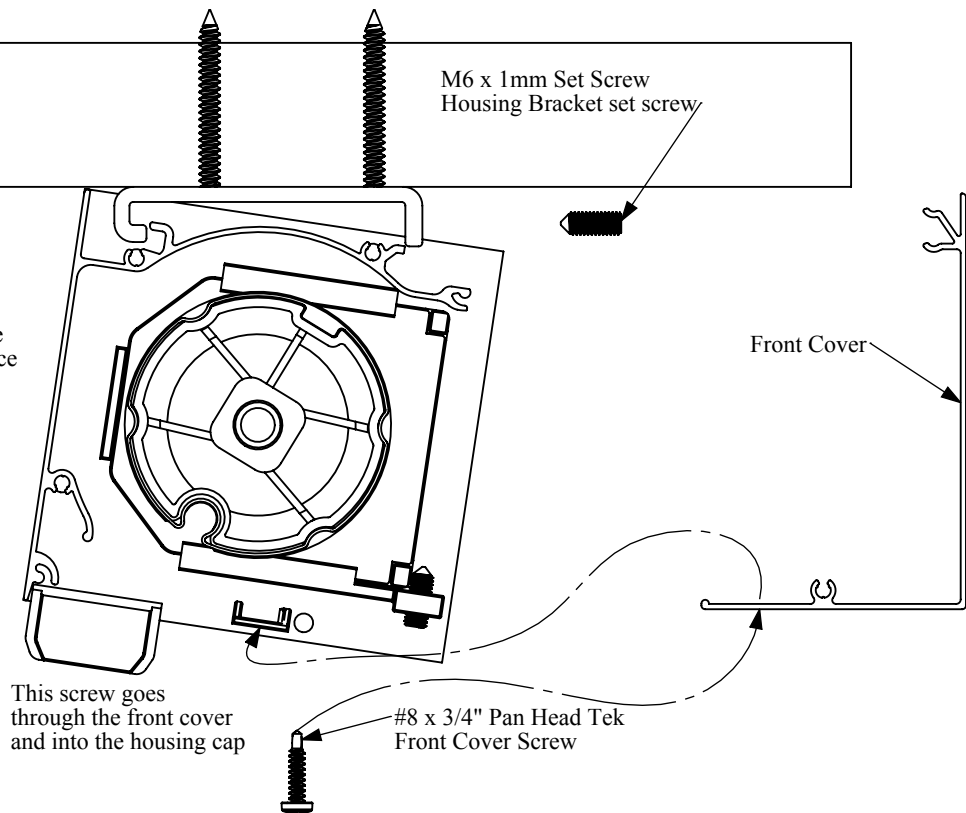
Mount housing by tilting housing slightly pushing it back against the bracket and using the (M6 x 1mm set screw). Use 3mm allen wrench (provided) to lock in place.



UNDER THE HEADER MOUNT

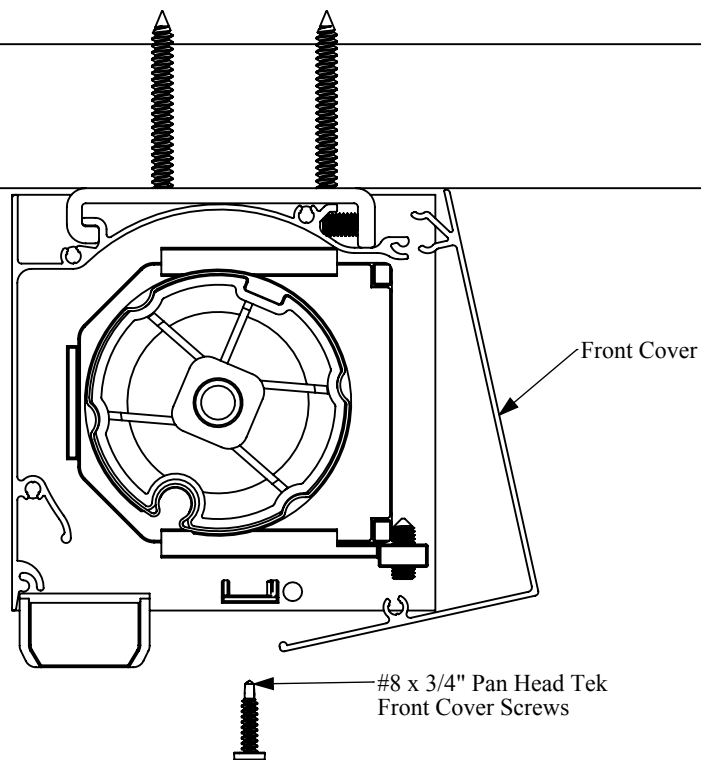
Install the unit under the header

1. Remove the front cover screws (#8 x 3/4" Pan Head Tek)
2. Hinge the front cover up and remove
3. Rotate the housing into place and use (M6 x 1mm Set Screw) to lock in place

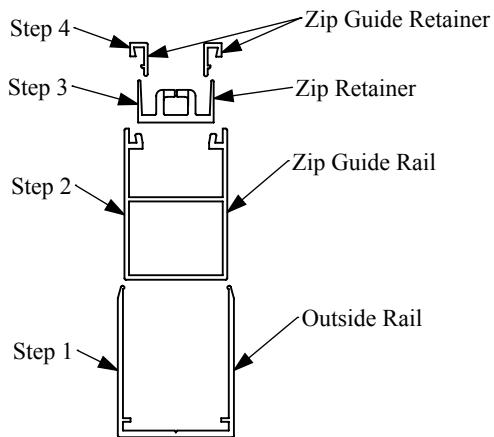


Once the housing bracket set screws are in place and tight.

1. Install the front cover by rotating back in place
2. Install the front cover screws (#8 x 3/4" Pan Head Tek)

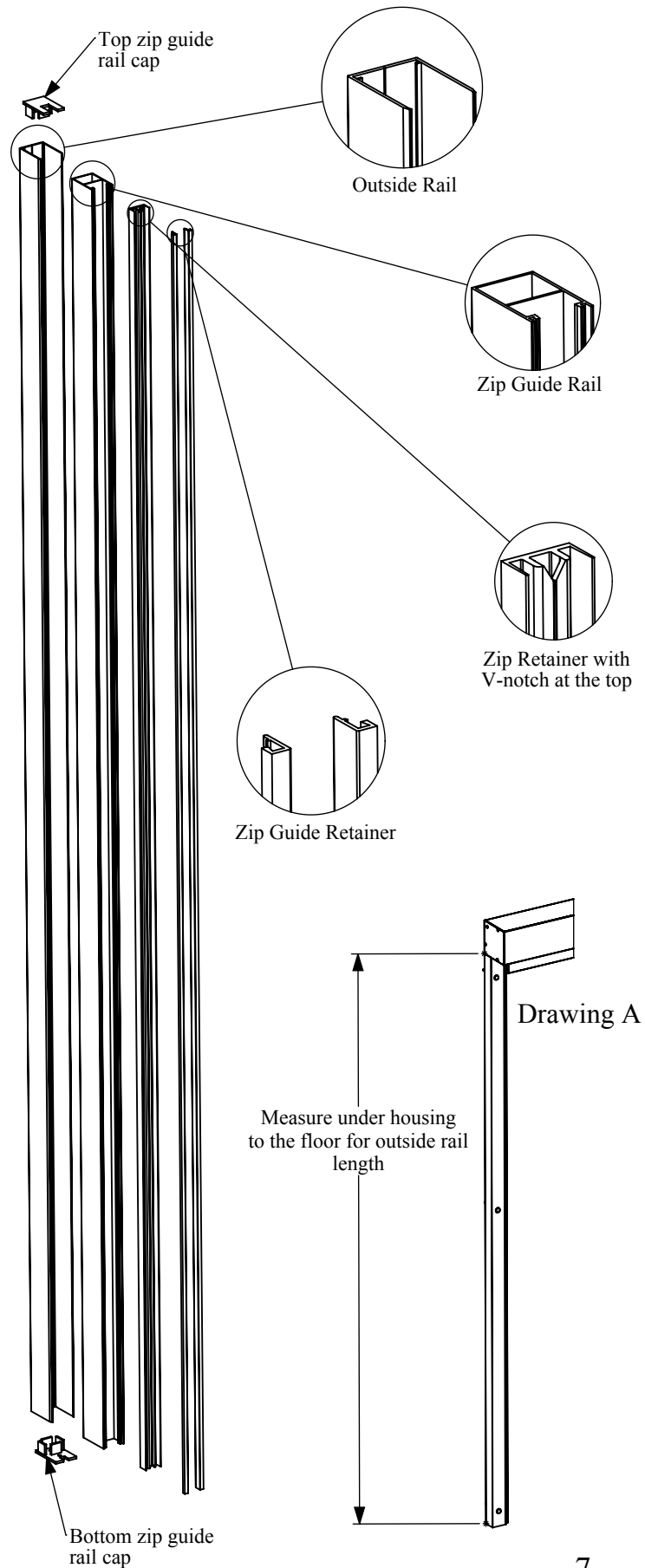


RAIL CUTTING

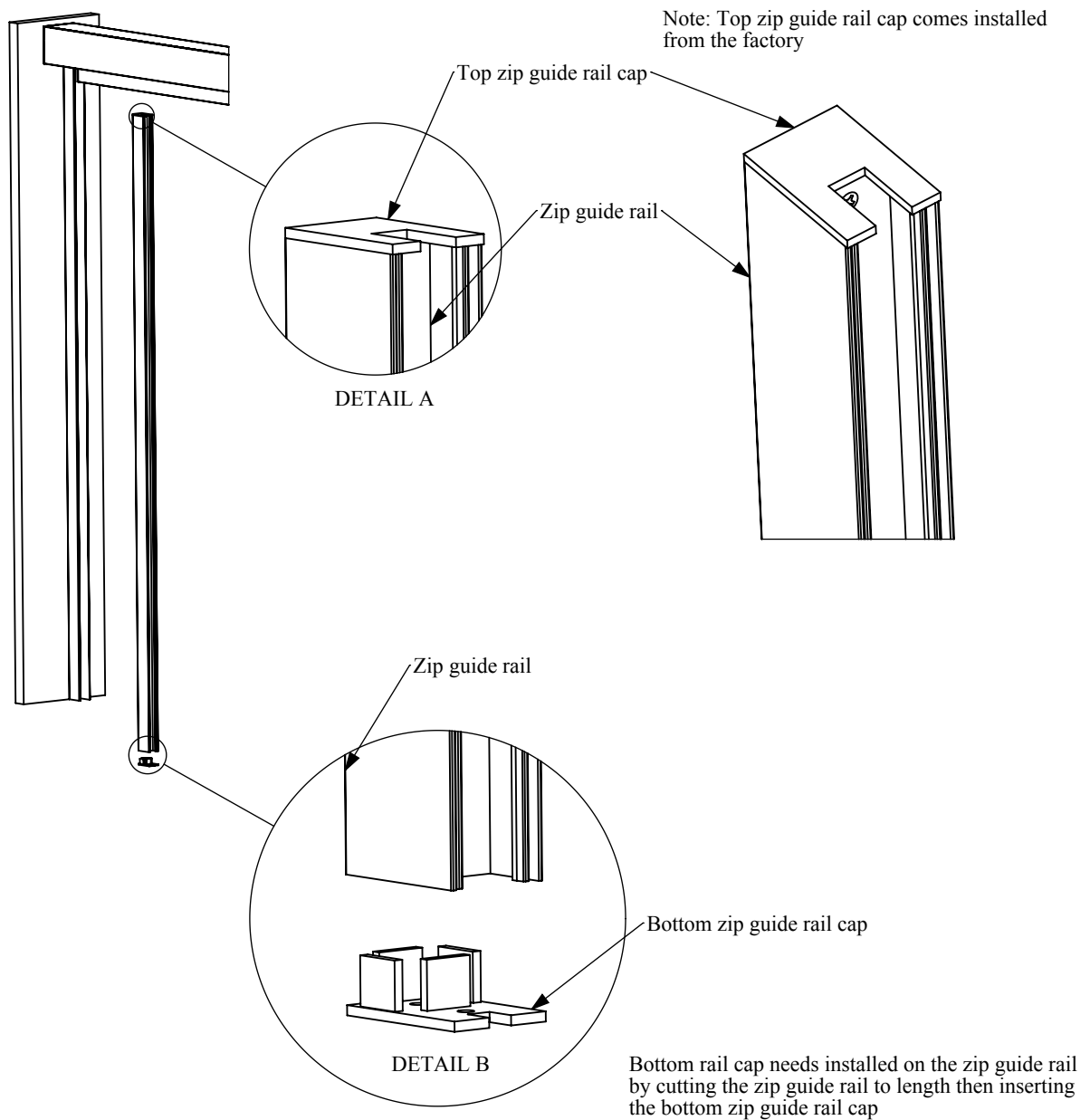


Cutting

1. Measure from the bottom of the housing to the ground. Use that dimension for the outside rail cut to length. (Drawing A)
2. Use the measurement from the outside rail and deduct 1/4" off for the zip guide rail cut to length
3. Cut the zip retainer and the zip guide retainer (PVC parts) to the same length as the zip guide rail



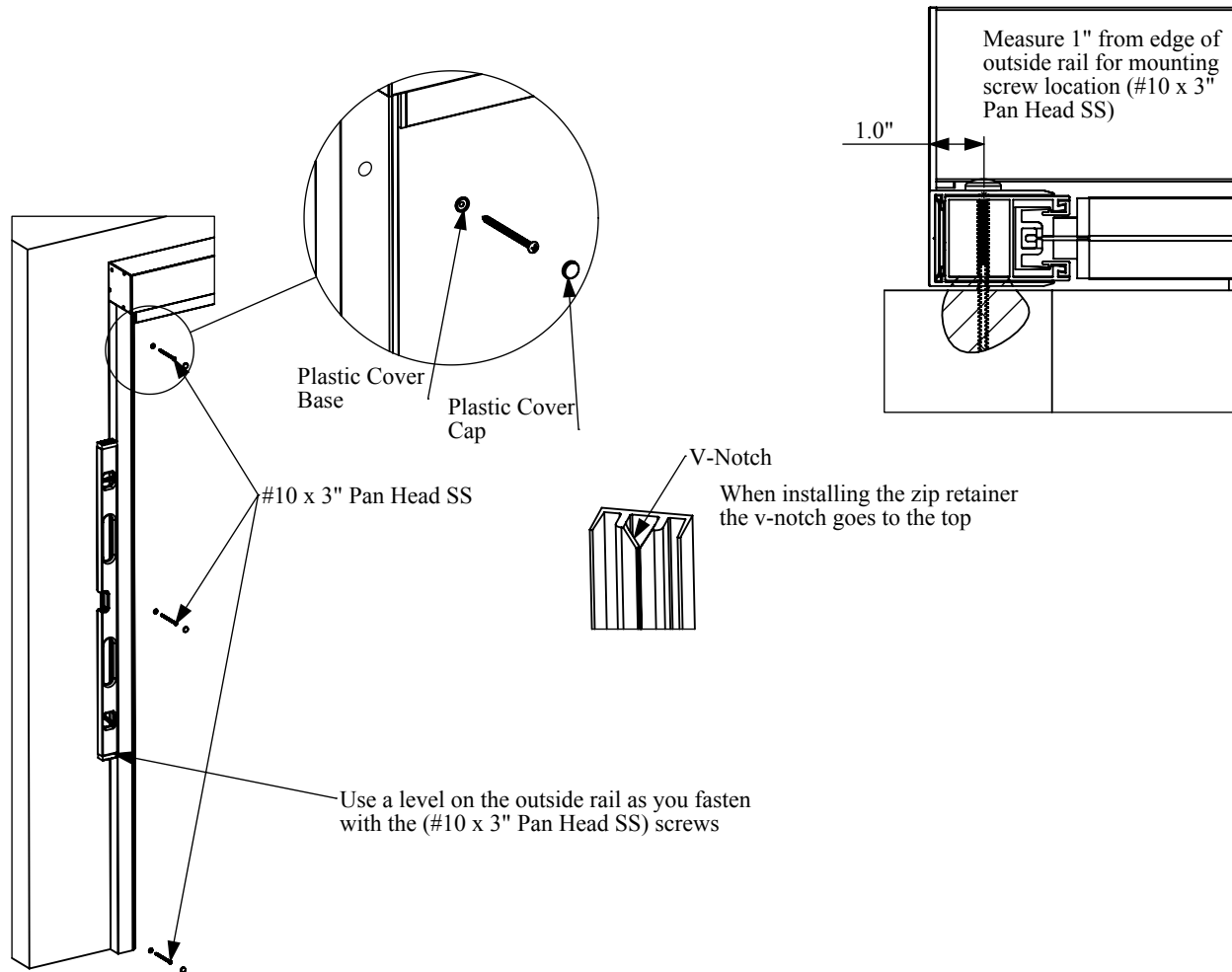
Zip Guide Rail Cap Install



FACE MOUNT RAILS

This install is for mounting the rails on a surface or face mount.

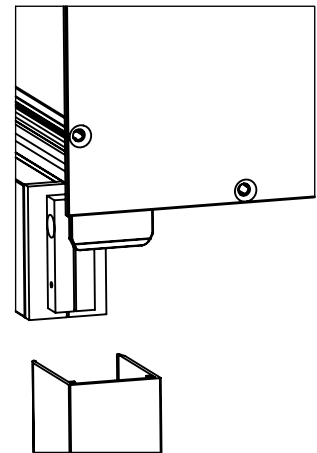
- Once the housing is mounted measure from under the housing cap to the ground to cut the outside rail to length.
 - Take the measurement from the outside rail deduct 1/4" and cut the zip guide rail
 - Use that same dimension from the zip guide rail length and cut the zip retainer and zip guide retainer.
- Note: Do not cut the v-notch off the zip retainer



This type of install is for surface mount (face mount)

1. Install the outside rail into the housing tab
2. Install the zip guide rail
3. Install the zip retainer Note: Install the V-notch at the top. Slide it over the zipper on the edge of the screen.
4. Install power temporarily to align rails before fastening
5. Use a level to align the rails then fasten with (#10 x 3" Pan Head SS) screws with the plastic cover caps and install
6. Install the zip guide retainer last

NOTE: Use 100% silicone spray on the zip guide to help with operation

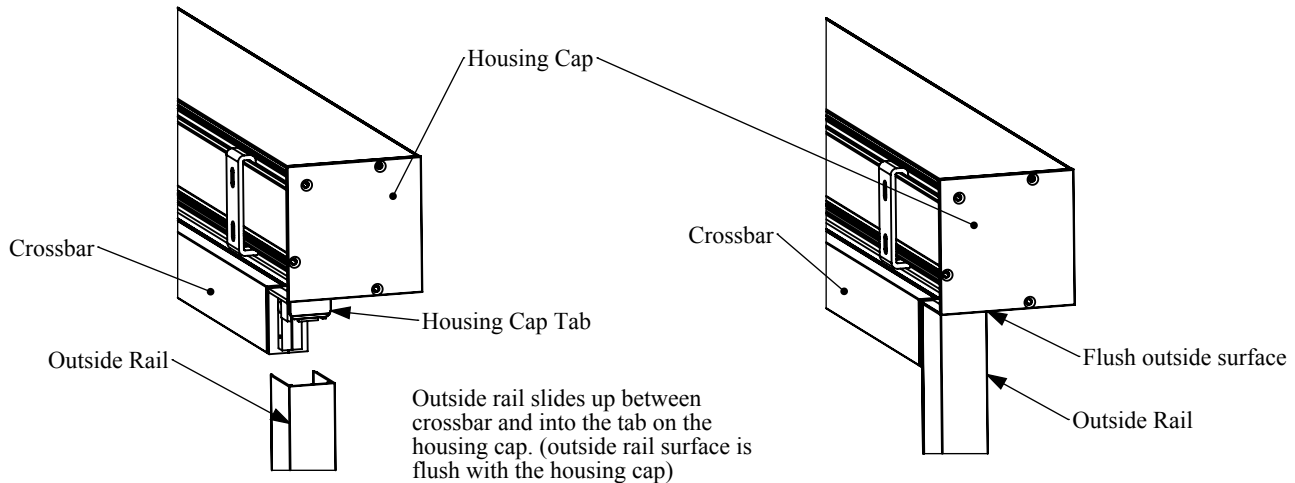


JAMB MOUNT INSTALL

This install is for mounting the rails between jambs or between columns.

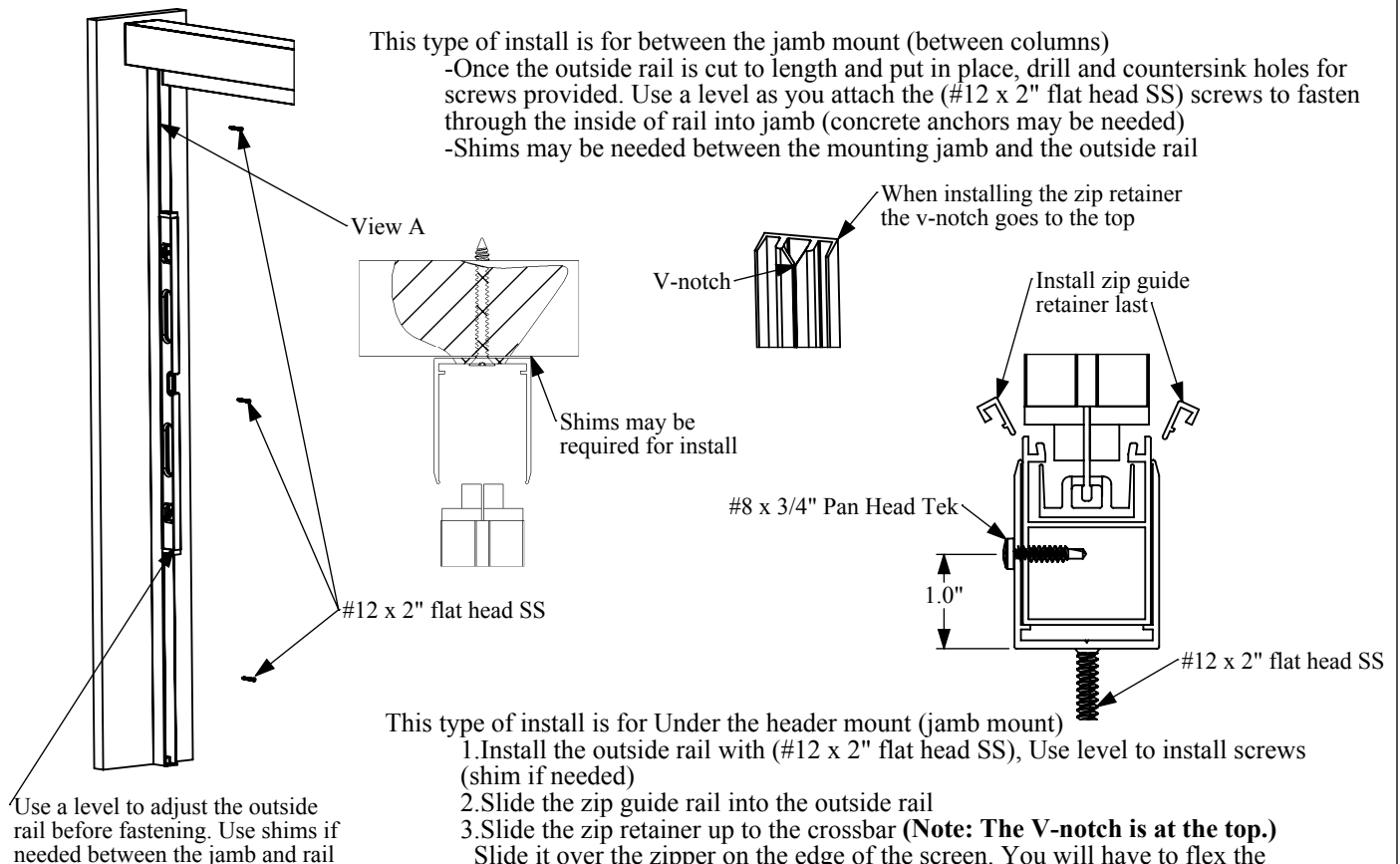
- Once the housing is mounted measure from under the housing cap to the ground to cut the outside rail to length.
- Take the measurement from the outside rail deduct 1/4" and cut the zip guide rail
- Use that same dimension from the zip guide rail length and cut the zip retainer and zip guide retainer.

Note: Do not cut the v notch off the zip retainer



This type of install is for between the jamb mount (between columns)

- Once the outside rail is cut to length and put in place, drill and countersink holes for screws provided. Use a level as you attach the (#12 x 2" flat head SS) screws to fasten through the inside of rail into jamb (concrete anchors may be needed)
- Shims may be needed between the mounting jamb and the outside rail



This type of install is for Under the header mount (jamb mount)

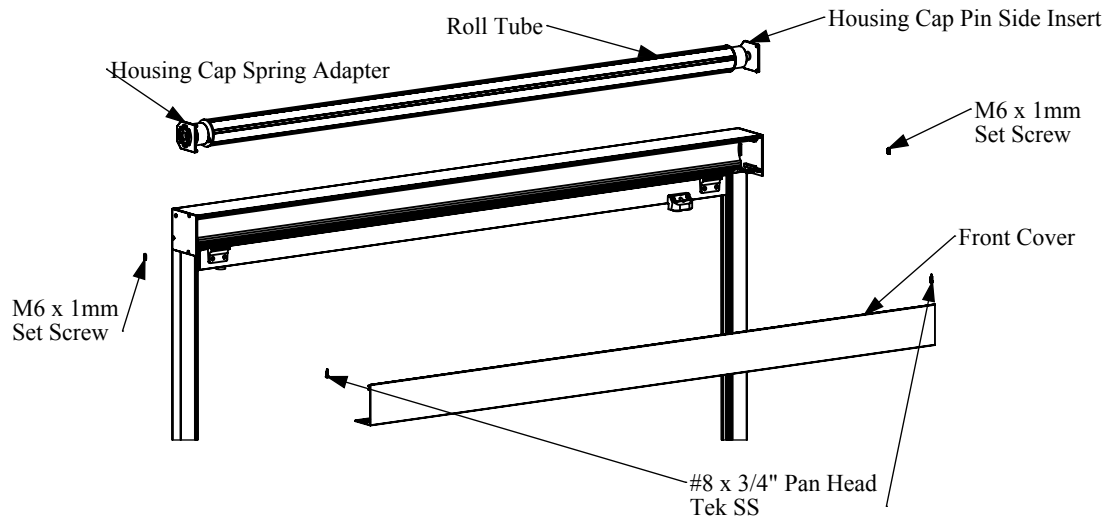
1. Install the outside rail with (#12 x 2" flat head SS), Use level to install screws (shim if needed)
2. Slide the zip guide rail into the outside rail
3. Slide the zip retainer up to the crossbar (**Note: The V-notch is at the top.**) Slide it over the zipper on the edge of the screen. You will have to flex the zip guide in place
4. Install power temporarily to align rails before fastening
5. Use the (#8 x 3/4" Pan Head Tek) screws to fasten the zip guide rail in place
6. Install the zip guide retainers last

NOTE: Use 100% silicone spray on the zip guide to help with operation

REMOVING THE ROLL TUBE

ADDING SPRING TENSION

A spring unit will install the same as a motor unit as far as mounting the housing and rails
The spring unit comes from the factory with tension on the spring. If more or less tension is needed, this will need to be done in the field



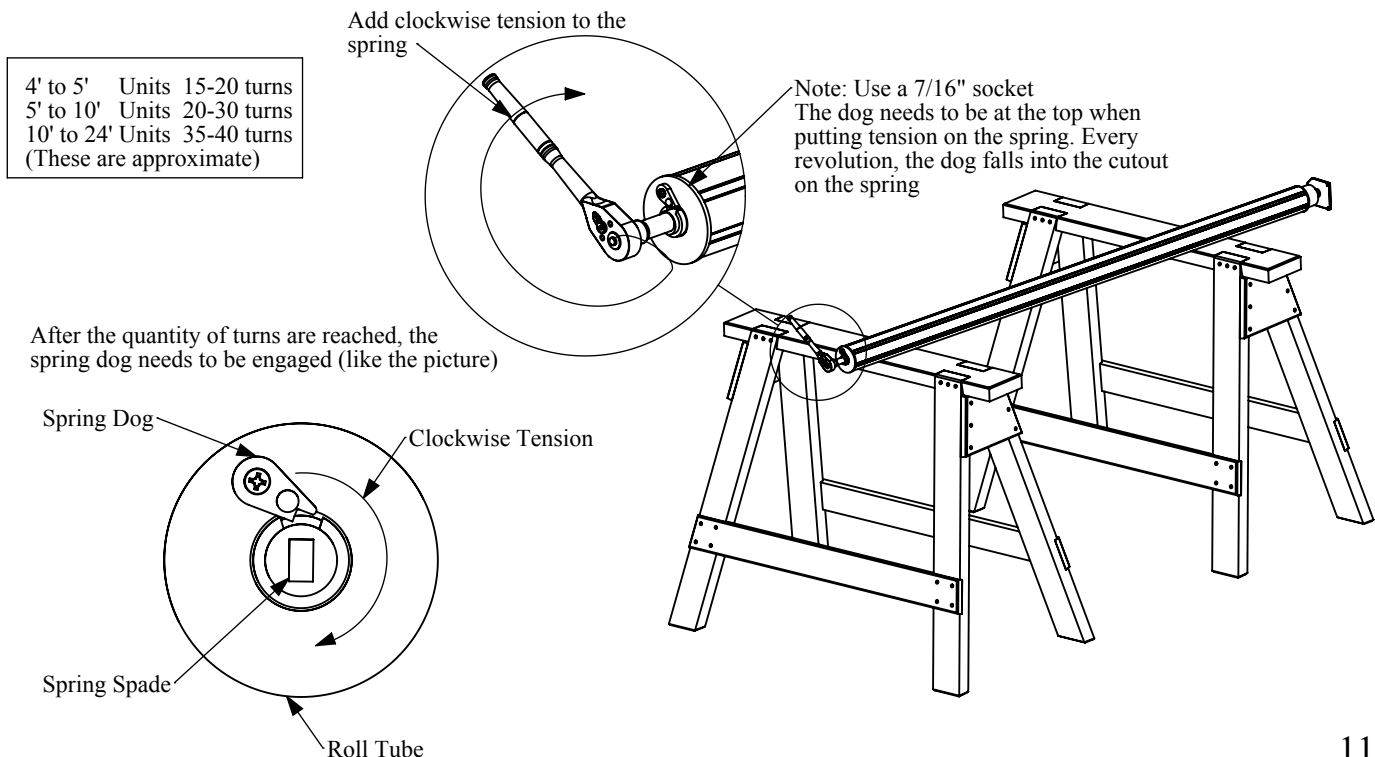
Removing the roll tube and adding or removing tension

1. Remove the screws that hold the front cover on (#8 x 3/4" Pan Head Tek SS) Qty:2
2. Remove the front cover by lifting it up to unhinge it from the back housing
3. Remove the zip guide retainers and the zip retainer
4. Remove the (M6 x 1mm Set Screws) Qty:2. These hold the spring adapter and the pin side insert in the housing cap
5. Slide the roll tube out of the housing.

WARNING *the spring adapter will be under tension from the factory. When removing, one hand needs to hold the spring adapter so it won't fly off the end as you slide it out.*

6. Once out, you can pull the spring adapter off the end of the spring. Make sure to hold onto the spring adapter. The tension will come unwound off the spring.

WARNING *Before adding tension make sure all of the tension is off the spring. If not, failure will occur by*
1. Weak spring 2. Broken spring



INSTALLING THE SPRING ROLL TUBE IN THE HOUSING

Once the tension is put back on the spring you need to install the roll tube

1. Put the pin side idler insert in the roll tube.

2. Put the spring adapter on the end of the spring

WARNING *spring is under tension do not rotate spring adapter*

NOTE: Make sure the dog on the end of the spring is in the down position

3. Slide the unit into the housing caps

4. Use the (M6 x 1mm set screws) to hold the inserts in place

5. Install the zip retainer and zip guide retainers in the rail

Note: Make sure zipper screen edge slides into the zip retainer

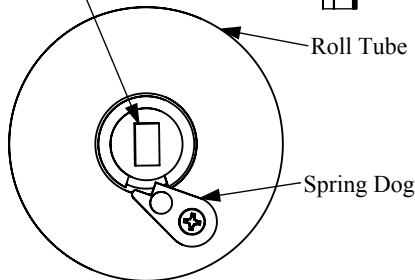
When installing the spring adapter on the end of the roll tube the dog needs to be in the down position

Spring Spade

Roll Tube

Spring Adapter

M6 x 1mm Set Screw



Detail A

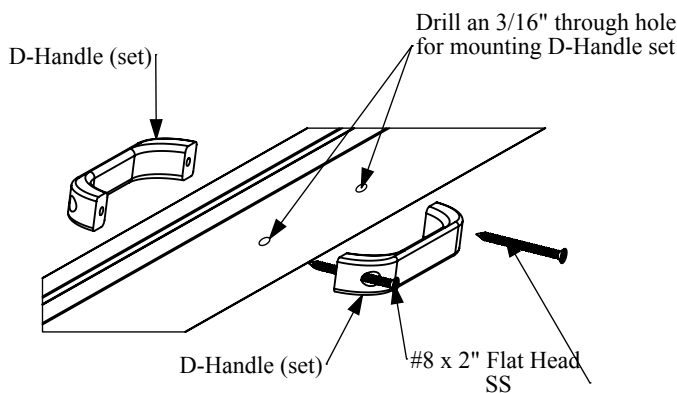
When installing the spring unit back into the housing this is how the end of the spring should look. (Detail A)

1. The spring dog has tension locked in place and is in the down position

2. The spring spade is vertical

Now the spring system is ready to slide into the housing caps

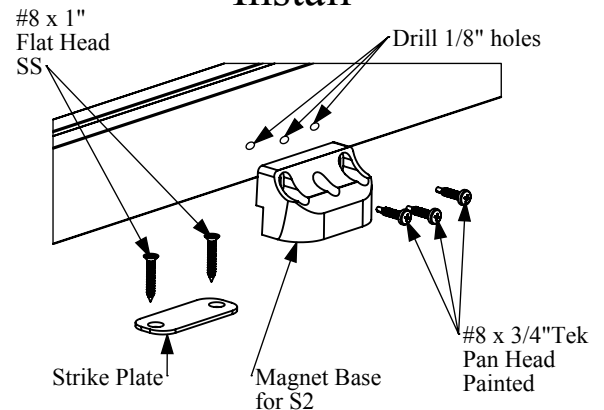
D-Handle Install



NOTE:

If you only want a half D-Handle use the side with through holes and drill 1/8" holes in the side of the crossbar you want the handle on. Use #8 x 3/4" Tek to attach.

Magnet Base & Strike Plate Install

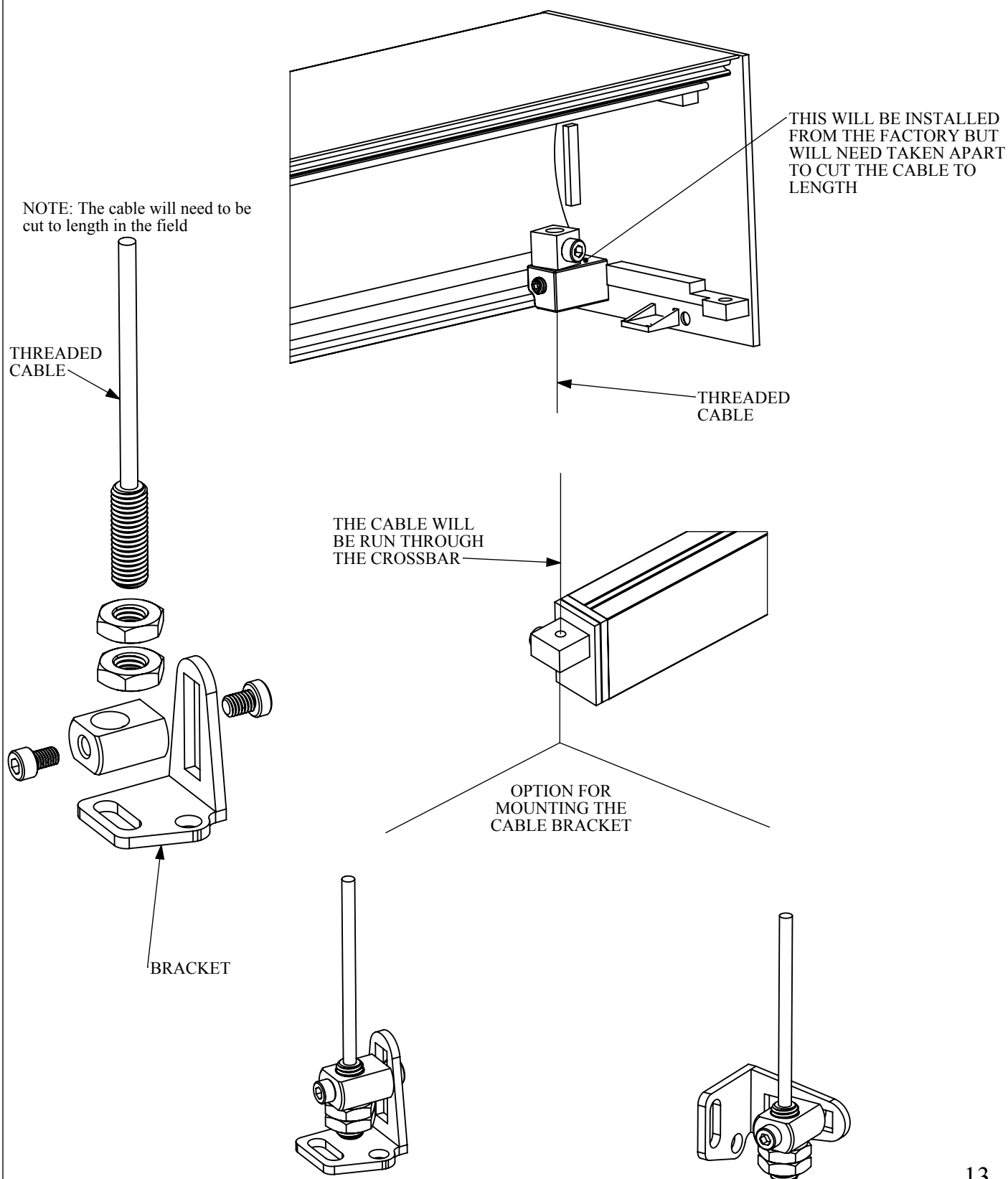


NOTE:

Magnets will be installed on S1 versions. You will only have to mount the strike plate

CABLE SYSTEM ATTACHMENT

When mounting a cable system, The cable attachment inside the housing will be done from the factory. The cable will be through the crossbar cap on both caps. The installer will have to decide how to mount the cable hold down bracket.



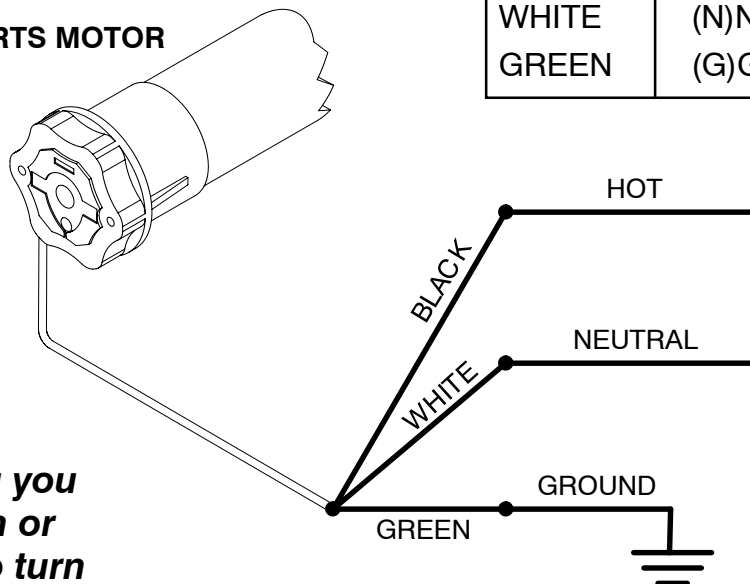
Wiring Instructions for RTS 50mm motor

Hard Wire

50mm RTS MOTOR WIRING COLOR CODE

120V AC	CODE
BLACK	(H)HOT
WHITE	(N)NEUTRAL
GREEN	(G)GROUND

50mm RTS MOTOR



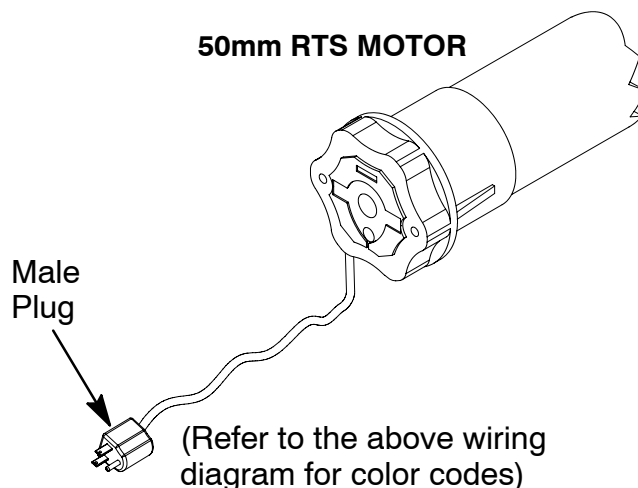
Note:

When hard wiring you will need a switch or plug to be able to turn the power on and off for maintenance

OR

Wall Outlet

50mm RTS MOTOR



IMPORTANT: All wiring must conform to NEC (National Electric Code) and local codes.

☐ You may hard wire your unit (top diagram) or attach a male plug to your pigtail wire (bottom diagram). ***If you hard wire it you will need to turn it on and off for maintenance.***

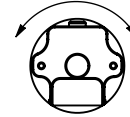
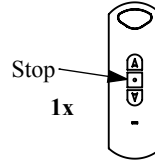
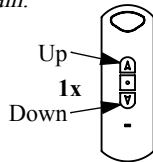
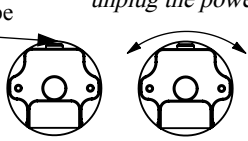
LIMIT SETTING

Only have the power connected to one motor at a time

1. Assigning a remote to a motor (note: only works on the first remote)

Method A. As you apply power the first time be ready with the remote to start the process you have (10 sec). If you take longer you can just unplug the power and try again.

Roll Tube
Motor



The remote will now work with the motor

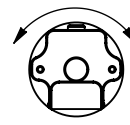
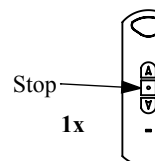
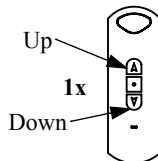
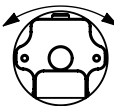
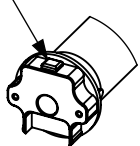
Connect power to the motor the roll tube will vibrate or jog. You have 10 seconds to complete the next step

Press the Up and Down buttons simultaneously, then release

Press the Stop button 1 time, the motor will vibrate or jog

Method B. In order to use this method you have to remove the front cover to access the red button on the motor head.

Red button on the motor



The remote will now work with the motor

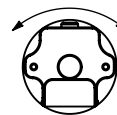
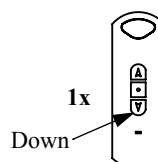
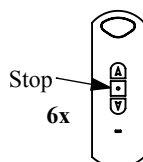
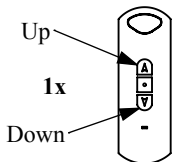
Press the red button on the motor for 1 second, the motor will vibrate or jog

Press the Up and Down buttons simultaneously, then release

Press the Stop button 1 time, the motor will vibrate or jog

2. Checking the direction of the motor and changing if needed

Note: When you push the Up or the Down button to check the direction of the motor the screen will start traveling in that direction. You need to push the Stop button before you change the direction. Direction of the motor can be changed even after the limits are set



Press the Up and Down buttons simultaneously, then release

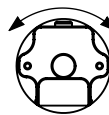
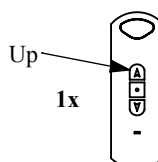
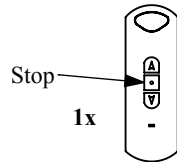
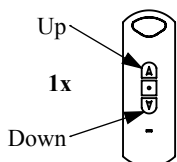
Press the Stop button 6 times

Press the Down button 1 time, the motor will vibrate

The Up and Down direction of the motor have been reversed

3. Turn on "Step by Step" mode

Note: "Step by Step" mode allows the motor to move fractions of an inch when the Up and Down buttons are pushed. When the Up and Down buttons are released the screen stops moving



The motor is now in "Step by Step" mode

Press the Up and Down buttons simultaneously, then release

Press the Stop button 1 time

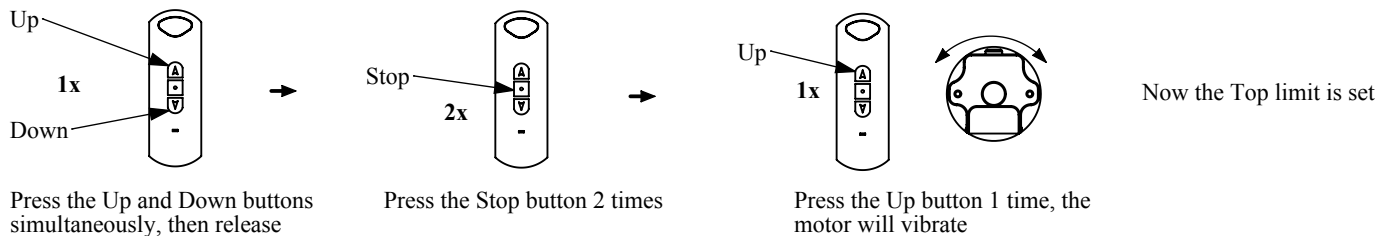
Press the Up button 1 time, the motor will vibrate

LIMIT SETTING

Only have the power connected to one motor at a time

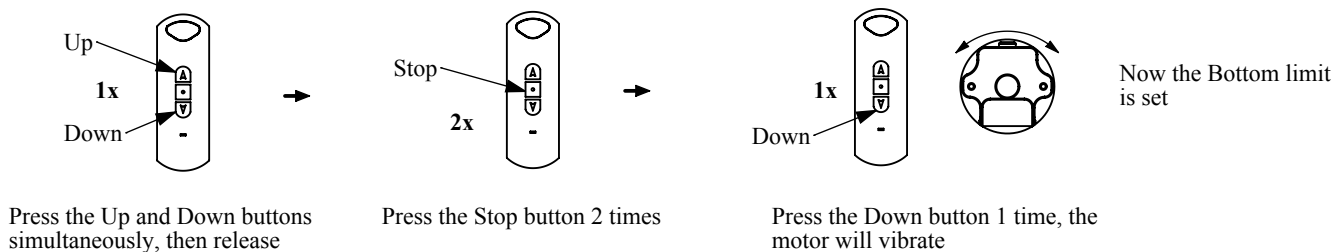
4. Setting the Top limit

To set the Upper limit, adjust the crossbar to the location you want the Upper limit to be



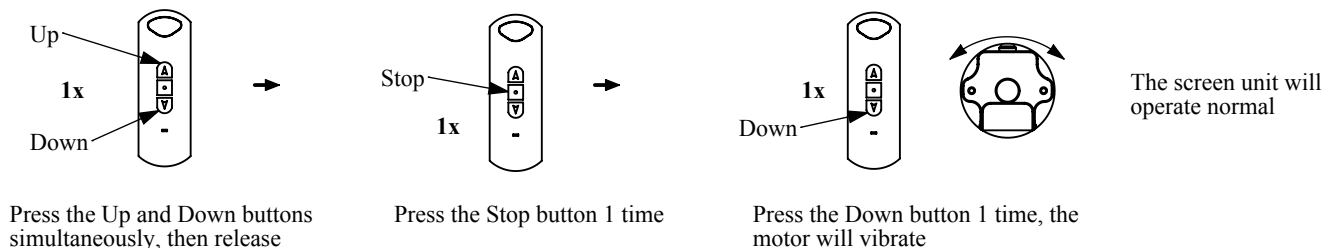
5. Setting the Bottom limit

To set the Bottom limit, adjust the crossbar to the location you want the Bottom limit to be



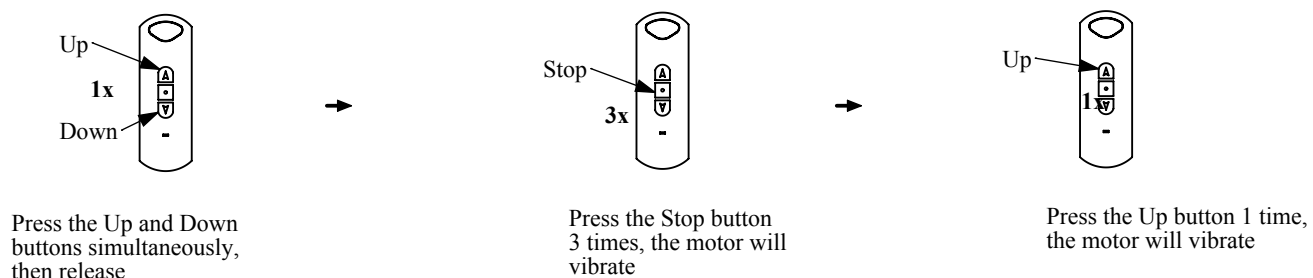
6. Turn off "Step by Step"

During Step by Step mode if you hold a direction button more than 2 sec the screen will continue to run after you let go of the button until you push the stop button which will put it back to Step by Step



Turn on Obstacle Detection mode

This step makes sure the Obstacle Detection is on. This will detect if anything is under the screen when it touches the object it will stop then travel back up 12" and try going down again. If it touches the object again it will repeat this process 3 times then it will just stop 12" above the object waiting for you to clear the object and push Down

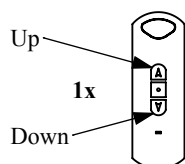


DELETING LIMITS

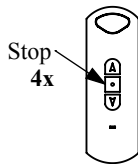
Only have the power connected to one motor at a time

Deleting the Top limit

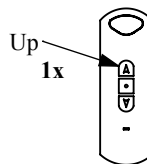
This step will delete the Upper limit only



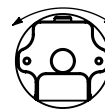
Press the Up and Down buttons simultaneously, then release



Press the Stop button 4 times



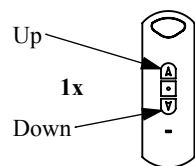
Press the Up button 1 time, the motor will vibrate



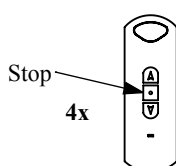
The Top limit is now deleted. To set a new Top limit skip to step 4

Deleting the Bottom limit

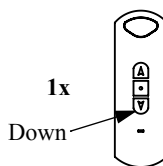
This step will delete the Lower limit only



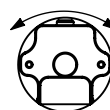
Press the Up and Down buttons simultaneously, then release



Press the Stop button 4 times



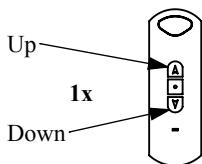
Press the Down button 1 time, the motor will vibrate



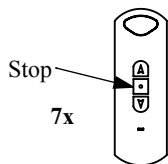
The Bottom limit is now deleted. To set a new Bottom limit skip to step 5

Deleting a remote (or channel) from a motor

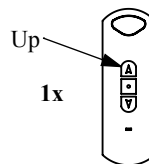
This will delete only the remote you are using in your hand



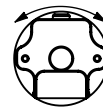
Press the Up and Down buttons simultaneously, then release



Press the Stop button 7 times



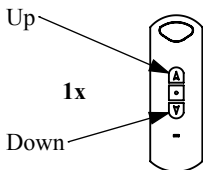
Press the Up button 1 time, the motor will vibrate



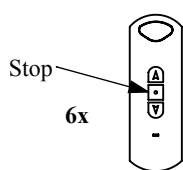
After this step start over setting the limits

Deleting everything saved to this motor

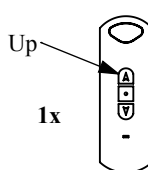
WARNING: This step will delete everything saved to this motor and set it back to factory settings



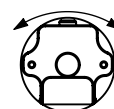
Press the Up and Down buttons simultaneously, then release



Press the Stop button 6 times



Press the Up button 1 time, the motor will vibrate



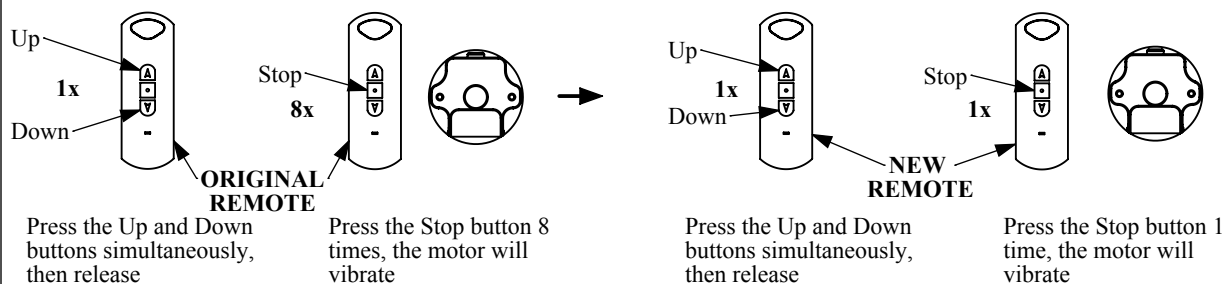
After this step the motor will have no memory and will be back to factory mode. Ready to start setting limits

LIMIT SETTING

Only have the power connected to one motor at a time

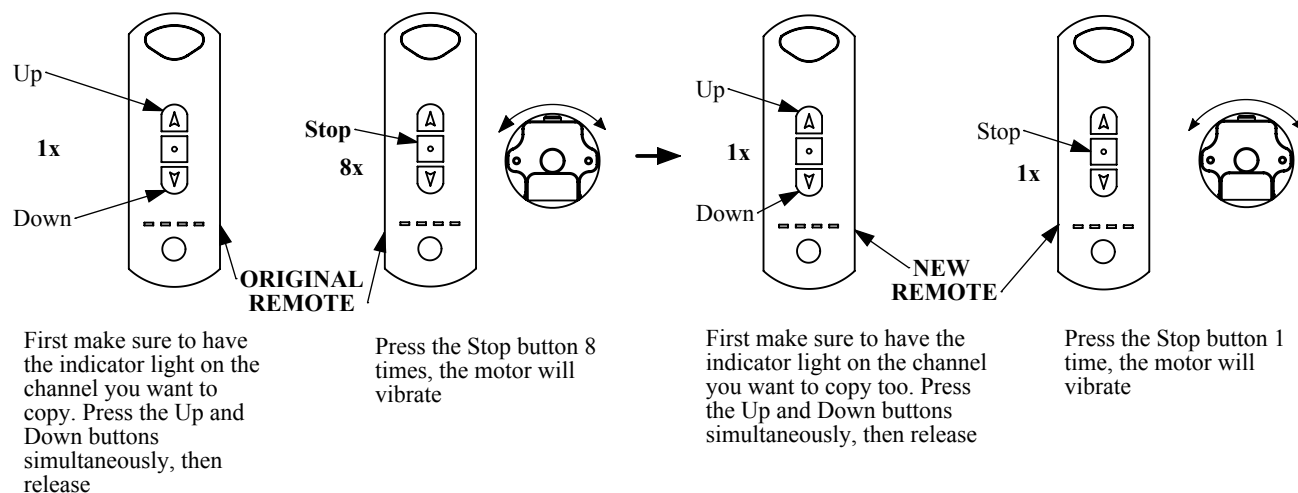
Adding a remote

This step will copy the remote you used to set the limits and create a duplicate



Copying a channel

This will copy individual channels to another multi channel remote



Indicator Lights
each light represents
a channel, when all
lights are on that
means all units will
complete the task of
the button pushed

Toggle Button
moves between each
indicator light

