Spiral® SST and STT Prewire Installation Manual Rytec. installation safety information

The meaning of signal words

Summary



Technical content produced by Rytec includes safety information which must be read, understood and obeyed to reduce the risk of death, personal injury or equipment damage. This information is boxed to set it apart from other text. The boxed text identifies the nature of the hazard and appropriate steps to avoid it.

The safety alert symbol identifies a situation that can result in personal injury. The accompanying signal word indicates the likelihood and potential severity of the injury. The meaning of the signal words is as follows:



Warning indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

Caution indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

Safety icons used in this manual

Fall Crush Shock hazard hazard



hazard

Installation safety

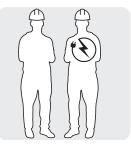
- Do not install any Rytec product until you have read and understood the safety information and instructions. Make sure all applicable regulations are observed and obeyed at all times.
- Observe these precautions while installing the door:
 - Only trained, gualified and authorized individuals are to install the door and the control system.
 - ^I The installation site comprises the physical area required to safely uncrate, stage and install the door.
 - Make sure all personnel at the installation site have been informed of the date, time and location of the installation.
 - Make sure there is no pedestrian or vehicular traffic within the installation site for the duration of the installation.
 - ^I Make sure you have and use all required Personal Protective Equipment.
 - Make sure you have adequate personnel and equipment to safely perform all lifts.
 - Make sure you have been informed of any hazardous conditions that exist within the installation site.
 - Make sure the installation site is kept clear of obstructions and debris and that the floor is dry.
 - Make sure you are aware of the location of all power lines, piping and HVAC systems within the installation site.
 - Make sure all accessories installed with the door are approved by the manufacturer.

Other icons used in this manual



Indicates instructions which, if not followed, could result in damage to the door or voiding of the warranty.

Requirements – Staffing

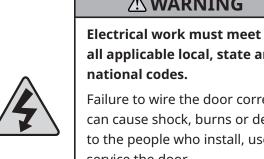


A licensed electrician is recommended for making all electrical connections

Two installers

Electrician's responsibilities

Refer to the Rytec System 4[®] Drive & Control Installation & Owner's Manual for a complete list of the electrician's responsibilities.



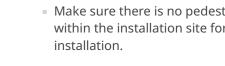
all applicable local, state and national codes. Failure to wire the door correctly

can cause shock, burns or death to the people who install, use or service the door.

Failure to comply also voids the warranty for the door.

Requirements – Site Conditions

- Installers must have unrestricted access to the door opening at all times during the installation.
- Make sure there is no pedestrian or vehicular traffic within the installation site for the duration of the installation.





Indicates best practice.

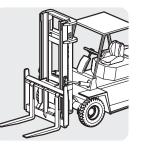
This is how Rytec Technical Support does the job.

Requirements – Lifts



A forklift is mandatory for the safe and proper installation of this door.

Forklift that meets the following specifications:



- Minimum 4,000-pound lift capacity
- Minimum height ability: door height + 12"
- 48"-wide fork
- Side shift capability



Follow all safety instructions on all lifts and ladders used for this installation.

Scissor lift that meets the following specifications:



- Can hold both installers
- Minimum height ability: door height

Alternatively, two ladders of sufficient height to safely access the door head assembly

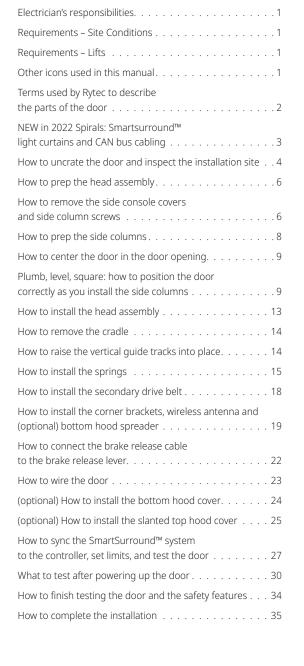


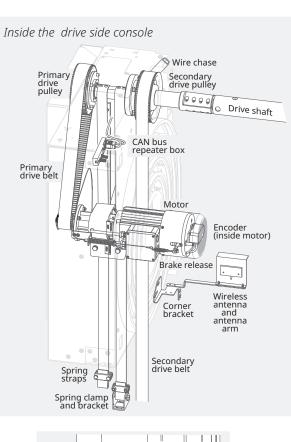
Table of Contents

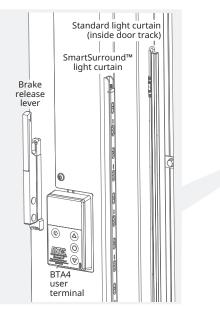
Terms used by Rytec to describe the parts of the door

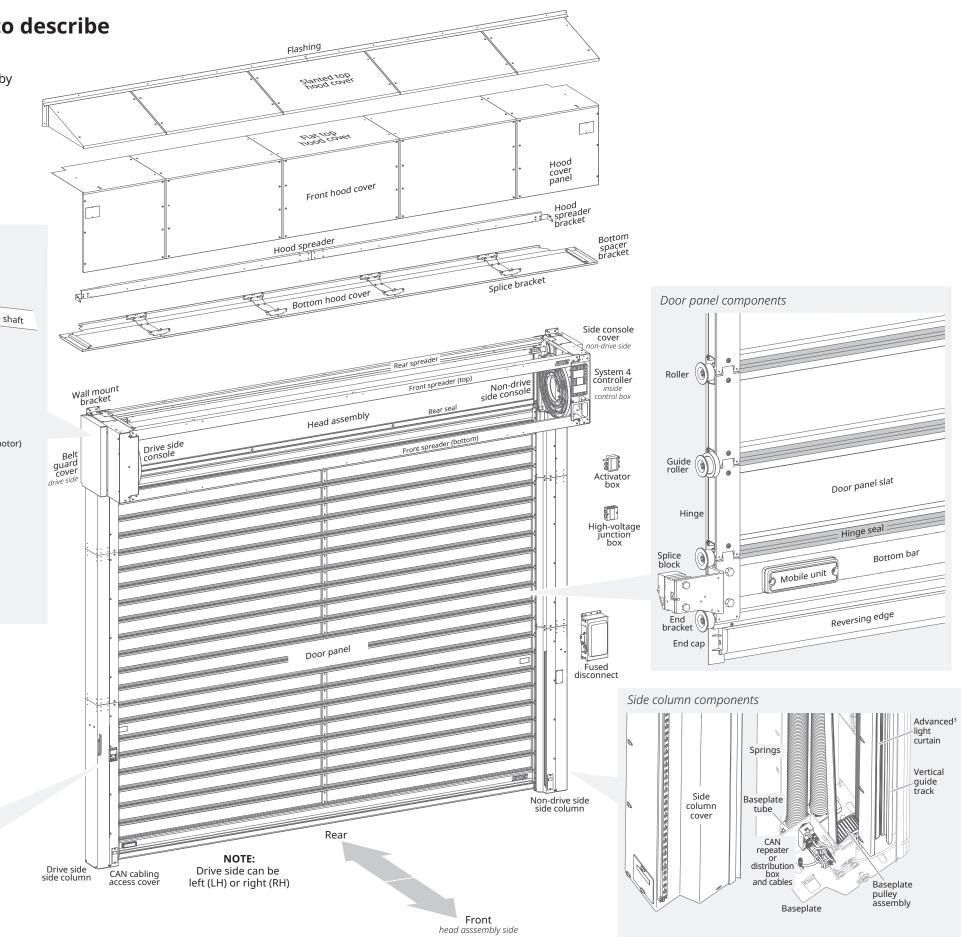
This illustration shows the terms used by Rytec technical support to refer to the major components of your door.

Using these terms helps technical support provide assistance as quickly as possible.









NEW in 2022 Spirals: Smartsurround[™] light curtains and CAN bus cabling

Two new features have been added to Spirals in 2022, both of which change the installation process.

CAN bus cabling

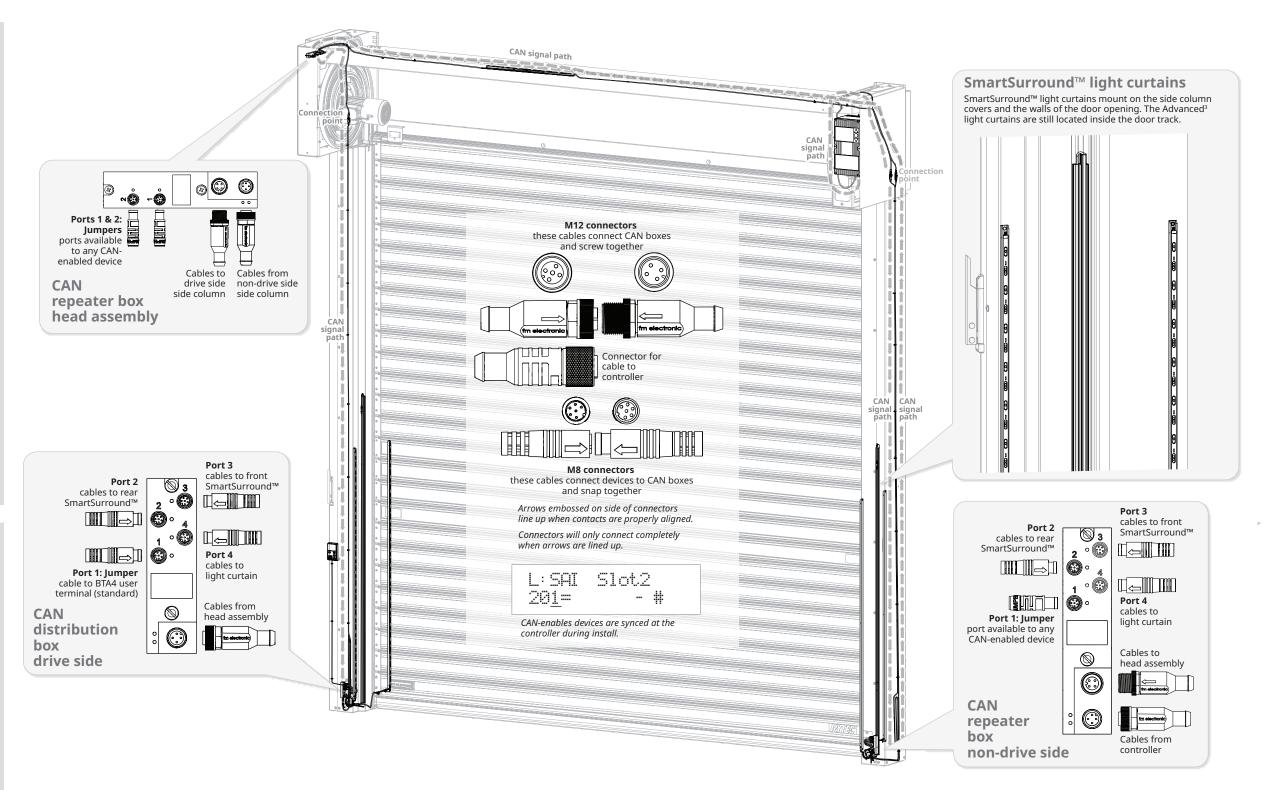
The CAN bus system simplifies cabling and minimizes internal field wiring during installation. the system works this way:

- CAN bus cabling is a single chain (series) of cables that connect ALL CAN-enabled devices to the controller.
- The cabling starts at the controller and runs through the CAN repeater box at the base of the non-drive side side column, then across the rear spreader to the CAN repeater box in the head assembly, then terminates at the CAN distribution box at the base of the drive side side colum.
- CAN-enabled Rytec devices can plug into any available port in any CAN box. For example, the CAN-enabled BTA4 user terminal plugs into a baseplate port when preintalled on the side column, or a head assembly port if it is field installed remotely from the door.
- Ports must be jumpered if they are not connected to a device so that the signal path remains unbroken until it terminates at the distribution box.

SmartSurround[™] light curtains

The SmartSurround[™] light curtains replace the Pathwatch LED strips, and combine the function of a light curtain and an alert system.

- Spiral doors now have three light curtain detection planes. The front SmartSurrounds™ are mounted on the side column covers. The rear units are field installed on the walls of the door opening.
- The LEDs are larger and brighter than the Pathwatch, and display a sequence of lights that move up and down when the door opens and closes, and that flash repeatedly whenever any of the detection planes are broken.



3

Spiral[®] Installation Manual for SST (Solid Panel) and STT (Full Vision Panel) Prewire Models

call 800-628-1909 or email helpdesk@rytecdoors.com

if you have any questions during this installation. See previous page for list of Rytec terms for the parts of the door.

How to uncrate the door and inspect the installation site



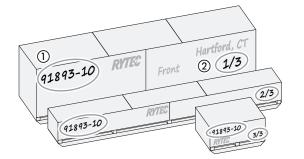
Spirals ship in two crates (three if there is a slanted hood cover).

Each set of crates is marked with the unique serial number for the door ① and the number of crates used for the door 2.

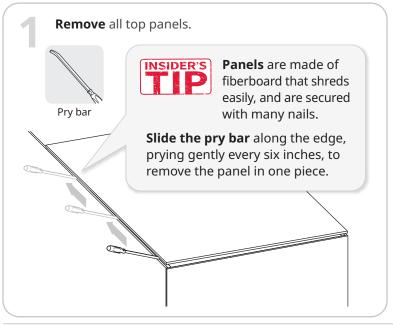
All parts for the door are in these crates.

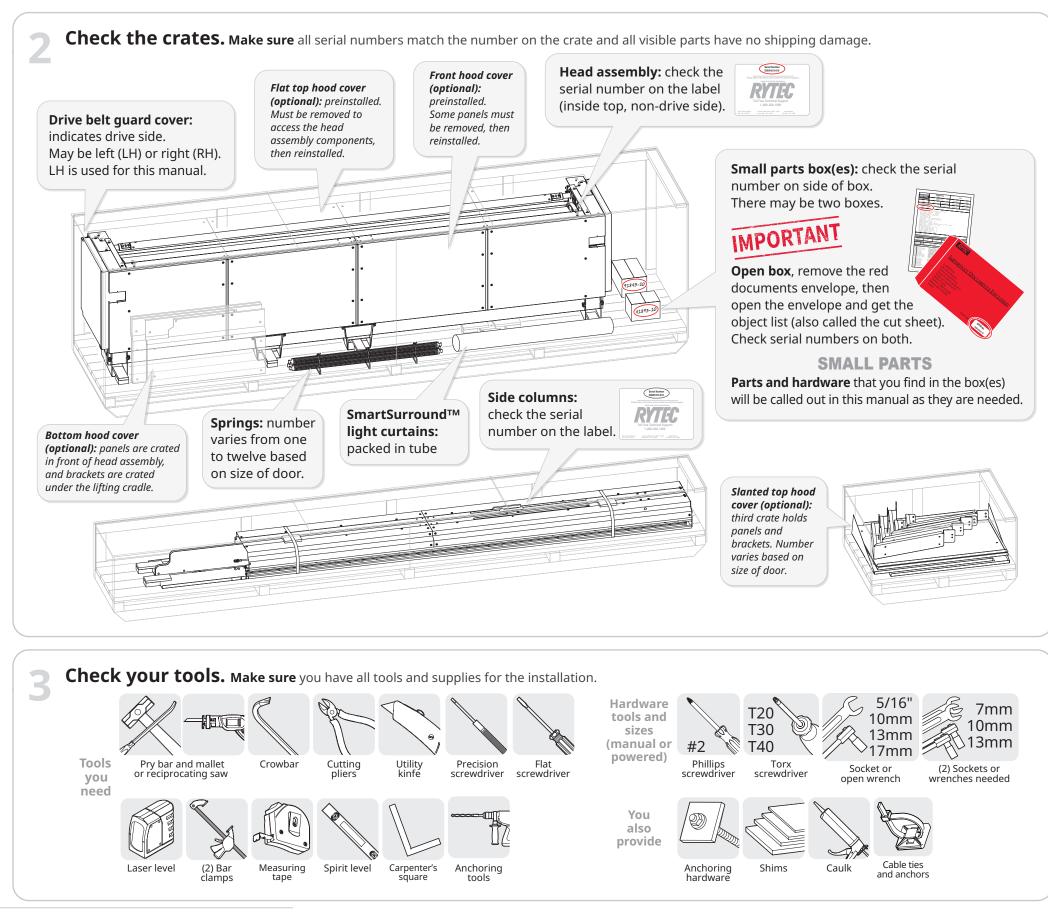
If more than one door is to be installed,

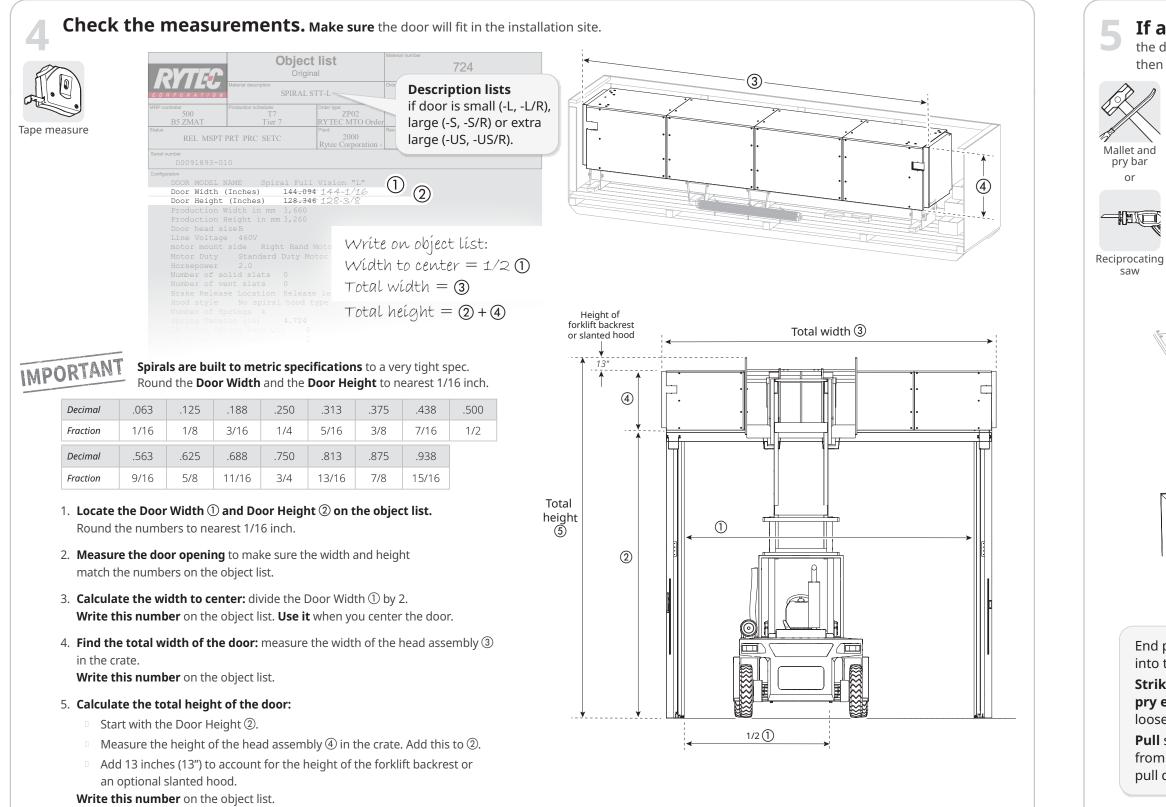
treat each set of crates as a separate installation.



Mixing parts from different doors voids the warranty for all doors in the installation.







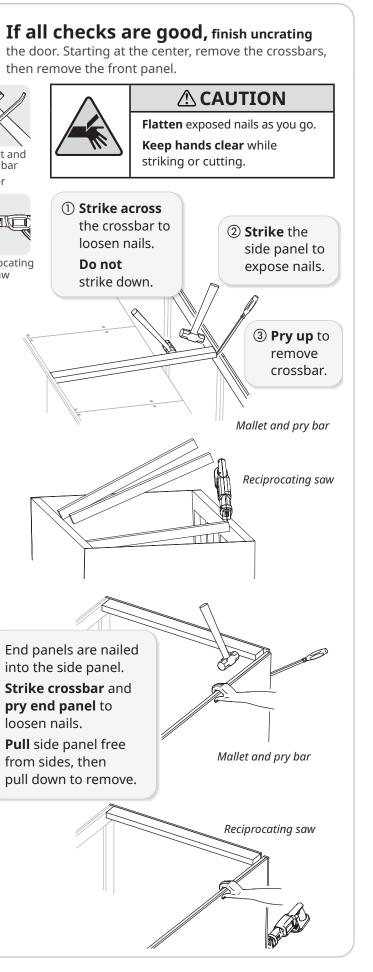
or email helpdesk@rytecdoors.com

6. Make sure there is enough space to lift the door: make sure the site

has space for the total width and the total height you calculated.

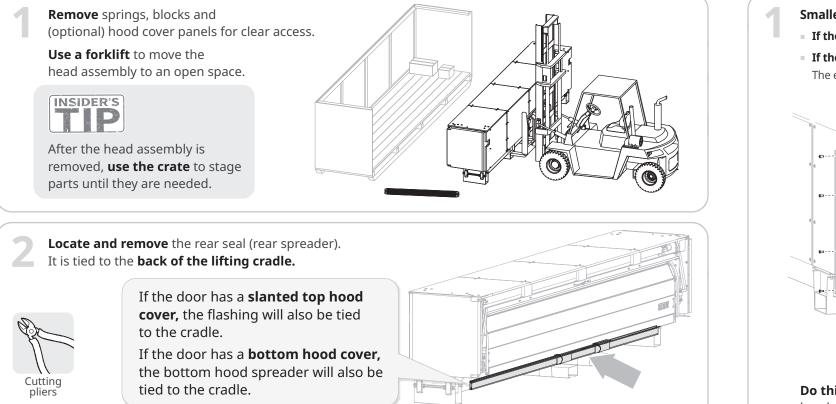
if you have any questions about the measurements at the site.

Call Rytec technical support at 800-628-1909



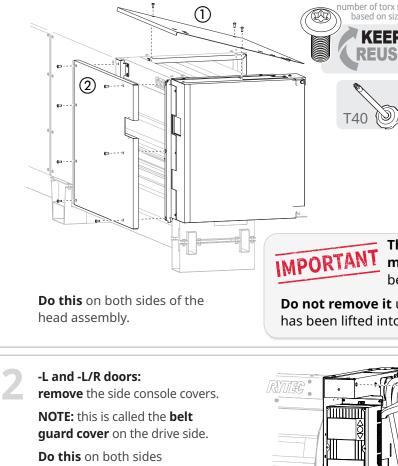
5

How to prep the head assembly



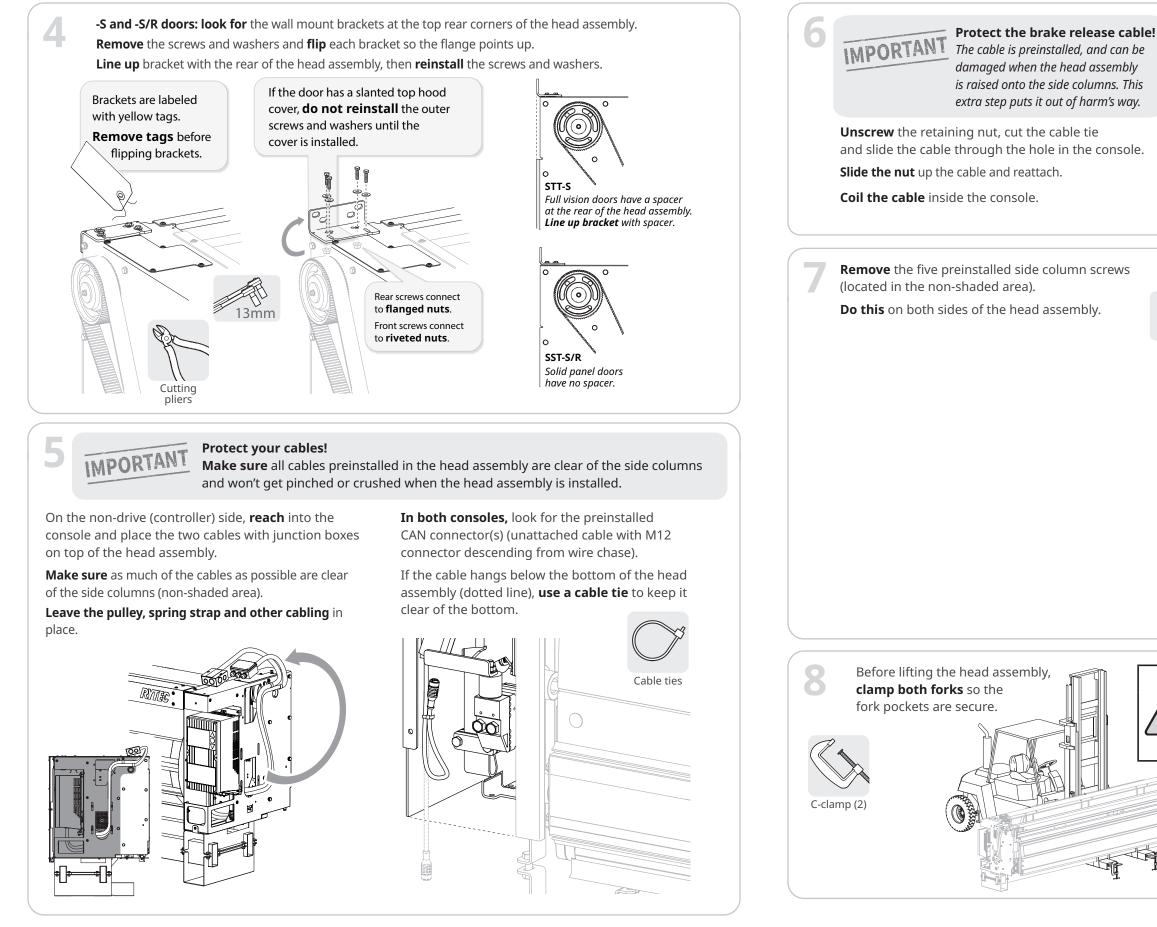
How to remove the side console covers and side column screws

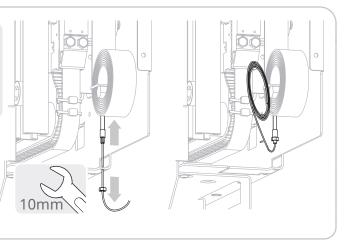
- Smaller (-L and -L/R) doors: remove the front console cover ④ to access the top screw for the belt cover. • If the door has a preinstalled flat top hood cover ①, remove this end panels first. • If the door has a preinstalled front hood cover ②, remove this end panels next. The end spacer bracket 3 is removed with the console cover. mber of torx screws varies based on size of door 1 **KEEP** (2) т4(The screw that secures the IMPORTANT mounting cradle is preinstalled behind the cover and bracket. **Do this** on both sides of the Do not remove it until the head assembly head assembly. has been lifted into place. -L and -L/R doors: remove the side console covers. **NOTE:** this is called the **belt** guard cover on the drive side. T40 **Do this** on both sides of the head assembly. μġ 13mm -S and -S/R doors: remove the side console covers. **Do this** on both sides of the head assembly. You do not need to remove the front cover. INSIDER'S Removing the non-drive (controller) side front cover may make the installation easier. • To do this, follow Step 1 for **KEEP** Reuse smaller (-L,-L/R) doors.

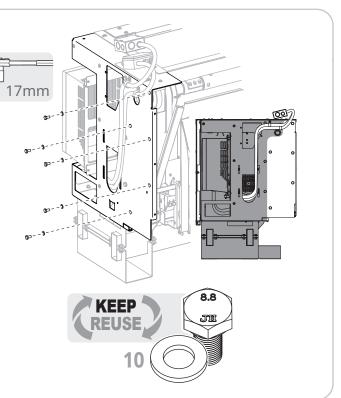


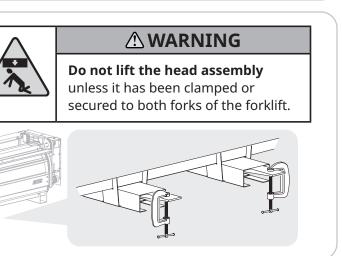






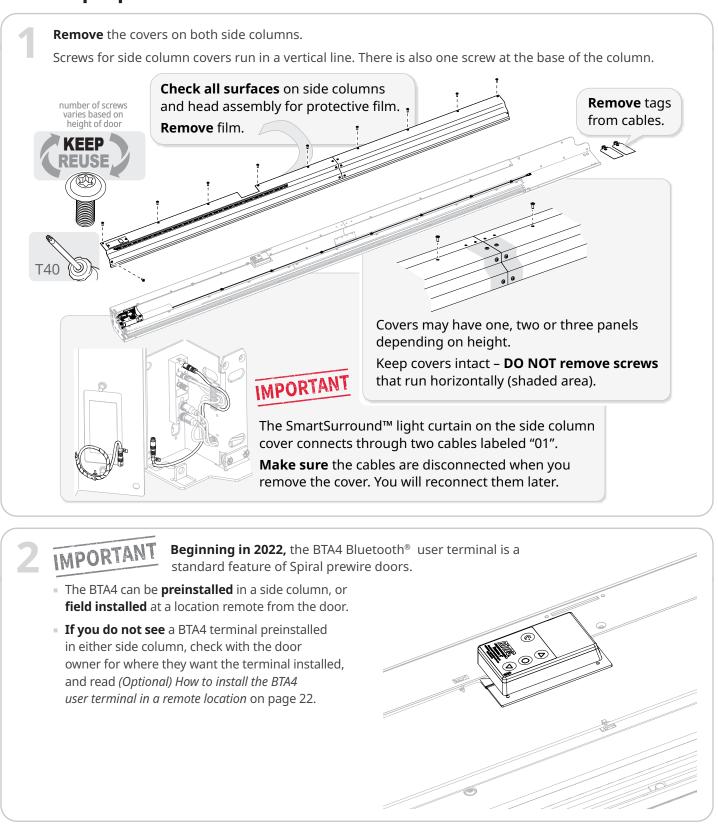


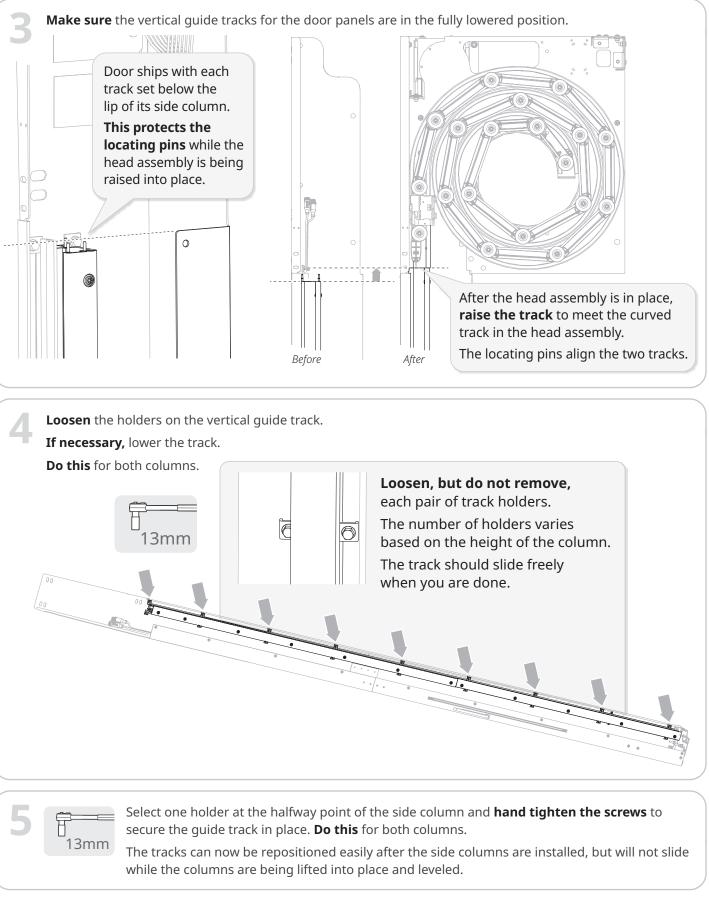






How to prep the side columns





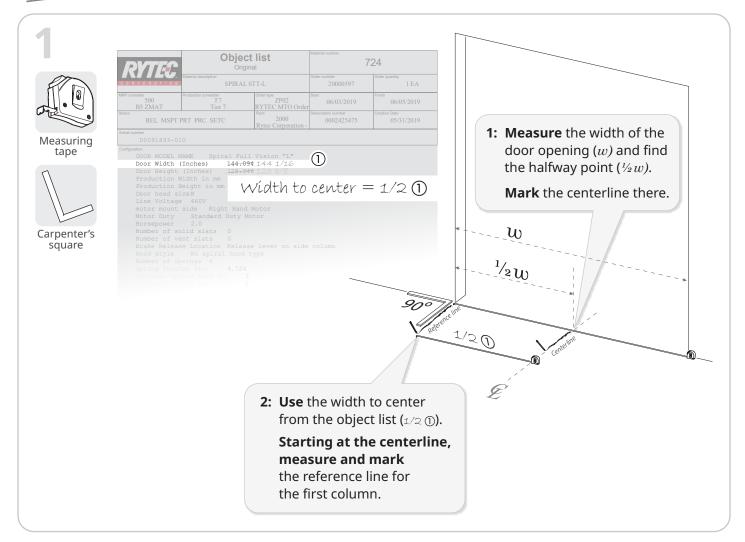




How to center the door in the door opening

IMPORTANT

Rytec doors are engineered to be centered in the door opening, so follow these steps even if the width of the opening and the production width match exactly.

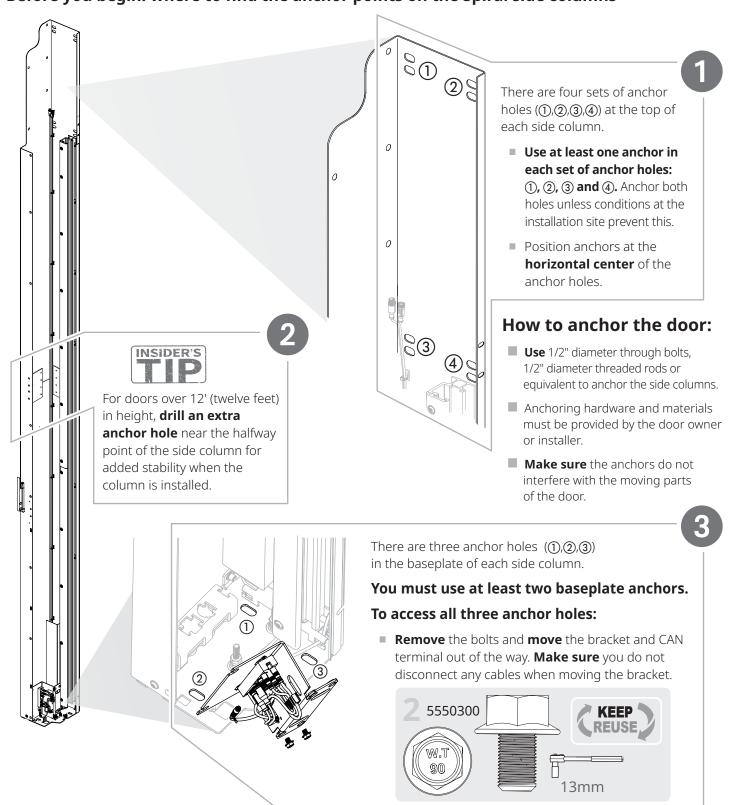


Plumb, level, square: how to position the door correctly as you install the side columns

IMPORTANT

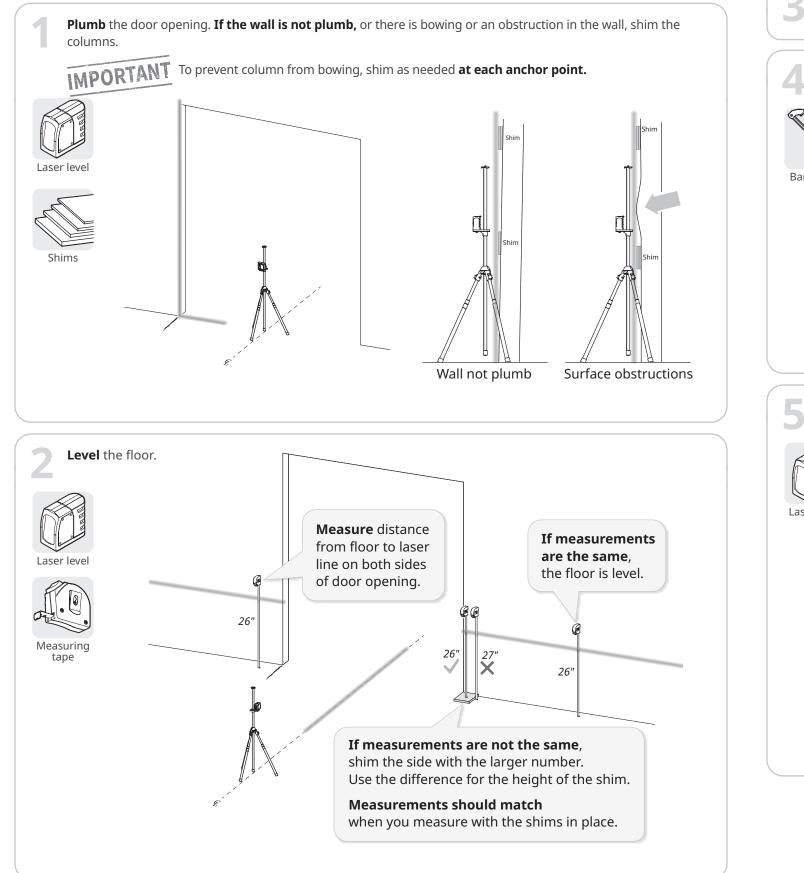
Call Rytec technical support at 800-628-1909 immediately and stop the installation if you are not able to correctly position the door.

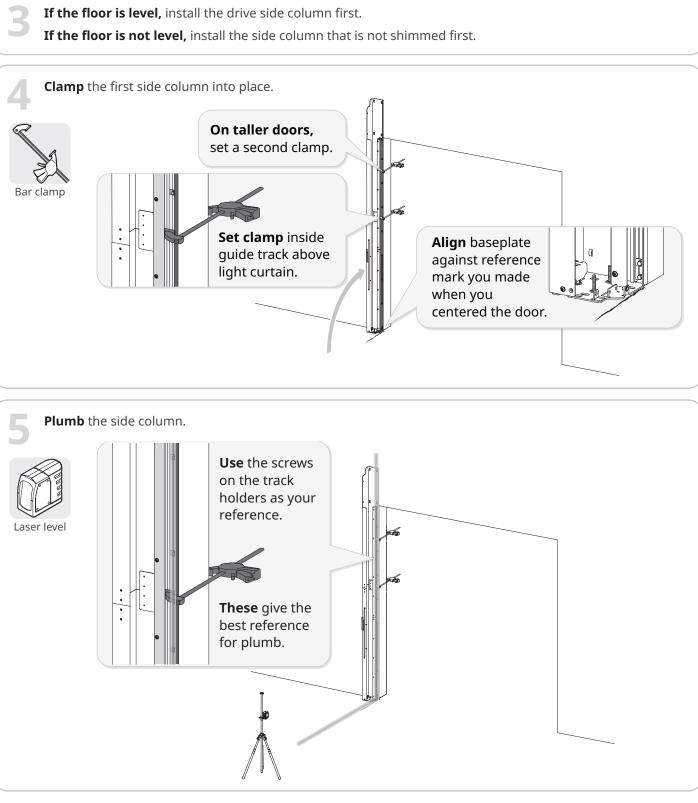
Before you begin: where to find the anchor points on the Spiral side columns





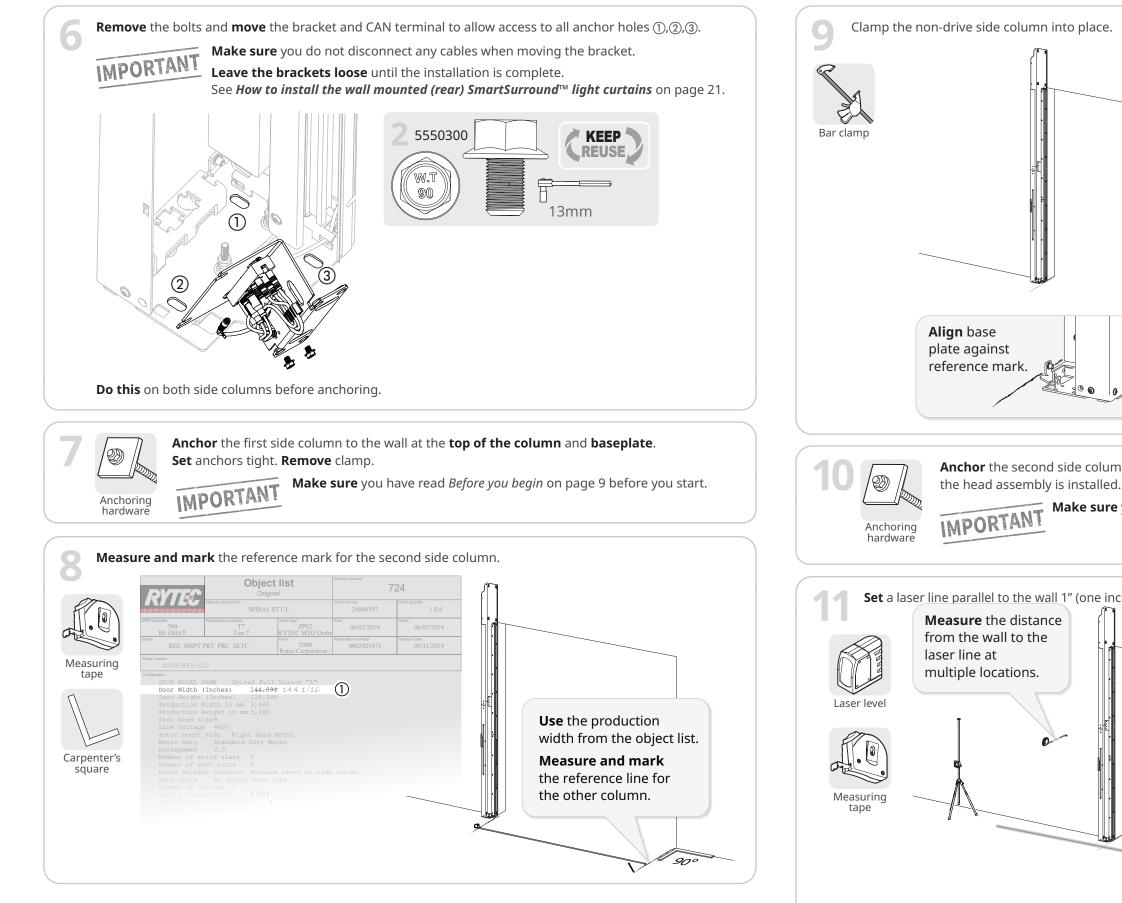
Step 1: Plumb and level the site, then install and plumb the side columns

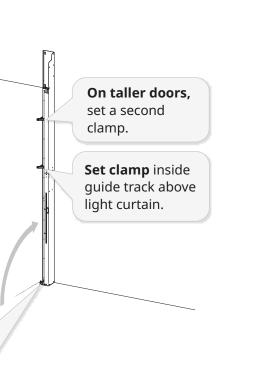






Spiral[®] SST and STT Prewire Installation Manual



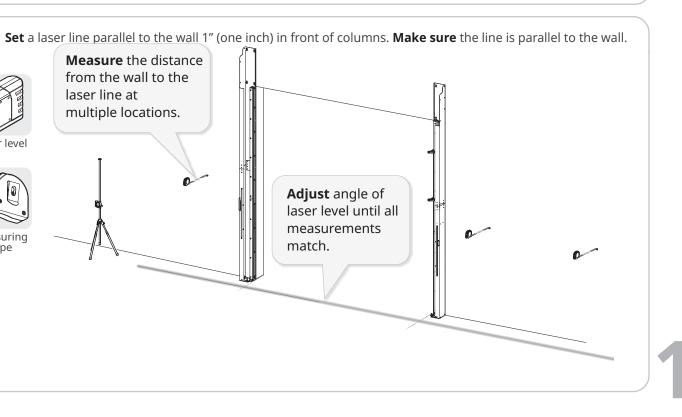


Anchor the second side column to the wall, but DO NOT SET ANCHORS TIGHT until after

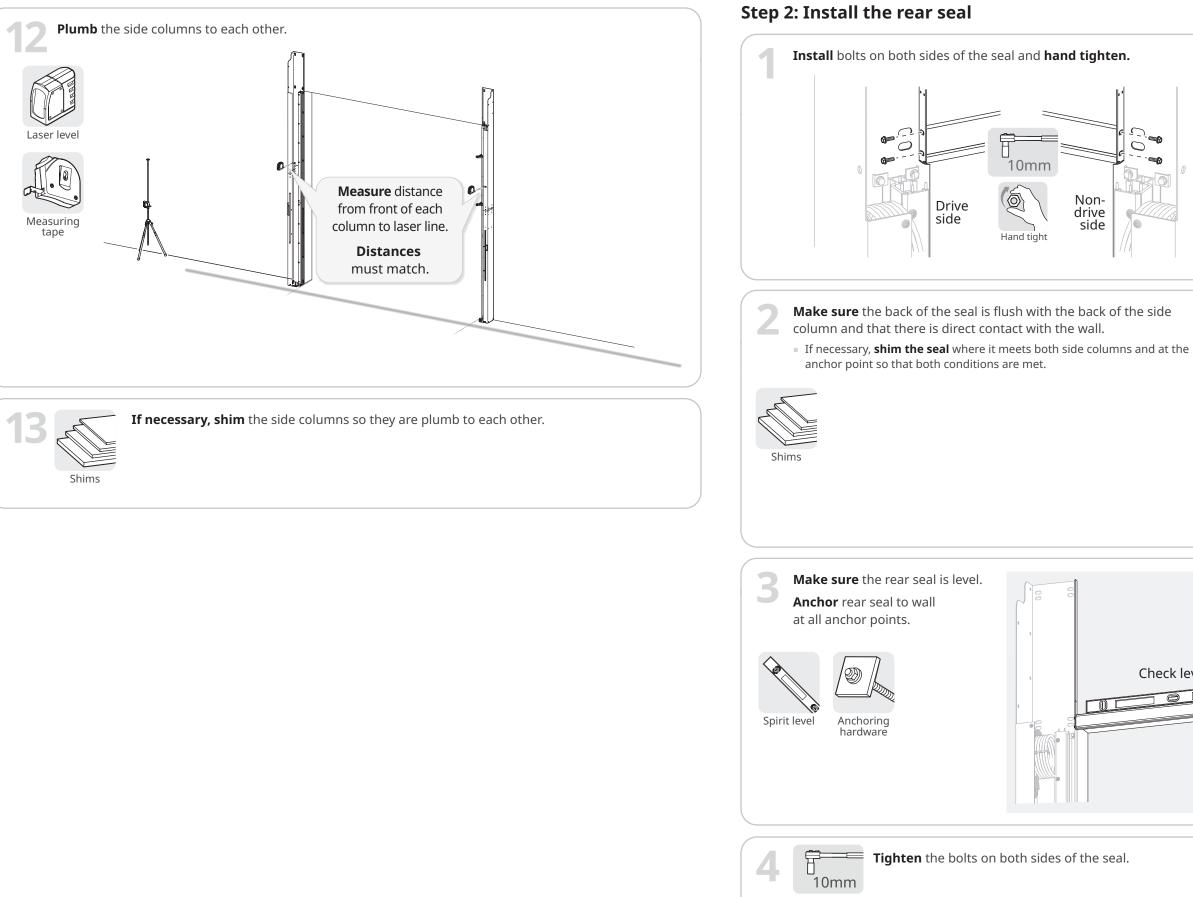
Make sure you have read Before you begin on page 9.

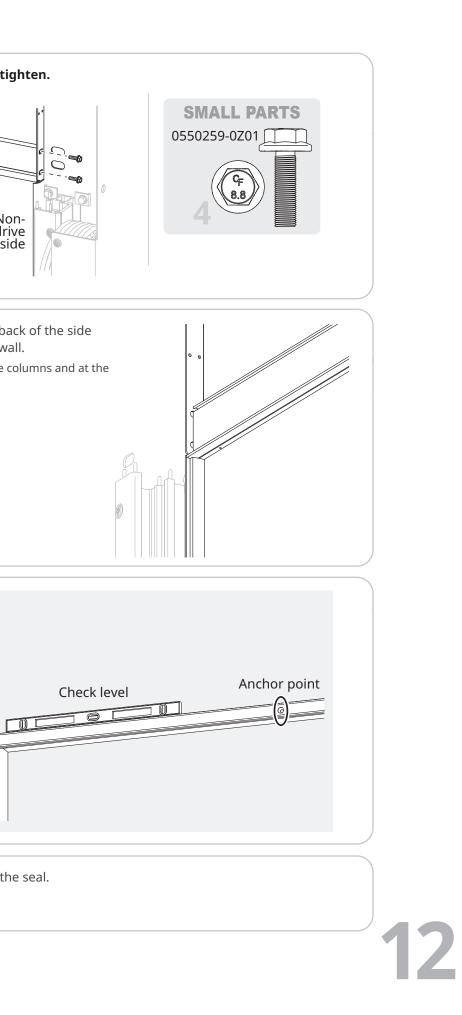
ß

9 6









10mm

Non-

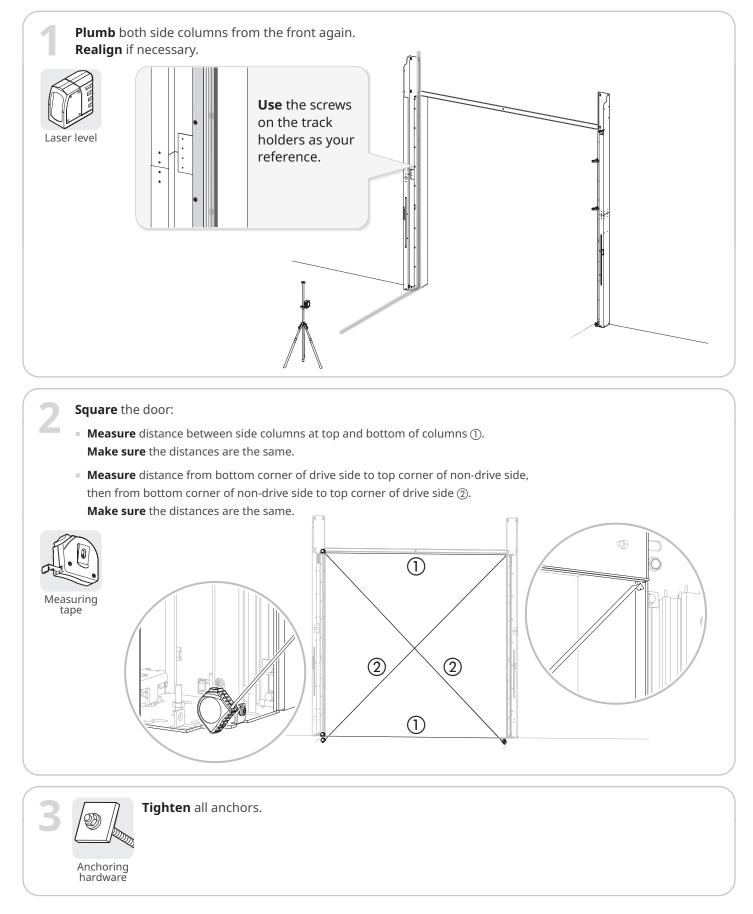
drive side

Ø

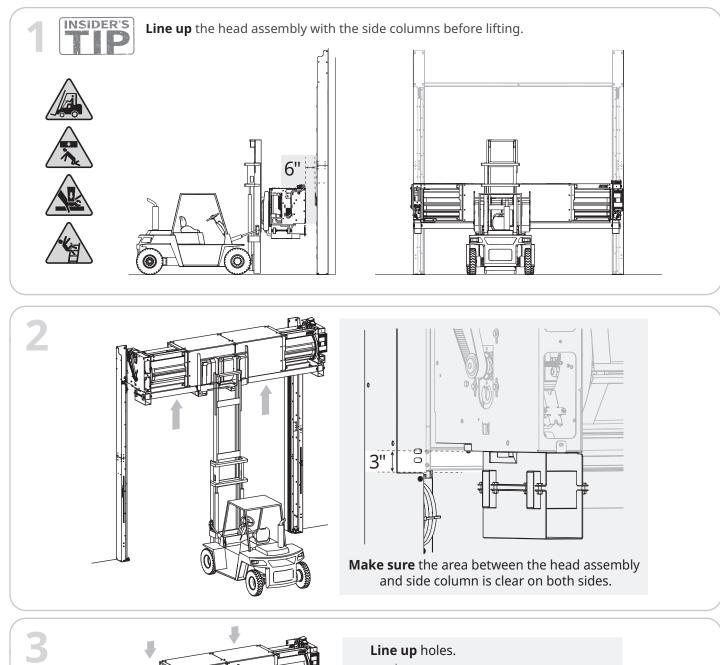
Hand tight

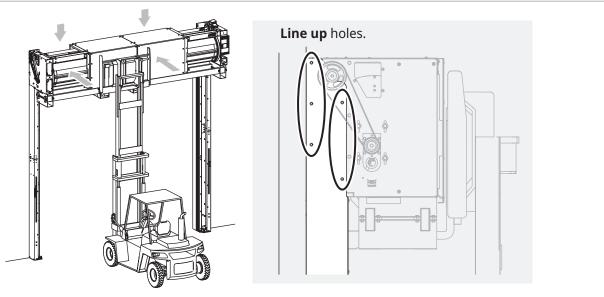


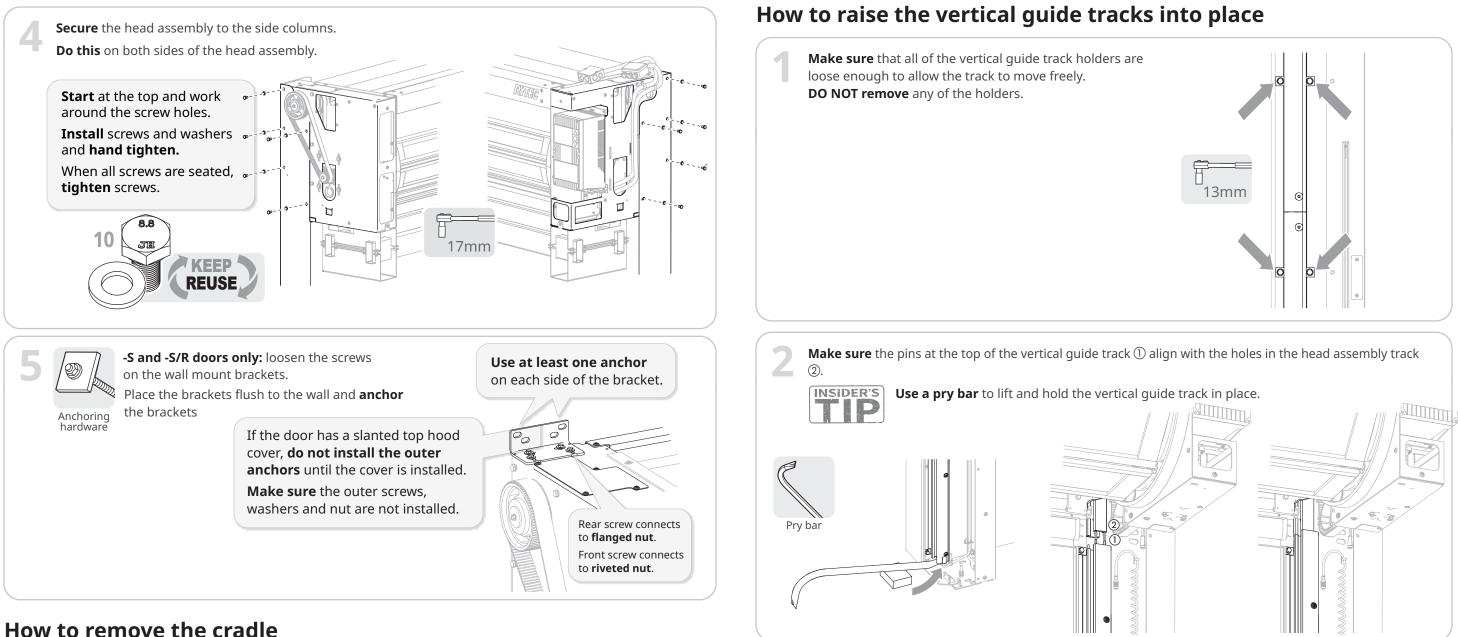
Step 3: Replumb and square the door and finish anchoring the side columns

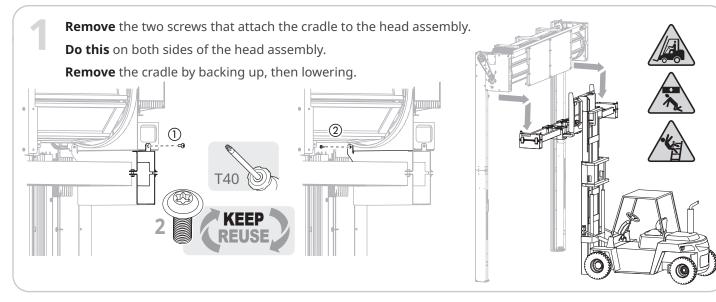


How to install the head assembly





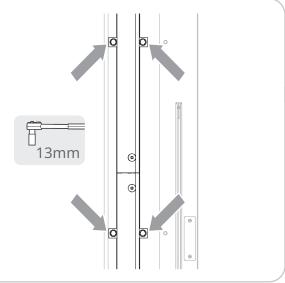


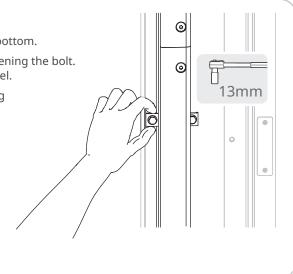


- **Tighten** the bolts on the track holders. 3
 - Start at the **middle of the track** and work toward the top and bottom.
 - **Make sure** the holder is at a 90° angle to the track before tightening the bolt. You will need to hold it in place while tightening to keep it level.
 - **Make two full passes** from top to bottom: tighten bolts to snug on the first pass, then fully tighten on the second pass.

CAUTION

Make sure your fingers are clear of the bolt when tightening. Power tools are not recommended.







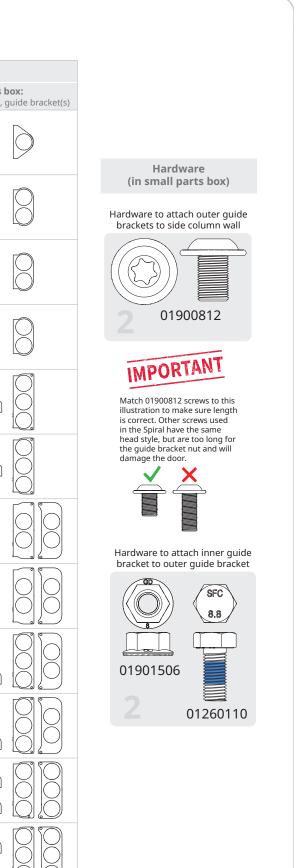


How to install the springs

Make sure the total number of springs in the crate matches the number listed in the object list ①. The object list also shows how to divide the springs between the side columns ②.

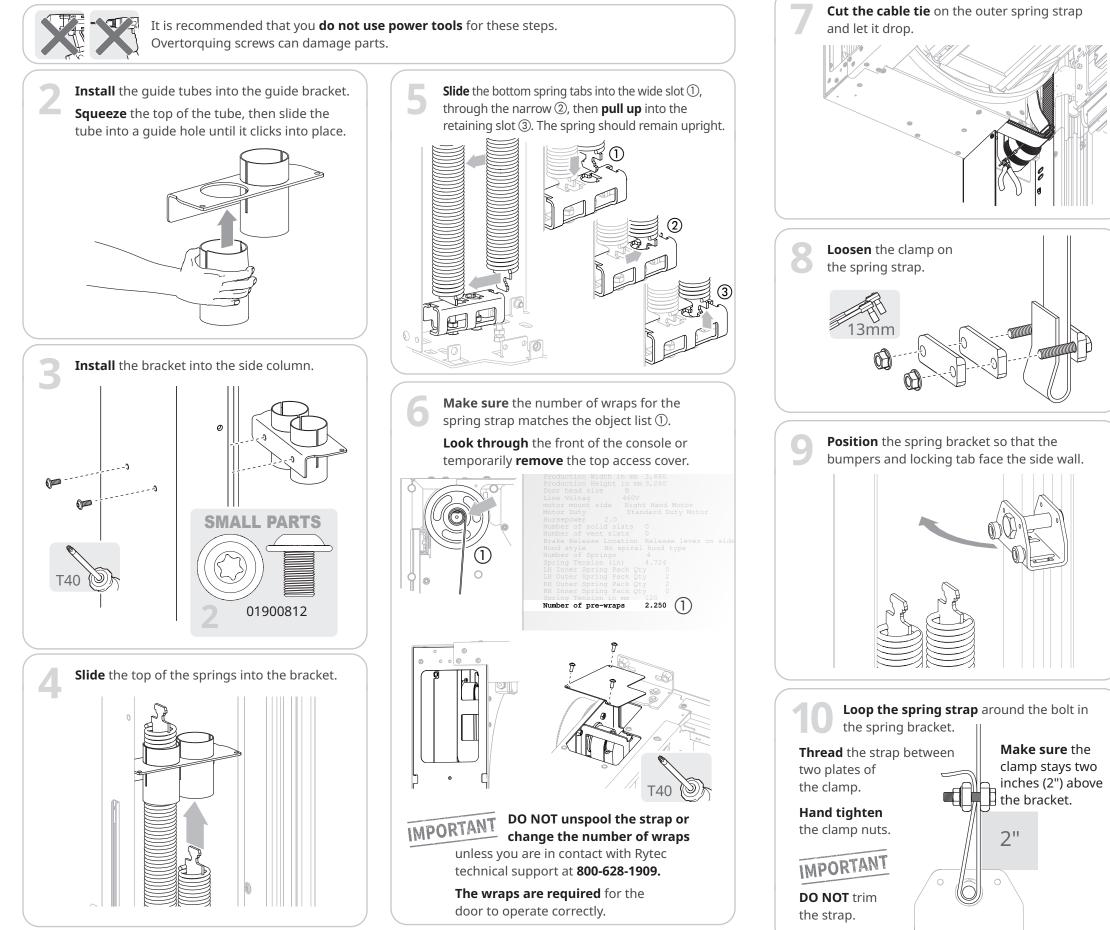
Make sure the preinstalled spring straps on both sides of the head assembly match the table below ③ for the total number of springs in the door.

	Object list Material runnber 724	Total number			Drive side			Non-driv	e side
RYTEC	Original I Law based description SPIRAL STT-L Order number 20000597 Driver quartity	of springs	Springs	Spring straps	In small parts box: guide tube(s), strap bracket, guide bracket(s)	Springs	Spring straps		n small parts strap bracket,
DOO91893-01 DOO81893-01 DOO8 MODEL N. N. DOOR WODEL N. N.	ME Spiral Full Vision "L" nches) 144.094	1						1	°O°
Door head si: Line Voltage motor mount : Horor Duty Winther of rea	dth in mm 3,660 ight in mm 3,260 eB 460V ide Right Hand Motor Standard Duty Motor 2.0 1 slats 0 t slats 0 Location Release lever on_side column	2		3				2	°0°
Number of Spy Spring Tempi LH Inner Spr HH Outer Spr RH Outer Spr RH Outer Spr Spring Tempi Number of pr	n (1n) 4.724 ng Pack Qty 2 ng Pack Qty 2 p 2ack Qty 2	3		10				2	(° 0 °)
Locate the parts and hardwa the spring assemblies in botl Each assembly includes:	Parts of the spring assembly	4		10	2 0°			2	°O °
 1-3 springs guide tubes a guide bracket a strap bracket 	Spring strap and clamp preinstalled in head assembly	5			2 0°			3	° 0 °
 When there are more than three springs in a side column, two assemblies are installed side by side and bolted together. 	Strap bracket in small	6		10	3			3	° 0 °
 The table to the right shows how to divide the parts and hardware found in the small parts box(es) and how to put together the assemblies. 	spring	7		10	3			4	(°0°)
Baseplate tube preassembled to baseplate 1-spring assembly uses this slot	in crate	8					200	4	(°0°) (°0°)
STT-L doors	Guide bracket in small parts box Guide tube in small parts box	9		200			200	5	°0°) °0°
2-spring assembly uses these slots 1-spring		10		200	5 0 0			5	°0°) °0°
assembly uses this slot		11			5 0 0			6	° 0 °
All other doors 3-spring assembly uses these slots		12					200	6	° 0 °





NOTE: a four-spring, two-assembly configuration is shown for these steps.



Spiral® SST and STT Prewire Installation Manual = 1072124-0 = Rev 03 = 01/22



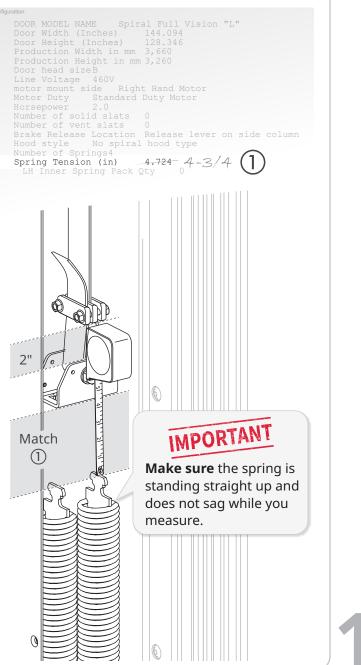
Set the spring tension. This is the distance the springs must be stretched to provide the correct tension for the door.



Locate the spring tension ① on the object list. **Round** to the nearest 1/16 inch.

Measuring tape **Measure** the distance between the bottom of the spring bracket and the top of the spring tab (shaded area).

063	1/16	.313	5/16	.563	9/16	.813	13/16	
125	1/8	.375	3/8	.625	5/8	.875	7/8	
188	3/16	.438	7/16	.688	11/16	.938	15/16	
250	1/4	.500	1/2	.750	3/4			





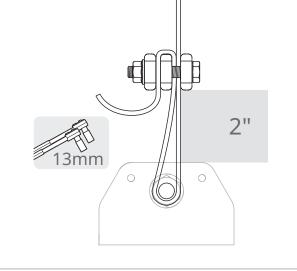
Adjust the strap until the measured distance matches the object list and the distance from the clamp to the bracket is two inches (2").

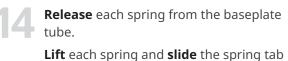
Remove the nuts and **retrieve** the third clamp plate.

Loop the spring strap down between the second and third clamp plate.

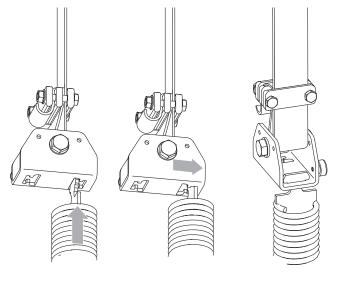
Tighten the nuts to secure the strap.

If necessary, **trim** excess strap length.

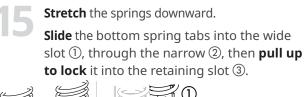


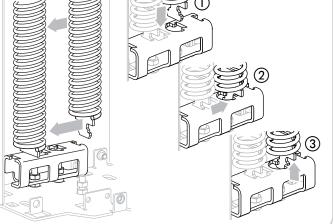


Lift each spring and slide the spring tab into the slot in the spring bracket.



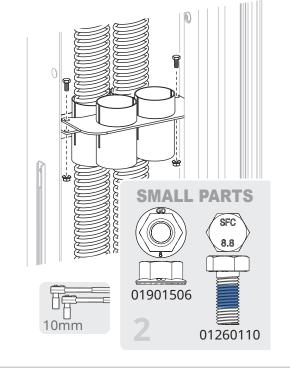
Spiral[®] SST and STT Prewire Installation Manual





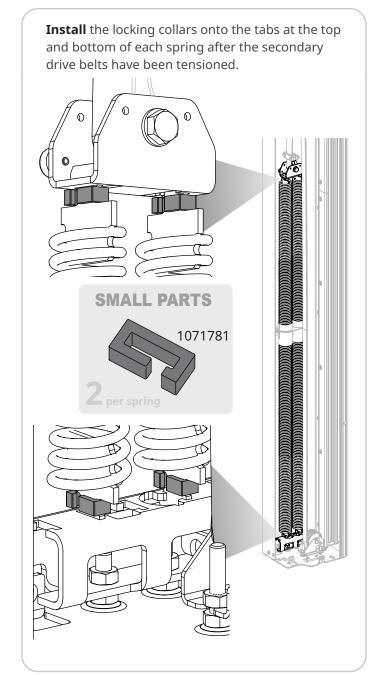
How to install a second assembly in the side column

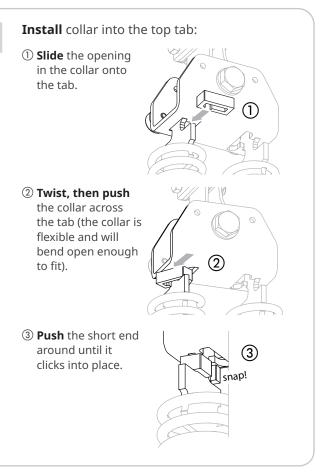
Install the guide tubes into the second bracket. **Install** the second bracket above the first bracket.



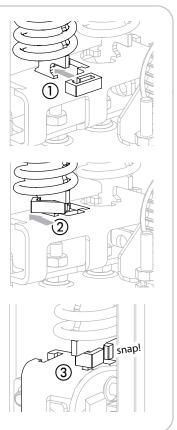
Follow steps 4-15 for installing the springs.Make sure the spring bracket bumpers face out, toward the first spring assembly.

How to install the locking collars at the top and bottom of the springs

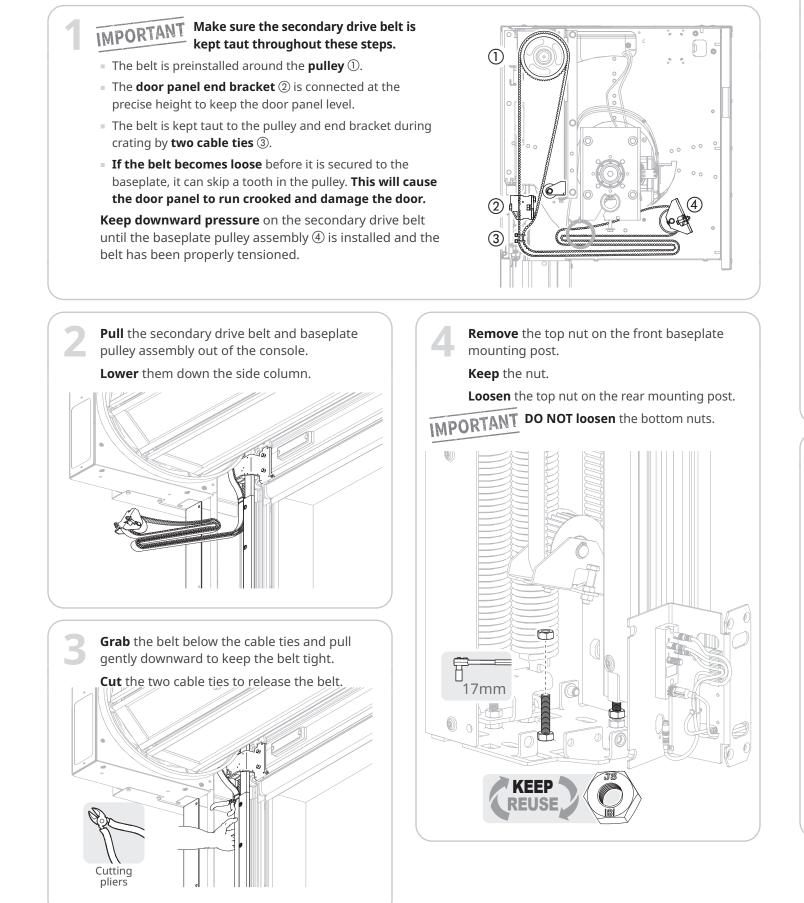




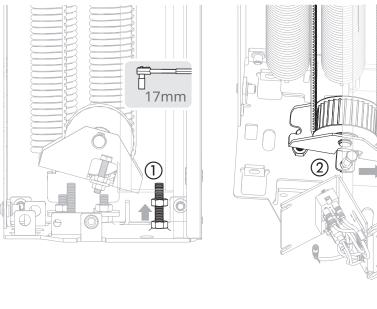
Follow the same steps for the tab at the baseplate pulley assembly.



How to install the secondary drive belt

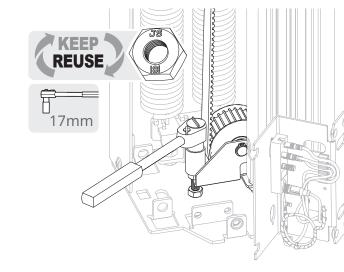


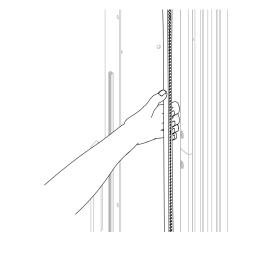
- **Set the height** of the top nut on the rear baseplate mounting post ①. **1:** Slide the rear flange of the baseplate pulley assembly ⁽²⁾ under the top nut until it touches the post.
- **2: Press down** on the front of the pulley assembly as hard as you can ③.
 - The top nut is at the correct height when **three (3) threads** of the front mounting post clear the front flange.
- **3: Adjust** the height of the nut as needed to reach the correct height.



Set the tension of the belt.

- **1: Replace** the top nut on the front mounting post. **Tighten** the nut to increase the tension on the belt.
- 2: Grab the belt as close as possible to the midpoint with one hand. **Press** the front and rear legs of the belt together between your fingers and thumb. • The tension is correct when it requires **considerable effort to bring the legs together.**
- **3: Adjust** the height of the top nut as needed to reach the correct tension.









Non-drive side

SMALL PARTS

100

01900820

Corner

pracket

 \bigcirc

How to install the corner brackets, wireless antenna and (optional) bottom hood spreader

- **Locate** the corner brackets, wireless antenna arm and hardware in the small parts box.
- **Install** a corner bracket on each side column.
- The drive side bracket holds the wireless antenna arm and has an extra screw hole to secure the side panel cover.
- The non-drive side bracket has an extra screw hole to secure the side panel cover.

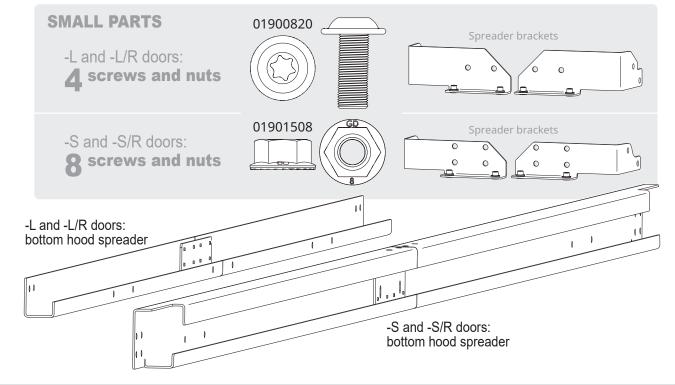
NOTE: depending on the configuration of the door, the drive side may be on the left (LH) or right (RH) side of the door. These steps show a left hand (LH) door.

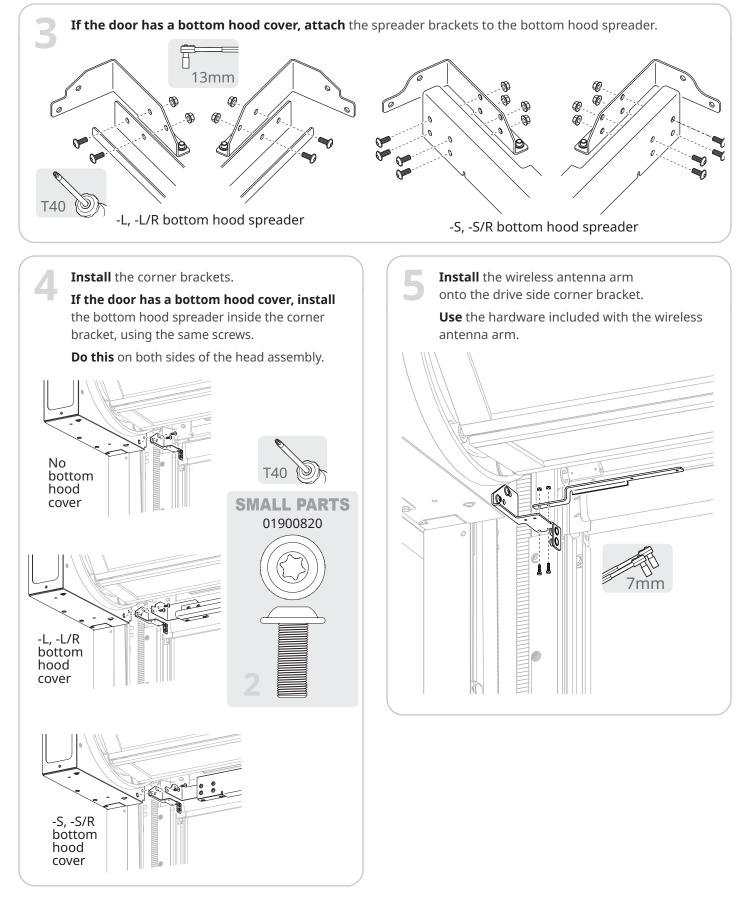
Small parts

Openand

If the door has a bottom hood cover:

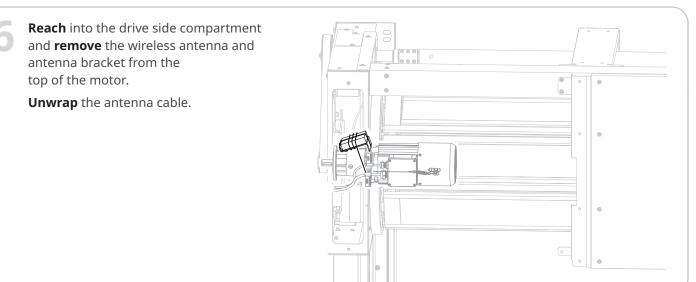
- Locate the two spreader brackets and hardware for the bottom hood spreader in the small parts box
- **Locate** the bottom hood spreader.

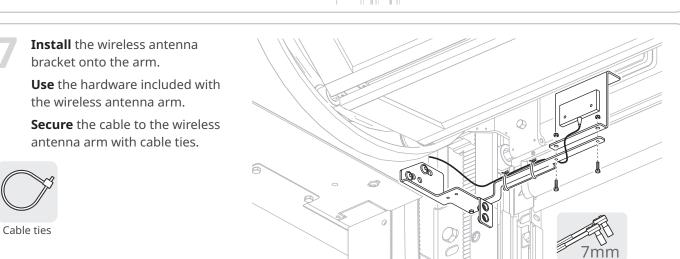






Spiral[®] SST and STT Prewire Installation Manual = 1072124-0 = Rev 03 = 01/22





How to connect the CAN bus cables

Inside the **non-drive side console**, **connect** the M12 CAN connectors:

- The male M12 for the cable from the CAN port in the side column to the female M12 connector for the cable to the controller.
- The female M12 for the cable from the CAN port in the side column to the male M12 connector for the cable that crosses the rear spreader.

IMPORTANT

Line up the embossed arrows on the connectors to align the guide notch and contacts correctly. The connectors will only fully connect if they are aligned correctly.



Inside the **non-drive side console**, **connect** the M12 CAN connectors:

The male M12 for the cable from the CAN port in the side column to the female M12 connector for the cable that crosses the spreader.

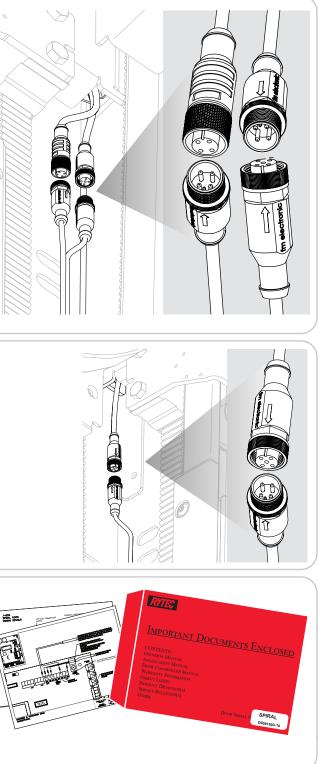
Line up the embossed arrows on the connectors to align the guide notch and contacts correctly. The connectors will only fully connect if they are aligned correctly.

Find the schematics for the door in the red document envelope.

IMPORTANT

Check the crate and small parts boxes for accessories such as activators or safety devices and any schematics included with them.

If the schematics indicate the door has non-standard wiring, **follow the schematics** instead of this manual.

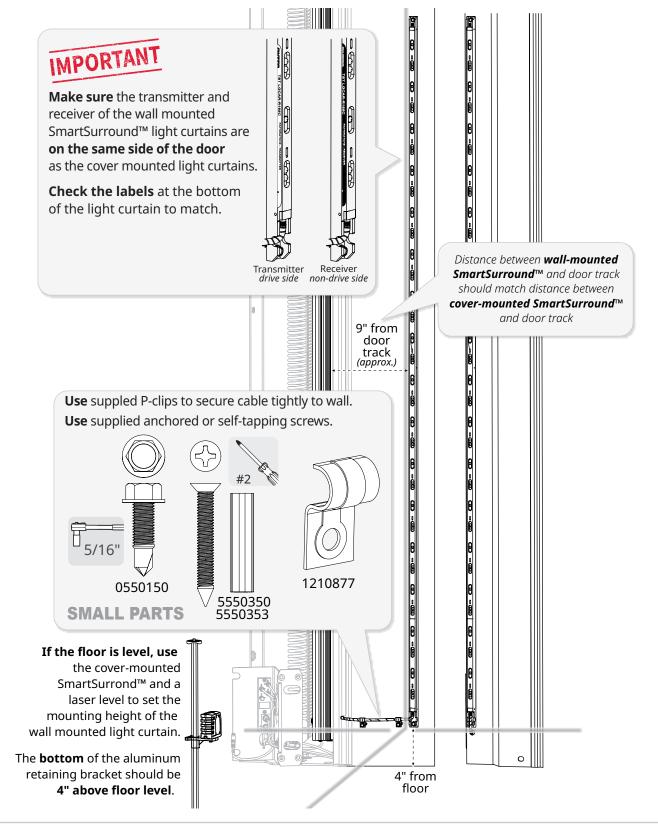






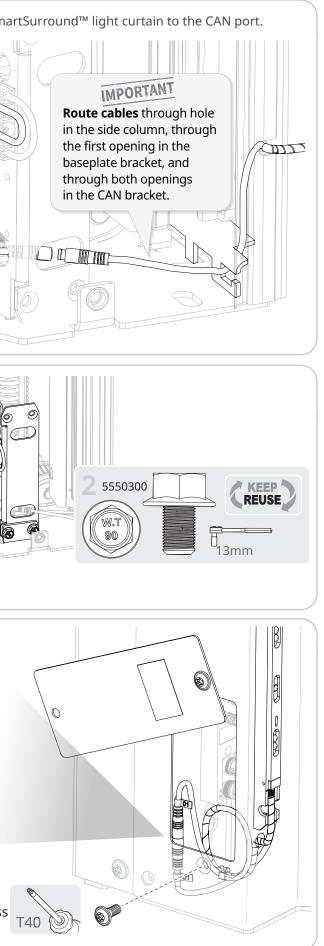
How to install the wall mounted (rear) SmartSurround[™] light curtains

Get the rear SmartSurround[™] transmitter and receiver from the crate and **install** them onto the drive side and non-drive side walls of the door opening.



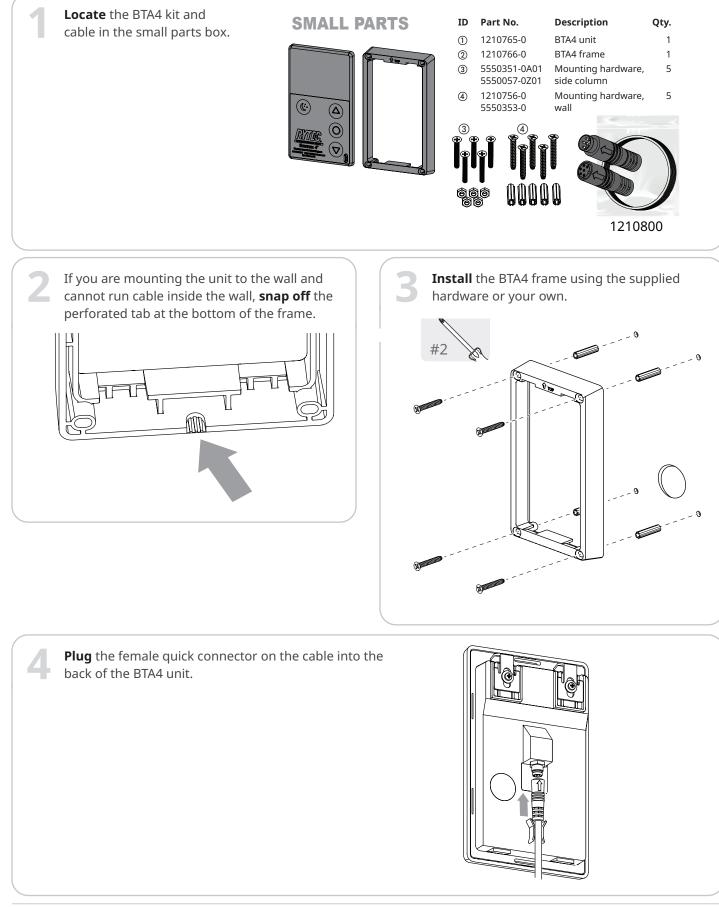
Connect the two cables that connect the wall mounted SmartSurround[™] light curtain to the CAN port. Line up the embossed arrows on the connectors to align the guide notch and contacts correctly. The connectors will only fully connect if they are aligned correctly. **Reinstall** the CAN bus brackets 5 in both side columns. • If possible, **reconnect** the cables labeled "01" before reinstalling the side colum covers. **Reinstall** the side column covers. • **Use one screw** each to hold them in place; it may be necessary to open them to make adjustments during testing. Do not secure them fully until all testing is complete. **Reconnect** the two cables labeled "01". • Line up the embossed arrows on the connectors to align the guide notch and contacts correctly. The connectors will only fully connect if they are aligned correctly.

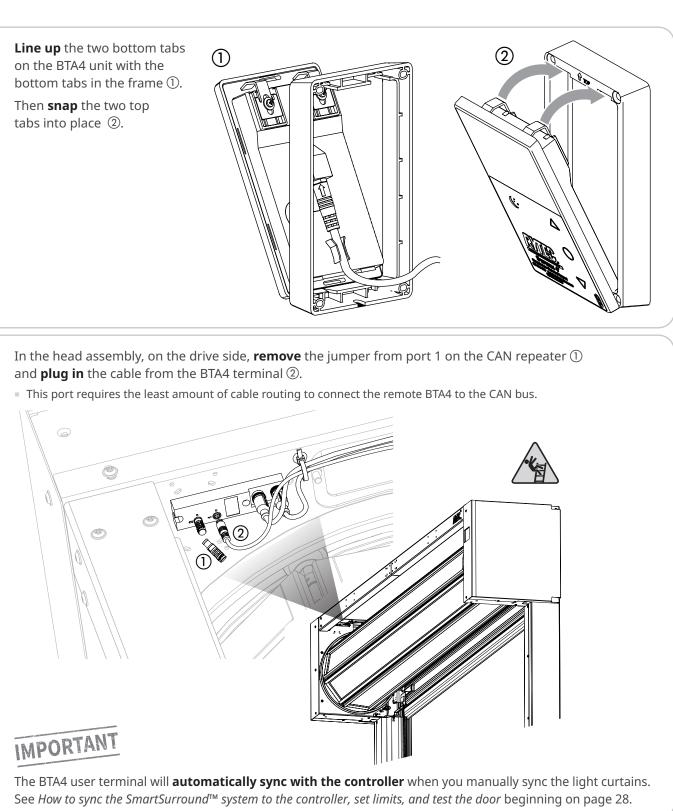
> If necessary, open the panel in the side column to access the connectors.





(Optional) How to install BTA4 user terminal in a remote location

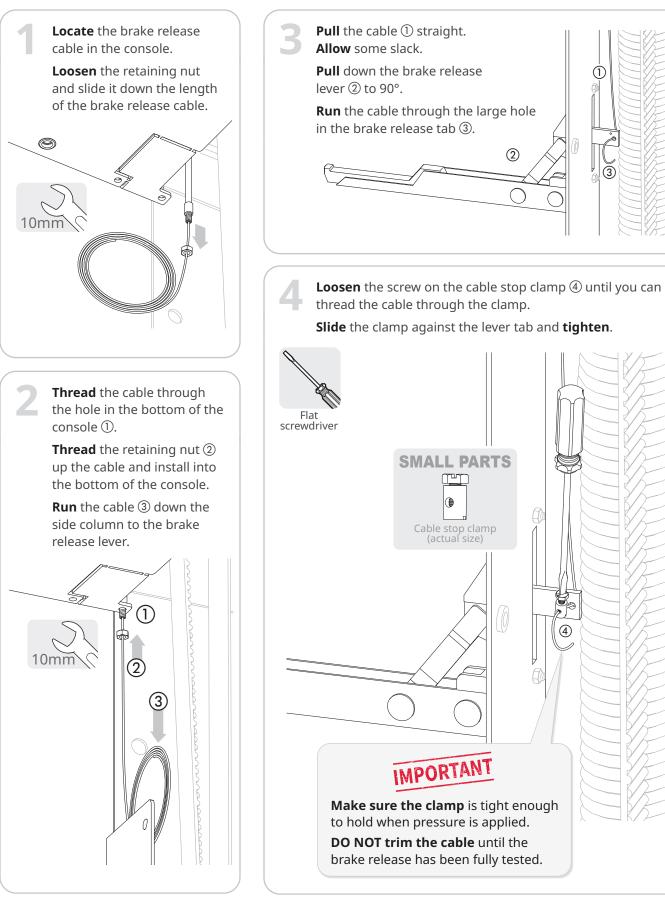


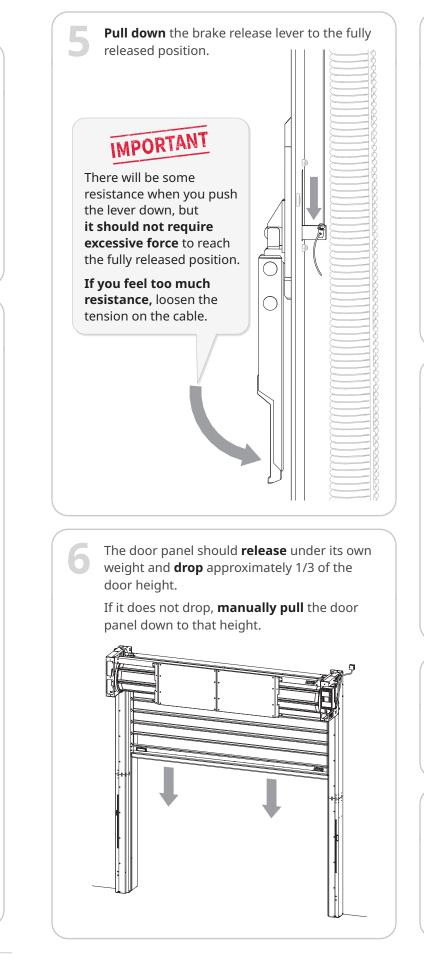


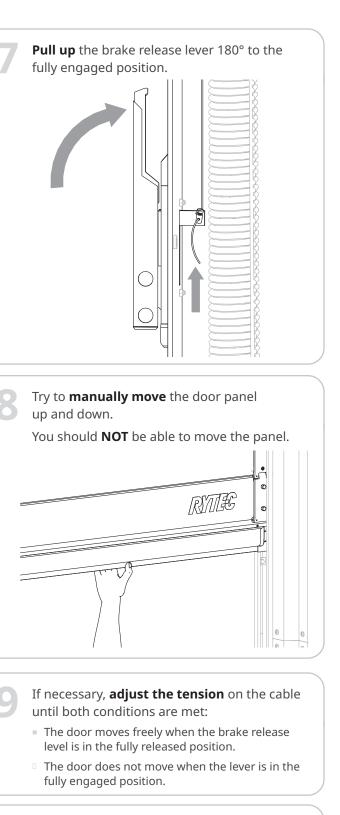




How to connect the brake release cable to the brake release lever







Release, then reengage,the brake several times. **Test** after each time.

Make sure the cable does not loosen after multiple uses.

- If necessary, **adjust the tension** on the cable.
- When all tests are complete, you can **trim** the cable (minimum trim length = 4").

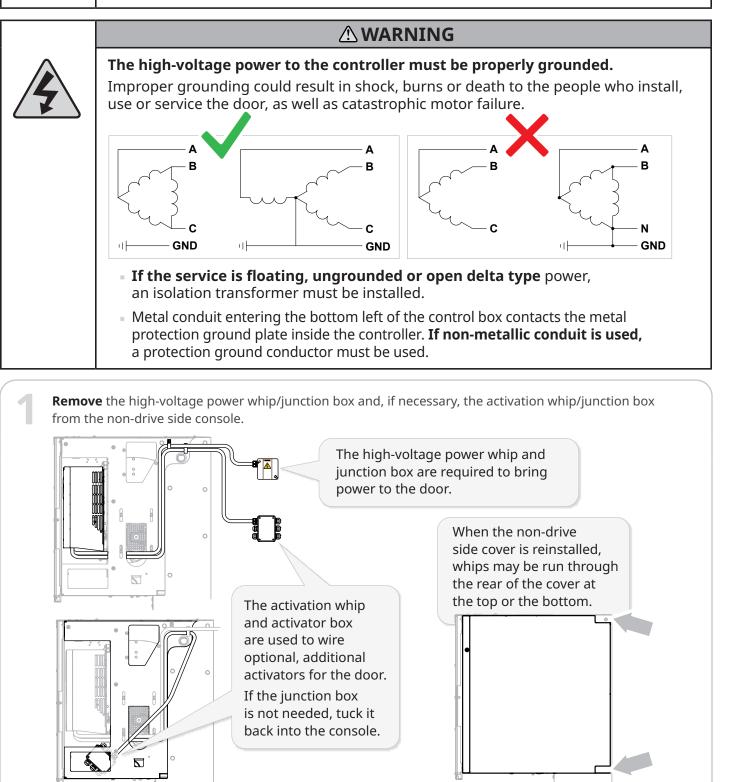


How to wire the door



All electrical work must meet all applicable local, state and national codes. It is recommended that all electrical work be done by a certified electrician.

Failure to wire the door correctly could result in shock, burns or death to the people who install, use or service the door.



Find the schematics for the door in the red document envelope.

Check the crate and small parts boxes for accessories such as activators or safety devices and any schematics included with them.

If the schematics indicate the door has non-standard wiring, **follow the schematics** instead of this manual.





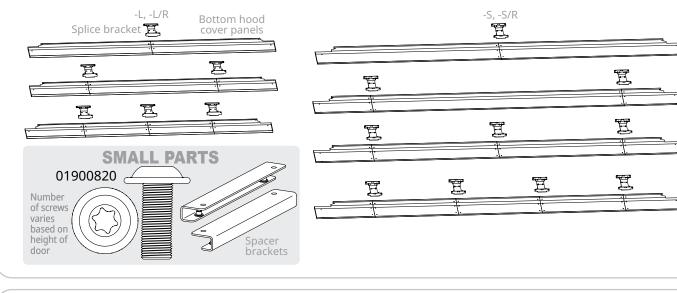




(optional) How to install the bottom hood cover

It is recommended that you **do not use power tools** for these steps. Overtorquing screws can damage the riveted nuts that secure them.

- **Locate** the spacer brackets and hardware in the small parts box.
- **Locate** the bottom hood cover panels and bottom splice brackets (mounting brackets) in the crate.
- -L and -L/R doors may have 2, 3 or 4 panels, -S and -S/R doors may have 2, 3, 4 or 5 panels.

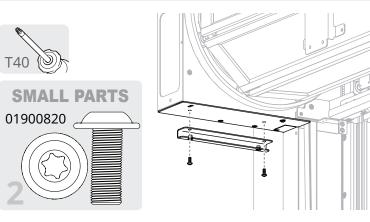


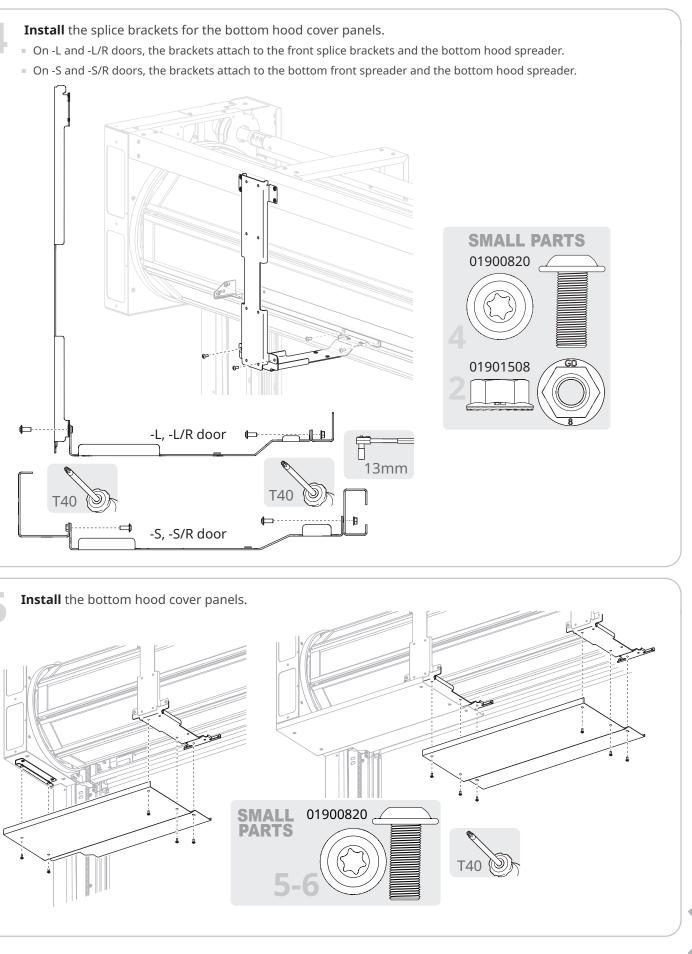
-L and -L/R doors only: if necessary, remove all front cover 4 panels to access the front splice brackets.

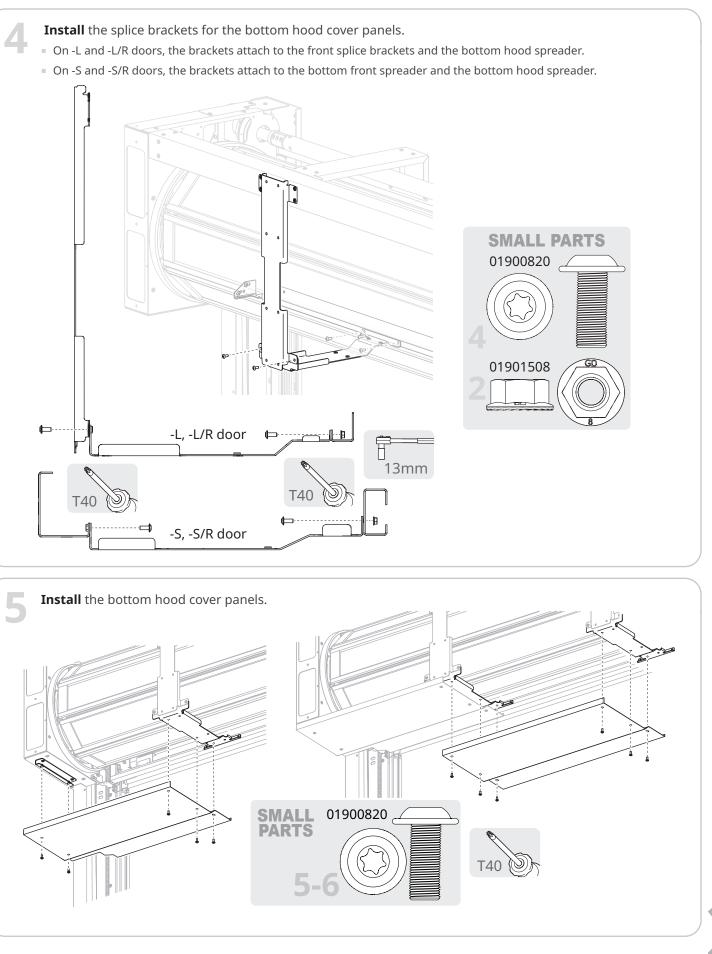


Install the spacer bracket from the 5 small parts box onto the side console.

> Do this on both sides of the head assembly.









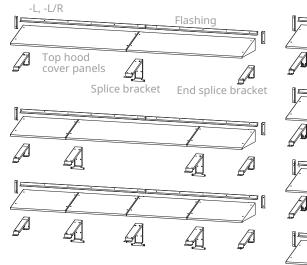
(optional) How to install the slanted top hood cover

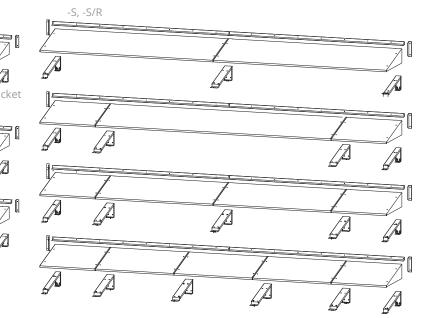
It is recommended that you **do not use power tools** for these steps. Overtorquing screws can damage the riveted nuts that secure them.

- **Locate** the top hood cover panels and splice brackets in their crate.
- -L and -L/R doors may have 2, 3 or 4 panels, -S and -S/R doors may have 2, 3, 4 or 5 panels.

Locate the flashing. There should be two long segments and two short side segments.

Locate the hardware in the small parts box.



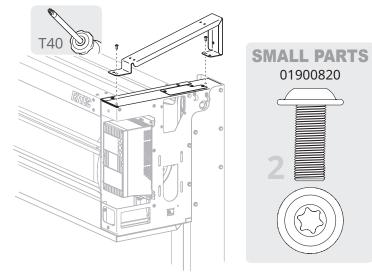


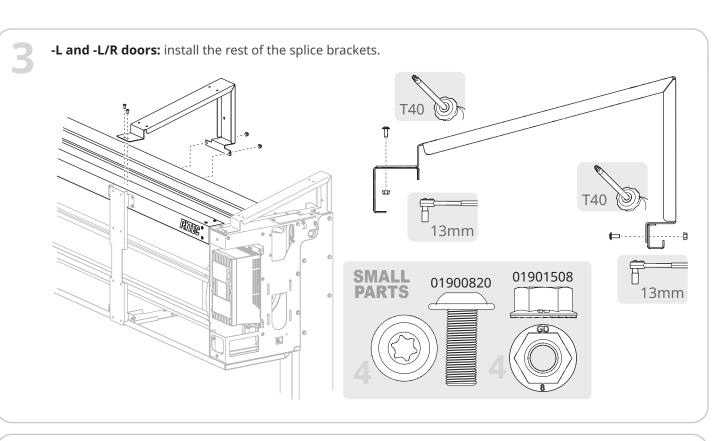
-L and -L/R doors: install the end splice bracket.

Do this on both sides of the head assembly.

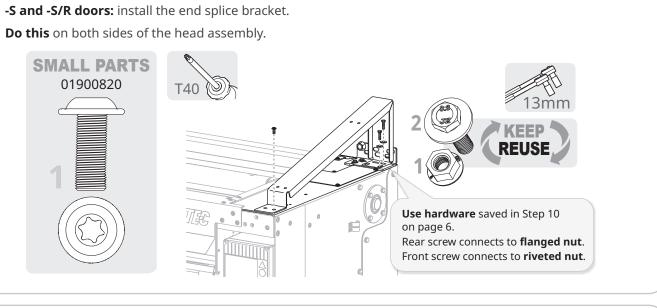


4





- -S and -S/R doors: install the end splice bracket.





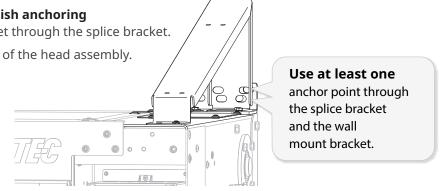
4

-S and -S/R doors: finish anchoring

the wall mount bracket through the splice bracket.

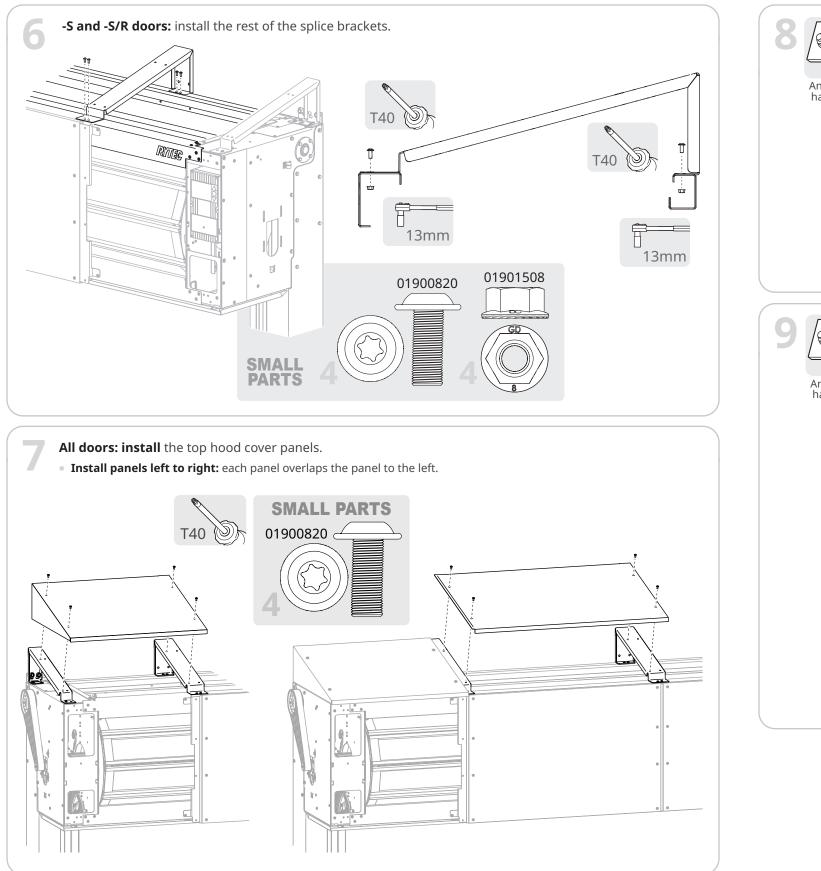
Do this on both sides of the head assembly.

hardware



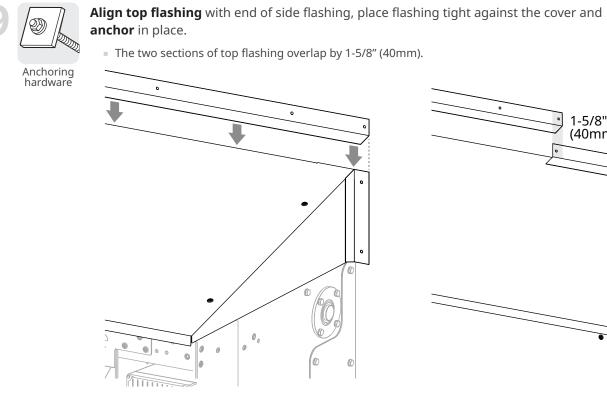


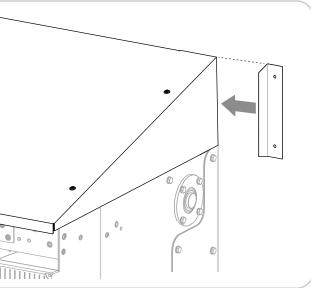


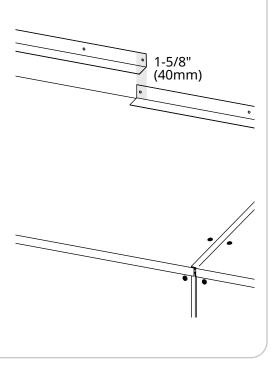








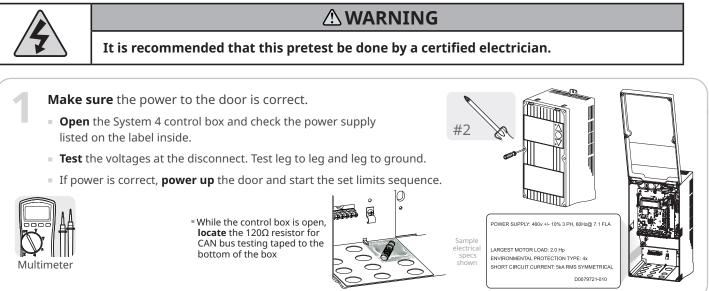








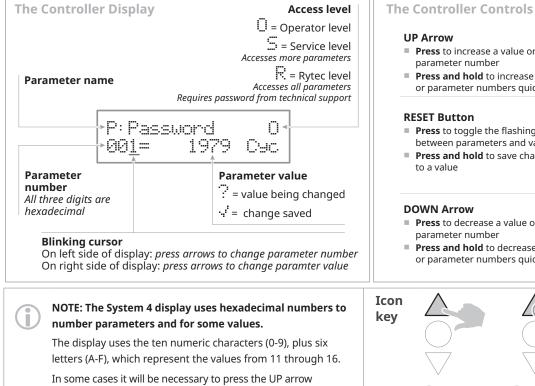
Before powering up the door



How to sync the SmartSurround[™] system to the controller, set limits, and test the door

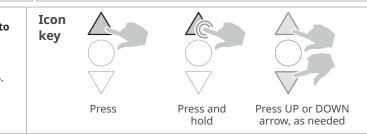


Make sure that people and vehicles do not pass through the open doorway until the automatic calibration is complete. The door can open or close unexpectedly, resulting in injury.



sixteen times to change a value from 0000 to 0010.

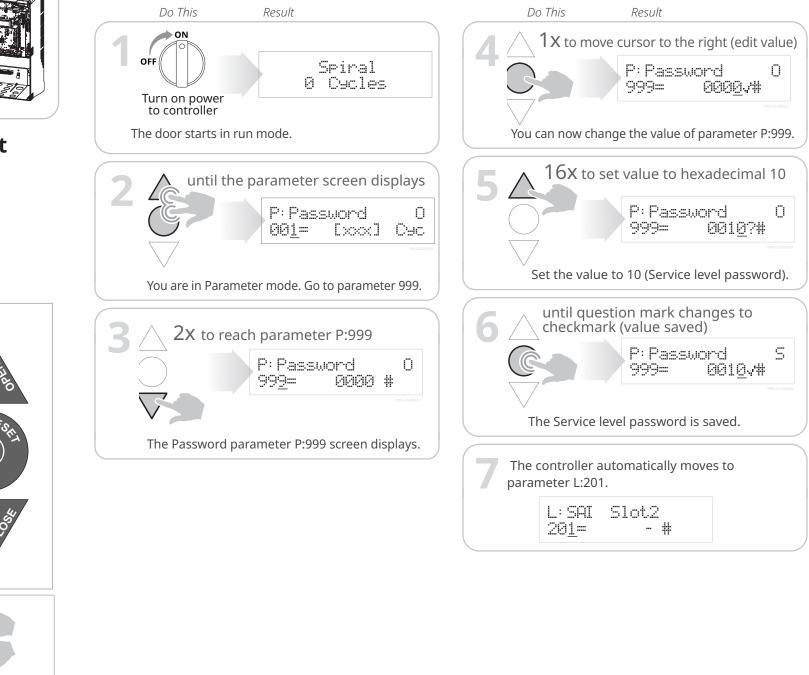
Press to increase a value or Press and hold to increase values or parameter numbers quickly Press to toggle the flashing cursor between parameters and values Press and hold to save changes Press to decrease a value or Press and hold to decrease values or parameter numbers quickly

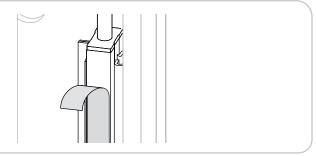


Make sure the protective film has been removed from the Advanced³ light curtains in both door tracks before turning on power to the door.



First: set the controller to Parameter mode and access Service level parameters



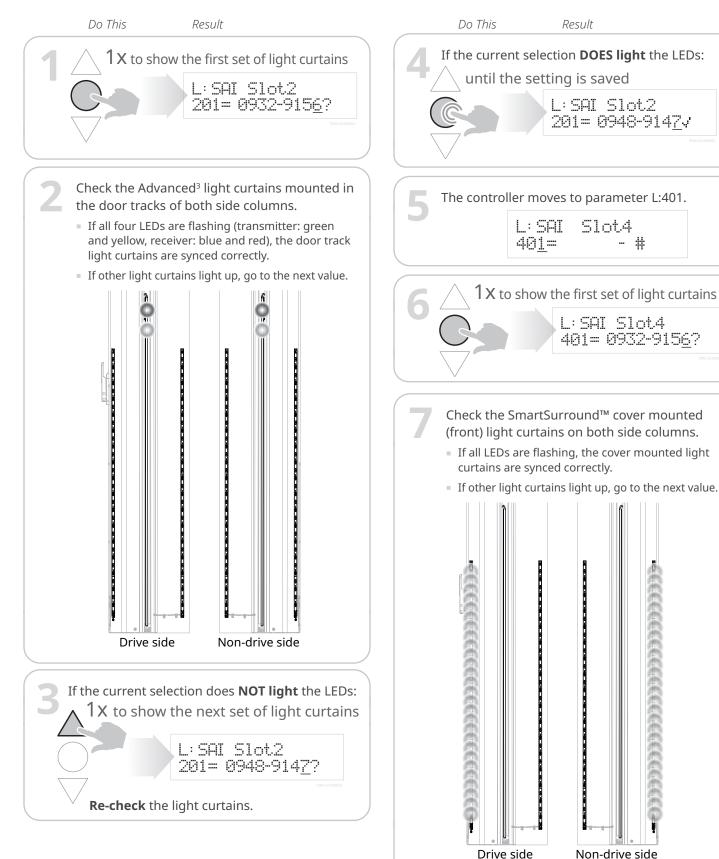


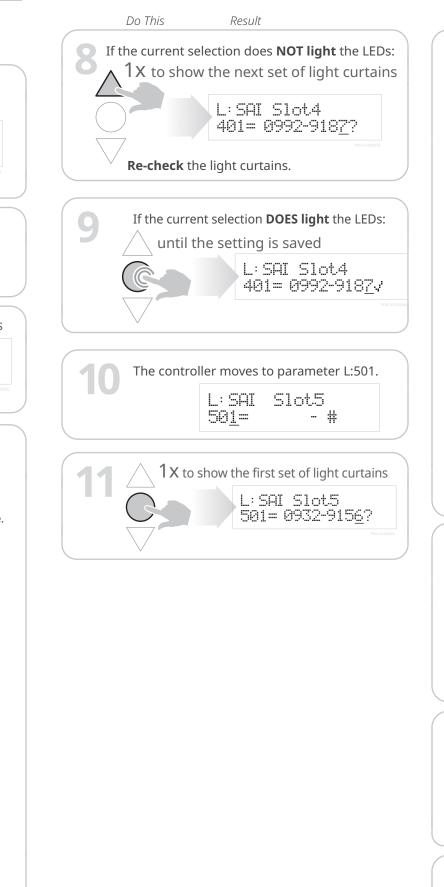


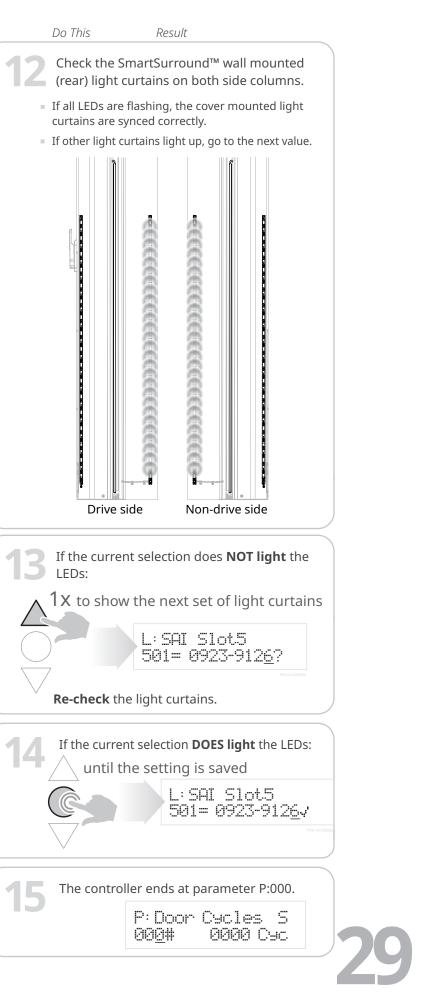


- #

Next: begin the SmartSurround[™] system synchronization





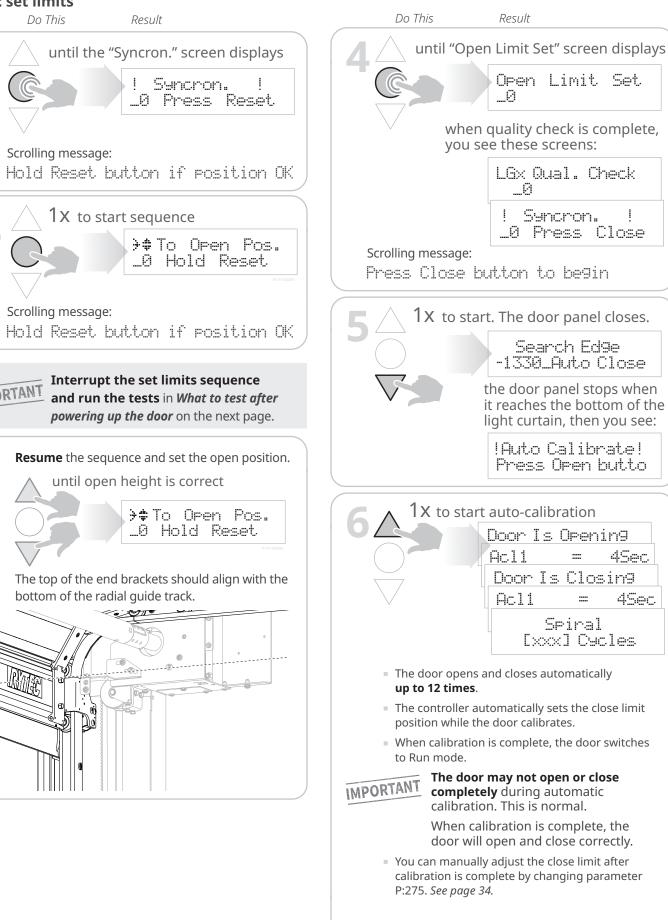


Spiral[®] SST and STT Prewire Installation Manual



IMPORTANT







What to test after powering up the door



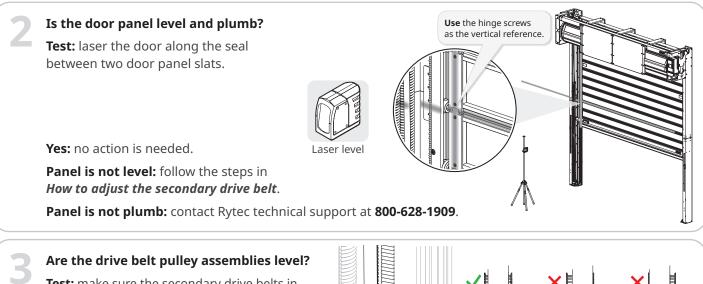
Press and hold the arrows to fully open, then fully close the door five (5) times.

Does the door panel move in the right direction?

Test: The direction of the door should match the direction of the arrow on the controller.

Yes: no action is needed.

No: follow the steps in *How to reverse the rotation of the motor*.



Test: make sure the secondary drive belts in both side columns are centered in the pulley assemblies after the door has been opened and closed several times.

Yes: no action is needed.

No: follow the steps in How to level the baseplate pulley assembly.

Is the manual brake release operating correctly?

Test: pull down the lever to 90° to manually release the brake, then push the lever back up to reset it. **Release operating correctly:** when the lever is down, the door panel moves freely and the controller displays an F211 Emergency Stop error. When the handle is reset, the controller displays Door is Stopped and you can close the door by pressing the DOWN arrow. No action is needed.

Release NOT operating correctly: the F211 Emergency Stop error stays on when the lever is reset, and the door cannot be closed. Follow the steps in How to adjust the proximity sensor.

Is the door operating correctly?

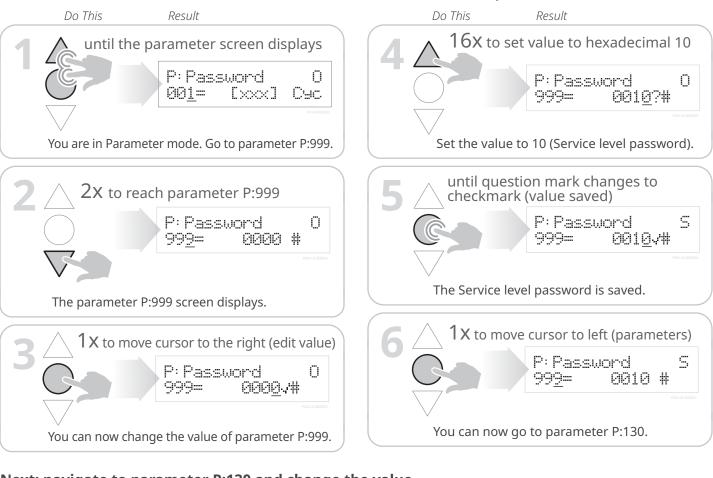
Test: listen for grinding, whining or excessive motor noise. Watch for changes in speed or excessive movement of the motor or drum

Yes: no action is needed.

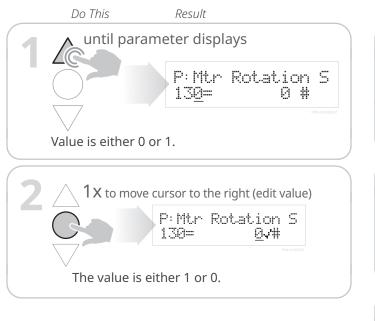
No: contact Rytec technical support at 800-628-1909.

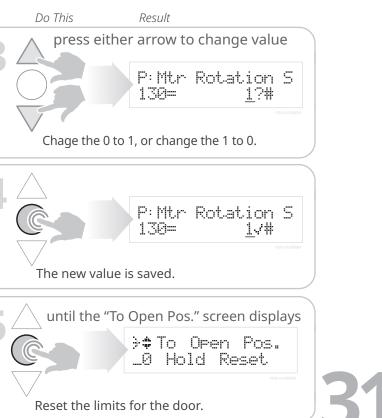
How to reverse the rotation of the motor

First: set the controller to Parameter mode and access Service level parameters



Next: navigate to parameter P:130 and change the value







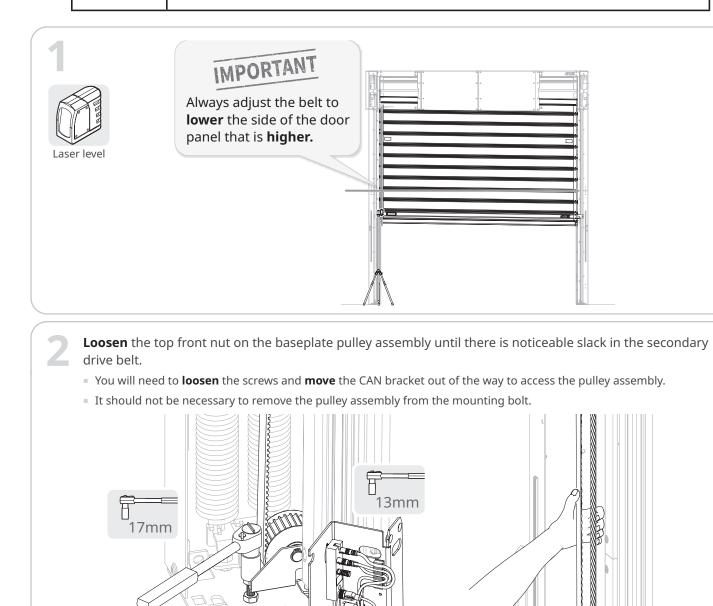
How to adjust the secondary drive belt



🗥 WARNING

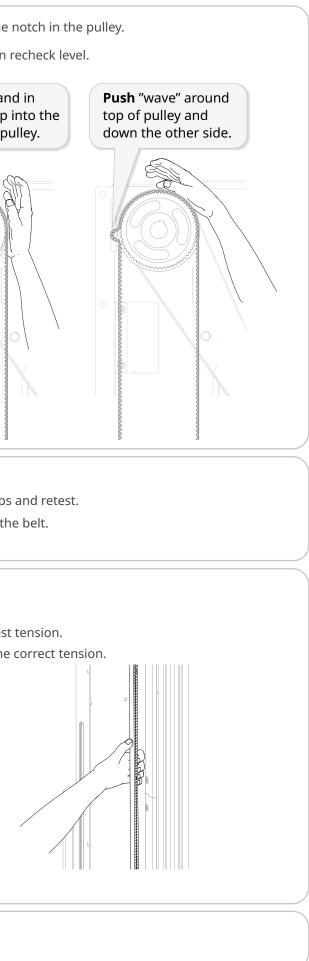
Do not perform this procedure until the power disconnect is in the OFF position and a lockout/tagout is complete.

Contact with high-voltage wires, or the door being activated unexpectedly, can cause death or serious injury.



In the head assembly, "jump" the second	
MPORTANT Adjust the belt one too	th at a time, then r
Push up slack to create a "wave" in the belt and hold it against the pulley.	Press belt up an until teeth drop next notch on pu
Keep lower hand a safe distance from pulley 12"	
4 Level the door panel again. If the door panel is not level, If the door panel is level, rese	
To reset the tension on the belt:	
1: Tighten the top front nut to increase	e the tension.
2: Press the front and rear legs of the b	-
3: Adjust the height of the top nut as n	eeded to reach the

6

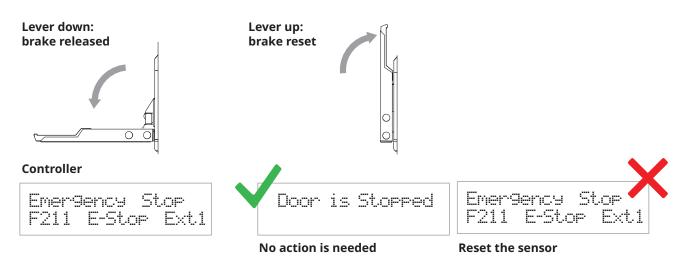






How to adjust the proximity sensor

What's the problem? The controller tracks the position of the manual break release through a magnetic sensor located in the motor. In some installation environments, the sensor needs to be adjusted from the factory preset to correctly track the brake release.



Do not perform this procedure until the power disconnect is in the OFF position and a lockout/tagout is complete.

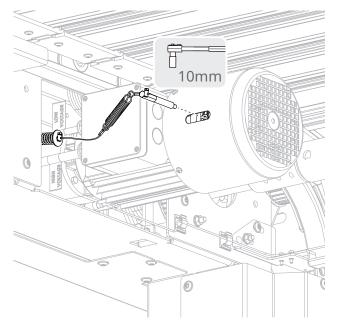
Contact with high-voltage wires, or the door being activated **unexpectedly**, can cause death or serious injury.

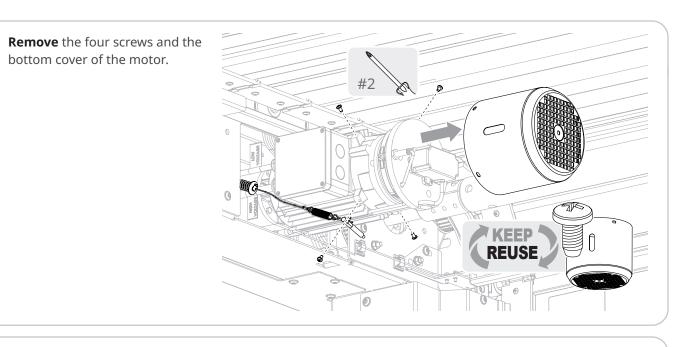


At the motor, **remove** the brake release lever.

DO NOT remove the cable. The play in the spring allows it to turn with the release lever until it is free of the motor.

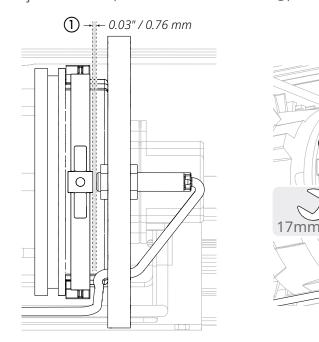






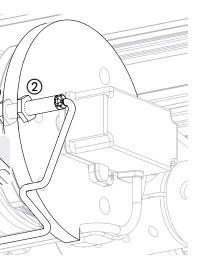
Check the distance between the sensor and the brake release arm ①. 3 It should be .03"/.76mm, which is the **thickness of a credit card.** To adjust the sensor, first **loosen** the outer nut ②, then **tighten** the inner nut ③ to secure it in place.

2



Test the manual brake release again.

If the controller displays the F211 error on reset, repeat these steps and retest. If the controller displays "Door Held Open", the issue is resolved. **Reinstall** the motor cover and the brake release lever.







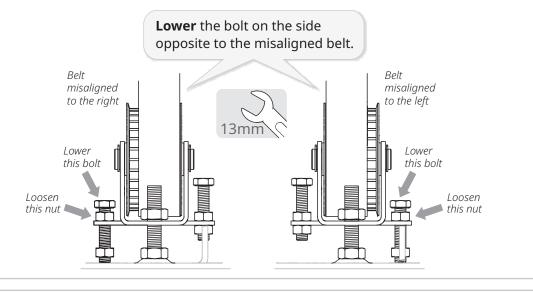
How to level the baseplate pulley assembly

Loosen the screws and **move** the CAN bracket out of the way to access the pulley assembly.

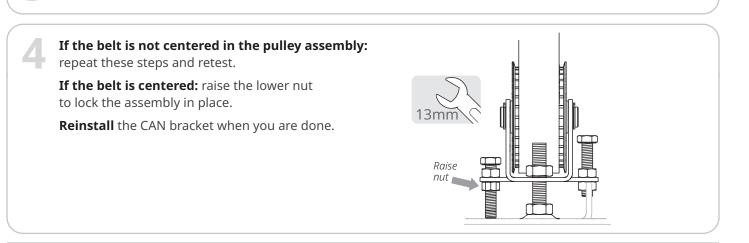
13mm

Loosen the top nut of the bolt on the side opposite to the side the belt favors. **Lower** the bolt until it touches the baseplate.

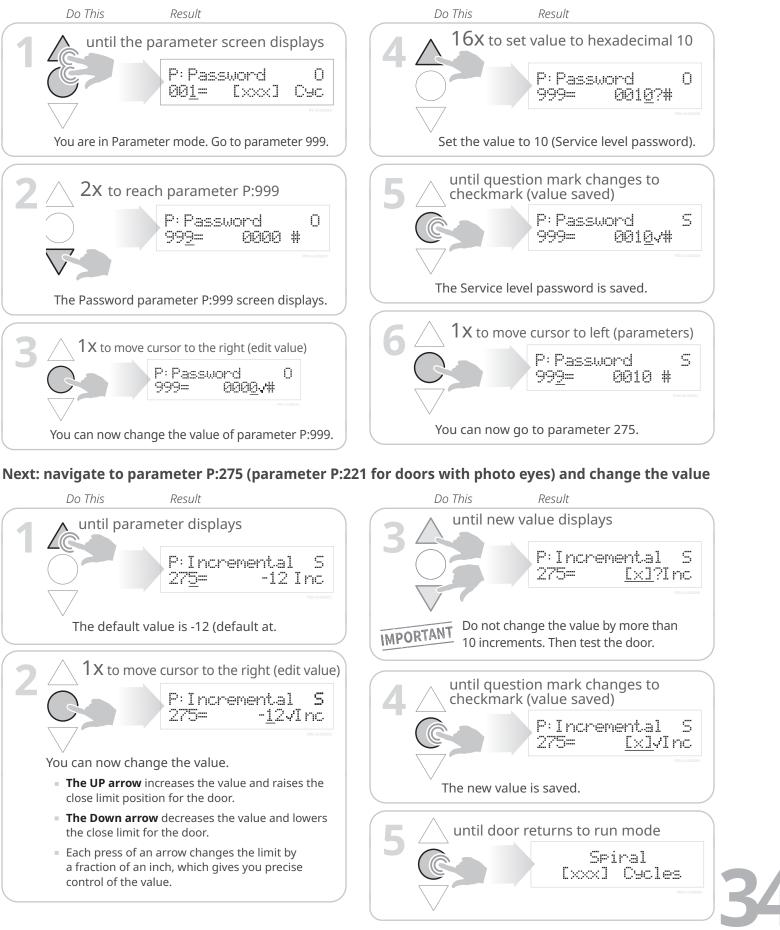
Turn the bolt **one more half-turn** to raise that side of the pulley assembly, then test the door.



Manually raise and lower the door three (3) times.

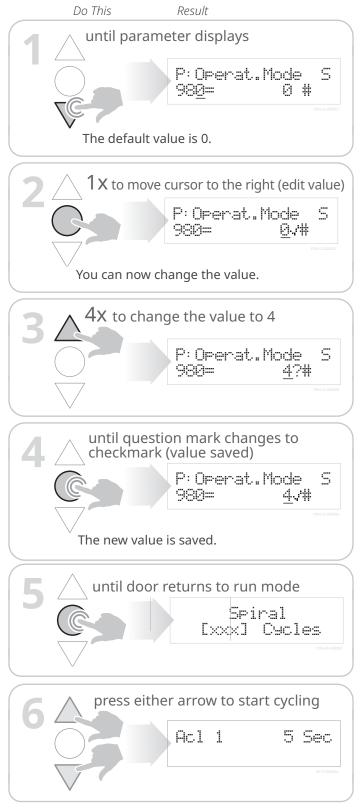


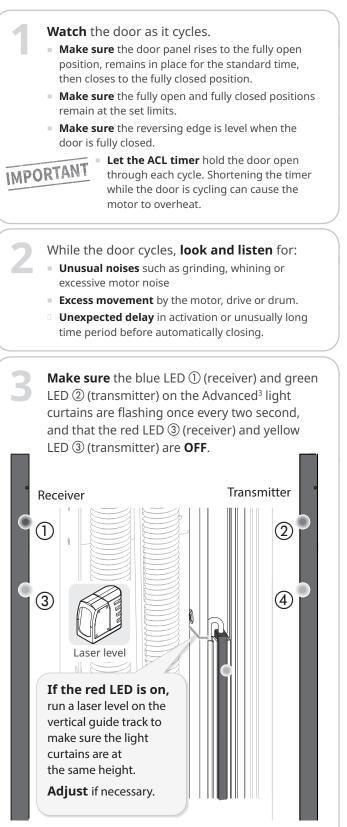
How to manually reset the close limit (optional) First: set the controller to Parameter mode and access Service level parameters



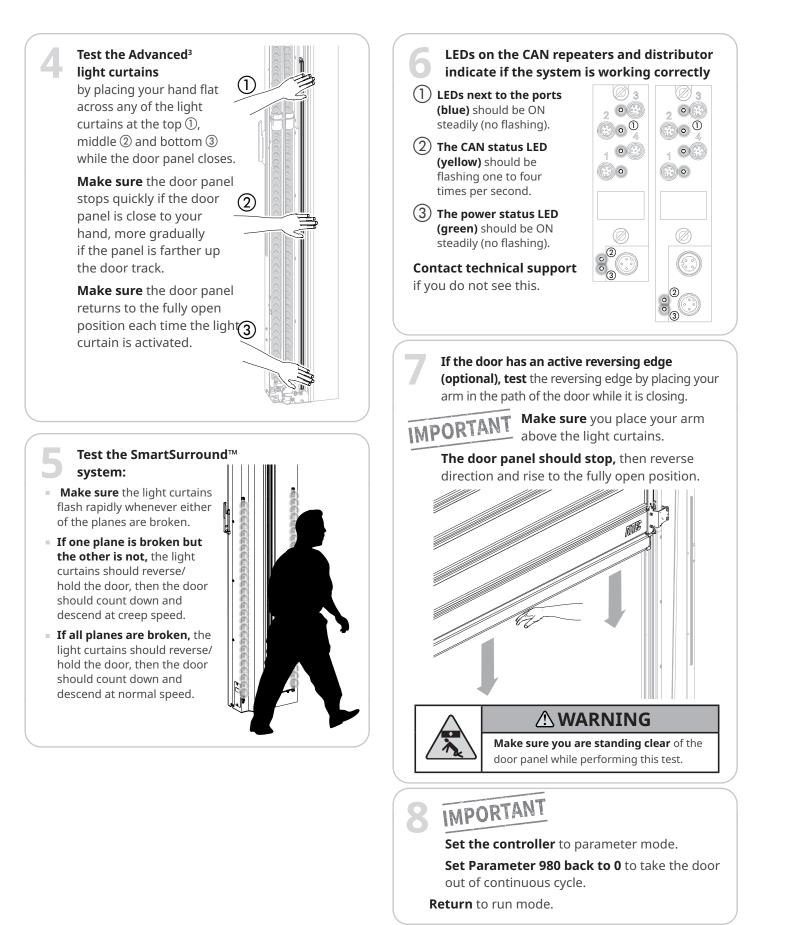
How to finish testing the door and the safety features

Navigate to parameter P:980 and set the value to 4 so the door will cycle continuously





If the red light and yellow lights are on, or if you see a different combination of lights, call Rytec technical support at **800-628-1909**.



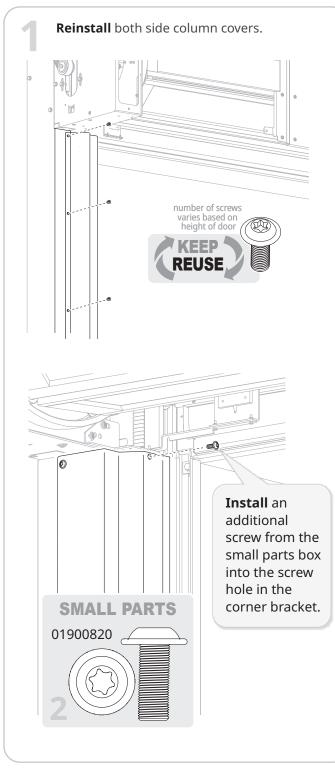
Activate the door using each activating system at least three times per system.

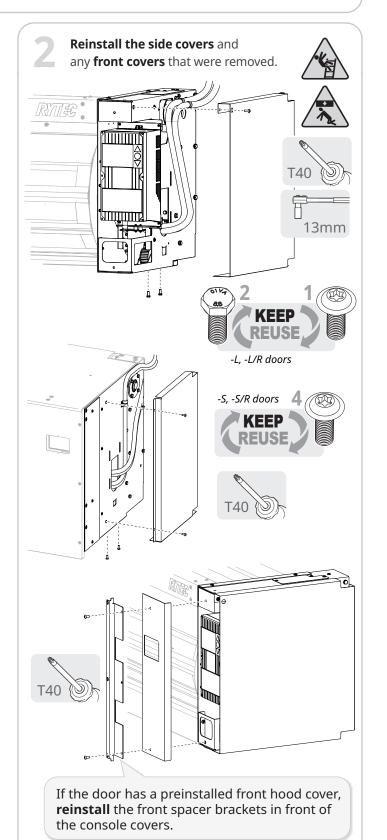


How to complete the installation

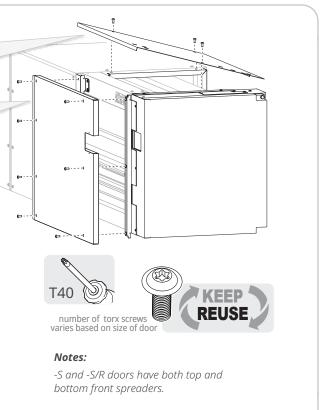


It is recommended that you **do not use power tools** for these steps. Overtorquing screws can damage the riveted nuts that secure them..





3 If the door has a preinstalled flat top hood cover, **reinstall** the top panels. If the door has a preinstalled front hood cover, **reinstall** the front panels. **Locate** the display covers and hardware in the small parts box and **install**. **SMALL PARTS** #2 10700100 Display covers If necessary, use **SMALL** O the spray paint to PARTS correct blemishes in the door finish. Spray paint Caulk between the door opening and the door.





Full vision SST doors: remove the protective plastic film from both sides of each door slat.

