

Service Bulletin 318

Spiral LP Open Limit Position Overtravel Retrofit Kit

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Summary	This bulletin covers open limit position retrofit on Spiral LP doors. The new drive belts are reinforced and use a new bracket configuration.			
Products Affected	Spiral LP			
Keywords	spiral lp, belt, retrofit			
Tools and Equipment Required	Standard toolkit (imperial and metric) Torx screwdriver set Snap ring pliers Vise grips and/or clamps Laser level			
Parts and Materials Required	K1072987-0 KIT, STEEL BELT & PULLEY RETROFIT, SSN-LP			
Related Media	N/A			
	Issue Date	January 2026	Status	Active

	WARNING
	Read and understand the entire service bulletin before proceeding. When instructed to do so, follow lockout/tagout procedures before servicing the door.

Overview

This bulletin covers the retrofit of drive belts on Spiral LP doors.

Kit Contents

K1072987-0 KIT, STEEL BELT & PULLEY RETROFIT, SSN-LP

- 2x 1072989-0A TOOTH BELT, PRE-CUT, LP, LOW-PROFILE BOTTOM BKT
- 2x 1071959-0Z01 PIVOT ASSY, CLAMP, SSN/STN-L
- 2x 1072982-0 ASSEMBLY, UPPER IDLER BKT, SSN-LP
- 2x 237505Z1 PIN,BOTTOM PULLEY,L/R
- 4x 5550374-0A04 SHIM RING, DIN 988, SS, M15X1
- 8x 01130015 RETAINING RING,DIN 471 A 15
- 2x 1072986-0 BRACKET, LOWER TOOTH BELT PULLEY, SSN-L
- 1210821-0A USB DRIVE,SOFTWARE AND PARAMETERS

PROCEDURE

Safety Information And the Meaning Of Signal Words

Technical content produced by Rytec includes safety information which must be read, understood, and followed 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.

Each safety alert includes at least three components. The safety alert symbol may be general alert symbol or an alert symbol specific to the hazard. The safety signal word indicates the likelihood and potential severity of injury due to the hazard. The safety information contains information about the hazard and how to safely mitigate it.

The following severities may exist for working with this kit:

	DANGER Danger indicates a hazardous situation which, if not avoided, will cause death or serious injury.
	WARNING Warning indicates a hazardous situation which, if not avoided, can cause death or serious injury.
	CAUTION Caution indicates a hazardous situation which, if not avoided, can cause minor or moderate injury.
	NOTICE Notice is used to address practices not related to physical injury but which, if not followed, can result in damage to the door or other property.

Position Door Panel

To allow access to the bottom drive belt bracket, raise the door panel.

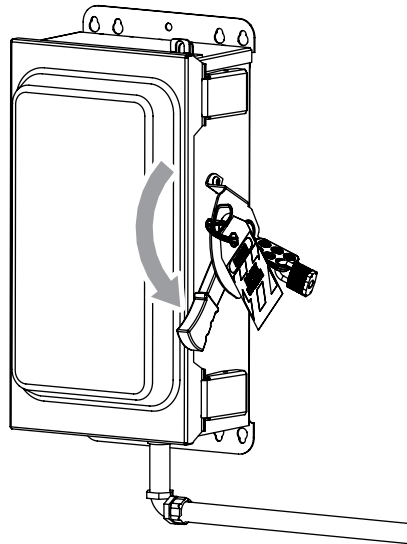
- 1 Hold the RESET and CLOSE buttons on the controller to put the door into Jog Mode.
- 2 Use the OPEN and CLOSE buttons to move the door panel.
The door panel (not the reversing edge) should be 8" off the floor. This allows access to the bottom bracket.

Disconnect Power and Perform Lockout/Tagout

To prevent unexpected movement and exposure to hazardous voltages, disconnect the door from power and perform a lockout/tagout.

- 1 **Locate the disconnect switch.** The disconnect switch may be a fused disconnect located near the System 4® controller or located on the controller itself.

- 2 **Set the disconnect switch to the OFF position.**



- 3 Perform a lockout/tagout on the disconnect switch.

	CAUTION
	Inform all users of the door when the door is out of service and when it is put back into service.

Remove Side Column Covers and Secure Door Panel

To access the drive belt and prevent the door panel from moving, the side column covers are removed and clamps are put into place.

- 1 If the door has SmartSurround, open the side column access panel and disconnect the 01/01 cables.

- 2 Remove the side column covers from both the drive and non-drive side of the door.

	CAUTION Both drive belts must be replaced as the same time. Failure to do so will result in increased wear and damage to the door.
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- 3 Clamp vise grips to the door track just below the bottom roller to secure the panel.

Drive Side Drive Belt Retrofit

Loosen and Remove the Drive Side Drive Belt

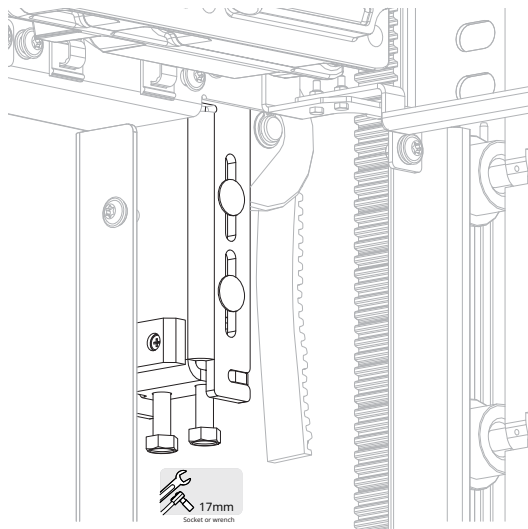
To replace the drive side drive belt and brackets, the old drive belt and brackets are removed.

- 1 On the drive side of the door, loosen the locking nuts (but do not remove) before loosening the tensioner bolts to remove tension from the drive belt. The locking nuts are 13 mm; the tensioner bolts are 17 mm.

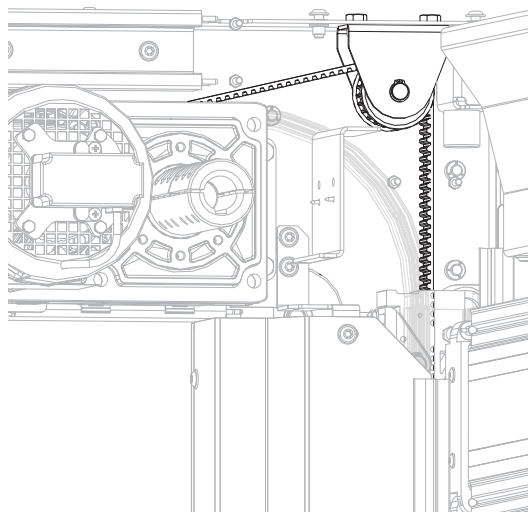


CAUTION

Remain clear of the door panel when loosening the drive belt.

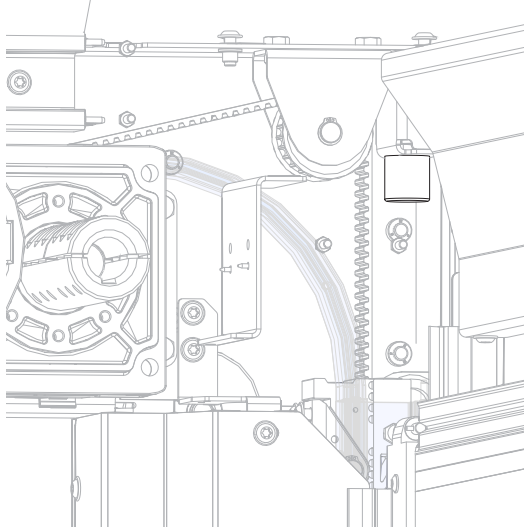


- 2 Remove the upper drive belt pulley by removing the bolts on the top of the console. The upper drive belt bracket assembly is retrofit as part of this service bulletin.



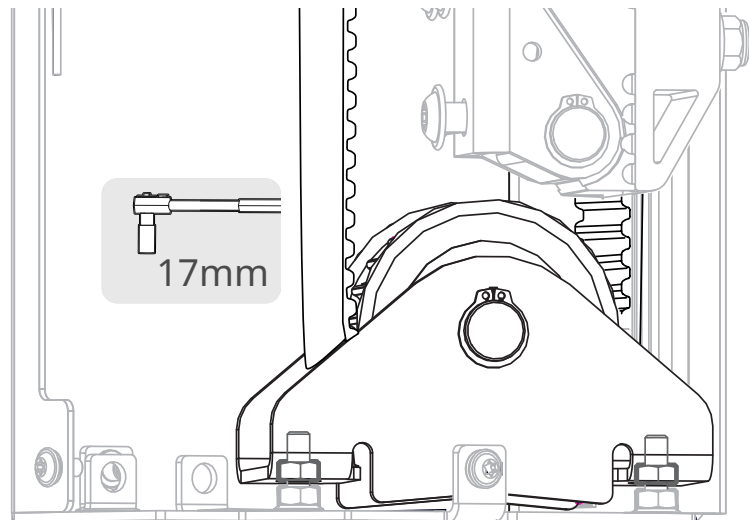
3 Remove the bumper from the console.

The bumper can be discarded. It is not replaced.

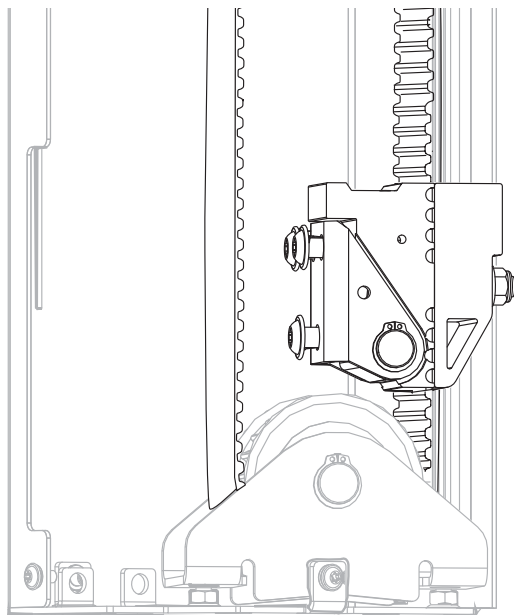


4 Remove the lower drive belt bracket assembly. Remove the nuts on the top of the lower drive bracket.

The lower drive belt bracket assembly is retrofit as part of this service bulletin.



- 5** Remove the pivot block from the door panel by loosening the three screws on the front of the pivot block.

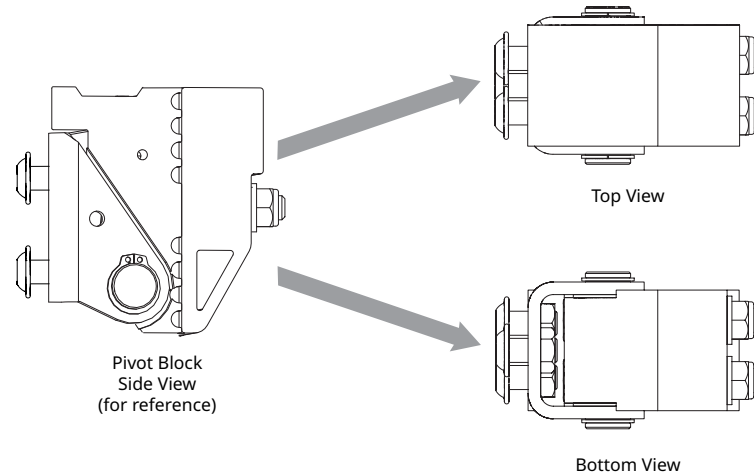


- 6** Release the belt from the pivot block by loosening the two nuts on the back of the pivot block.
- Save the pivot block. Pictures are required for retrofit reimbursement and part of the assembly is reused in the retrofit.
- Unwind the belt from the side column. The belt can be discarded.

Take Pictures of the Previously Used Pivot Blocks

To document the retrofit process, pictures of the drive side and non-drive side pivot blocks are taken.

- 1 For each of the previously used pivot blocks, take a picture of the top and bottom of that pivot block.

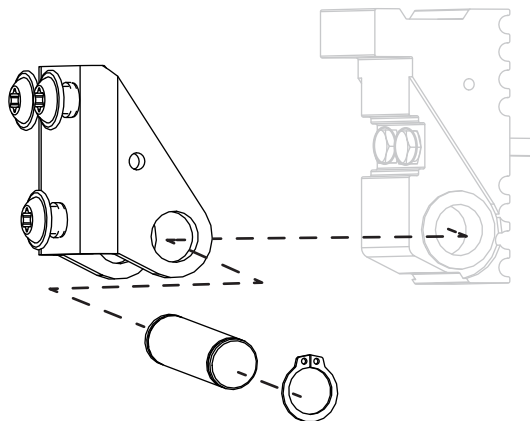


- 2 Include these pictures with the LP Corrective Action Form.

Remove Clamp Bracket

Remove the clamp bracket from the previously used pivot block. Set aside and reuse the clamp bracket, bolts that connect the bracket to the door, shaft, and snap rings.

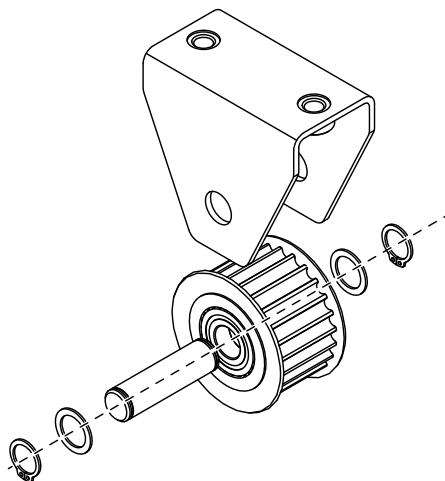
- 1 Remove the snap ring holding the clamp bracket shaft in place.
Do not discard the clamp bracket, shaft, or snap ring. They are reused for the replacement clamp bracket.
The other parts of the clamp bracket can be discarded.



Retrofit Drive Side Upper Drive Belt Bracket Assembly

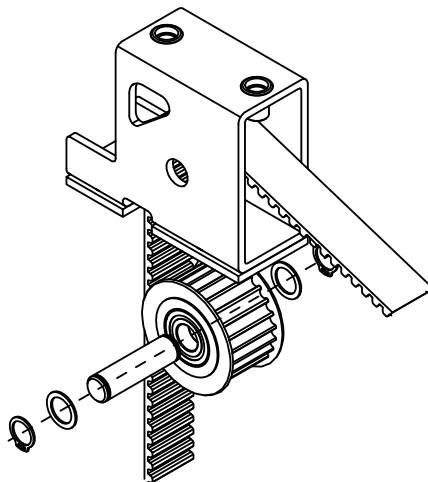
Replace the upper drive belt bracket assembly with the new model.

- 1** Use snap ring pliers to remove the snap rings from the old upper drive belt bracket assembly.
Disassemble the upper drive belt bracket assembly.
Discard the snap rings, shaft, and upper drive belt bracket. Replacements are provided in the retrofit kit.
Do not discard the pulley or shims; they are reused.



- 2** On the ground, assemble the new upper drive belt bracket assembly:

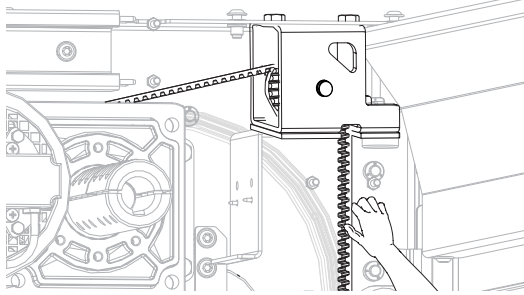
- Feed the belt through the notch on the bottom of the new upper drive belt bracket in the direction shown.
- Assemble the new bracket, pulley, new shaft, and shims. New shims are provided with the retrofit kit to replace worn or damaged shims.
The shims are placed between the bracket and the pulley. Insert shims as needed to eliminate side-to-side wobble of the pulley; the same number of shims must be used on each side so that the pulley remains centered.
- Secure the shaft into place with the new snap rings.



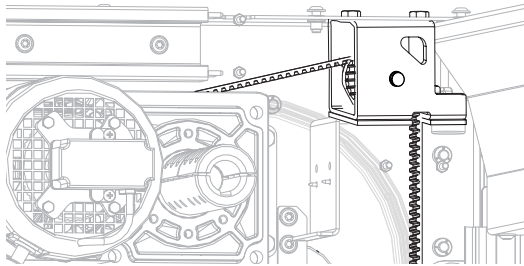
Replace Drive Side Upper Drive Belt Bracket Assembly

- 1 Feed the belt through the drive system.

Verify that the belt is not twisted and that the upper bracket assembly is in the correct orientation for mounting.



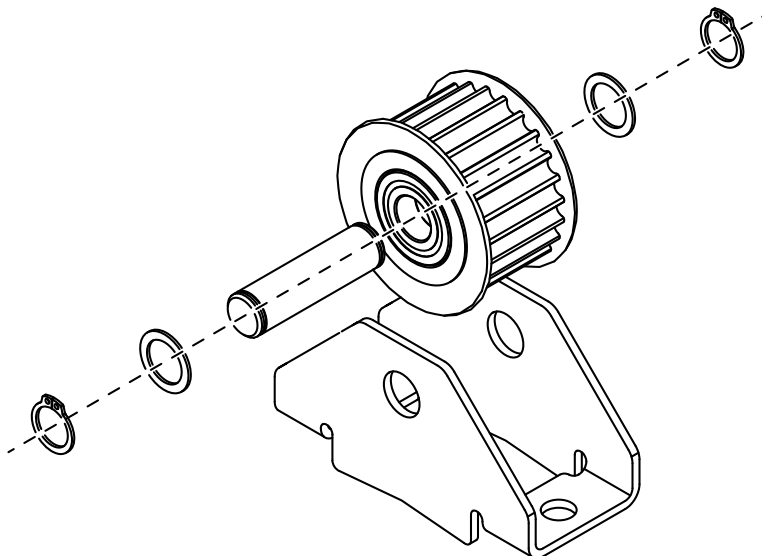
- 2 Secure the upper drive belt bracket assembly into place using the two bolts on the top of the console.



Retrofit Drive Side Lower Drive Belt Bracket Assembly

Replace the lower drive belt bracket assembly with the new model.

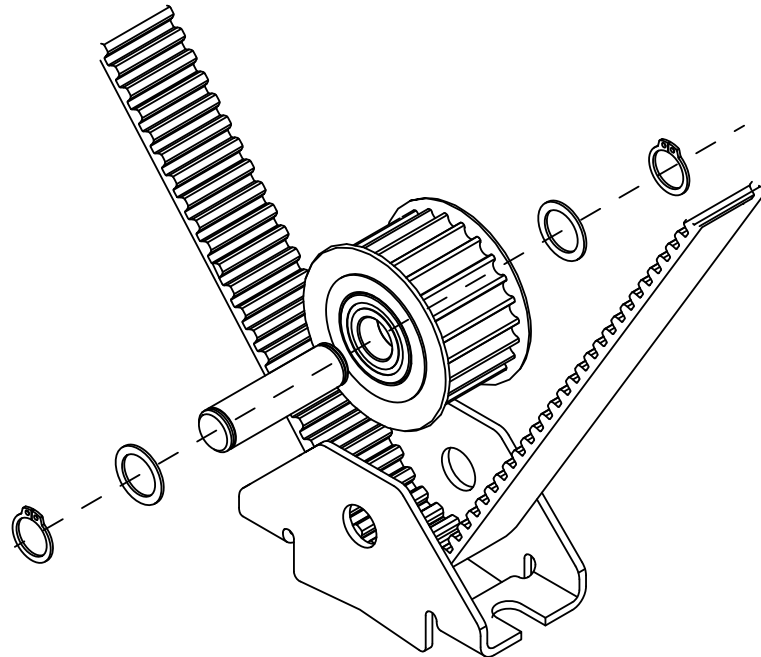
- 1 Use snap ring pliers to remove the snap rings from the old lower drive belt bracket assembly.
Disassemble the lower drive belt bracket assembly.
Discard the snap rings and lower drive belt bracket. Replacements are provided in the retrofit kit.
Do not discard the pulley, shafts, or shims; they are reused.



2

On the ground, assemble the new lower drive belt bracket assembly:

- Place the belt, teeth up, in the bracket. The pulley is placed above the belt. Verify the belt routing from the upper drive belt bracket assembly is straight and does not include any twists.
- Assemble the new bracket, pulley, shaft, and shims. New shims are provided with the retrofit kit to replace worn or damaged shims.
The shims are placed between the bracket and the pulley. Insert shims as needed to eliminate side-to-side wobble of the pulley; the same number of shims must be used on each side so that the pulley remains centered. Secure the shaft into place with the new snap rings.
- Secure the shaft into place with the new snap rings.



Install Drive Side Pivot Block and Lower Belt Bracket Assembly

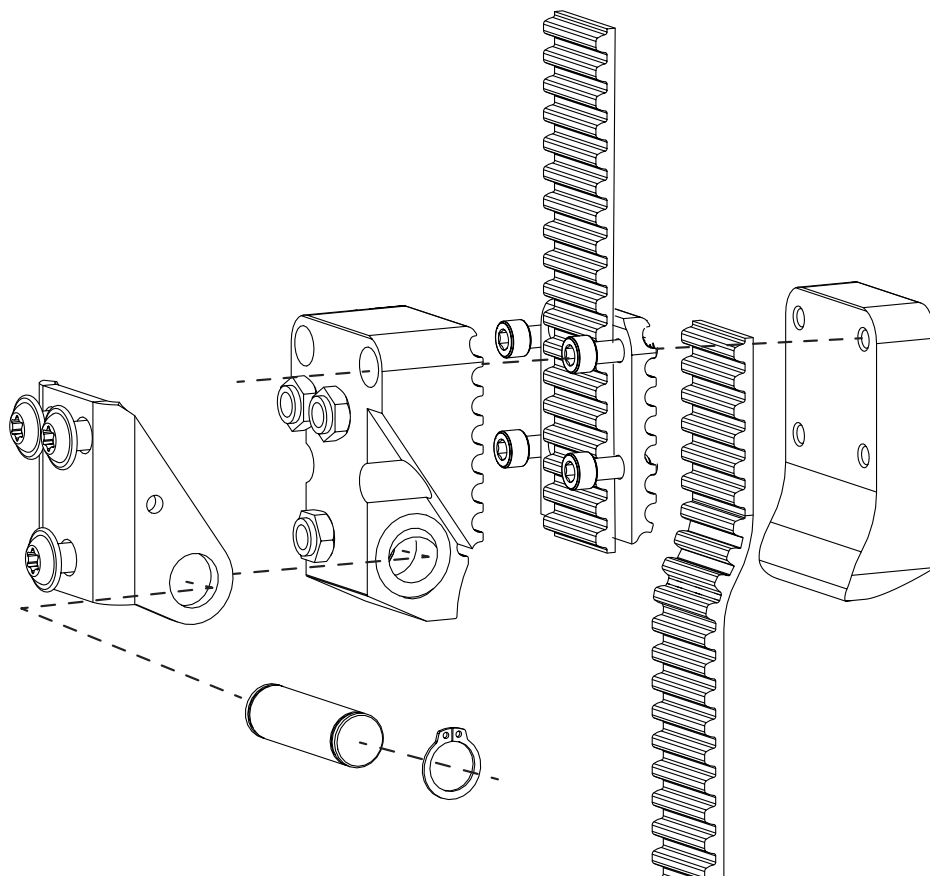
1 Assemble the replacement pivot block:

- The belt from the top of the side column feeds against the notched side of the front block. All 8 belt notches should be used.
- The belt from the bottom of the side column feeds against the flat side of the rear block. The end of the belt is flush with the top of the clamp.
- The middle block is placed between the two ends of the belt. The flat side is placed against the belt from the top of the side column; the notched side is placed against the belt from the bottom of the side column. All 8 belt notches should be used.

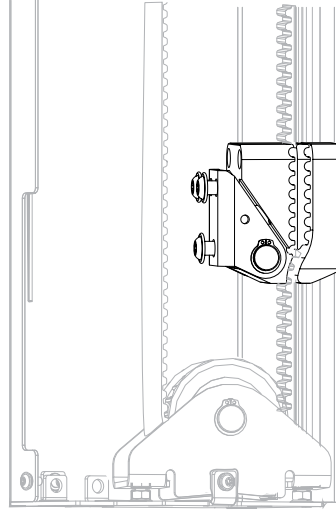
Hold the three sections of the block together. Apply removable Loctite (included in the retrofit kit) to the rear block threads.

Insert the four bolts and tighten in a criss-cross pattern.

Install the previously removed clamp bracket using the shaft and snap ring.

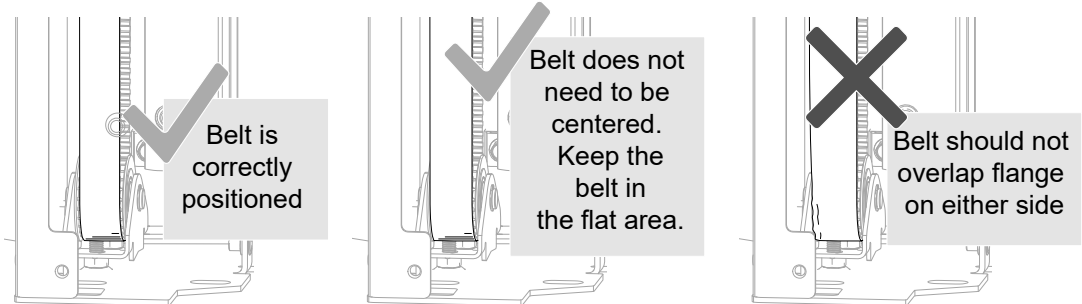


2 Secure the pivot block to the door panel tab.



3 Secure the lower belt bracket assembly into place.

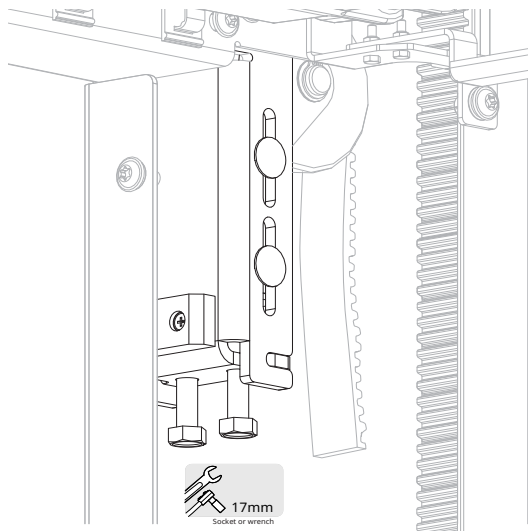
Verify that the belt is routed properly through the side column with no twists.



Set the Drive Side Drive Belt Tension

- 1 On the drive side of the door, tighten the two bolts on the bottom to add tension to the drive belt. Tighten the locking nuts to secure the tension bolts into place. The tensioner bolts are 17 mm; the locking nuts are 13 mm.

The belt is properly tensioned when it takes considerable effort to squeeze it together.



- 2 Remove the vise grips holding the door panel in place.

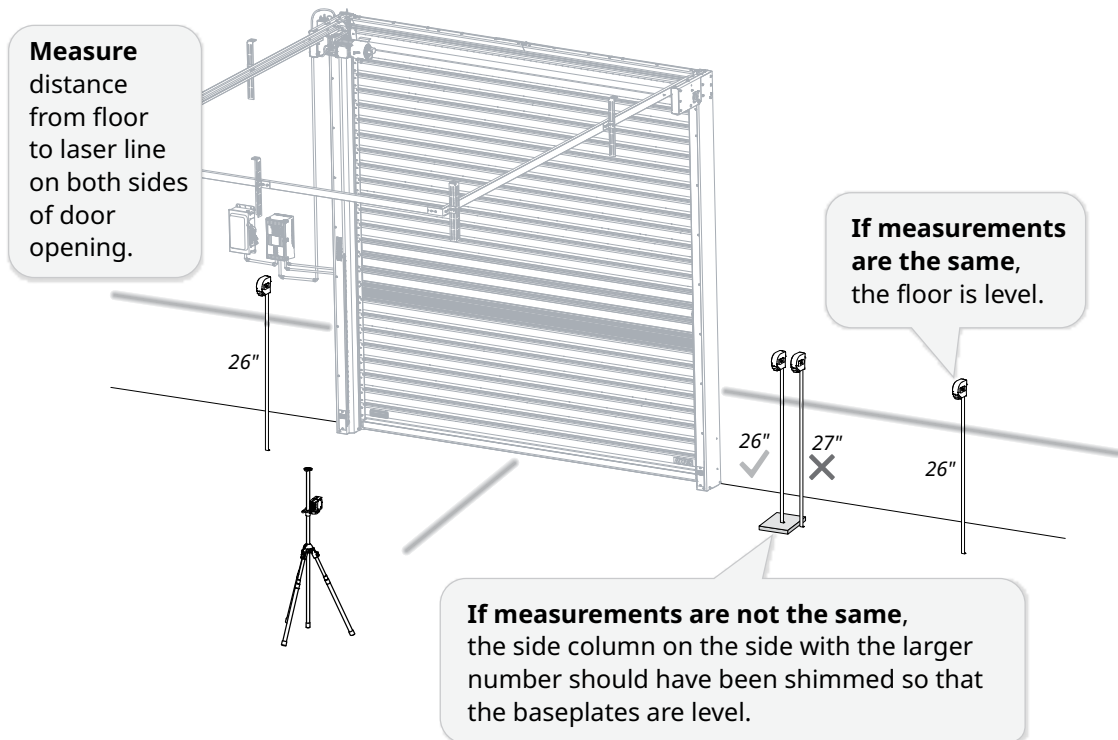
Non-Drive Side Drive Belt Retrofit

- 1 Repeat the steps shown for the non-drive side drive belt. All steps are identical.

Door Inspection

Verify Door Is Plumb, Level, And Square

1 Verify the floor is level.



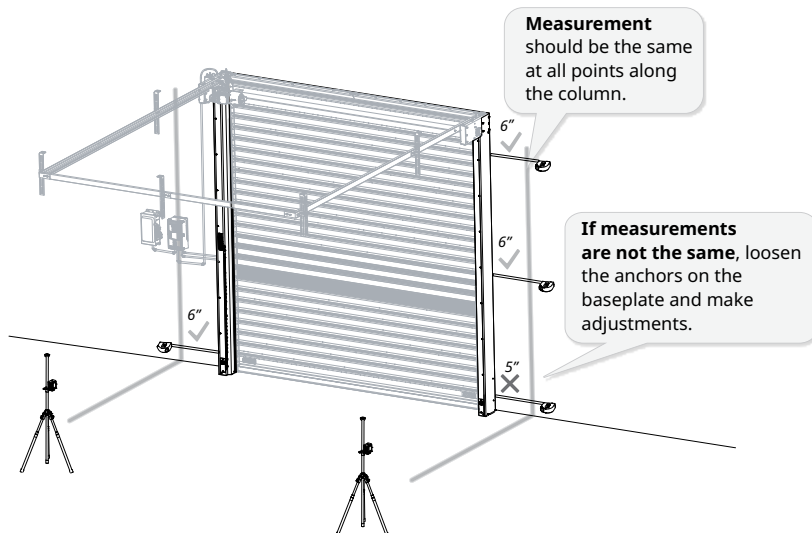
If the floor is not level, the side columns should have been shimmed at install. If they were not, contact Rytec Technical Support.

2 If the floor is not level but the side columns were properly shimmed, Spiral LP has an available optional reversing edge with an extended flap that can be trimmed to match the contour of an uneven floor and create a seal across the door opening.

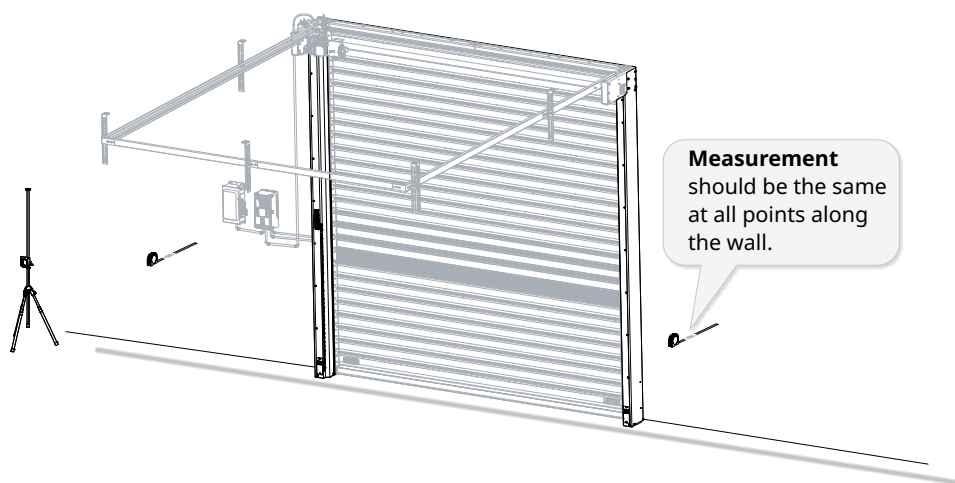
Do NOT skip teeth or manipulate the door panels to compensate for the uneven surface. Doing so can cause improper operation and will void the warranty. Instead, the optional extended flap must be installed to ensure proper sealing and safe operation.

Contact Rytec technical support if the door you are servicing needs this optional feature.

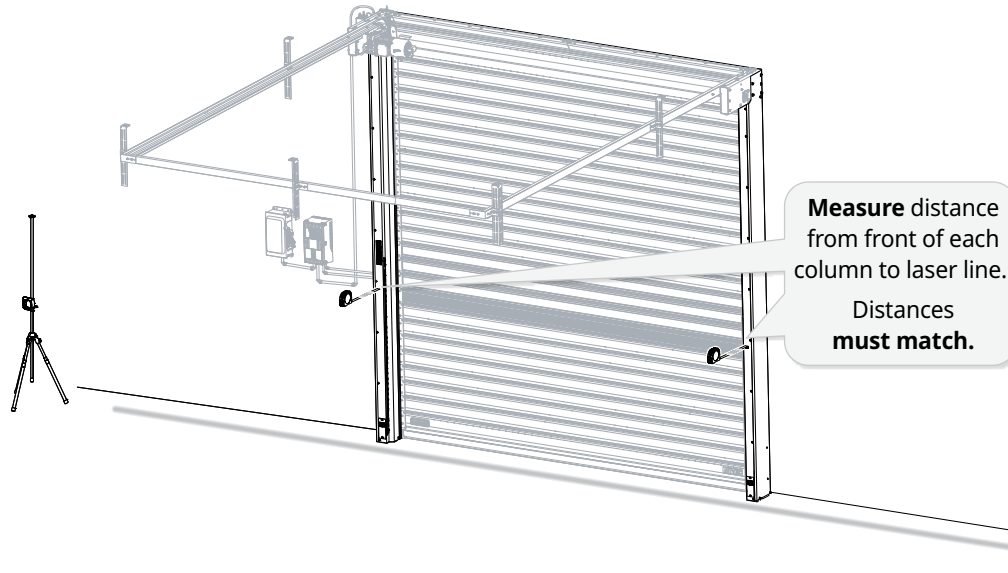
3 Check that both side columns are aligned.



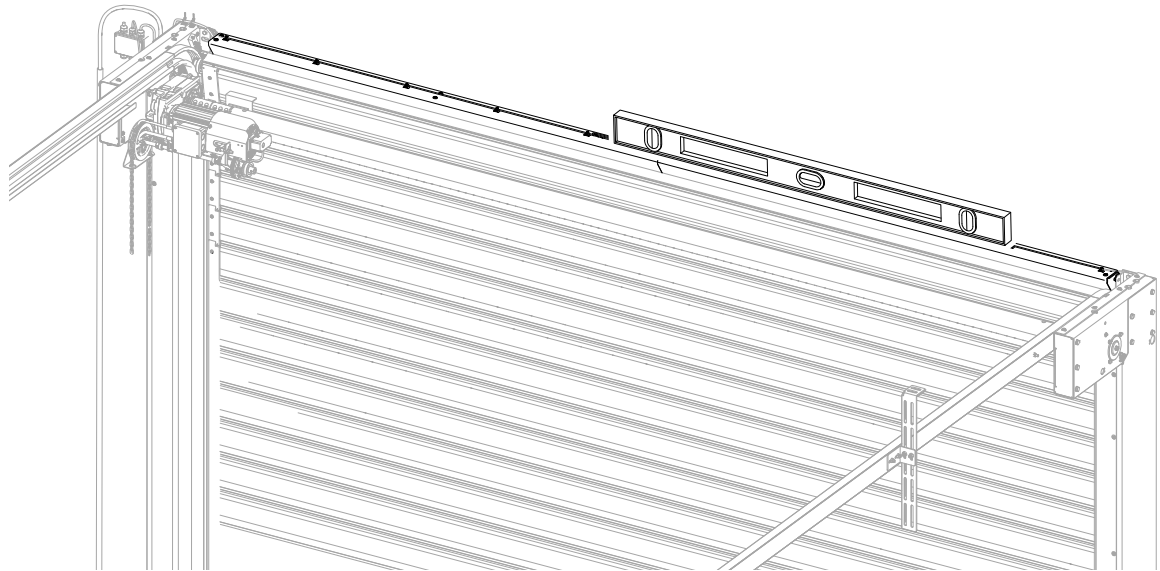
4 Set a laser line parallel to the wall 1" (one inch) in front of columns. Make sure the line is parallel to the wall by measuring it at multiple points along the wall.



5 Plumb the side columns to each other.

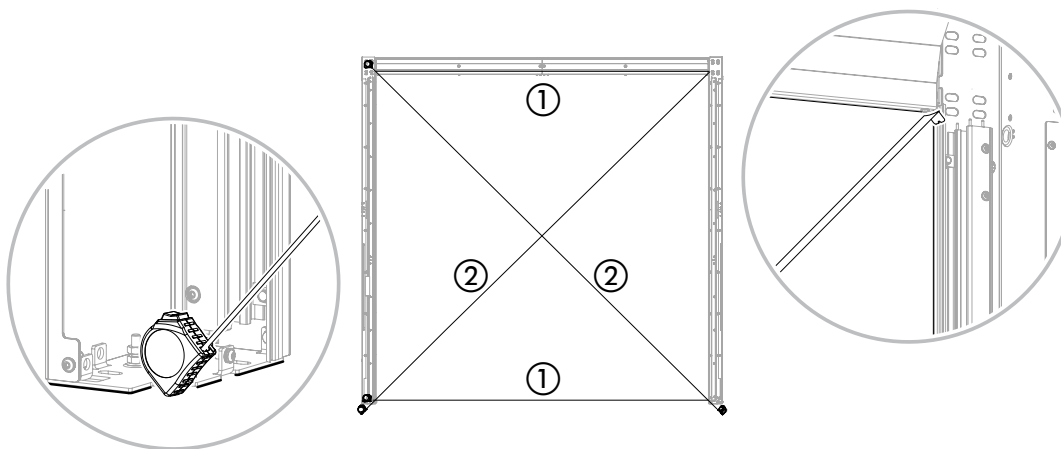


6 At the top of the head assembly, make sure the rear seal is level.



7 Square the door:

- Measure distance between side columns at top and bottom of columns ①.
- Make sure the distances are the same.
- Measure distance from bottom corner of drive side to top corner of non-drive side, then from bottom corner of non-drive side to top corner of drive side ②.
- Make sure the distances are the same.

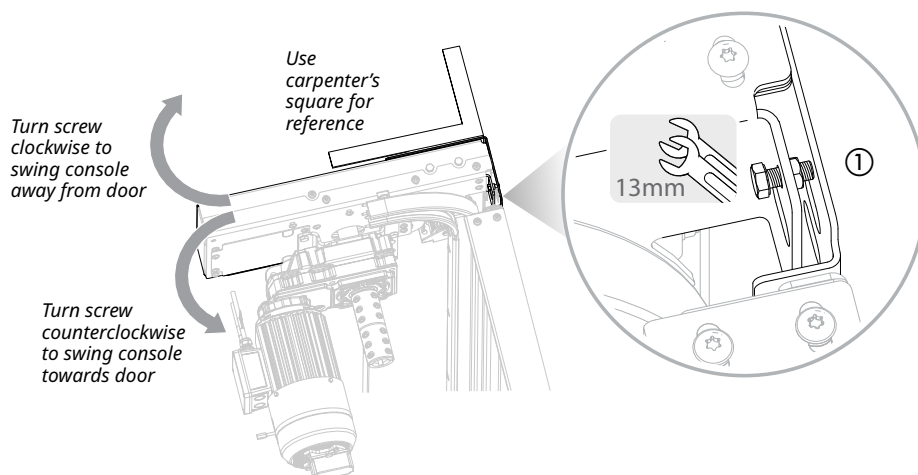


If the door is not plumb, level, and square, contact Rytec Technical Support.

Verify Consoles Are Square

1 Use a carpenter's square to check that each console is squared.

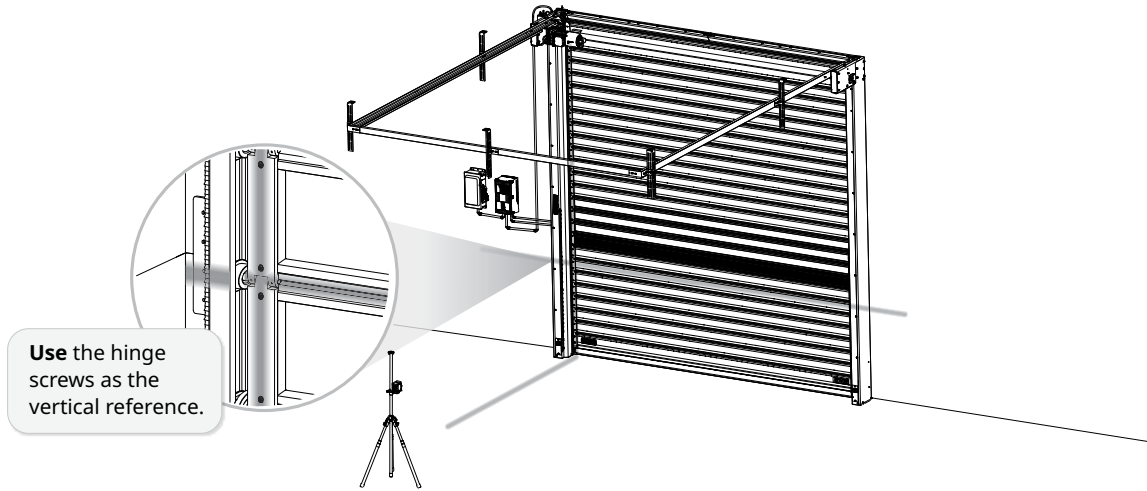
If necessary, turn the rear hex adjustment screw ① to change the angle.



Verify Door Panel Is Level

1 Use a laser level to check that the door is plumb and level.

- Use the bolts on the hinge chain for your vertical reference.
- Use the hinge seal between two slats as your horizontal reference.

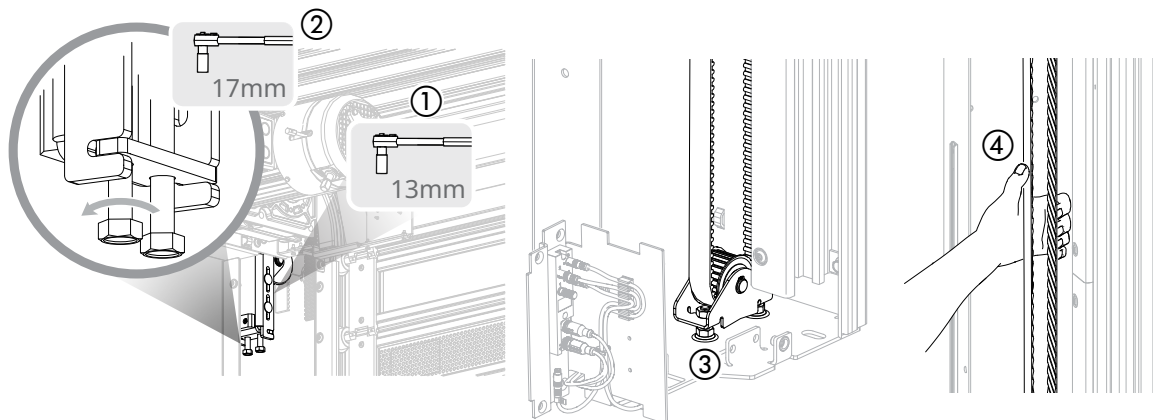


If the door panel is not plumb, contact Rytec Technical Support.

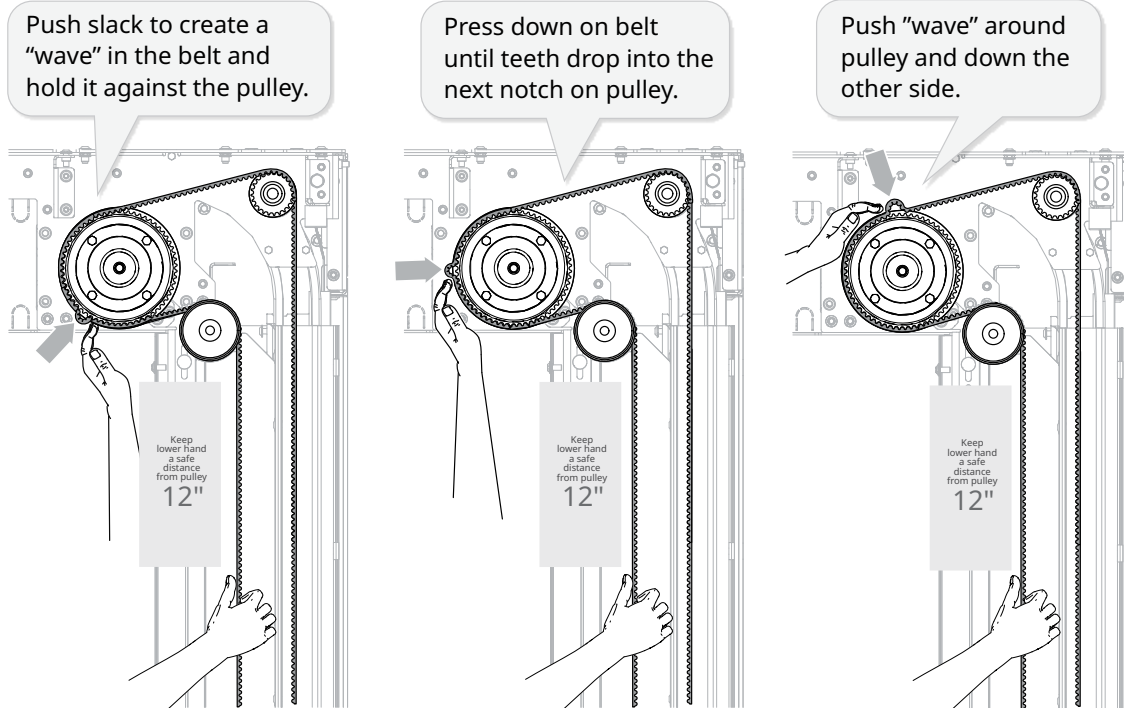
2 If the door panel is not level, adjustments are made on the side of the door panel that is higher.

3 Loosen the drive belt until there is considerable slack.

- Loosen the restraining bolts on the idler bracket ①, then turn the adjustment screw ② counterclockwise until the bracket stops moving forward.
- If necessary, loosen the front nut on the baseplate pulley assembly ③. DO NOT remove the nut.
- Check the belt ④ for slack.



4 In the console with the higher belt, “jump” the secondary drive belt one notch in the pulley.



Adjust the belt one tooth at a time, then recheck level. If the door panel is still not level, repeat this step until they are level.

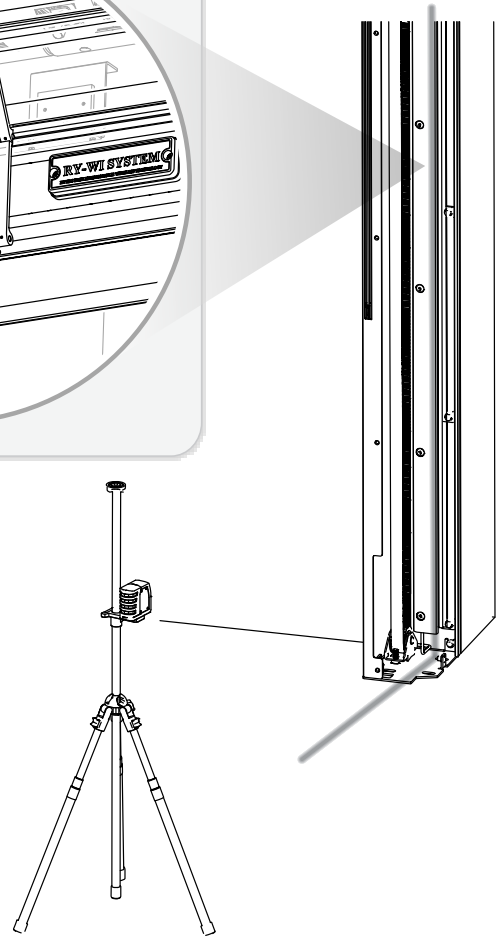
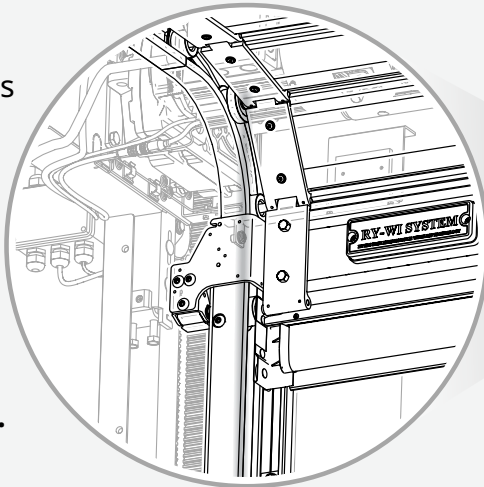
5 Reset the tension on the belt as before.

Verify Door Tracks Are Plumb

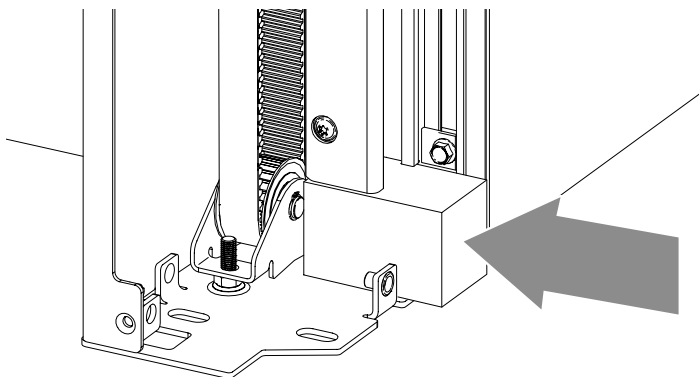
- 1 Remove the lockout/tagout and restore power to the door.
- 2 Place the door into Jog Mode by holding the RESET and CLOSE buttons. Jog the door to the fully open position.
- 3 Remove power from the door and reapply the lockout/tagout.
- 4 Use a laser level to check that the vertical door tracks in each side column are plumb.

The top of the track is secured to the radial track at the console, so it is the **vertical reference**.

Any adjustments to the track position will be made at the **bottom of the track**.

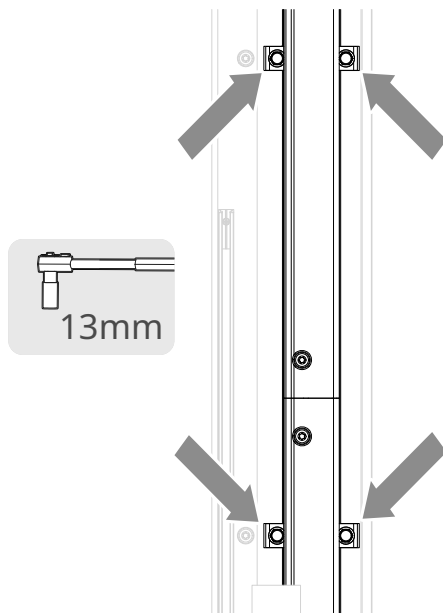


- 5** If either vertical door track is not plumb, place a wood block under the track so it does not drop down when the vertical guide track holders are loosened.

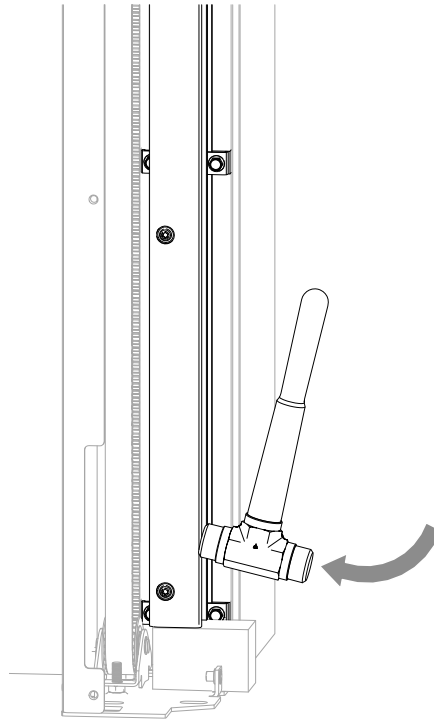


- 6** Loosen the bolts on all of the vertical guide track holders.

- Make sure that all of the holders are loose enough to allow the track to move freely.
- DO NOT loosen beyond this point.
- DO NOT remove any of the holders.

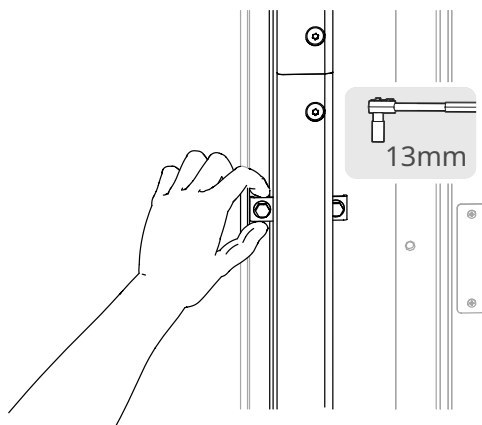


- 7** Use your hands, or taps with a soft-sided or dead blow mallet, to adjust the position of the track the track FROM THE BOTTOM until it is plumb.

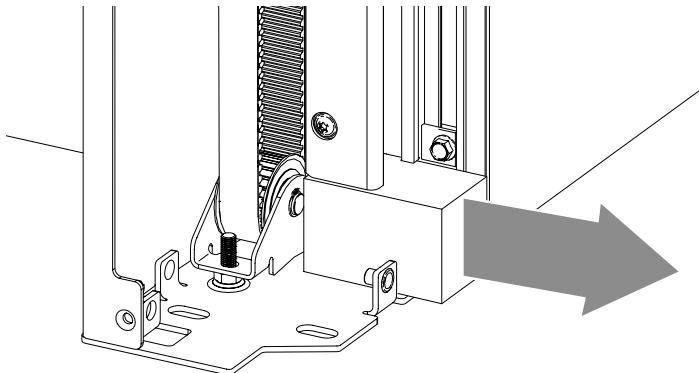


- 8** When the vertical door track is plumb, tighten the bolts on the track holders.

- 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.



- 9** Remove the wood block when you are done.



Inspect and Tighten Encoder and Drill Drive Shaft



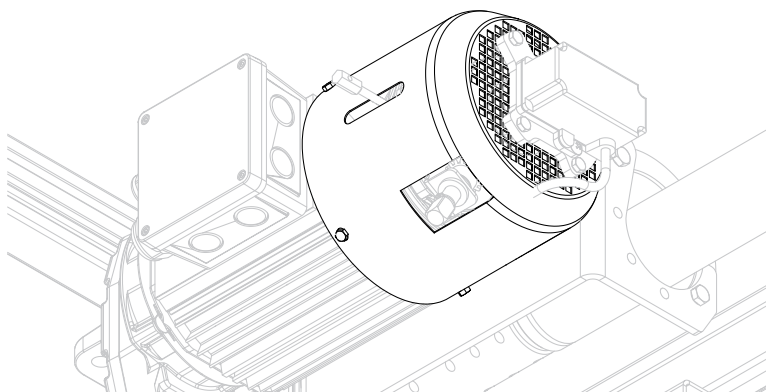
CAUTION

!! IMPORTANT !!

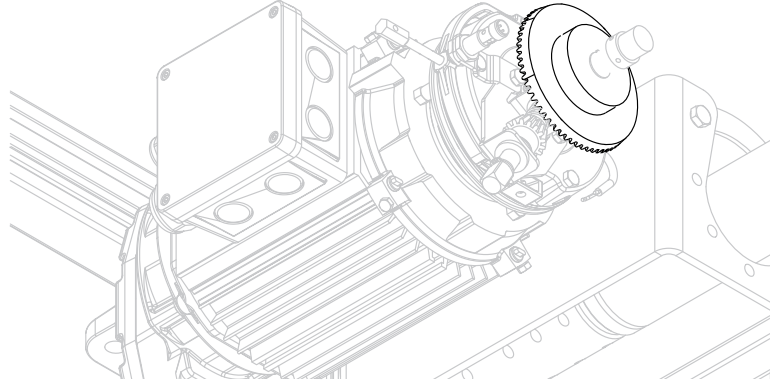
Do not skip this inspection and maintenance. A loose encoder or drill drive shaft will cause excessive door wear and performance issues. This can cause major damage to the door.

- 1** Remove the four bolts holding the motor cover in place.

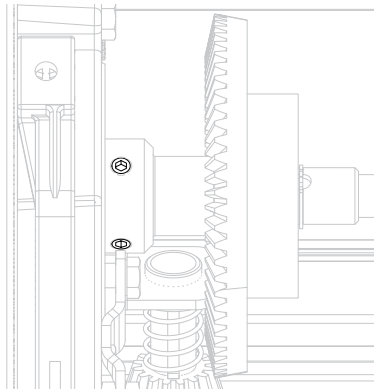
Remove the motor cover from the motor. The encoder and the encoder mounting bracket remain attached to the motor cover.



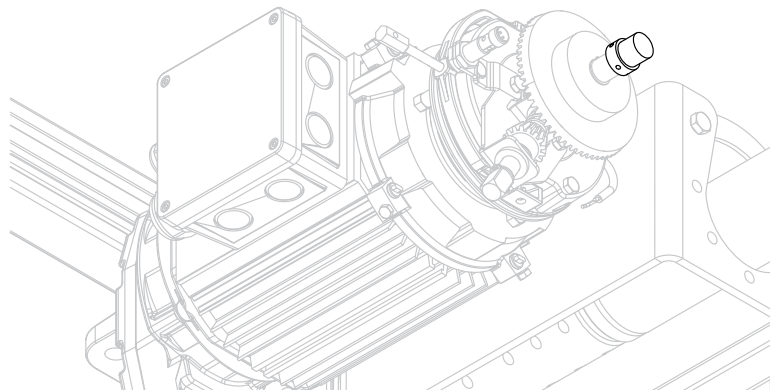
- 2** Locate the drill drive shaft behind the drill drive gear.



- 3** Tighten the two set screws securing the drill drive shaft to the motor. Verify that the drill drive shaft is firmly secured.



- 4** Tighten the two set screws securing the encoder magnet to the drive shaft. Verify the encoder magnet is firmly secured.



- 5** Replace the motor cover and secure it with the previously removed bolts.

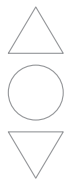
Access Service Level Parameters

Do not execute this procedure at this time. The procedure is referenced in later steps to access the parameters needed to update the door software and programming, synchronize the light curtains, and set the open and close limits.

Do This

Result

1



Spiral
[xxx] Cycles

The door starts in run mode.

2



until the parameter screen displays



P: Password 0
001= [xxx] Cwc

The System 4® Controller enters parameter mode.

3



2X to reach parameter P:999



P: Password 0
999= 0000 #

Navigate to the Password Parameter (999).

4



1X to move cursor to the right (edit value)



P: Password 0
999= 0000_?#

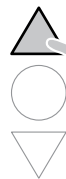
The cursor moves to the right side to edit the parameter value.

The checkmark indicates the displayed value is the current parameter value.

Do This

Result

5



16X to set value to hexadecimal 10



P: Password 0
999= 0010_?#

Set the value to 10 (service level password).

The question mark indicates the displayed value is changed but not yet saved.

6



until question mark changes to checkmark (value saved)



P: Password 5
999= 0010_#

You must press and hold the Reset button for 5 seconds to save edits that you make to a parameter.

The checkmark indicates the displayed value is the current parameter value.

7



1X to move cursor to the left (parameters)



P: Password 0
999= 0010 #

The cursor moves to the left side to select a new parameter.

Update Controller Software

Connect USB Drive

Do This

Result

1 Open the System 4 control box. The system should still be under lockout/tagout and power disconnected.

2 If there is a USB drive in the controller port, remove it.

3 Plug in the USB drive with the updated software.

Do This

Result

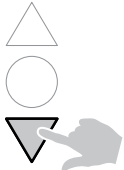
4 Close the control box cover and restore power to the controller and remove the lockout/tagout.

5 Put the controller into parameter mode as shown on page 27.

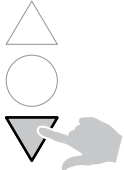
Load New Software

Do This

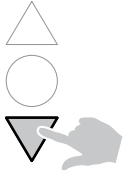
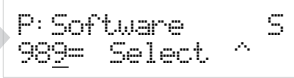
Result

6  to reach parameter P:991

 Navigate to and record the value (42 in this example) of parameter P:991.

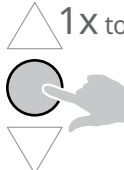
7  to reach parameter P:991

 If the door has a wireless unit, navigate to and record the value (2B7D in this example) of parameter P:F07.

8  to reach parameter P:989

 Navigate to the Software Update Parameter (989). You should see the word "Select" an up arrow.
 If this is not shown, remove power from the controller and verify the USB drive is firmly seated in the controller port.

Do This

Result

9  1X to move cursor to the right (edit value)

 The cursor moves to the right side to edit the parameter value. This may take up to several minutes depending on the size of the software update file.
 Press the RESET button then the OPEN button. The version number of the software update scrolls across the display; verify it matches the expected version number.

10 Press and hold the RESET button until you see a blinking dot or the word "Bootloader" in the display.

NOTE: the blinking dot indicates the controller is reading the USB drive. "Bootloader" indicates the download has begun.

NOTE: the controller will display "I904 Prog." and the progress percentage while it erases the old software, then "I905 Prog." and the progress percentage while it installs the update.

<i>Do This</i>	<i>Result</i>	<i>Do This</i>	<i>Result</i>
11 When the update is complete, the controller returns to run mode and displays an F.964 New Program error code. This is the expected result.		16 When the controller is finished, it goes directly to parameter P.000 or P.001.	
12 Put the controller into parameter mode as shown on page 27. The controller goes directly to parameter P.990 (Factory Settings).		17 Navigate to parameter P.944. Edit the parameter and press UP three times. Values 1 and 2 are skipped and the first parameter file is selected. The parameter shows 0001 when the correct file is selected.	
13 Set the value of parameter P.990 to 1. The display shows "Factory Default" while the controller sets the default parameter values for the new operating system. NOTE: this may take several minutes.		18 The download may start immediately; you see a blinking dot on top of the blinking cursor. If the download does not start, hold the RESET button until the blinking dot appears. The download may take several minutes. When complete, the parameter file name is shown with a checkmark. Repeat steps 17 and 18 until all parameter files are loaded.	
14 When the controller is finished, it goes directly to parameter P.991 (Door Profile). The display shows a dash.		19 If the door has a wireless unit, navigate to parameter P.F07 and enter the mobile unit address recorded earlier.	
15 Set the value of parameter P.991 to the value recorded earlier. The display shows "Factory Default" while the controller sets the default parameter values for the door profile.		20 If the door has SmartSurround, continue with "Synchronize SmartSurround Light Curtains" on page 30. If the door does not have SmartSurround, exit parameters mode and skip to "Set Door Limits" on page 32.	

Synchronize SmartSurround Light Curtains

Do This

Result

- 1 Place the controller into Parameter Mode as shown on page 27.

- 2  until parameter 201 displays

 L: SAI Slot2 S
201= - #

The controller may automatically go to parameter L:201 to synchronize the light curtains.

If it does not, navigate to L:201.

Note: The parameter values for L:201, L:401, and L:501 shown are for example purposes; your values will differ.

- 3  1X to show the first set of light curtains

 L: SAI Slot2 S
201=1234-1234?

Check the light curtains mounted in the door track.

- If the four LEDs are flashing (transmitter: green and yellow; receiver: blue and red) the correct light curtain is selected.

- 4 If the current light curtain is **not selected** in the previous step, press the RESET button again and recheck.

- 5  until the setting is saved

 L: SAI Slot2 S
201=1234-1234✓

Do This

Result

- 6

L: SAI Slot4 S
401= - #

The controller moves to parameter L:401.

- 7

Identify the **inside** light curtains. This allows for proper traffic detection.

- For doors mounted to interior walls, the **cover mounted** light curtains are the inside set.
- For doors mounted to exterior walls, the **jamb mounted** light curtains are the inside set.

- 8

 1X to show the first set of light curtains

 L: SAI Slot4 S
401=5678-5678?

Check the **inside** light curtains.

- If the LEDs are illuminated on the inside light curtain, the correct light curtain is selected.

- 9

If the current light curtain is **not selected** in the previous step, press the RESET button again and recheck.

- 10

 until the setting is saved

 L: SAI Slot4 S
401=5678-5678✓

11

```
L: SAI Slot5 5
501= - #
```

The controller moves to parameter L:501.

12

Identify the **outside** light curtains. This allows for proper traffic detection.

- For doors mounted to interior walls, the **jamb mounted** light curtains are the inside set.
- For doors mounted to exterior walls, the **cover mounted** light curtains are the inside set.

13



1X to show the first set of light curtains

```
L: SAI Slot5 5
501=90AB-90AB?
```

Check the **outside** light curtains.

- If the LEDs are illuminated on the outside light curtain, the correct light curtain is selected.

14

If the current light curtain is **not selected** in the previous step, press the RESET button again and recheck.

15



until the

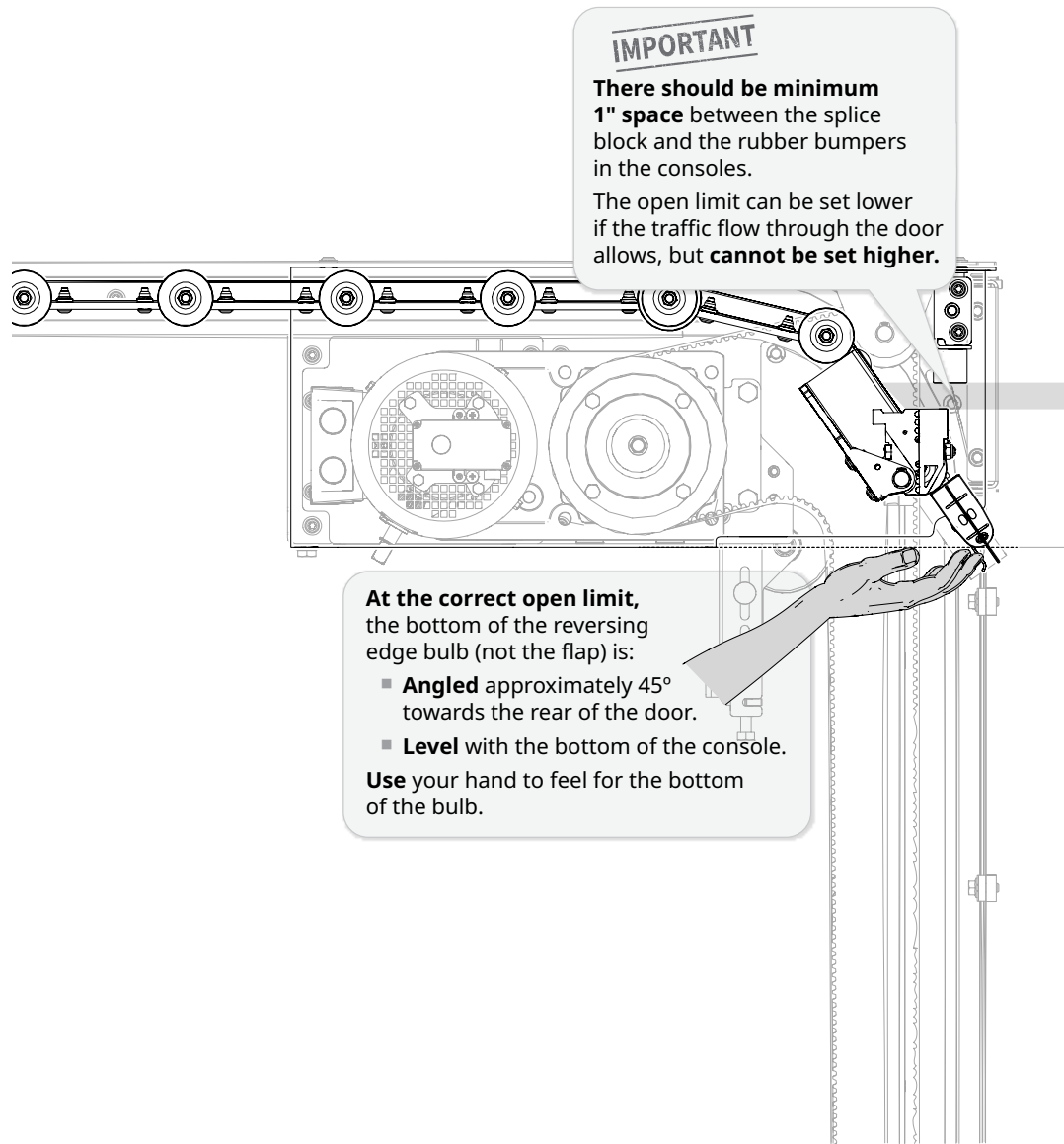
```
L: SAI Slot5 5
501=90AB-90AB✓
```

The controller returns to parameter P:000.

Set Door Limits

Identifying the Correct Close and Open Limits

1 Identify the correct open limit for Spiral LP.

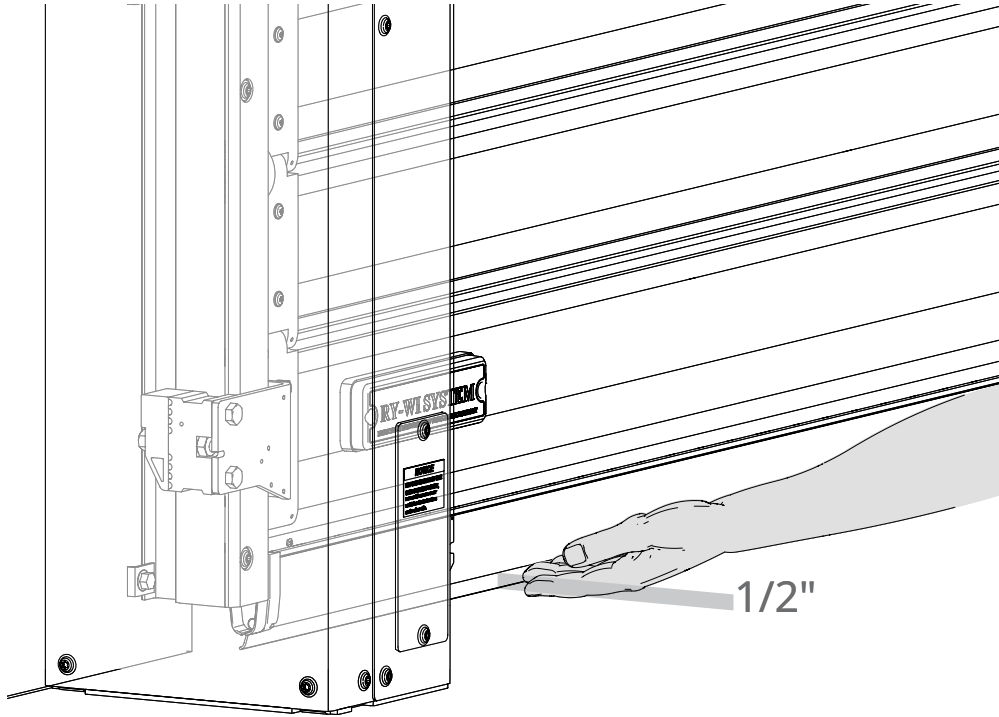


Do not use the lintel to set the door height, as the lintel may not be accurate. The maximum upper limit must be set so that the bottom of the reversing edge bulb is flush with the bottom of the console, as shown in the illustration below.

Setting the limit higher than this can cause improper operation and potential damage to the door.

2

Identify the correct close limit for Spiral LP; the close limit is automatically set but should be verified.



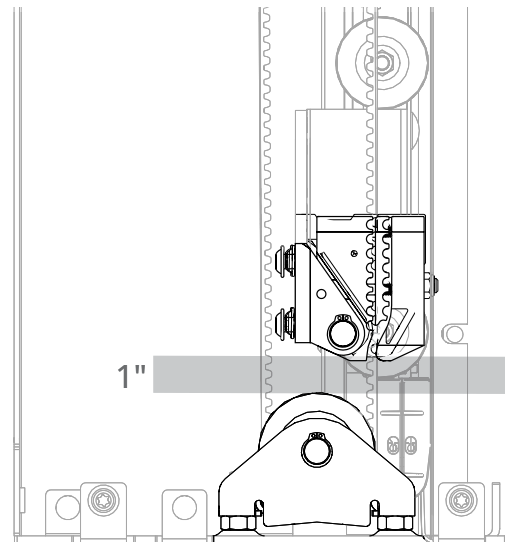
The door is at the correct **close limit** when there is a **1" clearance** between the splice blocks and the baseplate pulley assemblies.

The bottom of the reversing edge should be **1/2" (roughly the width of a finger) off the floor** and the flap on the bottom dimples to create a seal.

The reversing edge should **NOT** touch the floor.

For sites with **uneven floors**, the Spiral LP offers an optional extender to the reversing edge which can be trimmed to match the floor and form a seal.

Contact Rytec technical support if the door you are servicing needs this optional feature.



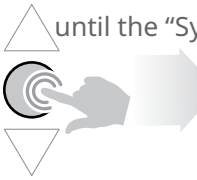
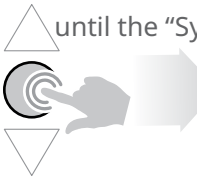
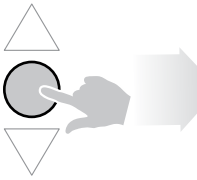
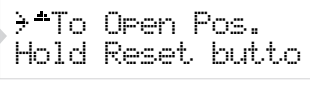
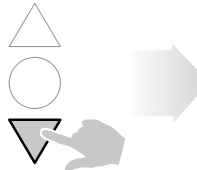
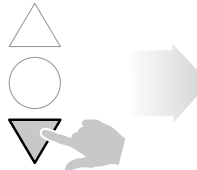
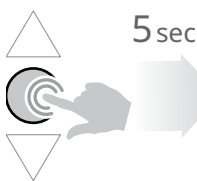
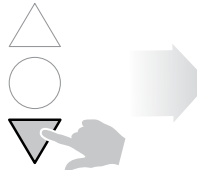
The door is at the correct close limit when there is a 1" clearance between the splice blocks and the baseplate pulley assemblies.

The bottom of the reversing edge should be 1/2" (roughly the width of a finger) off the floor and the flap on the bottom dimples to create a seal.

The reversing edge should **NOT** touch the floor.

For sites with uneven floors, the Spiral LP offers an optional extender to the reversing edge which can be trimmed to match the floor and form a seal. Contact Rytec technical support if the door you are servicing needs this optional feature.

Begin Limits Sequence

Do This	Result
1  until the "Synchron." screen appears "Press Reset to begin" is displayed on controller. Press the Reset button to begin the limits sequence.	 The controller performs a quality check. Messages "LGx Qual. Check" and "Synchron." are displayed once complete. Scrolling message "Press Close button to begin."
2   You can now set the value for the open position limit.	5  The door closes when showing a "Search Edge" message. At the bottom, scrolling message "Press Open Button to begin."
3  until open position is correct Set the open position limit value: - Press the UP arrow or the DOWN arrow to move the door to the correct position. - Each press moves the door by a small increment. Press and hold to move the door more quickly.	6  Press the Open button. The automatic limits sequence begins. - The door opens and closes up to 12 times. It may not open or close completely; this is normal operation. - The controller automatically sets the close limit when the door operates. - When complete, the door switches to Run Mode.
4  5 sec. Press and hold the Reset button for 5 seconds to save the open limit.	7  CAUTION Keep the area around the door clear of obstructions and do not allow people or vehicles to pass through the door until the automatic calibration is complete. The door can open or close unexpectedly, resulting in injury.

Manually Adjust Close Limit

	NOTICE
	This procedure is for making small adjustments (up to 1 inch) to the close limit.

Do This

Result

- 1 If necessary, place the controller into Parameter Mode as shown on page 27.

- 2  until parameter 275 displays


The current value is shown.

- 3  1X to move cursor to the right (edit value)


The cursor moves to the right side to edit the parameter value.

	NOTICE
	1 Inc (increment) is roughly 1/16 inch.

- 4  to change parameter value

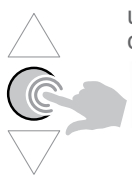
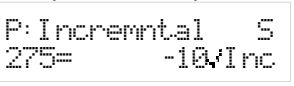
 - Press the UP arrow to increase Inc.
 - Press the DOWN arrow to decrease Inc.

The question mark indicates the displayed value is changed but not yet saved.

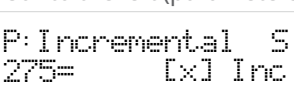
	NOTICE
	Do not change the value by more than 10 Inc before testing the door. Overcorrection of the limit may damage the door.

Do This

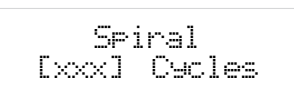
Result

- 5  until question mark changes to checkmark (value saved)


The new value is saved. The checkmark indicates the displayed value is the current parameter value.

- 6  1X to move cursor to the left (parameters)


The cursor moves to the left side to select a new parameter.

- 7 


The door returns to run mode.

Test Belt Tracking

- 1 Put the Jog Mode by holding RESET and CLOSE.
- 2 Jog the door up and down while watching the drive belts. Ensure the belts are tracking properly, and there is no binding, skipping, or twisting.
- 3 Run the door through 5 full open/close cycles. Verify the manually adjusted limits are correct, the door panel moves smoothly, the door is not unusually noisy, and there is no binding during operation.
 - Door panel moves smoothly
 - Door is not unusually noisy
 - Door limits are correct

Reinstall Side Column Covers and SmartSurround Connection

- 1 Replace the side column covers on the drive and non-drive side columns.
- 2 If the door has SmartSurround, reconnect the 01/01 connectors at the bottom of the side column and replace the access panel.

Test Door

- 1 Run the door through ten or more full operating cycles, verifying the following elements:
 - The Open and Close limits are correct and do not change during door operation.
 - There is not excessive noise or vibration from the door.
 - If the door has SmartSurround, that the SmartSurround light sequence is properly illuminated.
- 2 While the door is closing, use a tool or other object to interrupt the door line. Do not walk through the door opening while the door is closing. Verify that:
 - The door reverses when the door comes into contact with the reversing edge.
 - If the door has SmartSurround, that the SmartSurround detection sequence is properly illuminated.