

Summary	Replacing spring straps on drive side of Spiral LH (Low Head Room) S-Size (14")				
Products Affected	Spiral LH (Low Head Room) S-Size (14") side columns.				
Key Word Tags	SD, LH, S, Spring Belt, Replacement				
Tools/Equipment (If Required)	Metric Wrenches, Sockets, Phillips Screw Driver, Extensions, Universal Joints, Torx Wrenches, Ladder or Lift				
Parts/Materials (If Required)	CUT LGTH 40 MM BLUE BELT ASSY (length will vary) R217872				
Related Media					
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Please Read The Entire Bulletin Before Proceeding

This bulletin describes the replacement procedure for the blue spring strap for the Spiral LH S-Size model doors for the drive side console.

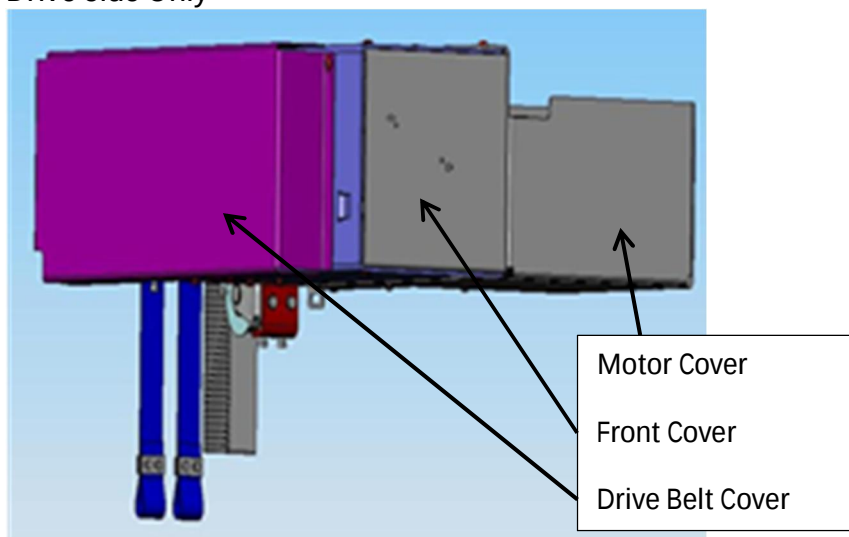
Proper tools, socket wrench, extensions, universal joints and a torx head bits will make the replacement process easier. Removal of cover pieces for the drive side will also assist visibility during replacement. There are three cover pieces that can be removed; motor drive belt cover, front cover and motor cover. These are the only pieces that can be removed from the console. DO NOT attempt to remove any other pieces.

Place the door in the full open position.

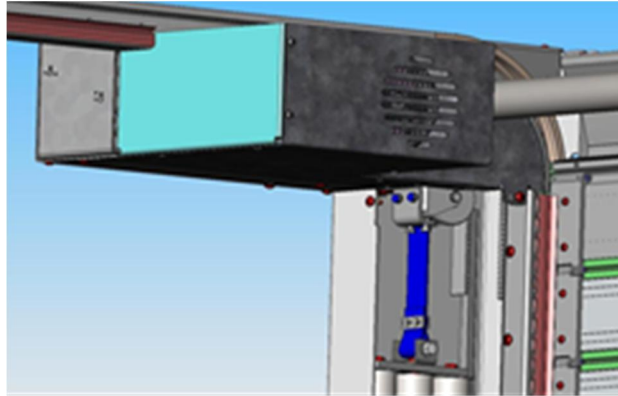
WARNING

The disconnect must be in the OFF position and properly locked and tagged before performing this procedure.

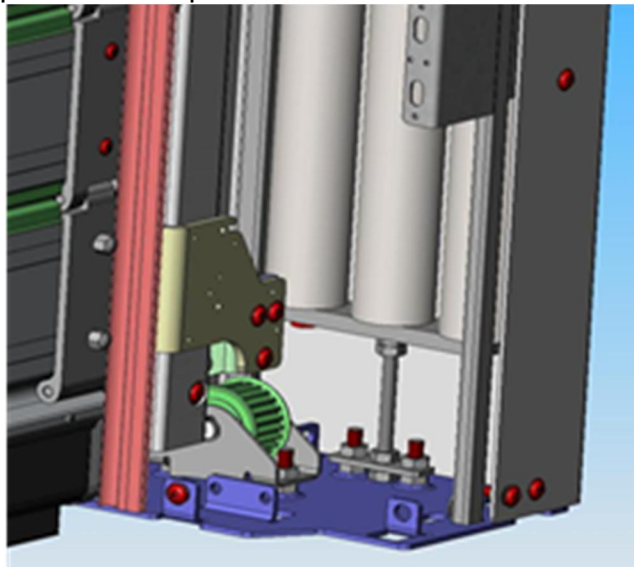
Drive Side Only



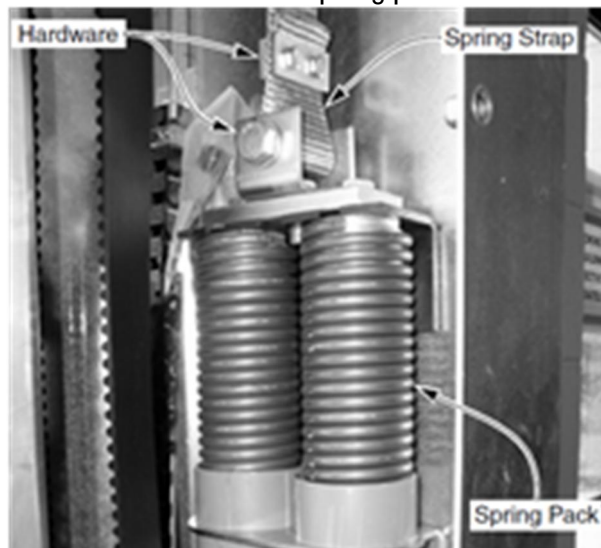
1. Remove the side column cover.



2. Remove the spring pack from the posts at the bottom of the side column.

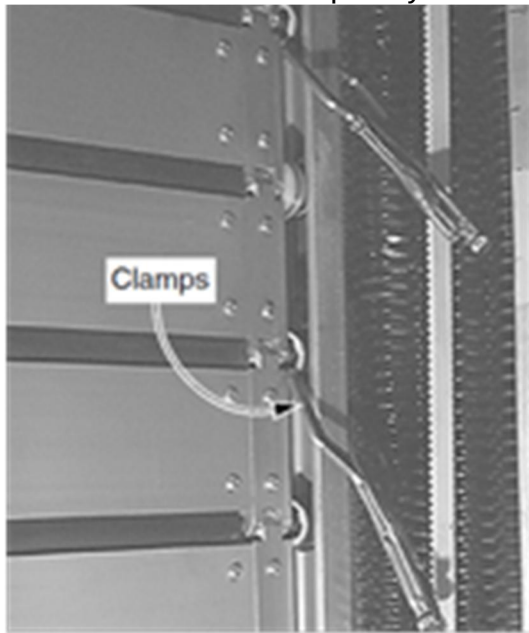


3. Remove the shoulder bolt that attaches the spring pack to the blue spring strap.

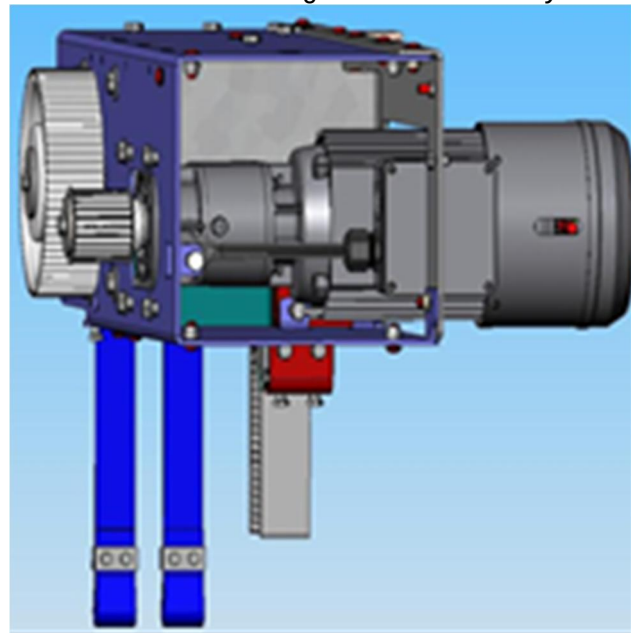


NOTE: Spring Pack May Contain 1-3 Springs Per Pack

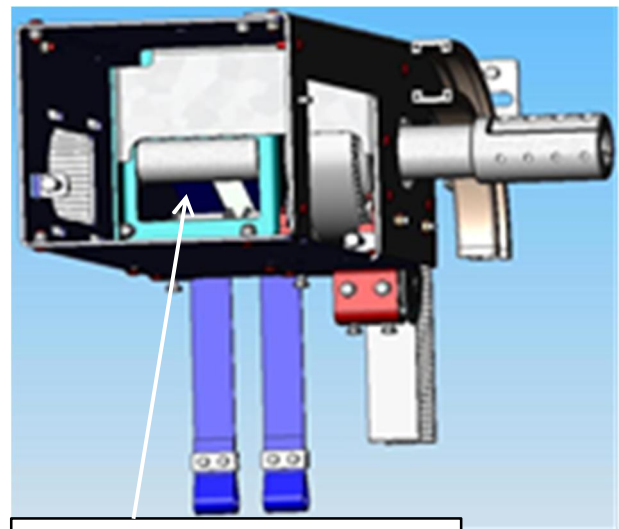
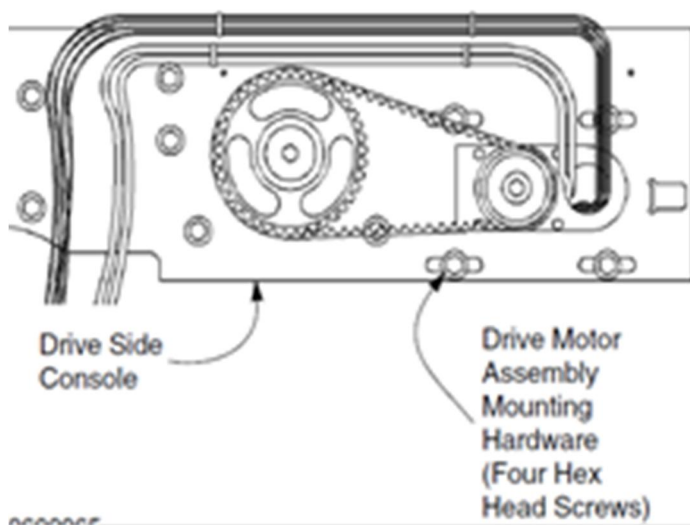
4. Remove the bracket the holds the springs in the side column (plastic sleeves).
5. Remove the spring pack from the side column.
6. Remove the spring strap clamps from the blue spring straps. These will be re-used on the replacement strap.
7. Remove the drive belt cover, front face cover and motor cover of the console. This will allow access to the straps clamped to the shaft. NOTE: The motor covers the access hole for the clamping plates for the spring strap. Therefore, the motor must be removed to replace the blue spring straps. CAUTION: WHEN THE DRIVE BELT IS REMOVED FROM THE MOTOR THERE IS NOTHING TO PREVENT THE DOOR FROM MOVING. CLAMP THE DOOR TO PREVENT MOVEMENT. DO NOT place your hands inside the console during movement at any time.



Door Secured



Covers Removed

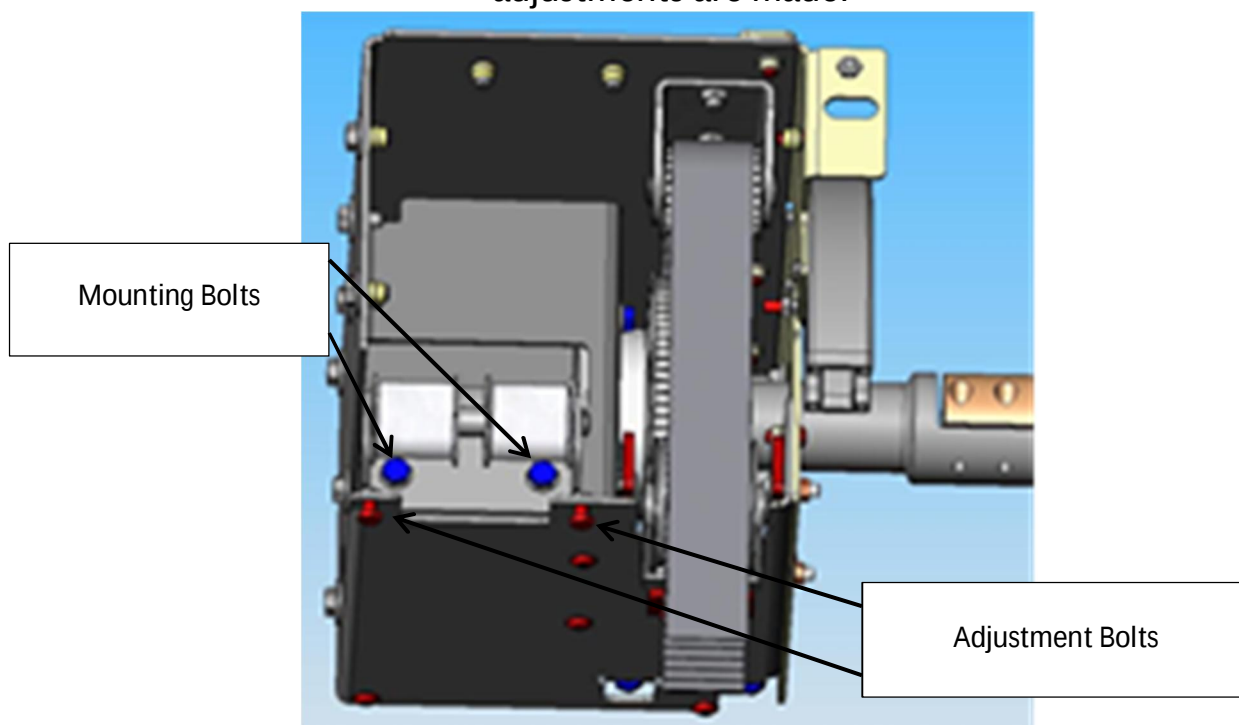


The screws that attach the belt to the shaft can be accessed through this hole.

8. Remove the end of the strap on the shaft in the console. NOTE: Count the pre-wraps of strap on the shaft before removal. The same amount of pre-wraps will need to be placed for the replacement strap.
9. Install the replacement strap with the proper amount of pre-wraps. IMPORTANT: The pre-wraps must be tight and in alignment on the shaft. If you fail to align properly the strap may spiral off the shaft and cause premature wear to the replacement strap.
10. Drop the straps down into the side column.
11. Re-install the motor and drive belt.
12. Reattach the spring strap to the spring pack using the clamp removed in the previous step.
13. Reattach the springs to the posts at the bottom of the side column.
14. Turn power on to the door and test operation of the door.
15. During travel visually inspect the spring strap for proper travel and alignment.
16. Look through the front of the console to insure the strap is wrapping directly over the previous wrap. NOTE: If strap begins to roll off to one side and adjustment must be made or premature wear may occur.
17. If the strap is rolling off an adjustment to the white plastic guide roller can be made. There are two bolts on the bracket that holds the white roller that mount the roller to the console. Loosen those two bolts. Directly underneath the white roller are two bolt heads sticking out of the bottom of the console. These bolts can be turned in or out twisting the roller bracket either left or right steering the spring strap in the correct direction. Be sure to tighten down all nuts and bolts after adjustments are made.

WARNING

The disconnect must be in the OFF position and properly locked and tagged before adjustments are made.



18. Replace all covers after you've confirmed operation of the door and travel of the spring strap.

NOTE: The limits may need to be adjusted or reset after making this adjustment. See the System 3 or 4 Drive & Control manual for this procedure. To reset limits parameter P:210 must be set to 5. Small adjustments to the open and closed can be performed through parameters P:221 close & P:231 open.

Please contact Rytec Customer Support at 1-800-628-1909 with any questions.