

Summary	Replacing the reversing edge and energy chain for Spiral SST-L/R model door.				
Products Affected	Spiral SST-L/R model doors.				
Key Word Tags	Reversing Edge, Energy Chain, Replacement				
Tools/Equipment (If Required)	Torx Wrenches, Metric Wrenches, Phillips Screw Driver, Terminal Screw Driver, Clamps				
Parts/Materials (If Required)	ASSEMBLY, REVERSING EDGE LH R1070776-1 OR ASSEMBLY, REVERSING EDGE RH R1070776-2 ENERGY CHAIN,(-40+130 C) R08120607				
Related Media					
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Please Read The Entire Bulletin Before Proceeding

Replacing the reversing edge and energy chain for the Spiral model door is a simple process. However, the process has very specific steps which must be followed. The following instructions will help guide you through this process.

Removing the reversing edge:

1. Position the door at a comfortable working height.
2. Disconnect power.



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

3. Remove both side column covers.
4. Remove the front portion of the guide (face). (See Figures 1 & 2).



Figure 1

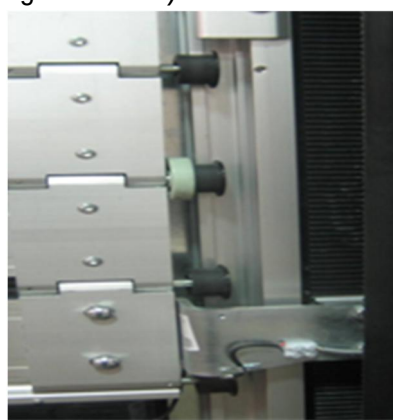


Figure 2

5. Place clamps above and below the rollers on both ends to prevent the door from moving (Be sure the clamps are tight and reliable). Remove the face of the track. (See Figures 3a & 3b).

NOTE: Optional for safety purposes you can place the forks of a lift truck under the door edge as a safety measure should the clamps fail.

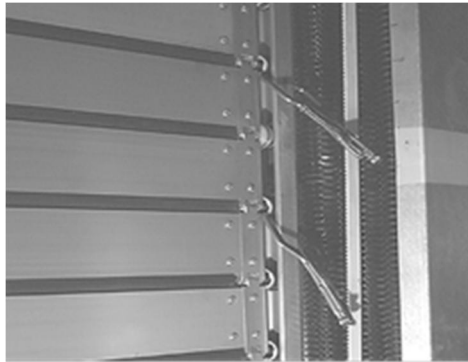


Figure 3a
Before Removing Face of Track



Figure 3b
After Removign Face of Track

6. Remove the wires from the white terminal block and P-clips. DO NOT throw the P-clips away you will need them again to install the new reversing edge. (See Figure 4).

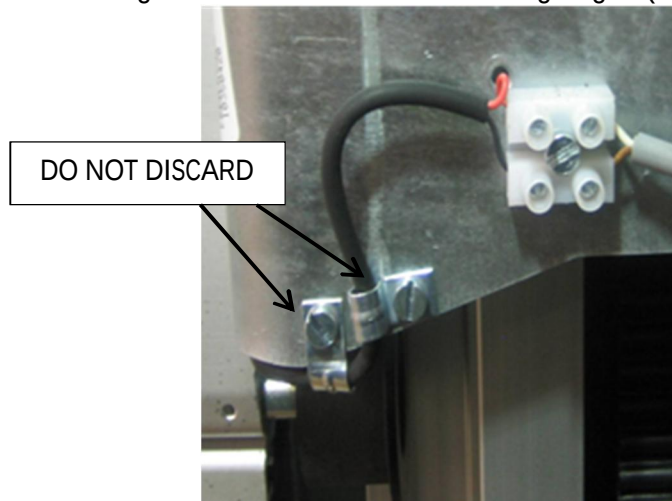


Figure 4

7. Remove the two Philips heads that hold the reversing edge into the aluminum extrusion (one on each end). (See Figure 5).



Figure 5

8. Remove the two bolts in the brackets on each end of the extrusion. (See Figure 6).

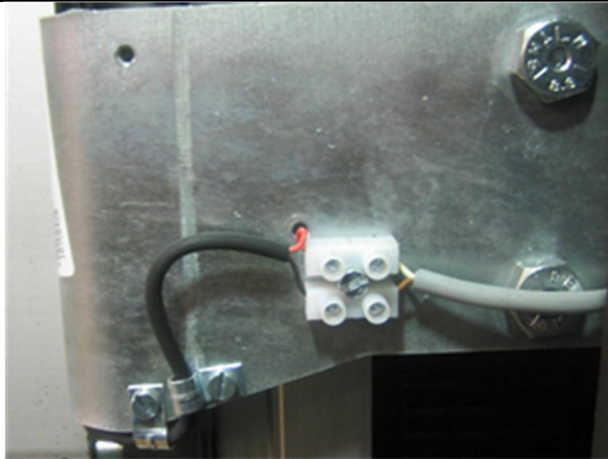


Figure 6

9. Grab the aluminum extrusion and lift up away from the door and slide the edge in either direction to remove. Two people will be required to perform this operation. The old reversing edge is now removed from the extrusion.
10. Again grab the aluminum extrusion and lift up away from the door and slide the new edge into the extrusion. NOTE: A small amount of lubricant may help the edge slide through the extrusion. I.E. WD-40, Super Slick, etc.
11. When the reversing edge is centered re-install the Philips head screws to secure the edge to the extrusion. NOTE: Make sure the edge will not rub on the weather seal. This will damage the edge.
12. Replace the bolts in each end bracket removed in step 8.
13. Route the reversing edge through the P-clips to the white plastic terminal block. NOTE: Failure to route the cable correctly may cause premature wear or breakage of the cable. The reversing edge wires are not polarity sensitive therefore it doesn't matter which terminal they go to. (See Figure 7).

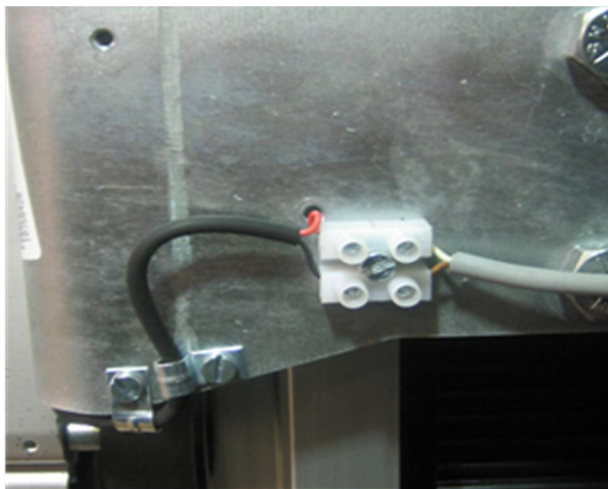


Figure 7

14. If installing a new black plastic energy chain and reversing edge cable please continue with the instructions regarding that installation.

THE NEXT STEPS IN THE PROCESS ARE VERY IMPORTANT:
ROUTING THE ENERGY CHAIN (Black plastic chain & reversing edge cable)

15. New Black plastic energy chain and reversing edge cable in the side column. (See Figure 8).



Figure 8

NOTE: The Black plastic energy chain may need to be adjusted. (Shortened) The plastic chain links can simply be snapped apart and removed. Be careful when shortening the Black plastic chain. Too short and it will not reach the top of the opening. However, too long and it may run underneath the spring pack and become entangled.

16. Connection of the black plastic chain inside the side column. (See Figure 9).



Figure 9

17. Connection on black energy chain to the bracket. Keep the nylock nut loose from the chain to allow the chain to move and flex freely during travel. (See Figure 10).

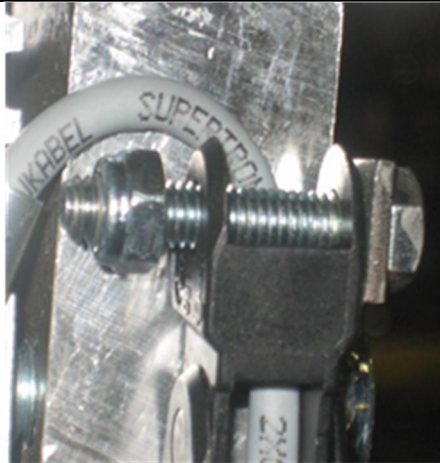


Figure 10

DO NOT TIGHTEN THE NYLOCK NUT TIGHT TO THE PLASTIC CHAIN.

18. The reversing edge wires are not polarity sensitive therefore, it doesn't matter which terminal the wires go to on the white plastic terminal block. (See Figure 11).

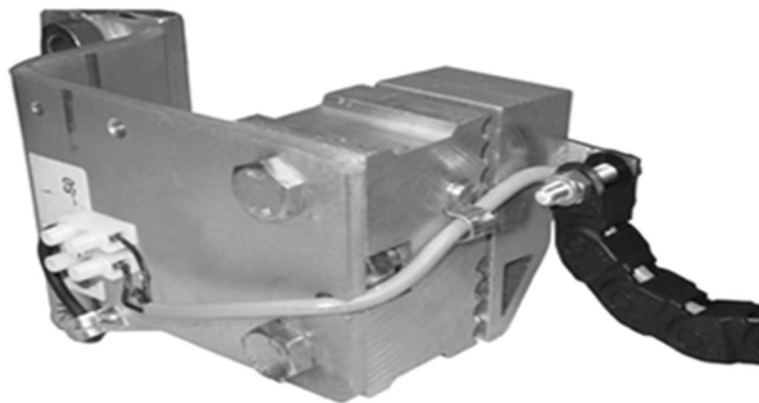


Figure 11

IMPORTANT: After installing the reversing edge and black plastic energy chain jog the door slowly; fully open and closed paying particular attention to travel of the energy chain in the side column.

Edge Troubleshooting:

The reversing edge for the Rytec Spiral door contains an 8.2K ohm resistor. Therefore, a simple ohm reading at terminals SI 1 & SI 2 in the System 3 control panel will confirm whether the connection is correct. NOTE: When performing an ohm reading isolate or disconnect the wires from the System 3 control panel. If you do not find the correct reading check the reading directly on the white plastic terminal block. If there's no 8.2K reading at the white plastic terminal block the edge is bad. If the 8.2K ohm reading is there begin following the cable back to the control panel and check for the 8.2K ohm reading wherever a connection has been made. For example: wire nuts, terminal blocks, and junction boxes.

If you have any questions please contact Rytec Customer Support at 1-800-628-1909.