

Summary	Installing the reversing edge wire and energy chain for Spiral SSN-L or S model door.				
Products Affected	Spiral SSN – L or S model door. Letters L(9 ½”) side column & S(14”side column)				
Key Word Tags	Spiral LH, Energy Chain, Edge, 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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The Spiral SST – L or S door requires the reversing edge cable and energy chain to be routed in a specific manner. The following instructions will help guide you through this process.

The black rubber reversing edge on the bottom of the door has a cable that exits on one end that is routed to a bracket in the side column. The wires from the reversing edge attach to a white plastic terminal block. This connection is performed at Rytec. (See Figure 1).

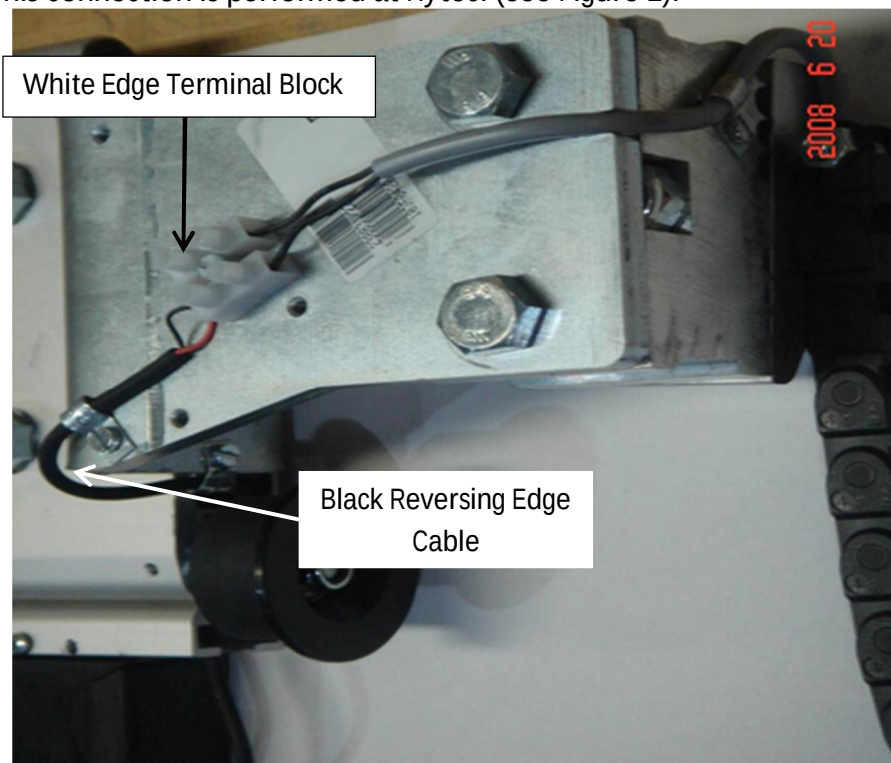


Figure 1

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

The black plastic energy chain and reversing edge cable are routed in the side column at Rytec. The connection of the Black plastic energy chain to the bracket is performed in the field by the door installers. Please follow the next steps in the installation process carefully.

1. Locate the Black plastic energy chain and reversing edge cable in the side column. (See Figure 2)

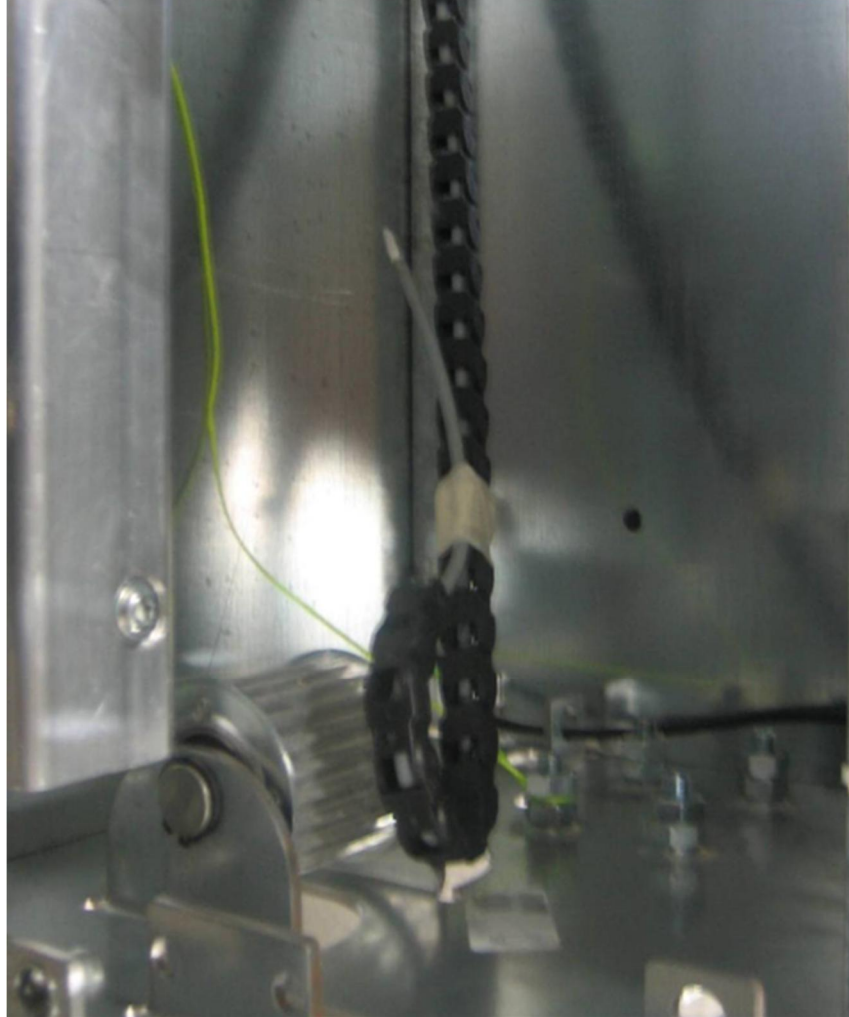


Figure 2

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.

2. Attaching the black plastic chain to the bracket. (See Figure 3). Keep the nylock nut loose from the chain to allow the chain to move and flex freely during travel.

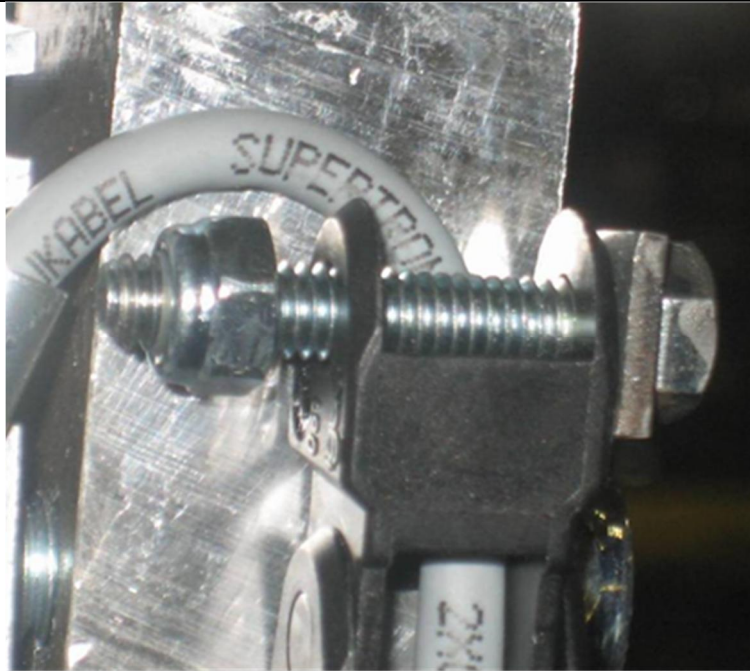


Figure 3

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

3. Routing the cable on the bracket. The Spiral LH door has a pivot built into the bracket to allow the bottom panel to clear the opening. **IMPORTANT:** Installation of the cable must allow for the pivot during door travel. Failure to allow for the pivot may cause the cable to break. If the has too much slack it may get caught in moving parts on the door. (See Figure 4).

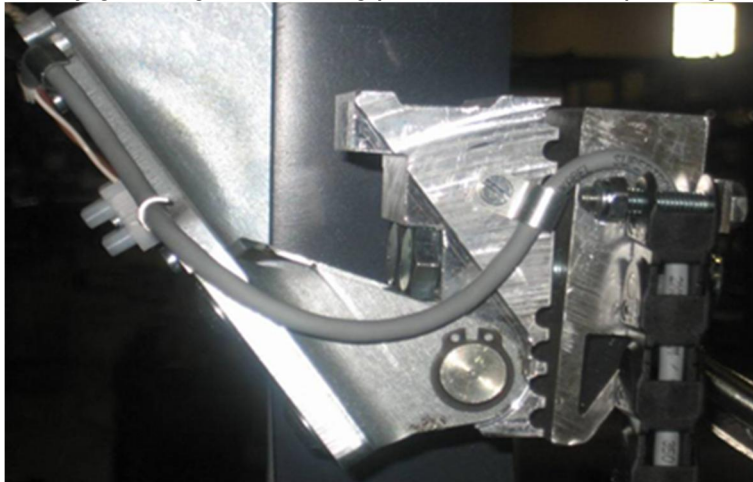


Figure 4

4. The P-clips on the bracket allow for the proper routing of the reversing edge cable. (See Figure 5 for proper routing of the reversing edge cable).

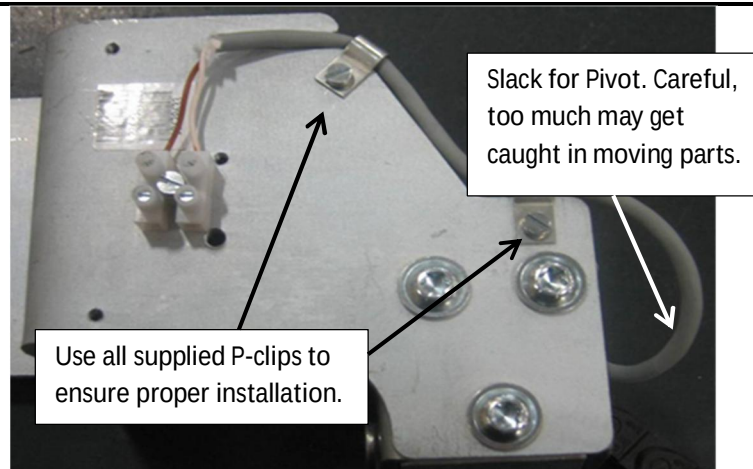


Figure 5

5. 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.
6. Final assembly should appear as in figure 6.

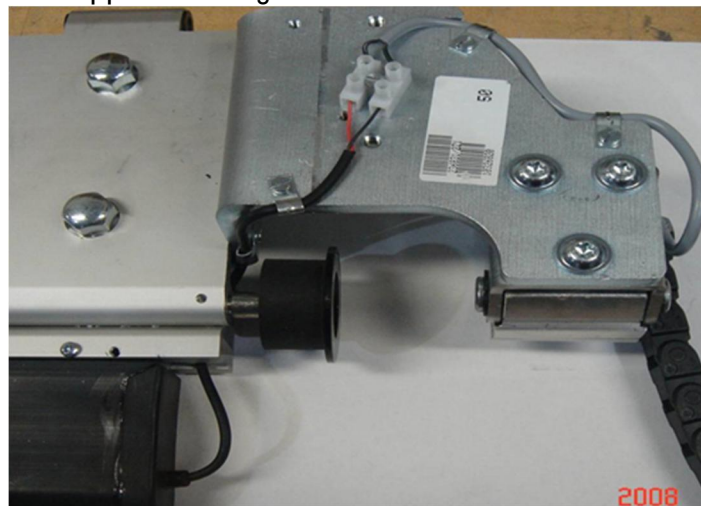


Figure 6

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 LH 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.