

Installation Manual

These instructions apply to the field installation of Volume Controller on CRD series dampers.

Tools Required:

Electric or battery operated drill
 $\frac{3}{32}$ dia. drill bit
 #2 Phillips screwdriver
 Wire cutter
 Locking C-clamp or spring clamp

Instructions

1. Remove the existing fusible link and allow the damper blades to close. While doing this check that the blades operate smoothly and go to their closed position.
2. Insert the drill guide (**Figure 1**) between the spring and the damper center bar. Using the notches at the center of the drill guide, align the center of the drill guide with the spring. Open the damper blades to allow the drill guide to settle onto the damper center bar.

Secure the blades in the open position. The blades can be held open using a clamp or by reinstalling the fusible link. (**Figure 2**) (Note; If the drill guide does not fit over the damper center bar, the tabs on the guide can be bent outward, equally on both sides, until it fits over the center bar.)

3. Using the two small holes in the drill guide, drill two $\frac{3}{32}$ diameter holes through the damper center bar. (**Figure 3**) Release the damper blades and remove the drill guide.
4. Using a wire cutter, cut off the fusible link wires near the rivet head. They are no longer needed. (**Figure 4**)
5. Install the volume controller onto the damper center bar using the (2) #10 screws provided. Tighten the screws but be careful not to strip out the screw holes. (**Figure 5 & 6**)

Note: Do not use longer screws since longer screws will interfere with the operation of the blades.

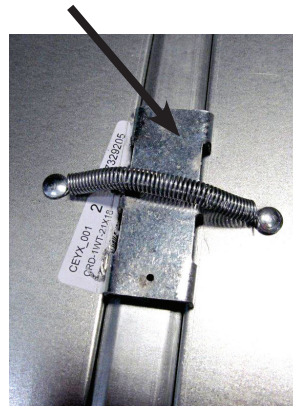


Figure 1: Drill Guide



Figure 2: Clamping the blade open



Figure 3: Drilling the holes using the drill guide



Figure 4: Removing the fusible link wire

6. Manually operate the blades to check for binding or interference.
7. Check that the volume controller lift wires do not interfere with the frame of the damper.
8. Adjust the volume controller to the desired open position.

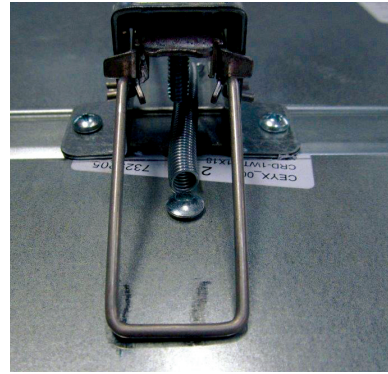


Figure 5: Volume controller

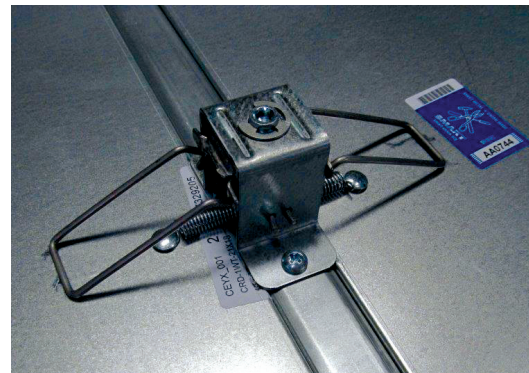


Figure 6: Volume controller top view

