

## INSTALLATION SHEET FOR TORSION-MOUNT GRILLES CN-4M, CN-8M, WB-4T, and WB-8T.

FIGURE-1

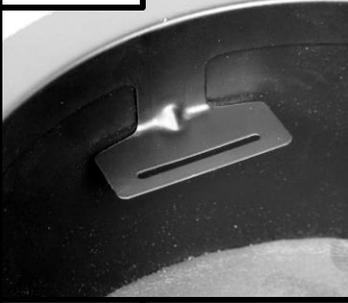


FIGURE-2

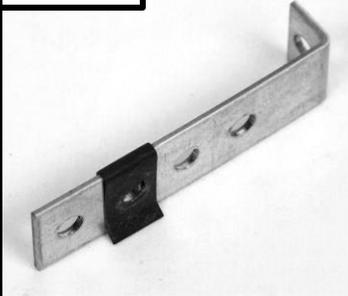


FIGURE-3

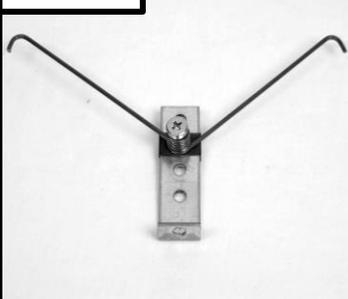


FIGURE-4

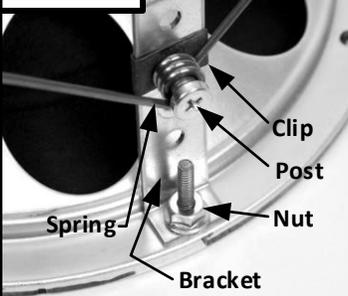


FIGURE-5



The Lowell DX104-T enclosure (for 4" speaker grilles) and the IX810, IX810-EL, RF841, RF871, XCP84, XCP84-S, XCP87, and XCP810 enclosures (for 8" speaker grilles) include two (2) slots or slotted brackets to accept the springs from a torsion-mount grille as shown in **Figure-1**. Note that in order for the torsion-mount grille's springs to work properly, the combined weight of the speaker and transformer (if used) may not exceed 3.5 lbs. To install a speaker system that includes torsion-mount grilles, some experimentation is required. Depending on the thickness of the ceiling, the clip, post, and spring may need to be moved to a higher or lower hole in the bracket. The best way to determine the proper configuration for your application is to just give it a try on the first speaker. The first speaker may take awhile to configure, but the rest of the speakers should only take minutes. Round torsion-mount grilles are shipped with the torsion hardware unassembled in a sealed plastic bag. The torsion brackets attach to the same studs that mount the speaker to the grille. The brackets may be placed on the studs before the speaker is mounted, but that creates an undesirable gap between the speaker's front gasket and the grille. The mounting method recommended by Lowell Manufacturing is given below:

### Step 1

Remove the torsion bracket hardware from the plastic bag. **Figure-4** identifies each of the included parts: two (2) brackets, two (2) clips, two (2) springs, two (2) posts, and four (4) nuts.

### Step 2

Slide a clip over the second hole on one of the brackets with the flat side of the clip on the bent side of the bracket and with the tapped slanted side of the clip on the flat side of the bracket as shown in **Figure-2**. Repeat for the second clip and bracket.

### Step 3

Insert a post into the hole of one spring and use a Phillips screwdriver to screw the post into the tapped clip on the bracket as shown in **Figure-3**. Repeat for the second spring and bracket.

### Step 4

Lay the grille face down (on a soft surface to avoid scratching the white grille) and place the speaker over the (4) threaded studs. Tighten a nut on two (2) opposite studs that are 180 degrees apart. Place a bracket assembly and nut over the remaining two (2) opposite studs and tighten as shown in **Figure-4**. The completed torsion assembly is shown in **Figure-5**.

### Step 5

Squeeze the two springs as shown in **Figure-6** and insert the springs into the slots in the enclosure as shown in **Figure-7**. If you can push the grille up and flat to the ceiling but the springs don't open up to hold the grille tight, move the clips, posts, and springs to the top hole farthest away from the speaker and try again. If instead, you have a case where the top of the bracket hits the metal surface where the slot is located and prevents you from pushing the grille up to the ceiling, it will be necessary to take apart the bracket assemblies and cut off the top 2 holes of the bracket with a metal cutting saw. Replace the clip, post, and spring in the second hole from the speaker as shown in **Figure-8**. Once you figure out the correct configuration of the torsion spring hardware for your application, preparing the torsion spring hardware for the rest of the speakers in your speaker system can be done in just minutes.

FIGURE-6



FIGURE-7

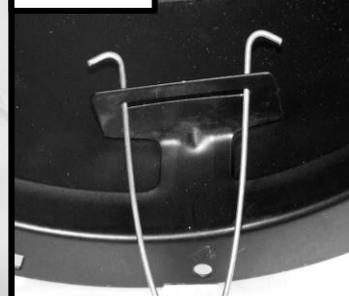


FIGURE-8

