

**HEX CAM SPACER  
INSTALLATION AND ADJUSTMENT  
FOR THE LFT-VIII AND LFT-VI**

**Tools needed:**

- 5/32 Allen Wrench
- 7/16 Open End Wrench (aluminum recommended)

**LFT-VIII**

**INSTALLATION**

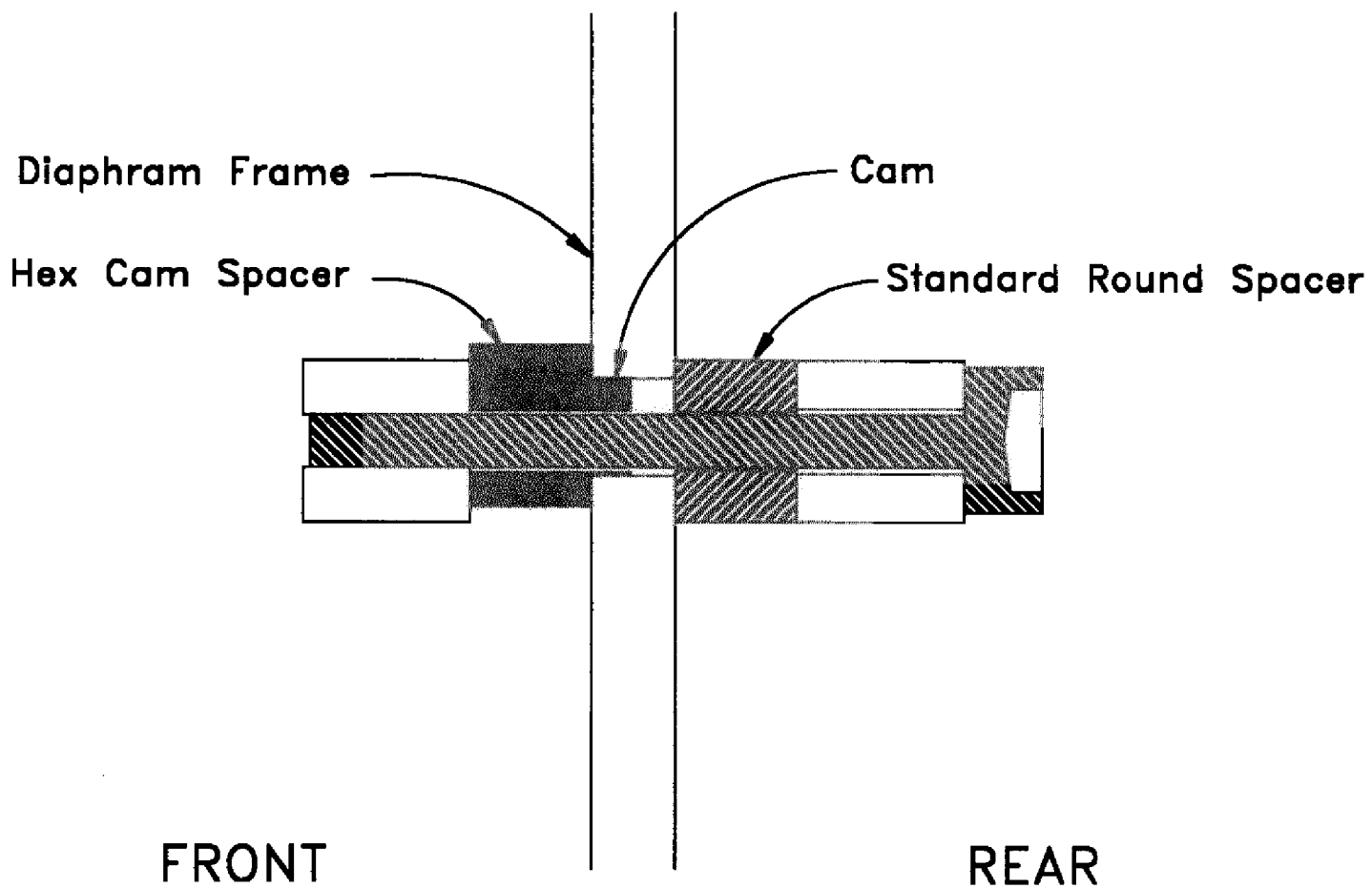
- 1.) Remove the 4 machine screws and 8 spacers at the 4 centrally located cross bars along the outside edge of the diaphragm frame (opposite tweeter) taking care not to damage the diaphragm. Loosen the machine screws at points "B" in (Figure 1) 3 turns.
- 2.) Install the hex cam spacers at locations shown in Figure 1 making sure cam portion fits into the hole in the frame. Gently prying outward on the crossbar will allow clearance for the hex cam spacer.
- 3.) Replace the original spacers at the remaining 5 locations. Replace the machine screws and run down to within a couple of turns of being tight, making sure the cam spacers stay in position. If the screw will not thread into the crossbar due to misalignment, turn the hex cam spacer until alignment is reached.

**ADJUSTMENT**

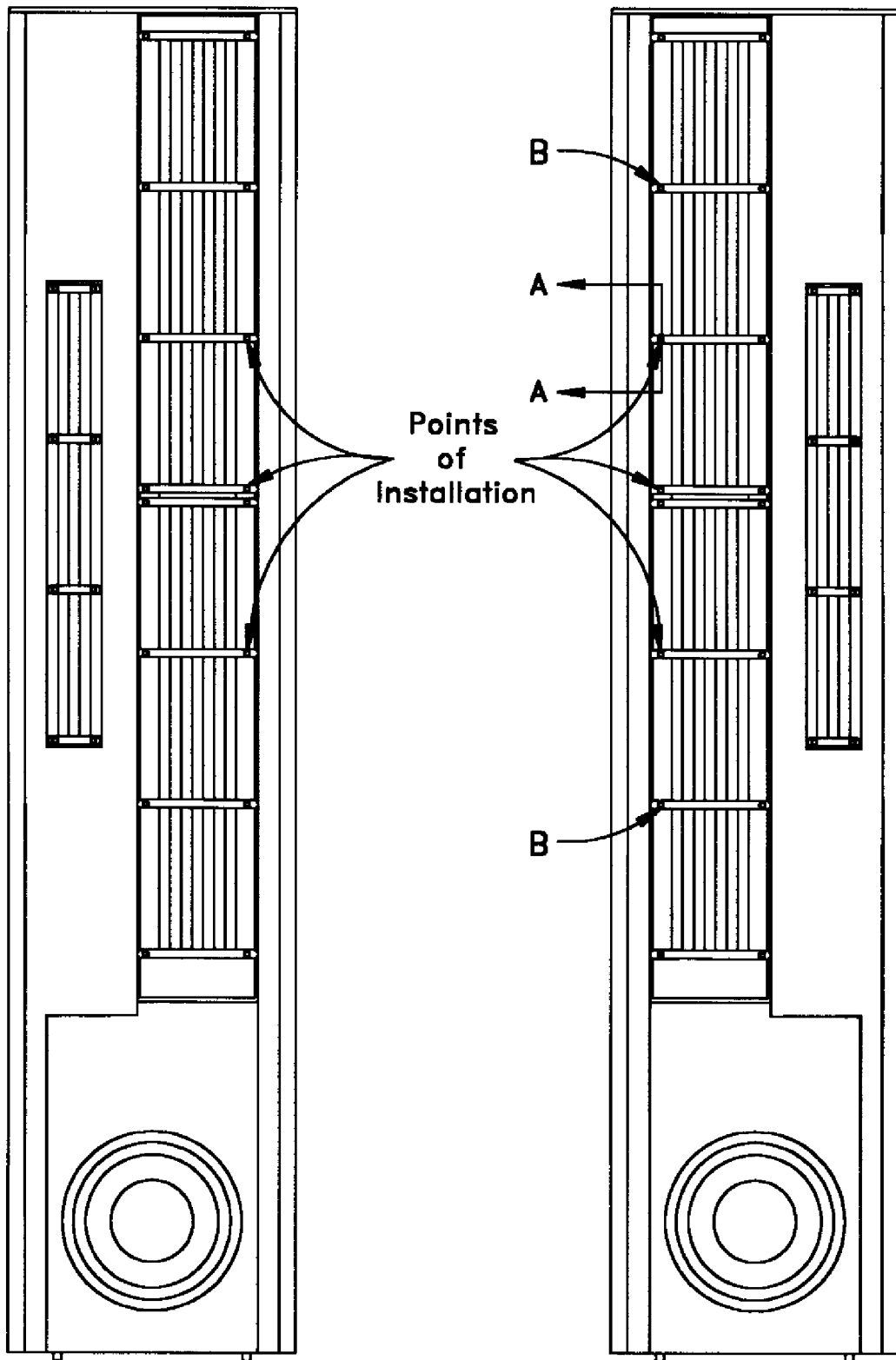
Loosen the machine screws along the outside edge of the diaphragm (excluding screws at each end) approximately 1 turn. Lightly torque the hex cam spacers. Silver line on the hex cam spacer indicates high point of the cam. By moving this mark towards the outside of the midrange unit, the diaphragm tensioning will increase. Excessive torque will result in exceeding the elastic limit of the diaphragm, which could result in tearing. Over-tensioning will also raise the resonance of the diaphragm. If wrinkles are present, adjust the hex cam spacer until they are no longer evident. If wrinkles are not present, look for traces on the diaphragm to move slightly outward while tensioning. Try to obtain an equal distribution of tensioning between the 3 hex cam spacers. Once this has been done, tighten all 6 screws.

**LFT-VI**

The same basic principle applies for installing and/or adjusting the hex cam spacers in the LFT-VI. Position them at the two inside locations on front of diaphragm frame opposite tweeter.



SECTION A-A



FRONT VIEW

FIGURE 1