

## TWEETER DIAPHRAGM REPLACEMENT FOR THE LFT-8b

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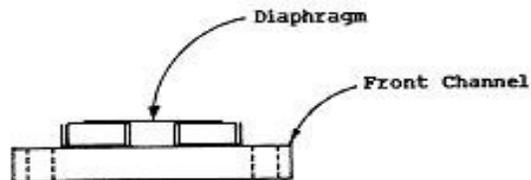
Remove the tweeter driver completely from the speaker frame. Disconnect the black tweeter wire spade lug from the barrier terminal block and detach the white tweeter wire from the mid-range terminal board using a soldering iron. Remove the eight machine screws, nuts and spacers. Keep track of each spacer location so that it can be returned to that same position upon re-assembly. Place the tweeter driver on a smooth, clean surface with its front assembly, facing down. Remove four 10-32 machine screws from one end of the tweeter driver assembly. Pull apart the back magnet assembly from the front (approx. 1") at this end. Continue pulling apart the channels while removing the next three pairs of screws, taking care not to allow the front and back channels to slap together. Loosen the remaining screw at the end and pivot the top channel clear of the bottom channel at right angles from each other. Remove the screw and separate the two halves.

### Replacing The Tweeter Diaphragm

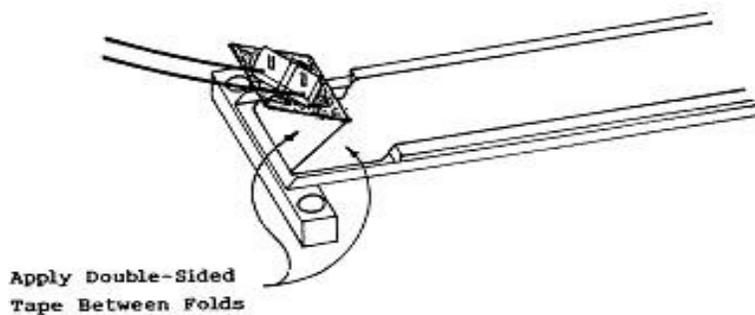
Remove the old diaphragm along with the underlying double-sided tape on both rows of magnets from "front" channel making sure the rubber insulator squares stay intact. **Please note placement and location of the diaphragm before removal, as to reference the location for the replacement diaphragm.** Check for and remove any magnet fragments from the front and back channels. Place the new tweeter diaphragm on a hard top table with the terminal board facing down and aluminum conductor facing up. Tape the non-terminal end of the diaphragm to the table using ½" wide invisible (office) tape. Tension and tape the other end of the diaphragm just above the terminal board using a 3" piece of invisible tape. Make sure the diaphragm is flush with the table with no wrinkles or creases above the terminal board. Place an 18 ¾" piece of ½" wide double-sided tape on the outer three conductor ribbons of the diaphragm, starting at the non-terminal end and ending around 4 ½" from the terminal board. Cover the final 3" of conductor ribbons, including the terminated leads, with invisible tape. Carefully remove the diaphragm from the table and place the diaphragm by first attaching the non-terminal end flush with either end of the front channel assembly. Next, tension the diaphragm and align the conductors with the channel while pushing the diaphragm onto the magnets making sure the diaphragm is flat between the magnet channels as you go. The diaphragm should resemble **Diagram (A)**. Fold and tape the over-hanging terminal end of the diaphragm as illustrated in **Diagram (B)**.

## Assembling and Installing The Tweeter Driver

Re-assembly of the tweeter driver should be done in the exact reverse order as it was disassembled. Re-install the tweeter driver into the speaker frame placing the spacers in their original locations. Run the black and white tweeter wires next to the two lower cross bar spacers, of the midrange assembly, and tie wrap both wires to each spacer. Attach the spade lug to the proper tweeter setting on the barrier terminal block to the. Solder the white wire to the mid-range terminal board.



Cross-Section View  
**DIAGRAM (A)**



**DIAGRAM (B)**