

TWEETER DIAPHRAM REPLACEMENT FOR THE LFT-VIII & LFT-VI

Removing The Tweeter Driver From The Frame and Separating Its Front and Back Channels

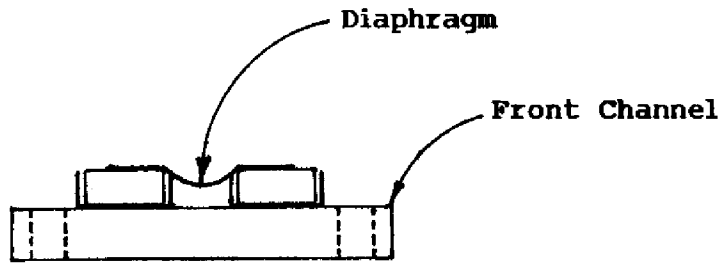
Separate the tweeter driver completely from the speaker frame. Cut the spade lug from the black tweeter wire and detach the white tweeter wire from the mid-range terminal board using a soldering iron. Remove the eight machine screws, nuts and spacers. Keep track of where each spacer is located so that it can be returned to that same location upon re-assembly. Lay the tweeter driver on a smooth, clean surface with its front assembly facing down. Remove the four 10-32 machine screws from one end of the tweeter driver assembly. Separate back from front (approx. 1") at this end. Continue separating while removing the next three 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. Remove the screw and separate.

Removing and Replacing The Tweeter Diaphragm

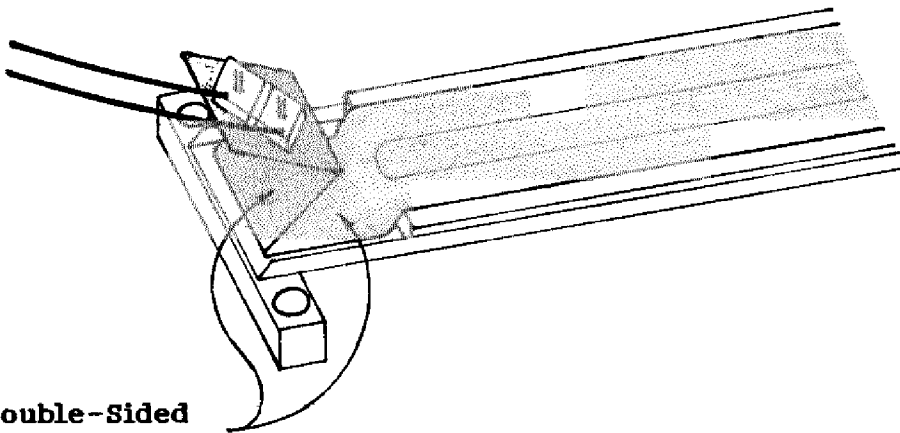
Remove the old diaphragm along with the underlying double-sided tape on both rows of magnets from "front" channel making sure all four rubber insulator squares stay intact. Check for and remove any magnet fragments from the front and back channels. Replace the double-sided tape along the entire length of the front channel assembly. Replace the diaphragm by first attaching the non-terminal end flush with either end of the front channel assembly. Next, slightly tension the diaphragm and align with the channel while pushing the diaphragm onto the double-sided tape making sure to depress the diaphragm slightly between the magnet channels as you go. Diaphragm should resemble Diagram (A). Fold and tape the over-hanging terminal end of the diaphragm as illustrated in Diagram (B).

Re-Assembling and Installing The Tweeter Driver

Re-assembly of the tweeter driver should be done in the exact reverse 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 through the two lower cross bars of the mid-range assembly. Attach a spade lug to the end of the black tweeter wire then insulate it with the heat shrink. Solder the white wire to the mid-range terminal board.



Cross-Section View
DIAGRAM (A)



Apply Double-Sided
Tape Between Folds

DIAGRAM (B)