

INSTALLATION
INSTRUCTIONS

The 23370 Acoustical Loading Cap improves midrange frequency response and power-handling capability when installed in ALTEC 802, 806, 807 and 808 series driver loudspeakers. Three screws are provided with the acoustical loading cap for installation.

Select a work area that is clean and free from iron dust or chips. Cover the work surface with a few layers of clean paper. The area must be free from drafts to prevent iron dust particles in suspension from being magnetically attracted to the driver loudspeaker diaphragm. Install the acoustical loading cap in accordance with the following procedure:

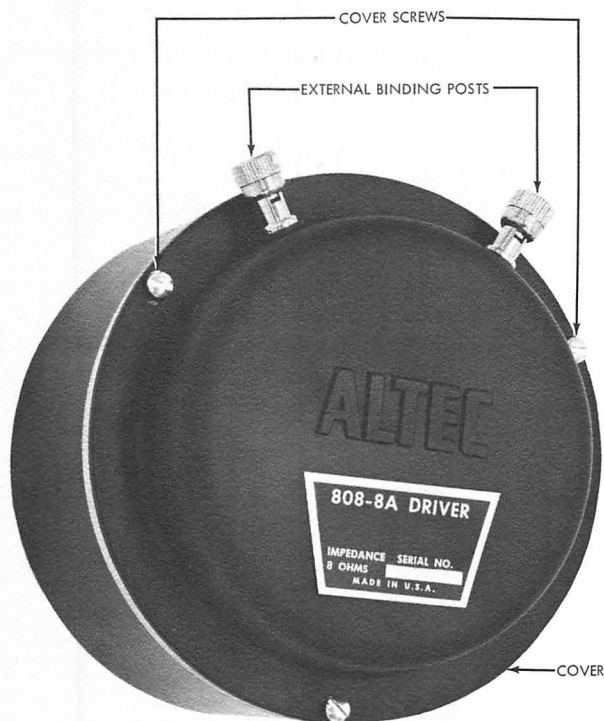


Figure 1. Typical HF Driver Loudspeaker

- Step 1. Remove leads from external binding posts (see Figure 1), noting polarity.
- Step 2. As appropriate to the installation, remove driver loudspeaker and/or horn from enclosure or mounting and take removed assembly to prepared work area.

NOTE

Where easy access to the driver loudspeaker is available, installation of the acoustical loading cap may be completed without removing the driver loudspeaker and/or horn.

- Step 3. Remove three cover screws from driver cover (see Figure 1). Retain screws.
- Step 4. Lift cover from driver and remove two leads from internal binding posts (see Figure 2). Set cover aside.

CAUTION

The exposed diaphragm is extremely delicate. Avoid contact with the aluminum dome.

- Step 5. Carefully remove felt washer from inside surface of cover.

Specifications and components subject to change without notice. Overall performance will be maintained or improved.

CAUTION: THE DIAPHRAGM IS EXTREMELY DELICATE. USE CARE TO PREVENT DAMAGE. AVOID PHYSICAL CONTACT WITH DIAPHRAGM. KEEP SCREWDRIVER AWAY, AS STRONG MAGNETIC FIELD MAY ATTRACT SCREWDRIVER INTO DIAPHRAGM.

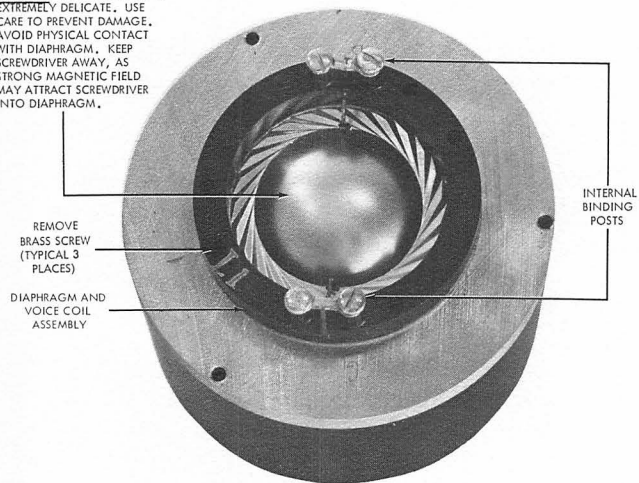


Figure 2. Diaphragm and Voice Coil Assembly Exposed

Step 6. Carefully remove three brass screws securing diaphragm and voice coil assembly (see Figure 2). Discard screws.

CAUTION

Keep screwdriver away from diaphragm, as strong magnetic field may attract screwdriver into diaphragm and destroy it. DO NOT remove diaphragm.

Step 7. Position acoustical loading cap over voice coil and diaphragm, aligning mounting holes (see Figure 3).

Step 8. Secure acoustical loading cap with three 6-32 x 7/8" brass screws (provided).

Step 9. Connect two leads of driver cover to internal binding posts, orienting lugs as shown in Figure 3. Connect green lead to post L1, and brown lead to opposite post.

Step 10. Install driver cover and secure in place with three screws removed in Step 3.

Step 11. Connect leads to external binding posts. Verify that electrical phasing (polarity) is as originally wired. Return driver loudspeaker to service.

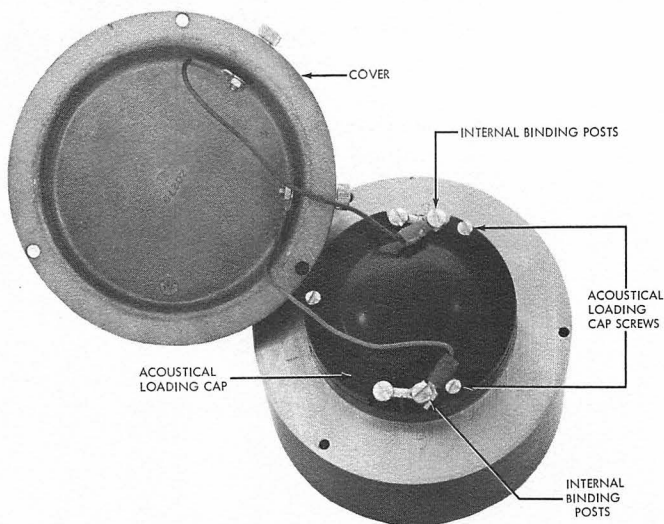


Figure 3. Acoustical Loading Cap Installed