



Electro-Voice®

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SERVICE DATA

MODEL DH1A

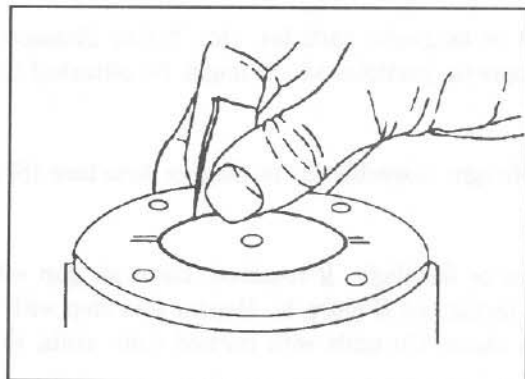
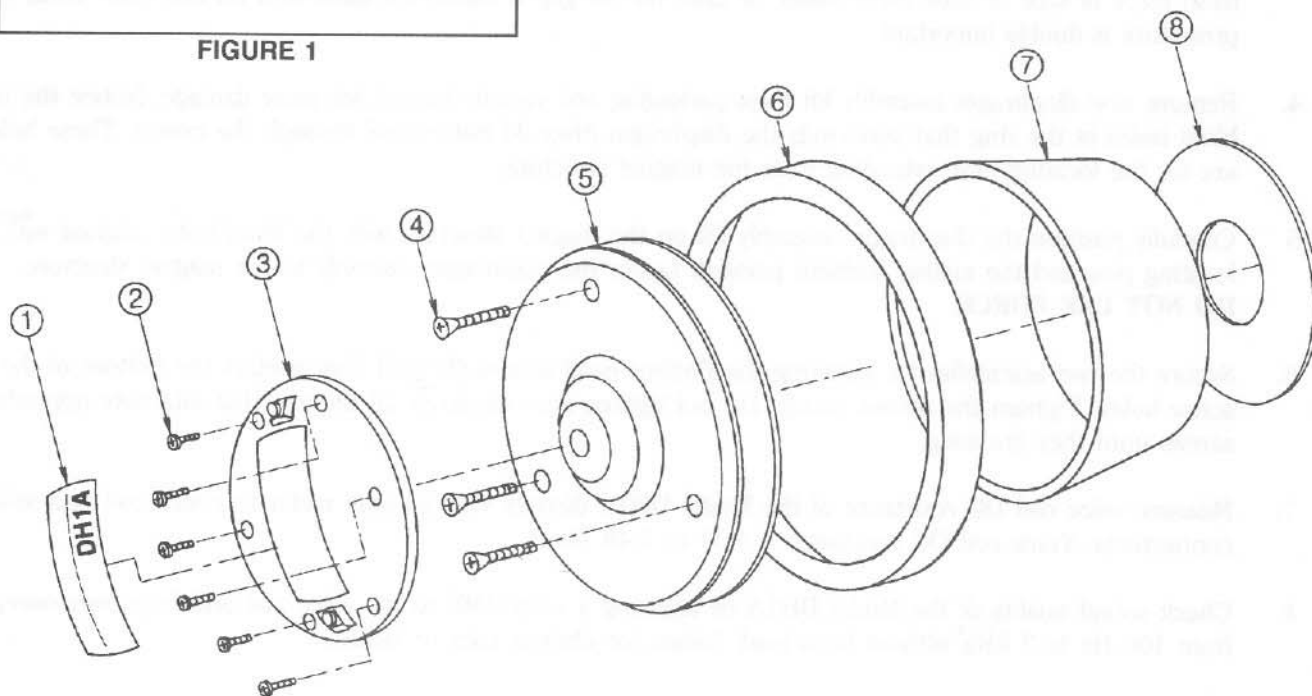


FIGURE 1



REPLACEMENT PARTS LIST FOR MODEL DH1A

REFERENCE NO.	PART NO.	DESCRIPTION
1	48704	Nameplate
2	62993	Screw (6)
3	81147XX	Diaphragm & Cover Assembly
4	63099	Screw (3)
5	81257	Magnet Structure
6	72227	Magnet Protector
7	B71578-FD	Front Cover
8	38124	Flange Gasket

MODEL DH1A
DIAPHRAGM KIT
Replacement Instructions

TOOL REQUIRED

#1 Phillips Screwdriver

NOTE: Care **must** be exercised to avoid dust, dirt, etc., from collecting on the replacement diaphragm.

1. Clean outside of driver with a damp cloth to remove any dust or magnetic particles, etc., before disassembly, and make certain that the immediate work area is clear of magnetic particles which might be attracted to the air gap after the driver is disassembled.
2. Remove Phillips head screws (2) securing rear cover and diaphragm assembly (3) to magnet structure (5) and separate the two assemblies.
3. Inspect the magnet structure air gap with a high intensity light or flashlight. If required, clean air gap with a folded piece of tape (masking tape) with the adhesive surface facing out (Figure 1). Repeat this step with a fresh piece of tape at least three times, or until the air gap is clean. On units with burned voice coils, this procedure is doubly important.
4. Remove new diaphragm assembly kit from packaging and visually inspect for prior damage. Notice the two blind holes in the ring that surrounds the diaphragm (they do not extend through the cover). These holes are for the locating pins extending from the magnet structure.
5. Carefully position the diaphragm assembly (3) on the magnet structure with the blind holes aligned with the locating pins and the mating surfaces parallel. Lower the diaphragm assembly to the magnet structure.
DO NOT USE FORCE.
6. Secure the two assemblies by installing the Phillips head screws (2) until they contact the bottom of the screw holes. Tighten the screws evenly. Do not tighten any one screw all the way, but alternate opposite screws until they are snug.
7. Measure voice coil DC resistance of the Model DH1A directly with an ohm meter to check coil and solder connections. Voice coil DC resistance is 4.31 to 5.49 ohms.
8. Check sound quality of the Model DH1A by applying 4 volts RMS to the voice coil and frequency sweep from 100 Hz to 3 kHz without horn load. Listen for obvious rums or buzzes.

WARRANTY (Limited). Electro-Voice Professional Sound Reinforcement Loudspeakers and Accessories are guaranteed for five years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish or appearance items or malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

Electro-Voice also maintains complete facilities for non-warranty service.

Service and repair address for this product: Electro-Voice, Inc., 600 Cecil St., Buchanan, Michigan 49107.

Specifications subject to change without notice.