

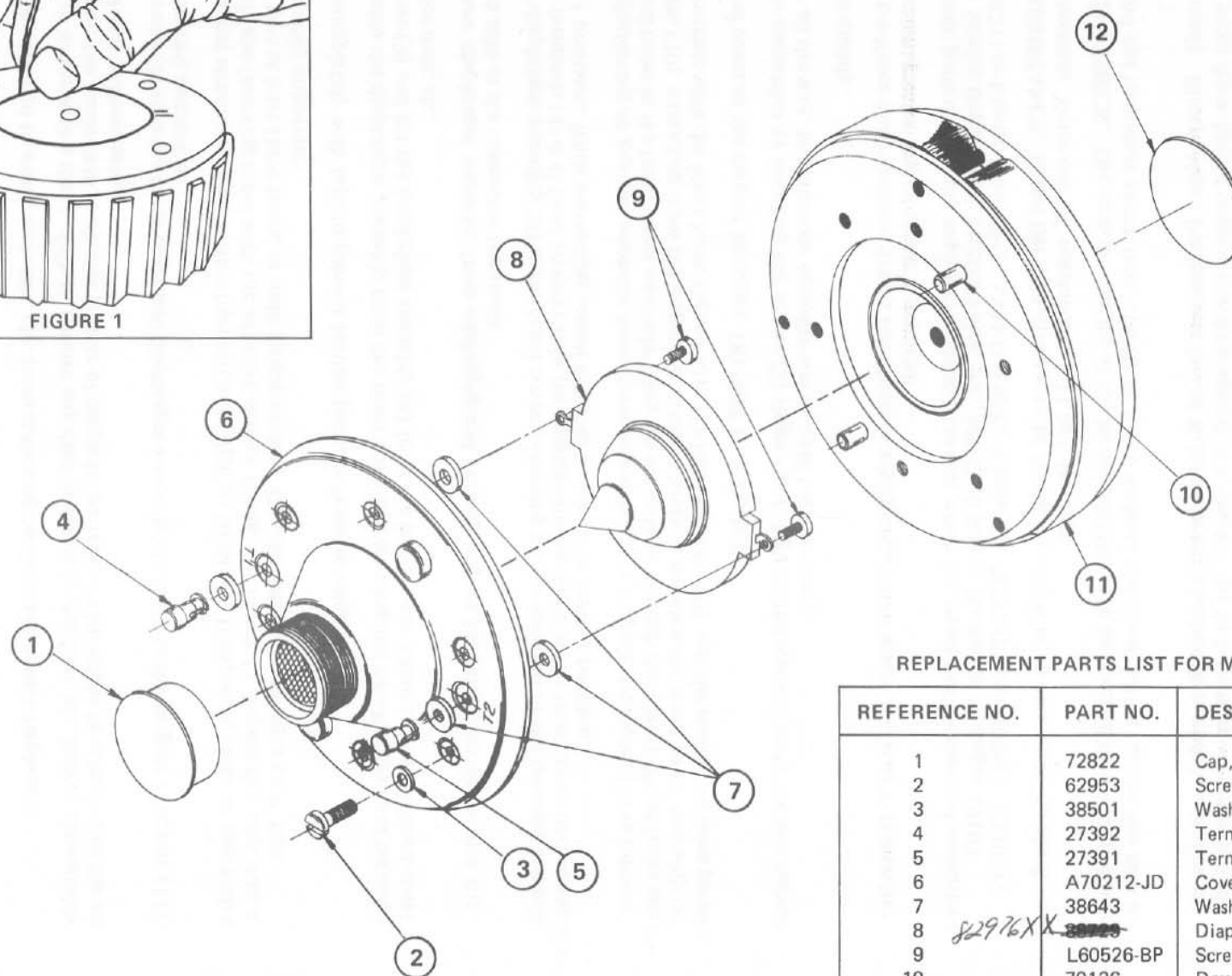
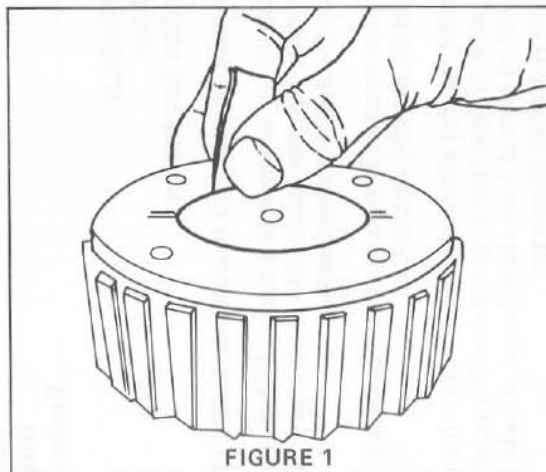


Electro-Voice®
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600 Cecil Street
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SERVICE DATA

MODEL DH1506

PARTS LIST AND DIAPHRAGM REPLACEMENT INSTRUCTIONS



REPLACEMENT PARTS LIST FOR MODEL DH1506

REFERENCE NO.	PART NO.	DESCRIPTION
1	72822	Cap, Protective
2	62953	Screw, 10-32 x 5/8 (6)
3	38501	Washer (6)
4	27392	Terminal, Red-T1
5	27391	Terminal, Black-T2
6	A70212-JD	Cover
7	38643	Washer, Fiber (4)
8	82976XX 80720	Diaphragm Assy
9	L60526-BP	Screws (2)
10	79126	Dowel Pins (2)
11	88728-JD	Magnet Structure
12	48533	Nameplate

**MODEL DH1506
DIAPHRAGM KIT**
Replacement Instructions

TOOLS REQUIRED

Screwdriver
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 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 screws (2) securing front cover and diaphragm assembly (6) & (8) to the magnet structure (11) 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 air gap is clean. On units with burned voice coils, this procedure is doubly important.
4. Cover air gap completely with tape to prevent further particles from entering.
5. Next, disassemble the diaphragm assembly from the front cover by removing the two Phillips head terminal mounting screws (9) and lift the diaphragm assembly (8) from the front cover. Clean and check front cover assembly (6) for dust, etc.
6. Remove the new diaphragm assembly from packaging and visually inspect for prior damage. Notice the different width tabs at the connector terminals.
7. Place the new diaphragm assembly (8) in the front cover, observing proper location of the tabs and assemble the connector terminals (4) & (5) and screws (9) in the appropriate locations of the front cover (red connector terminal to T-1 position).
8. Remove tape protecting air gap and assemble front cover assembly (6) to magnet structure (11) as follows:
Notice the blind holes in the front cover assembly (they do not extend through the cover). These holes are for the locating pins (10) extending from the magnet structure. Carefully position the front cover assembly on the magnet structure with the blind holes aligned with the locating pins (10) and the mating surfaces parallel.
9. Lower the front cover to the magnet structure. **DO NOT USE FORCE.**
10. Secure the two assemblies by installing the screws (2) finger tight. Tighten the screws evenly. Do not tighten any one screw all the way, but alternate opposite screws until they are snug.
11. Check acoustic quality.

SERVICING. Electro-Voice public address drivers have been carefully designed to assure maximum trouble-free service, keeping in mind greatest ease of repair if required.

Send all price requests, parts orders, and requests for instructions on return for repair and locations of authorized service facilities to: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone: 616/695-6831) or Electro-Voice West, 8234 Doe Ave., Visalia, CA 93277 (Phone: 209/625-1330,-1).

VOICE COIL DC RESISTANCE. Model DH1506 driver may be tested directly with an ohm meter to check voice coil and solder connections. Voice coil DC resistance is 4.31 to 5.49 ohms.

ACOUSTIC QUALITY CHECK. The acoustic quality of the Model DH1506 may be checked 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.