



Electro-Voice®

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SERVICE DATA

MODEL DH2

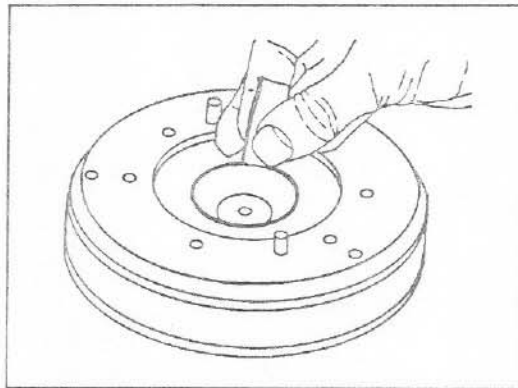
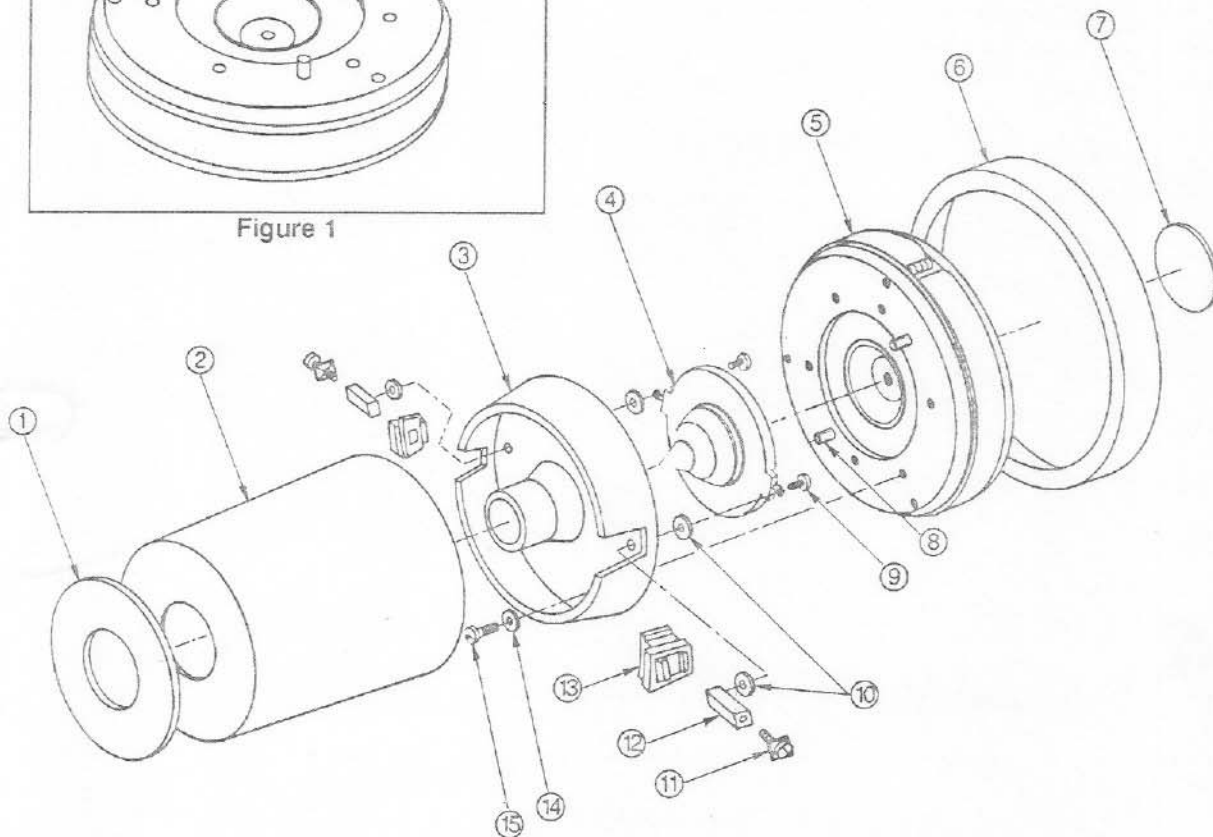


Figure 1



REPLACEMENT PARTS LIST FOR MODEL DH2		
REFERENCE NO.	PART NO.	DESCRIPTION
1	38724	Flange Gasket
2	A71581-FD	Front Cover
3	A71580-FD	Throat Cover
4	81039XX	Diaphragm Assembly
5	81040-FD	Magnet Structure
6	71586	Magnet Protector
7	48681	Nameplate
8	79126	Dowel Pin (2)
9	L605212-AD	Screw (2)
10	36643	Fiber Washer (4)
11	63081	Sems Screw (2)
12	71584-AP	Brass Terminal (2)
13A	71579-LL	Terminal Block (Red)
13B	71579-RV	Terminal Block (Black)
14	38501	Cover Washer (6)
15	62953	Screw (6)

**MODEL DH2
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 front cover (2) by firmly gripping sides and twisting so as to unthread from the rest of the driver.
3. Remove six screws (15) securing throat cover and diaphragm assembly (3) & (4) to the magnet structure (5) and separate the two assemblies.
4. 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.
5. Cover air gap completely with tape to prevent further particles from entering.
6. Next, disassemble the diaphragm assembly from the throat cover by removing the two Phillips head terminal mounting screws (9) and lift the diaphragm assembly (4) from the throat cover. Clean and check throat cover assembly (3) for dust, etc.
7. Remove the new diaphragm assembly from packaging and visually inspect for prior damage. Notice the different width tabs at the connector terminals.
8. Place the new diaphragm assembly (4) in the throat cover, observing proper location of the tabs and assemble the connector terminals (12), (13A) & (13B) and screws (9) in the appropriate locations of the throat cover (red terminal block to '+' position). While assembling screws (9) hold terminals and terminal blocks to prevent rotation.
9. Remove tape protecting air gap and assemble throat cover assembly (3) to magnet structure (5) 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 (8) extending from the magnet structure. Carefully position the throat cover assembly on the magnet structure with the blind holes aligned with the locating pins (8) and the mating surfaces parallel.
10. Lower the throat cover to the magnet structure. **DO NOT USE FORCE.**
11. Secure the two assemblies by installing the screws (15) finger tight. Tighten the screws evenly. Do not tighten any one screw all the way, but alternate opposite screws until they are snug.
12. Reassemble the front cover (2) by threading back onto the rest of the structure.
13. Measure voice coil DC resistance of the Model DH2 directly with an ohm meter to check coil and solder connections. Voice coil DC resistance is 4.31 to 5.49 ohms.
14. Check sound quality of the Model DH2 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 doesn't 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.