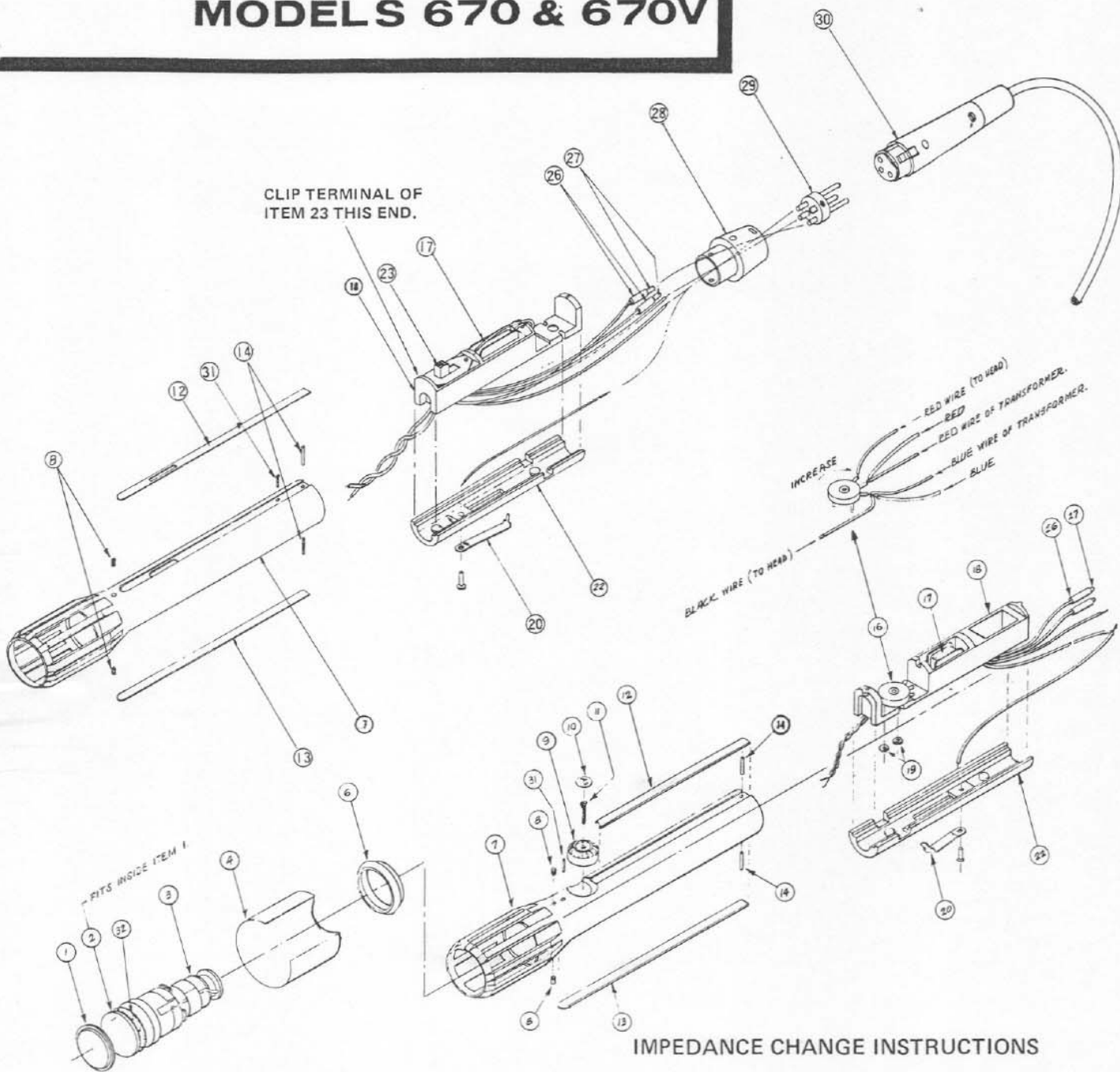


Electro-Voice® SERVICE DATA

MODELS 670 & 670V



IMPEDANCE CHANGE INSTRUCTIONS

FACTORY REPAIR CHARGES RANGE FROM \$8.75 to \$19.00. REFINISH CHARGE (APPLIED TO ALL IN-WARRANTY REPAIRS THAT REQUIRE REFINISHING) \$9.00. ALL PRICES SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. ALL MICROPHONE REQUIRING FACTORY SERVICE SHOULD BE SHIPPED TO:

Electro-Voice, Inc.
P. O. Box 369, Highway 411 East
Sevierville, Tennessee 37862
Attention: Repair Department

ALL PRICES QUOTED UPON REQUEST. SEND ALL PRICE REQUESTS AND PARTS ORDERS TO:

Electro-Voice, Inc.
600 Cecil Street
Buchanan, Michigan 49107
Attention: Repair Department

Impedance on Models 670 and 670V may be changed as follows: Turn the reverse threaded Set Screw in connector insert (29) counterclockwise until Connector Insert (29) is free. Remove the insert from the microphone. For unbalanced high impedance the BLACK wire is connected to Pin 2 of the connector insert (See Figure 1). For balanced Lo-Z connect the RED wire to Pin 2. A small connector sleeve (27) slides over Pin 2.

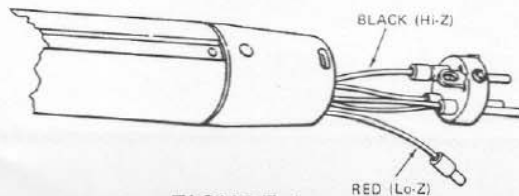


FIGURE 1

PARTS LIST

REF NO.	PART NO.	DESCRIPTION	REF. No.	PART No.	DESCRIPTION
1	86715	Front Grille Assy.	20	77156	Ground Strap
2	78712	Foam—Front Grille	22	87487-X4	Ground Support Assy.
3	86713	Head Assembly	23	56091	Switch (670)
4	78592	Side Grille	26	K6604	Tubing—Vinyl (5/8 in.)
6	78602	Shock Mount—Front	27	17200	Connector—Wire
7	78891-DU	Case (670V)	28	78619-NF	Housing—Connector
7	78275-DU	Case (670)	29	17162	Insert—Connector
8	62820-BX	Set Screw (4—40 x 1/8)	30	86712	Cable Assembly
9	78737-NF	Knob—Volume Control (670V)	30	87286	Cable Assembly (w/plug) (Hi-Z)
10	A48447	Nameplate—Knob (670V)	30	17048	Connector—Cable
11	62833	Screw—Control (670V)	30	16519	Cable (2 cond. shielded) (Per Foot)
12	A48446	Nameplate—Control (670V)	30	1750	Phone Plug
12	B48419	Nameplate—Switch (670)	31	20002	Pin—Spirol (1/16 x .19)
13	C48419	Nameplate—Rear	32	78594-AD	Magnetic Shield
14	20106	Pin—Spirol (3/32 x 3/16)			
16	46585	Control—Volume (670V)			
17	85255	Transformer Assembly			
18	78620-SH	Support—Pot or Switch			
19	20675	Nut (1—72 Hex)			

MISCELLANEOUS

535087	Instruction Sheet (670)
535237	Instruction Sheet (670V)
301-8090	Clamp—Microphone
488-8841	Carrying Case (Single)
488-8842	Carrying Case (Double)

REPLACING HEAD ASSEMBLY

1. Use a sharp bladed instrument and remove Front Grille Assembly (1) from Case (7) by inserting blade between plastic grille and case. Note: Magnetic Shield (32).
2. Using a No. .01 Allen wrench remove (2) two set screws (8) securing head assembly printed circuit to case.
3. Use a pair of pliers and carefully remove Head Assembly from Case. Rotate assembly as it is removed from rubber Shock Mount (6).
4. Unsolder wire leads from head assembly printed circuit board. Note color coding for proper polarity.
5. To replace Head Assembly check Front Shock Mount (6) for proper seating in case and Grille Cloth (5) for proper alignment. Reverse above steps. Carefully rotate Head Assembly as it is worked into case. When properly seated in Shock Mount (6) head assembly will sit rigid.

Check case set screw holes for proper alignment of head assembly printed circuit board (Figure 2). Set screws (14) must properly secure circular pcb on microphone head assembly.

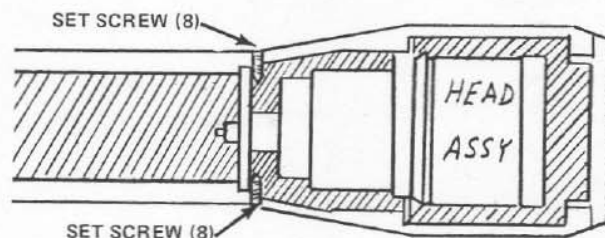


FIGURE 2 — SET SCREWS

REMOVING INTERNAL SUPPORTS

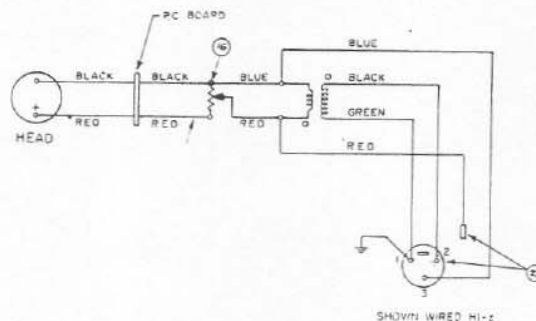
1. On Model 670V, remove Volume Knob (8) by removing securing screw (11).
2. Carefully remove both upper and lower Nameplates with a sharp bladed instrument.
3. Use a flat punch and carefully tap spirol pins (14 & 31) into case.

CAUTION: On following steps, do not force wire leads.

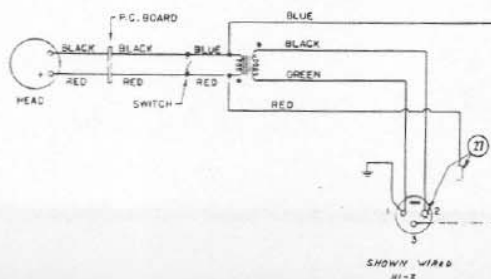
4. Remove Connector Housing (28) from case, taking care to recover set screws (14).
5. On Model 670V the switch and pot support (18) and support ground (22) may be removed together by working out of the rear of microphone.

On Model 670 removal of the Head Assembly (3) may be necessary. Wire leads must not be pinched between the supports and case. First remove the Support Ground (22) by slipping it out the rear of case. The Switch & Pot Support (18) can then be lowered from the case switch opening and removed.

6. When replacing Internal Supports, check operation of Volume Control or Switch for binding.



SCHEMATIC 670V



SCHEMATIC 670