

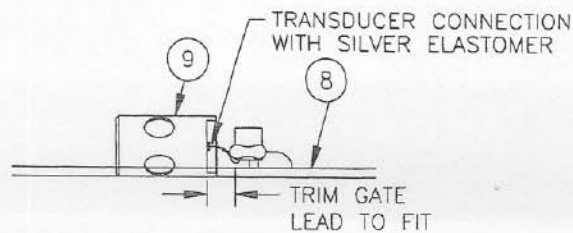
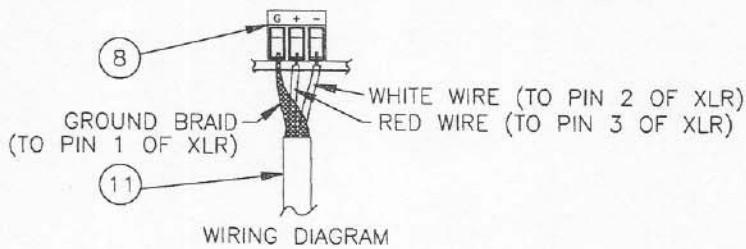
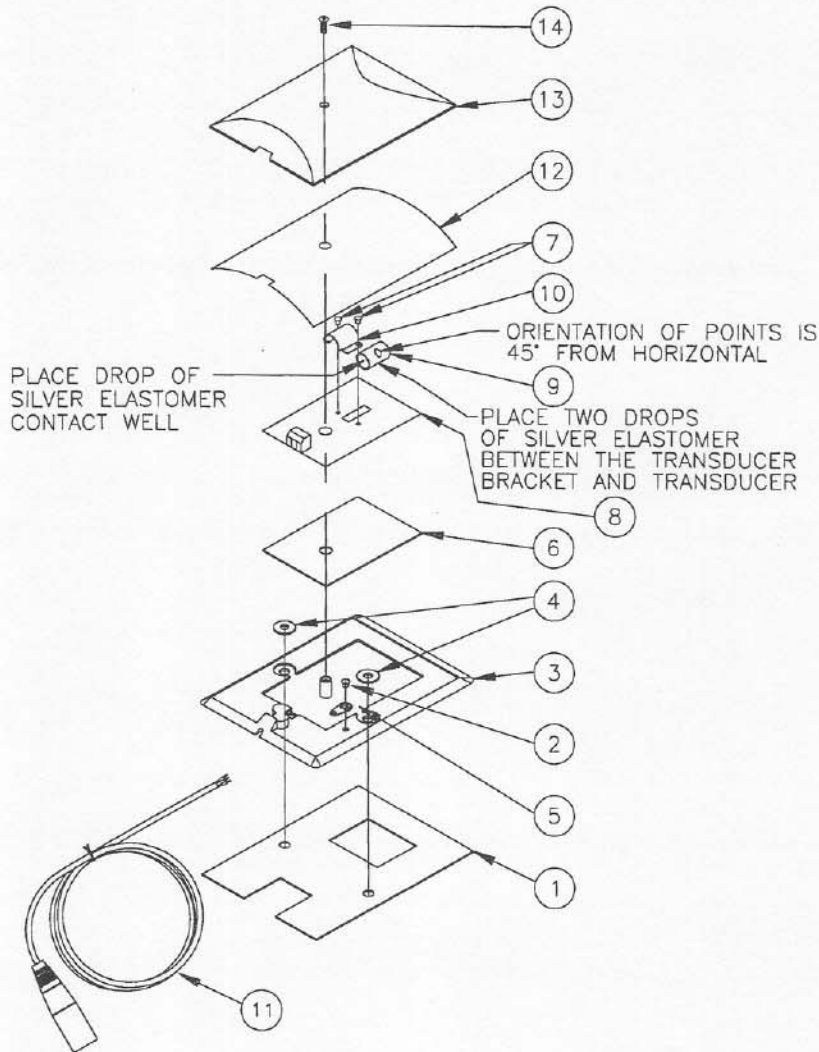


Electro-Voice®

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SERVICE DATA

CT30 Microphones



ASSEMBLY INSTRUCTIONS

TOOLS REQUIRED

LOW WATT SOLDERING IRON
 NEEDLE NOSE PLIERS OR TWEEZERS
 SMALL PHILLIPS SCREWDRIVER
 OHM METER
 ELECTRIC DRILL WITH A 3/32" DRILL BIT (TO REMOVE THE TWO EYELETS)
 SILVER ELASTOMER EV#97271

1. PLACE THE TRANSDUCER S/A (ITEM 9) INTO THE WELL ON THE PRINTED CIRCUIT BOARD S/A (ITEM 8). WITH THE TRANSDUCER IN PLACE, THE GATE LEAD OF THE FET SHOULD BE INSERTED INTO THE CONNECTION INSIDE THE BASE OF THE TRANSDUCER. IF NOT, TRIM THE GATE LEAD FOR THE PROPER FIT. PLACE A DROP OF SILVER ELASTOMER (EV#97271) INTO THE WELL OF THE CONNECTION INSIDE THE BASE OF THE TRANSDUCER S/A. INSERT THE GATE LEAD OF THE FET INTO THE CONNECTION.

2. ORIENT THE PORTS OF THE TRANSDUCER 45 DEGREES. PLACE TWO DROPS OF SILVER ELASTOMER (EV#97271) ON THE OVERLAPPING SURFACES OF THE TRANSDUCER S/A AND THE TRANSDUCER BRACKET (ITEM 10). SECURE THE TRANSDUCER BRACKET TO THE PRINTED CIRCUIT BOARD WITH THE TWO .89 DIA EYELETS (ITEM 7). THESE EYELETS MUST BE INSERTED FROM THE TOP OF THE PRINTED CIRCUIT BOARD. THESE MUST BE A GOOD TIGHT ELECTRICAL CONNECTION THRU THE TRANSDUCER BRACKET FROM CIRCUIT GROUND TO THE TRANSDUCER. CHECK THIS WITH AN OHM METER CONNECTED BETWEEN THE BARE END OF THE GREEN WIRE FROM THE PRINTED CIRCUIT BOARD AND THE TRANSDUCER BODY. THE ELECTRICAL RESISTANCE SHOULD BE LESS THAN 5 OHMS.

PARTS LIST

Ref. No.	Part No.	Description
1	28315	PAD, BASE, RUBBER
2	20607	RIVET, 1/8 X 5/32, SEMI TUBULAR, STL ZN PL, NAT RIVET, C1-5
3	73009 B HU	BASE, MIC BLACK
4	38847	WASHER, FLT, .047THK, FIBER, KEYSTONE TYPE 3173
5	38848	WASHER, LOCK, THERM LUG, KEYSTONE #914
6	73011	PAD, ADHESIVE
7	20608	EYELET. .089 X .125"LG, BRASS, STIMPSON GS3-4
8	73004	PC BOARD
9	83563	TRANSDUCER S/A, CT30
10	73007	BRACKET, TRANSDUCER, CT30
11	83564	CABLE S/A, CT30
12	73010	FILTER, POP
13	73008 HU	GRILLE, BLACK
14	63325	SCR, #4 X 1/4, OVL HD, XREC, TYPE F, BLK ZINC

