

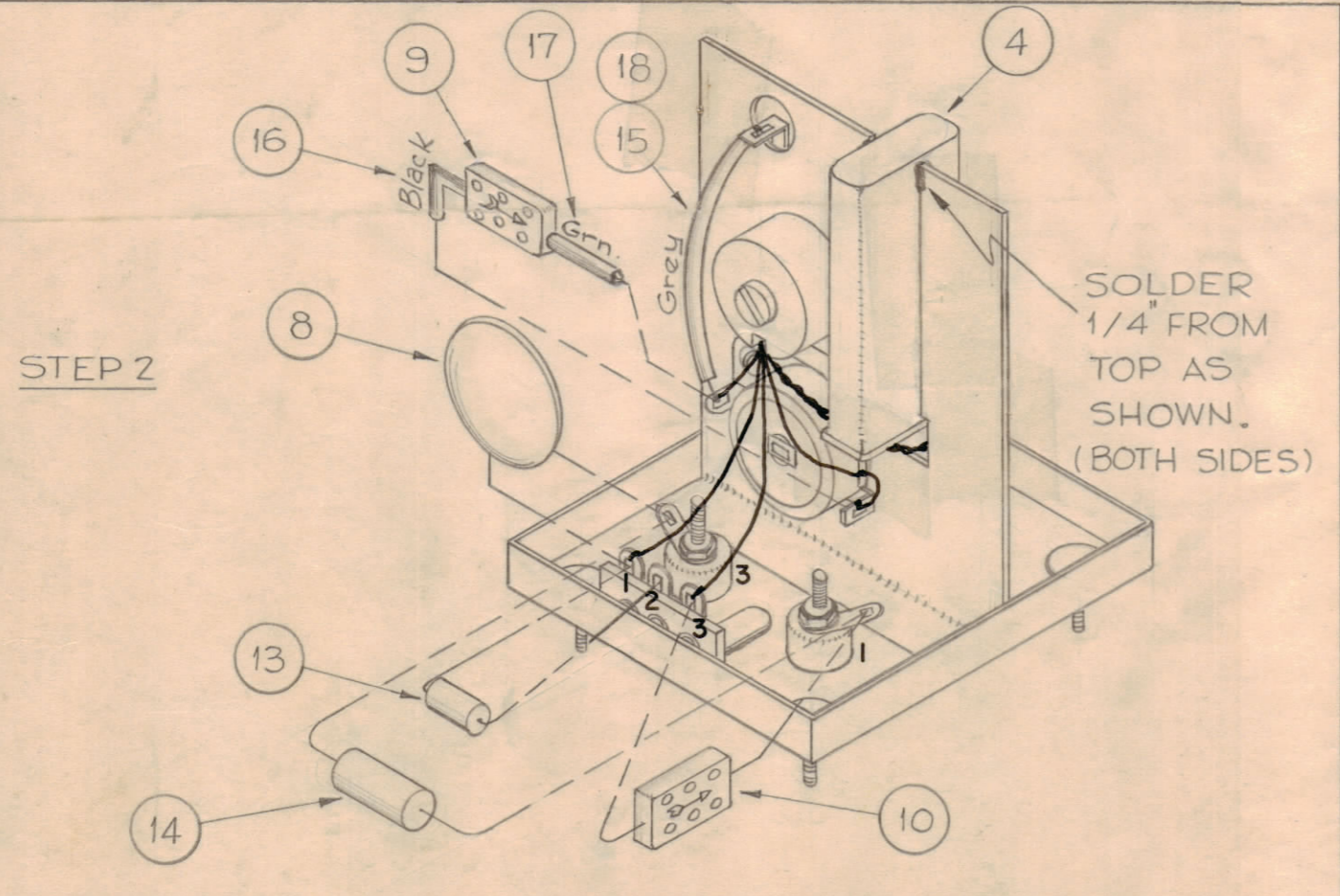
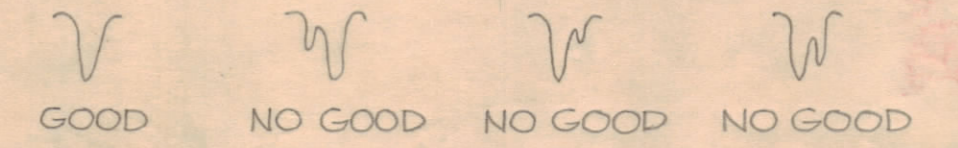
STEP 1

PROCEDURE

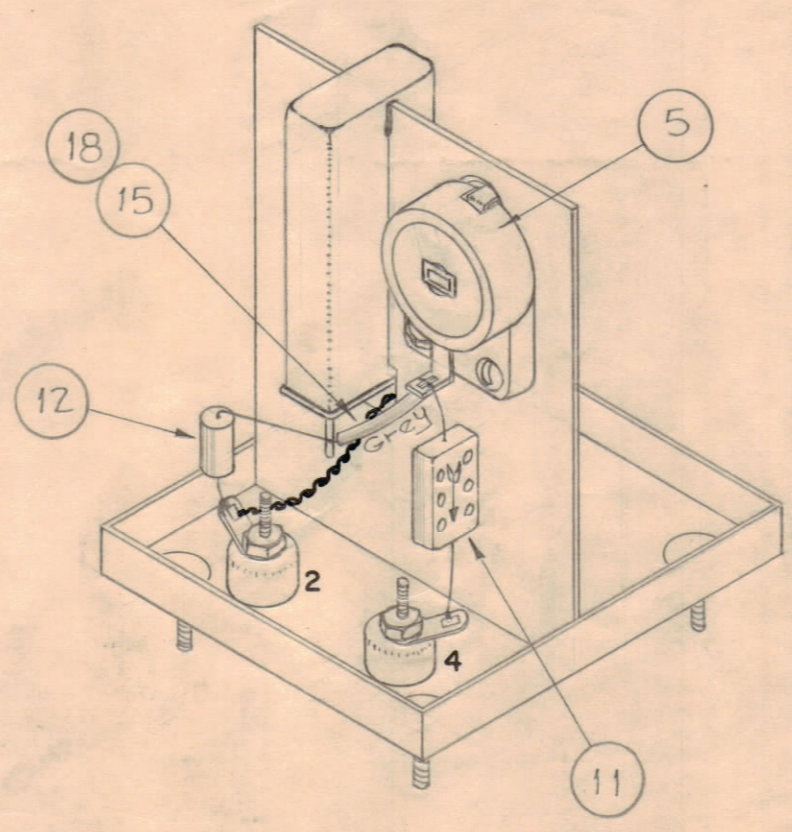
- 1- SOLDER ITEMS 2 & 3 TO ITEM 1 AS SHOWN IN STEP 1.
- 2- ASSEMBLE ALL REMAINING ITEMS IN STEP 1 AS SHOWN.
- 3- STRIP & TIN ALL LEADS ON ITEM 7 & CONNECT:
  - (A) BLACK LEAD TO ITEM 4, AS SHOWN IN STEP 2.
  - (B) WHITE LEAD TO ITEM 6, AS SHOWN IN STEP 2.
  - (C) CONNECT RED LEADS TO TERMINALS 1 & 3 OF ITEM 3 AS SHOWN IN STEP 2.
  - (D) CONNECT TWISTED LEADS TO TERMINAL 2 OF ITEM 1, AS SHOWN IN STEP 3.
- 4- ASSEMBLE REMAINING ITEMS IN STEP 2 AS SHOWN.
- 5- ASSEMBLE ALL ITEMS IN STEP 3 AS SHOWN.
- 6- TEST, SEE TEST DATA
- 7- COMPLETE ASSEMBLY AS SHOWN IN STEP 4.

TEST & ALIGNMENT PROCEDURE

- 1- SETUP UNIT AS PER TMC SPEC NO. S-502.
- 2- ADJUST SWEEP SPEED FOR A GOOD PATTERN
- 3- ADJUST ITEM 6, TRIMMER FOR MAXIMUM GAIN.
- 4- ADJUST ITEM 5, TRIMMER FOR SYMMETRICAL PASS BAND, EXAMPLES:

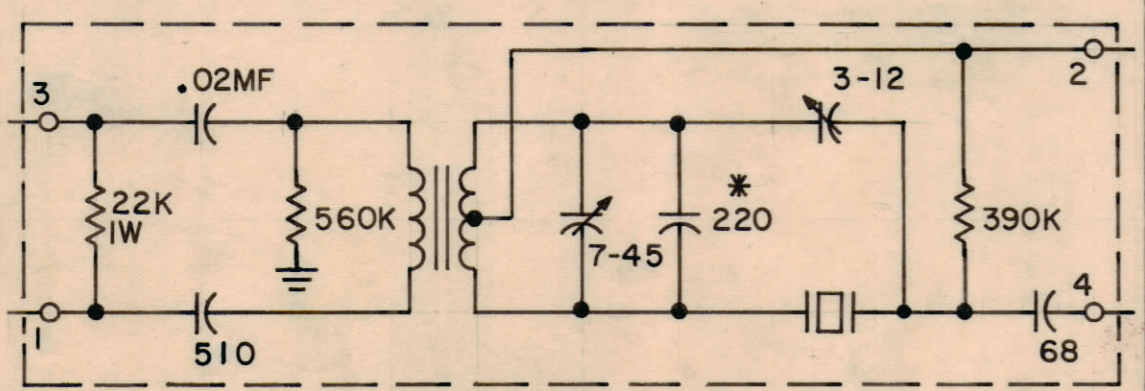


STEP 2

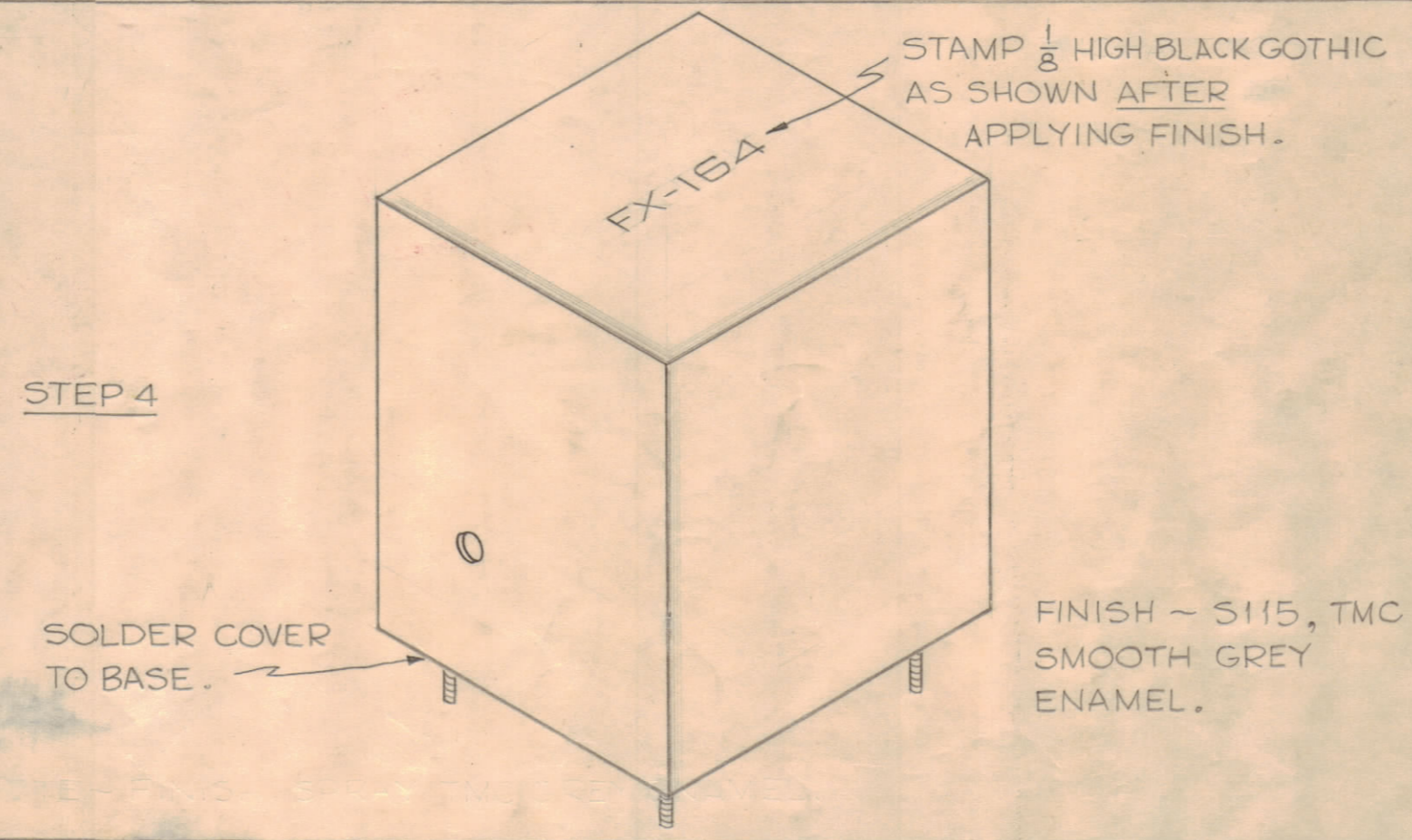


STEP 3

X	25	BS100	SOLDER, SOFT	
3	24	NTH0440BN8	NUT, HEXAGON	
1	23	NTH0348BN6	NUT, HEXAGON	
3	22	SCBS0440BN6	SCREW, MACHINE	
3	21	LWE04MRN	LOCKWASHER, EXTERNAL	
3	20	WA109-17	WASHER, FIBER	
1	19	WA109-9	WASHER, FIBER	
X	18	PX104-7-.034	INSULATION, SLEEVING	Grey
X	17	PX104-4-.034	INSULATION, SLEEVING	Green
X	16	PX104-1-.034	INSULATION, SLEEVING	Black
X	15	WL100-7	WIRE, BUSS BAR	
1	14	RC32GF-223K	RESISTOR, 22K, 1W	
1	13	RC20GF-564K	RESISTOR, 560K, 1/2 W	
1	12	RC20GF-394K	RESISTOR, 390K, 1/2 W	
1	11	CM15E-680G	CAPACITOR, MICA, 68MMF	
1	10	CM15C-511J	CAPACITOR, MICA, 510MMF	
1	9	CM15C-221G	CAPACITOR, MICA, 220MMF	
1	8	CC100-24	CAPACITOR, CERAMIC, .02MF	
1	7	TR161	TRANSFORMER, R.F. FIXED	
1	6	CV11C450	CAPACITOR, VARIABLE, 7-45MMF	
1	5	CV11A120	CAPACITOR, VARIABLE, 3-12MMF	
1	4	CR109-78	CRYSTAL, 100KC	
1	3	TM121-1	TERMINAL STRIP	
1	2	MS-2333	PLATE, COMPONENT MTG.	
X	1	BX209	CAN ASS'Y	



SCHEMATIC



STEP 4

E	C7	ON SCHEM. 510 WAS 500	1/4/64	10688	RD	W	W	W
D	B2	BX209 WAS BX105	10/1/63	10116	RD	W	W	W
C	B2	ITEM(4) WAS CR106	4-26-63	8885	RD	W	W	W
B	D2	ITEMS 16, 17, & 18 WERE PX-100	11-1-60	3333	RD	W	W	W
A	D6	ITEM 13 LEAD TO TERMINAL NO 2. WAS CONNECTED TO TERMINAL NO 3	8-24-60	2865	RD	W	W	W
ISSUE ZONE		DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
TOLERANCES		SCALE: FULL (DO NOT SCALE)						
DEC. DIM. ±		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.						
FRAC. DIM. ± 1/64		REMOVE ALL BURRS AND SHARP EDGES						
ANGULAR DIM. ±								

1	DVM-4			2-1-62
1	DVM-2			8-26-60
REQ PER UNIT	MODEL	SECTION	ABBY. NO.	DATE

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK			
STOCK SIZE			
MATERIAL			
TYPE & TEMPER			
HEAT TREAT. SPEC.			
SEE NOTE			
FINISH & SPEC. NO.			
DRAWN		ELEC. DES. APP.	
CHECKED		MECH. DES. APP.	
John C. Biele		FINAL APPROVAL	
A-1916 E			