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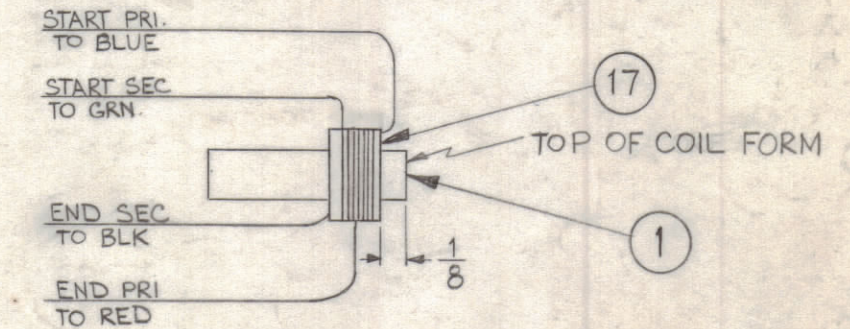
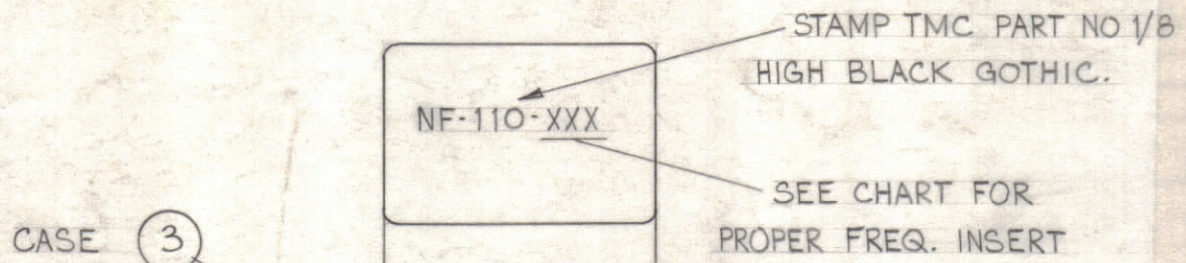
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THE TECHNICAL MATERIEL CORPORATION  
MAMARONECK, NEW YORK

TMC MFG. NO.	C1 (ITEM 15)	L1									L2		TMC PART NO. (Stamp On Can)	BASE COLOR CODE
		IND No Core	Q	COIL RES.	TEST FREQ.	CAM GEAR	CAM DRIVER	CAM	TURNS	WIRE (ITEM L1 and L2)	TURNS			
A-2424-705	CM15C151K	128 uh +8 uh	55 OR BETTER	6Ω	790 KC	105	69	.250	150	WI-104-341-SCQS LITZ	15 TURNS	NF-110-705	ORANGE	
A-2424-2000	CM15C131K	14.5 uh + 1 uh	50 OR BETTER	2Ω	2.5 MC	105	69	.250	52	WI-104-341-SCQS LITZ	5 TURNS	NF-110-2000	BLACK	
A-2424-350	CM20F751903	264uh ± 10%	60 OR BETTER	2.7Ω	790KC	81	39	.250	190	WI-104-1141-SCQS	22 TURNS	NF-110-350	ORANGE/BLACK	

**WINDING AND ASSEMBLY INSTRUCTIONS**

1. WIND PRIMARY COIL STARTING 1/8" FROM END OF COIL FORM. STAKE ENDS WITH GL-103 (ITEM 9).
2. COLOR CODE BASE AS SHOWN.
3. STRIP AND TIN LEADS. SOLDER THEM TO PROPER COLOR-CODED TERMINALS ON BASE.
4. MEASURE Q, IND. AND RES., WITHOUT CORE.
5. WIND ONE LAYER OF ELECTRICAL TAPE (ITEM 17) OVER PRIMARY WINDING.
6. WIND SECONDARY COIL CLOSE WOUND OVER TAPED PRIMARY, STARTING 1/16 FROM EDGE OF TAPE.
7. BAKE 15 MINUTES AT 220°F. SATURATE COILS WITH GL-102 (ITEM 10).
8. STRIP AND TIN SECONDARY LEADS. SOLDER ALL LEADS TO PROPER COLOR-CODED TERMINALS ON COVER.
9. SOLDER COMPONENT LEADS TO TERMINALS.
10. ASSEMBLE AS PER ASSEMBLY DRAWING. PLACE IN CASE.
11. SOLDER COVER TO CAN (ALL AROUND).
12. PAINT CAN (ALL SURFACES EXCEPT TERMINAL END). PAINT SPEC. S-371 DEGREASE; S-114 ZINC CHROME PRIMER; S-115 SMOOTH GRAY ENAMEL.
13. STAMP TOP OF CAN AS SHOWN.

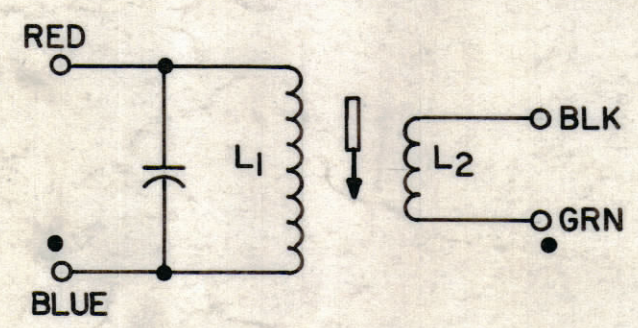


WIRING DETAIL

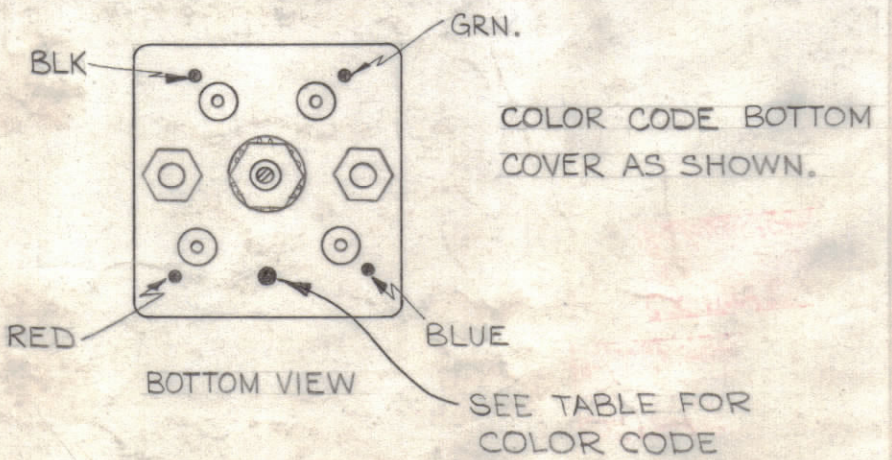
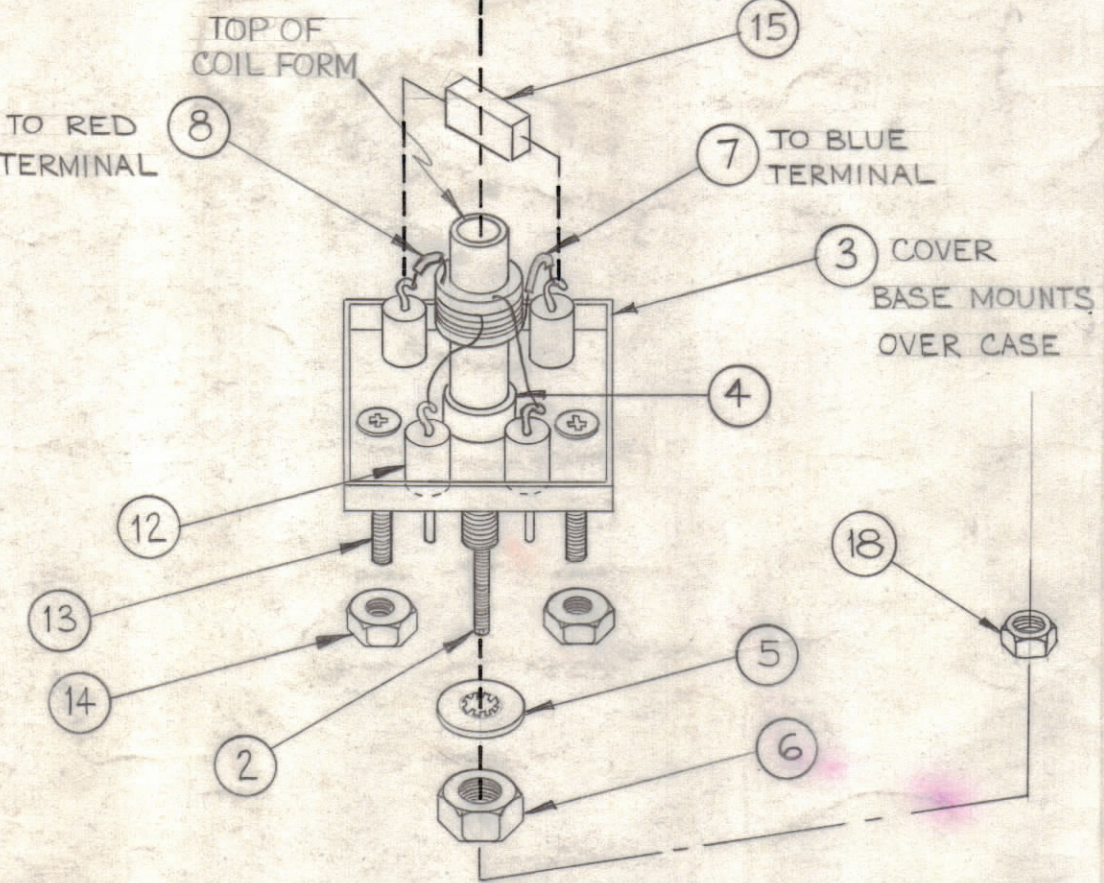
**NOMENCLATURE**

A-2424 - 705  
BASIC NUMBER FREQUENCY KCs

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
1	18	NTH0348BN6	NUT, HEX	
X	17	TA-113-1-.250	TAPE, ELECTRICAL	
X	16	SEE CHART	WIRE, LITZ	
1	15	SEE CHART	CAPACITOR, FIXED, MICA	C1
2	14	NTH0632BN8	NUT, HEX	
2	13	SCBP0632BN6	SCREW, MACHINE	
4	12	PL-217-1-9	PLUG, MINIATURE	
X	11	BS-100	SOLDER, SOFT	
X	10	GL-102	Q-DOPE	
X	9	GL-103	DUCO	
X	8	PX-104-3-.085	INSULATION, SLEEVING	RED
X	7	PX-104-6-.085	INSULATION, SLEEVING	BLUE
1	6	NTH0832BN8	NUT, HEX	
1	5	LW108MRN	LOCKWASHER, INTERNAL	
1	4	SM-140-2	BUSHING, COIL MOUNTING	
1	3	BX-198	CASE AND COVER	
1	2	CI-126-1	CORE, TUNING	
1	1	CF-122-1.0	COIL FORM .250 O. D.	



SCHEMATIC DIAGRAM



BOTTOM VIEW

SYM	ZONE	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
C	-	LINE A2424-350	3/29/62	15434	RWW		
B	-	ADDED ITEM 18 TO DWG	11/14/63	10412	AG		
A	H2	ADDED BASE COLOR CODE	5-28-63	8126	AG		

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°

SCALE DO NOT SCALE  
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS & SHARP EDGES

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
1	AFC-2A		A-2424-705	4-12-62
1	AFC-3		A-2424-2000	4-5-62

USED ON

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
NF-110 ASSEMBLY				
FILTER, BANDPASS #3				
MATERIAL				
STOCK SIZE				
FINISH & SPEC. NO.				
TYPE & TEMPER HEAT TREAT. SPEC.				
ELEC. DES. APP. MECH. DES. APP. SHEET OF				