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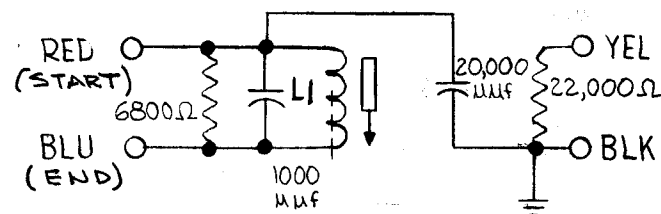
COIL DATA

SPECIFICATIONS	PRIMARY
CAM	.250
CAM GEAR	105
CAM DRIVER	69
IND +10%	300 μ h
Q	55 or greater
COIL RES. +10%	10 Ω
TEST FREQ.	790 KC
COND. (uuf)	1000
WINDING DATA	
URNS	220
WIRE	WI-104-341-DS-QS

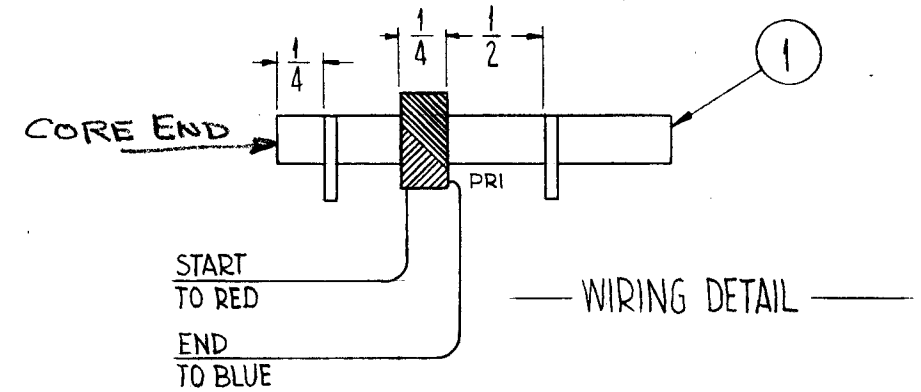
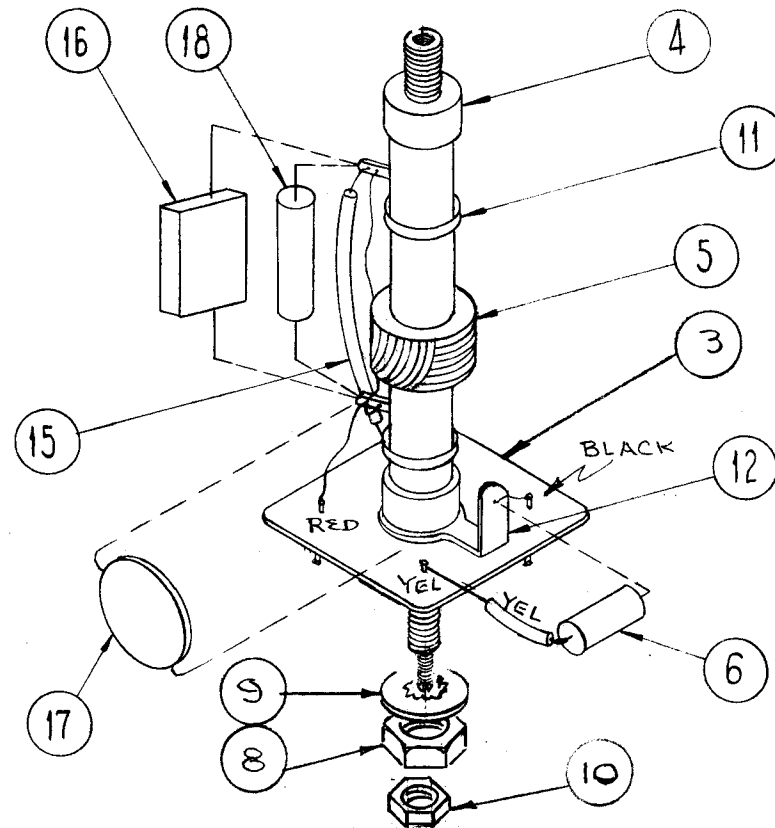
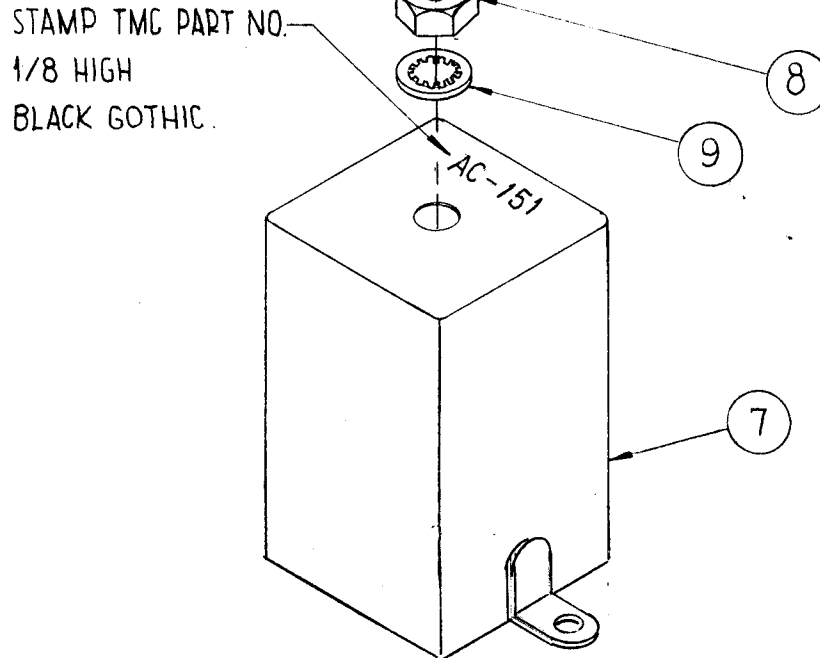
WINDING INSTRUCTIONS

1. WIND PRIMARY 220 TURNS (ITEM 5) STARTING 5/8 FROM END OF COIL FORM. STAKE ENDS WITH GL-103 (ITEM 13).
2. COLOR CODE COIL 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. BAKE FOR 30 MINUTES AT 215°F. SATURATE COILS WITH GL-104-2 (ITEM 14).
6. BAKE HARD FOR ONE HOUR AT 215°F.
7. SOLDER COMPONENT LEADS TO TERMINALS.
8. ASSEMBLE AS PER ASSEMBLY DRAWING. PLACE IN CAN.

NOTE: USE BOONTON CORP. Q METER MODEL 160A OR EQUIV.



SCHEMATIC DIAGRAM



REQ.	ITEM	PART NO.	FIELD DESCRIPTION	SYMBOL
X	19	PX-104-2-.042	SLEEVING, INSULATION	YELLOW
1	18	RC20GF682K	RESISTOR, CARBON FIXED	
1	17	CC-100-24	CAPACITOR, FIXED, CER. DISC.	
1	16	CM20F102G03	CAPACITOR, FIXED MICA	
X	15	PX-104-6-.034	SLEEVING, INSULATION	BLUE
X	14	GL-104-2	INSULEX, U85	
X	13	GL-103	DUCO	
1	12	TE-104-3	TERMINAL, LOCKING	
2	11	TE-153-1	TERMINAL, RING TYPE	
1	10	NTH0348BN6	NUT, HEX	
2	9	LW108MRN	LOCKWASHER, INTERNAL	
2	8	NTH0832BN8	NUT, HEX	
1	7	A-1950-1	CAN ASSEMBLY	
X	6	RC20GF223J	RESISTOR, CARBON FIXED	
X	5	WI-104-341-DS-QS	WIRE, LITZ	
2	4	SM-140-2	BUSHING, COIL MTG.	
1	3	PX-585-1	TERMINAL, BD., TRANS. 4 LUGS	
1	2	CI-116-6	CORE, TUNING	
1	1	CF-122-1.93	COIL FORM, .250 O.D.	

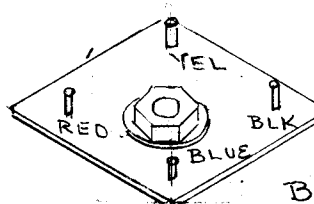
REQ.	ITEM	PART NO.	FIELD DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
AC-151 ASSEMBLY				
MATERIAL				
STOCK SIZE				
FINISH & SPEC. NO.				
TYPE & TEMPER HEAT TREAT. SPEC.				
DRAWN				
CHECKED				
FINAL APPROVAL				
ELEC. DES. APP. MECH. DES. APP.				

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	BUILD UP UPDATED (ITL & IG)	2.27.67	17850	WHD	QCB	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$ ANGLES $\pm 1/20$

SCALE:
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

COLOR CODE AS SHOWN



BOTTOM VIEW

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
2	HFA-1			4-26-62
USED ON				