

A-2501

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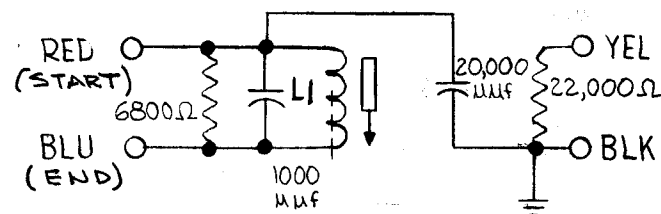
COIL DATA

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

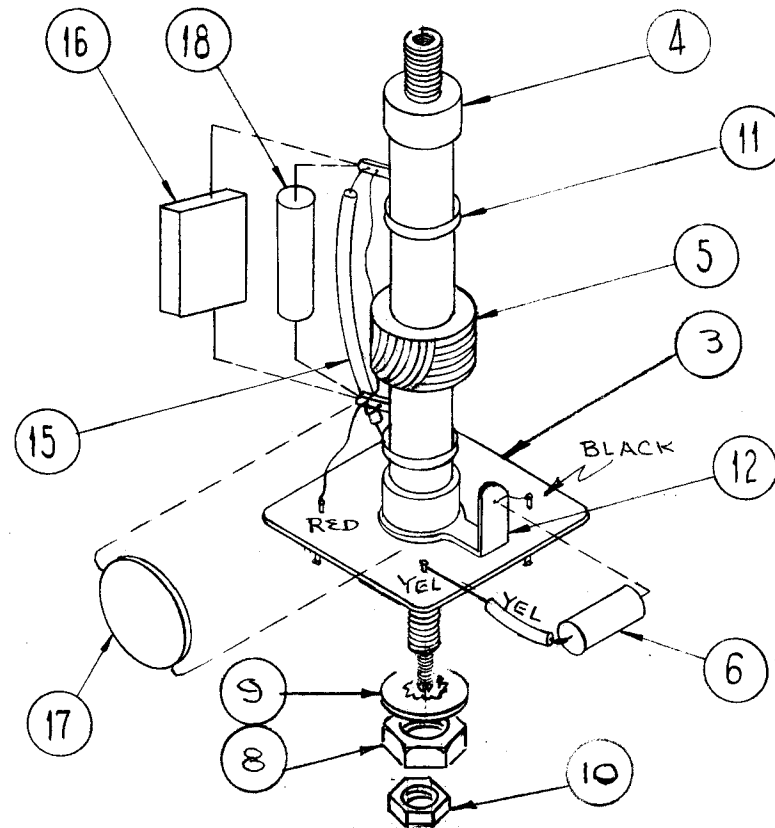
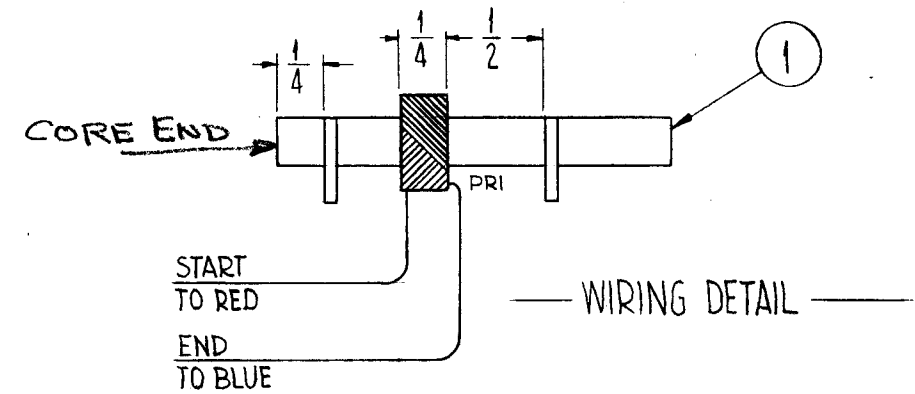
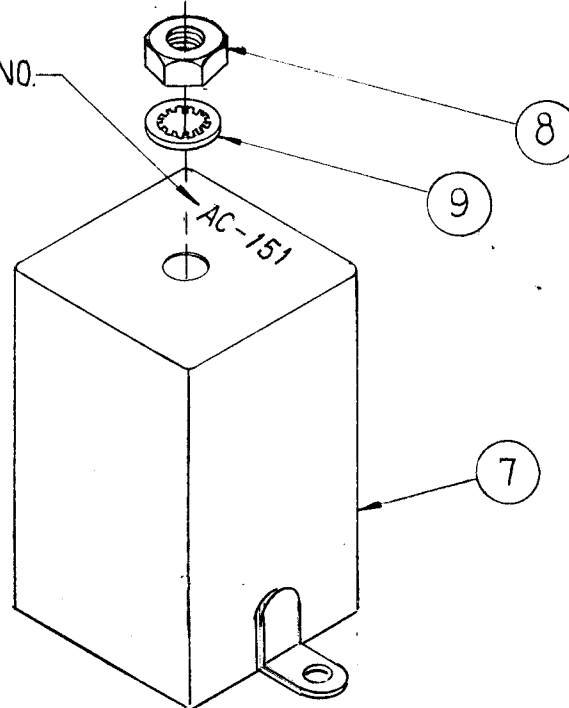
1. WIND PRIMARY 220 TURNS (ITEM 5) STARTING 5/8 FROM END OF COIL FORM. STAKE ENDS WITH GL-103 (ITEM 13).
2. COLOR CODE COIL BASE AS SHOWN.
3. STRIP AND TIN LEADS. SOLDER THEM TO PROPER COLOR-CODED TERMINALS ON BASE.
4. MEASURE Q, IND, AND RES. WITHOUT CORE.
5. BAKE FOR 30 MINUTES AT 215°F. SATURATE COILS 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.

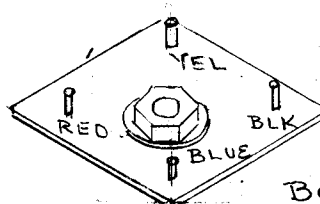


SCHMATIC DIAGRAM

STAMP TMC PART NO.
1/8 HIGH
BLACK GOTHIC.



COLOR CODE AS SHOWN



BOTTOM VIEW

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				
STOCK SIZE				
MATERIAL				
TYPE & TEMPER		HEAT TREAT. SPEC.		FINISH & SPEC. NO.
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 ± 1/64 DECIMALS ± .005 ANGLES ± 1/20

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

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