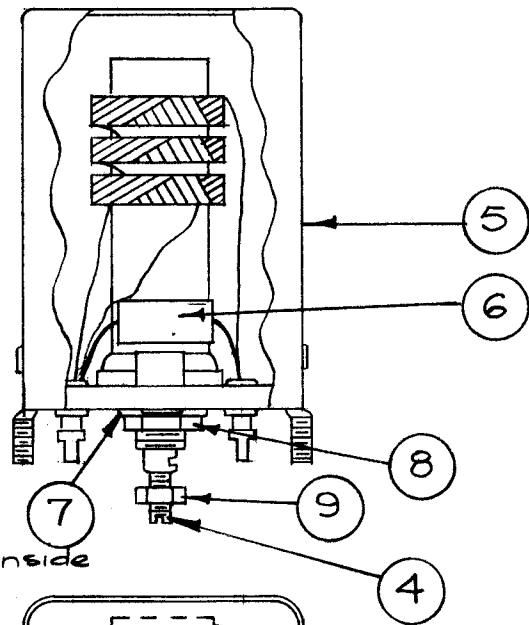
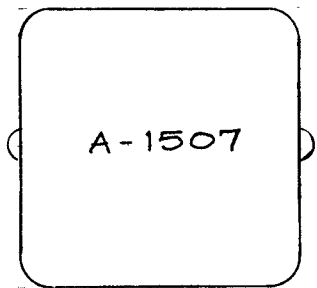
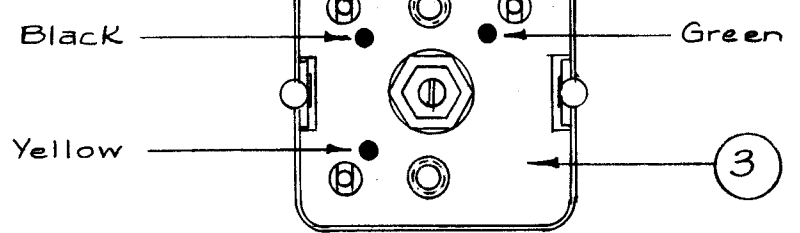


A-1506

Stamp Can as shown - 1/8 high Black Gothic.  
 Note- Stamp TMC insigna & Approval on side of Can.



(item 6)  
 Wire Capacitor Inside  
 from BIK. to Grn.



Color Code Terminal Board as shown.

Winding Machine Data

Cam Gear 100  
 Driver Gear 104  
 Cam .156

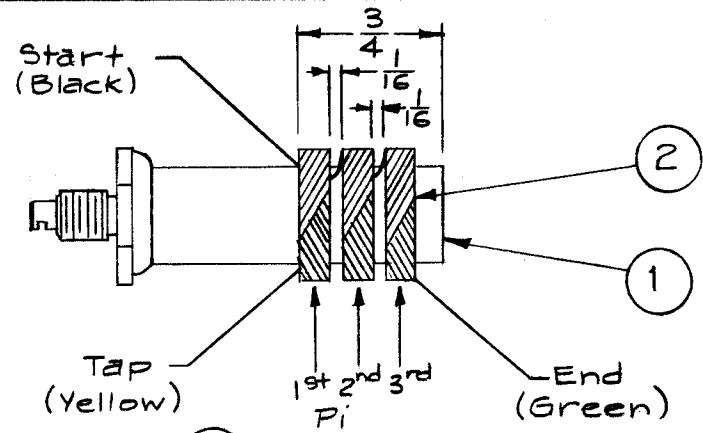
Winding Data

1. Start 1st Pi 3/4" from end of coil form. Use winding finger with guide on left. Start winding with finger in extreme left hand position of travel.
2. Tap 1st Pi at 175 Turns.
3. End 1st Pi at 200 Turns.
4. Start 2nd Pi 1/16" from end of 1st Pi.
5. End 2nd Pi at 400 Turns.
6. Start 3rd Pi 1/16" from end of 2nd Pi.
7. End 3rd Pi at 600 1/4 Turns.
8. Stake Tap & Ends to coil form with cement (item 10).
9. Bake for 1/2 hour at 215° F.
10. Apply coating of item 11 (GL-104-2). Air dry for 10 minutes.
11. Bake for 2 hours at 215° F.
12. Test as below.
13. Assemble as shown at left.

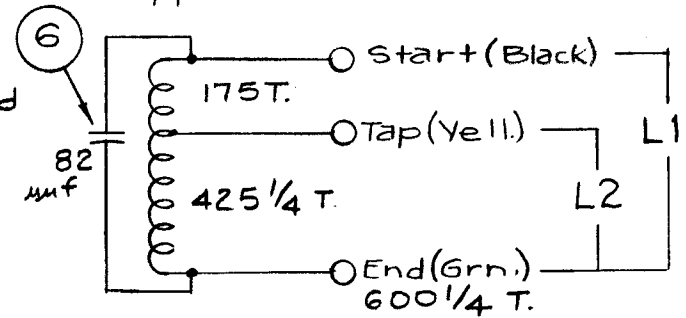
Test Data (without Core)

Winding L1 (Grn.- BIK.) - 3.3(3.1-3.5) millihenries  
 Q = 50 or greater Freq. = 250 Kc  
 Winding L2 (Grn.- Yell.) - 2.0(1.9-2.1) millihenries  
 Q = 50 or greater Freq. = 250 Kc

Use Boonton Radio Corp. Q Meter Model 160A or Equiv.



Color Codes Shown  
 are the terminal board  
 colors.



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REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
X 12	BS-100	Solder, Soft	
X 11	GL-104-2	Insulex, U85	
X 10	GL-103	Cement, Duco	
1 9	NTH0632BC8	Nut, Hex.	
1 8	NTH2528BC14	Nut, Hex.	
1 7	LWI25MRC	Lockwasher, Int.	
1 6	CM20C820G	Capacitor, Fixed, Mica	C32
1 5	A-163	Can Ass'y.	
1 4	CII03D7B5	Core, Tuning	
1 3	A-162	Terminal Board Ass'y.	
X 2	WI-107-15	Wire, Magnet #34 DSC	
1 1	CF-114-3	Coil Form	

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
FIRST Osc. Ass'y. (A-1507)			
MATERIAL			
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.
		16/10/58	JBR
		P.L.K.	AW
			A-1506

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
TOLERANCES							
SCALE:							
DEC. DIM. ±							
FRAC. DIM. ±							
ANGULAR DIM. ±							
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES							

REQ. PER UNIT	MODEL	PROJECT NO.	SYMBOL NO.	DATE
1	A-1507	MSR-3	Z3	4-10-58
USED ON				