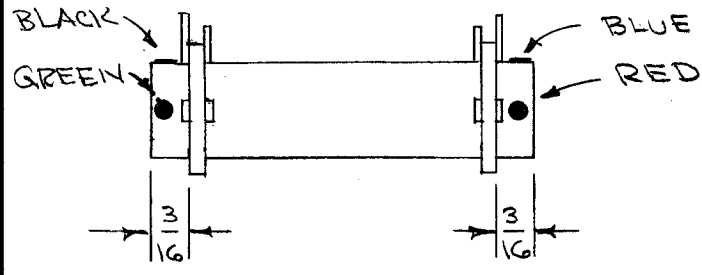


H
A-962



COIL FORM ASSY.

- 1- CEMENT TERMINAL RINGS TO COIL FORM WITH ITEM 4 IN POSITION SHOWN ABOVE.
- 2- COLOR CODE COIL FORM AS ABOVE.

WINDING MACHINE DATA

SECONDARY		PRIMARY	
RACK GEAR	100	DRIVER GEAR	95
RACK DRIVER	56	CAM GEAR	49
CAM	.187	CAM	.125
CAM GEAR	66		
DRIVER GEAR	63		

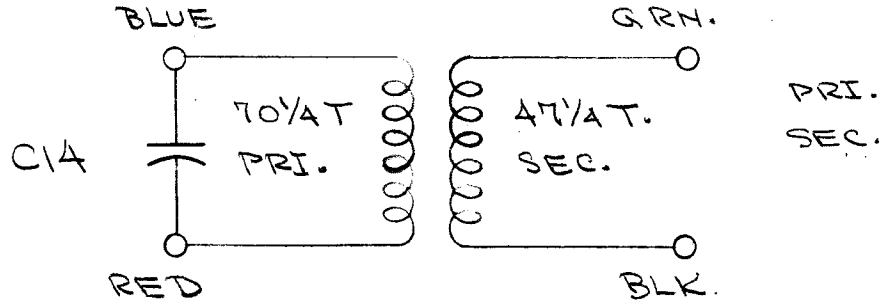
WINDING DATA

- 1- SECONDARY (WIND ON BEFORE PRIMARY). STARTING AT BLACK LUG, 47/4 TURNS OF ITEM 2, (PROGRESSIVE UNIVERSAL WINDING) ENDING ON GREEN LUG.
- 2- PRIMARY - STARTING ON BLUE LUG, 70/4 TURNS OF ITEM 3 (UNIVERSAL WINDING) END ON RED LUG.
- 3- STAKE LEADS TO COIL FORM WITH ITEM 4. STRIP, TIN & SOLDER LEADS TO LUGS AS SHOWN.
- 4- BAKE FOR 1/2 HOUR AT 215° F.
- 5- SATURATE COILS WITH ITEM 5. BAKE FOR 1/2 HOUR AT 215° F.
- 6- REPEAT STEP 5.
- 7- SOLDER CONNECT TEST LEADS TO LUGS (APPROX. 1/4" OF #22 BUSS BAR). TEST AS BELOW. REMOVE TEST LEADS.

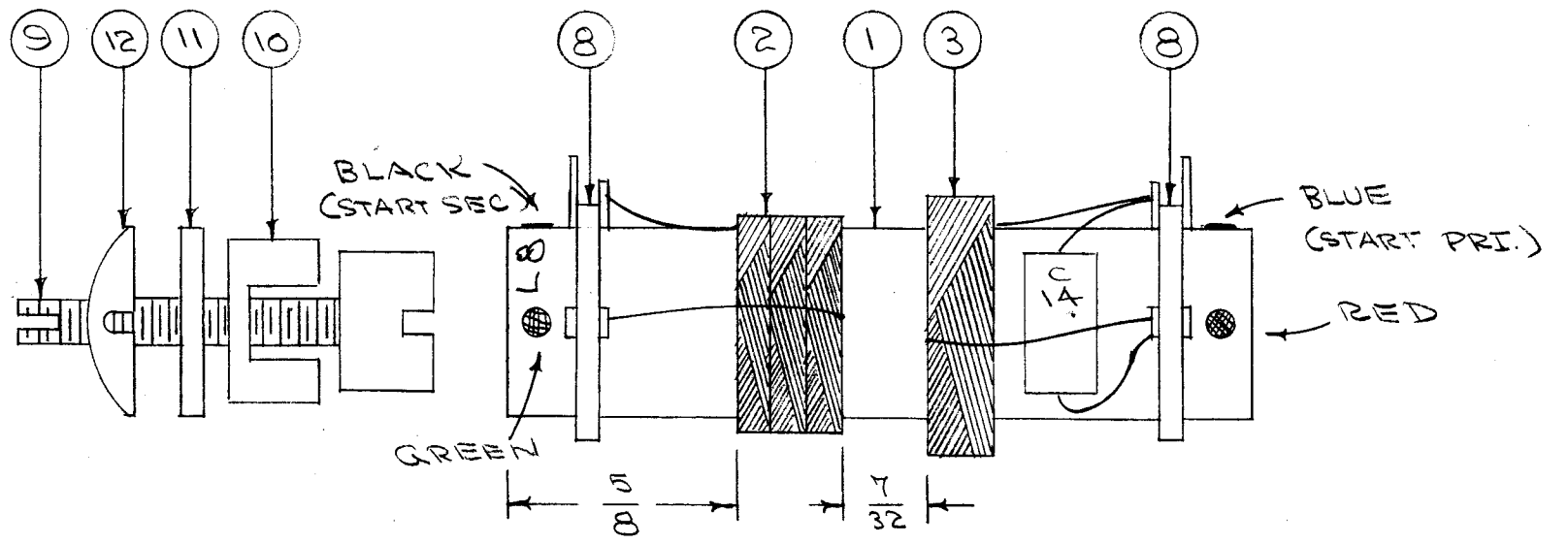
TEST DATA w/o CORE

WINDING	* L μH	* Q	F	** RΩ APPROX.
SEC.	27.5 (26.1-28.9)	90 OR GREATER	2.5 MC	2.0
PRI.	94 (89-99)	40 " "	790 KC	5.0

* USE BOONTON Q METER 160 A OR EQUIV.
 ** " SIMPSON OHMETER 260 " "



FREQ. RANGE 1.43 - 3.3 MC



NOTE: COIL MUST BE INSTALLED IN CHASSIS BEFORE ITEMS 9-10-11-12 ARE CEMENTED TO COIL FORM WITH ITEM 13.
 FOR IDENTIFICATION, STAMP THE NUMBER LB ON THE COIL FORM IN ANY CONVENIENT SPOT.

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
X 13	GL-111	CEMENT, "INSA-LUTE"	
1 12	FS-112	FASTENER	
1 11	WA-125-2	WASHER, FIBER	
1 10	NT-112	NUT, SPEED	
1 9	CI-109-7	CORE	
2 8	TE-146-2A	TERMINAL RING	
1 7	CM15C271G	CAPACITOR, FIXED	C14
X 6	BS-100	SOLDER, SOFT	
X 5	GL-102	Q MAX	
X 4	GL-103	CEMENT, DUCO	
X 3	WI-107-17	WIRE, MAGNET #36 DSC	
X 2	WI-104-541SNE	WIRE, LITZ 5/41 SNE	
1 1	CF-112	COIL FORM	

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
H	3	CHG. TITLE	5/19/60	2271	Cy	PJB	W
	2	NT-112 WAS NT-113					
	1	WA-125-2 WAS WA-125					
G	1	CM15C271G WAS CM15D271G	8-20-59	1198	DM	MB	AMB
F	2	Q OF 40 WAS 45	11/15/56	6	LG	P.L.K.	AJJ
	1	Q OF 90 WAS 95					
E	1	REDRAWN COMPLETE REVISION	8/2/56	5	EDD	P.L.K.	AJJ

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

REQ. PER UNIT	MODEL	PROJECT NO.	SYMBOL NO.	DATE
1	GPR-90-RXD		LB	5-23-60
1	GPR-90	297	LB	8-2-56

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
TRANSFORMER, RF, TUNED, BAND 2			
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED
		P.L.K.	
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.
		A-962 H	