

A-2125

TEST DATA w/o core

WINDING	L uh *	Q*	F
L1	20.5 (19.5-21.5)	100 or greater	2.5 MC
L2	13.5 (12.9-14.1)	90 " "	"

*USE BOONTON Q METER 160 A OR EQUIVALENT.

COIL FORM ASSEMBLY

1. Cement terminal rings to coil form with item 3 in position shown.
2. Color code coil form as shown.

WINDING MACHINE DATA

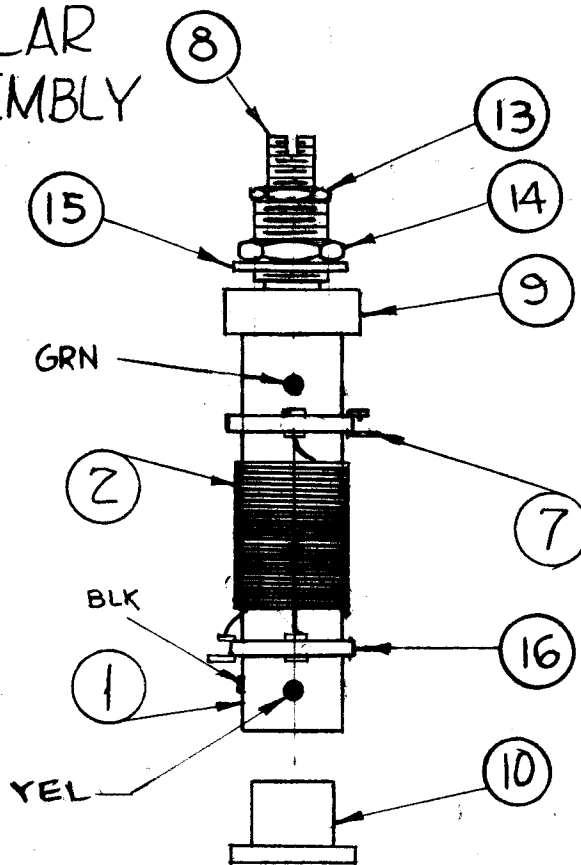
Rack gear 42
Rack driver gear 50

WINDING DATA

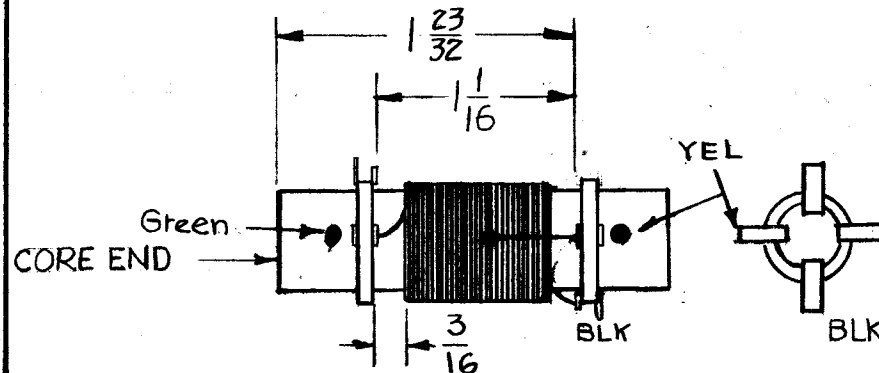
1. Starting at green lug wind on 38 turns of item 2.
2. Bring out 1" long twisted tap as shown.
3. Continue winding for 14 1/4 turns making a total of 52 1/4 turns.
4. Stake ends to coil form with item 3.
5. Strip & tin ends and tap. Solder connect to lugs as shown.
6. Bake for 1/2 hour at 215° F.
7. Saturate coil with item 5. Bake for 30 min. at 215° F.
8. Solder 1" of #22 Buss Bar to each lug for test.
9. Make test (SEE CHART). Remove test leads.
10. Solder capacitor in place as shown.

12. Assemble items 8, 9 and 10 to coil. Cement item 9 to coil form with item 11. Tack item 10 at one point with item 3.

COLLAR ASSEMBLY

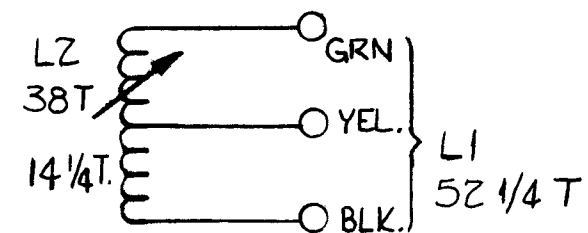


NOTE: FOR IDENTIFICATION STAMP THE NUMBER TT-142 ON THE COIL FORM IN ANY CONVENIENT SPOT.



COIL SPACING

SCHEMATIC



FREQ. RANGE 1.855 to 3.755 MC

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
F	IT 9 WAS SM142	2-26-65	13561	RF	JAC	[Signature]
E	ITEM #8 WAS CI-109-13 IN ASSY NOTE DELTD	10-4-63	10152	RF	JAC	[Signature]
D	ITEM #8 WAS CI-109-2	9-26-63	10065	RF	JAC	[Signature]
C	IN WINDING DATA # (1) DEL. IN BUILD-UP ITEM 12 DEL. IN BUILD-UP PICT & SCHEM ITEM (6) DEL.	8-29-63	9866	AK	JAC	[Signature]
B	ITEM (12) WRS CD-101-3-MW	3-5-63	8402	RC	JAC	[Signature]
A	SYM. C177 WAS C154	1-22-63	8031	[Signature]	JAC	[Signature]

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

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
1	GPR-9Z	HF OSC	T119	10-16-62
USED ON				

REQ.	ITEM	PART NO.	STOCKER DESCRIPTION	SYMBOL
1	16	TE-146-4	RING, TERMINAL	
1	15	LW125MRN	LOCKWASHER, INT. TOOTH	
1	14	NT-102	NUT, HEX	
1	13	NTH0632BN8	NUT, HEX	
	12	DELETED		
X	11	GL-111	CEMENT, "TNSA-LITE	
1	10	FS-114-2	FASTENER, WELL-NUT	
1	9	SM-143-4	BUSHING COIL MTG.	
1	8	CI-109-8	CORE	
1	7	TE-146-2A	RING, TERMINAL	
	6	DELETED		
X	5	GL-102	Q MAX	
X	4	BS-100	SOLDER, SOFT	
X	3	GL-103	CEMENT, DUCO	
X	2	WT-104-5418NE	WIRE, LITZ	
1	1	CF-112	COIL FORM	

REQ.	ITEM	PART NO.	STOCKER DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
TT-142 ASSY				
COIL, R.F., TUNED, BAND 2				
RUIZZO [Signature] [Signature] [Signature]				
TYPE & TEMPER		HEAT TREAT. SPEC.		FINAL APPROVAL
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.
				A-2125 F