

A-2126 G

COIL FORM ASSEMBLY

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

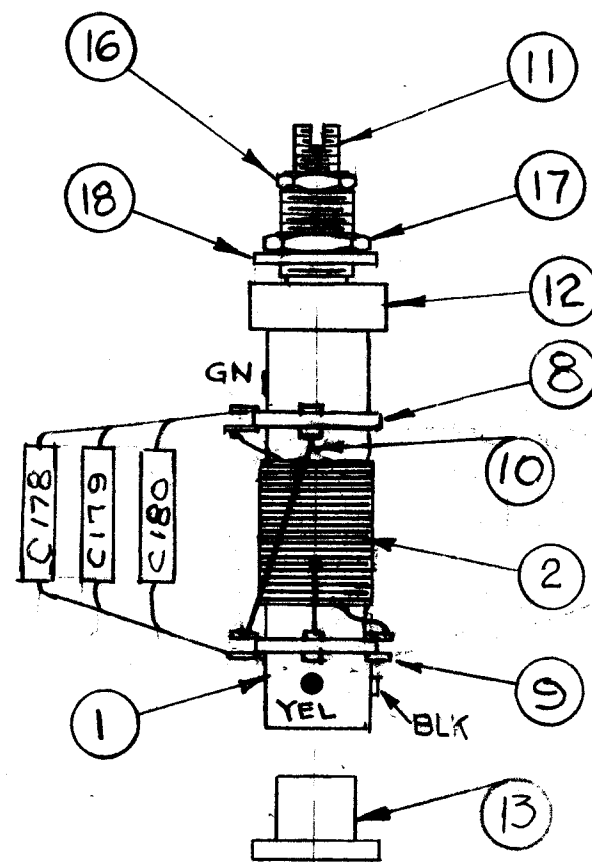
WINDING MACHINE DATA

Rack gear 48
Rack driver gear 80

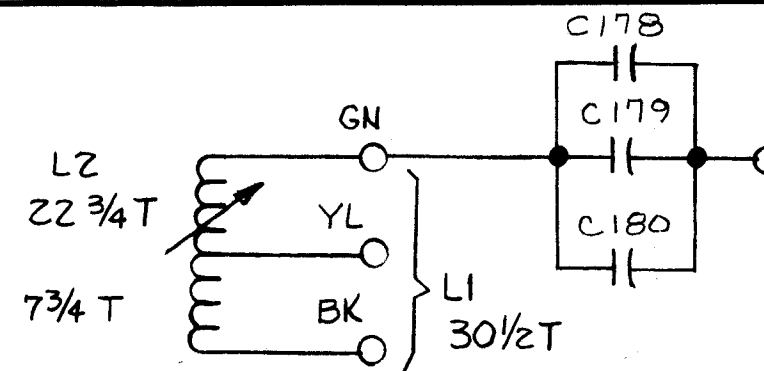
WINDING DATA

1. Starting at green lug wind on 22 3/4 turns of item 2.
2. Bring out 1" long twisted tap as shown.
3. Continue winding for 7 3/4 turns making a total of 30 1/2 turns.
4. Stake ends to coil form with item 3.
5. Strip, tin & solder leads 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 buss bar to each lug for test.
9. Make tests (SEE CHART). Remove test leads.
10. Solder capacitors in place as shown.
11. Tie capacitors to coil w/ item 15, seal knots w/ item 3.
12. Assemble items 11,12,13, to coil. Cement item 12 to form with item 14. Tack item 13 at one point with item 14.

— COLLAR ASSY —



NOTE KEEP CAPACITOR LEADS SHORT BUT DO NOT ALLOW ANY CAP. TO TOUCH A LUG.



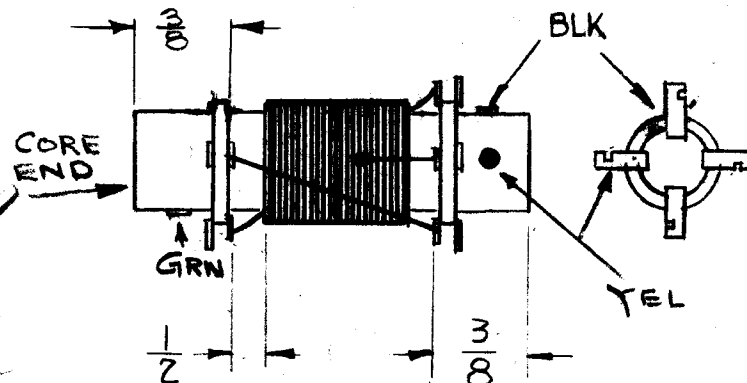
FREQ. RANGE-3.755 to 6.055 MC

— SCHEMATIC —

WINDING	L uh *	Q*	F
L1	8.2 (7.8-8.6)	100 of greater	7.9 MC
L2	5.5 (5.25-5.75)	85 or greater	"

* USE BOONTON Q METER 160 A OR EQUIVALENT.

NOTE: FOR IDENTIFICATION STAMP THE NUMBER TT-143 ON COIL FORM IN ANY CONVENIENT SPOT.



— COIL SPACING —

1	18	LWI25MRN	LOCKWASHER, INTERNAL TOOTH	
1	17	NT-102	NUT, HEX	
1	16	NTH0632BN8	NUT, HEX	
X	15	CD-101-I-MW	CORD, LACING	BLACK
X	14	GL-111	CEMENT, "INSA-LUTE"	
1	13	FS-114-2	FASTENER WELL NUT	
1	12	SM-143-4	BUSHING COIL MTG	
1	11	CI-109-8	CORE	
X	10	WL-100-5	WIRE, BUSS BAR #18	
1	9	TE-146-4	RING, TERMINAL	
1	8	TE-146-3	" "	
1	7	CC35UJ181J	CAPACITOR FIXED	C178
2	6	CC45UJ751J	" " "	C179, 180
X	5	GL-102	Q MAX	
X	4	BS-100	SOLDER, SOFT	
X	3	GL-103	CEMENT, DUPONT	
X	2	WI-107-11	WIRE, MAGNET	
1	1	CF-112	COIL FORM	

REQ. ITEM	PART NO.	STRUMER	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
STOCK SIZE				
TT-143 ASSY				
COIL R.F., TUND, BAND 3				
MATERIAL				
RLZZO <i>hde</i> BP				
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN	CHECKER
			<i>hde</i>	<i>BP</i>
FINISH & SPEC. NO.		ELEC. DES. APP.		MECH. DES. APP.
		<i>hde</i>		<i>BP</i>

G	ITEM 12 WAS SM142.	2-26-65	13561	92	<i>hde</i>	<i>BP</i>
F	ITEM 11, WAS CI-109-12	5-22-64	11444	15B	<i>hde</i>	<i>BP</i>
E	ITEM #11 WAS CI-109-19	10-4-63	10152	10A	<i>hde</i>	<i>BP</i>
D	ITEM #11 WAS CI-116-10	9-26-63	10065	10A	<i>hde</i>	<i>BP</i>
C	ON COIL SPACING, ADDED 3/8 DIM ON CORE END	4-10-63	8708		<i>hde</i>	<i>BP</i>
B	ITEM (15) WAS CD-101-3-MW	3-5-63	8402	10A	<i>hde</i>	<i>BP</i>
A	SYMBOLS, C178 WAS C155; C179 WAS C156; C180 WAS C157	1-22-63	8031		<i>hde</i>	<i>BP</i>
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED:		SCALE:	
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.	
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°		REMOVE ALL BURRS AND SHARP EDGES	
REQ. PER UNIT	GPR-92	HF OSC.	T120
	MODEL	SECTION	ASSY. NO.
			DATE
	USED ON		
			10-16-62