

A-2129 D

COIL FORM ASSEMBLY

1. Split the terminal rings.
2. Cement the terminal rings to coil form with item 5. (Note that rings follow coil form grooves.)
3. Lug & groove areas between ring must be free of U-85.
4. Bake for one hour at 300°F. Allow to cool at room temperature.
5. Color code rings as above.

WINDING DATA

NOTE: Kinks must be removed from all wire used

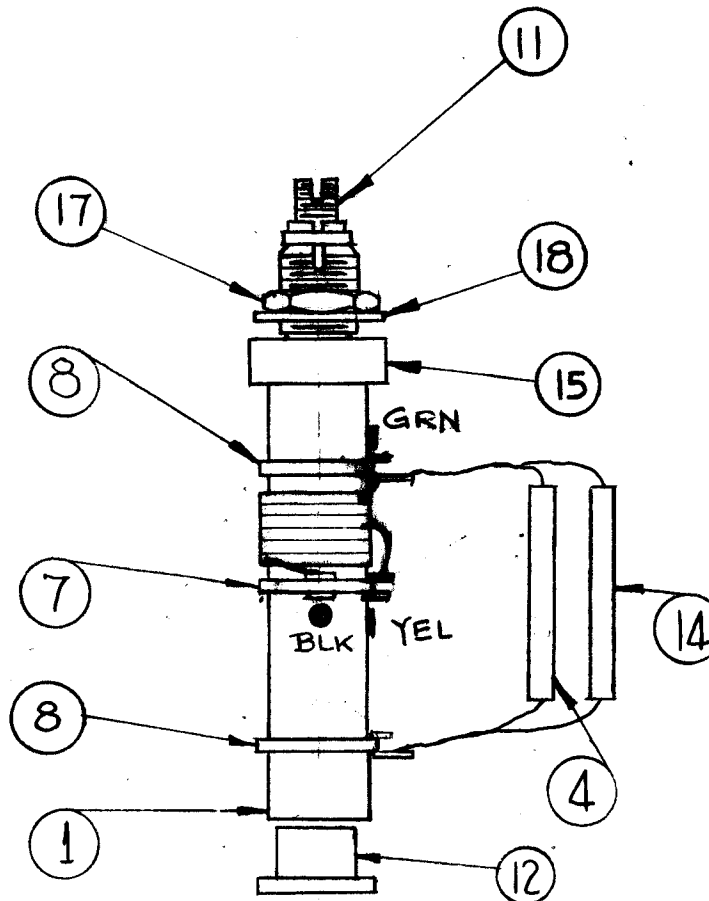
1. Wrap around black lug. Wind on tightly in grooves, 4 1/4 turns of item 2. (Allow 2" lead each end for test purposes). End winding on green lug.
2. Wrap item 3 around yellow lug. Solder tap to coil at 1 1/4 turns from start.
3. Coat winding, tap & rings with item 5. (Lugs and wire on lugs must be free of U-85).
4. Bake for one hour at 300°F. Cool at room temperature.
5. Make solder connections on lugs.
6. Solder connect capacitors in place as shown (Twist cap. Leads together.)
7. Tie capacitors to coil form with item 9. Seal knots with item 10.
8. ASSEMBLE ITEMS 11, 12 & 15 TO COIL. CEMENT ITEM 15 TO FORM WITH ITEM 13
9. Tack item 12 to coil with item 13.

TEST DATA w/o core

Use boonton Q meter 160 A or equivalent.

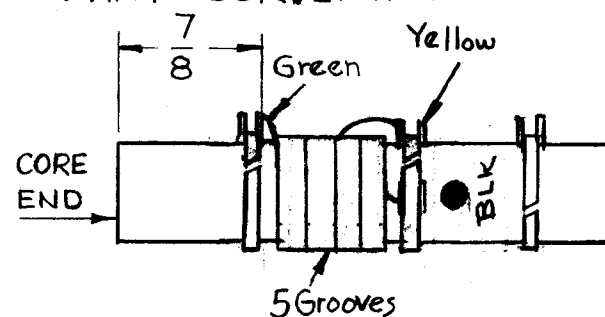
L-.25uh (.22-.28)
Q- 145 or greater
F- 25 MC

Test leads to be 1 1/2" overall

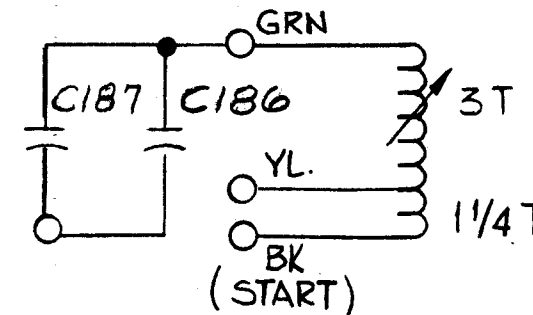


NOTE: KEEP CAPACITOR LEADS SHORT BUT DO NOT ALLOW CAP. TO TOUCH LUG.

NOTE: FOR IDENTIFICATION STAMP THE NO. TT-146 ON THE COIL FORM IN ANY CONVENIENT SPOT



— SCHEMATIC —



FREQ. RANGE 21.255 to 36.255 MC

1	18	LW125MRN	LOCKWASHER, INTERNAL TOOTH	
1	17	NT-102	NUT, HEX	
	16			
1	15	SM-157	BUSHING, COIL MTG.	
1	14	CC45TH391J	CAPACITOR, FIXED	C187
X	13	GL-111	CEMENT, " INSA-LUTE"	
1	12	FS-114-2	FASTENER, WELL-NUT	
1	11	CI-109-8	CORE	
X	10	GL-103	CEMENT, DUCO	
X	9	CD-101-1-MW	LACING CORD	BLACK
2	8	TE-146-1	RING, TERMINAL	
1	7	TE-146-2A	" "	
X	6	BS-100	SOLDER, SOFT	
X	5	GL-104-2	INSULEX, U-85	
1	4	CC45SH391J	CAPACITOR, FIXED	C186
X	3	WL-100-7	WIRE, BUSS BAR #22	
X	2	WL-100-6	" " " #20	
1	1	PX-323	COIL FORM	

REQ. ITEM	PART NO.	STANDARD DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
STOCK SIZE			
TT-146 ASS'Y			
MATERIAL			
COIL, R.F., TUNED, BAND 6			
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN
FINISH & SPEC. NO.		ELC. DES. APP.	MECH. DES. APP.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
D	ITEM #11 WAS CI-109-19	10-4-63	10152	RC	JAZ	[Signature]
C	ITEM #11 WAS CI-109-13	9/24/63	10065	RC	JAZ	[Signature]
B	ITEM 9 WAS CD-101-3-MW	3-7-63	8402	RC	[Signature]	[Signature]
A	SYMBOLS C187 WAS C166 C186 WAS C167	1-22-63	8031	RC	[Signature]	[Signature]