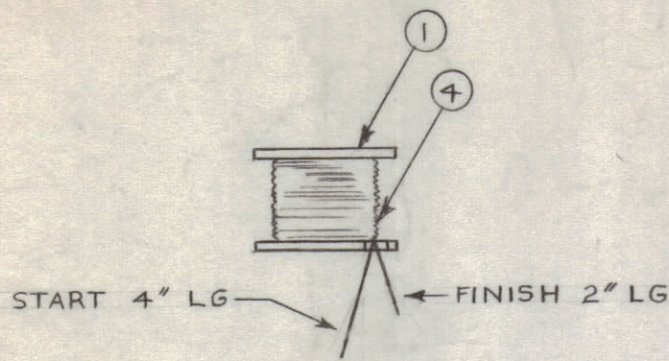
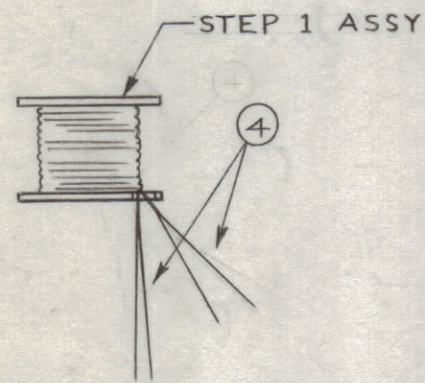


STEP 1:



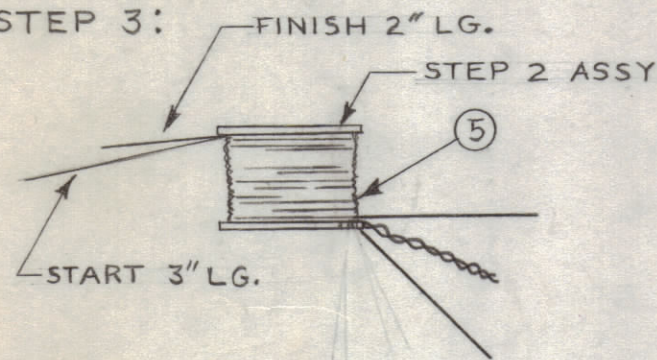
1. WIND 125 TURNS OF MAGNET, WIRE ITEM ④ ON BOBBIN ITEM ①.
2. STAKE WITH DUCO CEMENT ITEM ⑦.

STEP 2:



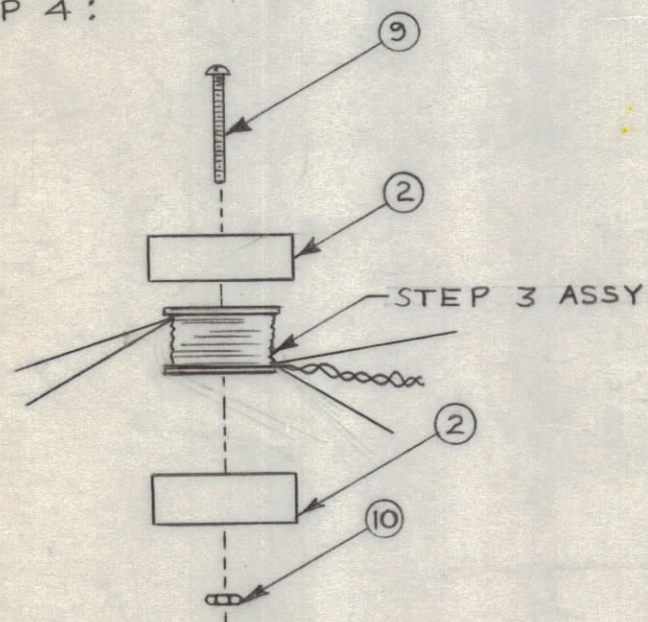
1. SEPARATE RED & GREEN WIRES WITH RAZOR BLADE. AS ITEM ②.
2. TWIST TOGETHER THE RED OF 2" LG. TO GREEN OF 4" LG.

STEP 3:



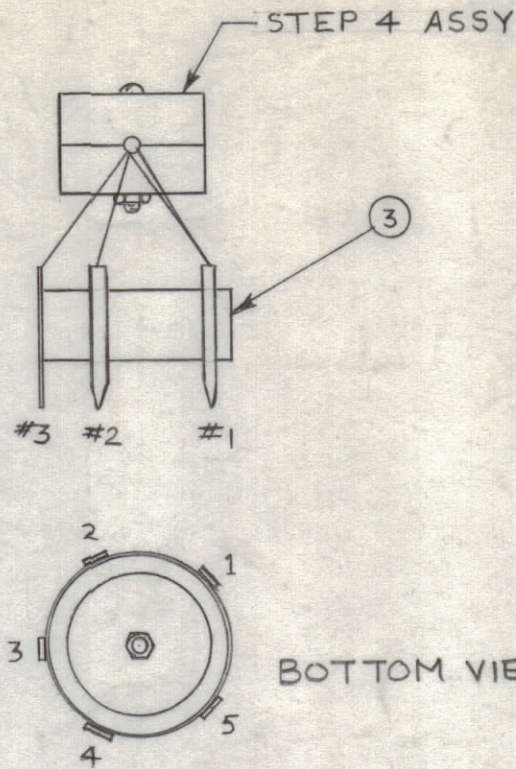
1. WIND 500 TURNS OF MAGNET, WIRE ITEM ⑤ IN SAME DIRECTION AS 125 TURN WINDING.
2. STAKE WITH DUCO CEMENT ITEM ⑦.
3. BAKE FOR 20 MINUTES AT 150°F.
4. COAT THOROUGHLY WITH Q DOPE ITEM ⑥ IMMEDIATELY AFTER BAKING PROCESS.

STEP 4:



1. ASSEMBLE AS SHOWN.
2. CAUTION: CARE SHOULD BE TAKEN IN TIGHTENING ITEM ⑨ SO AS NOT TO CRACK ITEM ②. HAND TIGHT WILL BE THE MAXIMUM ALLOWENCE.

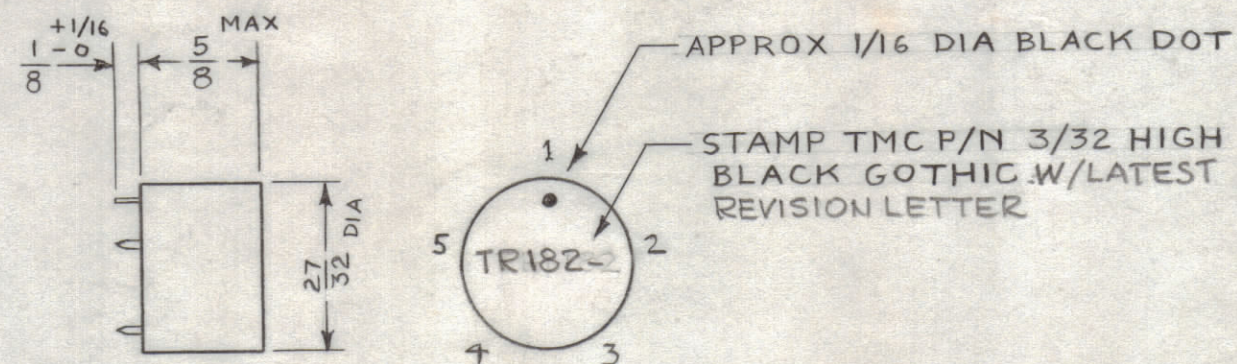
STEP 5:



WIRE TERMINATION:

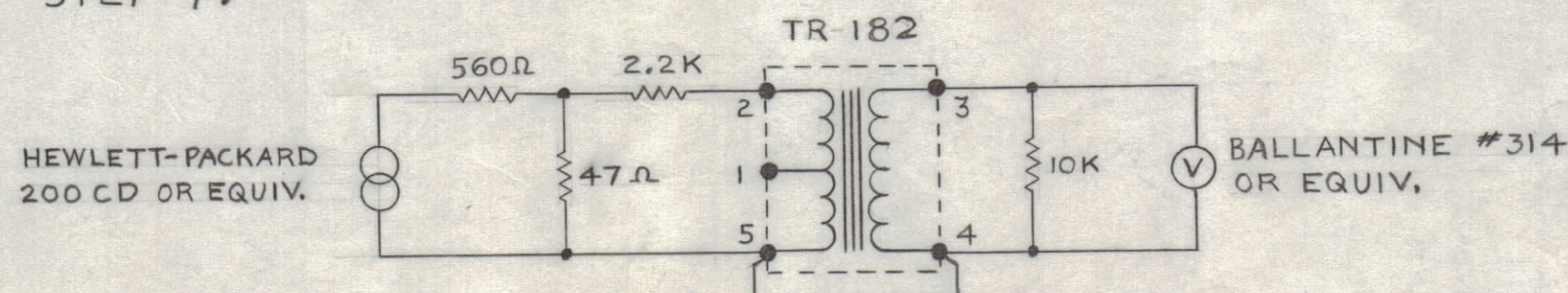
1. TWISTED LEADS GO TO PIN 1. GO TO PINS. THE NUT MUST BE FLUSH WITH BOTTOM OF FORM.
2. REMAINING-RED TO PIN 2 GREEN TO PIN 5
3. NATURAL-2" LG. TO PIN 3 3" LG. TO PIN 4
4. WIRE IS QUICK SOLDER & DOES NOT HAVE TO BE TINNED.

STEP 6:



1. ENCAPSULATE STEP 5 ASSY. WITH COMPOUND, POTTING, ITEM ⑧ TO ABOVE DIMENSIONS.

STEP 7:



WINDING	R	FREQ.
500 T	40Ω	3 db
125 T	10Ω	5KC TO 100KC

1. CHECK FOR CONTINUITY.
2. CHECK FREQUENCY RESPONSE.

NOTES

1	LFS-1	
12	VLR-1	
QTY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	
NONE	A	

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REVISIONS						
ZONE	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
#	0	ORIGINAL RELEASE	7-27-64	#	G.D.L.	
#	A	IT. 4 WAS WI 148-40-52	2-23-65	13581	g-l	

A-3188 A

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
-	11	BS 100	SOLDER, SOFT	
1	10	NTH0256BN6	NUT	
1	9	SCBP0256BN6	SCREW, MACHINE	
-	8	GL 128-6	COMPOUND, POTTING (BLUE)	
-	7	GL 103	DUCO, CEMENT	
-	6	GL 130	CEMENT, Q DOPE	
-	5	WI 141 -40-9	WIRE, MAGNET (NATURAL)	
-	4	WI 148 -40-25	WIRE, MAGNET (GRN/RED)	
1	3	TM 124-2	TERMINAL, COLLAR	
2	2	CI 119-TI-D	CORE, CUP	
1	1	CF 135-7	BOBBIN, NYLON	

M. GELLMAN				LIST OF MATERIAL			
MATERIAL				THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
FINISH				TITLE TR-182 ASSEMBLY			
DRAWN		DATE		FINAL APPROVAL		DATE	
CHECKED		DATE		DATE		DATE	
ELECT. DES.		DATE		DATE		DATE	
MECH. DES.		DATE		DATE		DATE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES				A-3188			
DECIMALS		FRACTIONS		TOLERANCES		SHEET	
.X ± .05		± 1/64		± .005		REV. LTR.	
.XX ± .01		ANGLES		± 0° 30'			
.XXX ± .005							