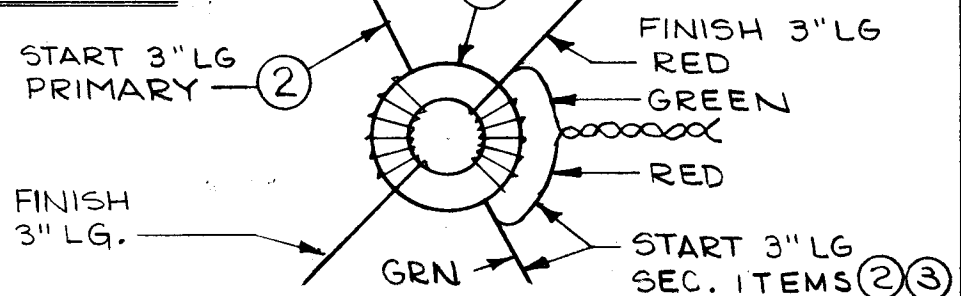
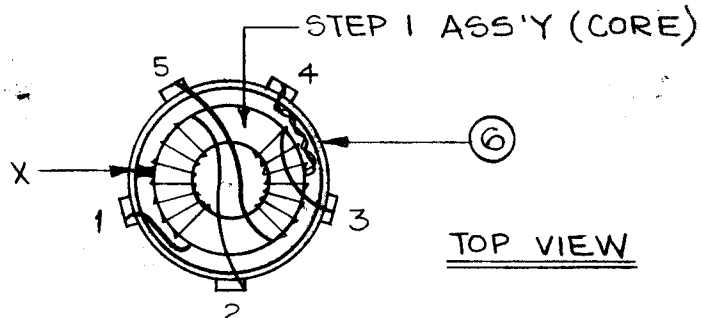


STEP 1:

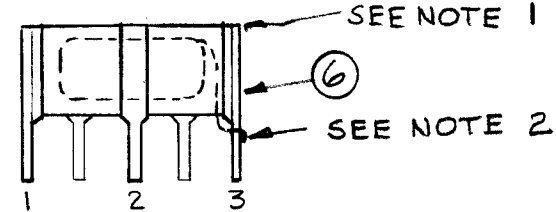


- 1- WIND 13 TURNS OF ITEM ② ON ITEM ① & STAKE WITH ITEM ④.
- 2- WIND 13 TURNS (BIFILAR) OF ITEMS ② & ③ ON ITEM ① (SAME DIRECTION AS PRI.) & STAKE WITH ITEM ④.
- 3- TWIST TOGETHER START OF ITEM ③ & FINISH OF ITEM ② AS SHOWN.
- 4- BAKE FOR 20 MINUTES AT 150°F.
- 5- COAT THOROUGHLY WITH ITEM ⑤ IMMEDIATELY AFTER BAKING PROCESS.

STEP 2:



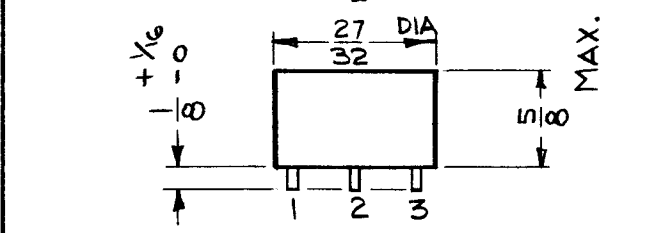
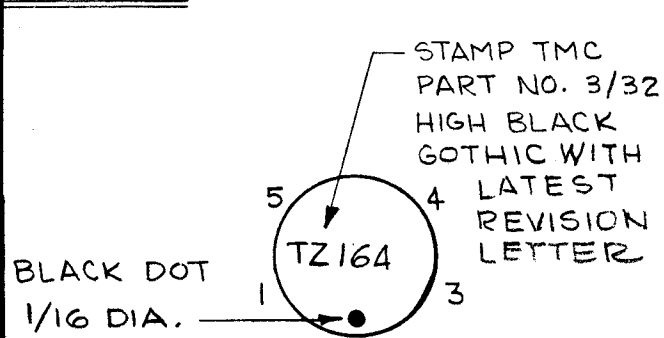
- CONNECTIONS:**
- PRIMARY
START - 2
FINISH - 1
- SECONDARY
START, GRN - 5
FINISH, RED - 3
TWISTED LEAD, GRN/RED - 4



- 1- STAKE CORE IN ITEM ⑥ 3 TO 4 PLACES INDICATED BY X, WITH ITEM ④.
- 2- SOLDER LEADS TO TERMINALS OF ITEM ⑥.
- 3- CHECK L & Q.

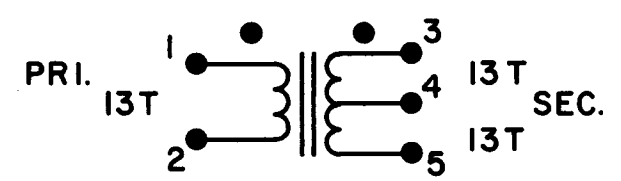
NOTES

STEP 3:



- 1- ENCAPSULATE STEP 2 ASS'Y. WITH COMPOUND, POTTING ITEM ⑦ TO ABOVE DIMENSIONS.
- 2- CHECK L & Q.

WINDING	R	L	Q.
SEC. 13 T	—	62 μ h	> 90 AT
BIFILAR	—	$\pm 15\%$	2.52 MC
PRI. 13 T	—	15.1 μ h $\pm 15\%$	7100 AT 2.52 MC



● INDICATES START OF WINDING

— SCHEMATIC DIAGRAM —

7	LFS-1	
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	
#	A	

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A 3447 A

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X1	ITEMS 1, 2, 3 ADDED	2/25/64	1	JL		
X2	REVISED NOTES 2 & 3; ITEM 3 WAS WI-141-34-52 GRN/RED.	4/19/64	2	JL		
0	ORIGINAL RELEASE	7/27/64	—	G.D.L		
A	ITEM 1 WAS CI 127-4	9.23.64	12441	JTB		

NOTE:

- 1- CUT OFF TOP OF LUGS FLUSH WITH BAKELITE (ITEM 6)
- 2- WRAP LEADS AROUND LUGS CLOSE AS POSSIBLE TO BAKALITE.

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
X	8	BS 100	SOLDER, SOFT	
X	7	GL 128-3	COMPOUND, POTTING (ORANGE)	
1	6	TM 124-2	TERMINAL, COLLAR	
X	5	GL 130	CEMENT, Q DOPE	
X	4	GL 103	DUCO, CEMENT	
X	3	WI 141-34-2	WIRE, MAGNET (RED)	
X	2	WI 141-34-5	WIRE, MAGNET (GREEN)	
1	1	CI 127-5	CORE	

M. GELLMAN **LIST OF MATERIAL**

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TZ 164 ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS: .X \pm .05, .XX \pm .01, .XXX \pm .005
FRACTIONS: $\pm 1/64$, ANGLES: $\pm 0^\circ 30'$
TOLERANCES

DRAWN: J. J. P.
CHECKED: J. J. P.
ELECT. DES: J. J. P.
MECH. DES: J. J. P.

DATE: 9-5-63
DATE: 7-27-64
DATE: 7-27-64

FINAL APPROVAL: J. J. P.
DATE: 7-27-64

SHEET: A 3447
REV. LTR.: A