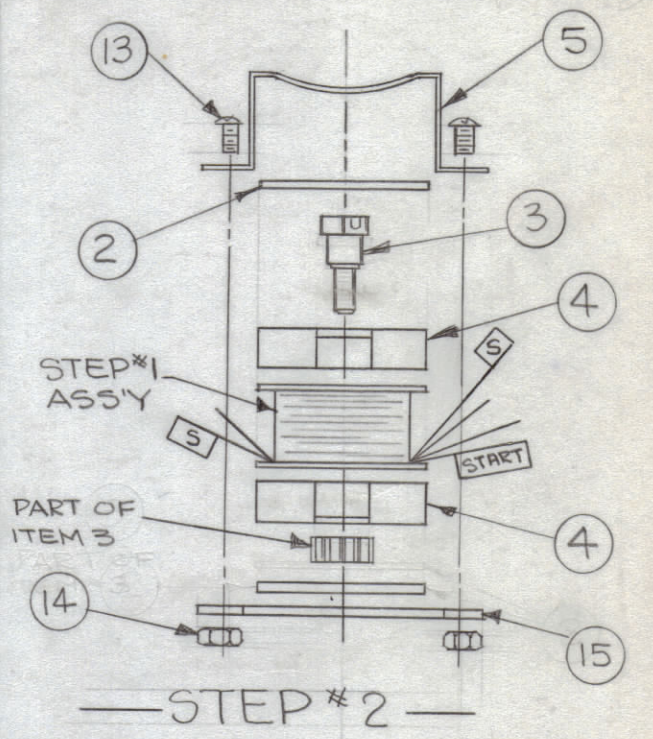
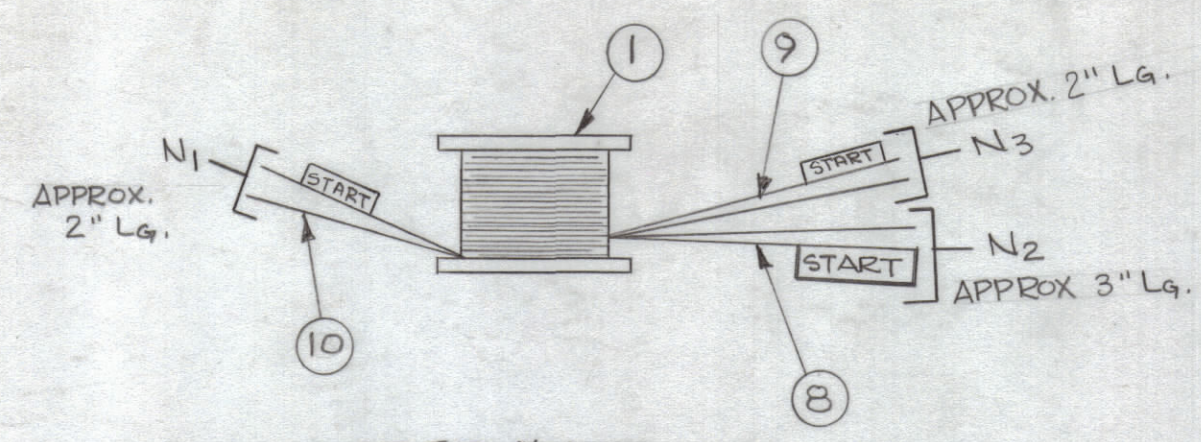


TMC PART NO.	INDUCTANCE ±2% MH.	NUMBER OF TURNS			CENTER FREQ.(KC)	OPERATION FREQ. RANGE (KC)
		N ₁	N ₂	N ₃		
A-3270-11	3.20	4	73	20	11	10-12
A-3270-13	2.85	4	69	19	13	12-14
A-3270-16	2.25	2	61	13	16	14-18
A-3270-21	1.73	2	56	11	21	18-24
A-3270-27	1.33	2	48	10	27	24-30
A-3270-60	0.5	1	29	3	60	55-65

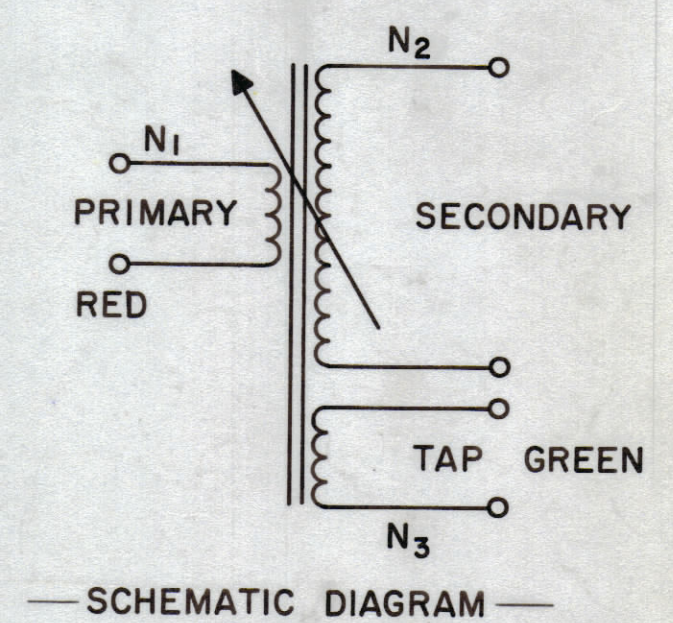
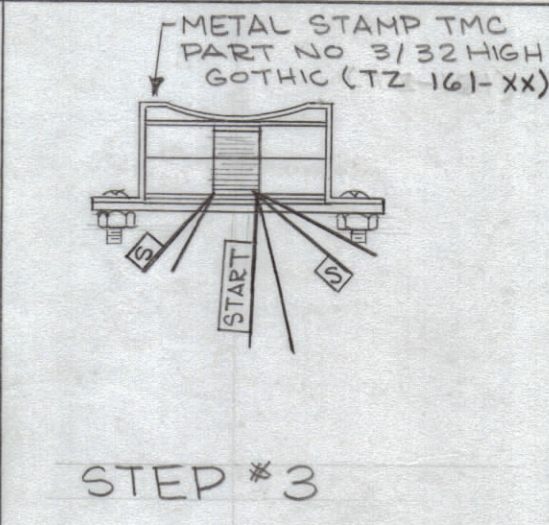
REVISIONS						
ZONE	SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD APPD
#	B	ON CHART (-21), N2 COL. WAS 54; INDUCTANCE COL. WAS 1.68.	12-15-64	13130	97	@



NOTE:
WINDINGS MUST TERMINATE AS SHOWN AND A "START TAG" IS ON ITEM *8 (N₂). WINDING MUST BE PUT ON IN ONE DIRECTION.

— WINDING PROCEDURE —

- 1- DIP ITEM *8 WITH ACETONE (APPROX. 3" LONG) PLACE MASKING TAPE ON BEGINNING OF WIRE AND MARK START AS SHOWN IN STEP *1.
- 2- WIND N₂ WINDING WITH ITEM *8 ONTO ITEM *1, AS IN STEP *1.
- 3- PLACE ITEM *6 ON FINISH OF WINDING, LET DRY FOR ONE MINUTE AND ASSEMBLE AS SHOWN IN STEP *2. DO NOT USE ITEM *3 FOR THIS MEASUREMENT. DIP END OF LEAD WITH ACETONE
- 4- TIN ENDS OF LEADS. MEASURE THE INDUCTANCE AND "Q" WITH THE GENERAL RADIO BRIDGE.
- 5- THE INDUCTANCE MUST FALL WITHIN ±2% OF THE INDUCTANCE INDICATED. ADJUSTMENT OF ±1 TURN SHOULD BE APPROPRIATE. "Q" SHOULD APPROXIMATELY EQUAL 20 (USE GENERAL RADIO BRIDGE).
- 6- UNASSEMBLE STEP *2 AS SHOWN.
- 7- WIND ITEM *10 (N₁) ON ITEM *1 AND SECURE WITH ACETONE LET DRY FOR ONE MINUTE. MARK START WITH MASKING TAPE
- 8- WIND ITEM *9 (N₃) ON ITEM *1 AND SECURE WITH ACETONE LET DRY FOR ONE MINUTE. MARK START WITH MASKING TAPE
- 9- BAKE ITEM *1 AT 200°F. FOR 20 MINUTES.
- 10- APPLY ITEM *6 TO FINISHED TRANSFORMER.
- 11- TIN ENDS OF LEADS.
- 12- ASSEMBLE AS SHOWN IN STEP *2. PLACE TRANSFORMER ON GENERAL RADIO BRIDGE AND CHECK "Q" AND INDUCTANCE, WITHOUT TUNING SLUG (ITEM *3).
- 13- ADD TUNING SLUG (ITEM *3) TO FINISHED TRANSFORMER.
- 14- CHECK CONTINUITY OF WINDINGS AND FOR SHORTS BETWEEN WINDINGS.
- 15- ITEMS 13, 14 AND 15 MUST BE REMOVED BEFORE BEING MOUNTED TO THE PRINTED CIRCUIT BOARD.



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
1	15	MS-3488	RETAINER, COIL	
2	14	NTH0256BNG	NUT, HEX	
2	13	SCBP0256BNG	SCREW, MACHINE	
X	12	BS 100	SOLDER, SOFT	
#	11	DELETED	//	
X	10	WI-141-34-2	HUDSOL WIRE, MAGNETIC #34	RED
X	9	WI-141-34-5	HUDSOL WIRE, MAGNETIC #34	GREEN
X	8	WI-104-4044-5CP-QS	WIRE, LITZ	
#	7	DELETED	//	
X	6	GL130	ADHESIVE, Q-DOPE	
1	5	CU-148-1	RETAINER, CUP CORE	
2	4	CI-132	CORE, CUP	
1	3	CI-133	CORE, TUNING	
2	2	WA-140-1	WASHER, NON METALIC	
1	1	CF-135-4	BOBBIN, NYLON	

M. GELLMAN LIST OF MATERIAL

MATERIAL: //

FINISH: //

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK

TITLE: TZ-161 ASSEMBLY

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

DECIMALS: .X ± .05, .XX ± .01, .XXX ± .005

FRACTIONS: ± 1/64 ANGLES: ± 0° 30'

TOLERANCES

DRAWN: G. Jensen, DATE: 8-2-63, CHECKED: @, DATE: 5-8-64, ELECT. DES: WLB, MECH. DES: WLB, DATE: 5-7-64

FINAL APPROVAL: RJC

DATE: 5-8-64

DATE: 5-7-64

SHEET: A 3270 B

REV. I.T.R.

1 VLR-1 A-3212

QTY./UNIT: NONE, MODEL USED ON: A, ASS'Y. NO.

SCALE: NONE, CODE: A

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NOTES

A-3270 B