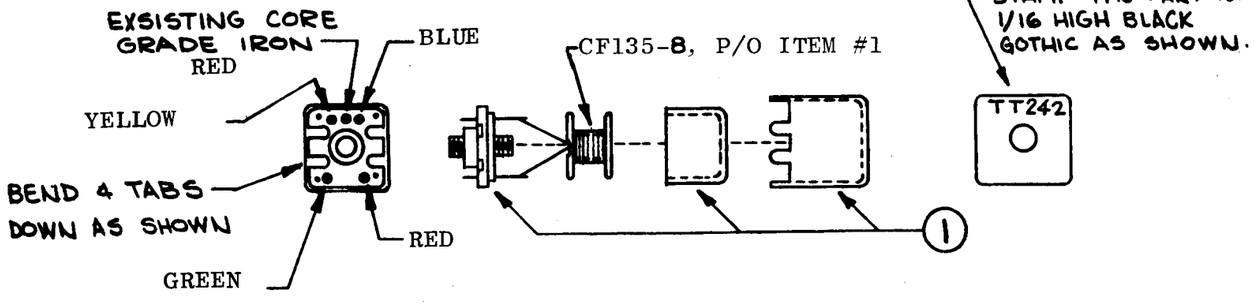
"Q" TEST FREQ.	"Q" MIN.	EXT.CAP. Q METER	NO. CODE	SYMBOL	INDUCTANCE 10KC BRIDGE
9.0MC	110	—	—	—	3.5µh ± .1 µh

WINDING PROCEDURE

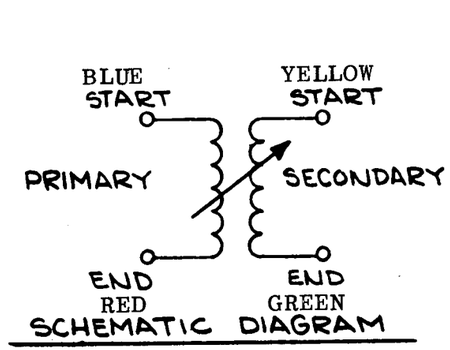
1. PRIMARY WIND 17 TURNS OF ITEM 2 ON ITEM 1 STAKE WITH ITEM 3.
2. SECONDARY- WIND 1 TURNS OF ITEM 6 OVER PRIMARY AND IN THE SAME DIRECTION STAKE WITH ITEM
3. SECONDARY WINDING MUST BREAK OUT FROM OPPOSITE SIDE OF PRIMARY.
4. BAKE COIL FOR 15 MIN. AT 150°F, REMOVE FROM OVEN AND COAT COIL WITH ITEM 4.
5. COLOR CODE TERMINALS ON BASE AS SHOWN.
6. STRIP AND TIN LEADS TO WITHIN 1/4" OF COIL.
7. PLACE ITEM 1 OVER SLUG ON BASE, TAKING CARE TO POSITION NOTCHES ON RAISED PART OF BASE.
8. SOLDER ALL LEADS TO PROPER COLOR-CODED TERMINALS ON BASE.
9. ASSEMBLE AS PER ASSEMBLY DRAWING, PLACE IN CASE; BEND THE 4 TABS DOWN IN THE NOTCHES.
10. DO NOT CUT OFF THE TWO LONG TABS.
11. DELETED.
12. STAMP TMC PART NO. AS SHOWN.
13. TEST INDUCTANCE, AND Q AS SHOWN ABOVE. SET INDUCTANCE FIRST.
14. BAKE COMPLETED ASSEMBLY FOR ONE HOUR AT 212°F.
15. REMOVE COMPLETED ASSEMBLY FROM OVEN AND ALLOW TO COOL TO ROOM TEMPERATURE.
16. REPEAT STEP NO. 13.
17. TEST COIL WITH A 1/4% 10KC UNIVERSAL BRIDGE.(INDUCTANCE ONLY)
18. TUNE THE CORE INTO THE COIL TO REACH THE INDUCTANCE AS SHOWN ABOVE.
19. TEST COIL WITH "Q" METER 260A(FOR "Q" ONLY).
20. SET THE TEST FREQUENCY AS SHOWN ABOVE. AND SET THE (MULTIPLY "Q" BY) TO 1
21. TUNE THE INDUCTANCE DIAL. TO REACH THE MAX. READING ON THE "Q" METER.



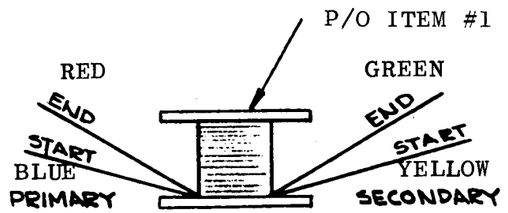
NOTES

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	3-16-65	X	HCA	—	
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-7-65	Ø	DL		

A3950



SCHEMATIC DIAGRAM



WIRING DETAIL

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
X	6	WI-141-32-5	WIRE, ELECTRICAL	
X	5	BS-100	SOLDER, SOFT	
X	4	GL-130	ADHESIVE, Q-DOPE	
X	3	GL-103	ADHESIVE, N-CEL	
X	2	WI-104-3/43	WIRE, ELECTRICAL, LITZ SN,	
—	—	—	—	
1	1	CI-136-2	CORE, ADJUSTABLE TUNING	

LIST OF MATERIAL

4	LFSB-1	A3788
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.

SCALE — | CODE A

MATERIAL —

FINISH —

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

TOLERANCES
DECIMALS .X ± .05, .XX ± .01, .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TITLE
TT242
TRANSFORMER, RF, ADJUSTABLE

DRAWN H. AUSTIN	DATE 3-16-65	FINAL APPROVAL	DATE
CHECKED G. Lucas	DATE 3-29-65		
ELECT. DES. OKB	DATE	A3950	Ø
MECH. DES.	DATE	SHEET	REV. LTR.

TMC FORM 109

REPROVEL NO. 440H 16107