

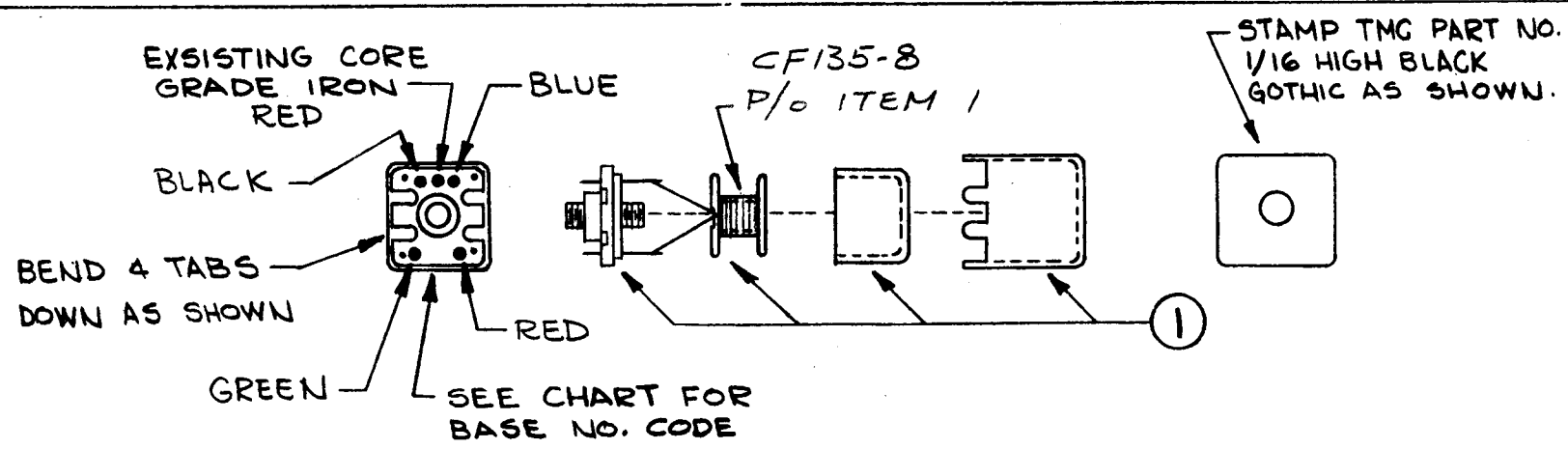
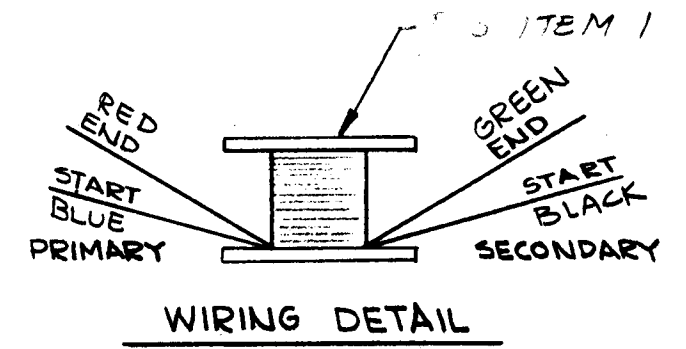
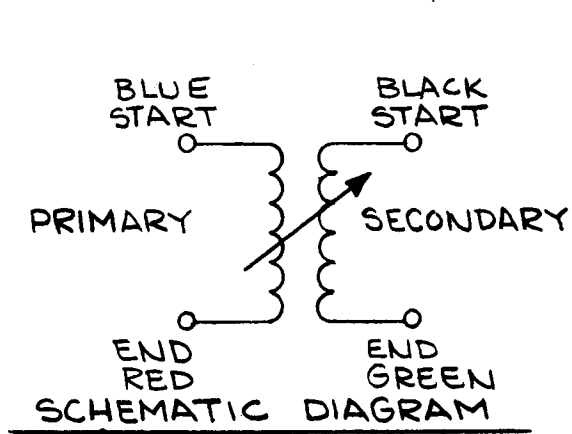
"Q" TEST FREQ.	"Q" MIN.	EXT. CAP. Q METER	NO. CODE	SYMBOL	INDUCTANCE 10KC BRIDGE
9MC	70	—	—	—	4.5uh ±5%

A  
A3963

REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	10-20-64	X			
XI	ITEM 2, CF135-8 DELETED	1-22-66	XI			
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-14-66	Ø			
A	"Q" MIN WAS 80	3-9-67	17921	RME		

WINDING PROCEDURE

1. PRIMARY WIND 20 TURNS OF ITEM 3 ON ITEM 1, STAKE WITH ITEM 4.
2. SECONDARY- WIND 5 TURNS OF ITEM #7 OVER PRIMARY AND IN THE SAME DIRECTION STAKE WITH ITEM 4.
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 #5.
5. COLOR CODE TERMINALS ON BASE AS SHOWN.
6. STRIP AND TIN LEADS TO WITHIN 1/4" OF COIL.
7. PLACE ITEM #2 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. CODE THE BASE, AS PER CHART.
12. STAMP TMC PART NO. AS SHOWN ABOVE.
13. TEST INDUCTANCE, AND Q AS SHOWN ABOVE.
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)
18. TUNE THE CORE INTO THE COIL TO REACH THE INDUCTANCE AS SHOWN ABOVE.
19. TEST COIL WITH "Q" METER TYPE 260A(FOR "Q" ONLY).
20. SET THE TEST FREQUENCY AS SHOWN ABOVE, AND SET THE (MULTIPLY "Q" X) TO 1.
21. TUNE THE INDUCTANCE DIAL, TO REACH THE MAX. READING ON THE "Q" METER.



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
X	7	WI141-32-5	WIRE, ELECTRICAL	
X	6	BS-100	SOLDER, SOFT	
X	5	GL-130	ADHESIVE, Q-DOPE	
X	4	GL-103	ADHESIVE, N-CEL	
X	3	WI141-32-2	WIRE, ELECTRICAL, LITE	
	2		DELETED	
1	1	CI-136-2	CORE, ADJUSTABLE TUNING	

M. GELLMAN LIST OF MATERIAL

THE TECHNICAL MATERIEL CORP.  
MAMARONECK, NEW YORK

TITLE: TT247  
TRANSFORMER, R.F., ADJUSTABLE

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

DRAWN	DATE	FINAL APPROVAL	DATE
G. Seng	10-20-64	M. Gellman	4/13/66
CHECKED	DATE		
J. De	4/12/66		
ELECT. DES.	DATE		
Mech. Des.	DATE		

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

TOLERANCES

SHEET: A3963 REV. LTR. A

NOTES

QTY./UNIT	MODEL USED ON	ASSY. NO.
6	PFCB-1	
SCALE	CODE	
1:1	A	
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