

"Q" TEST FREQ.	"Q" MIN.	EXT. CAP. Q METER	NO. CODE	SYMBOL	INDUCTANCE 10KC BRIDGE
5 MC	100	M		A	5.5 μ h \pm 5%

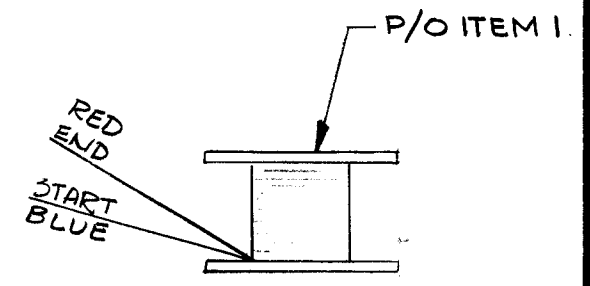
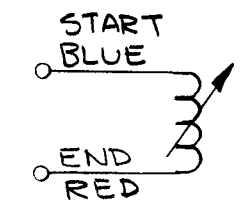
A3962 X₂

REVISIONS					
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD
X	EXPER. RELEASE	10-21-64	X	<i>[Signature]</i>	
X1	ITEM 2, CF135-8 DELETED.	10-27-64	X1	<i>[Signature]</i>	16
X2	ITEM 3 REVISED	8/27/65	-AA	JC	

PROTO-TYPE DRAWING
 NOT FOR PRODUCTION
 Engineering Approval Required For Release
 App. By:

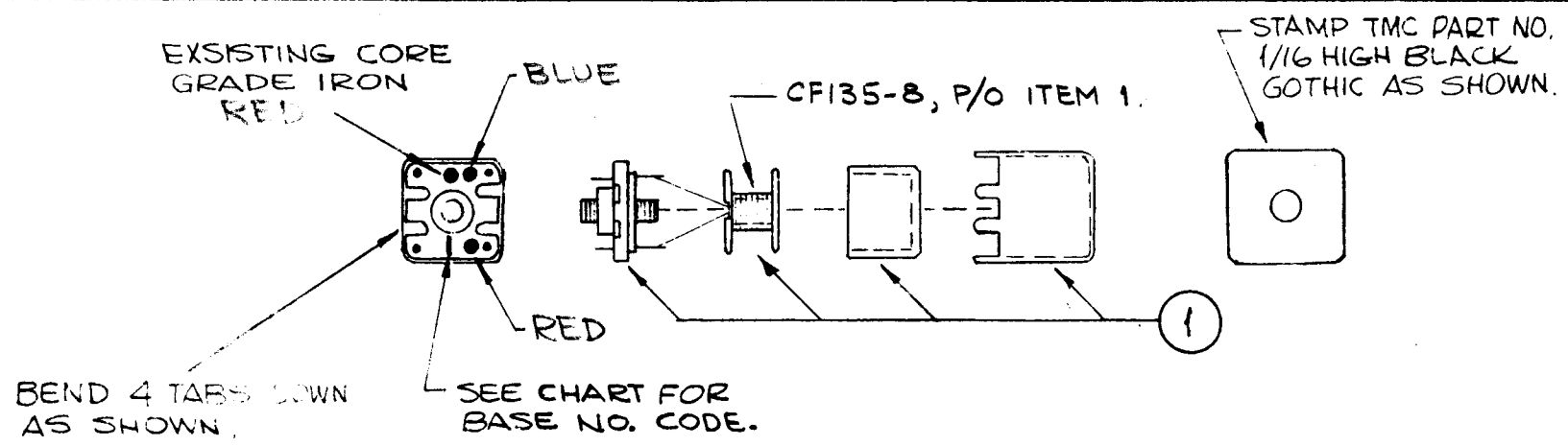
WINDING PROCEDURE

1. WIND 24 TURNS OF ITEM #3 ON ITEM #1, STAKE WITH ITEM #4,
2. BAKE COIL FOR 15 MIN. AT 150°F, REMOVE FROM OVEN AND COAT COIL WITH ITEM #5.
3. COLOR CODE TERMINALS ON BASE AS SHOWN.
4. STRIP AND TIN LEADS TO WITHIN 1/4" OF COIL.
5. PLACE ITEM #2 OVER SLUG ON BASE, TAKING CARE TO POSITION NOTCHES ON RAISED PART OF BASE.
6. SOLDER ALL LEADS TO PROPER COLOR-CODED TERMINALS ON BASE.
7. ASSEMBLE AS PER ASSEMBLY DRAWING, PLACE IN CASE, BEND THE 4 TABS DOWN IN THE NOTCHES.
8. DO NOT CUT OFF THE TWO LONG TABS.
9. CODE THE BASE, AS PER CHART.
10. STAMP TMC PART NO. AS SHOWN BELOW.
11. TEST INDUCTANCE, AND Q AS SHOWN ABOVE.
12. BAKE COMPLETED ASSEMBLY FOR ONE HOUR AT 212°F.
13. REMOVE COMPLETED ASSEMBLY FROM OVEN AND ALLOW TO COOL TO ROOM TEMPERATURE.
14. REPEAT STEP NO. 11.
15. TEST COIL WITH A 1/4% 10KC UNIVERSAL BRIDGE. (INDUCTANCE ONLY)
16. TUNE THE CORE INTO THE COIL TO REACH THE INDUCTANCE AS SHOWN ABOVE.
17. TEST COIL WITH "Q" METER TYPE 260A (FOR "Q" ONLY).
18. SET THE TEST FREQUENCY AS SHOWN ABOVE, AND SET THE (MULTIPLY "Q" X) TO 1.
19. TUNE THE INDUCTANCE DIAL, TO REACH THE MAX READING ON THE "Q" METER.



SCHEMATIC DIAGRAM

WIRING DETAIL



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
X	6	BS-100	SOLDER, SOFT	
X	5	GL-130	ADHESIVE, Q-DOPE	
X	4	GL-103	ADHESIVE, N-CEL	
X	3	WI104-5/41 SNQS	WIRE, ELECTRICAL, LITE	
X	2	---	---	---
1	1	CI-136-2	CORE, ADJUSTABLE TUNING	

M. GELLMAN		LIST OF MATERIAL	
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
FINISH		TITLE AC-207 COIL, RF, ADJUSTABLE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN <i>[Signature]</i> DATE 10-21-64 CHECKED DATE	FINAL APPROVAL DATE
DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005	TOLERANCES FRACTIONS \pm 1/64 ANGLES \pm 0° 30'	ELECT. DES. DATE MECH. DES. DATE	A3962 X ₂ SHEET REV. LTR.

NOTES

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