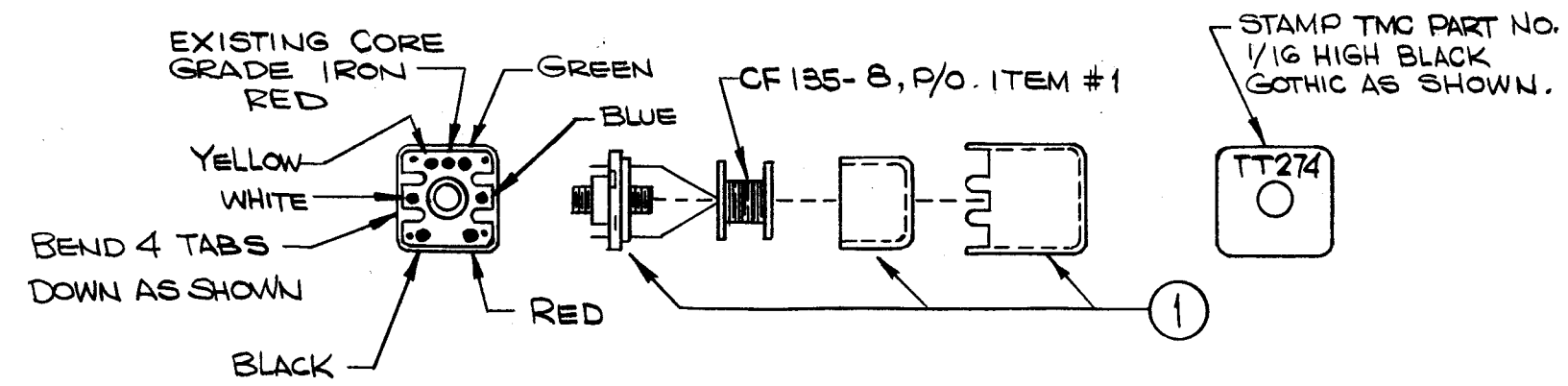
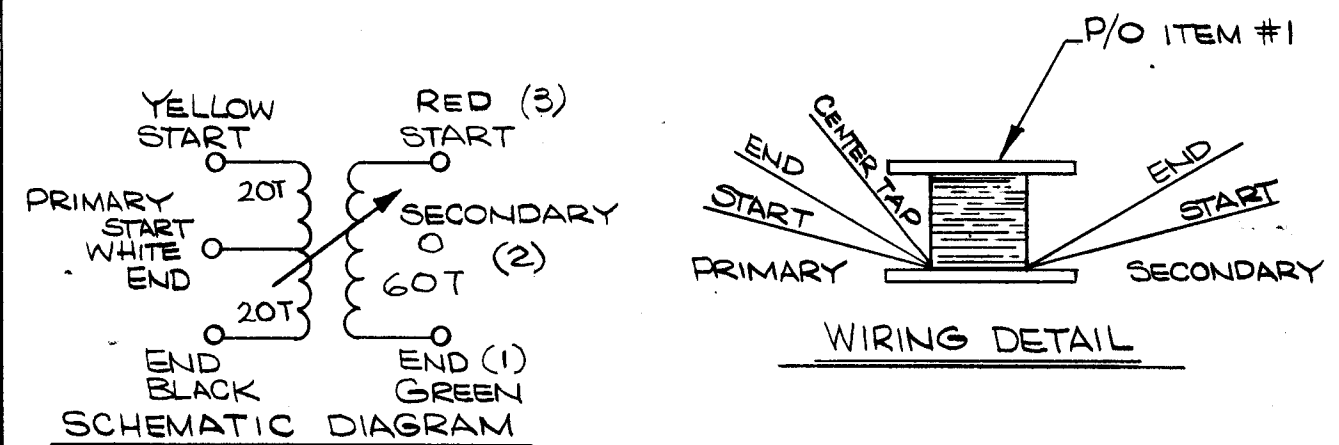


"Q" TEST FREQ	"Q" MIN METER	EXT CAP Q	SYMBOL 300	INDUCTANCE
300 Kc	70	5200 pf	T1, T9	60 μ h @ 2.5 mc \pm 10%

WINDING PROCEDURE

1. WIND 60 TURNS OF ITEM 3 ON ITEM 1, STAKE WITH ITEM 4. (SECONDARY)
2. WIND 20 TURNS BIFILAR OF ITEM 2 OVER FIRST WINDING AND IN THE SAME DIRECTION, STAKE WITH ITEM 4. (PRIMARY)
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 BOBBIN 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. STAMP TMC PART NO. AS SHOWN ABOVE.
12. REMOVE EXISTING SLUG FROM CI136-2 AND REPLACE WITH CI121-2.
13. TEST INDUCTANCE, AND Q OF SECONDARY (THE 60 TURN WINDING) 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. 12.
17. TUNE THE CORE INTO THE COIL TO REACH THE INDUCTANCE AS SHOWN ABOVE.
18. TEST COIL WITH "Q" METER 260A (FOR "Q" ONLY).
19. SET THE TEST FREQUENCY AS SHOWN ABOVE AND SET THE (MULTIPLY "Q") TO X1
20. TUNE THE INDUCTANCE DIAL TO REACH THE MAX. READING ON THE "Q" METER.

REVISIONS					
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD APPD
X ₁	IT. 7 ADDED; NOTE & PICTORIAL CLARIFIED	9-16-65	H	C	
Ø	ORIGINAL RELEASE FOR PRODUCTION	10-5-65	H	E	
A	"Q MIN" WAS 105; PRI WAS 17T & 17T; SEC WAS 5T	12/20/66	17529	WHW	JCB
B	UPDATED & REV.	10.21.68	19081	HZ.	HQ KH



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
1	7	CI 121-2	SLUG, FERRITE	
X	6	BS100	SOLDER, SOFT	
X	5	GL130	ADHESIVE, Q-DOPE	
X	4	GL103	ADHESIVE, N-CEL	
X	3	WI104-2041-SNQS	WIRE, ELECTRICAL, LITZ	
X	2	WI148-34-52	CABLE, SPECIAL PURPOSE, MAGNET, 2 COND.	
1	1	CI136-3	CORE, ADJUSTABLE TUNING	

POSE		LIST OF MATERIAL			
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
FINISH		TITLE TT274 TRANSFORMER, RF, TUNED			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		DRAWN H. AUSTIN	DATE 8-20-65	FINAL APPROVAL <i>[Signature]</i>	DATE 10/5/65
DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005		CHECKED <i>[Signature]</i>	DATE 9/16/65	DATE	
FRACTIONS \pm 1/64 ANGLES \pm 0° 30'		ELECT. DES. <i>[Signature]</i>	DATE	DATE	
TOLERANCES		MECH. DES.	DATE	DATE	
		SHEET		SHEET	

NOTES

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