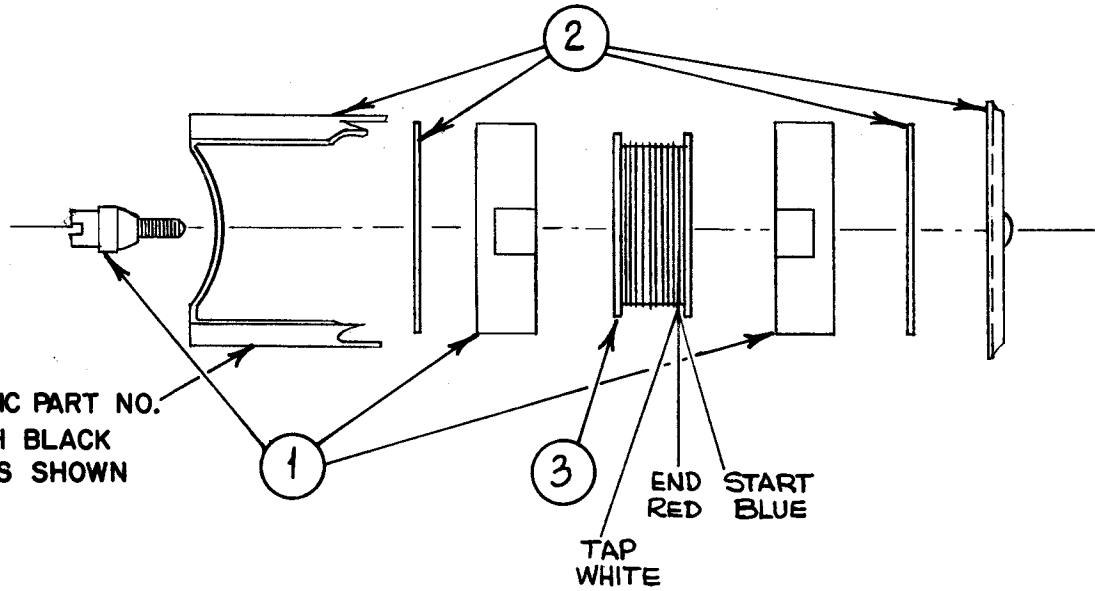


| "Q" TEST FREQ. | "Q" MIN. | EXT. CAP. "Q" METER | SYMBOL | INDUCTANCE 10 KC BRIDGE     |
|----------------|----------|---------------------|--------|-----------------------------|
| 100 KCS        | 155      | 9700 Pf             | L404   | 253 $\mu$ h $\pm$ 2 $\mu$ h |

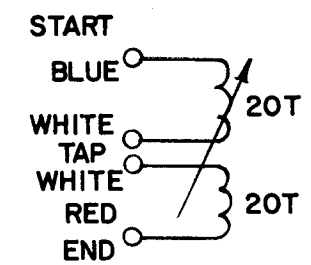
A3888

| REVISIONS |                                 |         |            |       |      |      |
|-----------|---------------------------------|---------|------------|-------|------|------|
| SYM       | DESCRIPTION                     | DATE    | E.M.N. NO. | DRAFT | CHKD | APPD |
| Ø         | ORIGINAL RELEASE FOR PRODUCTION | 5/21/65 | -          | HCA   |      |      |

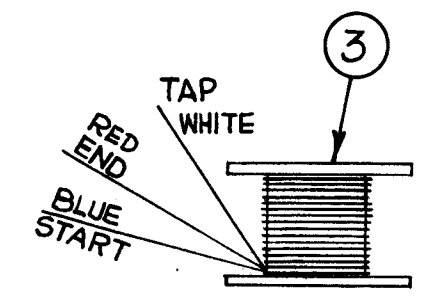


STAMP TMC PART NO.  
3/32 HIGH BLACK  
GOTHIC AS SHOWN

- WIND 20 TURNS OF ITEM 6 BIFILAR ON ITEM 3. STAKE WITH ITEM 5.
- WINDINGS MUST ALL BREAK OUT IN SAME DIRECTION.
- KEEP ALL LEADS 1-1/2 " LONG.
- STRIP AND TIN ALL LEADS TO WITHIN 3/4" OF COIL.
- COLOR ALL LEADS AS SHOWN IN WIRING DETAIL.
- TWIST TOGETHER THE TWO (2) WHITE LEADS.
- BAKE COIL FOR 15 MINUTES AT 150°F REMOVE FROM OVEN AND COAT COIL WITH ITEM 4.
- PLACE ITEM 3 INSIDE ITEM 1 AND ASSEMBLE AS PER ASSEMBLY DRAWING.
- BEND THE FOUR (4) SMALL TABS DOWN.
- STAMP TMC PART NO. AS SHOWN.
- TEST INDUCTANCE AND "Q" AS SHOWN ABOVE, SET INDUCTANCE FIRST.
- BAKE COMPLETED ASSEMBLY FOR ONE HOUR AT 212°F.
- REMOVE COMPLETED ASSEMBLY FROM OVEN AND ALLOW TO COOL TO ROOM TEMPERATURE.
- REPEAT STEP NO. 11.
- TEST COIL WITH 1/4% 10KC UNIVERSAL BRIDGE. (THIS IS USED AS A SPOT CHECK ONLY).
- TEST COIL WITH "Q" METER, TYPE 260A.
- SET TEST FREQUENCY AS SHOWN ABOVE. SET INDUCTANCE DIAL TO VALUE SHOWN ABOVE.
- SET THE "MULTIPLY "Q" BY" TO X 1.
- TUNE CORE INTO THE COIL TO REACH MAXIMUM READING ON "Q" METER.
- USE FIXED MICA DIELECTRIC CAPACITOR  $\pm$  1% ONLY.



SCHEMATIC DIAGRAM



WIRING DETAIL

| REQ'D. | ITEM | PART NUMBER     | DESCRIPTION                    | SYMBOL |
|--------|------|-----------------|--------------------------------|--------|
| X      | 7    | BS100           | SOLDER, TIN ALLOY              |        |
| X      | 6    | WI141-7/41 SNQS | WIRE, ELECTRICAL, MAGNET, LITZ |        |
| X      | 5    | GL103           | ADHESIVE, N-CEL                |        |
| X      | 4    | GL130           | ADHESIVE, Q# DOPE              |        |
| 1      | 3    | CF135-9         | FORM, COIL, 2 FLANGE           |        |
| 1      | 2    | CU158           | RETAINER                       |        |
| 1      | 1    | CI137-2         | CORE, ADJUSTABLE, TUNING       |        |

POSE LIST OF MATERIAL

|   |  |  |  |                             |                 |
|---|--|--|--|-----------------------------|-----------------|
| MATERIAL  |  | THE TECHNICAL MATERIEL CORP.<br>MAMARONECK, NEW YORK       |  |                             |                 |
| FINISH  |  | TITLE<br>AC181<br>TRANSFORMER, RF, ADJUSTABLE              |  |                             |                 |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES AND INCLUDE<br>CHEMICALLY APPLIED OR PLATED FINISHES |  | DRAWN<br>H. AUSTIN<br>CHECKED<br>ELECT. DES.<br>MECH. DES. | DATE<br>5/19/65<br>DATE<br>5/21/65<br>DATE | FINAL APPROVAL<br>          | DATE<br>5/25/65 |
| DECIMALS<br>.X $\pm$ .05<br>.XX $\pm$ .01<br>.XXX $\pm$ .005  |  | FRACTIONS<br>$\pm$ 1/64<br>ANGLES<br>$\pm$ 0° 30'          |  | SHEET<br>A3888<br>REV. LTR. |                 |

NOTES

|            |               |            |
|------------|---------------|------------|
| 1          | VLRB-1        | A-3653     |
| Q'TY./UNIT | MODEL USED ON | ASS'Y. NO. |
| SCALE      | CODE          |            |

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