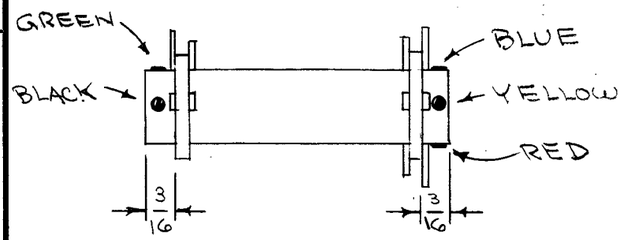
J

A-966




## COIL FORM ASSEMBLY

1- CEMENT TERMINAL RINGS TO COIL FORM WITH ITEM 4 IN POSITION SHOWN ABOVE.
2- COLOR CODE COIL FORM AS ABOVE.

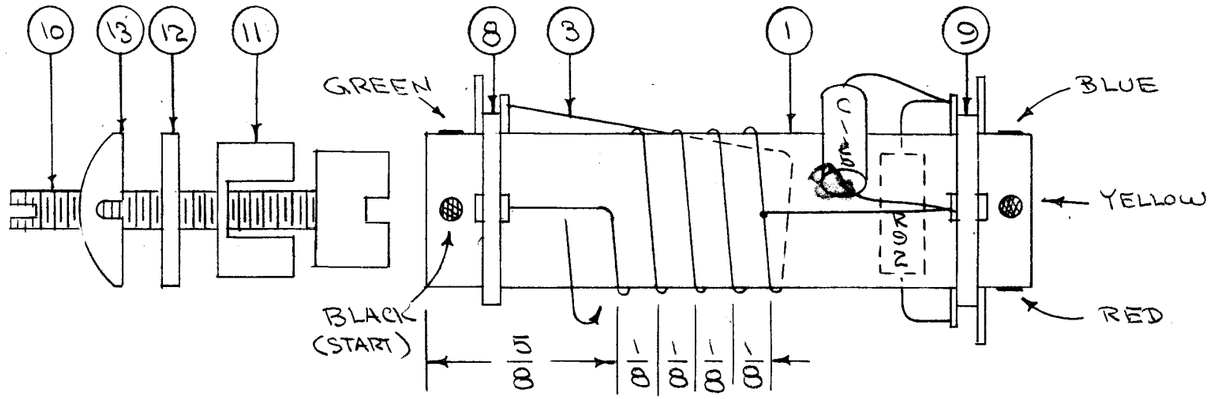
## WINDING DATA

1- STARTING AT BLACK LUG, 4 3/4 TURNS OF ITEM 3 SPACE WOUND AT 1/8" INTERVALS ENDING ON GREEN LUG
2. SOLDER ON TAP AT 4TH TURN TO YELLOW LUG.
3. STAKE LEADS TO COIL FORM WITH ITEM 3, STRIP, TIN & SOLDER CONNECT LEADS AS SHOWN.
4- BAKE 1/2 HOUR AT 215° F.
5- COAT COIL WITH ITEM 5. BAKE FOR 1/2 HOUR AT 215° F.
6- REPEAT STEP 6.
7- SOLDER TEST LEADS TO LUGS (APPROX. 1 1/4" 22 GA) TEST AS PER CHART BELOW. REMOVE TEST LEADS.
8- SOLDER CONNECT CAPACITOR & RESISTOR IN PLACE AS SHOWN.

## TEST DATA w/o CORE

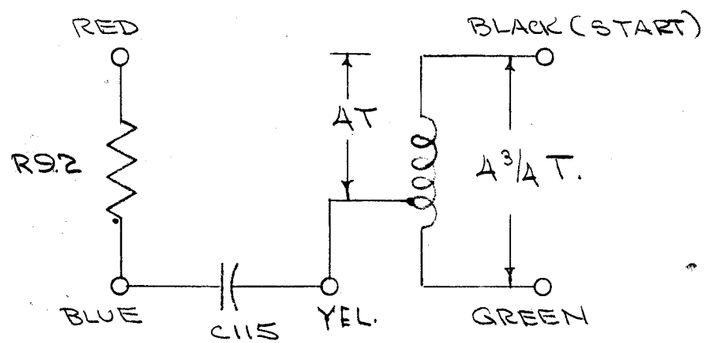
L - .3 μh (.285-.315)
Q - 115 OR GREATER
F - 25 M.C.

USE BOONTON Q METER 160A OR EQUIVALENT.




NOTE - COIL MUST BE FASTENED TO CHASSIS BEFORE ITEMS 10-11-12-13 ARE CEMENTED TO COIL WITH ITEM 14.

FOR IDENTIFICATION, STAMP THE NUMBER L12 ON THE COIL FORM IN ANY CONVENIENT SPOT.




| REQ. | ITEM | PART NO. | DESCRIPTION | SYMBOL |
|---|---|---|---|---|
| X | 14 | GL-111 | CEMENT, "INSA-LUTE" | |
| 1 | 13 | FS-112 | FASTENER | |
| 1 | 12 | WA-125-2 | WASHER, FIBER | |
| 1 | 11 | NT-112 | NUT, SPEED | |
| 1 | 10 | CI-109-12 | CORE | |
| 1 | 9 | TE-146-3 | TERMINAL RING | |
| 1 | 8 | TE-146-2A | " " | |
| 1 | 7 | RC42GF153J | RESISTOR, FIXED | R92 |
| X | 6 | BS-100 | SOLDER, SOFT | |
| X | 5 | GL-102 | Q MAX | |
| X | 4 | GL-103 | CEMENT, DUCO | |
| X | 3 | WI-107-5 | WIRE, MAGNET #24 DSC | |
| 1 | 2 | CC21SL220K | CAPACITOR, FIXED | C115 |
| 1 | 1 | CF-112 | COIL FORM | |

| ISSUE | ITEM | CHANGED FROM | DATE | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|---|---|---|---|---|---|---|---|
| J | 1 | ITEM(10) WAS CI-109-7 | 2-12-63 | 8225 | | | |
| H | 3 | WA-125-2 WAS WA-125 | 5/19/60 | 2271 | CY | JCB | |
| | 2 | NT-112 WAS NT-113 | | | | | |
| | 1 | CHANGED TITLE | | | | | |
| G | 1 | REDRAWN COMPLETE REVISION | 7/31/56 | 7 | CDD | P.L.K. | A.J.J. |

TOLERANCES
DEC. DIM. ±
FRAC. DIM. ±
ANGULAR DIM. ±

SCALE:
MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

| REQ. PER UNIT | MODEL | PROJECT NO. | SYMBOL NO. | DATE |
|---|---|---|---|---|
| 1 | GPR-90-RXD | | | 5-23-60 |
| 1 | GPR-90 | 297 | L12 | 7-31-56 |

USED ON

STOCK SIZE
MATERIAL
TYPE & TEMPER | HEAT TREAT. SPEC.
FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

TRANSFORMER, RF
TUNED, BAND 6

| DRAWN | CHECKED | FINAL APPROVAL |
|---|---|---|
| CDD 7/31/56 | | A.J.J. |
| ELEC. DES. APP. | MECH. DES. APP. | A-966 J |
| P.L.K. | | |