

F
A-2124

TEST DATA w/o CORE

| WINDING | L uh* | Q* | F |
|---------|---------------|---------------|-----------|
| L1 | 115 (106-116) | 95 or greater | 2.52 MC/S |
| L2 | 71 (67-75) | 85 or greater | 2.52 MC/S |

* USE BOONTON Q METER 160 A OR EQUIVALENT.

COIL FORM ASSEMBLY

1. Cement terminal rings to coil form with item 11 in position shown.
2. Color code coil form as shown.

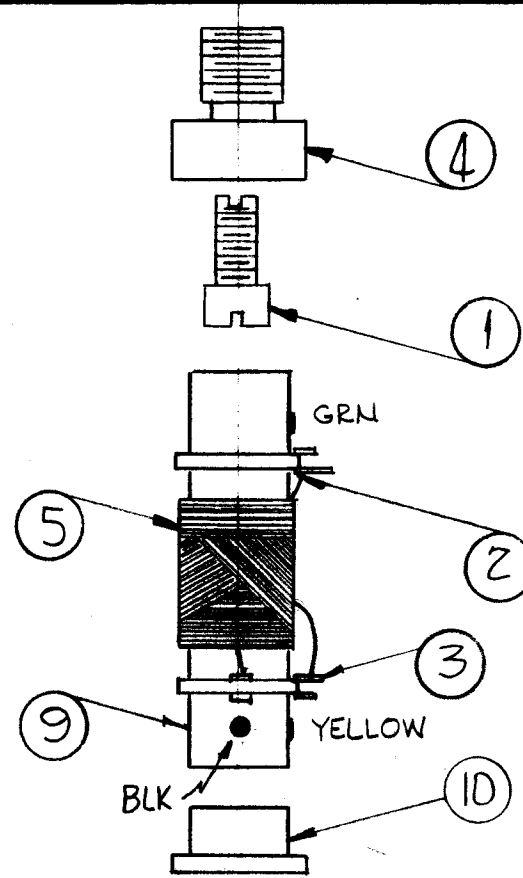
WINDING MACHINE DATA

| | | |
|------------------|-----|------------------|
| Rack gear | 100 | Cam - .125 |
| Rack driver gear | 40 | Cam Gear - 49 |
| | | Driver Gear - 95 |

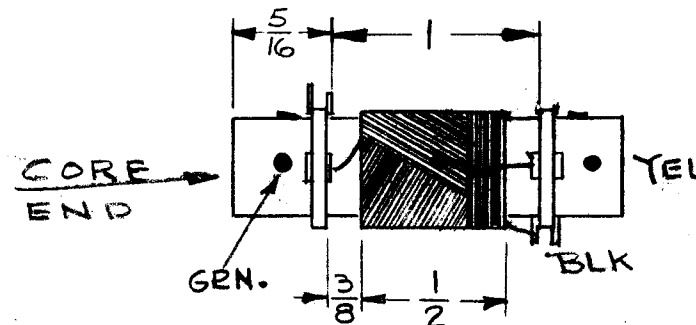
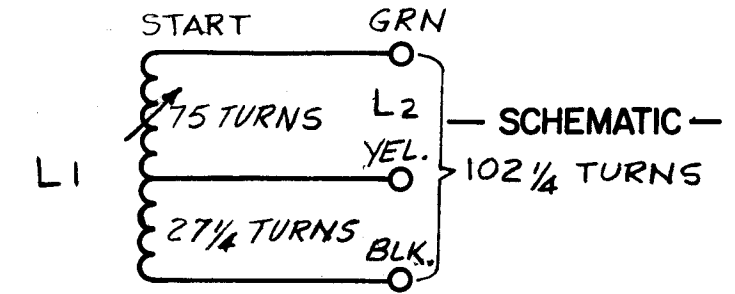
WINDING DATA

1. Starting at green lug wind on 75 turns of item 5.
2. Bring out 1" long twisted tap as shown.
3. Continue winding for 27 1/4 turns making a total of 102 1/4 turns.
4. Stake ends to coil form with item 11
5. Strip & tin ends and tap. Solder & connect to lugs as shown.
6. Bake for 1/2 hour at 215° F.
7. Saturate coil with item 6. Bake for 30 min. at 215° F.
8. Solder 1" of #22 Buss Bar to each lug for test.
9. Make test (SEE CHART). Remove test leads.

10. Assemble items 1, 4, 10, to coil. Cement item 4 to form with item 7. Tack item 10 at one point with item 7.



NOTE: FOR IDENTIFICATION STAMP THE NO TT-141 ON COIL FORM IN ANY CONVENIENT SPOT.



| REQ. | ITEM | PART NO. | GELLMAN DESCRIPTION | SYMBOL |
|------|------|------------------|---------------------|--------|
| X | 11 | GL-103 | CEMENT, DUCCO | |
| 1 | 10 | FS-114-2 | FASTENER, WELL NUT | |
| 1 | 9 | CF-112 | COIL FORM | |
| X | 8 | BS-100 | SOLDER, SOFT | |
| X | 7 | GL-111 | CEMENT, INSA-LUTE | |
| X | 6 | GL-102 | O MAX DOPE | |
| X | 5 | WI-104-341 SC-QS | WIRE, LITZ | |
| 1 | 4 | SM-143-4 | BUSHING COIL MTG. | |
| 1 | 3 | TE-146-2A | COLLAR LUG | |
| 1 | 2 | TE-146-1 | COLLAR LUG | |
| 1 | 1 | CI-109-8 | CORE | |

| STOCK SIZE | | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | |
|--------------------|-------------------|--|--------------------|
| | | TT-141 ASS'Y | |
| | | COIL R.F., TUNED, BAND 1 | |
| | | RUIZZO <i>[Signature]</i> <i>[Signature]</i> BP | |
| TYPE & TEMPER | HEAT TREAT. SPEC. | DRAWN | CHECKER |
| | | <i>[Signature]</i> | <i>[Signature]</i> |
| FINISH & SPEC. NO. | | FINAL APPROVAL | |
| | | A-2124 F | |

| SYM | DESCRIPTION | DATE | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|-----|-----------------------------|---------|---------|--------|---------|--------------------|
| F | IT. 4 WAS SM142 | 2-26-65 | 13561 | gd | JCB | <i>[Signature]</i> |
| E | ITEM 1 WAS CI-109-12 | 5-22-64 | 11444 | WB | JCB | <i>[Signature]</i> |
| D | ITEM # 5 WAS WI-104-341 SSE | 3-16-64 | 11048 | A.M. | @ | <i>[Signature]</i> |
| C | ITEM # 1 WAS CI-109-6 | 10-4-63 | 10152 | gd | JCB | <i>[Signature]</i> |
| B | IN PICT. 3/8 DIM WAS 1/8 | 8-29-63 | 9864 | AL | JCB | <i>[Signature]</i> |
| A | DIMS CLARIFIED | 3-4-63 | 8378 | gd | JCB | <i>[Signature]</i> |

| UNLESS OTHERWISE SPECIFIED: | | SCALE: | |
|--|--------|---|------------|
| DIMENSIONS ARE IN INCHES | | MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. | |
| TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2° | | REMOVE ALL BURRS AND SHARP EDGES | |
| REQ. PER UNIT | GPR-92 | HF OSC | T118 |
| | MODEL | SECTION | ASS'Y. NO. |
| | | | DATE |
| | | | 10-16-62 |