

COIL DATA

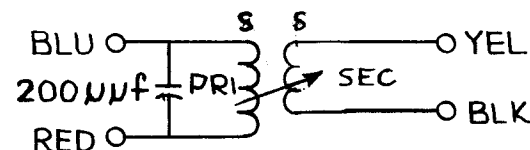
| SPECIFICATIONS     | PRIMARY  | SECONDARY |
|--------------------|----------|-----------|
| CAM                | .250     | .250      |
| CAM GEAR           | #105     | #105      |
| CAM DRIVER         | #69      | #69       |
| IND (uh)           | 5.3-6.1  | -         |
| Q                  | 45-55    | -         |
| COIL RES. $\Omega$ | 0.8      | 0.9       |
| FREQ. (Kc.)        | 7.9 Mcs. | -         |
| COND (uuf)         | 200      | -         |

| WINDING DATA |       |         |
|--------------|-------|---------|
| TURNS        | 31    | 15      |
| WIRE         | #5/41 | #38 DSC |

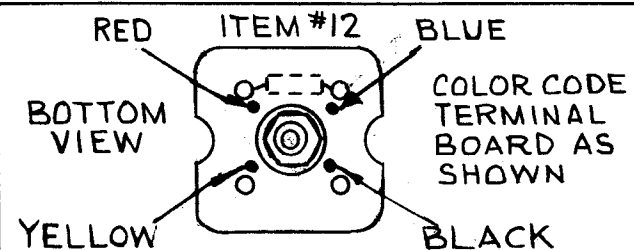
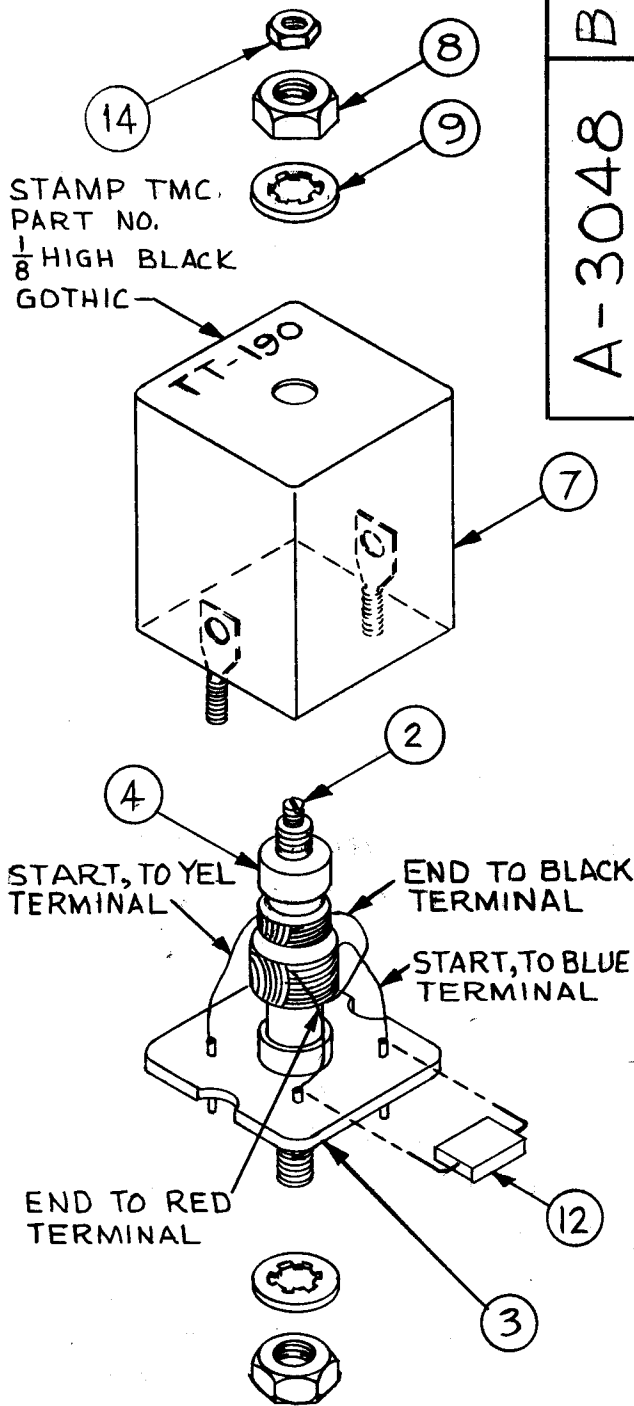
WINDING INSTRUCTIONS:

1. WIND PRIMARY FIRST 31 TURNS OF ITEM 6, STARTING 3/8" FROM END. STAKE ENDS WITH ITEM 10.
2. WIND SECONDARY 15 TURNS OF ITEM 5, STARTING 1/16" FROM END OF PRIMARY. STAKE ENDS WITH ITEM 10.
3. STRIP 1/2" AND TIN LEADS 3/8". SOLDER THEM TO PROPER COLOR-CODED TERMINALS ON BASE (AS SHOWN).
4. MEASURE Q, IND, RES, WITHOUT CORE.
5. BAKE FOR 20 MINUTES AT 220°F. SATURATE COILS WITH ITEM 11.
6. SOLDER COMPONENT LEADS TO BASE.
7. ASSEMBLE AS PER DRAWING AND PLACE IN CAN.



SCHEMATIC DIAGRAM

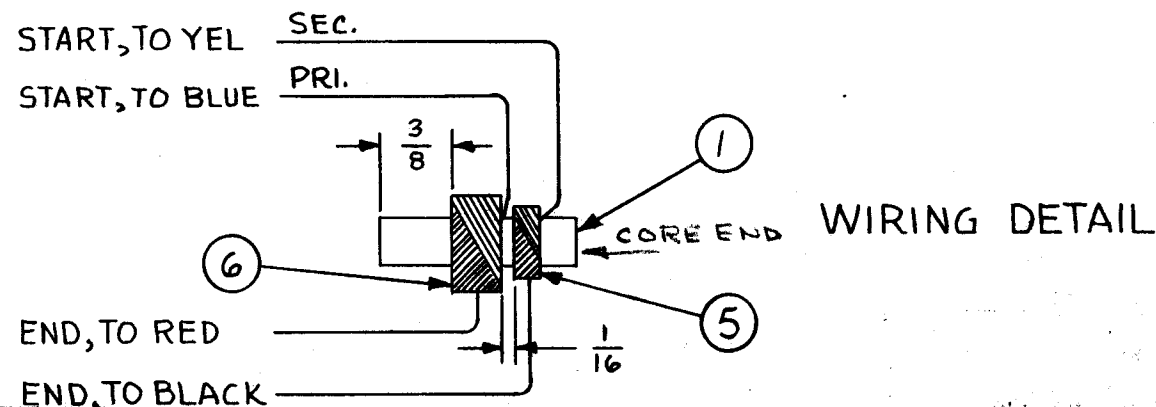
S - INDICATES START OF WINDING.



A-3048 B

REVISIONS

| SYM | DESCRIPTION  | DATE     | E.M.N. NO. | DRAFT | CHKD | APPD |
|-----|--|----------|------------|-------|------|------|
| A   | ITEM 14 ADDED TO DWG   | 11/13/63 | 10412      |       |      |      |
| B   | ITEM #8 WAS NTH0832BN8, UPDATED ALL DISC<br>ITEM #12 WAS CM-15C 201K | 2/29/64  | 10908      | A.M.  |      |      |



WIRING DETAIL

| REQ'D. | ITEM | PART NUMBER    | DESCRIPTION                     | SYMBOL |
|--------|------|----------------|---------------------------------|--------|
| 1      | 14   | NTH0348BN6     | Nut, Hex                        |        |
| X      | 13   | BS-100         | SOLDER, SOFT                    |        |
| 1      | 12   | CM-15C 201K    | CAPACITOR, FIXED, MICA, 200 uuf |        |
| X      | 11   | GL-102         | ADHESIVE, Q-MAX.                |        |
| X      | 10   | GL-103         | ADHESIVE                        |        |
| 2      | 9    | LW108MRN       | WASHER, LOCK, INTERNAL          |        |
| 2      | 8    | NTH0832BN10    | NUT, HEX                        |        |
| 1      | 7    | A-3029-2       | CAN ASSEMBLY                    |        |
| X      | 6    | WI-104-5418NQS | WIRE, LITZ                      |        |
| X      | 5    | WI-107-19      | WIRE, MAGNET, SZ38              |        |
| 2      | 4    | SM-140-2       | BUSHING, COIL MOUNTING          |        |
| 1      | 3    | PX-635         | TERM. BOARD, TRANS. 4 LUGS      |        |
| 1      | 2    | CI-116-5       | CORE, TUNING                    |        |
| 1      | 1    | CF-122-1       | FORM, CORE .250 O.D.            |        |

J. STRUMER LIST OF MATERIAL

MATERIAL: THE TECHNICAL MATERIEL CORP.  
MAMARONECK, NEW YORK

FINISH: TITLE TT-190 ASSEMBLY

|   |                  |              |                |      |
|---|------------------|--------------|----------------|------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | DRAWN M TANTILLO | DATE 7-19-62 | FINAL APPROVAL | DATE |
| DECIMALS .X ± .05 .XX ± .01 .XXX ± .005   | CHECKED          | DATE 4/2/63  | A-3048         | B    |
| FRACTIONS ± 1/64 ANGLES ± 0° 30'  | TOLERANCES       | DATE 3-29-63 |                |      |

NOTES

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