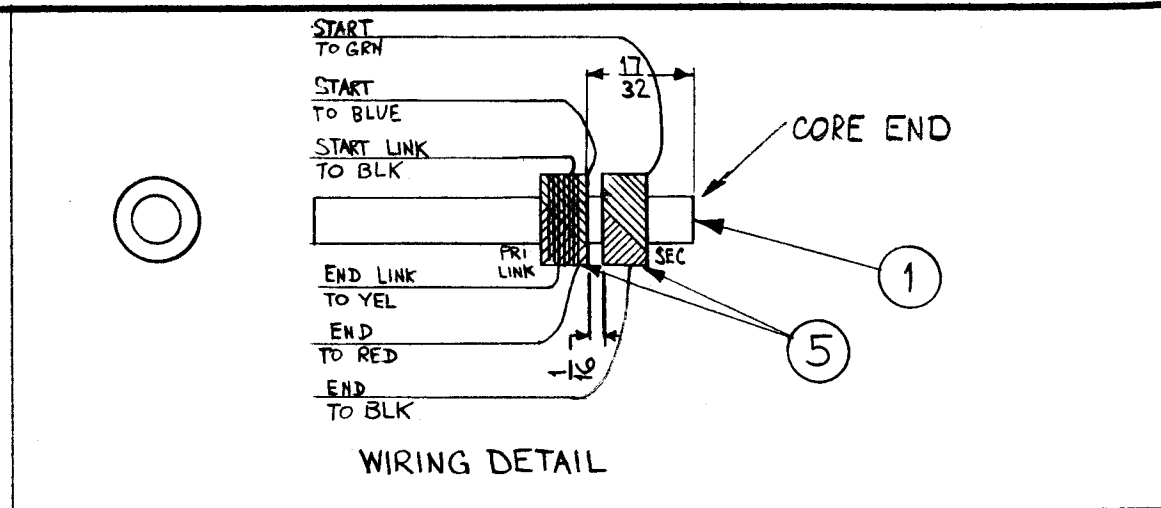
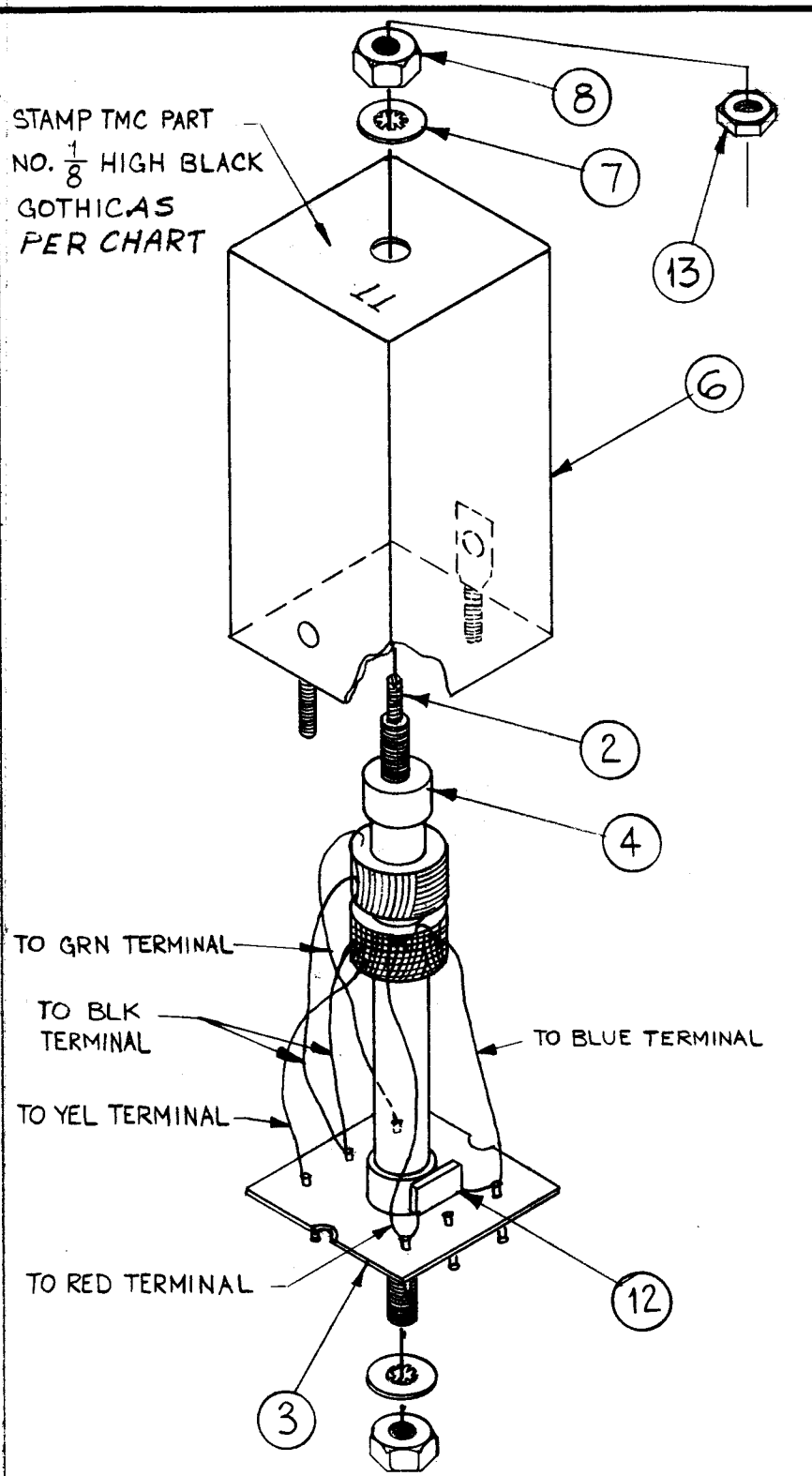
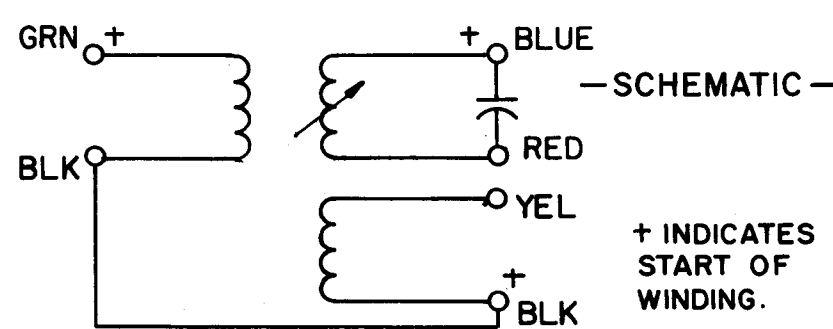


| COIL DATA | | | |
|-------------------|---------------|---------------|------|
| SPECIFICATIONS | PRIMARY | SECONDARY | LINK |
| CAM | .250 | .250 | |
| CAM GEAR | 105 | 105 | |
| CAM DRIVER | 69 | 69 | |
| IND (uh) | 190-210 | 85-95 | |
| Q | 40 OR GREATER | 40 OR GREATER | |
| COIL RES Ω | 10.5 | 7 | 1.9 |
| FREQ. | 790 KC | 2.5 MC | |
| COND | SEE CHART | | |

| WINDING INSTRUCTIONS | | | |
|----------------------|---------|---------|----|
| TURNS | 185 | 125 | 14 |
| WIRE | #38 DSC | #38 DSC | |

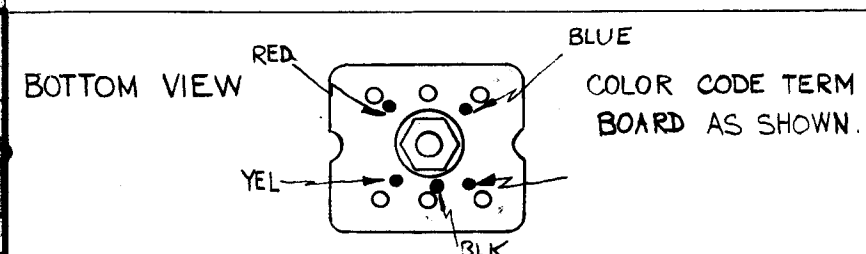
- WINDING DATA
1. Wind primary first, 185 turns (item 5) starting 17/32 from end. Stake ends with item 9.
 2. Wind link over primary, 14 turns.
 3. Wind secondary 1/16 from beginning of primary, 125 turns (item 5). Stake ends with item 9.
 4. Color code coil base as shown.
 5. Strip & tin leads. Solder them to proper color-coded terminals on base.
 6. Measure Q, IND, RES, w/o core.
 7. Bake for 15 min at 220°F. Saturate coils with item 10.
 8. Solder component leads to terminals.
 9. Apply all leads with GL-102 (item 10).
 10. Assemble as per assembly drawing, place in can.



| TMC ASS'Y NO. | TMC P/N | OPER. FREQ. | ITEM #12 | VALUE |
|---------------|---------|-------------|--------------|--------|
| A2155 | TT159 | 250KC | CM111F102F5S | 1000PF |
| A2155-2 | TT159-2 | 205KC | CM112F202G5S | 2000PF |

| 1 | 13 | NTH0348BN8 | NUT, HEX |
|---|----|-------------|--------------------------|
| 1 | 12 | SEE CHART | |
| X | 11 | BS-100 | SOLDER, SOFT |
| X | 10 | GL-102 | Q-DOPE |
| X | 9 | GL-103 | DUCO |
| 2 | 8 | NTH0832BN8 | HEX, NUT |
| 2 | 7 | LWI08MRN | LOCKWASHER, INTERNAL |
| 1 | 6 | A-3029-1 | CAN ASS'Y |
| X | 5 | WI-107-19 | MAGNET WIRE #38 |
| 2 | 4 | SM-140-2 | BUSHING, COIL MTG |
| 1 | 3 | PX-610-1 | TERM. BOARD TRANS 6 LUGS |
| 1 | 2 | CI-116-6 | CORE, TUNING |
| 1 | 1 | CF-122-1.93 | COIL FORM .250 O.D. |

| SYM | DESCRIPTION | DATE | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|-----|--------------------------------------|----------|---------|--------|---------|-----------|
| D | ADD -1 TO IT 3 P/N | 11-21-66 | 17292 | RME | QCS | |
| C | COIL DATA "Q" WAS 35-45 | 10-19-66 | 17058 | LWD | QCS | |
| B | TMC CHT. ADDED IT-12WAS CM111F102F5S | 11/4/65 | 15989 | IVV | QCS | |
| A | ITEM 15 ADDED | 11/2/63 | 10412 | LD | QCS | |



UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN INCHES
 TOLERANCES ON FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$ ANGLES $\pm 1/2^\circ$

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 | SECTION | ASS'Y. NO. | DATE |
|---------------|-------|---------|------------|---------|
| 1 | HFI-1 | | | 9-21-61 |
| 1 | SBS-1 | | | 9-21-61 |
| | | | | |

USED ON

| REQ. ITEM | PART NO. | M. GELLMAN | DESCRIPTION | SYMBOL |
|--|----------|--------------------|-------------|--------------------------------|
| THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | | | | |
| STOCK SIZE | | | | |
| MATERIAL | | | | |
| TT-159 TRANSFORMER ASS'Y. (TRANS IF TUNED) | | | | |
| TYPE & TEMPER | | HEAT TREAT. SPEC. | | FINISH & SPEC. NO. |
| DRAWN | | CHECKER | | FINAL APPROVAL |
| MATERIAL | | FINISH & SPEC. NO. | | FIN. DES. APP. MECH. DES. APP. |
| | | | | A-2155 |
| | | | | D |