

A-2258

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COIL DATA

| Specifications | Primary | Secondary |
|--------------------|-----------|-----------|
| Cam | .250 | --- |
| Cam Gear | 109 | --- |
| Cam Driver | 50 | --- |
| Ind (uh) | 3.4 - 3.6 | --- |
| Q | 35-40 | --- |
| Coil Res. Ω | 0 | --- |
| Freq. (Mc) | 7.9 | --- |
| Cond. UUF | 1500 | --- |
| Res. Ext. | | --- |

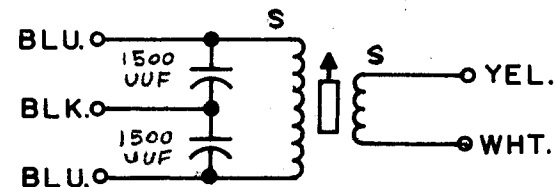
WINDING DATA

| | | |
|-------|-------|-------|
| Turns | 25 | 2 |
| Wire | 40/44 | #27EC |

Winding Instructions:

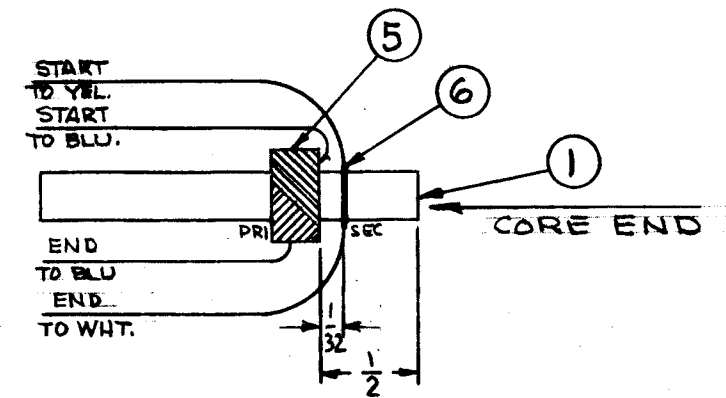
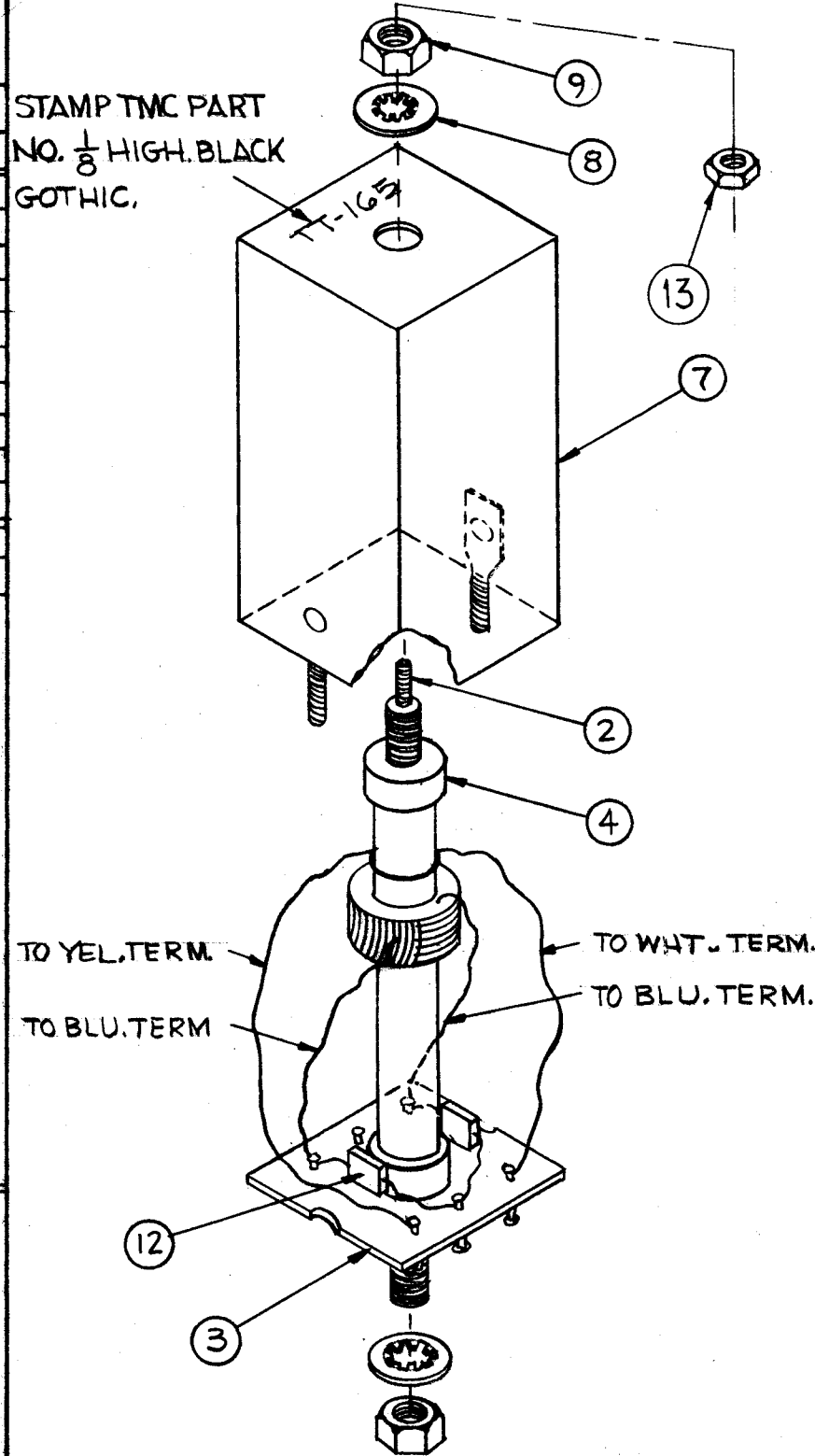
1. Wind primary first 25 turns of Item 5, starting 1/2" from end. Stake ends with Item 10.
2. Wind secondary 2 turns of Item 6, starting 1/32" from START OF PRIMARY IN SAME DIRECTION. STAKE ENDS WITH ITEM 10.
3. Color code coil base as shown.
4. Strip and tin leads. Solder them to proper color-coded terminals on base.
5. Measure Q, Ind., Res. w/o core.
6. Bake for 20 minutes at 215°F. Saturate coil with Item 11.
7. Solder component leads to terminals.
8. Assemble as per drawing and place in can.

SCHEMATIC DIAGRAM



S-INDICATES START OF WINDING

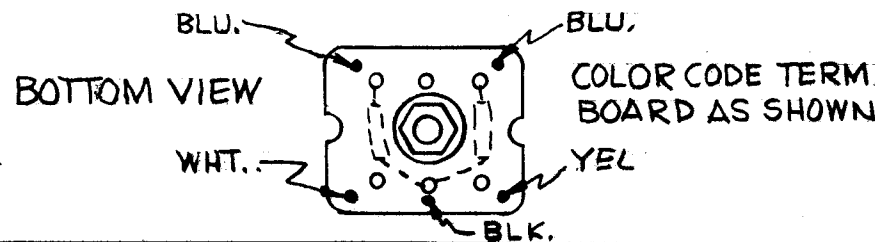
STAMP TMC PART NO. 1/8 HIGH. BLACK GOTHIC.



WIRING DETAIL

| | | | |
|---|----|------------------|-----------------------------|
| X | 14 | BS100 | SOLDER, TIN ALLOY |
| 1 | 13 | NTH0348BN6 | Nut, Hex |
| 2 | 12 | CM112F152D5S | Capacitor, Fixed, 1500 UUF. |
| X | 11 | GL-102 | Q-Dope |
| X | 10 | GL-103 | Duco |
| 2 | 9 | NTH0832BN8 | Nut, Hex |
| 2 | 8 | LWI08MRN | Lockwasher, Int. |
| 1 | 7 | A-3029-1 | Can Ass'y. |
| X | 6 | WI-122-27 | Magnet Wire, Single |
| X | 5 | WI104-4044SSP-QS | Wire, Litz 40/44 |
| 2 | 4 | SM-140-2 | Bushing, Coil Mtg. |
| 1 | 3 | PX-610-1 | Term. Board, Trans, 6 Lugs |
| 1 | 2 | CF-126-1 | Core, Tuning |
| 1 | 1 | CF-122-1.93 | Coil Form, .250 O.D. |

| REQ. | ITEM | PART NO. | GELLMAN DESCRIPTION | SYMBOL |
|------|------|----------|---------------------|--------|
|------|------|----------|---------------------|--------|



| REQ. PER UNIT | MODEL | SECTION | ASSY. NO. | DATE |
|---------------|---------|---------|-----------|---------|
| 1 | HER-1/C | | | 12-8-61 |

| | | | |
|--------------------|-------------------|--|----------------|
| STOCK SIZE | | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | |
| MATERIAL | | TT-165 ASSY. | |
| TYPE & TEMPER | HEAT TREAT. SPEC. | DRAWN | CHECKED |
| FINISH & SPEC. NO. | ENG. DES. APP. | MECH. DES. APP. | FINAL APPROVAL |

| | | | | | | |
|---|--|----------|-------|-----|--|--|
| F | IT-11 WAS CM112E152D3C | 2-28-67 | 17844 | MRB | | |
| E | WIRING DETAIL DELETED 7/16 & ADDED 1/16 WINDING INSTR. - STEP 2 REVISED. | 6-9-66 | 16366 | AB | | |
| D | ITEM 14 ADDED | 8-4-64 | 12047 | ASB | | |
| C | IN COIL DATA CHART Q WAS 40 | 1/6/64 | 10706 | ED | | |
| B | ITEM 13 ADDED TO PICT. & CHART | 11-18-63 | 10412 | MS | | |
| A | ITEM (3) WAS PX-610 | 9-21-62 | 7378 | EF | | |

| SYM | DESCRIPTION | DATE | CH. NO. | DRAFTS | CHECKER | ENG. APP. |
|--|-------------|---|---------|--------|---------|-----------|
| 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 | | | | |