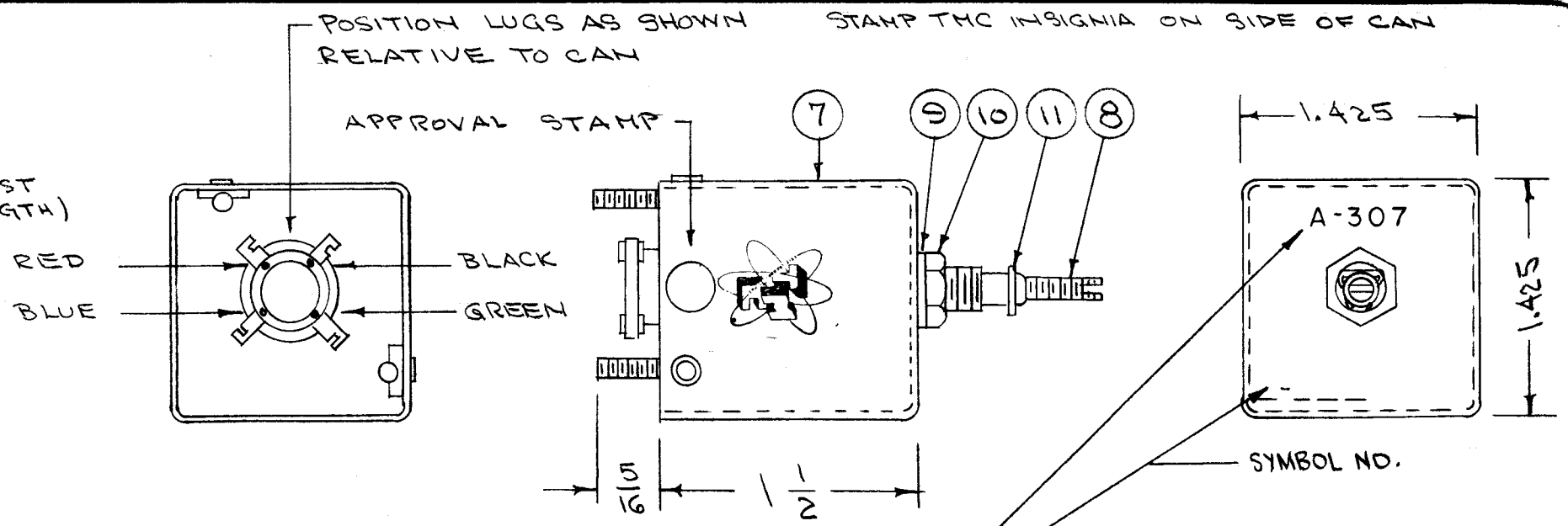
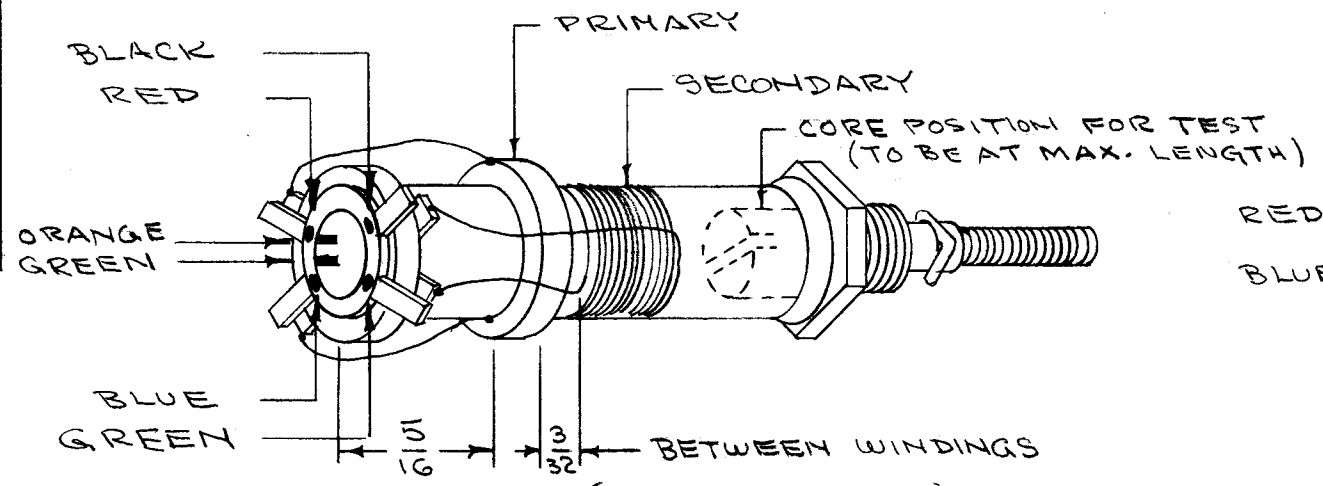


D
103-A

CEMENT ITEM 6 (COLLAR) TO COIL FORM WITH ITEM 4.
COLOR CODE END OF COIL FORM AS BELOW.



WINDING MACHINE DATA (FOR PRIMARY.)

DRIVER GEAR - 81
CAM GEAR - 86
CAM - .093

WINDING DATA

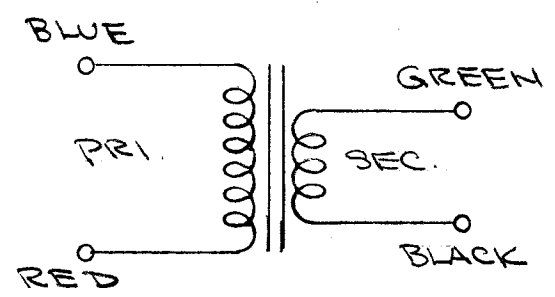
- 1- STARTING AT BLUE LUG, UNIVERSAL WIND 50 3/4 TURNS ENDING AT RED LUG. USE ITEM 2 (#34 DSC) PRIMARY.
- 2- STARTING AT GREEN LUG, CLOSE WIND 13 1/4 TURNS ENDING AT BLACK LUG. USE ITEM 3 (#26 DSC) SECONDARY.
- 3- STAKE COIL ENDS WITH ITEM 4.
- 4- BAKE FOR 1/2 HOUR AT 215° F.
- 5- SATURATE COILS WITH ITEM 5 (Q MAX)
- 6- BAKE FOR 1/2 HOUR AT 215° F.
- 7- REPEAT STEP 5 & 6.
- 8- STRIP, TIN & SOLDER CONNECT LEADS AS ABOVE.

TEST DATA (SEE ABOVE FOR CORE POSITION)

TEST LEADS TO BE APPROX. 1/4". NO CAN NEEDED FOR TEST.

| | PRIMARY | SECONDARY |
|-----------|--------------------|--------------------|
| | BLUE/RED | GREEN/BLACK |
| L μ H | 52.5 (49.9 - 55.1) | 2.40 (2.28 - 2.52) |
| Q | 30 OR GREATER | 60 OR GREATER |
| F | 2.5 MC | 7.9 MC |

USE BOONTON Q METER 160A OR EQUIV.



FREQ. RANGE - 7.9 TO 16.4 MC

STAMP ASSY. NO. & SYMBOL NO. ON CAN AFTER CAN IS ASSEMBLED ON CHASSIS. REF: (LD-124)

| | | | | |
|---|----|-----------|-------------------------|--|
| X | 12 | BS-100 | SOLDER, SOFT | |
| 1 | 11 | SP-102 | SPRING LOCK P/O CF-114 | |
| 1 | 10 | NT-102 | NUT, HEX P/O CF-114 | |
| 1 | 9 | LWI25LRC | WASHER, LOCK P/O CF-114 | |
| 1 | 8 | CI-109-19 | CORE | |
| 1 | 7 | A-173 | CAN ASSY. | |
| 1 | 6 | TE-146-4 | COLLAR & LUGS | |
| X | 5 | GL-102 | Q MAX A-27 | |
| X | 4 | GL-103 | CEMENT, DUCCO | |
| X | 3 | WI-107-7 | MAGNET WIRE, 26 DSC | |
| X | 2 | WI-107-15 | " " , 34 DSC | |
| 1 | 1 | CF-114-3 | COIL FORM | |

| REQ. ITEM | PART NO. | DESCRIPTION | SYMBOL |
|--|----------|-------------------|-----------------|
| THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | | | |
| STOCK SIZE | | | |
| MATERIAL | | | |
| TRANSFORMER ASSY. MIXER, T702, BAND 7 | | | |
| | | CDK/KLB | A.J.J. |
| TYPE & TEMPER | | HEAT TREAT. SPEC. | DRAWN |
| | | | CHECKED |
| | | | FINAL APPROVAL |
| | | P.L.K. | A-307 |
| FINISH & SPEC. NO. | | ELEC. DES. APP. | MECH. DES. APP. |

| D | 1 | Q WAS 70 (SEC) | 1/20/64 | 10792 | MD | MD | MD |
|-------|------|------------------------------------|----------|---------|---------------|---------------|---------------|
| C | 1 | Q WAS 35 (PRI) | 11/14/63 | 10438 | MD | MT | MD |
| B | 1 | Q WAS 40 (PRI) & 95 (SEC) | 2/11/58 | 2 | 16 | P.L.K. | QZR |
| A | 1 | COMPLETE REVISION SUPERSEDES A-303 | 10/1/56 | 1 | 000 | P.L.K. | A.J.J. |
| ISSUE | ITEM | CHANGED FROM | DATE | CH. NO. | DRAFTS | CHECKER | ENG. APP. |

| TOLERANCES | | SCALE: | |
|--------------------|--|---|--|
| DEC. DIM. \pm | | MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. | |
| FRAC. DIM. \pm | | REMOVE ALL BURRS AND SHARP EDGES | |
| ANGULAR DIM. \pm | | | |

| 1 | FFRD-7 | 104 | A-328 | 10-5-56 |
|---------------|--------|-------------|-----------|---------|
| REQ. PER UNIT | MODEL | PROJECT NO. | ASSY. NO. | DATE |
| USED ON | | | | |