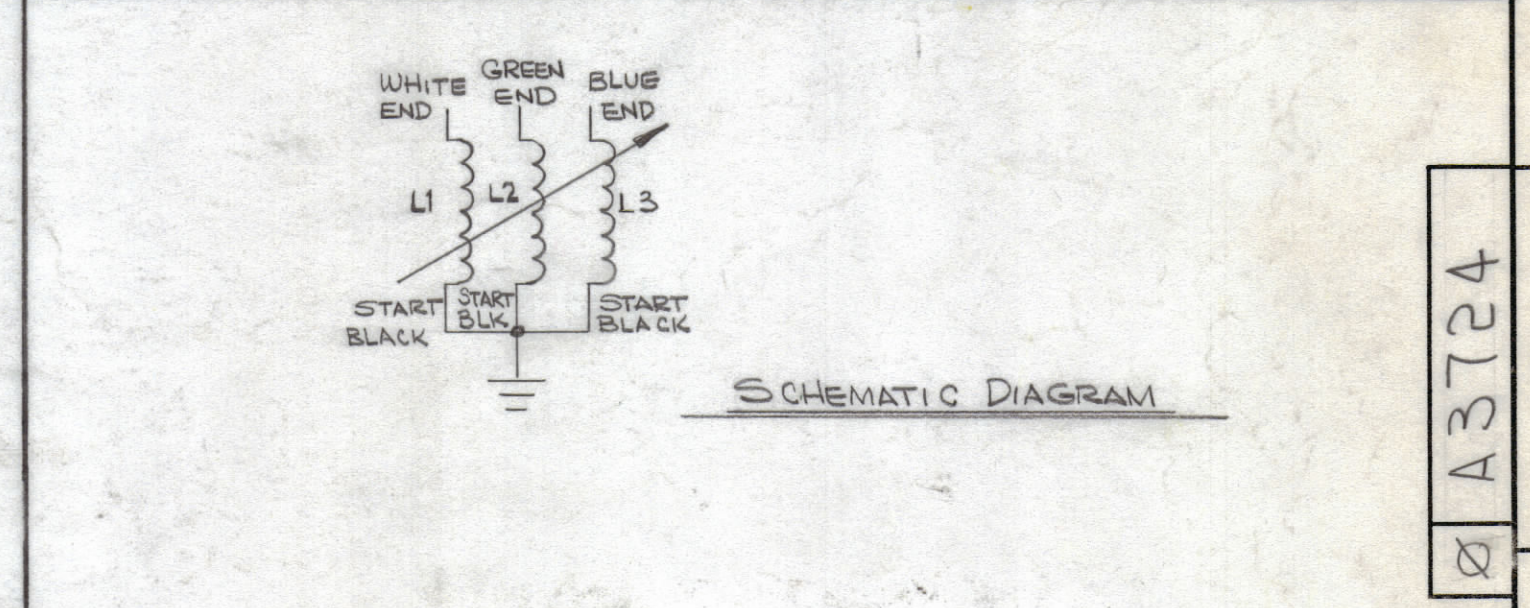
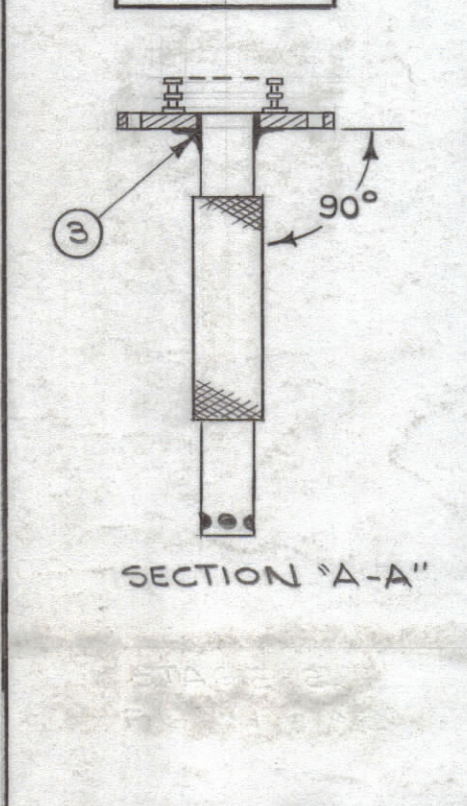
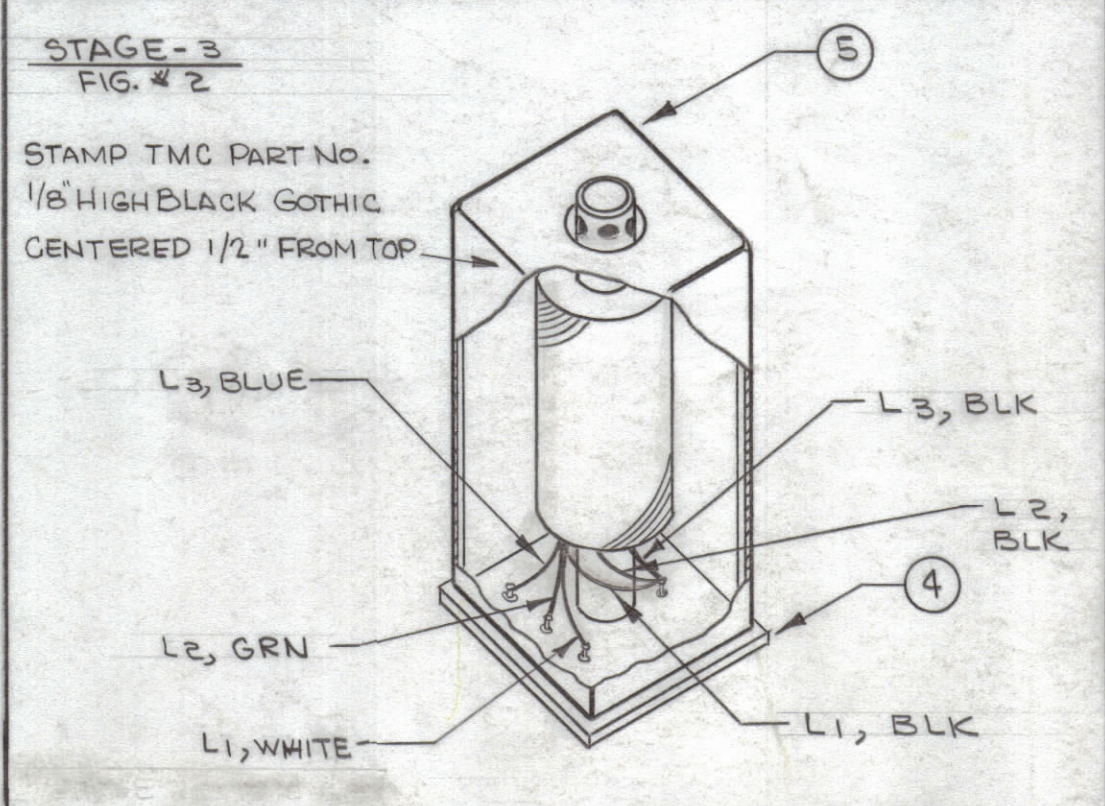
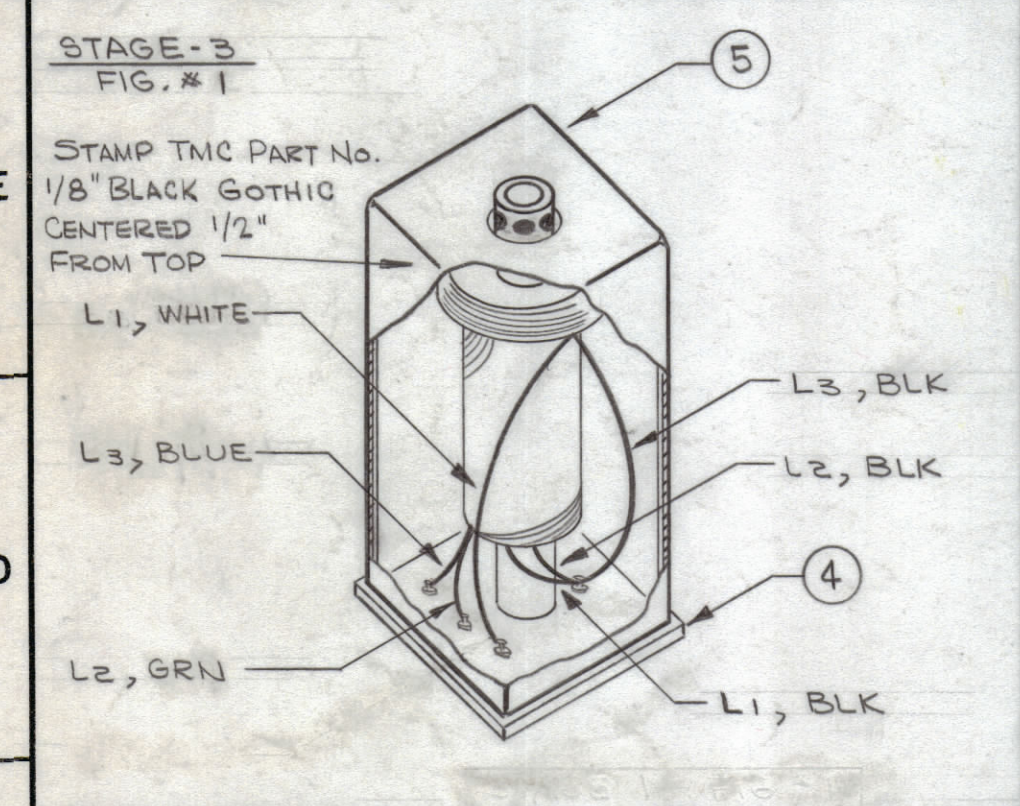
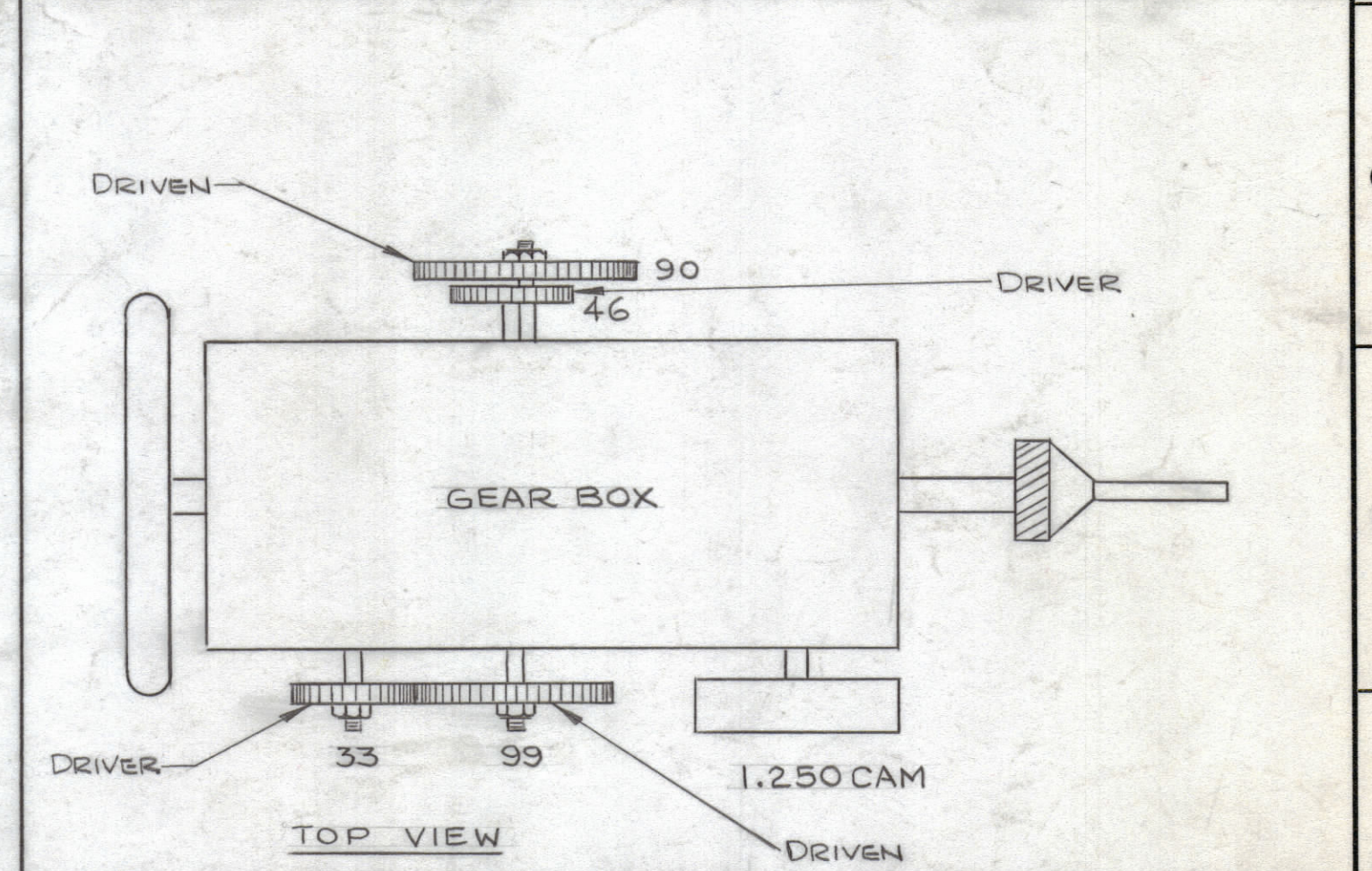
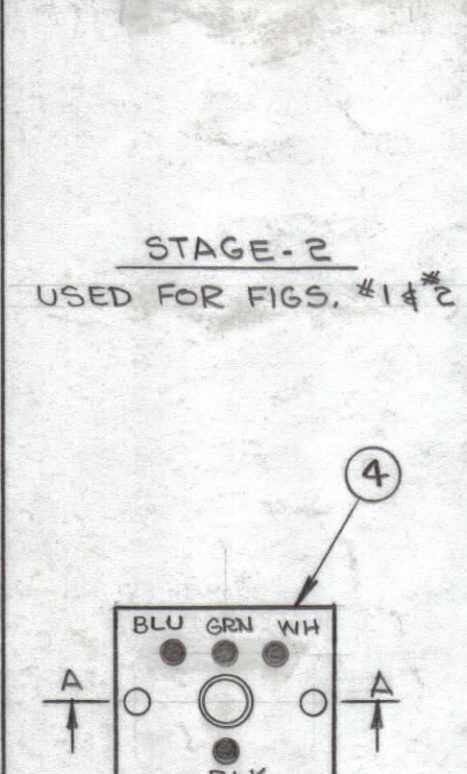
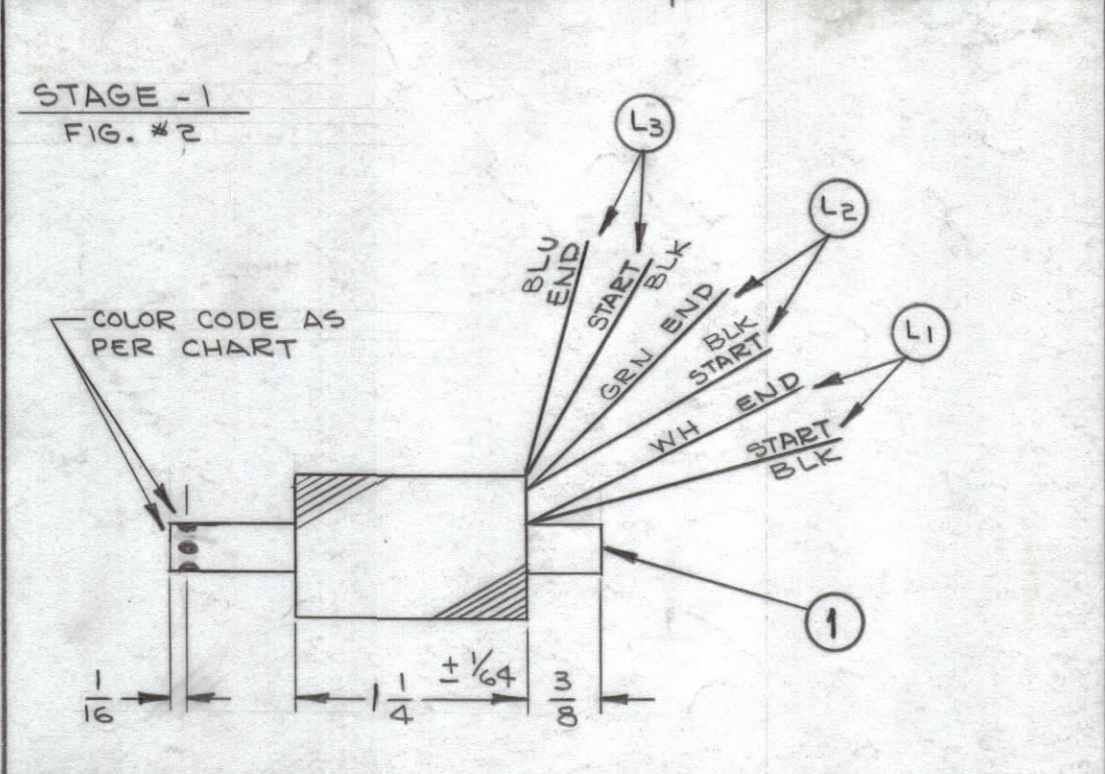
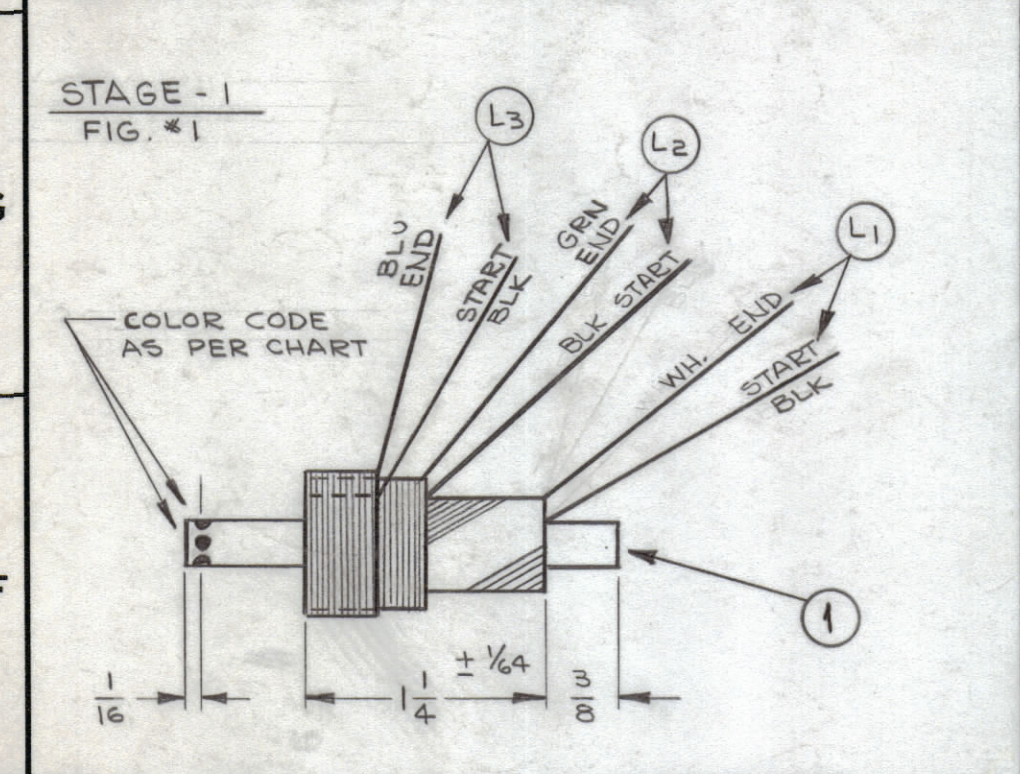


| TMC MFG. ASSY. NO. | TMC PART No. | NUMBER OF TURNS (APPROX) |     |    | TEST FREQUENCY L1 ± 2% |          |      |      | TEST FREQUENCY L2 ± 10% |           |      |      | TEST FREQUENCY L3 ± 20% |            |      |      | FIG | COLOR CODE COIL FORM | BAND  | R.F. REQ. |   |
|--------------------|--------------|--------------------------|-----|----|------------------------|----------|------|------|-------------------------|-----------|------|------|-------------------------|------------|------|------|-----|----------------------|-------|-----------|---|
|                    |              | L1                       | L2  | L3 | F                      | L        | Q    | R    | F                       | L         | Q    | R    | F                       | L          | Q    | R    |     |                      |       |           |   |
|                    |              |                          |     |    |                        | 1.556 mh |      |      |                         | 10K 180uh |      |      |                         | 10K 18.3uh |      |      |     |                      |       |           |   |
| A3724-1            | TT203        | 860                      | 196 | 56 | 10K                    | 1.556 mh | ±15% | 19.0 | 10K                     | 180uh     | ±15% | 6.10 | 10K                     | 18.3uh     | ±15% | 1.90 | 2   | BLK-BRN-RED          | 1 & 2 | 1ST       | 1 |
| A3724-2            | TT204        | 473                      | 100 | 35 | 10K                    | 377uh    | ±15% | 9.10 | 10K                     | 29.5uh    | ±15% | 2.40 | 10K                     | 4.6uh      | ±15% | 9.50 | 2   | ORN                  | 3     | 1ST       | 1 |
| A3724-3            | TT205        | 260                      | 57  | 18 | 10K                    | 101uh    | ±15% | 4.70 | 10K                     | 7.5uh     | ±15% | 1.20 | 10K                     | 1.4uh      | ±15% | 4.0  | 2   | YEL                  | 4     | 1ST       | 1 |
| A3724-4            | TT206        | 136                      | 20  | 18 | 10K                    | 26.2uh   | ±15% | 2.40 | 10K                     | 2.5uh     | ±15% | .50  | 10K                     | 2.55uh     | ±15% | 2.50 | 1   | BLK-BRN-GRN          | 5     | 1ST       | 1 |

| REVISIONS |     |                                           |          |            |       |      |      |
|-----------|-----|-------------------------------------------|----------|------------|-------|------|------|
| ZONE      | SYM | DESCRIPTION                               | DATE     | E.M.N. NO. | DRAFT | CHKD | APPD |
| #         | X2  | REDRAWN & REDESIGNED                      | 11-2-64  | X2         |       |      |      |
| #         | X3  | CHART & PICTORIAL UPDATED                 | 11-22-64 | X3         |       |      |      |
| #         | X4  | CHART & PICTORIAL UPDATED; ADD. PROCEDURE | 3-29-65  | X4         |       |      |      |
|           |     | ORIGINAL RELEASE FOR PRODUCTION           | 4-20-65  |            |       |      |      |



- PROCEDURE
- ASSEMBLE ITEM 1 TO ITEM 3 USING ITEM 4. BAKE AT 250°F FOR 1 HOUR.
  - WIND L1 FIRST, STARTING 3/8" FROM END OF COIL FORM.
  - WHEN L1 WINDING IS COMPLETED, PULL OUT A LOOP OF WIRE.
  - START L2 WHERE L1 ENDS. WHEN L2 WINDING IS COMPLETED, PULL OUT A LOOP OF WIRE.
  - START L3 WHERE L2 ENDS.
  - STAKE LEADS TO COIL FORM WITH ITEM 7.
  - ALL WINDINGS ARE WOUND WITH THE GEAR RATIO SHOWN, EXCEPT L2 & L3 OF A3724-4.
  - L2 OF A3724-4 IS CLOSE WOUND BY HAND ON TOP OF L1 AS SHOWN IN FIG. 1, AND IN SAME DIRECTION AS L1.
  - L3 OF A3724-4 IS CLOSE WOUND BY HAND ON TOP OF L2 AS SHOWN IN STEP 1 FIG. 1, AND IN SAME DIRECTION AS L2.
  - CUT ALL LEADS TO WITHIN 1" OF BASE OF COIL FORM. STRIP AND TIN TO BASE OF COIL FORM.
  - COLOR CODE LEADS, TERMINAL BOARD AND COIL FORM AS SHOWN.
  - TEST INDUCTANCE AS PER CHART ABOVE PRIOR TO CONNECTING LEADS TO TERMINAL BOARD. USE MARCONI MOD. TF1313 UNIVERSAL BRIDGE.
  - SOLDER LEADS TO RESPECTIVE TERMINALS AND ASSEMBLE AS SHOWN.

- NOTE
- MAINTAIN 265 TO 270 GRAMS TENSION ON WIRE GUIDE. CHECK TENSION FREQUENTLY.
  - TEST IN ACCORDANCE WITH S947.

| REQ'D. | ITEM | PART NUMBER     | DESCRIPTION             | SYMBOL |
|--------|------|-----------------|-------------------------|--------|
| X      | 7    | GL103           | ADHESIVE, N-CEL         |        |
| X      | 6    | BS100           | SOLDER, TIN ALLOY       |        |
| 1      | 5    | A3930           | CAN                     |        |
| 1      | 4    | A3933-2         | TERMINAL BOARD ASSY     |        |
| X      | 3    | GL125           | EPOXY ADHESIVE, SEALANT |        |
| X      | 2    | WI104-7-41-5NQS | WIRE, ELECTRICAL, LITE  |        |
| 1      | 1    | CF137-2.218     | COIL FORM               |        |

| LIST OF MATERIAL                                                                                      |                                                   |         |                |      |
|-------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------|----------------|------|
| MATERIAL                                                                                              | THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK |         |                |      |
| FINISH                                                                                                | TITLE                                             |         |                |      |
|                                                                                                       | TRANSFORMER ASSY, 1ST R.F.                        |         |                |      |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | DRAWN                                             | DATE    | FINAL APPROVAL | DATE |
| DECIMALS X ± .05 .XX ± .01 .XXX ± .005                                                                | G. Senan                                          | 11-2-64 |                |      |
| FRACTIONS ± 1/64 ANGLES ± 0° 30'                                                                      | CHECKED                                           | DATE    |                |      |
| TOLERANCES                                                                                            | G. Senan                                          | 3-29-65 |                |      |
|                                                                                                       | ELECT. DES.                                       | DATE    |                |      |
|                                                                                                       | MECH. DES.                                        | DATE    |                |      |
|                                                                                                       |                                                   |         | A3724          |      |
|                                                                                                       |                                                   |         |                |      |

NOTES

THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

A3724