

# TRANSMITTER CIRCUIT CODE

| SYMBOL                         | DESCRIPTION       |
|--------------------------------|-------------------|
| <b>RESISTORS</b>               |                   |
| R112                           | 470 OHMS.         |
| R101, 117.                     | 220 K OHMS.       |
| R102                           | NOT USED.         |
| R103, 110, 115.                | 470 K OHMS.       |
| R104                           | 680 OHMS.         |
| R105, 111.                     | 3.9 K OHMS.       |
| R106                           | 47 K OHMS.        |
| R107                           | 15 K OHMS.        |
| R108                           | 100 K OHMS.       |
| R109                           | 150 K OHMS.       |
| R113                           | 360 K OHMS.       |
| R114                           | 5.6 K OHMS.       |
| R116                           | 150 OHMS.         |
| <b>CAPACITORS</b>              |                   |
| C101, 105, 109, 113, 129.      | 0.005 $\mu$ F.    |
| C102, 103, 108, 110, 126, 127. | 0.01 $\mu$ F.     |
| C104, 112, 128.                | 0.001 $\mu$ F.    |
| C106                           | 10-225 PF.        |
| C107, 116.                     | 33 PF.            |
| C114                           | 15 PF.            |
| C115                           | 22 PF.            |
| C117                           | 57 PF.            |
| C118                           | 82 PF.            |
| C119                           | 150 PF.           |
| C120                           | 800 PF.           |
| C121                           | 470 PF.           |
| C122                           | 300 PF.           |
| C123                           | 180 PF.           |
| C124                           | 100 PF.           |
| C125                           | 68 PF.            |
| <b>TRANSFORMERS</b>            |                   |
| TR5                            | MIC. TRANSFORMER. |

| SYMBOL            | DESCRIPTION                           |
|-------------------|---------------------------------------|
| <b>INDUCTORS</b>  |                                       |
| L11               | PA TUNING COIL 2                      |
| L12               | R.F. CHOKE                            |
| <b>SWITCHES</b>   |                                       |
| SWC1-6.           | FUNCTION SWITCH                       |
| SWE               | 4 POSITION XTAL                       |
| SWD1-2.           | 3 POS. A-B-NET                        |
| SWF1-2.           | 7 POS. AER. MATCH                     |
| SWG.              | PILOT LAMP SWITCH                     |
| <b>VALVES</b>     |                                       |
| V6                | CV-785 MOD. AUDIO                     |
| V7                | CV-807 CRYSTAL                        |
| V8, 9.            | CV-807 IN PARALLEL                    |
| <b>METERS</b>     |                                       |
| M1                | TUNING INDICATOR<br>& H.T. VOLTAGE CH |
| <b>PLUGS</b>      |                                       |
| PL1               | 17 POINT CABLE CON                    |
| PL3               | H.T. BATTERY PLUG                     |
| <b>SOCKETS</b>    |                                       |
| SK3               | 3 POINT KEY SOCK                      |
| <b>RECTIFIERS</b> |                                       |
| MR5, 6.           | GERMANIUM CV-                         |
| <b>CRYSTALS</b>   |                                       |
| XL1               | CRYSTAL DE                            |
| XL2               | CRYSTAL DE                            |
| XL3               | CRYSTAL DE                            |
| XL4               | CRYSTAL DE                            |
| <b>LAMPS</b>      |                                       |
| LP2               | PILOT LAMP                            |

# RECEIVER CIRCUIT CODE

| SYMBOL                      | DESCRIPTION                   |
|-----------------------------|-------------------------------|
| <b>RESISTORS</b>            |                               |
| R1, 4, 10.                  | 470 K OHMS.                   |
| R2, 8, 9, 20, 21.           | 10 K OHMS.                    |
| R3                          | NOT USED.                     |
| R5                          | 100 K OHMS.                   |
| R6                          | 1500 OHMS.                    |
| R7, 14.                     | 2.2 M OHMS.                   |
| R11                         | 150 K OHMS.                   |
| R12, 17, 19.                | 47 K OHMS.                    |
| R13                         | 18 K OHMS.                    |
| R15, 18.                    | 6.8 M OHMS.                   |
| RVI                         | 1.0 M OHMS.                   |
| <b>CAPACITORS</b>           |                               |
| C1, 8, 21.                  | 3-30 PF. VARIABLE 2-4.5 MC/S  |
| C2, 9, 20.                  | 3-30 PF. VARIABLE 4.5-10 MC/S |
| C3                          | 0.4 $\mu$ F.                  |
| C4, 7, 13.                  | 10-225 PF.                    |
| C5, 11, 17, 32, 33.         | 100 PF.                       |
| C6, 10, 12, 22, 26, 29, 37. | 0.1 $\mu$ F.                  |
| C16, 40, 41.                | 12 PF.                        |
| C18, 19, 23, 24, 30, 31.    | 150 PF.                       |
| C14                         | 0.0018 $\mu$ F.               |
| C15                         | 900 PF.                       |
| C25, 27, 35, 38.            | 470 PF.                       |
| C28                         | 0.005 $\mu$ F.                |
| C34                         | 220 PF.                       |
| C36                         | 5 PF.                         |
| C39                         | 0.01 $\mu$ F.                 |
| C42                         | 4.7 PF.                       |
| <b>INDUCTORS</b>            |                               |
| L1                          | AERIAL TUNING 2-4.5 MC/S      |
| L2                          | AERIAL COUPLING 2-10 MC/S     |
| L3                          | AERIAL TUNING 4.5-10 MC/S     |
| L4                          | ANODE TUNING 4.5-10 MC/S      |

| SYMBOL                    | DESCRIPTION                     |
|---------------------------|---------------------------------|
| <b>INDUCTORS (CONTD.)</b> |                                 |
| L5                        | ANODE TUNING 2-4                |
| L6                        | OSC. SCREEN COUPLING            |
| L7                        | OSC. GRID TUNING 2              |
| L8                        | OSC. SCREEN COUPLING            |
| L9                        | OSC. GRID TUNING 4              |
| L10                       | HET. OSC. TUNING                |
| L13                       | FILAMENT CHOKE                  |
| <b>TRANSFORMERS</b>       |                                 |
| TR1                       | 1 <sup>ST</sup> I.F. TRANSFORM  |
| TR2                       | 2 <sup>ND</sup> I.F. TRANSFORM  |
| TR3                       | 3 <sup>RD</sup> I.F. TRANSFORM  |
| TR4                       | OUTPUT TRANSFORM                |
| <b>SWITCHES</b>           |                                 |
| SWA                       | 8 POLE, 2WAY BAND               |
| SWB                       | PILOT LAMP SWITCH               |
| <b>VALVES</b>             |                                 |
| V1                        | CV-785 R.F. AMP.                |
| V2                        | CV-782 CONVERT                  |
| V3                        | CV-785 I.F. AMP                 |
| V4                        | CV-785 REFLEX<br>AUDIO A        |
| V5                        | CV-784 DEMODUL<br>HETRODYNE OSC |
| <b>PLUGS</b>              |                                 |
| PL2                       | L.T. BATTERY PLUG               |
| <b>SOCKETS</b>            |                                 |
| SK1                       | 17 POINT CABLE CON              |
| SK2                       | DUAL 5PT. PHONE/MI              |
| <b>RECTIFIERS</b>         |                                 |
| MR1                       | GERMANIUM CV-4                  |
| <b>LAMPS</b>              |                                 |
| LPI                       | PILOT LAMP                      |

ION

10 MC/S

SWITCH  
SW.  
ING SW.  
H.OSC  
OSC.  
- P.A.- LT.  
CK.

CONNECTOR

ET.

48

TION

5 MC/S  
2-4.5 MC/S  
-4.5 MC/S  
4.5-10 MC/S  
-10 MC/SER.  
ER.  
ER.  
MER.

SELECTOR

R.

F.  
AP.  
TOR &ECTOR.  
SOCKET.

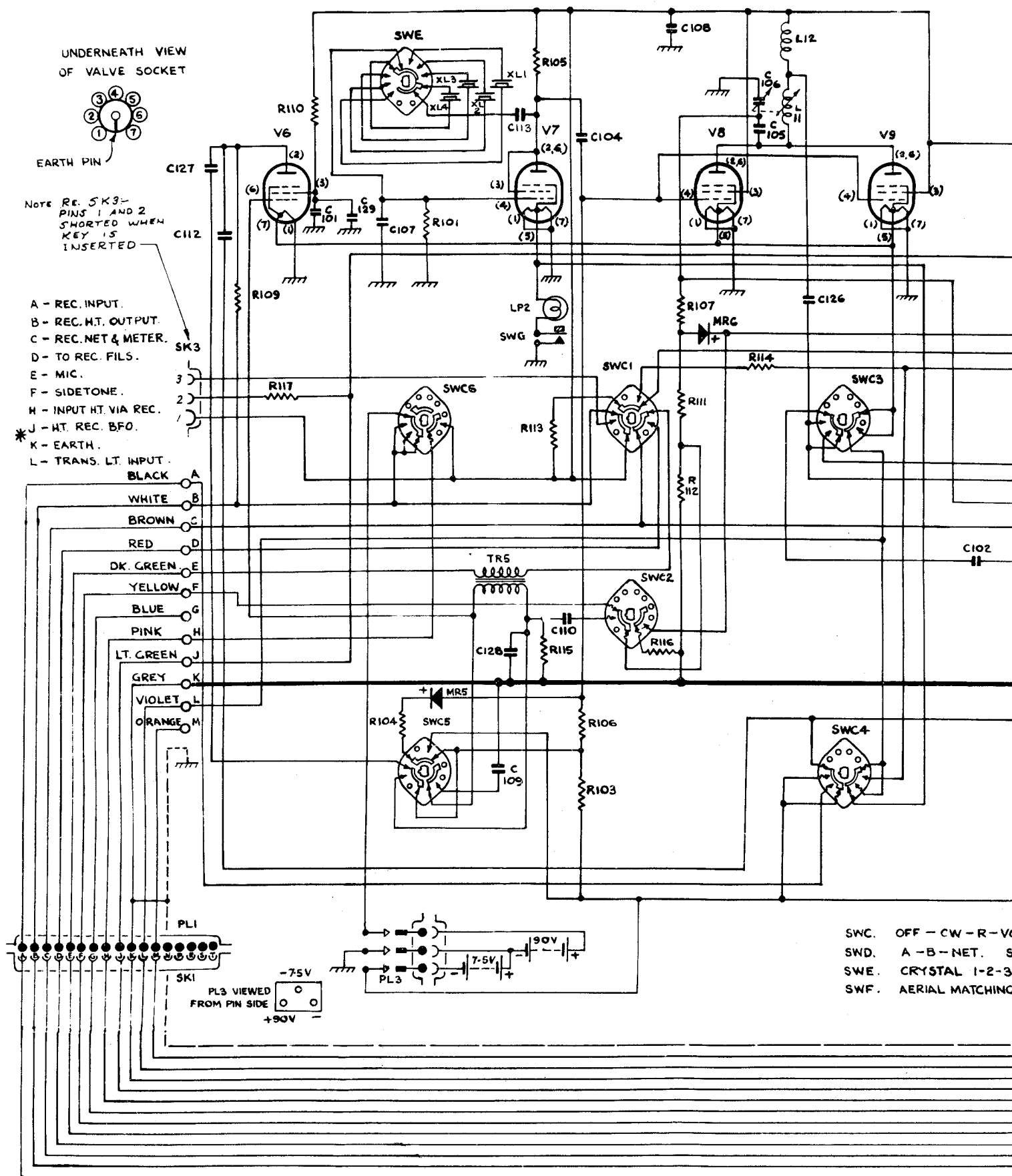
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UNDERNEATH VIEW  
OF VALVE SOCKET

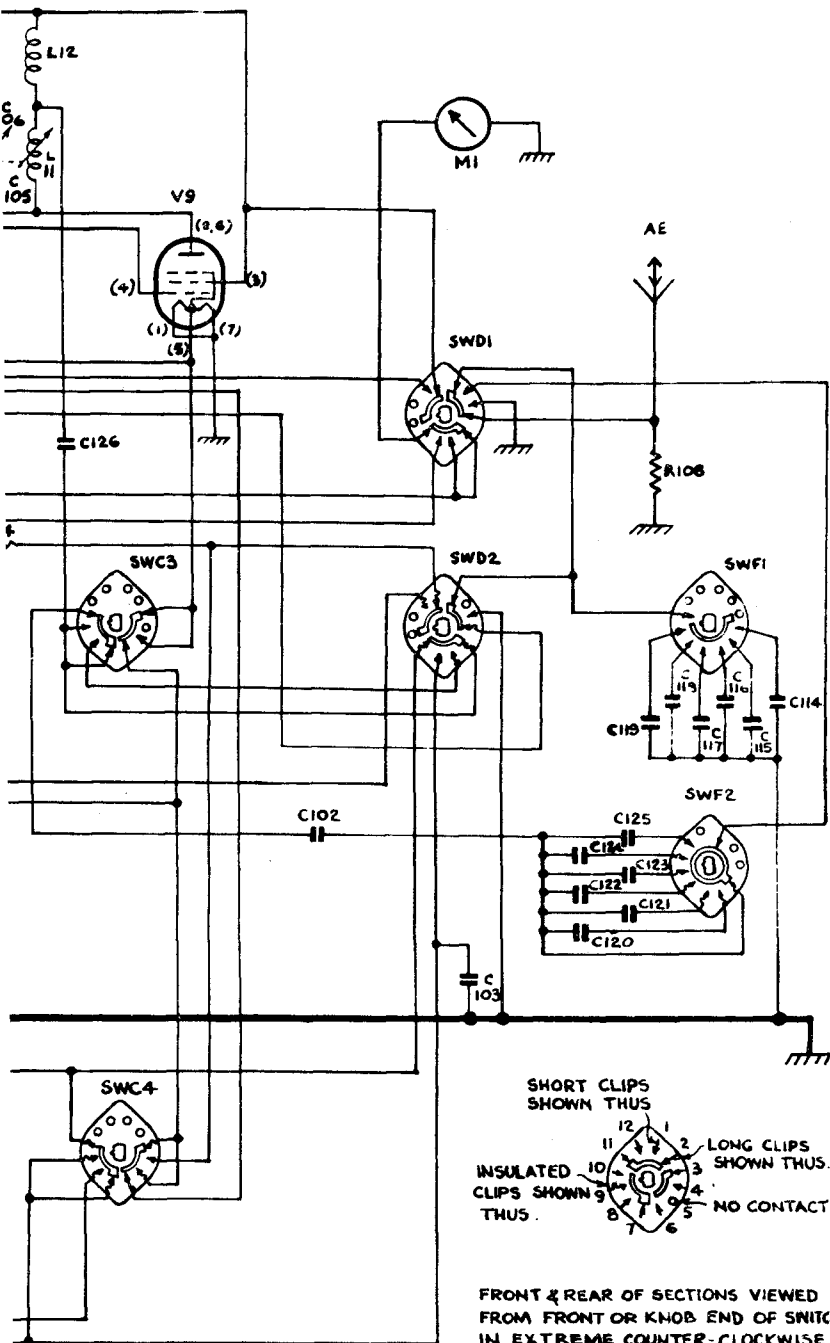
NOTE RE. SK3-  
PINS 1 AND 2  
SHORTED WHEN  
KEY IS  
INSERTED

- A - REC. INPUT.  
B - REC. H.T. OUTPUT.  
C - REC. NET & METER.  
D - TO REC. FILS.  
E - MIC.  
F - SIDETONE.  
H - INPUT HT. VIA REC.  
\* J - HT. REC. BFO.  
K - EARTH.  
L - TRANS. LT. INPUT.

- BLACK A  
WHITE B  
BROWN C  
RED D  
DK. GREEN E  
YELLOW F  
BLUE G  
PINK H  
LT. GREEN J  
GREY K  
VIOLET L  
ORANGE M



RESTRICTED



SWC. OFF - CW - R - VOICE. SHOWN IN "VOICE" POSITION.  
 SWD. A - B - NET. SHOWN IN "A" POSITION.  
 SWE. CRYSTAL 1-2-3-4, SHOWN IN "4" POSITION.  
 SWF. AERIAL MATCHING. SHOWN IN "O" POSITION.

A - AERIAL IN (BLACK)  
 B - HT IN (WHITE)  
 C - LT. OUT (BROWN)  
 D - LT. IN (RED)  
 E - MIC. (DK. GREEN)  
 F - PHONES (YELLOW)  
 H - HT. OUT (PINK)  
 \* J - HET HT IN (LT. GREEN)  
 L - LT. OUT. (VIOLET)  
 K - EARTH (GREY)

\* G & M - NO CONNECTION.

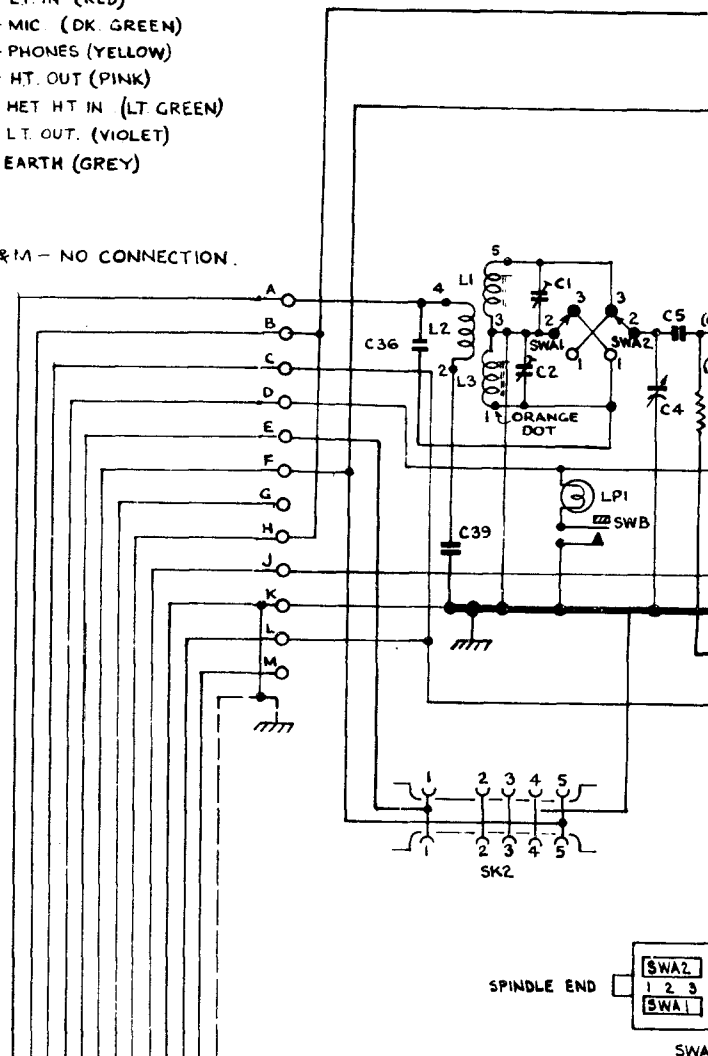


FIG. 1002

E N D

RESTRICTED

