

C1. Trimmer Condenser type TC2A
C2,C4 12 uuF to 400 uuF Variable Condenser
C3, C6
C5
C7
C8, ©10, C 23 ,
C9,C19 0.05 uF 400 Volts Paper Con. 20\% tol.
Cll 8 uF 525 Volt Elec. Con. E El0774
Cl2,ci6 0.01 uF 600 Volts Paper Con. $20 \%$ tol.
C13,014,
Cl5
C17
0.0001 uF 400 Volts Mica Con. 20\% tol.

Cl8
020
C21
C22
R1, R5
R2
R3
R4, R8
R6
R7
R9
R10
R12
16 uF 525 Volts Elec. Con. EElO783
0.0002 uF 400 Volts Mica Con. 20\% tol.
0.1 uF 400 Volts Paper Con. 20\% tol.
0.02 UF 600 Volts Paper Con. $20 \%$ tol.

25 uF 40 Volts Elec. Con. ETl0769
50,000 ohms $\frac{1}{2}$ Watt car. res. $20 \%$ tol. 25,000 ohms 1 Watt Car. res. $20 \%$ tol. 20,000 ohms l Watt car. res. $20 \%$ tol. 1 Megohm $\frac{1}{2}$ Watt car. res. $20 \%$ tol. $\frac{1}{2}$ Megohm Pot. tapped approx. 100,000 ohms 30 ohms 1 Watt Wire Wound res. $5 \%$ tol. 10 Megohm 1 Watt car. res. $20 \%$ tol. 250,000 1. Watt car. res. 20\% tol. $\frac{1}{2}$ Megohm $\frac{1}{2}$ Watt Car. res. $20 \%$ tol.

HEALING 502E/L502E.

Power Supply: 200-250 Volts A.C. 50 Cycles.

Power Consumption: 55 Watts
Frequency Range: 540-1620 Kc/s. Intermediate Frequency: $455 \mathrm{Kc} / \mathrm{s}$. Speaker Transformer Impedance: 5,500 ohms

Dial Lights: 6 Volts . 3 or . 5 amps.

| D.C. Resistance of R.F. Coils |  |  |  |
| :--- | :---: | :---: | :---: |
| Coil | Type | Primary <br> Ohms. | Secondary <br> Ohms. |
| Loop | RJ47 | 0.16 | 0.675 |
| or | or |  |  |
| Aerial | RJII | 50 | 3.5 |
| Osc. | RJ46 | 2.3 | 1.95 |
| Ist. | RJ6A | 7.0 | 7.0 |
| IF. | or |  | 7.0 |
| Rnd. | RJ49A | 7.0 | 7.0 |
| IF. | RJ6C | 7.0 | 7.0 |
|  | or | RJ49C | 7.0 |

Dial Adjustment: If the dial pointer is indicating incorrectly on the stations the trouble may usually be rectified by tuning to one extremity of the dial movement and then to the other. This allows the slider to make contact with two stops on the slider bar. These stops have been adjusted in the factory, so that they correspond exactly with full in/out positions of the gang. Under normal conditions the stops should not require resetting, however, if adjustment is necessary the gang should be fully meshed and the needle set to the line located above and to the left of the $.55 \mathrm{Mc} / \mathrm{s}$ marking and the stops reset.

Positions of Trimmers: The oscillator trimmer is a tubular type trimmer
mounted at the back of chassis.
The padder is a compression type trimer mounted on a 5 lug strip. Aerial trimmer is a compression type trimmer and is mounted on the condenser gans.

| R13,R17 | 1000 ohms $\frac{1}{2}$ Watt carbon resistor $20 \%$ tol. |
| :---: | :---: |
| R14 | 250 ohms l Watt Wire Wound resistor 5\% tol. |
| R15 | 1500 ohms $\frac{1}{2}$ Watt carbon resistor $20 \%$ tol. |
| R16 | 15,000 ohms $\frac{1}{2}$ Watt carbon resistor $20 \%$ tol. |
| R18 | 50,000 ohms Potentiometer |
| R11 | 100,000 ohms $\frac{1}{2}$ Watt carbon resistor $20 \%$ tol. |
| LI | Loop aerial Coil type RJ4l |
| L3 | I.F. Transformer type RJ6A |
| L4 | I.F. Transformer type RJ6C |
| L2 | Oscillator coil type RJ46 |
| L5 | 15 Henries 60 Milli-amp Choke |
| L6 | Aerial Coil type RJll |
| SPI | Speaker, permagnetic, $8^{\prime \prime}$ type 8K |
| SW1 | 2 way, semi-rotary switch |
| T1 | Power Transformer type Rk2 - 60 Milli-amps |
| T2 | Speaker Transformer 5,500 ohms |
| DLI, DL2 | Dial Lights 6.0 Volts 0.3 amp . |

Typical Working Voltages
D.C. measured to chassis, aerial disconnected and no signal input Back bias across resistor R7 - 1.75 Volts


Typical Valve Currents
Milliamps

| Valve | Use | Cathode | Screen | Plate | Osc.Plate | Osc.Gric |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: |
| 6A8G | Osc. Mod. | 8.7 | 3.2 | 2.3 | 2.7 | $.41-.72$ |
| 6U7G | I.F. | 11.3 | 2.25 | 8.4 |  |  |
| 6B6G | Det.AVC | .37 | .38 |  |  |  |
| 6V6GT | 1st A.F. | 2ndA.F. | 40 | 2.3 | 37 |  |
| 5Y3GT | Rectifier |  | Total H.T.Current: 59 M.A. |  |  |  |

