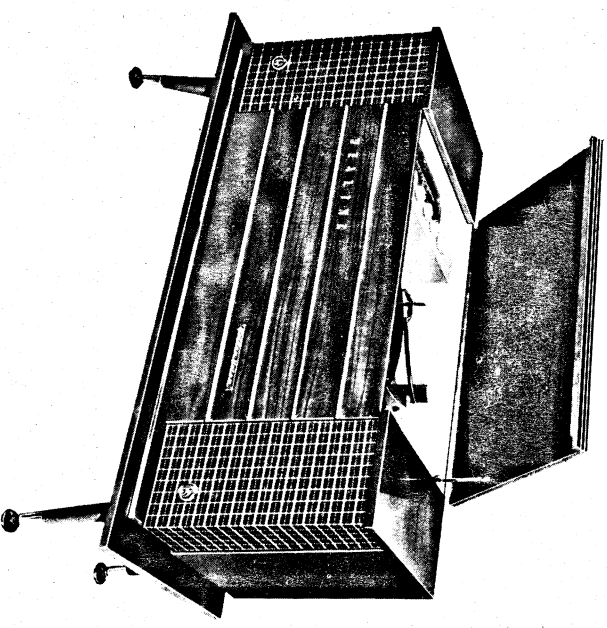


Service Data for the Healing Receiver

MODEL 526S

4 S Valve Superheterodyne Broadcast band receiver, with a 4 speed Stereophonic Record Changer.



- TUNING RANGE:** 525 - 1620 Kc/s
- INTERMEDIATE FREQUENCY:** 455 Kc/s
- MAINS INPUT:** 240 or 250 volts A.C. 50 cps
- POWER CONSUMPTION:** Radio
Operation: 50 watts
Gramo Operation: 70 watts
- SPEAKERS:** 9" x 6" Oval, twin cone - Rola 9-6HX
- VOICE COIL IMPEDANCE:** 15 ohms
- SPEAKER TRANSFORMERS:** 7000/15 ohms Rola Q22
- RECORD CHANGER:** B.S.R. UA14
- PICK UP CARTRIDGE:** TC8S - Diamond Stylus
- VALVE COMPLEMENT:**
6B56 Converter
6N8 I.F. Amplifier - Detector
6GW8 A.F. Amp/Audio Output (Right Channel)
6GW8 A.F. Amp/Audio Output (Left Channel)
6V4 H.T. Rectifier

ALIGNMENT PROCEDURE

I.F. ALIGNMENT:

Both cores in the I.F. Transformers may be adjusted from the valve side of the chassis by the use of a hexagonal Q plus alignment tool type AT12.

1. Set ganged condenser C2/C3 to minimum capacity.
2. Inject 455 Kc/s modulated 30% at 400 c/s to aerial section of ganged condenser.
3. Adjust I.F. Transformers T4, T3 in that order for maximum output.
4. Repeat step 3.

NOTE:

It will be found possible to obtain two peaks when adjusting the position of the cores in the I.F. Transformer. The correct setting is that where the cores are the furthest apart.

AERIAL AND OSC. ALIGNMENT:

Initial Adjustment — with gang fully in mesh. Set dial pointer exactly under dot on low frequency end of dial.

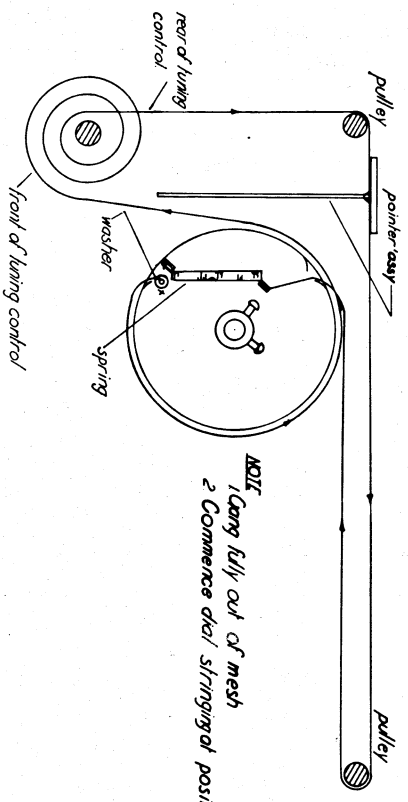
USE OF SIGNAL GENERATOR:

Modulation to be 30% at 400 c/s. The signal generator output should be kept as low as possible consistent with a readable signal, the receiver volume control being set for maximum output.

SUMMARY OF ALIGNMENT FREQUENCIES

Adjust	Circuit No.	Alignment Frequency
Osc. Coil	T2	Station at Low frequency end of the dial.
Osc. Trimmer	C5	Station at High Frequency end of the dial.
Aerial Coil	T1	600 Kc/s
Aerial Trimmer	C4	1400 Kc/s

DIAL CORD ARRANGEMENT

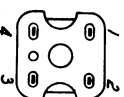


HEALING MODEL 526S

D.C. RESISTANCE OF INDUCTORS

Inductor	Part No.	Primary		Secondary	
		Ohms	Connections	Ohms	Connections
Aerial B.C. Oscillator B.C.	R1172	44	1-2	4	3-4
	R1773	.4	1-2	1.8	3-4
	1st I.F. 2nd I.F.	R1163 R1163	18 18	1-2 1-2	18 18

COIL CONNECTIONS

Aerial Coil
R1172Osc Coil
R1773
Viewed From Terminal EndI.F. Coil
R1163

TYPICAL VALVE CURRENTS

Milliamps

Where possible current is read on H.T. side of the Valve Element Load or Dropping Resistor

Valve	Use	Cathode	Screen	Plate	Osc. Grid
6BE6	Conv.	10	7.4	1.9	0.7
6N8	I.F.	11	3	8	
‡ 6GW8	A.F. Amp.	.3	-	.3	
‡ 6GW8	Audio Output	19	3	16	
‡ 6GW8	A.F. Amp.	.3	-	.3	
‡ 6GW8	Audio Output	19	3	16	
Total H.T. Current 60 M/A					

CHASSIS REMOVAL:

1. Remove power plug from wall socket.
2. Unplug speaker plug and P.U. plug.
3. Disconnect power lead, speaker earth lead and aerial lead.
4. Pull off knobs.
5. Remove one screw (No. 10 Self Tapper x $\frac{1}{8}$ " long) in wood block on bottom front of chassis. Support chassis in hand and remove two screws (No. 10 Self Tapper x $\frac{1}{4}$ " long) at top rear of cabinet.
6. Ease chassis from bracket rearwards off its mounting block.

CHASSIS REPLACEMENT:

1. Push chassis upwards until front bracket is located on block.
2. Fit two rear screws loosely and position chassis correctly with relation to dial.
3. Tighten rear screws and fit front screw.

IMPORTANT: Be sure to reconnect speaker earth lead.**RECORD CHANGER REMOVAL:**

1. Pull out the P.U. plug on the radio chassis and disconnect the gramophone power lead.
2. Push two transistor retaining clips into vertical position.

The record changer unit may now be removed from the cabinet.

CAUTION:

1. Do not remove chassis or gramophone unit without first disconnecting power plug from wall socket.
2. Do not connect power to receiver if speaker plug is removed.