

SERVICE DATA FOR HEALING RADIO

RECEIVER MODEL 35B

TUNED R.F. 3 VALVE RECEIVER WITH
REACTION

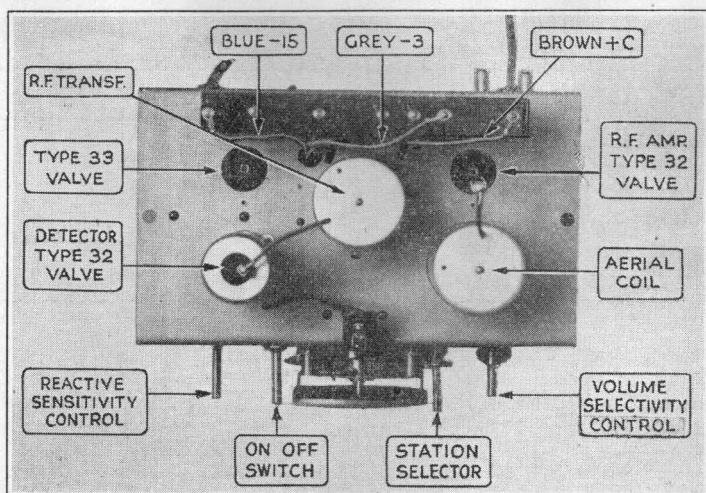


Diagram showing Chassis layout

VALVES:—

32 R.F. Amplifier

32 Reactive Detector

33 Power Pentode

PILOT LAMP:—

3.5 V. .15 Amps.

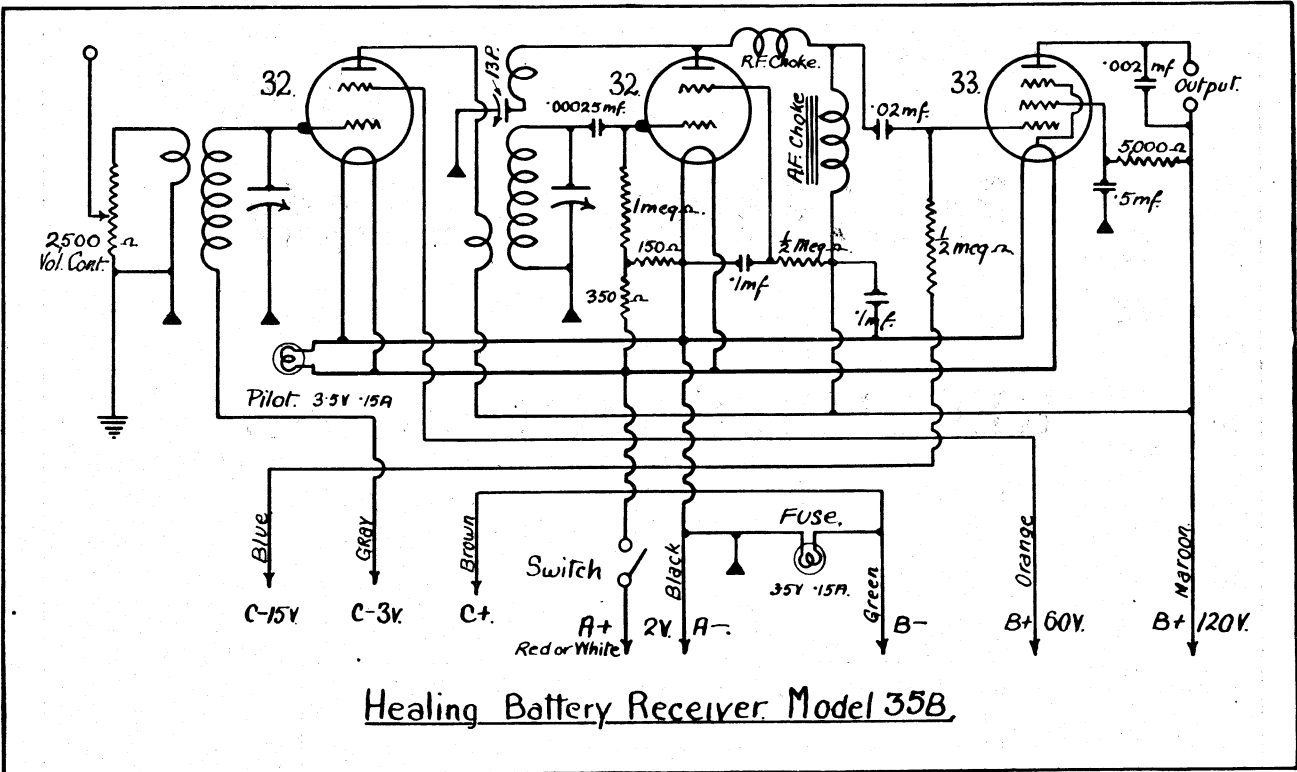
Miniature Lamps

FUSE:—

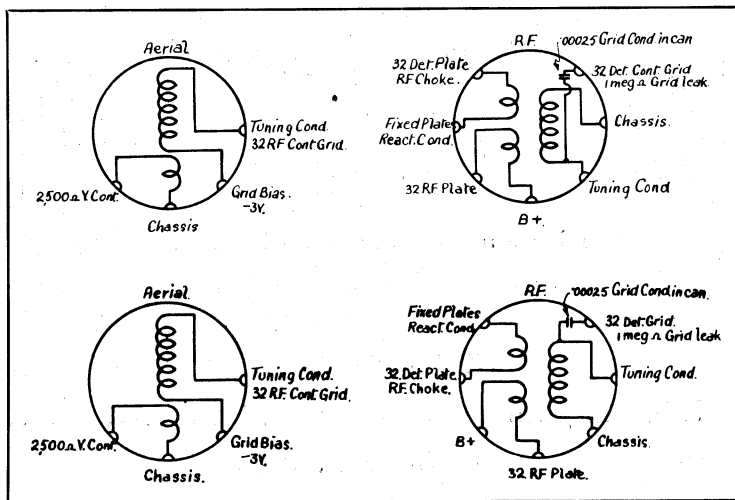
3.5 V. .15 Amps.

HEALING

Service Data for Receiver Model 35B



Circuit Diagram of Model 35B.



Coil Winding Connections Viewed from Inside of Chassis.

The two methods used of wiring the R.F. Coil for Model 35B are illustrated above.

HEALING

Service Data for Receiver Model 35B

POWER SUPPLY.

- 2 Volt "A" Battery.
- 120 Volt "B" Battery.
- 15 Volt "C" Battery.

BATTERY CONNECTION COLOUR SCHEME.

- | | |
|-----------------|-----------------|
| A+Red or white. | B+120 V. Maroon |
| A—Black | C+Brown |
| B—Green | C—3 Grey |
| B+60 V. Orange | C—15 Blue |

For Battery connection procedure see instructions for Model 35B.

A. BATTERY CURRENT.

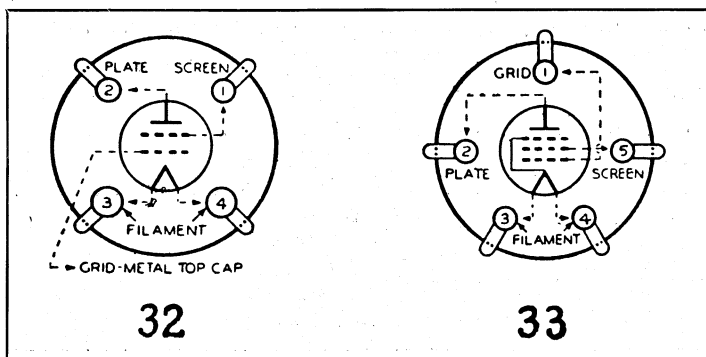
.38 Amp. + dial light approx. .1A at 2V.

B. BATTERY CURRENT.

10 M.A.

VALVES.

Make sure the valves are in good condition, of the correct type, and are properly fitted into the correct sockets before operation.



Valve Connections Viewed from Bottom of Socket.

VALVE VOLTAGES.

Valves.	Filament.	Grid Bias.	Screen.	Plate.
32 R.F.	2 (A)	3 (A)	60 (C)	120 (C)
32 Det.	2 (A)		17 (C)	112 (C)
33	2 (A)	Reads 4V. on (C)	120 (C)	118 (C)

Grid leak return to .6 volts positive from chassis.

All the voltages given above are those indicated when using a 1000 ohm per volt meter.

Scales: 0—10 (a)—50 (b)—250 (c)—750 (d) volts.

Meters of different resistance will not indicate similar readings at the points measured.

HEALING

Service Data for Receiver Model 35B

SPEAKER.

The magnetic dynamic speaker is matched to the power valve, and the input is connected across the filament pins of the four-pin plug. Make sure the plug is connected to the receiver before operation.

OPERATION.

See Model 35B operation instructions under "Tuning."

The controls from left to right are:—

Reaction Sensitivity Control.

On-off Switch.

Station Selector.

Volume Selectivity Control.

LINING.

The condenser unit trimmers from the control end are:—

Aerial Trimmer.

R.F. Trimmer.

This receiver is not likely to require alignment except where the trimmers have been tampered with or altered in some other way.

Using a 1400 K.C. input to the aerial circuit, adjust the trimmers to give maximum output. Check for correct band coverage.

DIAL.

See "General Service Notes."

Read carefully the instructions for installation and operation of the Model 35B.

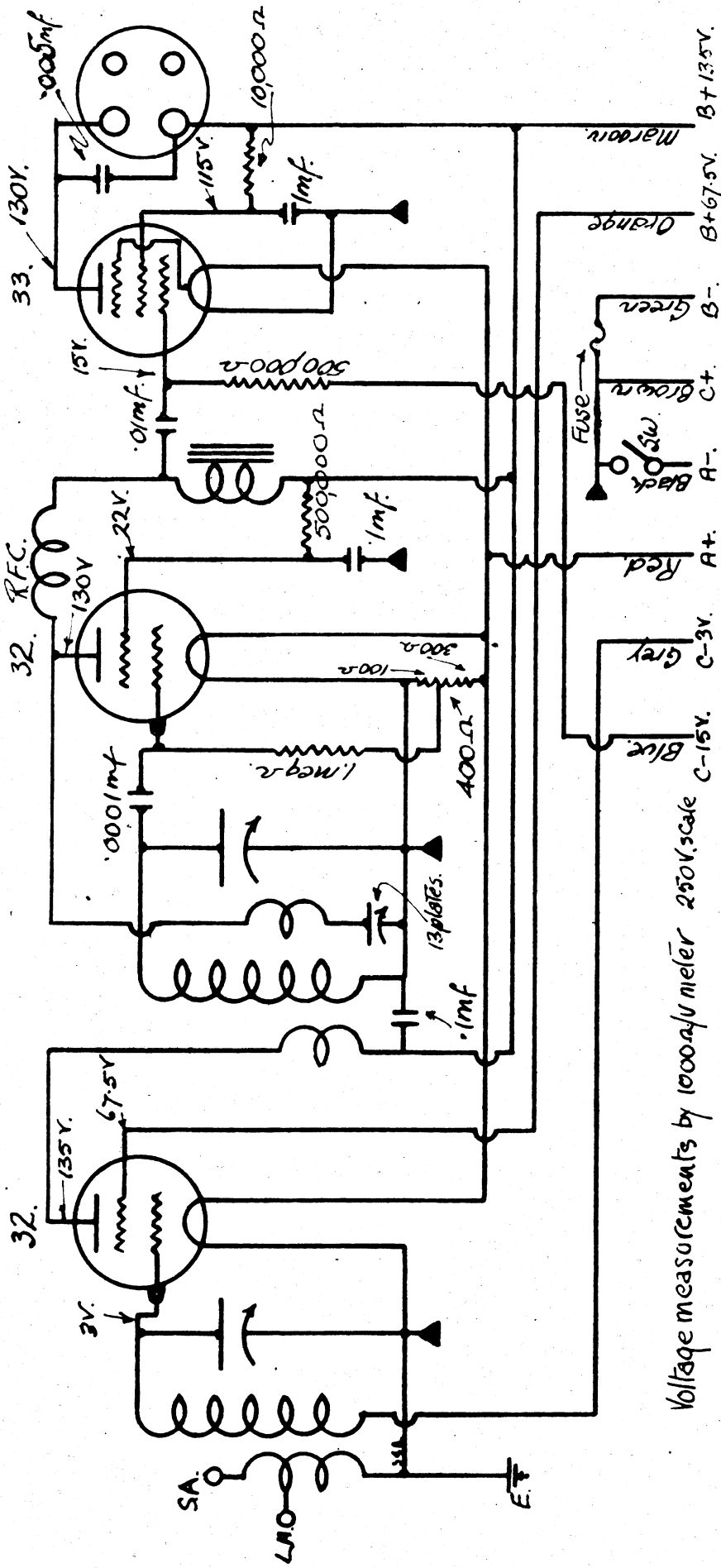
POSSIBLE FAULTS.

See "General Service Notes."

NOTES:

HEALING

Circuit Diagrams of 1934 Receivers



Voltage measurements by 1000μv meter 250V scale

Model 34B.