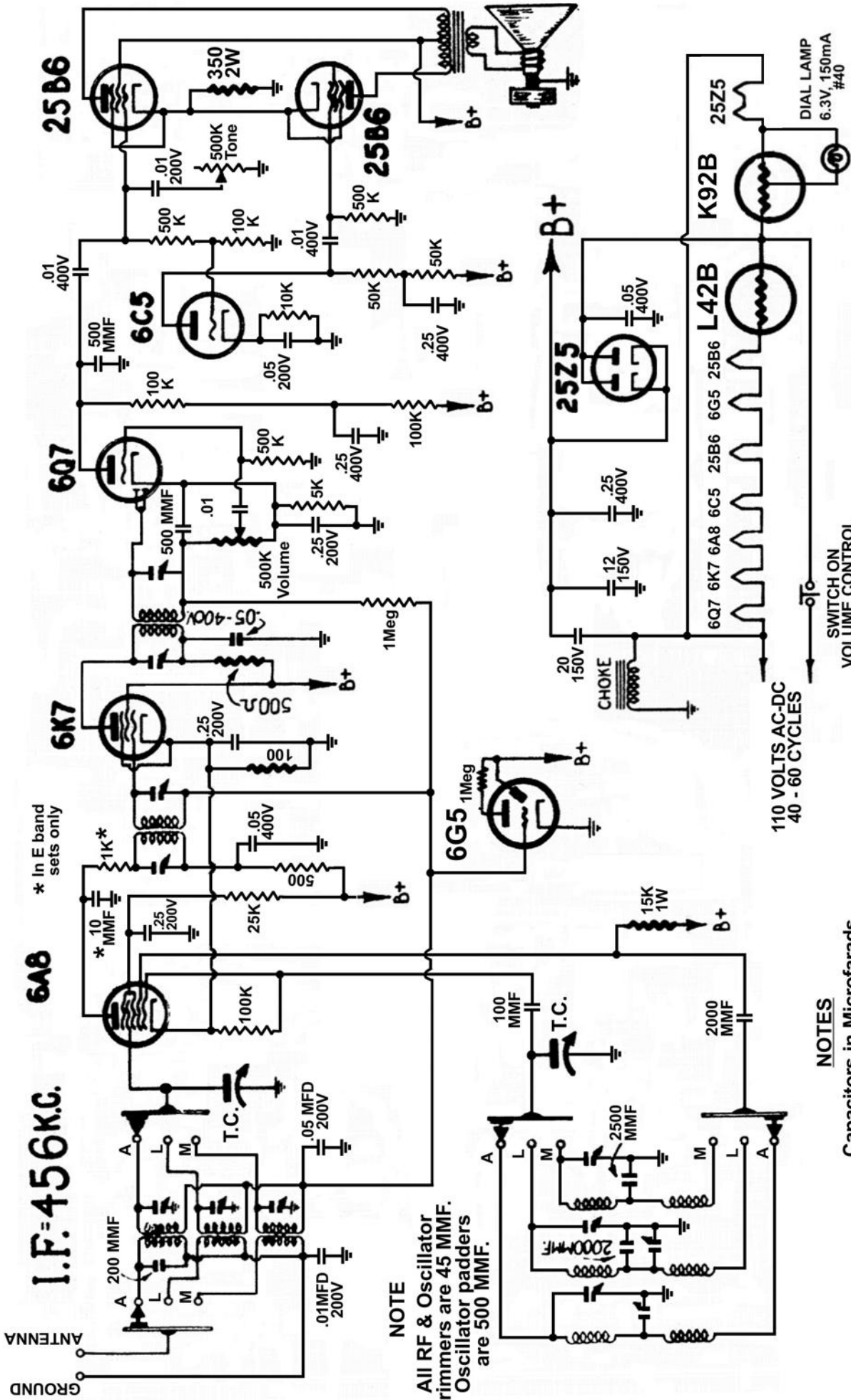


ANTENNA
GROUND

I.F. = 456K.C.

6A8

* In E band sets only

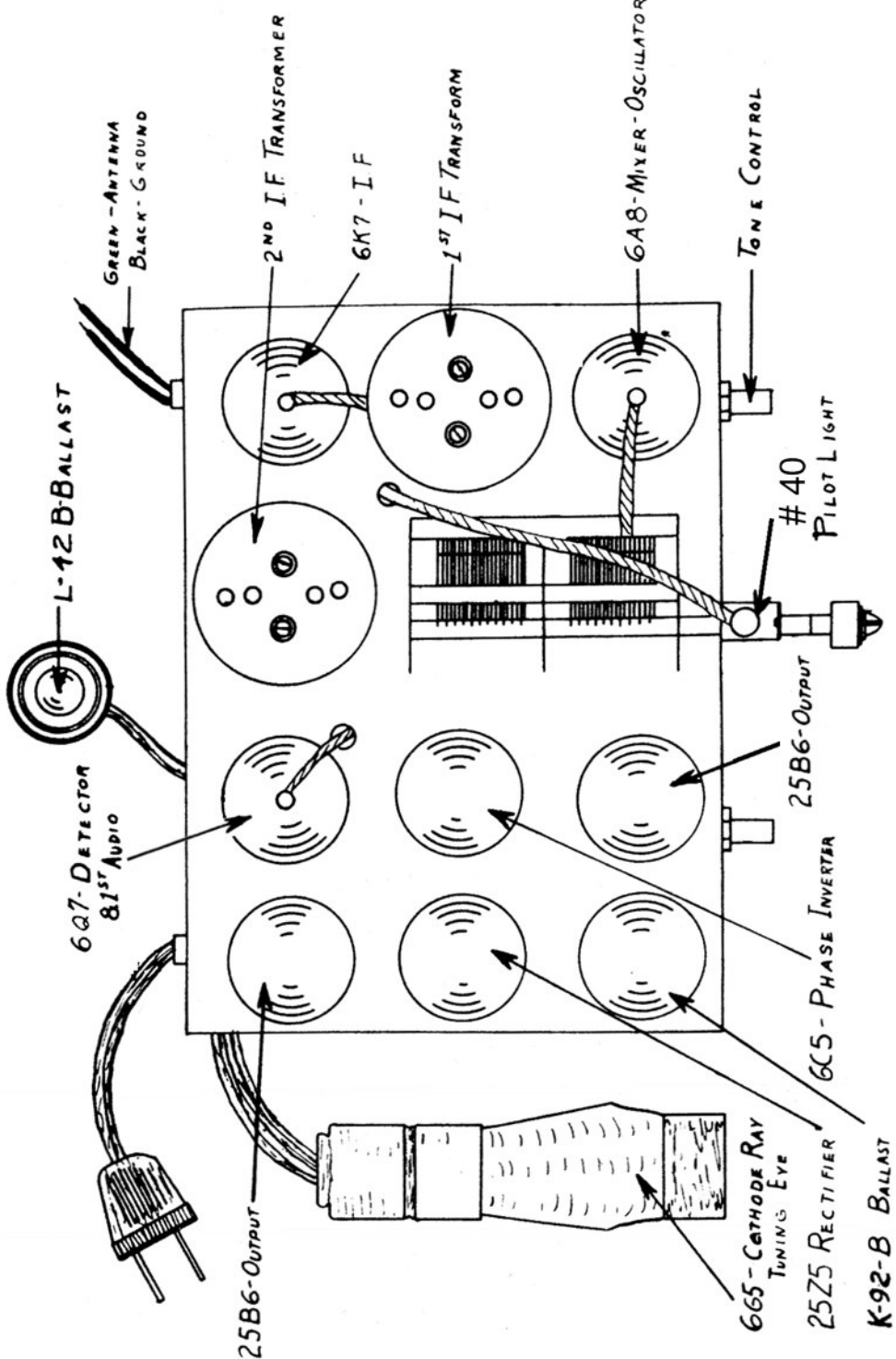


MIDWEST CHASSIS
10-38 AC-DC

Revised April 2, 2014
Mike Simpson

NOTE
All RF & Oscillator trimmers are 45 MMF.
Oscillator padders are 500 MMF.

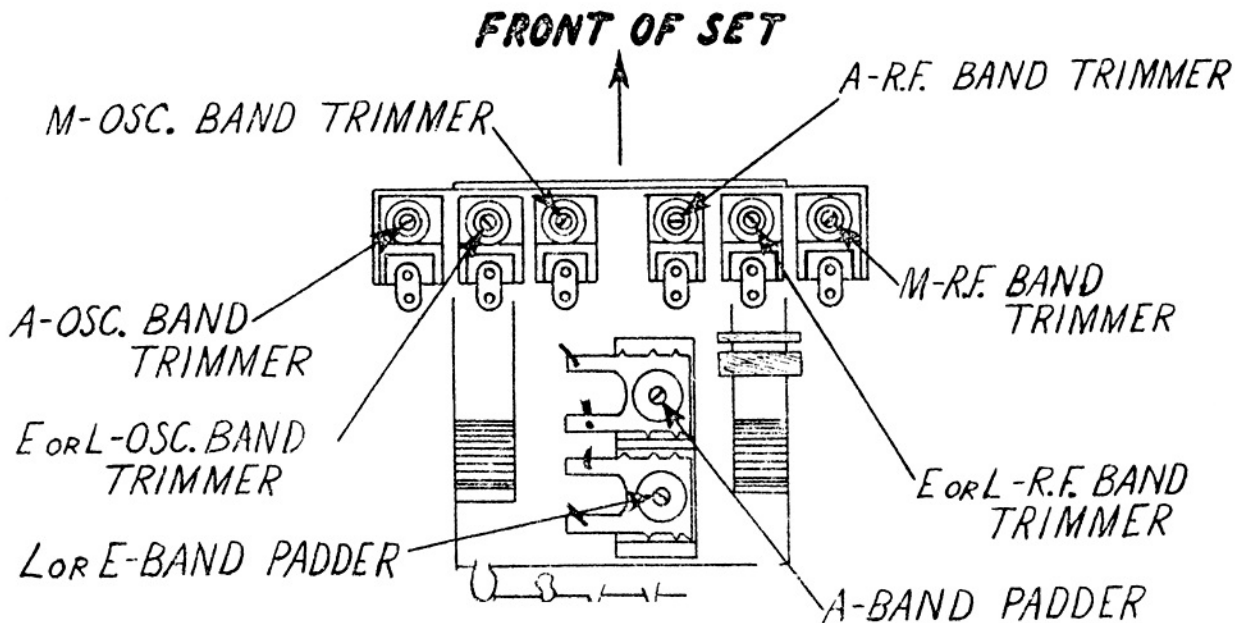
NOTES
Capacitors in Microfarads.
Resistors in Ohms.
In sets having long wave band, the E (long wave) band coil replaces the L band coil.
The L band fixed padder is not used. The variable padder is 140 MMF.



**MIDWEST 10-38 AC-DC
TUBE PLACEMENT**

Revised November 23, 2014

Mike Simpson



Note: Voltages taken with no signal input
Volume control set to minimum.

TUBE	PLATE	SCREEN	SUPPRESSOR	CATHODE	HEATER
6A8 Mixer-Osc.	54* 94	50	.2	1	5.6
6K7 I.F. Amp.	90	94	1	1	5.6
6Q7 2nd Det.	30			.6	5.6
6C5 Phase Inv.	42			2.2	5.6
25B6 Outputs	90	94		16	22
25Z5 Rectifier	94				22
K92B Ballast	85 V. drop				
L42B Ballast	34 V. drop				
6G5 Tuning Eye	94				5.6

* Plate #2

All voltages taken with 110 V. line voltage and 1000 ohm per volt meter.

MIDWEST CHASSIS 10-38 AC-DC TUBE PLACEMENT & VOLTAGES

Revised May 17, 2021

Mike Simpson

INSTRUCTIONS FOR ALIGNING THE 1938 MIDWEST

7-8-9-10 DOMESTIC AC-DC SETS
6-7-8-9- EXPORT AC-DC SETS
7-8 BATTERY SETS

INTERMEDIATE FREQUENCY ALIGNMENT

The I.F."s should be peaked at 456 kc. for maximum output. Connect signal generator grid of 6A8 tube leaving grid cap on tube. Use smallest possible input consistent with a readable output.

BAND ALIGNMENT

Inside band "A", covers from 550 to 1700 kc. This band should be padded at 600 kc. and trimmed at 1400 kc. Radio Frequency trimmer should be adjusted at 1400 kc. for maximum gain.

Middle band "L", covers from 1.7 to 5.5 megacycles. This band should be padded at 1.8 mc. and trimmed at 4.3 mc. The R.F. trimmer should be adjusted at 5.3 mc. for maximum gain.

Note:- On EXPORT sets the above band is called "E" and covers 125 kc. to 350 kc. Pad at 135 kc. and trim at 340 kc. Adjust R.F. trimmer at 340 kc. for maximum gain.

Outside band "M", covers from 5.5 mc. to 18 mc. This band has a fixed padder and should be trimmed at 13 mc. Adjust R.F. trimmer at 13 mc. for maximum gain.

Note:- When aligning bands a dummy antenna, consisting of a 200 ohm resistance and 10 mmfd. condenser in parallel, should be connected in series with output of signal generator.