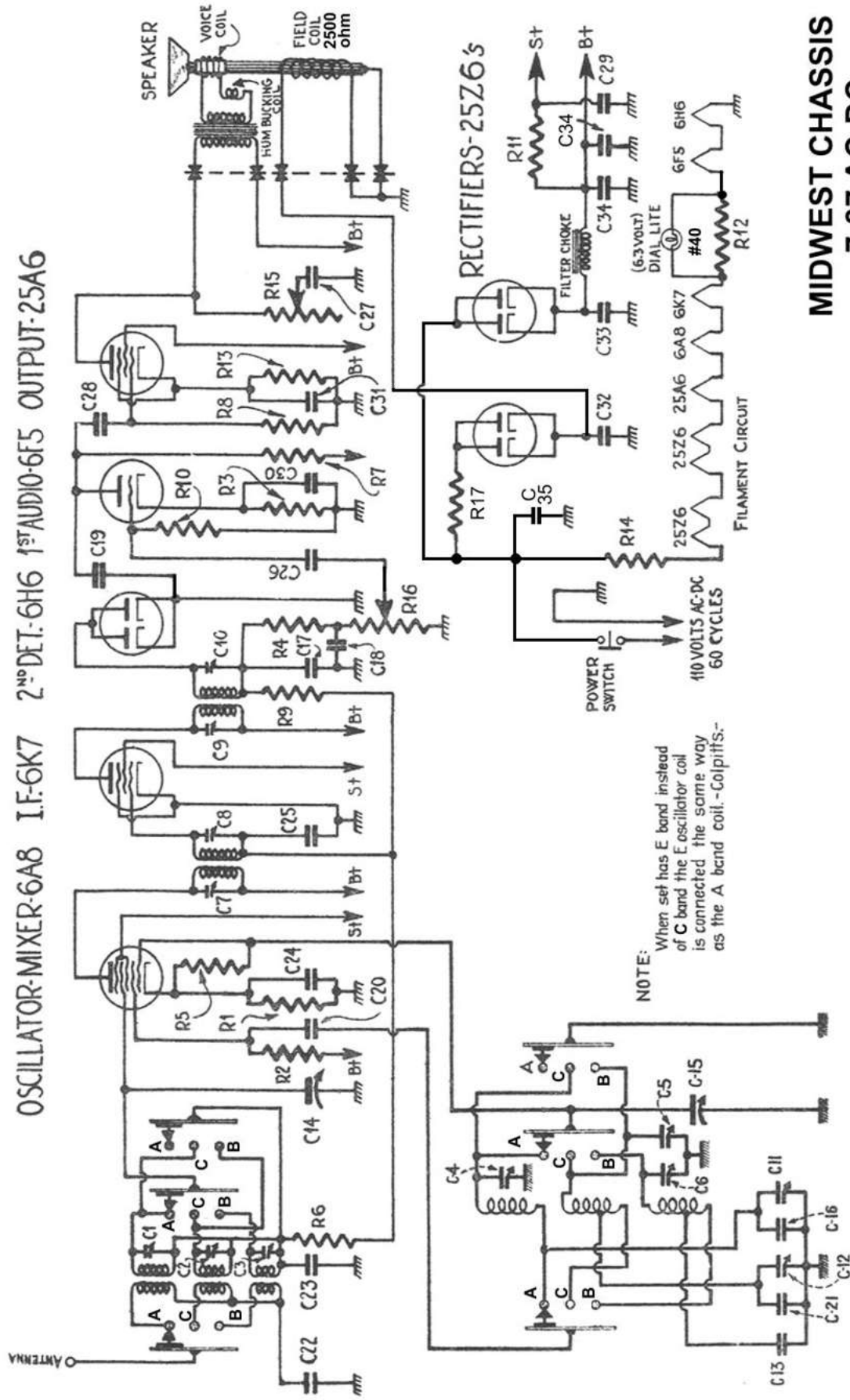


OSCILLATOR-MIXER-6A8 I.F.-6K7 2ND DET.-6HG 1ST AUDIO-6F5 OUTPUT-25A6



NOTE: When set has E band instead of C band the E oscillator coil is connected the same way as the A band coil. -Colpitts-

- CAUTION -

Note that this is a hot chassis one side of the AC line connects to chassis

MIDWEST CHASSIS
7-37 AC-DC

Revised July 26, 2014

Mike Simpson

CONDENSERS

C1	35MMFD. TRIMMERS	C13	300MMFD. PADDER	C25	.05MFD. 200 VOLT
C2	"	C14	450MMFD. TUNING CONDENSER	C26	"
C3	"	C15	"	C27	"
C4	"	C16	100 MMFD. MICA	C28	"
C5	"	C17	250 MMFD. MICA } DUAL	C29	.25MFD. 400 VOLT
C6	"	C18	"	C35	.05 MFD 400VOLT
C7	I.F.	C19	250 MMFD. MICA		
C8	"	C20	2000MMFD. "		
C9	"	C21	1250MMFD. "		
C10	"	C22	.01MFD. 200 VOLT		
C11	350MMFD. PADDER	C23	.05MFD. 200 VOLT		
C12	"	C24	"		

C30 10. MFD. 25 VOLT-DRY
 C31 12. MFD. " "
 C32 20. MFD. 175 VOLT-WET
 C33 " " "
 C34 " " "
 C35 .05 MFD 400VOLT

ELECTROLYTIC

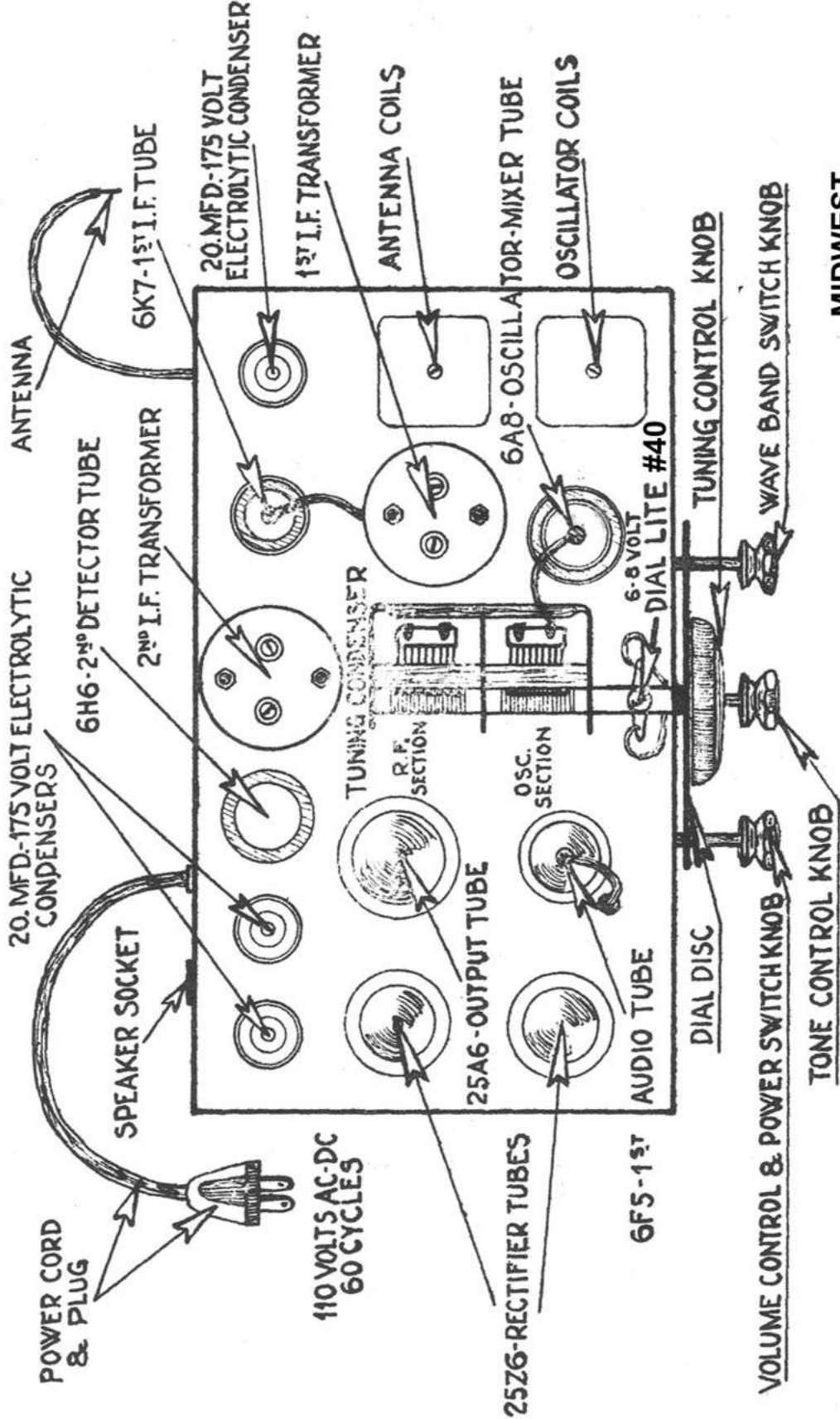
RESISTORS

R1	100 OHMS	.25 WATT	R13	500 OHMS	1. WATT
R2	10,000 OHMS	"	R14	28 OHMS	2 WATT
R3	2000 OHMS	"	R15	500,000 OHM	1. WATT
R4	25,000 OHMS	"	R16	500,000 OHM	TONE CONTROL
R5	200,000 OHMS	"	R17	42 OHM	VOLUME "
R6	500,000 OHMS	"			
R7	"	"			
R8	"	"			
R9	1 MEGOHM	"			
R10	3 MEGOHM	"			
R11	15000 OHMS	.1. WATT			
R12	21 OHMS	1. WATT			

R17 42 OHM 1 WATT
 WIRE WOUND

**MIDWEST CHASSIS
 7-37 PARTS LIST**
 Revised July 24, 2014

Mike Simpson



MIDWEST
CHASSIS 7-37 AC-DC
 Revised November 28, 2012
Mike Simpson

÷ NOTE ÷
 Do NOT use a ground wire with this set.

THE MIDWEST RADIO CORP.

Cincinnati, Ohio.

LIST OF TUBE VOLTAGES OF
1937 MODEL 7 TUBE RECEIVER AC -DC

ALL TESTS MADE WITH NO SIGNAL INPUT

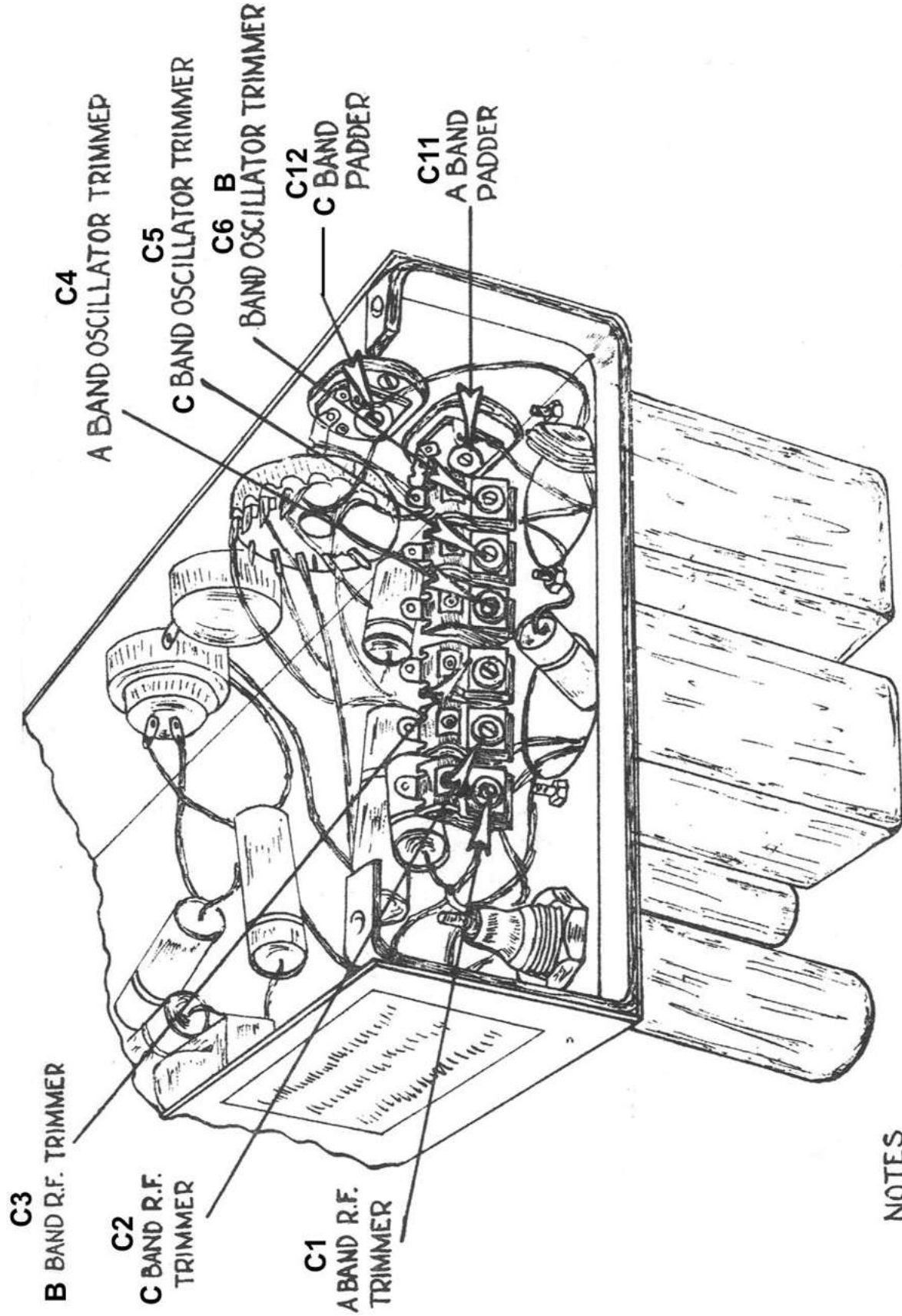
TYPE	POSITION	PLATE VOLTS	SCREEN VOLTS	SUPP. VOLTS	CATHODE VOLTS	FIL VOLTS
6A8	(Mixer (Osc.	120 100	80	0	.6	5.3
6K7	1st I.F.	120	80	0	0	5.3
6H6	2nd Det.	0	-	-	0	5.3
6F5	1st Audio	50	0	0	0.3	5.3
25A6	Output	120	120	0	15	25
25Z6 B+ SUPPLY	Rect.	115 AC	-	-	136	25
25Z6 FIELD SUPPLY	Rect.	115AC	-	-	120	25

Line Voltage 115 Volts 60 cycles. No signal applied.

Vacuum Tube Volt Meter used on all measurements from chassis ground
Voltages plus or minus 15% depending on line voltage.

MIDWEST
CHASSIS 7-37 AC-DC
Revised July 24, 2014

Mike Simpson



NOTES

I.F. Frequency 456 KC

**MIDWEST
CHASSIS 7-37 AC-DC**

Revised July 24, 2014

Miles Simpson

INSTRUCTIONS FOR ALIGNING THE MIDWEST 7-37 AC-DC RECEIVER

A good signal generator with accurate frequency calibration and an output meter are required. An intermediate frequency of 456 k.c. is used.

- (1) Set the signal generator to 456 k.c.
- (2) Be sure that set is not tuned to a station.
- (3) Connect the output meter from the plate of the output tube to positive B.
- (4) Using a moderately weak signal approximately 60 microvolts, align the two I.F. transformers to maximum gain.
- (5) Keep decreasing the oscillator input and realigning for maximum gain

This completes the alignment of the I.F. amplifier.

Connect the signal generator between antenna and ground. Connect mixer grid lead to grid of mixer tube.

- (1) Set the wave change switch to the "A" band.
- (2) Set the signal generator to 1490 k.c.
- (3) Adjust the "A" oscillator trimmer to maximum gain, then adjust the "A" band mixer trimmer for maximum gain.
- (4) Reset the signal generator to 550 k.c. and rotate the receiver dial to 550 k.c.
- (5) Adjust the "A" band padder for maximum signal.
- (6) Repeat the adjustment of trimmers and padders until the adjustment of one does not effect the adjustment of the other.

This completes the alignment of the "A" band.

- (1) Set the wave change switch to the "B" band.
- (2) Set the signal generator to 12 m.c.
- (3) Adjust the "B" oscillator trimmer to maximum gain then adjust the "B" band mixer for maximum gain.

This completes the alignment of the "B" band.

Revised July 24, 2014

INSTRUCTIONS FOR ALIGNING THE MIDWEST 7-37 AC-DC RECEIVER

SHORT WAVE RECEIVER

- (1) Set the wave change switch to the "C" band.
- (2) Set the signal generator to 4 m.c. Set dial at 75.
- (3) Adjust the "C" oscillator trimmer to maximum gain adjust the "C" band mixer trimmers for maximum gain
- (4) Reset the signal generator to 2 m.c. and rotate the receiver dial to 16.
- (5) Adjust the "C" band paddler for maximum signal.
- (6) Repeat the adjustment of trimmers and padders until the adjustment of one does not effect the adjustment of the other.

This completes the alignment of the "C" band S.W.

LONG WAVE RECEIVER

- (1) Set the wave change switch to the "E" band.
- (2) Set the signal generator to 325 k.c.
- (3) Adjust the "E" oscillator trimmer to maximum gain, then adjust the "E" band mixer trimmers for maximum gain.
- (4) Reset the signal generator to 150 k.c. and rotate the receiver dial to 150 k.c.
- (5) Adjust the "E" band paddler for maximum signal.
- (6) Repeat the adjustment of trimmers and padders until the adjustment of one does not effect the adjustment of the other.

This completes the alignment of the "E" band L.W.

Revised July 24, 2014

Mike Simpson