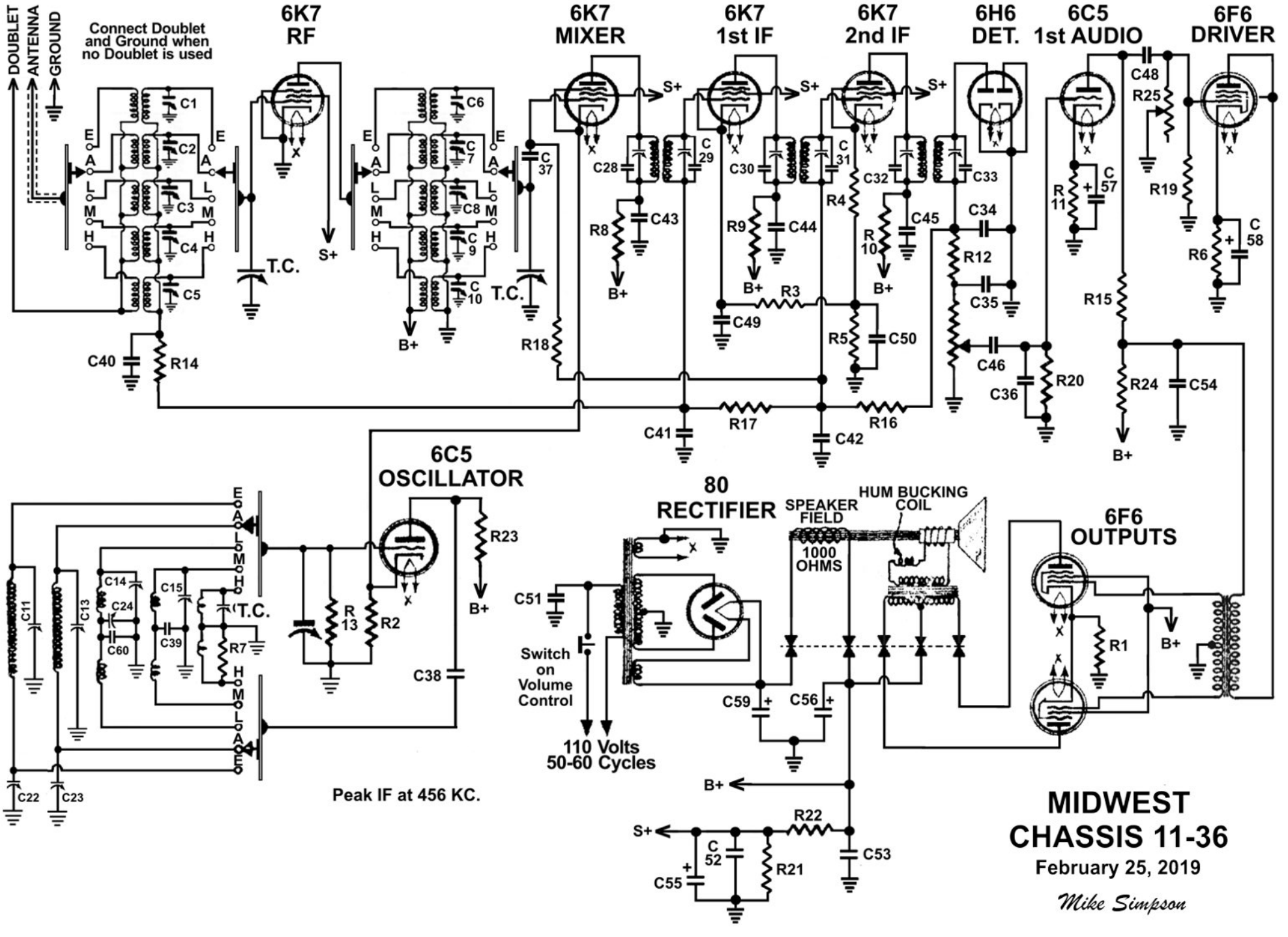
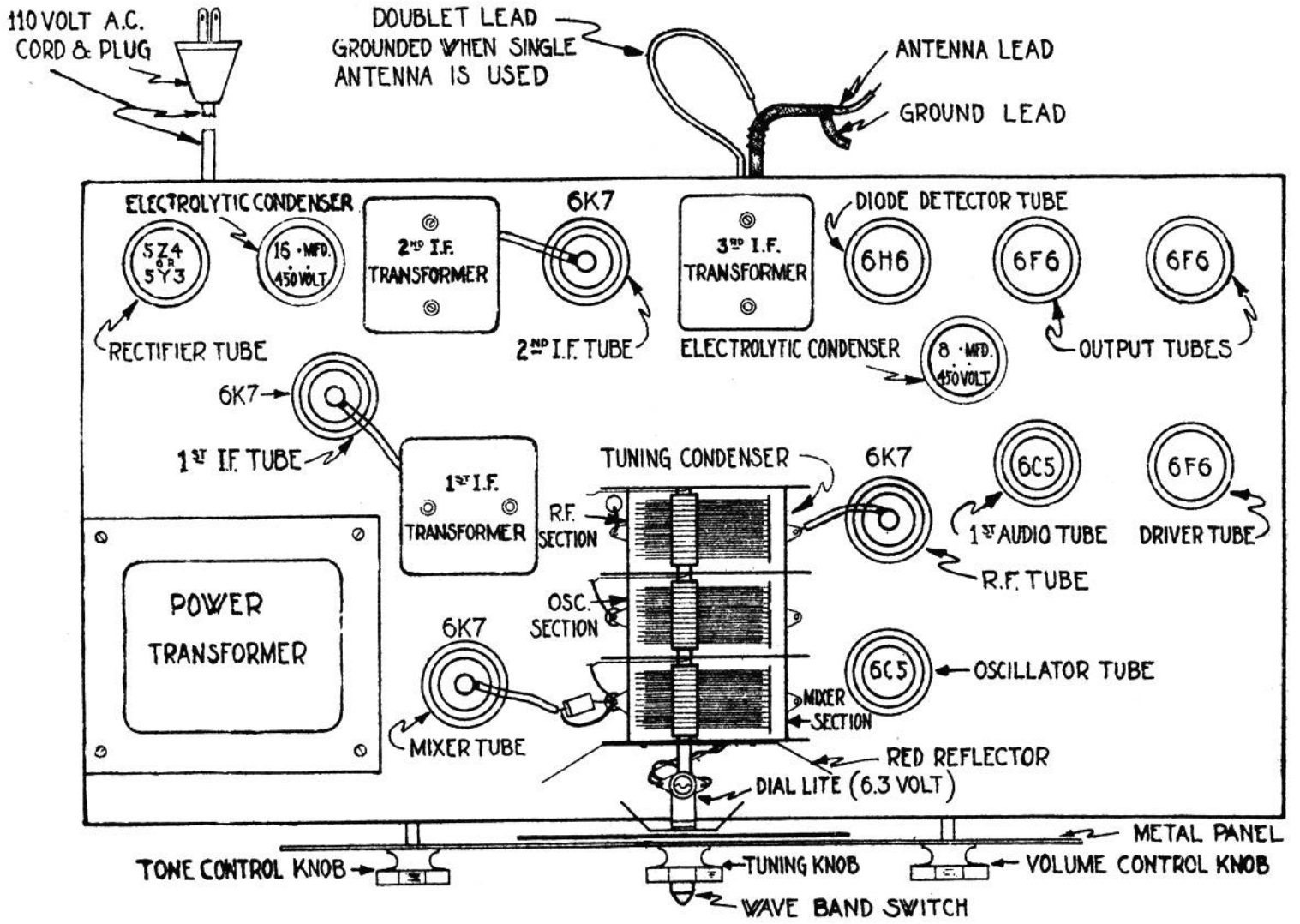

DOUBLET
ANTENNA
GROUND
Connect Doublet and Ground when no Doublet is used
6K7 RF
6K7 MIXER
6K7 1st IF
6K7 2nd IF
6H6 DET.
6C5 1st AUDIO
6F6 DRIVER
6C5 OSCILLATOR
80 RECTIFIER
SPEAKER FIELD
1000 OHMS
HUM BUCKING COIL
6F6 OUTPUTS
T.C.
S+
B+
Switch on Volume Control
110 Volts 50-60 Cycles
Peak IF at 456 KC.
MIDWEST
CHASSIS 11-36
February 25, 2019
Mike Simpson



FRONT OF SET

MIDWEST
CHASSIS 11-36
Tube Placement

ALL TESTS MADE WITH NO SIGNAL INPUT							
TYPE	POSITION	PLATE VOLTS	SCREEN VOLTS	SUPP. VOLTS	CATHODE VOLTS	GRID VOLTS	FIL. VOLTS
6K7	R.F.	290	100	0	0	AVC	6.3
6K7	Mixer	260	100	2	2	AVC	6.3
6C5	Osc.	200	---	--	2	---	6.3
6K7	1st I.F.	240	100	3.5	3.5	AVC	6.3
6K7	2nd I.F.	240	100	3.5	3.5	AVC	6.3
6H6	2nd Det	---	---	---	---	---	6.3
6C5	1st. A.F.	100	---	---	2.5	---	6.3
6F6	Driver	160	Tied to Plate	---	20	---	6.3
6F6	Output	240	240	---	16	---	6.3
6F6	Output	240	240	---	16	---	6.3
5Z4	Rect.	330 AC per plate					5.0

1000 ohm per volt meter used for all D.C. measurements from ground.
Volta es plus or minus 15% depending on line voltage.
Voltages are same where "G" tubes are used in the receiver.

CONDENSERS

C1 THRU C15	35 MMFD - TRIMMER
C16 THRU C21	- IF TRIMMER
C22	70 MMFD - PADDER
C23	350 MMFD - PADDER
C24	700 MMFD - PADDER
C25 THRU C27	365 MMFD - T.C Tuning Cap.
C28 THRU C33	75 MMFD - MICA
C34 THRU C36	100 MMFD - MICA
C37	250 MMFD - MICA
C38, C39	3000 MMFD - MICA
C40	.01 MFD - 200V
C41 THRU C45	.05 MFD - 400V

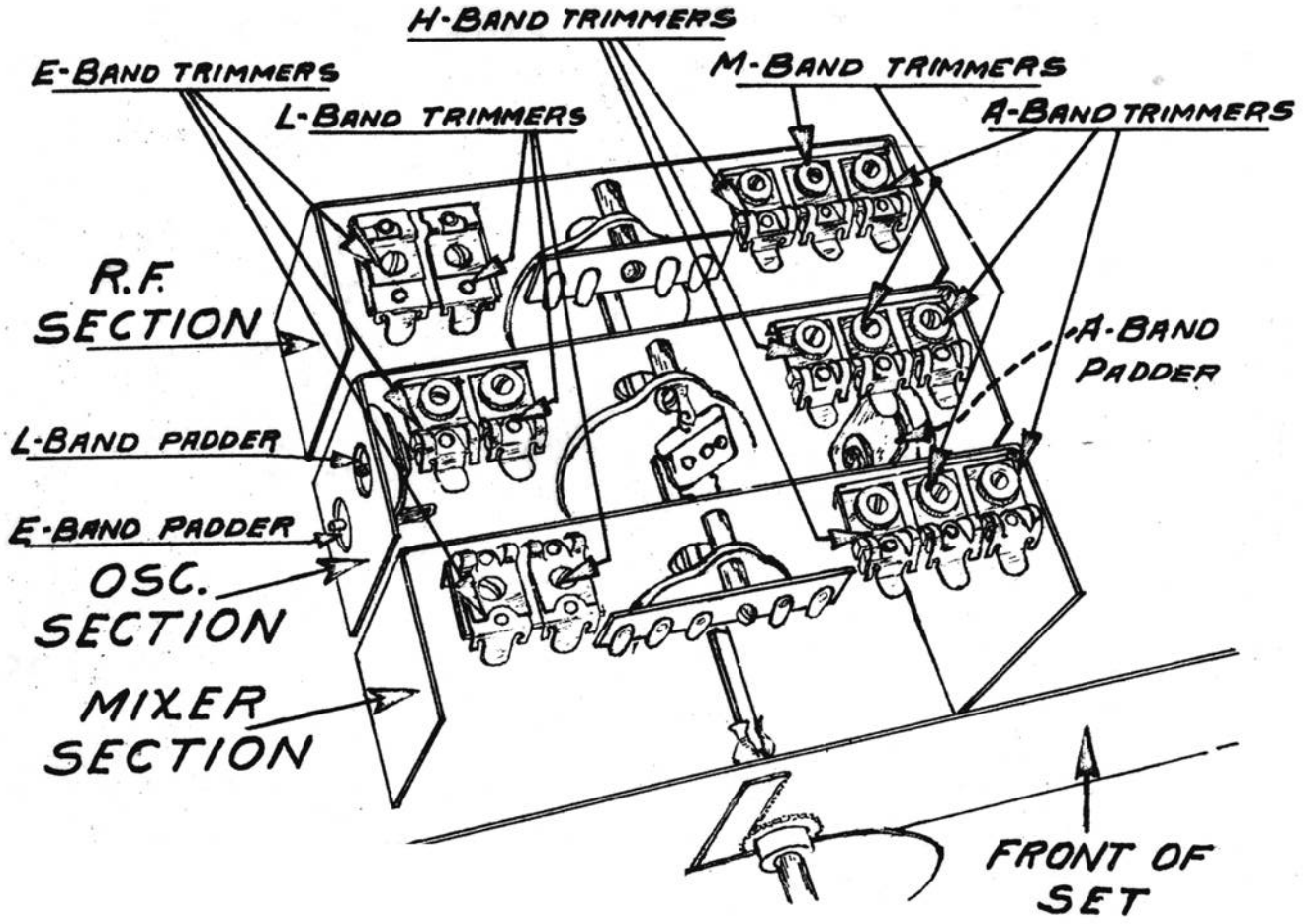
C40	.01 MFD - 200V
C41 THRU C45	.05 MFD - 400V
C46, C47	.05 MFD - 200V
C48	.05 MFD - 400V
C49 THRU C51	.05 MFD - 200V
C52 , C53	.25 MFD - 400V
C54	1 MFD - 250V
C55	2 MFD - 150V
C56	8 MFD - 450V
C57, C58	12 MFD - 25 V
C59	16 MFD - 450V
C60	500 MMFD - MICA

RESISORS

R1	350 OHMS - 2 W FLEX
R2	500 OHMS - .25 W
R3 THRU R6	1,000 OHMS - .25 W
R7	2,000 OHMS - .25 W
R8 THRU R11	5,000 OHMS - .25 W
R12	25,000 OHMS - .25W
R13,R15	100,000 OHMS - .25 W

R16 THRU R19	500,000 OHMS - .25 W
R20	3 MEGOHM - .25 W
R21	31,000 OHMS - .5 W
R22	50,000 OHMS - .5 W
R23, R24	15,000 OHMS - 1 W
R25	50,000 OHM TONE CONTROL
R26	500,000 OHM VOLUME CONTROL

MIDWEST
CHASSIS 11-36
VOLTAGES &
PARTS LIST
Re-drawn May 20, 2020
Mike Simpson



MIDWEST
CHASSIS 11-36
RF Adjustment locations

INSTRUCTIONS ON ALIGNING THE MIDWEST 11 - 37 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. and connect it from the mixer grid to ground.

(2) Remove the oscillator tube from the receiver.

(3) Connect the output meter from the plate of the output tube to positive B.

(4) Using a moderately weak signal approximately 40 microvolts, align the three I.F. transformers to maximum output.

(5) Keep decreasing the oscillator input and realigning for maximum gain.

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

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

(1) Set the wave change switch to the "E" band.

(2) Set the signal generator to 325 k.c., and also the dial.

(3) Adjust the "E" oscillator trimmer to maximum gain, then adjust the "E" band R.F. and the "E" band mixer trimmers for maximum gain.

(4) Reset the signal generator to 135 k.c. and rotate the receiver dial to 135 k.c.

(5) Adjust the "E" 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 "E" band.

(1) Set the wave change switch to the "A" band.

(2) Set the signal generator to 1490 k.c.

Continued

(4) Reset the signal generator to 550 k.c. and rotate the 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 "L" band.

(2) Set the signal generator to 3.8 m.c.

(3) Adjust the "L" oscillator trimmer to maximum gain, then adjust the "L" band R.F. and the "L" band mixer trimmers for maximum gain.

(4) Reset the signal generator to 1.6 m.c. and rotate the receiver dial to 1.6 m.c.

(5) Adjust the "L" 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 "L" band.

(1) Set the wave change switch to the "M" band.

(2) Set the signal generator to 11.5 m.c.

(3) Adjust the "M" oscillator trimmer to maximum gain, then adjust the "M" band R.F. and the "M" band mixer trimmers for maximum gain.

This completes the alignment of the "M" band.

(1) Set the wave change switch to the "H" band.

(2) Set the signal generator to 28 m.c.

(3) Adjust the "H" band oscillator trimmer to maximum gain, then adjust the "H" band R.F. and the "H" band mixer trimmers for maximum gain.

This completes the alignment of the "H" band.