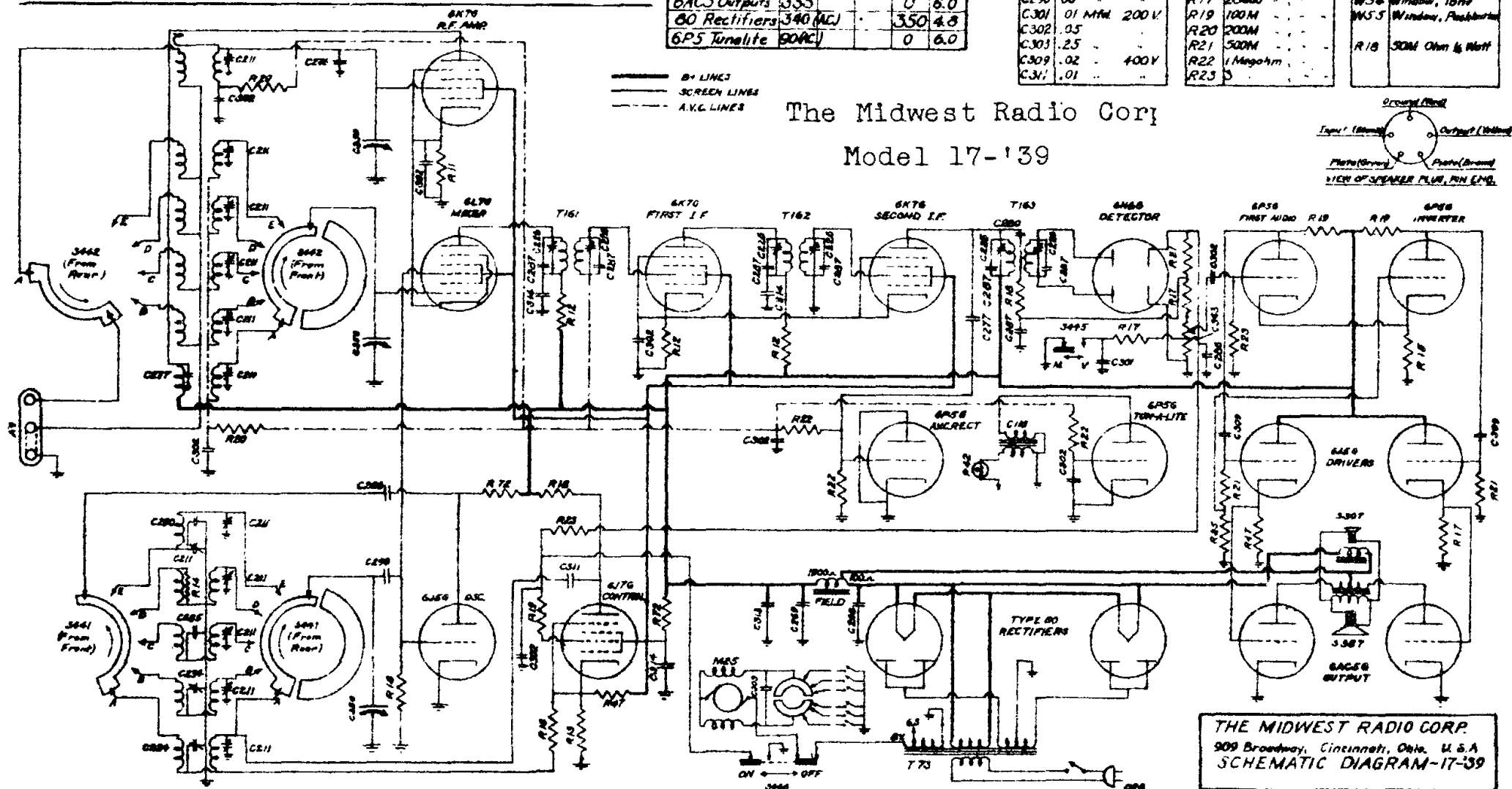


OPERATING VOLTAGES

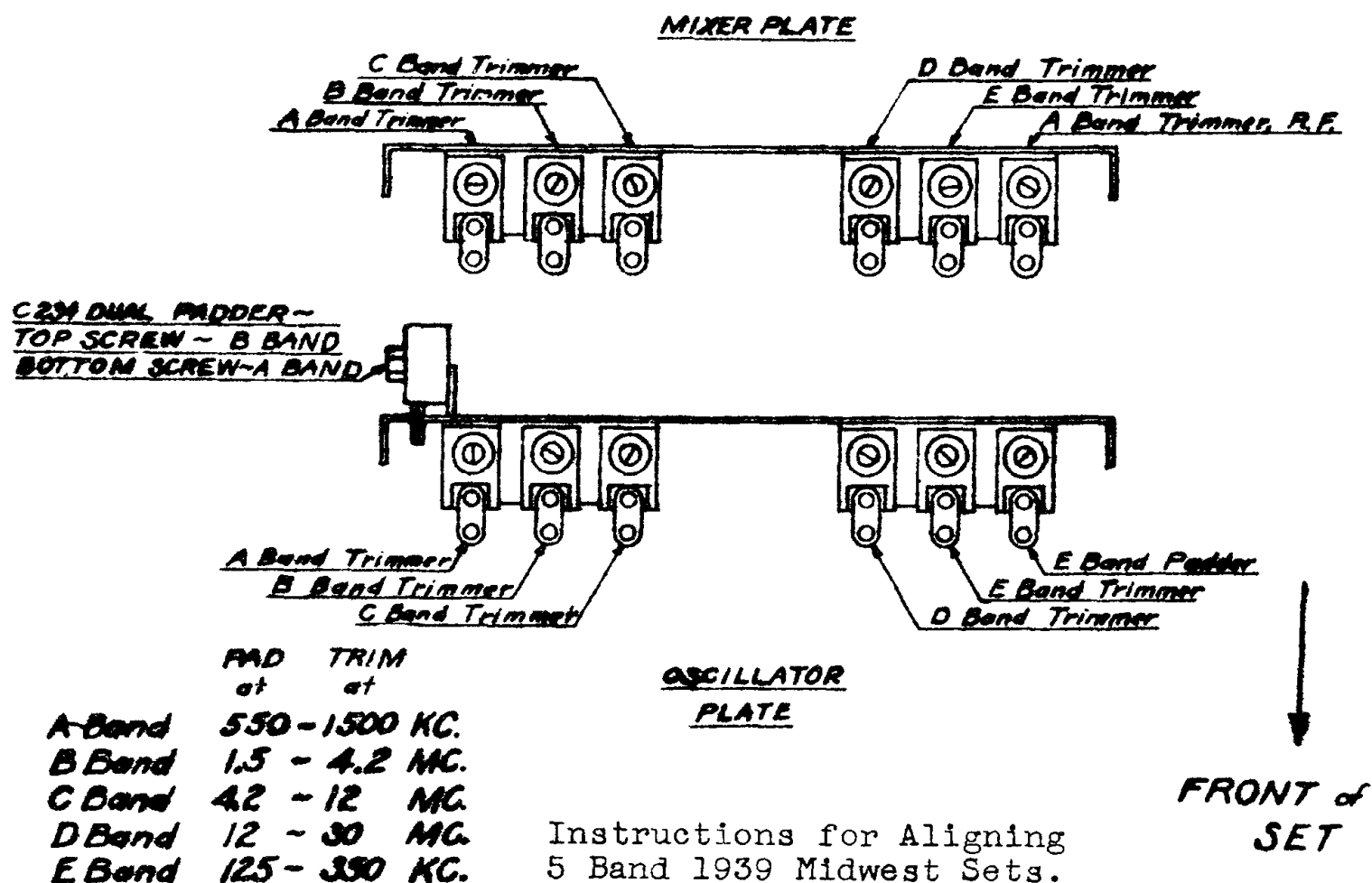
No Signal. Volume Control Turned Off. Motor Switch In Off Position. Line Voltage 117 Volts, 60 Cycles. Meter Used - 20000 Ohms per Volt.

TUBE	PLATE	SCREEN	SUP.	CATH.	HEATER
6K7 R.F.	245	85	2.4	2.4	6.0
6L7 Mixer	245	85		2.4	6.0
6J5 Osc.	140			0	6.0
6J7 Control	200	85	4.4	4.4	6.0
6K7 1st I.F.	245	85	4.4	4.4	6.0
6K7 2nd I.F.	245	85	4.4	4.4	6.0
6P5 AVC Rect.	0				6.0
6H6 2nd Def.	0				6.0
6P5 1st A.F.	150			9.2	6.0
6P5 Inverter	150			3.2	6.0
6J5 Drivers	245			10	6.0
6AC5 Outputs	335			0	6.0
60 Rectifiers	340 (AC)			350	4.8
6P5 Tunelite	300 (AC)			0	6.0

A8	Antenna Strip	C303	25Mfd 400V.	R23	40M Ohm 1/2 W.
B26	Brush Holder	C314	.05	R47	25M Ohm 1/2 W.
B27	Brush Clip	C350	3Gang Variable	R48	15M
B28	Brush Contact	C363	Control, Volume, W3	R72	15M
C26	Cable & Plug, A.C.	C401	Fish Line Cord	S307	Speaker, 3 1/2"
C116	Tune-Lite Trans.	D3	Dial Background	S319	Spring, Dial Tm.
C145	Commutator Dish	D4	Dial, Glass	S387	Speaker, 12 in.
C406	Commutator Sprocket	K24	Knob, 1 inch	S441	Coil Switch, Osc.
C211	3 Gang Trimmer	K25	Knob, 2 inch	S442	Coil Switch, R.F.
C220	I.F. Padder	M25	Motor	S443	Switch Clicker
C234	Osc. Padder	P9	Panel, Molded	S445	Tone Switch
C260	24MFD. 300V.	P42	Pilot Light 3.2V	S446	Motor Switch
C269	40 MFD. 350V	P46	Pilot Light 6-8V	T73	Power Trans'former
C276	10 MMFD Mica	PS9	Perforator Slide	T161	1st I.F. Trans.
C277	25	R11	200 Ohm, 1 Watt	T162	2nd I.F. Trans.
C280	100	R12	500	T163	3rd I.F. Trans.
C285	2000	R13	1000	W51	Window, Tuning
C286	3000	R14	2000	W52	Window, Volume
C287	200	R15	5000	W53	Window, Motor
C290	60	R17	25000	W54	Window, Tone
C301	01 MFD. 200V	R19	100M	W55	Window, Pushbutton
C302	.05	R20	200M	R18	50M Ohm 1/2 Watt
C303	.25	R21	500M		
C309	.02		400V		
C311	.01				



The Midwest Radio Corp. Models 12 & 17 1939 Trimmers and Padders



Remove the oscillator tube. Peak I.F.'s at 456 KC. for maximum gain, while AFC is off. Receive a signal from generator, turn on AFC. If tuning is disturbed, realign secondary side of AFC transformer. Re-adjust trimmer across the primary of the AFC transformer until maximum AFC voltage is developed. May be measured with voltmeter from cathode of 6J7 AFC control tube to ground.

Band "A" 550 to 1500 KC. Padded at 550 KC. and trimmed at 1400 KC. R.F. and mixer trimmers should be adjusted at 1400 KC.

Band "B" 1.5 to 4.2 MC. This band should be padded at 1.7 MC., and trimmed at 4.0 MC.

Band "C" 4.2 to 12.0 MC. This band has a fixed padder and should be trimmed 11.0 MC.

Band "D" covers from 12 MC to 30 MC. This band has a fixed padder and should be trimmed at 29 MC. Adjust R.F. and mixer trimmers for maximum gain at 29 MC.

Band "E" covers from 125 to 350 KC. (long wave). This band should be padded at 135 KC. and trimmed at 340 KC.

A dummy antenna, consisting of a 200 ohm resistor and 10 mmfd. condenser in parallel, should be connected in series with output of signal generator.