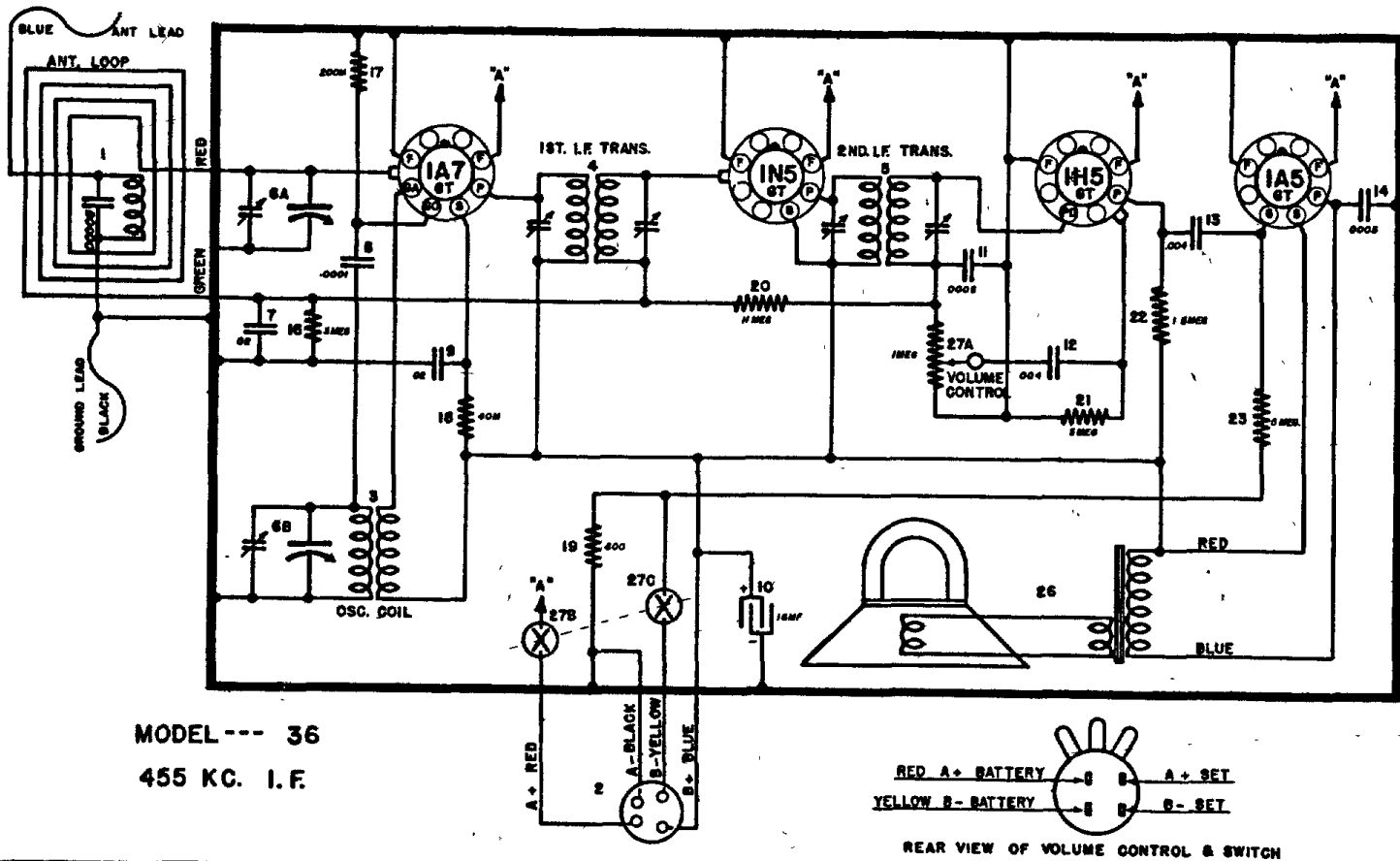


THE CROSLEY CORP.
MODEL 36AM



REAR VIEW OF VOLUME CONTROL & SWITCH

TUBE SOCKET VOLTAGE READINGS (MEASURED FROM SOCKET PIN TO CHASSIS)	
	PIN NUMBER
6X4	1
6X4	2
6X4	3
6X4	4
6X4	5
6X4	6
6X4	7
6X4	8
6X4	9
6X4	10
6X4	11
6X4	12
6X4	13
6X4	14
6X4	15
6X4	16
6X4	17
6X4	18
6X4	19
6X4	20
6X4	21
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6X4	23
6X4	24
6X4	25
6X4	26
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6X4	30
6X4	31
6X4	32
6X4	33
6X4	34
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6X4	36
6X4	37
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6X4	40
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6X4	48
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6X4	50
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6X4	64
6X4	65
6X4	66
6X4	67
6X4	68
6X4	69
6X4	70
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6X4	83
6X4	84
6X4	85
6X4	86
6X4	87
6X4	88
6X4	89
6X4	90
6X4	91
6X4	92
6X4	93
6X4	94
6X4	95
6X4	96
6X4	97
6X4	98
6X4	99
6X4	100

Tube	Function	PIN NUMBER							
		No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
1A7-GT	Oscillator-Modulator	—	1.5	86	46	Neg.	86	—	—
1N5-GT	I-F Amplifier	—	1.5	86	86	—	J.B.	—	—
1H5-GT	Detector & 1st A-F Amp.	—	1.5	12	—	—	—	—	—
1A5-GT	Output	—	1.5	84	86	4.3*	—	—	J.B.

Power Output approximately 200 milliwatts. "A" Battery Drain approximately .20 Ampere at 1.5 Volts.
 "B" Battery Drain approximately 9.0 Milliampere at 90 Volts. *Measured across item 19. J.B.=Junction Block.

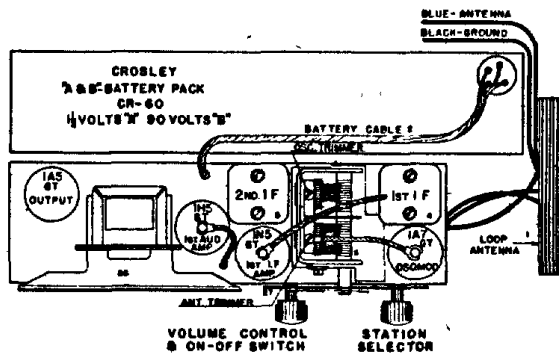


Fig. 1

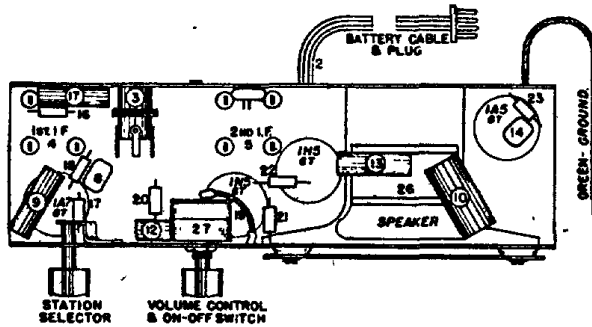


Fig. 2

All the circuits in this receiver are very accurately adjusted at the factory and normally should need no further adjustment. However, if it is definitely known that an adjustment is necessary, the circuits can best be properly aligned with the use of a modulated signal generator and an output meter.

CONNECTING OUTPUT METER

Connect the output meter across the "P" and "S" terminals of the 1A5GT output tube. Be certain that the meter is protected from D.C. by connecting a condenser (.1 mfd. or larger—not electrolytic) in series with one of the leads.

1. **Tuning I-F Amplifier to 455 Kilocycles**
 - (a) Connect the output of the signal generator through a .02 mfd. condenser to the top cap of the 1A7GT tube, leaving the tube's grid clip in place. Connect the ground lead from the signal generator to the "GND" lead or chassis. **KEEP THE GENERATOR LEADS AS FAR AS POSSIBLE FROM THE GRID LEADS OF THE OTHER SCREEN GRID TUBES.**
 - (b) Set the station selector so that the tuning condenser plates are completely in mesh and turn the volume control knob on the right (ON).
 - (c) Set the signal generator to 455 kilocycles.
 - (d) Adjust both 2nd I-F trimmers for maximum reading on the output meter.
 - (e) Adjust both trimmers on the 1st I-F transformer for maximum output.

(f) Check operations (d) and (e) for more accurate adjustments.

ALWAYS USE THE LOWEST SIGNAL GENERATOR OUTPUT THAT WILL GIVE A REASONABLE OUTPUT METER READING.

2. Aligning R-F Amplifier

When aligning the R-F amplifier the output lead from the signal generator should be connected through a .0001 mfd. condenser to the "ANT" lead (Blue). (Check dial pointer to see that it covers complete range.)

- (a) Set the signal generator to 1500 kilocycles.
- (b) Open the condenser gang all the way.
- (c) Adjust the "OSC" trimmer condenser on gang for maximum output.
- (d) Set the signal generator to 1400 kilocycles.
- (e) Tune the receiver to the generator signal for maximum output (approximately 140 on the dial).
- (f) Adjust the "ANT" trimmer condenser on gang for maximum output. **DO NOT READJUST THE "OSC" TRIMMER AT 1400 KILOCYCLES.**
- (g) Repeat operations (e) and (f) alternately until no further improvement in output can be obtained.