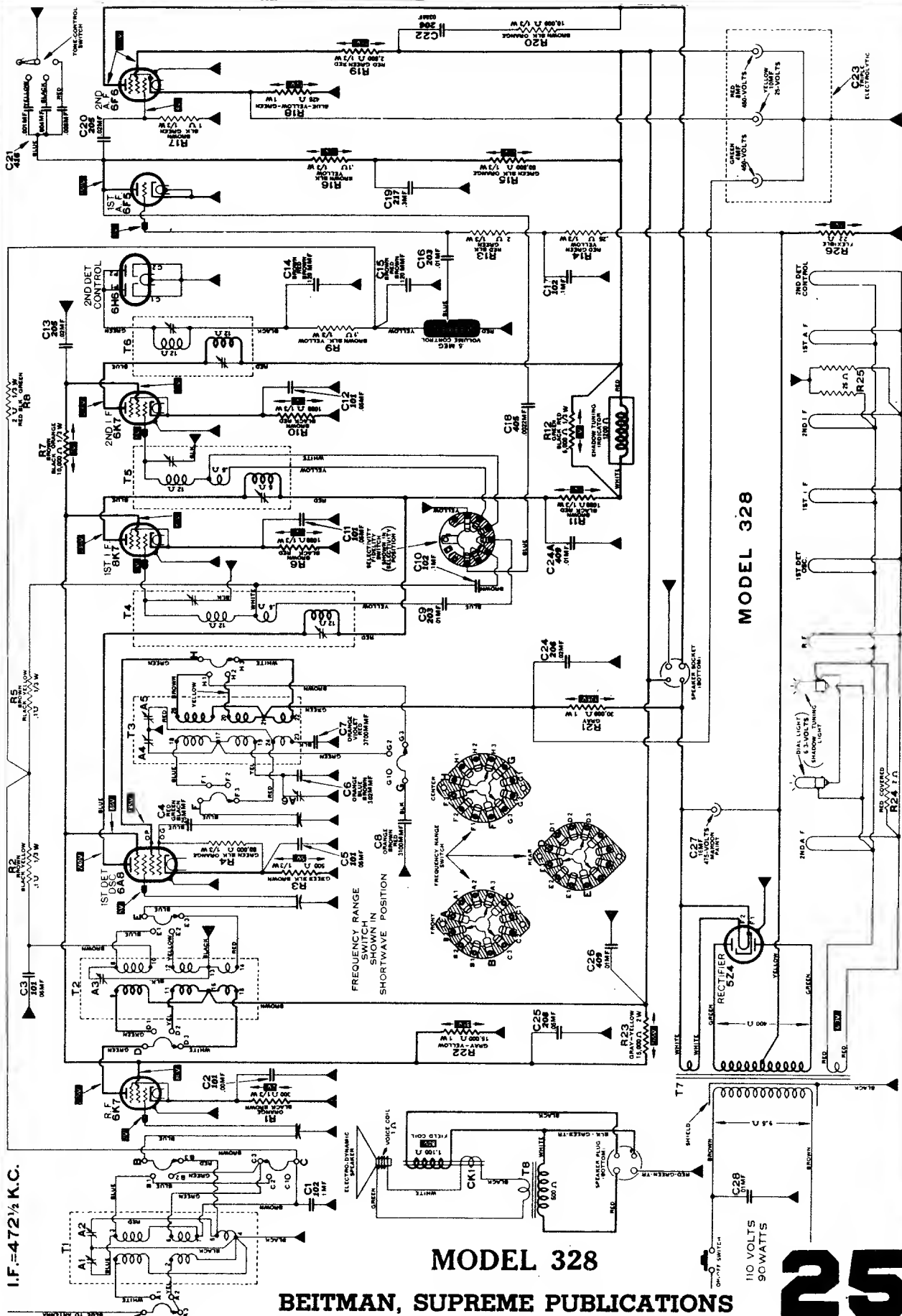


Atwater Kent

	Model: 328	Chassis:	Year: Pre October 1936
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Beitmans 1926-38 25			
Riders 6 (VI) A-K 6-18			
Riders 6 (VI) A-K 6-47			
Riders 7 (VII) A-K 7-30			
Riders 7 (VII) A-K 7-33			
Riders 7 (VII) A-K 7-34			

I.F.=472½ K.C.



MODEL 328

BEITMAN, SUPREME PUBLICATIONS

MODEL 328

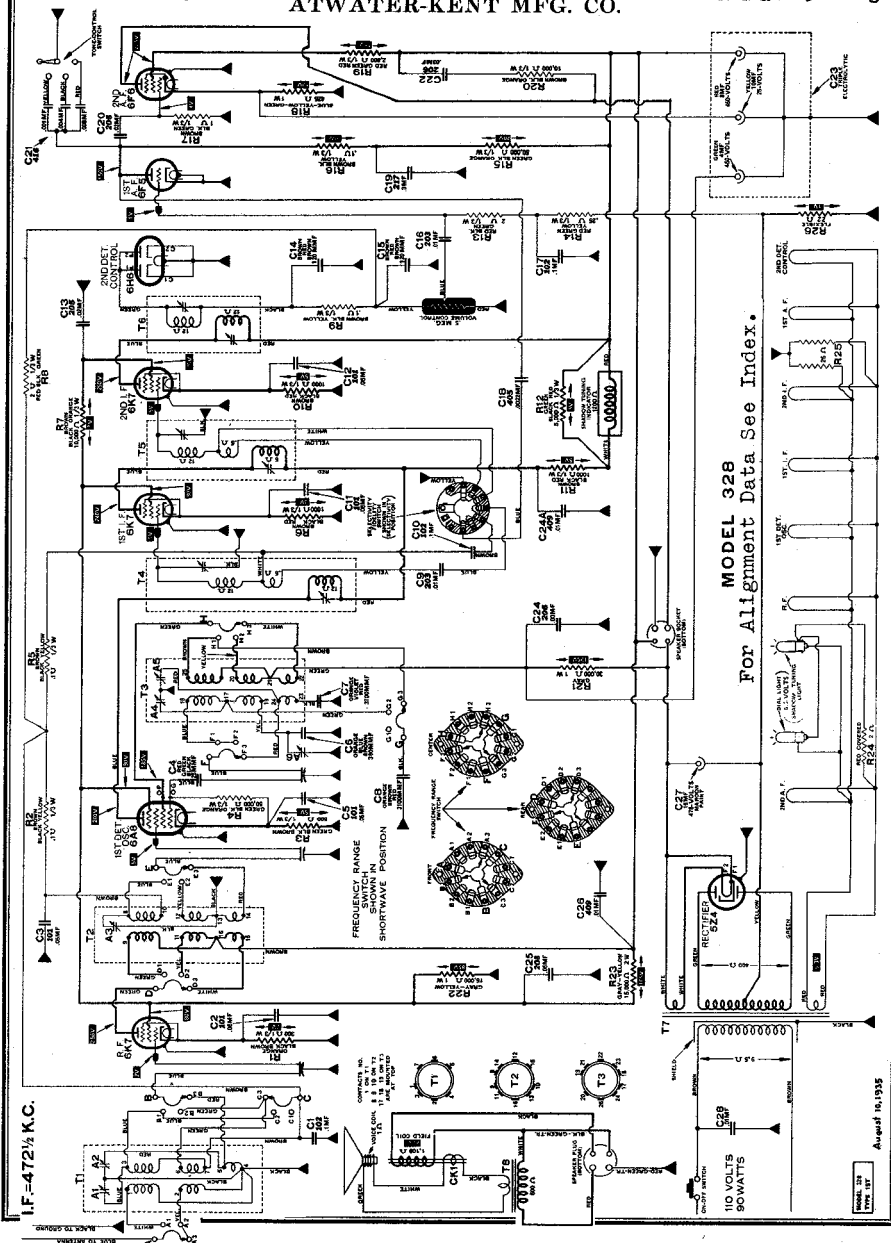
110 VOLTS
90 WATTS

25

MODEL 328 (Early)

ATWATER-KENT MFG. CO.

Schematic, Voltage



MODEL 328
For Alignment Data See Index.

August 1935

ATWATER-KENT MFG. CO.

MODEL 8 328, 649
MODEL 810
Trimmers, Alignment

TRIMMERS ON MODEL 810

	12 to 18 MC range	4.6 to 12.2 MC range	1.6 to 4.6 MC range	540 to 1600 KC range
R. F.	A3	A1	A4	A2
1st-DET.	A7	A6	A8	A5
OSCILLATOR	A14	A11	A13	A10
TRACKING			A12	A9

There are six I. F. trimmers, two on top of each I. F. transformer (T7, 8, 9). These are adjusted at 472½ KC.

MODELS 328 AND 649

I. F. TRIMMERS.

Connect I. F. test oscillator (472½ KC) to grid of 2nd-I. F. tube by means of regular I. F. coupling unit No. 42590. Peak two trimmers on top of T6. Connect I. F. oscillator to grid of 1st-I. F. and peak two trimmers on top of T3. Connect I. F. oscillator to grid of 1st-detector and peak two trimmers on top of T4.

DIAL POINTER ADJUSTMENT.

Refer to instructions under Model 810.

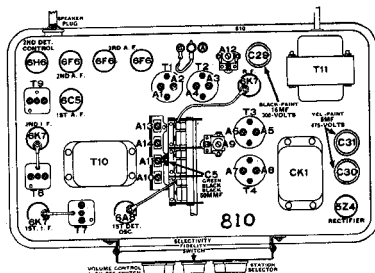
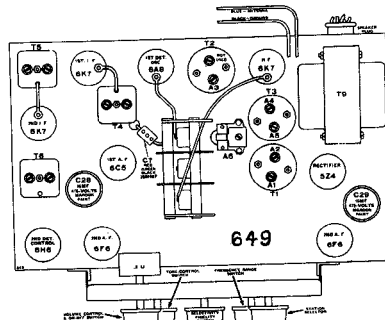
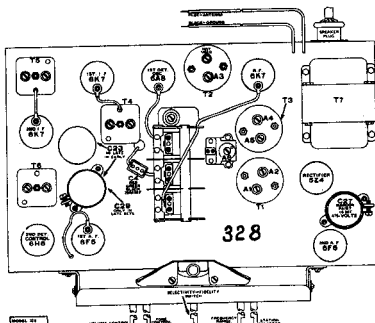
R. F. TRIMMERS.

Connect an R. F. test oscillator to the antenna and ground terminals of set. Loosen the trimmer screws for the range or ranges that are to be adjusted.

Short-wave range. Oscillator at 18 MC, dial at 18 MC, peak A5 and A2.

Police range. No trimmer adjustments for this range.

Broadcast range. Oscillator at 1500 KC and dial at 1500 KC, peak A4, A3 and A1. Oscillator and dial at 560 KC, peak A6.



MODEL 810

I. F. TRIMMERS.

Connect a sensitive output meter to set. Connect I. F. test oscillator (472½ KC) to grid cap of 2nd-I. F. tube, using an Atwater Kent No. 42590 coupling unit. Use the weakest possible oscillator signal that will give a reading on the output meter, and peak two trimmers on T9.

Connect oscillator to 1st-I. F. grid cap and peak two trimmers on T8.

Connect oscillator to 1st-detector grid cap and peak two trimmers on T7.

DIAL POINTER ADJUSTMENT.

If the dial gear and indicator have been changed in any way, reset as follows:

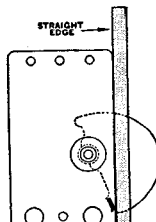
1. Loosen the two set screws which hold pointer gear on condenser shaft.

2. Turn condenser to minimum.

3. See illustration below. Place straight-edge gauge in vertical position with the long flat face against the front mounting plate of the variable condenser as shown. Turn the condenser until the front edge of the rotor spacing bar just touches the straight edge. Hold the condenser in this position and move the pointer arm so the pointer is at 1520 KC (1580 KC in 328, 649), after which tighten the set screws to hold the dial gear securely.

4. Loosen the screws which hold the pointer to the pointer arm, and adjust the pointer so that when the condenser is completely meshed, the pointer is at 535 KC.

Recheck at 1520 KC (1580 KC in 328, 649) and repeat procedure 3 and 4; if necessary.



This illustration shows the correct position of the variable condenser rotor for a dial pointer setting of 1520 KC (1580 KC in 328, 649). The straight edge is held firmly against the front mounting plate of the variable condenser and the rotor is turned so the spacing bar (shown as a small black oblong) is just touching the straight edge. The straight edge is a strip of bakelite or hard rubber 3/4 inch thick, 3/8 inch wide, and 6 inch long. The 3/8 inch side is held against the mounting plate.

R. F. TRIMMERS.

12 to 18 MC range. Oscillator and dial pointer at 18 MC, peak A14, A7 and A3.

4.6 to 12.2 MC range. Oscillator and pointer at 12 MC, peak A11, A6 and A1.

1.6 to 4.6 MC range. Oscillator and pointer at 4 MC, peak A13, A8 and A4. Tune oscillator to 1.7 MC, and with pointer at 1.7, peak A12.

540 to 1600 KC range. Oscillator and pointer at 1500 KC, peak trimmers A10, A5 and A2. Oscillator and pointer at 540 KC, peak A9.

MODELS 328, P328, P328X
MODELS 412, P412, P412
MODELS 447, 447X
MODELS 710, 810
Parts Lists

ATWATER KENT MFG. CO.

TRANSFORMERS FOR

MODELS 312, E312, 412, P412, 710, and 810

Diagram Code Number	Name	MODEL 312 P312	MODEL E312 P412	MODEL 412 P412	MODEL 710 P710	MODEL 810 P810
T1	R.F., broadcast and 4.6 to 12.2 MC.....	45740	45740	45740	45740	45740
T2	R.F., police and 12 to 18 MC.....	45770	.....	45770	45770	45770
T2	R.F., long wave and 12 to 18 MC.....	48750	.....	48750	.....	.....
T3	1st-det., broadcast and 4.6 to 12.2 MC.....	45750	45750	45750	45750	45750
T4	1st-det., police and 12 to 18 MC.....	45780	.....	45780	45780	45780
T4	1st-det., long wave and 12 to 18 MC.....	48780	.....	48780	.....	.....
T5	Oscillator, broadcast and 4.6 to 12.2 MC.....	45760	45760	45760	45760	45760
T6	Oscillator, police and 12 to 18 MC.....	45790	.....	45790	45790	45790
T6	Oscillator, long wave and 12 to 18 MC.....	48770	.....	48770	.....	.....
T7	No. 1 I.F.T.....	45640	45640	45640	45640	47880
T8	No. 2 I.F.T.....	45650	45650	45650	45650	47890
T9	No. 3 I.F.T.....	45660	45660	45660	45660	45660
T10	Audio transformer unit.....	45890	45890	47840	46820	48770
T11	Power transformer, 110 volts.....	45960	.....	47850	46190	48740
T11	Power transformer, 116-230 volts.....	45960	45960	47850	46190	48740
T12	Output transformer.....	46740	46740	46740	44460	48760

MODEL 328

29647	Variable condenser
29618	Volume control, .5 megohm
29409	Selectivity switch
30048	Tone control switch
29608	Shaft and blade for above
47840	Range switch
29609	Shadow meter complete
30055	Front panel assembly
31288	Keutobehon
29373	Dial plate only
29948	Lamp, 6-8-W., bayonet base
27254	Dial pointer
31613	Grid lead and cap
29647	Coil shield (T1, 6)
29648	Osc. trans. shield (T3)
29619	I. F. T. shield (T4, 5, 6)
31183	Instruction sheet, P-1258
46890	Shipping container

BOOKS

21356	Speaker socket
30066	Universal socket for metal tubes

ELECTROLYTICS

C23	27662	Triple electrolytic (early sets, 4 MF, 450-V.; 8 MF, 450-V.; 10 MF, 25-W.
	31702	Triple electrolytic (late sets), 4 MF, 200-V.; 8 MF, 100-V.; 8 MF, 25-W.
C27	29661	15 MF, 475-V.
C29	28021	8 MF, 475-V. (late sets)

MODEL 447 and P447X

Model 447 is same as standard Model 328 except that it has phono terminals and a universal power transformer No. 45950

MODELS 447 and 447X

For parts not listed below, refer to Model 318

29026	Cabinet, less screen.....
27904	Screen and gasket.....
27845	Shipping container
29254	Front panel assembly

CONDENSERS

27594	4 MF, 500 V., electrolytic
28021	8 MF, 475 V., electrolytic
45579	10 MF, 25 V., electrolytic
27698	3700 MFD.
27599	3700 MFD.

TRANSFORMERS

21672	Output transformer
28557	Power transformer (447X)
25221	Power transformer (447)

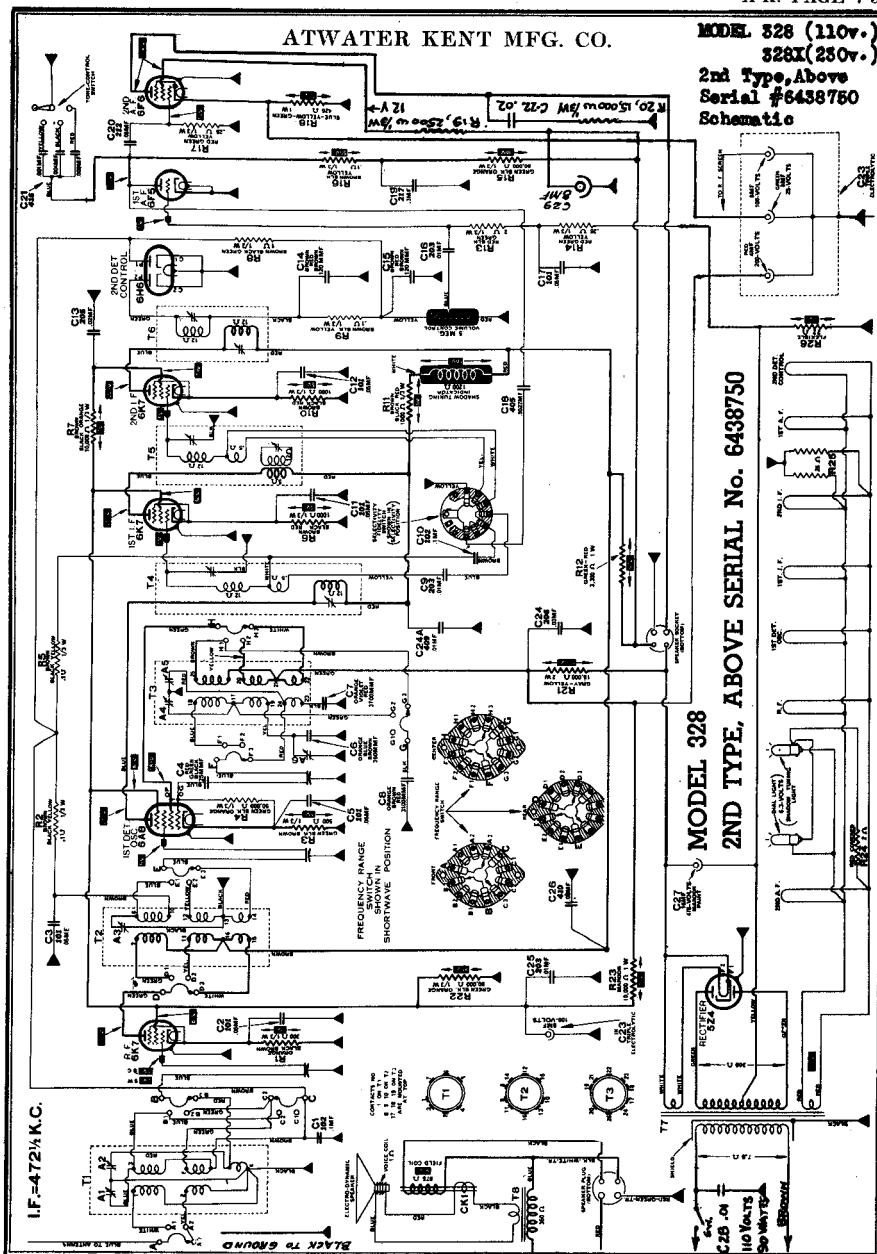
MISCELLANEOUS

21358	Speaker socket
29106	Tone control switch

447 SPEAKER NO. 41700

21580	Field coil
19465	Diaphragm
19487	Cable and plug
21672	Output transformer

447-30040 - 32454 - 25221
 447X-41590 - 32974 - 28567



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**MODEL 328, Early
and Late
Chassis Layouts**

ATWATER KENT MFG. CO.

