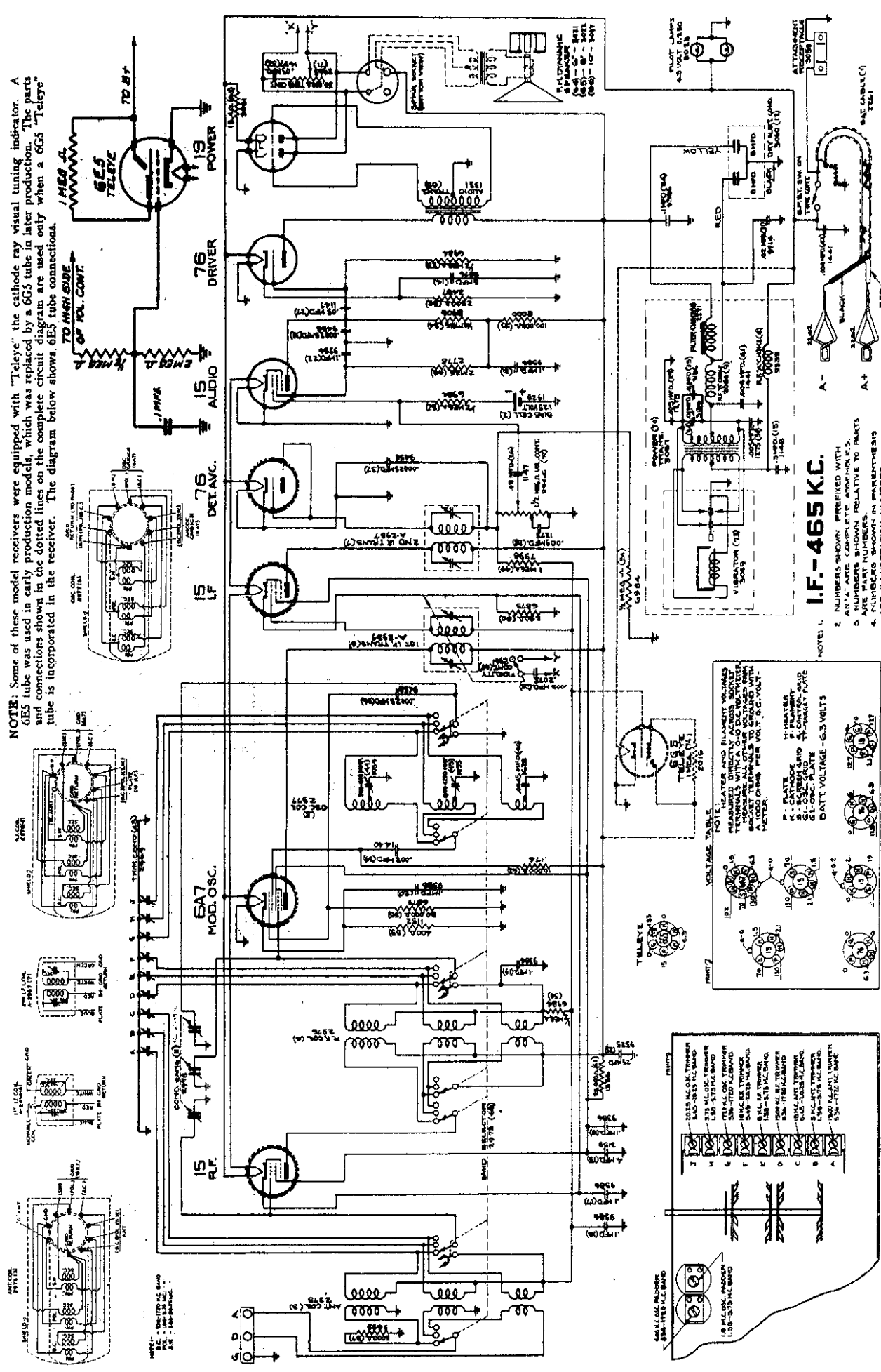




NOTE: Some of these model receivers were equipped with "Teleye" the cathode ray visual tuning indicator. A 6E5 tube was used in early production models, which was replaced by a 6G5 tube in later production. The parts and connections shown in the dotted lines on the complete circuit diagram are used only when a 6G5 "Teleye" tube is incorporated in the receiver. The diagram below shows 6E5 tube connections.



**PARTS**

1	100 OHM RESISTOR
2	100 OHM RESISTOR
3	100 OHM RESISTOR
4	100 OHM RESISTOR
5	100 OHM RESISTOR
6	100 OHM RESISTOR
7	100 OHM RESISTOR
8	100 OHM RESISTOR
9	100 OHM RESISTOR
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18	100 OHM RESISTOR
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41	100 OHM RESISTOR
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90	100 OHM RESISTOR
91	100 OHM RESISTOR
92	100 OHM RESISTOR
93	100 OHM RESISTOR
94	100 OHM RESISTOR
95	100 OHM RESISTOR
96	100 OHM RESISTOR
97	100 OHM RESISTOR
98	100 OHM RESISTOR
99	100 OHM RESISTOR
100	100 OHM RESISTOR

**VOLTAGE TABLE**

NOTE: PLATE AND BIASING VOLTAGES MEASURED DIRECTLY ACROSS SOCKET TERMINALS. ALL OTHER VOLTAGES MEASURED ACROSS SOCKET TERMINALS TO GROUND WITH METER ON 500 VOLT RANGE PER VOLT. 500 VOLT RANGE.

PLATE	SCREEN GRID	CONTROL GRID	BIAS	TELEYE
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

**I.F. - 465 KC.**

NOTE: 1. NUMBERS SHOWN REFERRED WITH AN "A" PREFIX ARE PART NUMBERS. 2. NUMBERS SHOWN WITH A "B" PREFIX ARE PART NUMBERS. 3. NUMBERS SHOWN IN PARENTHESES ARE PART NUMBERS. 4. NUMBERS SHOWN IN PARENTHESES ARE PART NUMBERS. 5. SOME MODELS WERE EQUIPPED WITH TELEYE. DOTTED LINES SHOW CONNECTIONS.



Chassis 47AE Alignment Parts

ALLIED RADIO CORP.

Table with columns: Illus. No., Part Name, Description, List Price. Lists various electronic components like coils, condensers, resistors, and transformers.

Table with columns: Illus. No., Part Name, Description, List Price. Lists various electronic components like resistors, capacitors, and miscellaneous parts.

Service Notes For The AC Operated Superheterodyne Receiver Four Band

NOTE: IT IS ABSOLUTELY NECESSARY THAT AN ACCURATELY CALIBRATED TEST OSCILLATOR WITH SOME TYPE OF OUTPUT MEASURING DEVICE BE USED WHEN ALIGNING THE RECEIVER AND THAT THE PROCEDURE BE CAREFULLY FOLLOWED, OTHERWISE THE RECEIVER WILL BE INSENSITIVE AND THE DIAL CALIBRATION WILL BE INCORRECT.

ALIGNING I. F. STAGE AT 465 KILOCYCLES: (a) Attach the ground lead of the test oscillator to the chassis. Connect the other lead to the grid cap of the 6L7 tube through a .02 Mfd. series condenser. DO NOT REMOVE GRID CLIP.

ALIGNING 1800-540 KILOCYCLE BAND: (a) Adjust band selector switch for operation on the 1800-540 kilocycle band, remove test oscillator lead from grid of 6L7 tube and connect to receiver antenna terminal through a .00025 Mfd. series condenser.

ALIGNING 6.1-21 MEGACYCLE BAND: (a) Replace .00025 Mfd. antenna series condenser with 400 ohm resistor, adjust band selector switch to 18-6.3 megacycles band, tune receiver dial and set test oscillator frequency to EXACTLY 6.3 megacycles.

NOTE: When adjusting this trimmer two peaks, the fundamental and the image peak will be noticed. CARE MUST BE TAKEN THAT THE FUNDAMENTAL PEAK AND NOT THE IMAGE PEAK IS USED FOR ALIGNING THE RECEIVER AT 21 MEGACYCLES. Always back off the trimmer to minimum capacity, then screw down the trimmer (add capacity) until the first peak which is the fundamental and the proper one to use is tuned in.

ALIGNING 390-140 KILOCYCLE BAND: (a) Adjust band selector switch for operation on 390 to 140 kilocycle band, tune receiver dial and set test oscillator frequency to EXACTLY 390 kilocycles.