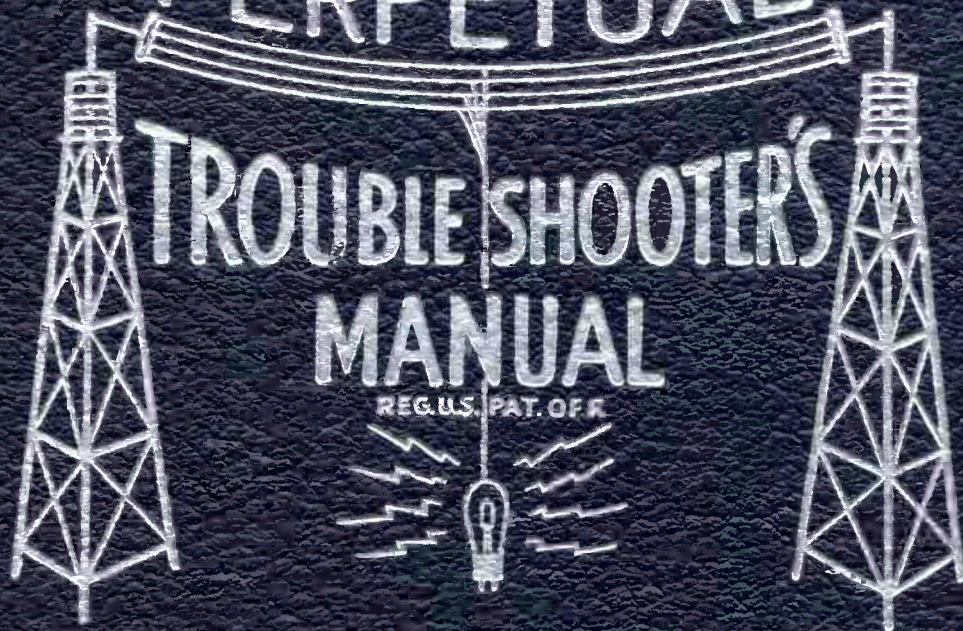
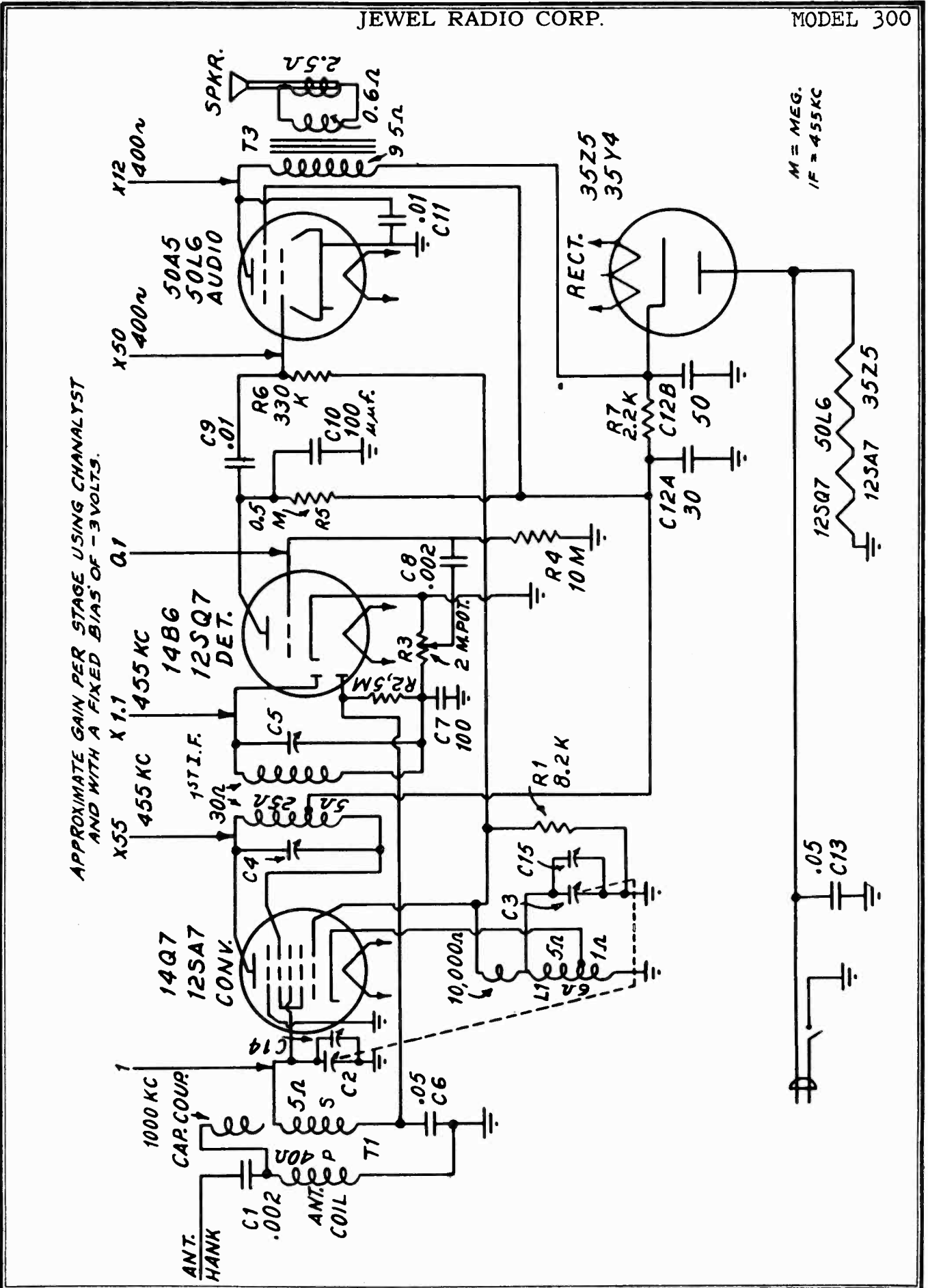


VOLUME XIX

PERPETUAL



JOHN F. RIDER



ALIGNMENT PROCEDURE

Connect output meter across the voice coil.

Couple the signal generator to the bank antenna through a 100 µf capacitor. Set the volume control at maximum, and fully mesh the tuning capacitor.

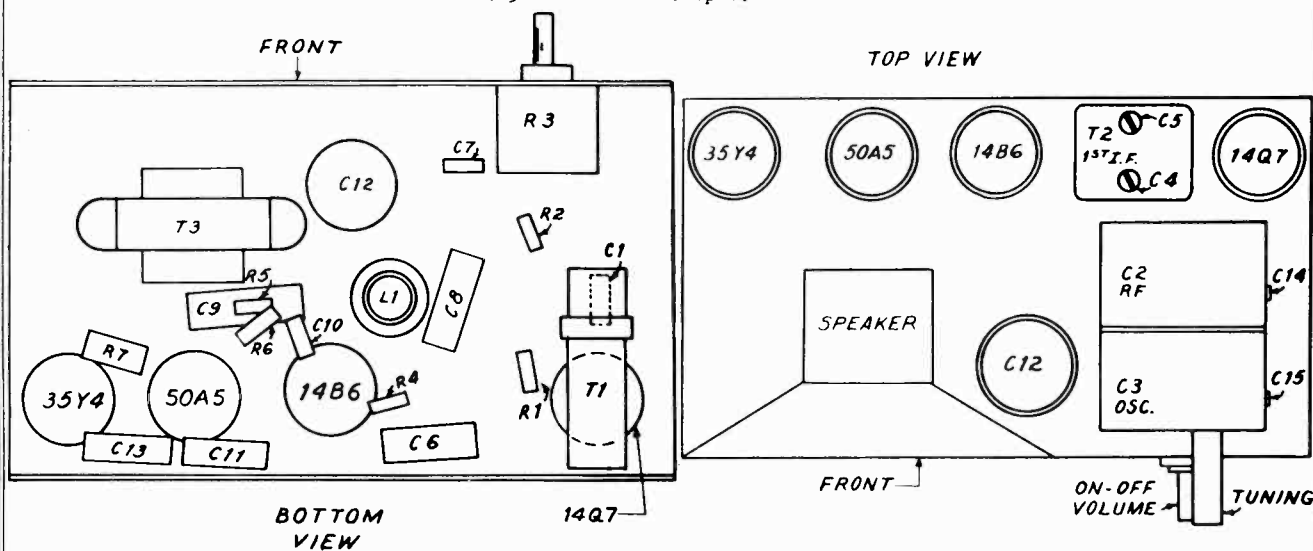
The output of the signal generator should be just sufficient to give a readable deflection on the output meter.

Set the signal generator to 455 kc and adjust i-f trimmers for maximum output in the following order: C5, C4. Repeat sequence if trimmers were badly maledjusted.

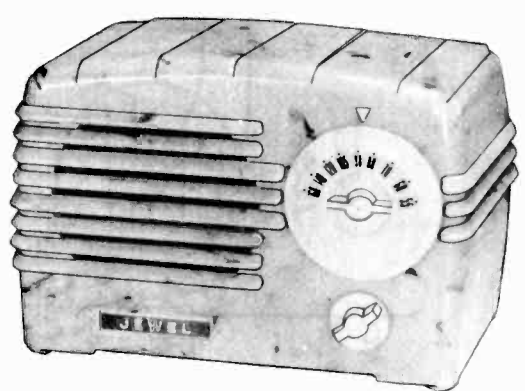
Set the signal generator and receiver to 1400 kc and adjust the oscillator trimmer C15 for maximum output

Set the signal generator and receiver to 1600 kc and adjust the antenna trimmer C14 for maximum output.

Set the signal generator and receiver to 1400 kc and readjust oscillator trimmer C15 for maximum output.



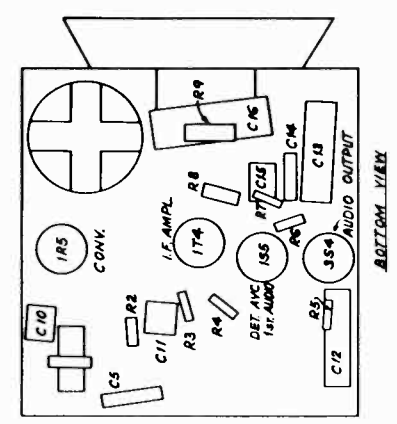
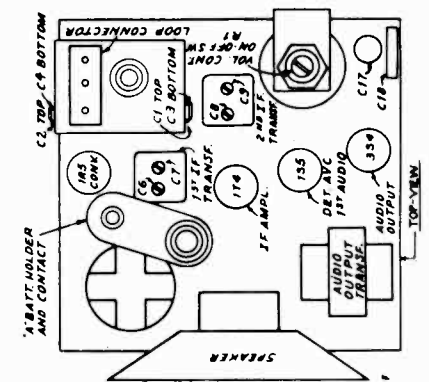
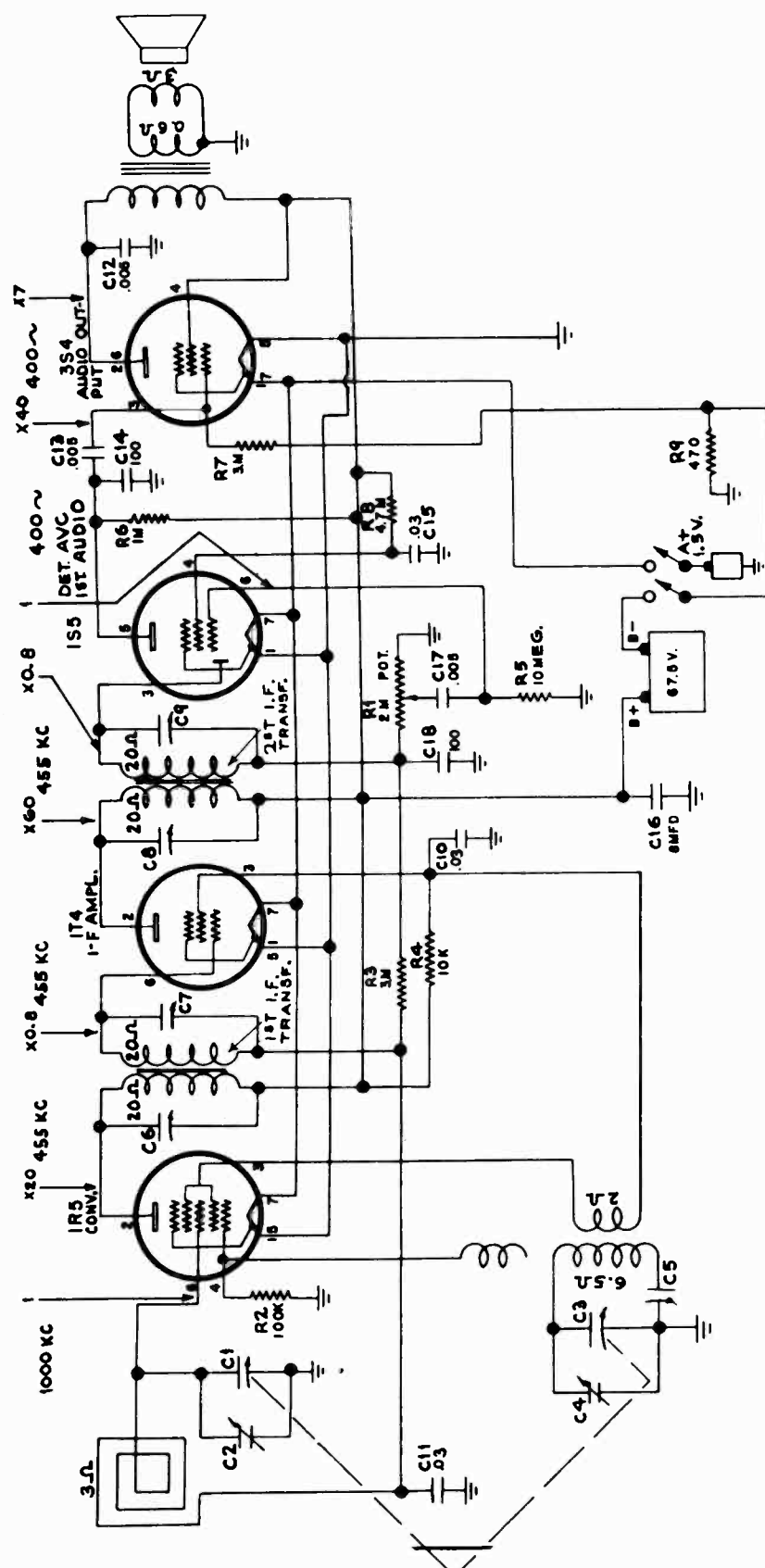
TUBE	PIN	VTVM	20,000Ω/V	1,000Ω/V	RESISTANCE
14Q7 CONV.	1	AC	AC	AC	18Ω
	2	+90	+97	+90	over 10 meg
	3	+90	+97	+90	over 10 meg
	4	-6.8	-6.8	-3.8	11K
	5	0	0	0	0
	6	-.95	-.58	-.1	4.5K
	7	0	0	0	1
	8	AC	AC	AC	26Ω
14B6 DET	1	AC	AC	AC	0
	2	+52	+51	+16	over 10 meg
	3	-.9	-.6	-.4	10 meg
	4	--	--	--	--
	5	-1.5	-.8	-.4	1.5 meg
	6	-.95	-.8	-.4	4.5K
	7	0	0	0	0
	8	AC	AC	AC	20Ω
50A5 AUD OUT	1	AC	AC	AC	75Ω
	2	+125	+120	+120	over 10 meg
	3	+90	+98	+92	over 10 meg
	4	--	--	--	--
	5	--	--	--	--
	6	-19	-5	-2	400K
	7	0	0	0	0
	8	AC	AC	AC	25Ω
35Y4	1	-5.5	0	0	100Ω
	2	-5.5	0	0	100Ω
	3	--	--	--	--
	4	--	--	--	--
	5	--	--	--	--
	6	--	--	--	--
	7	+130	+130	+130	over 10 meg
	8	-3	0	0	over 10 meg



JEWEL RADIO CORP.

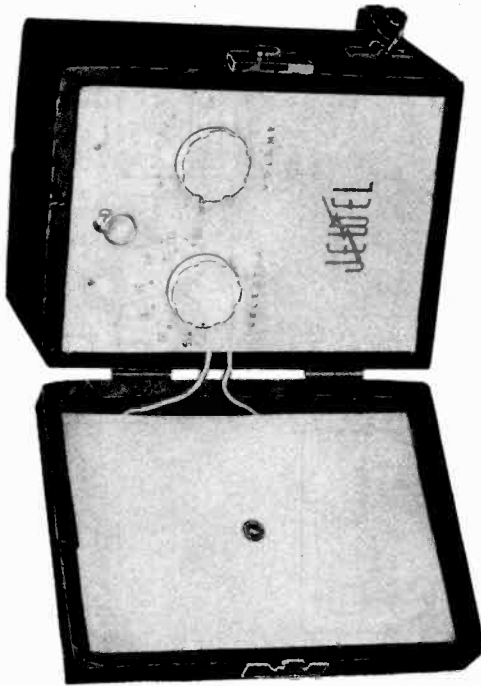
MODEL 304,
Pixie

APPROX. GAIN PER STAGE USING CHANNELYST AND WITH A FIXED BIAS OF -3 VOLTS



MODEL 304,
Pixie

JEWEL RADIO CORP.



TUBE	PIN	V _{PTM}	20,000/V	1,000/V	RESISTANCE
1R5 conv.	1	0	0	0	0
	2	62	62	62	over 500K
	3	50	50	44	over 500K
	4	-1.2	-0.2	0	100K
	5	-3	-1.4	-0.2	0
	6	0	0	0	4 megs.
	7	-0.3	0	0	0.2 ohm
1R4 1-F. AMPL.	1	0	0	0	0
	2	62	62	62	over 500K
	3	50	50	44	over 500K
	4	-0.3	0	0	4.5 megs.
	5	0	0	0	0
	6	-0.3	0	0	4.5 megs.
	7	1.4	1.4	1.4	0.2 ohm
1S5 DET. A.V.C. 1st audio	1	0	0	0	0
	2	-0.4	-0.2	0	1.8 megs.
	3	14	12	2	over 5 megs.
	4	24	20	4	over 1 meg.
	5	-0.3	0	0	10 megs.
	6	1.4	1.4	1.4	0.2 ohm
	7	1.4	1.4	1.4	0.2 ohm
3R4 audio output	1	1.4	1.4	1.4	0.2 megs.
	2	60	60	60	over 500K
	3	-4.5	-0.5	0	3 megs.
	4	62	62	62	over 500K
	5	0	0	0	0
	6	60	60	60	over 500K
	7	1.4	1.4	1.4	0.2 ohm

ALL VOLTAGE AND RESISTANCE MEASUREMENTS MADE WITH RESPECT TO CHASSIS GROUND.
AND WITH A SUPPLY VOLTAGE OF 67 1/2 DC

ALIGNMENT PROCEDURE

Connect output meter across voice coil.

Connect the signal generator to the standard Hazeltine Loop Model 1150 and couple it loosely to the receiver loop. Set the volume control at maximum, and fully mesh the tuning capacitor.

The output of the signal generator should be just sufficient to give a readable deflection on the output meter.

Set the signal generator to 455 kc and adjust i-f trimmers for maximum output in the following order: C3, C8, C7, C6. Repeat sequence if trimmers were badly maladjusted.

Set the signal generator and receiver to 1620 kc and adjust the oscillator trimmer C4 for maximum output.

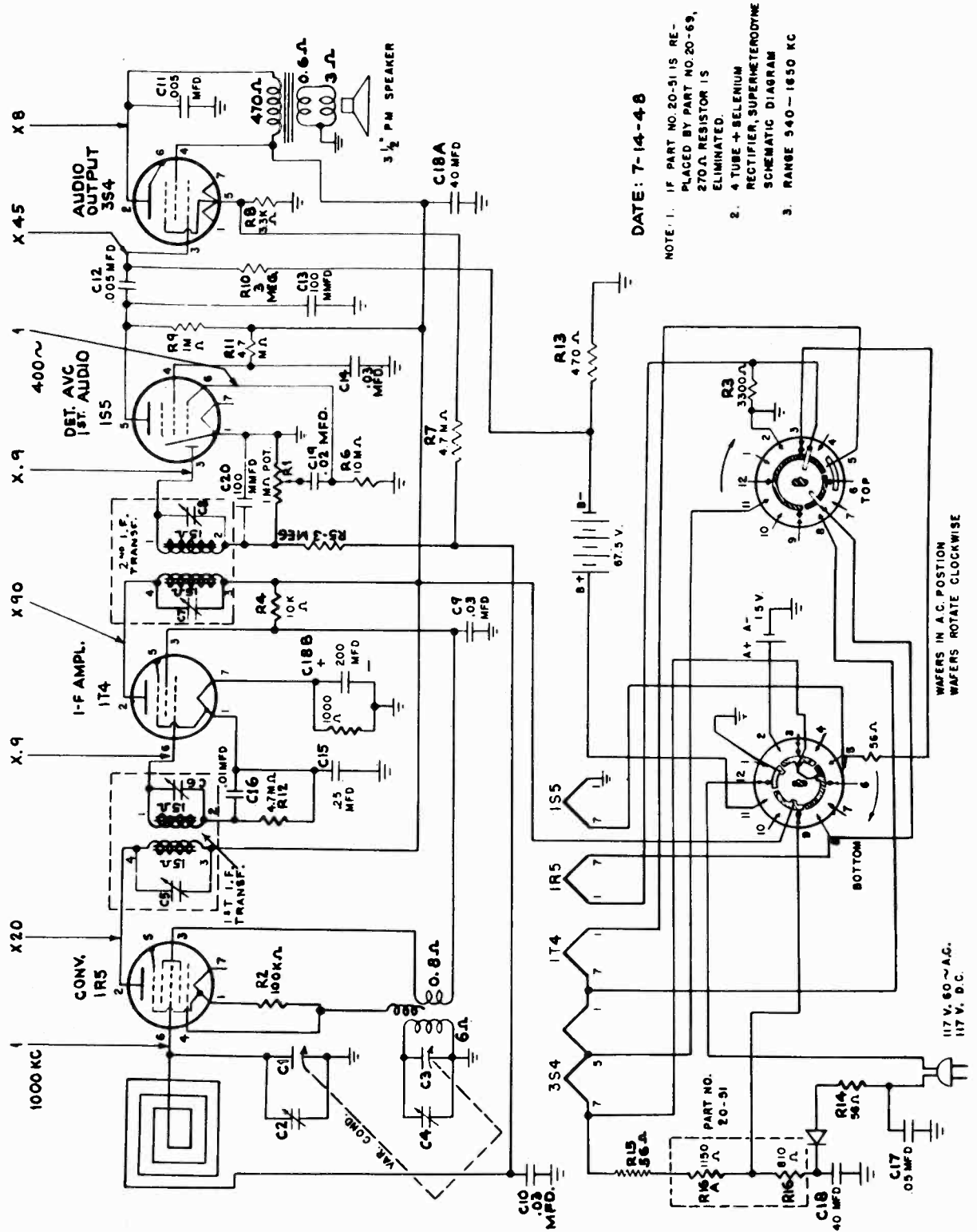
Set the signal generator and receiver to 1500 kc and adjust the antenna trimmer C2 for maximum output.

Set the signal generator and receiver to 1620 kc and readjust oscillator trimmer C4 for maximum output.

JEWEL RADIO CORP.

MODEL 801,
Trixie

APPROX. GAIN PER STAGE USING CHANNELYST AND WITH A FIXED BIAS OF -3 VOLTS



DATE: 7-14-48

- NOTE: 1. IF PART NO. 20-51 IS REPLACED BY PART NO. 20-69, 270Ω RESISTOR IS ELIMINATED.
 2. 4 TUBE - BELENIUM RECTIFIER, SUPERMETERODIENE SCHEMATIC DIAGRAM
 3. RANGE 540 - 1650 KC

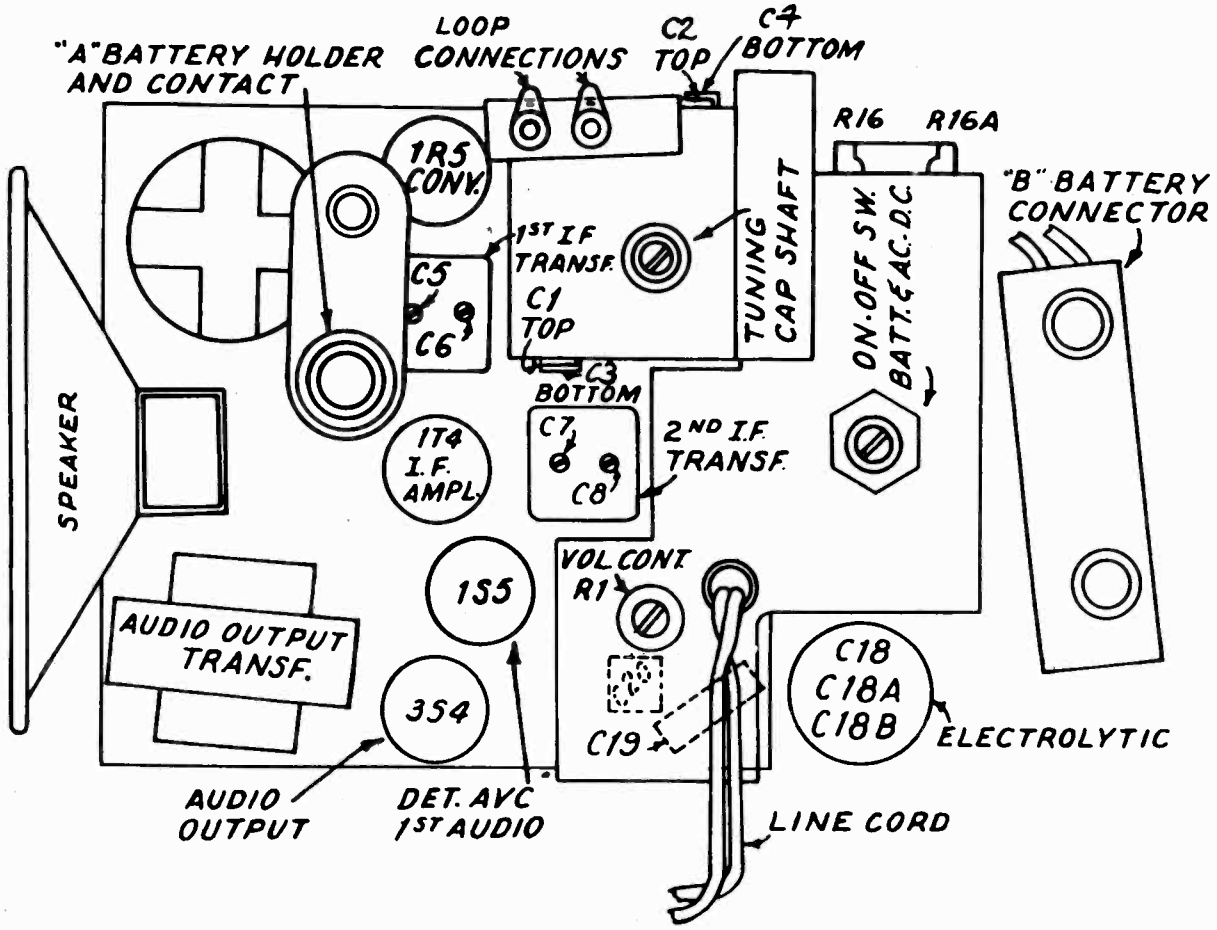
PART NO. 20-51

WAFERS IN A.C. POSITION
WAFERS ROTATE CLOCKWISE

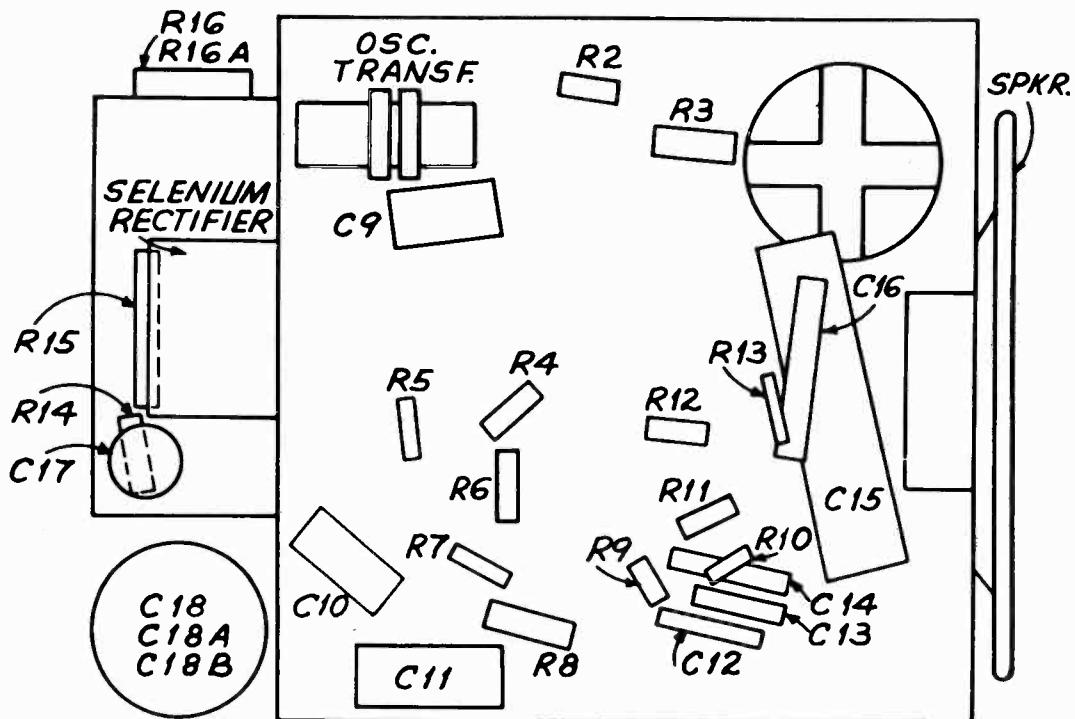
117 V. 60~A.C.
117 V. D.C.

MODEL 801,
Trixie

JEWEL RADIO CORP.



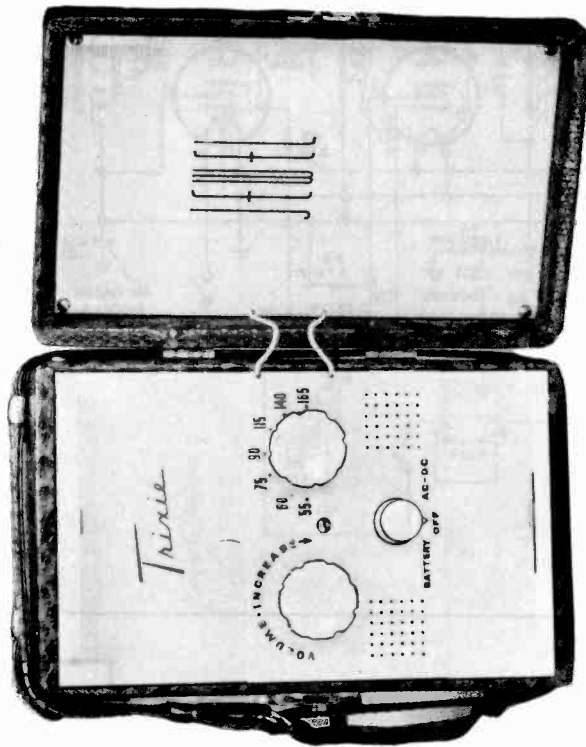
TOP VIEW



BOTTOM VIEW

JEWEL RADIO CORP.

MODEL 801,
Trixie



ALIGNMENT PROCEDURE

Connect output meter across voice coil.

Connect the signal generator to the standard Hazeltine Loop Model 1150 and couple it loosely to the receiver loop. Set the volume control at maximum, and fully mesh the tuning capacitor.

The output of the signal generator should be just sufficient to give a readable deflection on the output meter.

Set the signal generator to 455 kc and adjust i-f trimmers for maximum output in the following order: C8, C7, C6, C5. Repeat sequence if trimmers were badly maladjusted.

Set the signal generator and receiver to 1600 kc and adjust the oscillator trimmer C4 for maximum output.

Set the signal generator and receiver to 1400 kc and adjust the antenna trimmer C2 for maximum output.

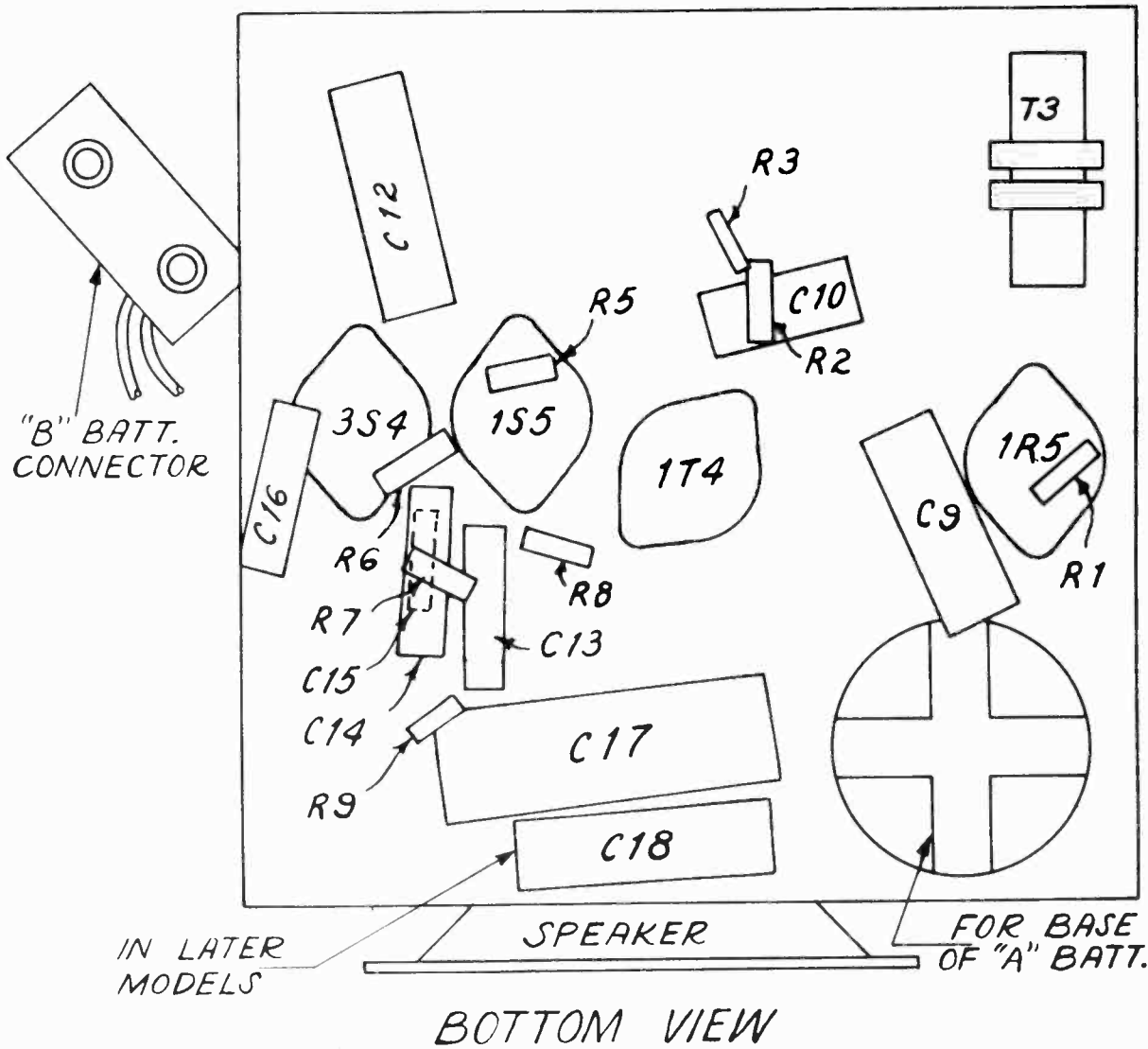
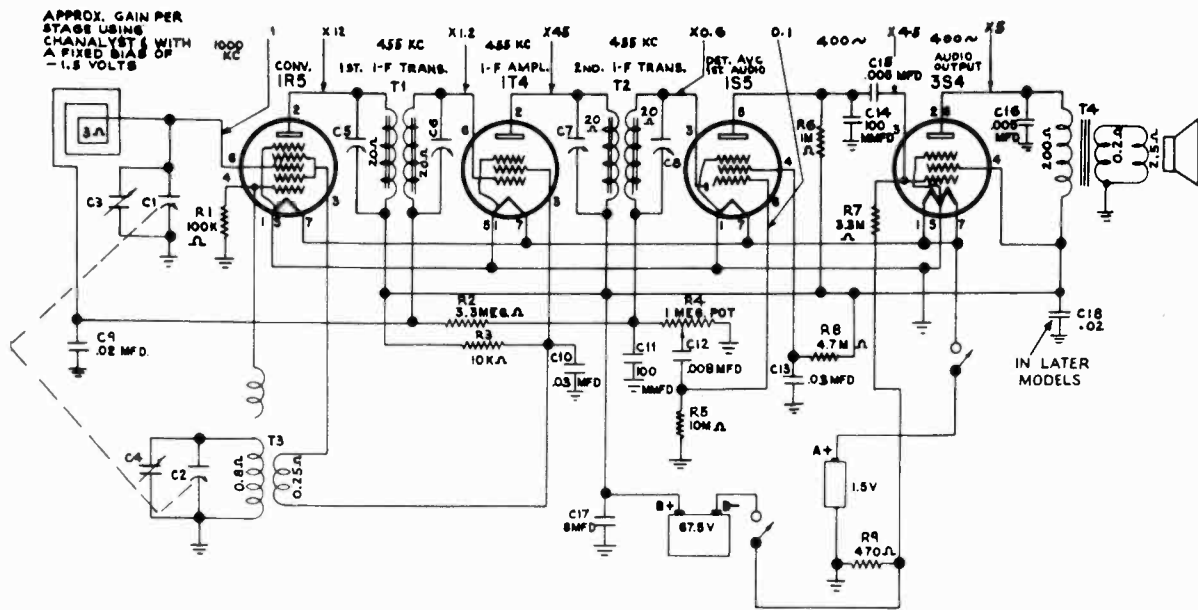
Set the signal generator and receiver to 1600 kc and readjust oscillator trimmer C4 for maximum output.

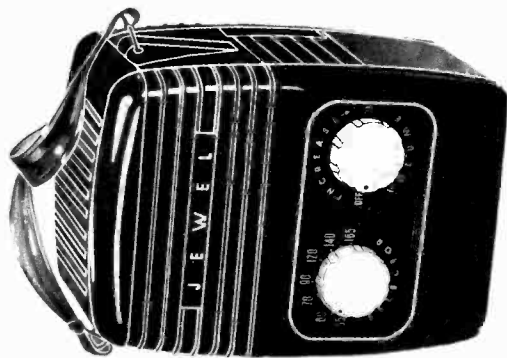
TUBE	PIN	VTFM	20,000/V	1,000/V	RESISTANCE
1R5 conv. 550 KC 1600 KC	1	4	4	4	3.4K
	2	76	76	76	over 50K
	3	50	50	48	over 50K
	4	-7	-2.3	0	115K
		-10	-2.4	0	
	5	4	4	4	3.4K
	6	3	0.2	0	2.3 megs.
1T4 1-F AMPL.	7	5.2	5.2	5.2	3.4K
	1	5.2	5.2	5.2	750 ohm
	2	76	76	76	over 50K
	3	50	50	48	over 50K
	4	5.2	5.2	5.2	750 ohm
	5	3.5	-0.2	0	4.8 megs.
	6	6.4	6.4	6.4	740 ohm
1S5 DET. A.V.C. 1st audio	7	0	0	0	0
	1	-	-	-	-
	2	0	0	0	1 meg.
	3	17	14	2	5.4 megs.
	4	21	18	6	1 meg.
	5	0.1	0	0	10 megs.
	6	1.2	1.2	1.2	12 ohm
3S4 audio output	7	6.5	6.5	6.5	740 ohm
	1	73	73	73	over 50K
	2	0.1	0	0	3 megs.
	3	76	76	76	over 50K
	4	7.8	7.8	7.8	750 ohm
	5	73	73	73	over 50K
	6	9	9	9	760 ohm

ALL VOLTAGE AND RESISTANCE MEASUREMENTS MADE WITH RESPECT TO CHASSIS GROUND.
And WITH A LINE VOLTAGE OF 116 V.A.C.

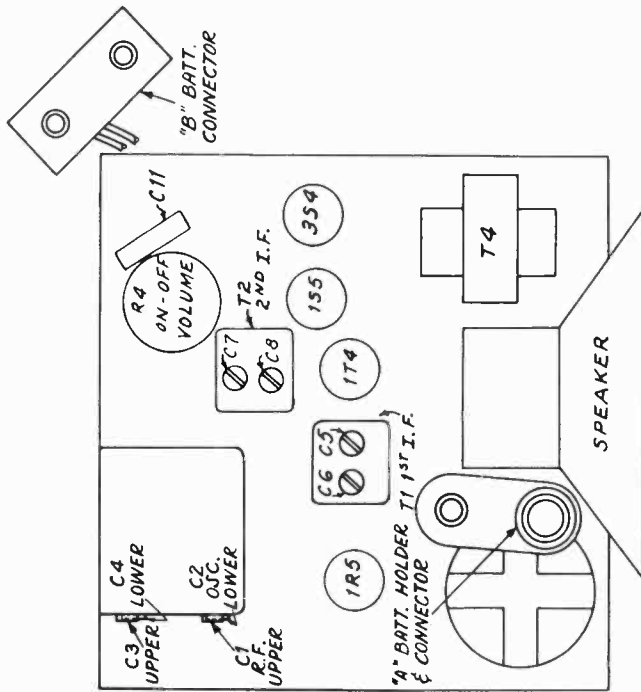
JEWEL RADIO CORP.

MODEL 814





TUBE	PIN	V _{TVM}	20,000Ω/V	1,000Ω/V	RESISTANCE
1R5 CONV. 1600kc 550 kc	1	0	0	0	0
	2	63	63	60	10 meg.
	3	40	40	37	10 meg.
	4	-12.5	-7	-0	120 K
	5	-10	-6	-5	120 K
	6	0	0	0	0
1T4 IF AMP	1	-0.4	0	0	4.7 meg
	2	1.5	1.4	1.3	4.5Ω
	3	0	0	0	0
	4	61	61	59	10 meg
	5	39	39	36	10 meg
	6	-0.5	-0.1	0	4.7 meg
	7	0	0	0	0
1R5 DET 1st AUD	1	-0.5	0	0	4.7 meg
	2	1.3	1.3	1.3	4.7 meg
	3	0	0	0	0
	4	NC	--	--	---
	5	-0.5	-0.3	0	1 meg
	6	16.5	13	2	over 10 meg
	7	19	15	4	over 10 meg
3S4 AUD OUT	1	-0.15	0	0	10 meg
	2	1.3	1.2	1.2	4.7Ω
	3	1.3	1.2	1.2	4.6Ω
	4	58	58	56	over 10 meg.
	5	-4.3	-3	0	3.3 meg
	6	60	60	58	10 meg
	7	0	0	0	0



TOP VIEW

ALIGNMENT PROCEDURE

Connect output meter to voice coil.

Connect the signal generator to the standard Hazeltine Loop Model 1150 and couple it loosely to the receiver loop. Set the volume control at maximum, and fully mesh the tuning capacitor.

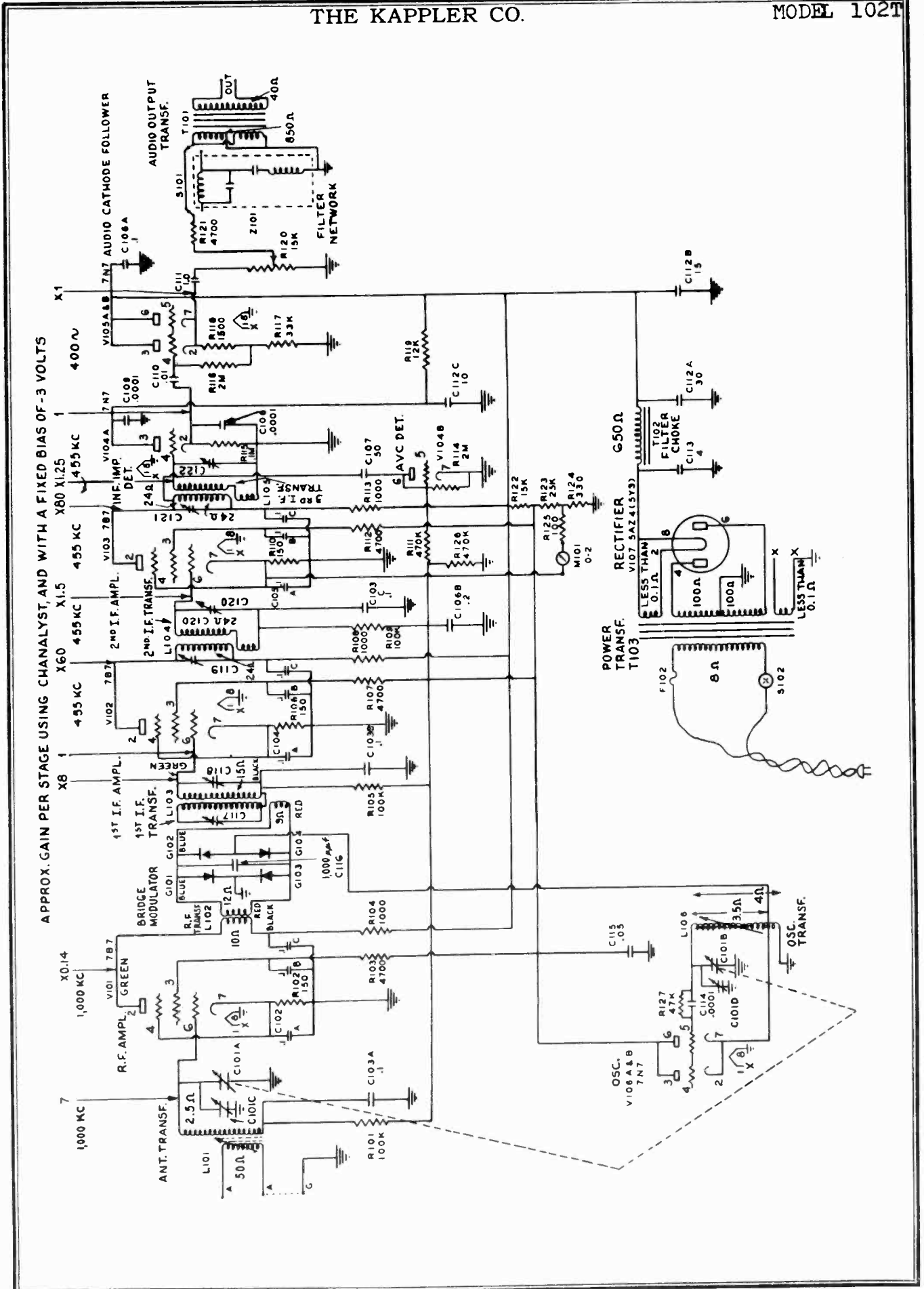
The output of the signal generator should be just sufficient to give a readable deflection on the output meter.

Set the signal generator to 455 kc and adjust i-f trimmers for maximum output in the following order: C8, C17, C6, C5. Repeat sequence if trimmers were badly maladjusted.

Set the signal generator and receiver to 1400 kc and adjust the oscillator trimmer C4 for maximum output.

Set the signal generator and receiver to 1620 kc and adjust the antenna trimmer C3 for maximum output.

Set the signal generator and receiver to 1400 kc and readjust oscillator trimmer C4 for maximum output.



THE KAPPLER CO.

MODEL 102T

Alignment Procedure - I.F. Alignment

TUBE	PIN	V1VM	1,000/V	RESISTANCE
7B7 R-F. ampl.	1	6.3 A.C.	6.3 A.C.	less than 0.1 ohm
	2	280	280	40K
	3	80	75	30K
	4	1	1	150 ohm
	5	GND.	GND.	GND.
	6	-2.5	-0.3	600K
	7	1	1	150 ohm
	8	GND.	GND.	GND.
7B7 OSC.	1	6.3 A.C.	6.3 A.C.	less than 0.1 ohm
	2	0	0	0.5 ohm
	3	80	75	25K
	4	-10	-2	47K
	5	-10	-2	47K
	6	0	0	25K
	7	0	0	0.5 ohm
	8	GND.	GND.	GND.
conv. bridge modulator G101	cathode	0.3	0.3	60 ohm Rx10 scale
	plate	0	0	0.5 ohm Rx1 scale
	G102	cathode	GND.	GND.
	plate	0.3	0.3	60 ohm Rx10 scale
G103	cathode	0.3	0.3	60 ohm Rx10 scale
	plate	0	0	0.5 ohm Rx1 scale
G104	cathode	0	0	GND.
	plate	0.3	0.3	60 ohm Rx10 scale
7B7 1st IF ampl.	1	6.3 A.C.	6.3 A.C.	less than 0.1 ohm
	2	280	280	40K
	3	80	75	30K
	4	1	1	150 ohm
	5	GND.	GND.	GND.
	6	-2	-0.4	600K
	7	1	1	150 ohm
	8	GND.	GND.	GND.
7B7 2nd IF ampl.	1	6.3 A.C.	6.3 A.C.	less than 0.1 ohm
	2	280	280	40K
	3	80	75	30K
	4	1	1	150 ohm
	5	GND.	GND.	GND.
	6	-1.5	0	600K
	7	1	1	150 ohm
	8	GND.	GND.	GND.
7B7 infinite impedance detector. AFC detector	1	6.3 A.C.	6.3 A.C.	less than 0.1 ohm
	2	18	18	100K
	3	280	280	50K
	4	0	0	24 ohm
	5	-4	-0.5	900K
	6	-4	-0.5	900K
	7	GND.	GND.	GND.
	8	GND.	GND.	GND.

It is recommended that Visual Alignment be used for the I.F.

The bandpass width of the 456-KC I.F.'s is 20 KC, so a 40-KC swept signal with a center frequency of 456-KC is used to align the I.F.'s.

Connect the Oscilloscope to pin 2 of V104A (7B7) and connect the signal generator to pin 6 of V103 (7B7). Keep the output of the signal generator as low as possible.

If the output impedance of the signal generator is high, it will be necessary to detune the secondary of L104 with C120.

Align L105 with C122 and C121, for a flat top to the I-F response curve, while trying to obtain maximum output.

Move the signal generator to pin 6 of V102 (7B7) and align L104 with C120 and C119 using the same procedure as used for L105.

Move the signal generator to pin 6 of V101 (7B7) and align L103 with C118 and C117 using the same procedure as used in aligning L105 and L104.

The I.F. response curve should be similar to the curve shown below.



Oscillator Alignment

The tuning meter on the front panel of the tuner may be used as an indicator when aligning the R-F and Oscillator section.

Connect the signal generator to the antenna terminal through a 0.01 MF capacitor.

Set the signal generator and tuner to 1300 KC. Output of the signal generator should be such that a reading of approximately 6 on the tuning meter is obtained.

Adjust C101D for maximum output.

Set the signal generator and tuner to 700KC and adjust L106 for maximum output. This procedure should be repeated for accurate calibration.

R-F Alignment

7B7 audio cathode follower	1	6.3 A.C.	6.3 A.C.	less than 0.1 ohm
	2	120	120	34K
	3	290	290	40K
	4	45	0	0
	5	45	0	2 megs.
	6	290	290	2 megs.
	7	120	120	34K
	8	GND.	GND.	GND.
5A2A rectifier	1	110 V.A.C.	110 V.A.C.	infinite
	2	tie point	tie point	
	3	5 V.A.C.	5 V.A.C.	40K
	4	300	300	40K
	5	290	290	40K
	6	tie point	tie point	
	7	350 A.C.	350 A.C.	100 ohm
	8	350 A.C.	350 A.C.	100 ohm

Set the signal generator and tuner to 1300 KC and adjust C101C for maximum output.

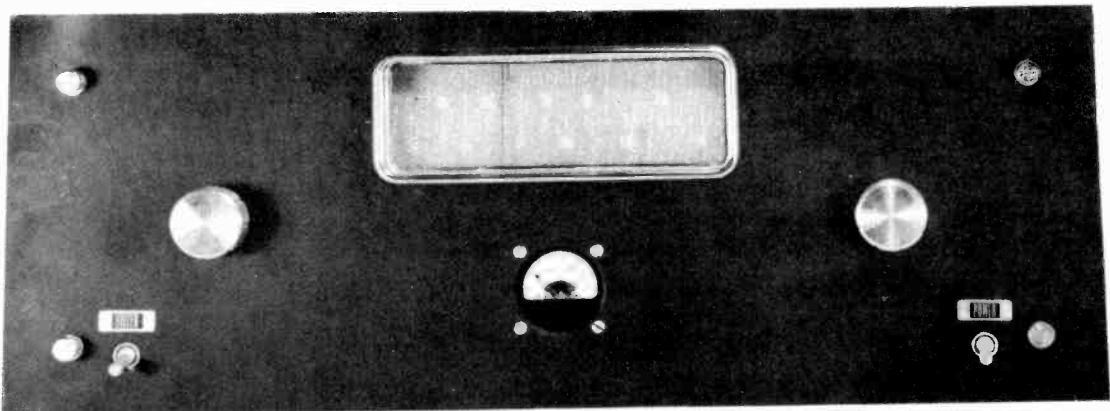
Set the signal generator and receiver to 700 KC and adjust L101 for maximum output.

When the tuner is tuned across the signal a succession of 2 peaks should appear on the tuning meter. Both peaks should have equal amplitude, and the dip in the middle should be equal to approximately 1 division on the meter scale. The maximum reading on the tuning meter should be at least 5 when adjusting C101C and L101 for this indication.

This adjustment may have to be repeated before the R-F alignment is satisfactory.

If there are strong stations at approximately 700 KC and 1300 KC, these may be used instead of the signal generator.

ALL VOLTAGE AND RESISTANCE MEASUREMENTS MADE WITH RESPECT TO CHASSIS GROUND.
AND WITH A LINE VOLTAGE OF 116 V.A.C.



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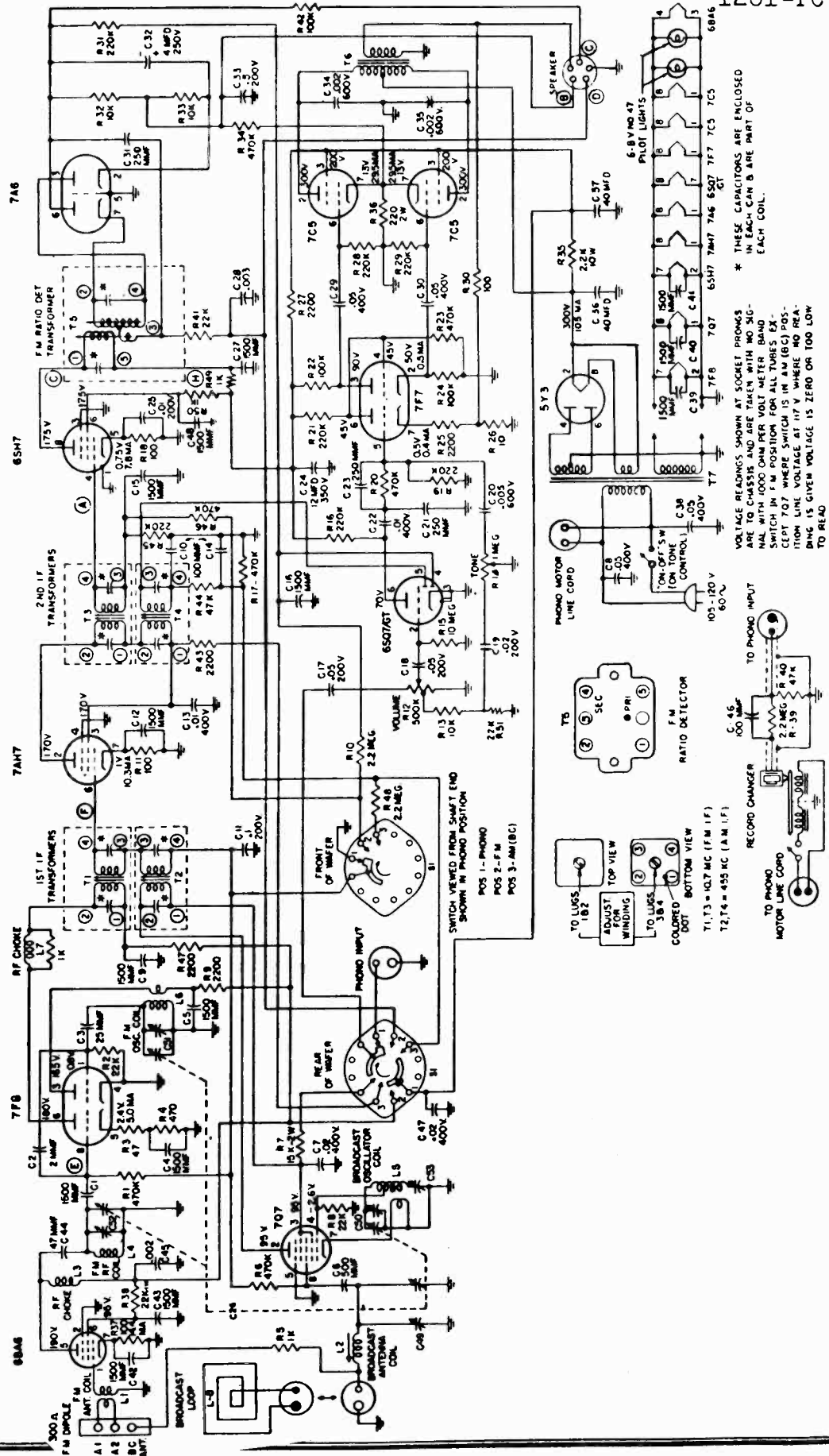
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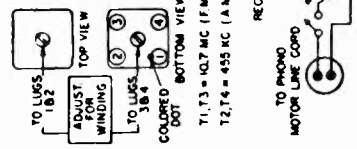
LEAR, INC.

MODELS 861-PC,
1281-PC



* THESE CAPACITORS ARE ENCLOSED IN EACH CAN BE PART OF EACH COIL.

VOLTAGE READINGS SHOWN AT SOCKET PROMPTS ARE GIVEN FOR THE FOLLOWING TUBE SOCKETS WITH 1000 OHM PER VOLT METER BAND SWITCH IN FM POSITION FOR ALL TUBES EXCEPT 7A7 WHERE SWITCH IS IN AM (BC) POSITION. LINE VOLTAGE AT 117 V WHERE NO READING IS GIVEN VOLTAGE IS ZERO OR TOO LOW TO READ.



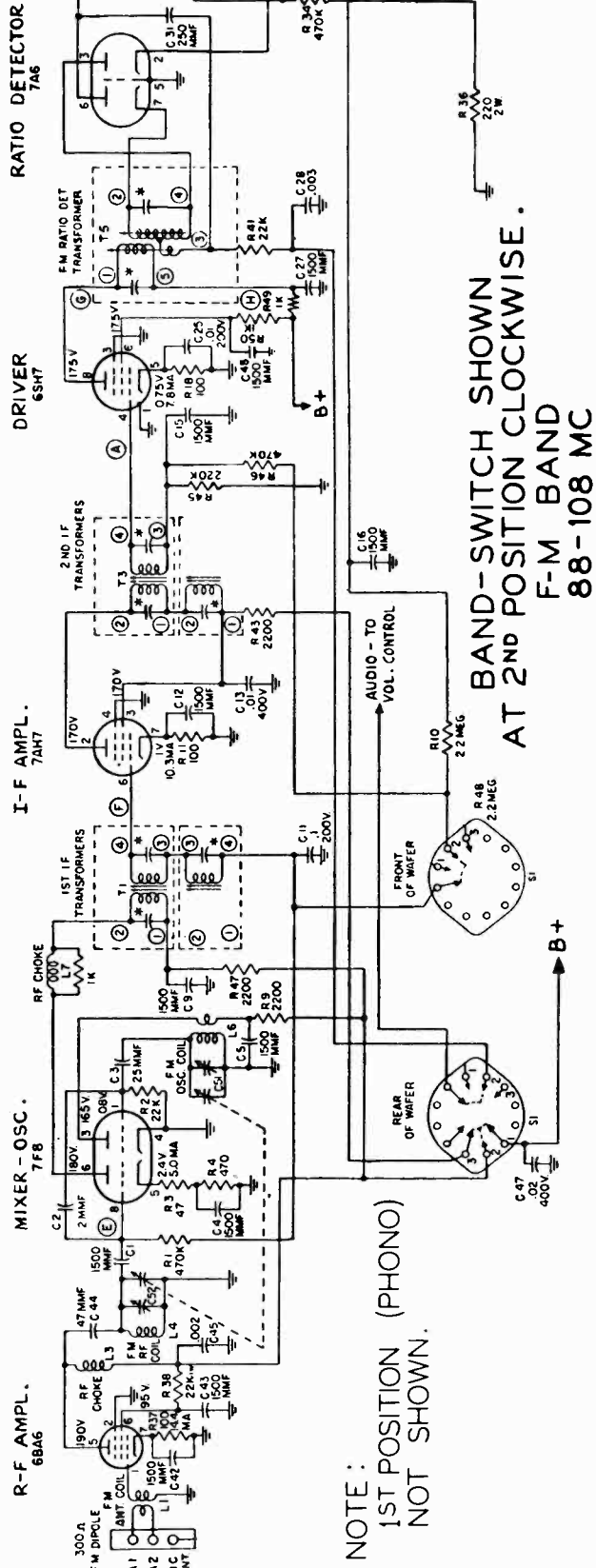
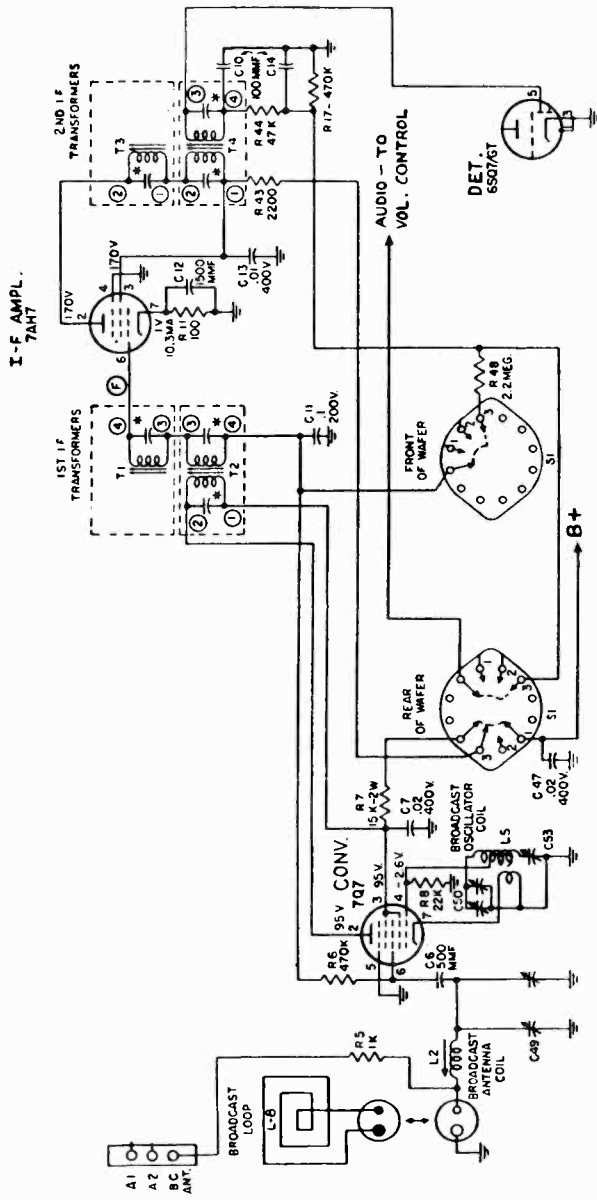
CLARI - SKEMATIX

Registered Trademark

LEAR, INC.

MODEL 1281

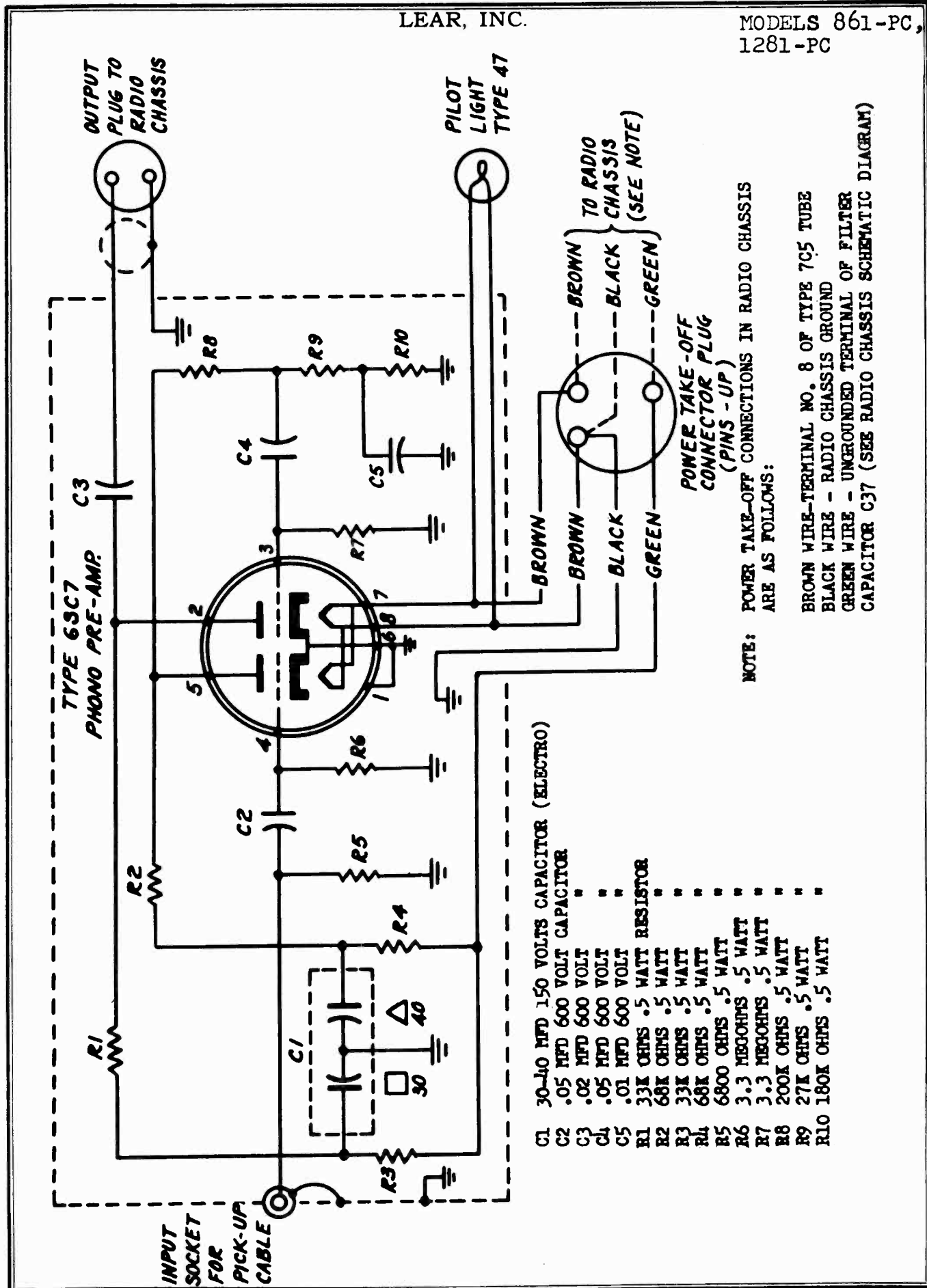
BAND-SWITCH SHOWN
AT 3RD POSITION CLOCKWISE
BROADCAST BAND
540-1700 KC



NOTE:
1ST POSITION (PHONO)
NOT SHOWN.

LEAR, INC.

MODELS 861-PC,
1281-PC



- C1 30-40 MFD 150 VOLTS CAPACITOR (ELECTRO)
- C2 .05 MFD 600 VOLT CAPACITOR
- C3 .02 MFD 600 VOLT
- C4 .05 MFD 600 VOLT
- C5 .01 MFD 600 VOLT
- R1 33K OHMS .5 WATT RESISTOR
- R2 68K OHMS .5 WATT
- R3 33K OHMS .5 WATT
- R4 68K OHMS .5 WATT
- R5 6800 OHMS .5 WATT
- R6 3.3 MEGOHMS .5 WATT
- R7 3.3 MEGOHMS .5 WATT
- R8 200K OHMS .5 WATT
- R9 27K OHMS .5 WATT
- R10 180K OHMS .5 WATT

NOTE: POWER TAKE-OFF CONNECTIONS IN RADIO CHASSIS ARE AS FOLLOWS:
 BROWN WIRE-TERMINAL NO. 8 OF TYPE 7C5 TUBE
 BLACK WIRE - RADIO CHASSIS GROUND
 GREEN WIRE - UNGROUNDED TERMINAL OF FILTER CAPACITOR C37 (SEE RADIO CHASSIS SCHEMATIC DIAGRAM)

POWER TAKE-OFF CONNECTOR PLUG (PINS - UP)

MODELS 861-PC,
1281-PC

LEAR, INC.

ALIGNMENT PROCEDURE FOR A.M.:

Equipment Required:

- a) Broadcast Band Signal Generator.
- b) Output Meter.

1. Set band switch to AM. Advance volume control to full volume setting.
2. Connect output meter across voice coil.
3. Connect the Signal Generator across the broadcast band antenna section of the variable condenser. The "high" side of the Generator should connect to the stator section and the "ground" side to the frame or chassis. Adjust the Signal Generator to 455 kc and with the receiver switched on, adjust the first and second I.F. transformers for peak output as shown on the output meter. The signal injected into the receiver should be as small in magnitude, as possible, consistent with a useful deflection on the output meter.
4. Connect the "high" side of the Generator to the antenna terminal with a 200 mmf condenser inserted in series. Connect the "ground" side of the Generator to the chassis. Tune receiver to 60 on the dial, adjust Signal Generator to 600 kc. Adjust the BC padder and the BC antenna coil for maximum deflection on the output meter. Use a weak signal.
5. Tune receiver to 160 on the dial. Adjust Signal Generator to 1600 kc. Adjust BC oscillator and BC antenna trimmers for maximum output.
6. Repeat operations 4 and 5.

ALIGNMENT PROCEDURE FOR F.M.:

Note: Points A, B, C, D, E, F, G, and H are noted on circuit diagram.

Points B, C, and D have been brought out to the unused contacts of the speaker socket at the rear of the chassis.

Equipment Required:

- a) High frequency Signal Generator with 88-108 Mc tuning range.
- b) Signal Generator capable of delivering .1 V at 10.7 mc.
- c) Audio output meter.
- d) D.C. vacuum tube voltmeter with zero center scale.

a. Ratio Detector Alignment:

1. Connect V.T.V.M. across points "B" and "C" (A.V.C. Voltage).
2. Feed 10.7 mc unmodulated R.F. signal into 6SH7 grid (point A) through .01 μ fd. condenser. This signal should be .1 volt.
3. Adjust primary of Ratio Detector (T-5) for maximum voltage indication on V.T.V.M.
4. Connect zero centered V.T.V.M. across points "B" and "D".
5. Adjust secondary of Ratio Detector (T-5) for zero indication.

6. Tune 10.7 mc Signal Generator higher in frequency (about 200 kc) until maximum voltage reading is obtained on V.T.V.M.; note this voltage, then tune signal generator lower in frequency until maximum voltage of the opposite polarity is obtained. Note this voltage, then if necessary re-adjust primary of the Det. (T-5) until the detector voltages are about equal on either the high or low side of 10.7 mc.

b. 10.7 I.F. Alignment:

1. Shunt a 1,000-ohm carbon resistor across the primary of the detector (T-5) (Points G and H).
2. Connect output meter across speaker voice coil.
3. Volume and tone controls at maximum clockwise position.
4. Connect 10.7 mc (modulated 30% signal generator through .01 μ fd. condenser across point "F" and ground.
5. Adjust secondary, then primary of (T-3) for maximum audio output. (Reduce input signal to maintain output at .5-watt level.)
6. Connect 10.7 mc 30% modulated signal generator across point "E" and ground.
7. Adjust secondary, then primary of (T-1) for maximum audio output. (Reduce input signal to maintain output at .5-watt level.)
8. Remove 1000-ohm shunting resistor from across primary of (T-5).

c. Oscillator and R.F. Alignment:

1. Connect V.T.V.M. across "B" and "C" (A.V.C. voltage).
2. Connect 108 mc signal generator to FM antenna terminals. If generator impedance is low, put one 150-ohm carbon resistor in series with each of the generator leads. Tune receiver dial to 108 mc.
3. Adjust FM oscillator trimmer (C-51) for maximum V.T.V.M. reading.
4. Adjust FM R.F. trimmer (C-52) for maximum V.T.V.M. reading. During alignment reduce input signal to maintain A.V.C. voltage at 2 V.
5. Repeat steps 3 and 4.
6. Feed a 90 mc signal into antenna terminals (as in C-2), tune receiver dial to signal.
7. Adjust spacing of FM R.F. coil (L-4) for maximum V.T.V.M. reading at 90 mc. During alignment reduce input signal to maintain A.V.C. voltage at 2 V.
8. Repeat steps 2 and 4 if necessary.

LEAR, INC.

MODELS 861-PC,
1281-PC

Tube Complement:

- 1 Type 6BA6—FM RF Amplifier.
- 1 Type 7F8—FM Mixer, oscillator.
- 1 Type 7AH7—1st IF Amplifier.
- 1 Type 6SH7—FM Detector Driver.
- 1 Type 7A6—FM Detector.
- 1 Type 6SQ7/GT—AM Det., A.V.C. and 1st Audio Amplifier.
- 1 Type 7F7—2nd Audio, Phase Inverter.
- 2 Type 7C5—Push-pull Power Amplifiers.
- 1 Type 5Y3—Rectifier.
- 1 Type 7Q7—AM Mixer Oscillator.

A.M. — 540 Kc. to 1700 Kc.
F. M. — 88 Mc. to 108 Mc.

Power:

This receiver operates on 105-125 volts, 60 cycle, AC. Do not plug this radio receiver into a direct current socket. Power consumption is 80 watts.

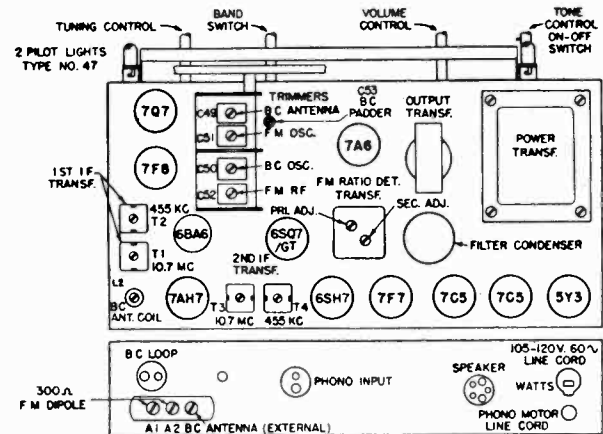


Figure 1. Tube and Trimmer Locations.

PARTS LIST:

- | | | |
|--|---|---|
| <p>C 1—1,500 mmfd., ± 300 mmfd.
C 2—2 mmfd., 20%
C 3—25 mmfd., 10%
C 4—1,500 mmfd., ±300 mmfd.
C 5—1,500 mmfd., ±300 mmfd.
C 6—500 mmfd., 20%
C 7—.02 mfd., 400 V.
C 8—.05 mfd., 400 V.
C 9—1,500 mmfd., ±300 mmfd.
C10—100 mmfd., 20%
C11—.1 mfd., 200 V.
C12—1,500 mmfd., ±300 mmfd.
C13—.01 mfd., 400 V.
C14—100 mmfd., 20%
C15—1,500 mmfd., ±300 mmfd.
C16—1,500 mmfd., ±300 mmfd.
C17—.05 mfd., 200 V.
C18—.05 mfd., 200 V.
C19—.02 mfd., 200 V.
C20—.005 mfd., 600 V.
C21—250 mmfd., 20%
C22—.01 mfd., 400 V.
C23—250 mmfd., 20%
C24—12 mfd., 350 V.
C25—.01 mfd., 200 V.
C26—Var. cond. (AM-FM) *C-6.0 12
C27—1,500 mmfd., ±300 mmfd.
C28—.003 mfd., 20%
C29—.05 mfd., 400 V.
C30—.05 mfd., 400 V.
C31—250 mmfd., 20%
C32—4 mfd., 250 V.
C33—.5 mfd., 200 V.
C34—.002 mfd., 600 V.
C35—.002 mfd., 600 V.
C36 & C37—40 mfd. x 40 mfd.,
electrolytic, 400 V.
C38—.05 mfd., 400 V.
C39—1,500 mmfd., ±300 mmfd.
C40—1,500 mmfd., ±300 mmfd.
C41—1,500 mmfd., ±300 mmfd.
C42—1,500 mmfd., ±300 mmfd.
C43—1,500 mmfd., ±300 mmfd.</p> | <p>C44—47 mmfd., 10%
C45—.002 mfd., 400 V.
C46—100 mmfd., 20%
C47—.02 mfd., 400 V.
C48—1,500 mmfd., ±300 mmfd.
C49—Trimmer, compression,
3-35 mmfd.
C50—Trimmer, compression,
3-35 mmfd.
C51—Trimmer, ceramic, 1.5-7 mmfd.
C52—Trimmer, compression,
1.6-18 mmfd.
C53—Padder condenser,
275-1,000 mmfd.
R 1—470KΩ, 1/4W., 20%
R 2—22KΩ, 1/4W., 20%
R 3—47Ω, 1/4W., 20%
R 4—470Ω, 1/4W., 20%
R 5—1KΩ, 1/4W., 20%
R 6—470KΩ, 1/4W., 20%
R 7—15KΩ, 2W., 20%
R 8—22KΩ, 1/4W., 20%
R 9—2,200Ω, 1/4W., 20%
R10—2.2 Meg.Ω, 1/4W., 20%
R11—100Ω, 1/4W., 20%
R12—.5 Meg.Ω Volume Control
(Audio Taper) tapped at
50KΩ *RA-9.069
R13—10KΩ, 1/4W., 20%
R14—1 Meg.Ω Tone Control, with
power switch *RA-9.070
R15—10 Meg.Ω, 1/4W., 20%
R16—220KΩ, 1/4W., 20%
R17—470KΩ, 1/4W., 20%
R18—100Ω, 1/4W., 20%
R19—220KΩ, 1/4W., 20%
R20—470KΩ, 1/4W., 20%
R21—220KΩ, 1/4W., 20%
R22—100KΩ, 1/4W., 20%
R23—470KΩ, 1/4W., 20%
R24—100KΩ, 1/4W., 20%
R25—2,200Ω, 1/4W., 20%
R26—10Ω, 1/4W., 20%
R27—2,200Ω, 1/4W., 20%</p> | <p>R28—220KΩ, 1/4W., 20%
R29—220KΩ, 1/4W., 20%
R30—100Ω, 1/4W., 20%
R31—220KΩ, 1/4W., 20%
R32—10KΩ, 1/4W., 20%
R33—10KΩ, 1/4W., 20%
R34—470KΩ, 1/4W., 20%
R35—2,200Ω, 10W., wirewound, 10%
R36—220Ω, 2W., 20%
R37—100Ω, 1/4W., 20%
R38—22KΩ, 1W., 20%
R39—2.2 Meg.Ω, 1/4W., 20%
R40—47KΩ, 1/4W., 20%
R41—22KΩ, 1/4W., 20%
R42—100KΩ, 1/4W., 20%
R43—2,200Ω, 1/4W., 20%
R44—47KΩ, 1/4W., 20%
R45—220KΩ, 1/4W., 20%
R46—470KΩ, 1/4W., 20%
R47—2,200Ω, 1/4W., 20%
R48—2.2 Meg.Ω, 1/4W., 20%
R49—1KΩ, 1/4W., 20%
R50—1KΩ, 1/4W., 20%
T 1—FM I.F. Trans., 10.7 Mc. *ZB-2.276
T 2—AM I.F. Trans., 455 Kc. *ZB-2.275
T 3—FM I.F. Trans., 10.7 Mc. *ZB-2.276
T 4—AM I.F. Trans., 455 Kc. *ZB-2.275
T 5—FM Ratio Detector Trans-
former, 10.7 Mc. *ZC-2.278
T 6—Output Trans. *ZB-15.019
T 7—Power Trans. *TA-18.053
S 1—Band Switch *SA-12.060
L 1—FM Antenna Coil *LA-2.241
L 2—Antenna Coil, Broadcast *LA-2.273
L 3—R.F. Plate Choke *LA-2.279
L 4—R.F. Coil, FM *LA-2.243
L 5—Oscillator Coil, Broadcast *LA-2.221
L 6—Oscillator Coil, FM *LA-2.222
L 7—R.F. Choke, Conv. Plate *LA-2.242
L 8—Loop, Broadcast *LC-5.018
Antenna, FM, Folded Dipole
(300Ω) *LA-5.010
Pilot Lamp, No. 47, 6-8 V.</p> |
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Part No. NG-500 Rev. 11-12-47

* Mfg. Part No.

