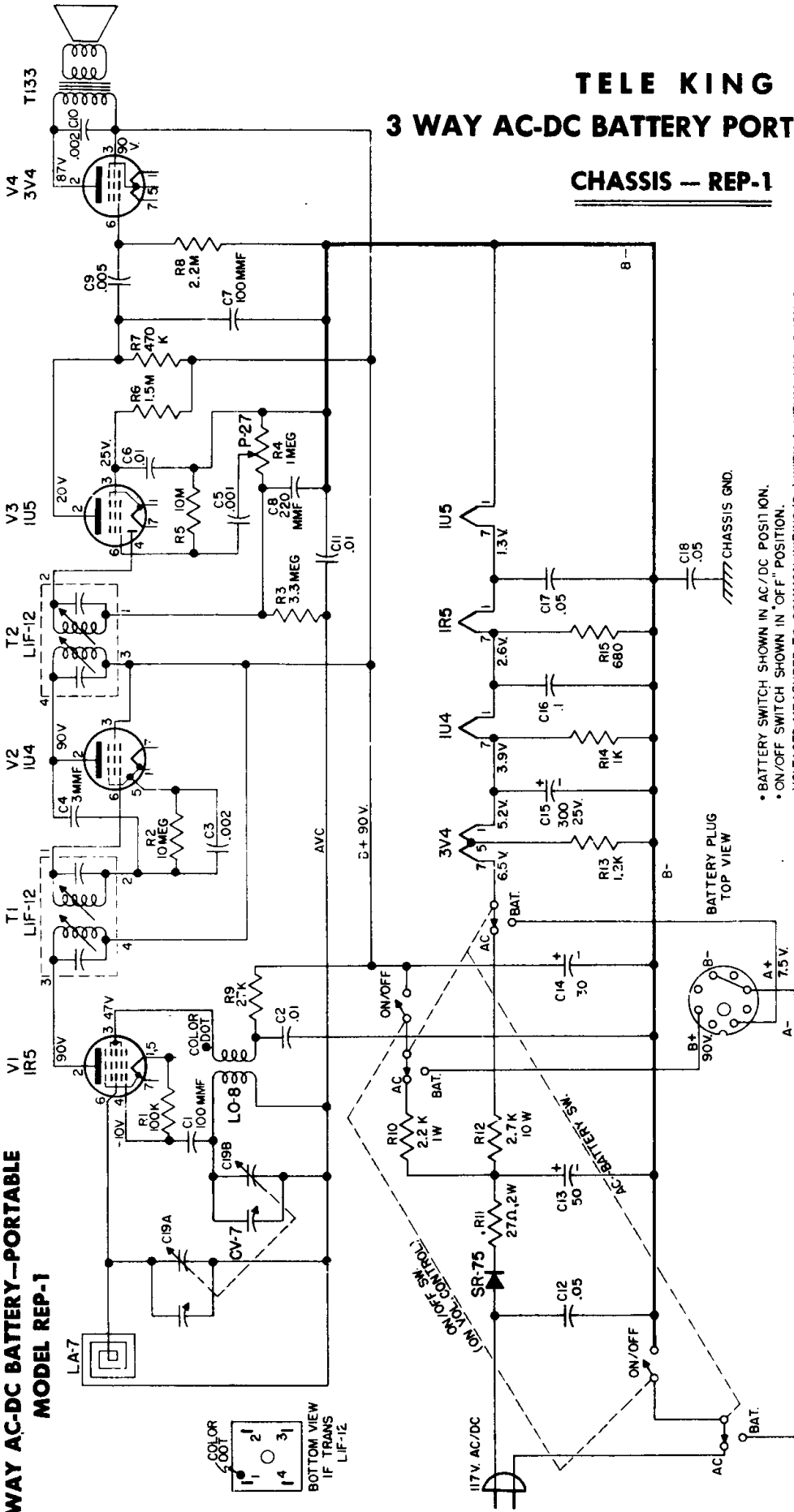


3 WAY AC-DC BATTERY—PORTABLE
MODEL REP-1



TELE KING
3 WAY AC-DC BATTERY PORTABLE RADIO
CHASSIS — REP-1

ALIGNMENT CHART

STEPS	ALIGN	DUMMY ANTENNA	GENERATOR FREQUENCY	DIAL SETTING	CONNECT GENERATOR TO	ADJUST	OUTPUT METER ACROSS VOICE COIL
1	2nd I.F.	.05	455 KC	High Freq. End	Pin 6—1R5 Converter Grid	T-2 Double Slug	Peak for Max.
2	1st I.F.	.05	455 KC	High Freq. End	Pin 6—1R5 Converter Grid	T-1 Double Slug	Peak for Max.
3	Osc.	.05	1650 KC	High Freq. End	Pin 6—1R5 Converter Grid	C19B Osc. Tuner Trim	Peak for Max.
4	Loop Ant.	Radiate into Loop Ant.	1500 KC	1500 KC	Several Turns Around Loop	C19A Loop Tuner Trim	Peak for Max.
5	Repeat Steps 3 and 4						

- BATTERY SWITCH SHOWN IN AC/DC POSITION.
- ON/OFF SWITCH SHOWN IN "OFF" POSITION.
- VOLTAGES MEASURED TO COMMON WIRING (B-) WITH A VTVM AND SHOULD HOLD WITHIN $\pm 10\%$ WITH 117 V. AC LINE.
- VALUE OF ALL CAPACITORS IN MFD, UNLESS OTHERWISE SPECIFIED.

- Schematic Symbol No.
- LA-7
 - LO-8
 - P-27 (R-4)
 - R-1
 - R-2, R-5
 - R-3
 - R-6
 - R-7
 - R-8
 - R-9
 - R-10
 - R-11
 - R-12
 - R-13
 - R-14
 - R-15
 - C-1, C-7
 - C-2, C-6, C-11
 - C-3, C-10
 - C-4
 - C-5
 - C-8
 - C-9
 - C-12, C-18, C-17
 - C-13, C-14, C-15
 - C-16
 - 50-30 Mfd 150V
 - 300 Mfd—25V Electrolytic (Can)
 - .1 Mfd $\pm 200V$
- Description
- Oscillator Coil
 - Volume Control 1 Meg. with Switch
 - 100K ohms $\frac{1}{2}W$
 - 10 Meg ohm $\frac{1}{2}W$
 - 3.3 Meg ohm $\frac{1}{2}W$
 - 1.5 Meg ohm $\frac{1}{2}W$
 - 470K ohm $\frac{1}{2}W$
 - 2.2 Meg ohm $\frac{1}{2}W$
 - 27K ohm $\frac{1}{2}W$
 - 27 ohm 2W
 - 2.7K ohm 10W Wire Wound
 - 1.2K ohm $\frac{1}{2}W$
 - 1K ohm $\frac{1}{2}W$
 - 680 ohm $\frac{1}{2}W$
 - 100 MMfd—500V Tubular
 - .01 Mfd—200V
 - .002—600V
 - 3 MMfd—500V Miniature

LINE VOLTAGE: 117 VOLTS AC								FULL VOLUME CONTROL — NO SIGNAL	
TUBE	Pin #1	Pin #2	Pin #3	Pin #4	Pin #5	Pin #6	Pin #7		
1R5	1.25 V	98 V	48 V	-10 V	1.25 V	-4 V	2.5 V		
1U5	0 V	25 V	26 V	-.4 V	0 V	-.2 V	1.25 V		PORTABLE RADIO
1U4	2.5 V	98 V	97 V	0 V	2.5 V	1.3 V	3.75 V		
3V4	3.75 V	93 V	97 V	0 V	5.1 V	0 V	6.3 V		

Voltage readings made with V.T. VM from pins designated to B—.

B+ at input filter — 125V DC.
B+ at output filter — 98V DC.