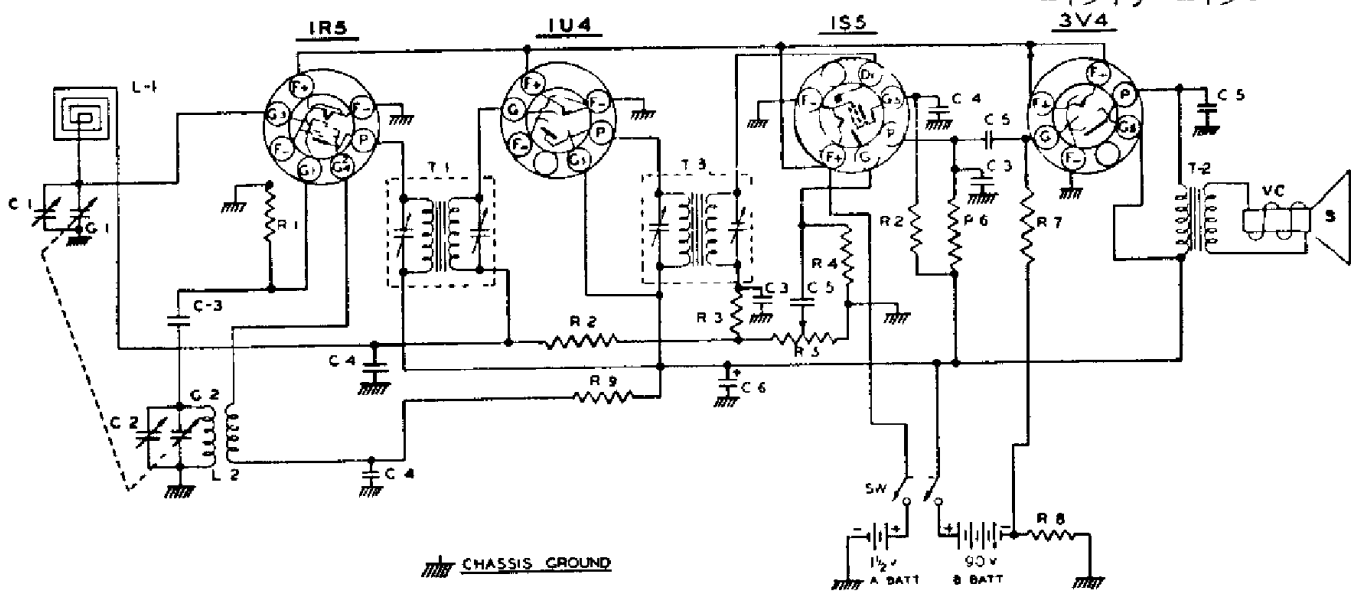

ALIGNMENT AND SERVICE DATA

PART NO		DESCRIPTION
1R-20	R 1	220M Ω RESISTOR 1/2W 20 %
1R-23	R 2	3.3MEG RESISTOR 1/2W 20 %
1R 31	R 3	82M Ω RESISTOR 1/2W 10 %
1R 3	R 4	10MEG RESISTOR 1/2W 20 %
VC 8	R 5	1MEG VOLUME CONTROL
1R 12	R 6	1MEG RESISTOR 1/2W 20 %
1R 13	R 7	2.2MEG RESISTOR 1/2W 20 %
1R 39	R 8	620 Ω RESISTOR 1/2W 5 %
1R-37	R 9	10M Ω RESISTOR 1/2W 20 %
TC 7	C 1	ANT TRIMMER
	C 2	OSC TRIMMER ON GANG
MC 2	C 3	100 MMFD MICA CONDENSER
PC 7	C-4	.01 MFD 400 V CONDENSER
PC 6	C 5	.005 MFD 600 V CONDENSER
EC 7	C 6	20MFD 80WV ELECTROLYTIC
GC-5	G 1 G 2	GANG CONDENSER
LL 5	L 1	LOOP ANTENNA
LO 12	L 2	OSC COIL
LI 5	T 1	I F TRANSFORMER INPUT
	SW	DPST SWITCH ON VOLUME CONTROL
	T 2	SPEAKER TRANSFORMER
SPK 5	VC	VOICE COIL
	S	PM SPEAKER
LI 4	T 3	I F TRANSFORMER OUTPUT
TU 30		1R5 1U4 1S5 3V4

Remove chassis from cabinet for alignment A signal generator is required having the following frequencies 455 KC and 1400 KC An output meter should be connected across the speaker

FIRST STEP Connect the hot lead from the generator to the ANT section of the gang condenser, through a .1 MFD condenser. The ground lead from the generator may be connected to any spot on the metal chassis Turn the gang condenser to complete minimum capacity. Set the generator to 455 KC Adjust the movable trimmers in the IF cans, until a maximum reading is noted on the output meter

The volume control of the receiver should be turned to maximum during the IF and all subsequent alignment and the generator output as low as possible to prevent the AVC from working and giving false readings

SECOND STEP With the leads from the generator still connected as in IF alignment, adjust the generator to 400 KC Set the dial pointer to 1400 KC on the dial scale Adjust the oscillator trimmer until the signal is tuned in

THIRD STEP Remove the generator leads from the condenser Connect the hot lead from the generator through a 200 MMFD condenser to one of the leads which project from the back of the loop antenna Connect the ground lead of the generator to the remaining lead With the generator and the receiver still tuned to 1400 KC, adjust the antenna trimmer until a maximum reading is noted on the output meter.

TUBE AND TRIMMER LOCATION