ADMIRAL

5R11, 5R12, 5R13, 5X1

RESISTORS

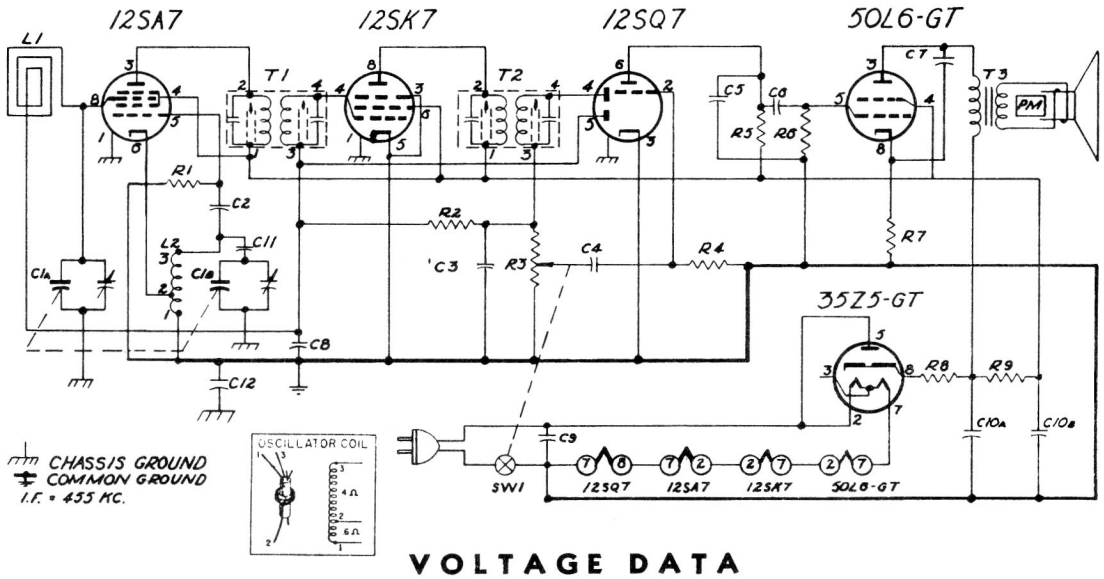
Symbol	Description
R1	22,000 ohm ½ watt
R2	1 meg ohm ½ watt
R3	1 meg ohm Volume Control & Off-On Switch (SWI)
R4	4.7 meg ohms ½ watt
R5	470,000 ohms ½ watt
R6	470,000 ohms ½ watt
R7	150 ohms ½ watt
R8	33 ohms 1 watt
R9	1000 ohms 1 watt

CONDENSERS

C1a	Gang 0 to 420 mmfd)
C1b	Gang 0 to 108.0 mmfd) (Spot welded to drum)
C2	50 mmfd Ceramic
C3	250 mmfd Ceramic
C4	.01 mfd, 400 volts
C5	250 mfd, 500 volts
C6	.01 mfd, 400 v. paper
C7	.02 mfd, 400 v. paper
C8	.1 mfd, 200 v. paper
C9	.03 mfd, 400 v. paper
C10a	50 mmfd 150 volts
C10b	30 mmfd 150 v.) Elec.
C11	.03 mfd 400 v. paper
C12	.18 mfd 200 v. paper

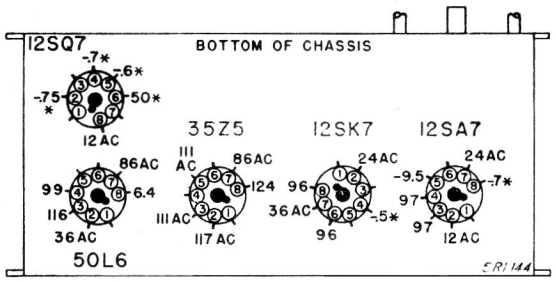
COILS, TRANSFORMERS, Etc.

L1	Antenna Loop
L2	Coil, Oscillator
T1	Transformer 1st. I.F.
T2	Transformer 2nd. I.F.
T3	Transformer, Output ... Speaker (5" P.M.) and output Transformer
SW1	Switch On-Off



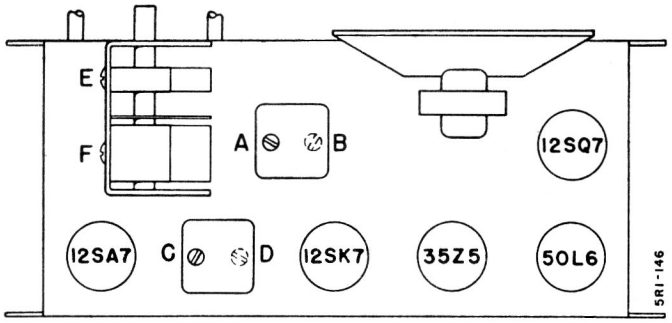
VOLTAGE DATA

- All readings made between tube socket terminals and B minus (terminal of On-Off switch).
- Dial turned to low frequency end; volume control at minimum.
- Measured on 117 Volts AC line. When measured from DC line, voltages may be slightly lower.
- Voltages measured with Vacuum Tube Voltmeter. Readings taken with a 1,000 ohm per volt meter will be approximately the same except for those marked with an asterisk * in the voltage chart; these readings will either be lower or practically zero.



ALIGNMENT PROCEDURE

- Connect output meter across voice coil.
- Turn receiver volume control full on.
- Use an isolation transformer if available, otherwise connect a .1 mfd. condenser in series with low side of signal generator and attach to B minus of chassis.
- Use lowest output setting of signal generator capable of producing adequate output meter indication and then proceed as outlined in chart below.
- Repeat adjustments to insure good results.



NOTE

To avoid splitting the slotted head of powdered iron core tuning slugs in I.F. transformers, use an alignment tool having a blade ⅛" wide.

Step	Dummy Antenna in Series with Signal Generator	Connection of Signal Generator (High Side)	Signal Generator Frequency	Receiver Gang Setting	Trimmer Description	Trimmer Designation	Type of Adjustment
1	.05 mfd. condenser	Tuning condenser Antenna stator	455 KC	Gang fully open	2nd IF 1st IF	A, B C, D	Maximum Output
2	250 mmfd. condenser	Tuning condenser Antenna stator	1620 KC	Gang fully open	Oscillator (on gang)	E	Maximum Output
3	Loop of several turns of wire (or place generator lead close to receiver loop for adequate signal).	No physical connection (signal by radiation)	1400 KC	Tune in generator signal	Antenna (on gang)	F	Maximum Output
4	Upon completion of alignment, install chassis in cabinet. Mount and set dial pointer as shown in Dial Stringing and Pointer Setting Diagram.						

NOTE: Adjustments B and D are made from underside of chassis. In case of permeability tuned I.F.

POINTER SETTING AND DIAL CORD STRINGING