

Input Voltage: 117 volts

Power Frequency: 60 cycles

Range: 540 KC to 1630 KC and 5.3 MC to 18 MC.

Intermediate Frequency: 455 KC

Tubes: Total, 6: 1-6SG7, 1-6SA7, 1-6SK7, 1-6H6, 1-6U5, 1-6X5

Output: The output matches a high impedance phonograph line.

Installation: Connect an antenna and ground to the terminals marked "ANT" and "GND". From the audio output jack, connect with a single conductor shielded wire (to reduce the possibility of hum pickup) to the amplifiers.

Aligning Instructions: Allow tuner to warm up for 10 minutes before aligning.

I.F. Alignment:

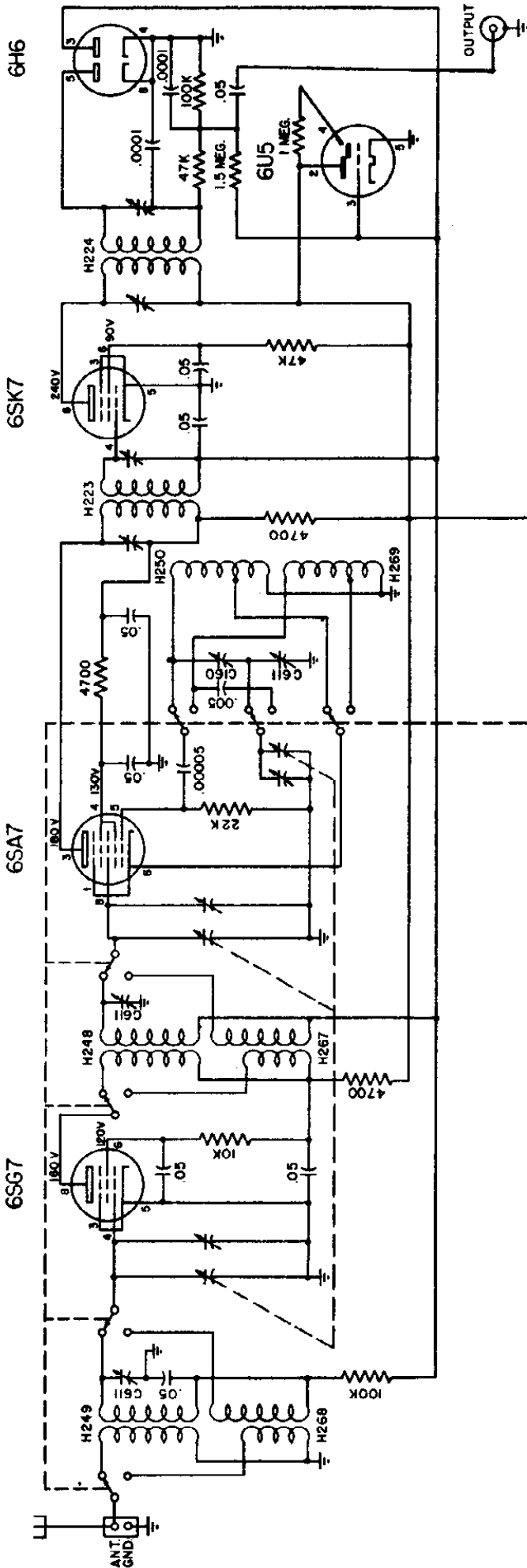
- 1- Connect the test oscillator output to R.F. section of variable condenser.
- 2- With "Band Selector Switch" in "Broadcast" position turn station selector to 540 KC.
- 3- Tune test oscillator to 455KC and adjust its output so that the tuning indicator tube starts to close.
- 4- Adjust the I.F. trimmers for the narrowest shadow in the tuning eye, readjusting the oscillator output as necessary.

Short Wave Band Alignment:

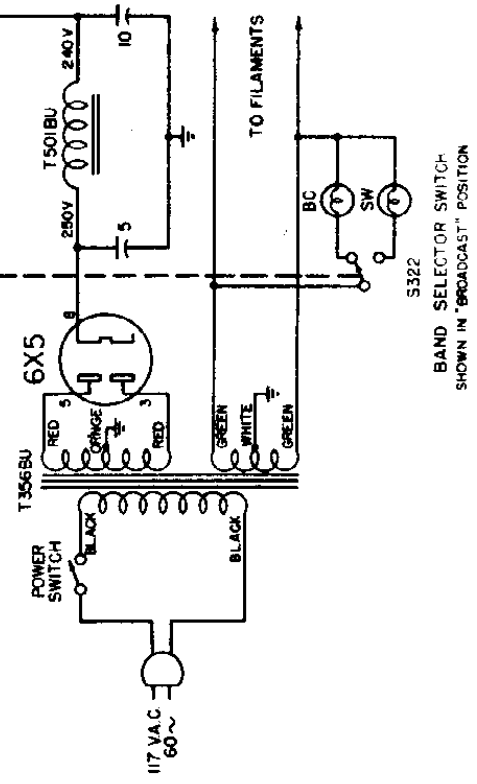
- 1- Connect the test oscillator output to the "ANT" and "GND" terminals of the tuner.
- 2- Set both the test oscillator and tuner dials to 18 MC.
- 3- Make certain that the tuner's variable condenser plates are fully open when the dial pointer is at 18 MC.
- 4- Adjust trimmer on the oscillator section of the variable condenser for minimum shadow in tuning indicator.
- 5- Set both test oscillator and tuner dials to 16 MC.
- 6- Adjust trimmers on the Antenna and R.F. sections of the variable condenser for minimum shadow in tuning indicator.

Broadcast Band Alignment:

- 1- Put "Band Selector Switch" in the "Broadcast" position.
- 2- Set both the test oscillator and tuner dials to 540 KC.
- 3- Adjust padder condenser for minimum shadow in indicator tube.
- 4- Set both the test oscillator and tuner dials to 1630 KC.
- 5- Make certain that the tuner's variable condenser plates are fully open when the dial pointer is at 1630 KC.
- 6- Adjust "broadcast" trimmer of oscillator for minimum shadow in tuning indicator.
- 7- Set both test oscillator and tuner dials to 1400 KC.
- 8- Adjust "Broadcast" trimmers of antenna and R.F. circuit for minimum shadow in indicator tube.
- 9- Set both the test oscillator and tuner dials to 600 KC.
- 10- Readjust padder condenser for minimum shadow in indicator tube
- 11- Set both the test oscillator and tuner dials to 1400 KC.
- 12- Readjust "broadcast" trimmers of antenna and R.F. circuit for minimum shadow in indicator tube.



NOTES -- ALL CAPACITANCE VALUES IN MFD.
 ALL VOLTAGE READINGS TAKEN WITH A
 20,000 OHMS PER VOLT METER
 UNDER NO-SIGNAL CONDITIONS.
 IF FREQUENCY . 455 KC
 BROADCAST RANGE . 1630 - 540 KC
 SHORT WAVE RANGE . 18 - 5.3 MC



BAND SELECTOR SWITCH
 SHOWN IN "BROADCAST" POSITION