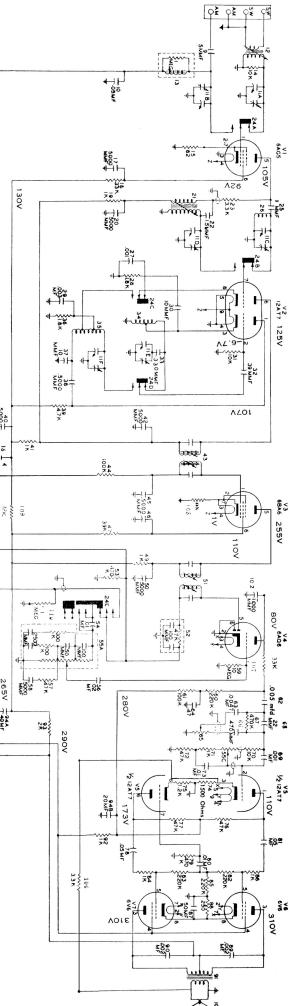
R641 (Chanson)



VOLTAGE MEASUREMENTS

STET (*)

6.3 V @1.5 A. 6.3 V. @ 2A

(10 kg)

₩<u>0</u>0

50000 WF #

16 ★ ★

265V

HOAA AAGA

AMEG.

3200

F***

All voltages measured to receiver chassis using a 20,000 ohm per valt meter with the receiver connected to a 117 volt 60 cycle power

Tune receiver at the low end of the dial at a point where there is no received signal with the Volume control set to its minimum position Set Tone controls to the maximum clockwise position. Connect both

All voltages were measured with the Band Switch set to the AM

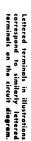
No voltage reading at a tube element indicates zero voltage or voltage which cannot be accurately measured with a 20,000 ohm per volt meter.

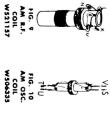
HUM CONTROL

This control balances out the amount of A.C. hum derived from the heater filaments of the audio tubes.

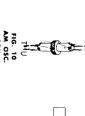
Should this hum become objectionable or if audio tube replacement is undertaken, adjustment of this control may be required and can

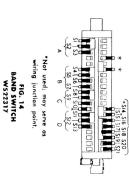
- With the receiver installed in the cobinet, set the receiver to the Phono position.
- 2. Turn the two Tone controls to the maximum clockwise position.
- 3. Turn the Volume control to the maximum clockwise position.
- In a quiet room, adjust Hum control, located at side of chassis to the minimum hum position.

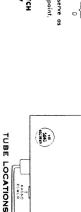












PONCH ONOHO

CONTROL

SPEAKER LEADS 19909 19909

BROADCAST BAND - "AM" - ALIGNMENT PROCEDURE

- 1. Disconnect leads from SW-AM antenna terminal strip (labeled SW-SW-AM-AM) at back of chassis; also disconnect speaker plug and record changer plugs. Remove all chassis and speaker from cabinet. If desired, allow speaker to remain in cabinet and connect to receiver by extension leads.
- 2. With the gang condenser fully meshed, dial pointer should be in the position indicated by the last division below 55 on the dial. If it is set incorrectly, release clip on pointer and reposition pointer.
- Connect an output meter across speaker voice coil.
- Connect ground lead of signal generator to the receiver chassis
- Set volume control to maximum volume position and use a weak signal from the signal generator.

5

4. 3

6.

Set band switch to the "AM" (middle) position.

| Terminal |
|--------------------|
| |
| AM modul- ated. |
| generator signal. |
| |
| Antenna |
| maximum output. |

1. If alignment of both AM and SW channels is required it is necessary to align the AM channel first, then align the SW channel as instructed in chart below (AM alignment procedure is given on the preceding page).

SHORT WAVE - SW - ALIGNMENT PROCEDURE

- 2. Disconnect all leads from antenna terminal strip (labeled SW-SW-AM-AM) at back of chassis; also disconnect speaker plug and record changer plugs. Remove chassis and speaker from cabinet. If desired, allow speaker to remain in cabinet and connect to receiver by extension leads.
- 3. With the gang condenser fully meshed, dial pointer should be in the position indicated by the last division below 9.5 MC on the dial. If it is set incorrectly, release clip on pointer and reposition pointer.
- Set volume control at maximum volume position and use a weak signal from the signal generator.
- Set band switch to the SW (extreme counter-clockwise) position.

5

| : | : | 1 | : | : | 400 Chm Resistor | DUMMY ANT. IN SERIES WITH SIGNAL GENERATOR |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---|
| SW Antenna Terminal | SW Antenna Terminal | SW Antenna Terminal | SW Antenna Terminal | SW Antenna Terminal | SW -Antenna Terminal | CONNECT HIGH SIDE OF SIGNAL GENERATOR |
| 14.0 M.C. | 14.0 M.C. | 10.0 M.C. | 10.0 M.C. | 15.5 M.C. | 9.2 M.C. | SIGNAL GENERATOR FREQUENCY |
| 14.0 M.C. | 14.0 M.C. | 10.0 M.C. | 10.0 M.C. | 15.5 M.C. | Gan, Cond. Fully Meshed | RECEIVER DIAL SETTING |
| No. 15 | No. 14 | No. 13 | No. 12 | No. 11 | No. 10 | TRIMMER OR SLUG NUMBER |
| S.W. Antenna | S.W. R.F. | S.W. Antenna | S.W. R.F. | S.W. Oscillator | S.W. Oscillator | TRIMMER DESCRIP- TION |
| Adjust for Maximum output | TYPE OF ADJUST- MENT |