

Automatic Radio Manufacturing Co., Inc.

122 Brookline Avenue Boston 15, Mass.

TELEVISION RECEIVER MODEL TV-709

MODEL TV-710

INSTALLATION MANUAL

AUTOMATIC TV-709 television receiver is designed to operate on a 105-125 volt AC, 60 cycle power line.

The receiver should not be installed near a radiator or any other area where it will be exposed to excessive heat. The position in a room will depend on the seating and lighting arrangements available. Best performance can be realized in a dim or moderately lit room.

A simple dipole antenna with reflectors used with a 300 ohm transmission line will afford an excellent picture in average cases. The area in which the receiver is to be installed will determine the type of antenna installation necessary.

CONTROLS

The Size, Linearity, Positioning, and Focus Controls should all be checked at the time of installation on a test pattern. These controls can all be adjusted with a screw driver at the back of the receiver.

POSITIONING

Adjust the Positioning Controls so that the picture is centered on the screen.

FOCUS

The Focus Control should be set for the best visible detail on the test pattern.

SIZE

Set the Horizontal and Vertical size controls so that the picture fills the entire screen.

VERTICAL LINEARITY

This Control should be adjusted in conjunction with the Vertical Size Control for the best possible circle on the test pattern.

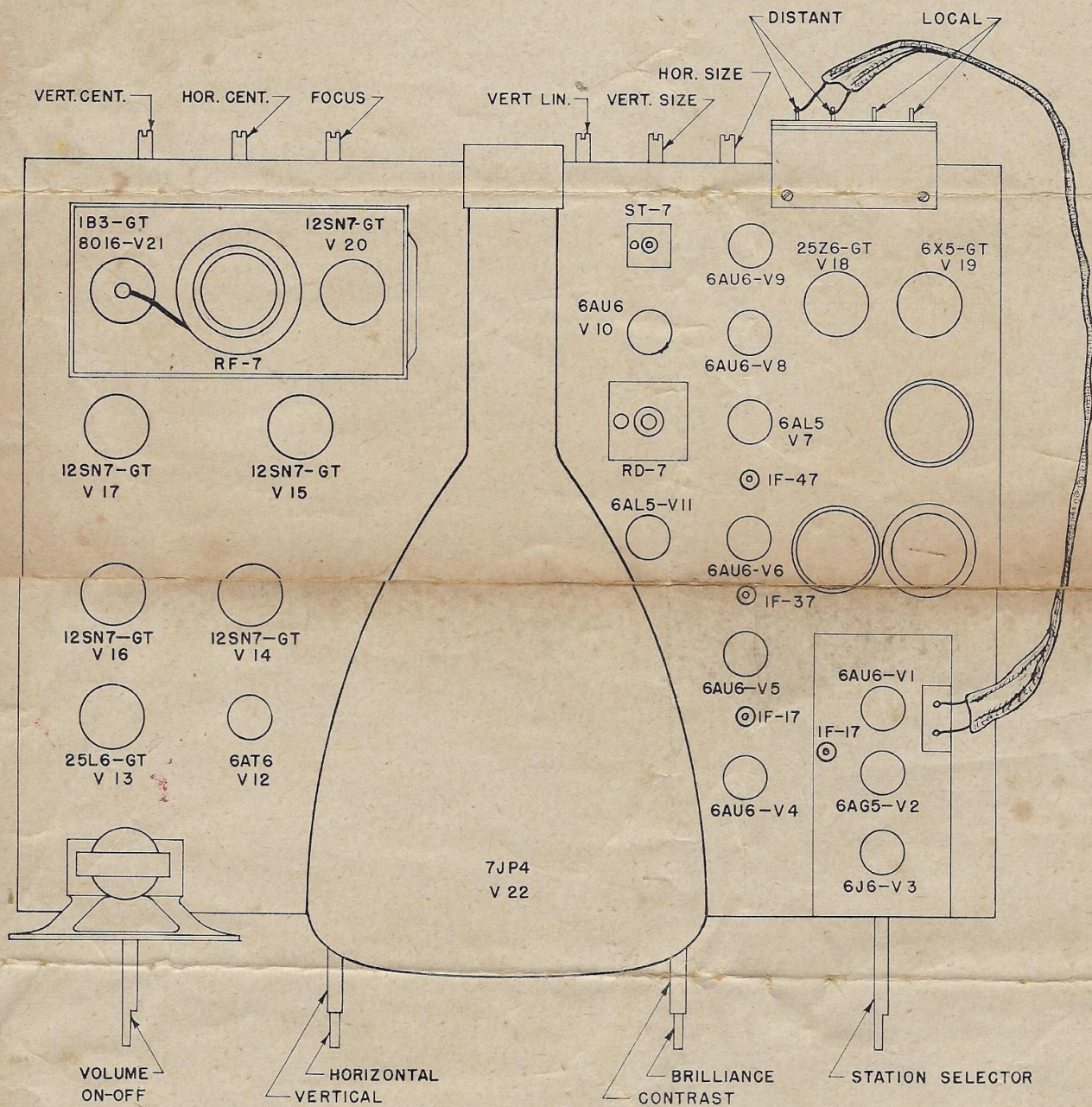
CHANNEL SELECTOR ADJUSTMENT

A final oscillator adjustment for each channel should be made on the receiver at the time of installation and whenever the 6J6 oscillator tube is changed. This oscillator adjustment can be made for each channel without removing the receiver from the cabinet.

The following procedure should be followed in setting the oscillator frequency for each channel:

1. Turn channel selector to the required channel.
2. Remove channel selector knob.
3. Remove two wood screws securing Channel Selector indicating plate.
4. Locate oscillator coil to be adjusted by noting channel number on chassis around switch.
5. Insert fibre or bakelite type screw driver carefully in slotted brass slug in oscillator coil.
6. Adjust for best compromise between picture and sound.
(Caution: Do not apply excessive pressure while adjusting!)
7. Turn Channel Selector switch to other channels and repeat above procedure.
8. Replace selector plate and knob.

W. J. C.
Op. 408
Cell



NOTE:

1. ALL CONDENSER VALUES IN MICROFARADS, UNLESS OTHERWISE SPECIFIED.
2. ALL RESISTORS $\frac{1}{2}$ WATT $\pm 20\%$, UNLESS OTHERWISE SPECIFIED.
3. 1K = 1000
4. 1M = 1,000,000

