

| MODEL | SPEAKER |
|-------|------------|
| 7S432 | 49-301 6" |
| 7S433 | 49-301 6" |
| 7S434 | 49-301 6" |
| 7S449 | 49-301 6" |
| 7S450 | 49-314 8" |
| 7S450 | 49-308 10" |
| 7S459 | 49-314 8" |
| 7S460 | 49-311 10" |
| 7S461 | 49-309 12" |
| 7S462 | 49-311 10" |

| DIAG. NO. | PART NO. | DESCRIPTION | DIAG. NO. | PART NO. | DESCRIPTION | DIAG. NO. | PART NO. | DESCRIPTION | DIAG. NO. | PART NO. | DESCRIPTION |
|-----------|----------|---------------------|-----------|---------------------|-------------|------------------|-------------|------------------|-----------|----------|-----------------------------|
| C-1 | 22-849 | TWO-GANG VAR | C-20 | 30 MFD ELECTROLYTIC | R-12 | 63-974 | 15 MEG OHMS | 1/4 W | A | | 1ST. IF TRANS PRI |
| C-2 | 22-82 | .00025 MFD | C-21 | 22-851 | 250 V | R-13 | 63-1028 | 22 OHM WIREWOUND | C | | 1ST IF - SEC |
| C-3 | 22-82 | 22 MFD | C-22 | 50 | 250V | R-14 | 63-058 | 5-SECTION CANNON | D | | 2ND IF - PRI |
| C-4 | 22-823 | 65 MFD | | | | R-15 | 63-713 | 47M OHM | F | 22-845 | BROADCAST OSC. (SEE NOTE) |
| C-5 | 22-594 | 15 MFD | | | | | | 1/4 W | G | 22-845 | ANTENNA BROADCAST |
| C-6 | 22-863 | OSC AMPLIFIER | | | | | | | H | | SHORT WAVE OSC. (SEE NOTE) |
| C-7 | 22-864 | | | | | | | | L | 22-780 | SHORT WAVE DETECTOR |
| C-8 | 22-848 | COMPENSATING COND | | | | | | | N | | POLICE BAND OSC. (SEE NOTE) |
| C-9 | 22-350 | 0.02 MFD | 600K | R-1 | 63-593 | 47 M OHM | 1/4 W | | | | |
| C-10 | 22-289 | 50 MMFD | 600V | R-2 | 63-325 | 150 M OHM | 1/4 W | | | | |
| C-11 | 22-182 | 0.001 MFD | 600V | R-3 | 63-1019 | 80 M OHM | 1/2 W | | | | |
| C-12 | 22-196 | 01 MFD | 600V | R-4 | 63-1020 | 60 OHM WIREWOUND | 1/2 W | | | | |
| C-13 | 22-325 | 22 MFD | 200V | R-5 | 63-150 | 10 M OHM | 1/2 W | | | | |
| C-14 | 22-229 | 1005 MFD | 600V | R-6 | 63-551 | 22 M OHM | 1/2 W | | | | |
| C-15 | 22-854 | 0.005 MFD | 600V | R-7 | 43-805 | 1000 OHM | 1/2 W | | | | |
| C-16 | 22-440 | 0.04 MFD | 600V | R-8 | 43-871 | 1 MEG OHM | 1/4 W | | | | |
| C-17 | 22-440 | 01 MFD | 600V | R-9 | 43-855 | 220 M OHM | 1/4 W | | | | |
| C-18 | 22-470 | 1 MFD | 400V | R-10 | 63-1030 | VOLUME CONTROL | 1/2 W | | | | |
| C-19 | 22-852 | 30 MFD ELECTROLYTIC | 350V | R-11 | 63-286 | 220 M OHM | 1/2 W | | | | |

I.F. FREQUENCY 455 KC.
 7 TUBE SUPERHETERODYNE
 CHASSIS NO 5719 VOLTAGE DOUBLER A.C.
 ZENITH RADIO CORPORATION
 CHICAGO, ILL.

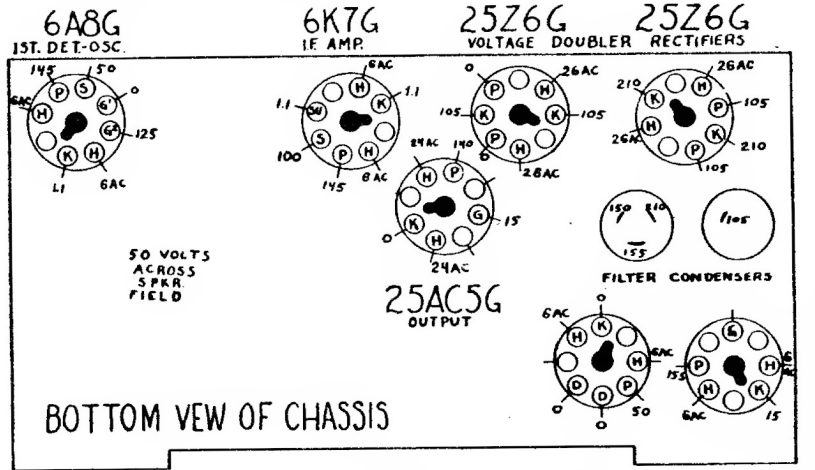
MODELS 7S432, 7S433, 7S434, 7S449, 7S450, 7S458, 7S459, 7S460, 7S461, 7S462 (Chassis No. 5719)

Models 7S432, 7S433, 7S434, 7S449, 7S450, 7S458, 7S459 7S460, 7S461, 7S462 (Chassis No. 5719)

NOTE

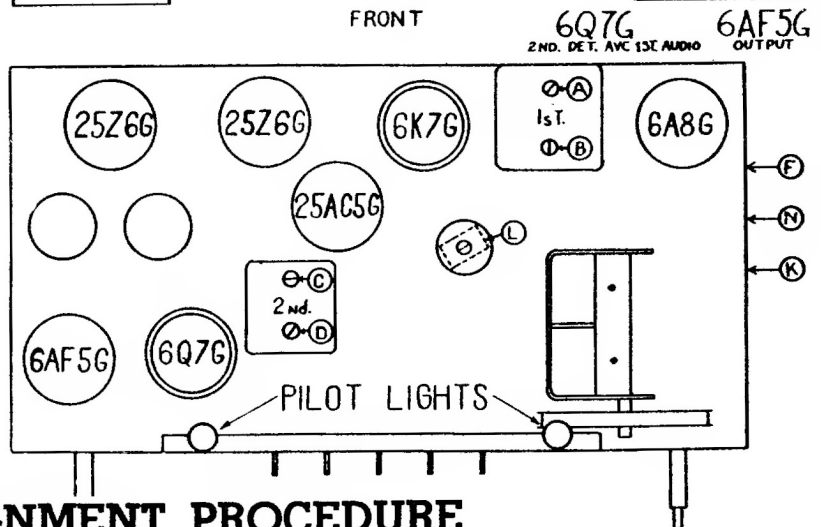
Voltages measured from line switch to point indicated using a 1000 ohm per volt meter. Vol. control at minimum. Antenna disconnected.

All filament voltages measured across each respective tube, using an A.C. volt-meter.



LEGEND

- NC—No Connection
- SH—Shield
- H—Heater
- P—Plate
- S—Screen
- G—Grid
- SU—Suppressor
- D—Diode
- F—Filament
- K—Cathode



ALIGNMENT PROCEDURE

| Operation | Connect Test Oscillator to | Dummy Antenna | Set Test Oscillator to | Band | Set Dial At | Adjust Trimmers | Purpose |
|-----------|----------------------------|---------------|------------------------|---------|-------------|-----------------|----------------------------------|
| 1 | 1st Det. Grid | 5 mfd. | 455 | B'dcast | 600 | A B C D | I. F. |
| 2 | Single *x Turn Coil | — | 1500 | " | 1500 | F | Set Osc. to Scale |
| 3 | " " | — | 1500 | " | 1500 | On Wave Magnet | Alignment of Wave Magnet |
| 4 | Rec. Ant. Post ** | 400 ohms | 18000 | S.W.#2 | 18000 | K | Set Osc. to Scale |
| 5 | " | " | 16000 | " | 16000 | L | Rock gang & adj. for max. output |
| 6 | " | " | 4,500 | S.W. #1 | 4,500 | N | " |

* Loosely coupled to Wave Magnet
x Switch in Wave Magnet Position
** Switch in Antenna Position

Models 7S432—7S433—7S434—7S449—7S450—7S458—7S459—7S460—7S461—7S462

Chassis No. 5724

ZENITH RADIO CORPORATION

| QW# | PART # | DESCRIPTION | QW# | PART # | DESCRIPTION | QW# | PART # | DESCRIPTION |
|-----|--------|---------------------|-----|---------|-------------------|-----|---------|----------------|
| C1 | 22-888 | 2 GANG VARIABLE | C20 | 22-198 | .01MFD. | R16 | 63-1030 | VOLUME CONTROL |
| C2 | 22-182 | 0001 MFD. | | | | R17 | 63-599 | 15 MEGOHM |
| C3 | 22-829 | 05 MFD. | R1 | 63-871 | 1 MEGOHM | R18 | 63-1054 | 10 M OHM |
| C4 | 22-716 | 0005 MFD | R2 | 63-580 | 6800 OHM | R19 | 63-577 | 100 OHM |
| C5 | 22-828 | 05 MFD. | R3 | 63-607 | 15M OHM | R20 | 63-705 | 2200 OHM |
| C6 | 22-289 | 50 MMFD | R4 | 63-595 | 100M OHM | | | |
| C7 | 22-182 | 00025 MFD | R5 | 63-592 | 33M OHM | | | |
| C8 | 22-830 | .02 MFD | R6 | 63-583 | 1000 OHM | | | |
| C9 | 22-219 | .03 MFD | R7 | 63-876 | 27M OHM | | | |
| C10 | 22-229 | 005 MFD | R8 | 63-593 | 47M OHM | | | |
| C11 | 22-827 | 1 MFD | R9 | 63-859 | 470M OHM | | | |
| C12 | 22-719 | .16MFD ELECTROLYTIC | R10 | 63-976 | 15 MEGOHM | | | |
| C13 | 22-941 | 5 MFD ELECTROLYTIC | R11 | 63-296 | 220M OHM | | | |
| C14 | 22-941 | 5 MFD ELECTROLYTIC | R12 | 63-597 | 470M OHM | | | |
| C15 | 22-448 | .004 MFD. | R13 | 63-1057 | 47 OHM WIREWOUND | | | |
| C16 | 22-350 | .028 MFD | R14 | 63-1056 | 280 OHM WIREWOUND | | | |
| C17 | 22-868 | COMPENSATING COND. | R15 | 63-1055 | 22 M OHM | | | |
| C18 | 22-853 | DUAL OSC PADDER | | | | | | |
| C19 | 22-866 | OSCILLATOR PADDER | | | | | | |

