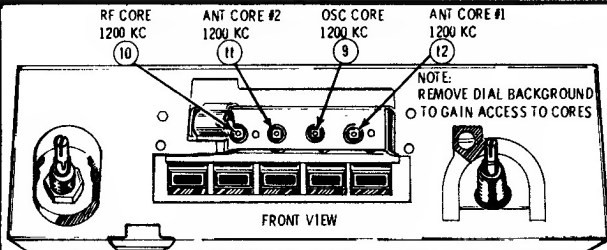


# MOTOROLA

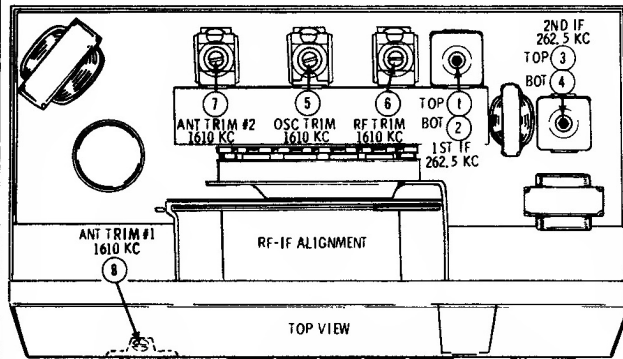
## auto radio

### CTA62 CTM62

Automotive all transistor super-heterodyne receivers designed for custom installation in all 1962 Chevy II & Corvair series.

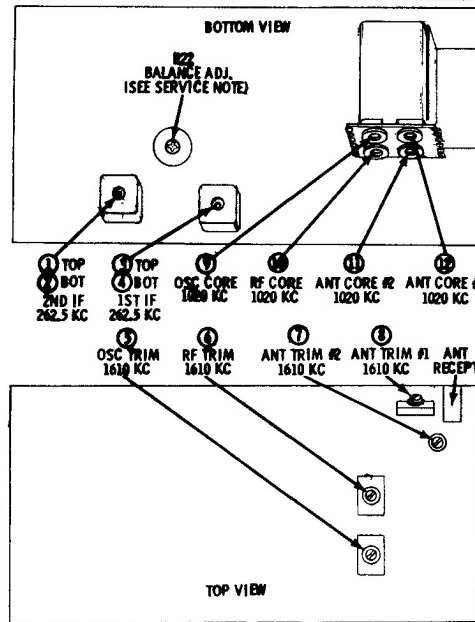
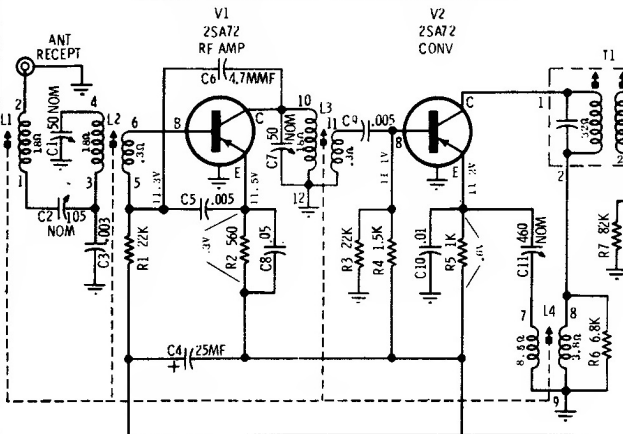


FRONT VIEW



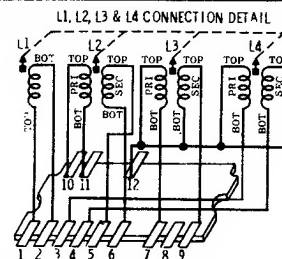
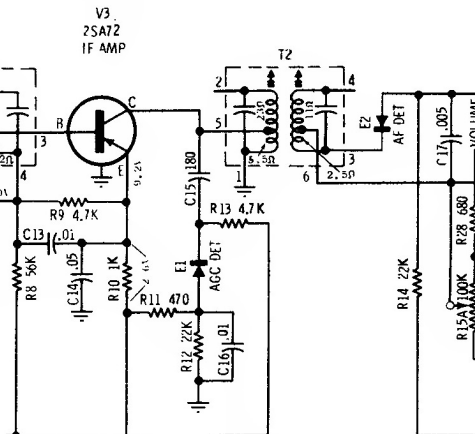
TOP VIEW

CTA62 ALIGNMENT LOCATION DETAIL



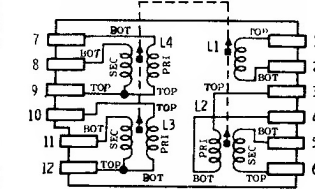
TOP VIEW

CTM62 ALIGNMENT LOCATION DETAIL

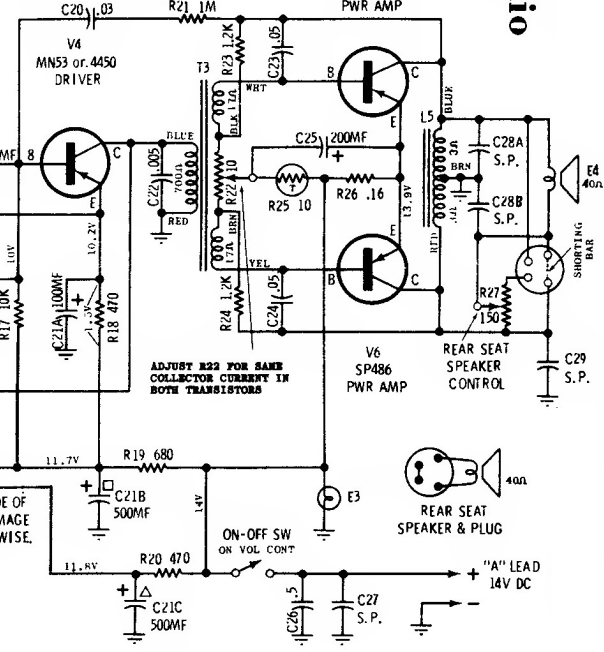


CTA62 DIAGRAM

NOTE: ON L1, L2, L3 & L4 CONNECTION DETAIL, BOT. REFERS TO LEAD AT BOTTOM OF COIL, I.E., NEAREST THE TERMINAL STRIP. THE SECONDARY WINDING IS THE OUTERMOST WINDING.

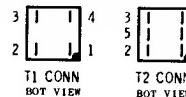
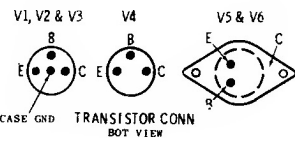


CTM62 DIAGRAM

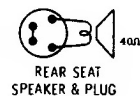


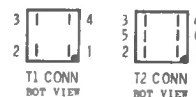
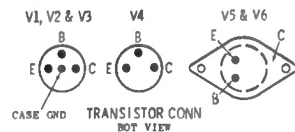
#### NOTES:

CAPACITORS - UNLESS OTHERWISE SPECIFIED, DECIMAL VALUES IN MF; ALL OTHERS IN MMF. VOLTAGES - MEASURED FROM POINT INDICATED TO CHASSIS WITH A VTVM.  $\pm 10\%$  NO SIGNAL INPUT. INPUT VOLTAGE - 14V DC. TUNING RANGE - 540 KC TO 1610 KC. IF FREQ. - 262.5 KC

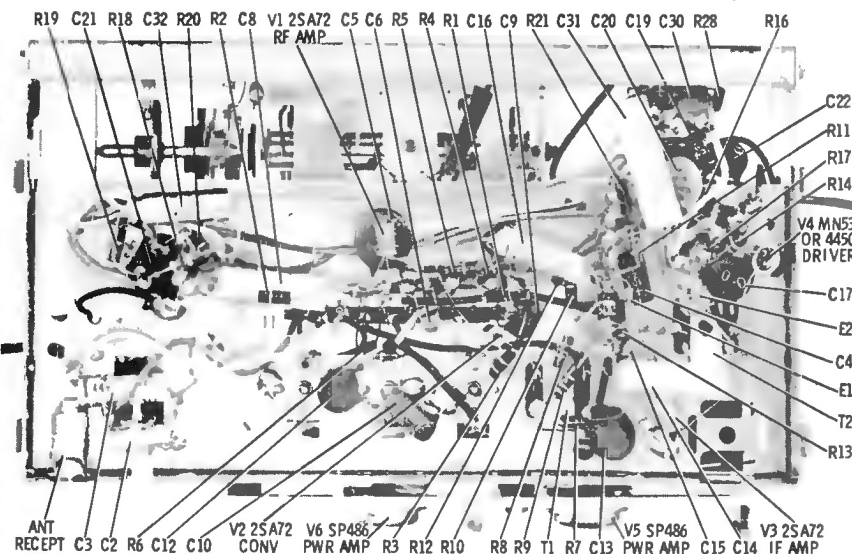
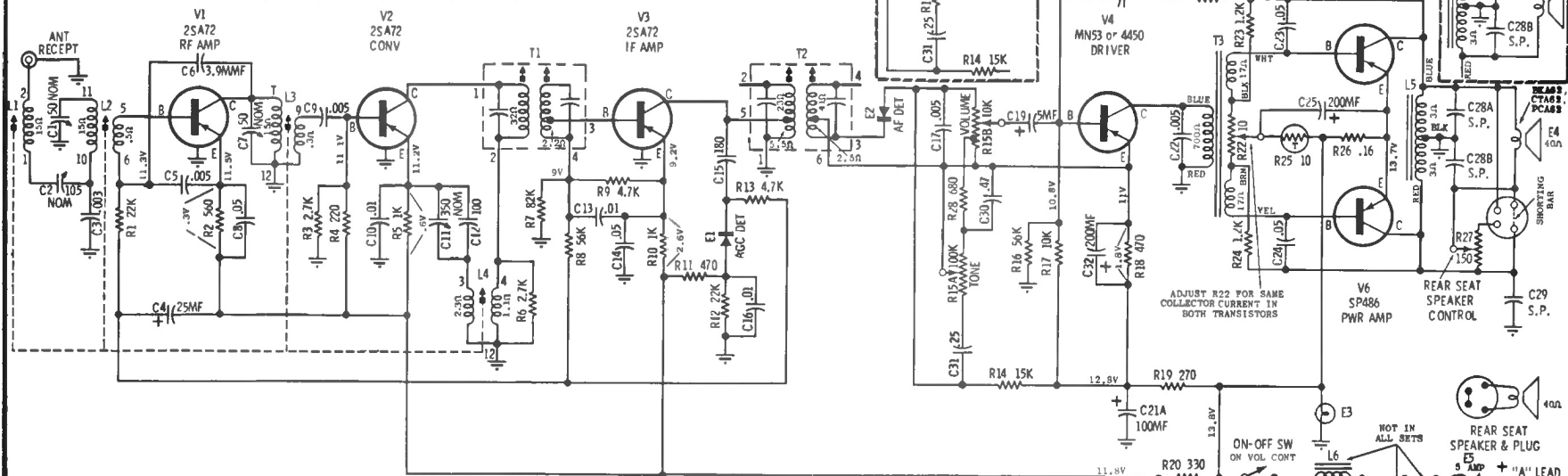


"A" LEAD MUST BE CONNECTED TO POSITIVE (+) SIDE OF POWER SUPPLY. RADIO WILL NOT OPERATE AND DAMAGE TO COMPONENTS WILL RESULT IF CONNECTED OTHERWISE.



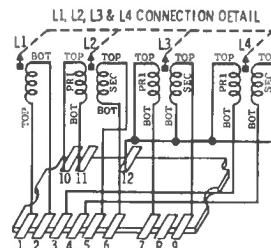


# MODELS 12AT-2, BKA62, CA62, CRA62, CTA62, CYA62, PCA62 SCHEMATIC DIAGRAM



MODELS BKA62, CA62, CRA62, CYA62, PCA62 PARTS LOCATION

NOTES  
CAPACITORS - UNLESS OTHERWISE SPECIFIED, DECIMAL VALUES IN MF, ALL OTHERS IN MMF. VOLTAGES - MEASURED FROM POINT INDICATED TO CHASSIS WITH A VTVM.  $\pm 10\%$  NO SIGNAL INPUT INPUT VOLTAGE - 14V DC. TUNING RANGE - 540 KC TO 1610 KC. IF FREQ. - 262.5 KC



NOTE: ON L1, L2, L3 & L4 CONNECTION DETAIL, BOT REFERS TO LEAD AT BOTTOM OF COIL. I.E., NEAREST THE TERMINAL STRIP. THE SECONDARY WINDING IS THE OUTERMOST WINDING.

## MOTOROLA

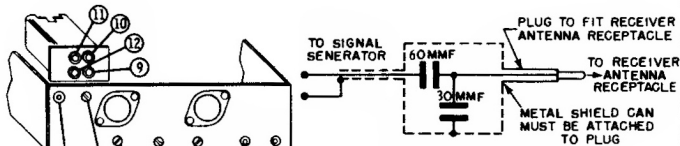
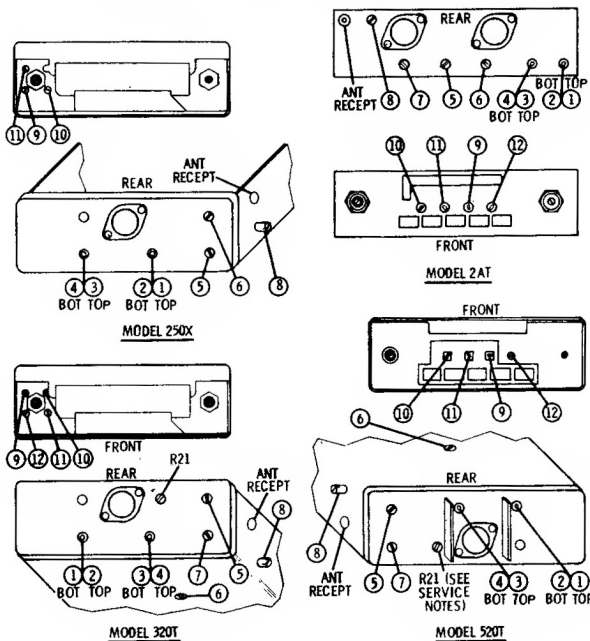
Models 12AT-2, BKA62, CA62, CRA62, CTA62, CYA62, PCA62

Connect an output meter across the speaker voice coil. Set volume to maximum and tone to treble. Attenuate signal generator output to maintain 1 watt (1.79 volts across a 3.2 ohm load for models 250X, 320T and 520T; 6.33 volts across a 40 ohm load for all other models) on output meter at all times.

| STEP                                                                                                                                                                                                                                                                                                                                                                              | GENERATOR CONNECTION                                                               | GEN FREQ<br>(400 cycle 30% mod)                                  | TUNER SET TO                                                                                       | ADJUST        | REMARKS                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------|
| IF ALIGNMENT                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |                                                                  |                                                                                                    |               |                                                                           |
| 1.                                                                                                                                                                                                                                                                                                                                                                                | To ant recept (250X) or collector of RF amp (all other models) thru .1mf & chassis | 262.5 Kc                                                         | Hi end stop                                                                                        | 1,2,3 & 4     | Adjust for maximum                                                        |
| RF ALIGNMENT                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |                                                                  |                                                                                                    |               |                                                                           |
| 2.                                                                                                                                                                                                                                                                                                                                                                                | Ant recept thru dummy (see figure)                                                 | 1610 Kc                                                          | Hi end stop                                                                                        | 5,6,7* & 8    | Adjust for maximum                                                        |
| NOTE: Do not perform steps 3, 4, 5 & 6 unless the tuner has been tampered with or associated components have been replaced. If necessary, remove the escutcheon, dial background and the pilot light socket to expose the core screws. Before proceeding with step 3, back the tuning cores as far as possible out of the coils to eliminate their effect on trimmer adjustments. |                                                                                    |                                                                  |                                                                                                    |               |                                                                           |
| 3.                                                                                                                                                                                                                                                                                                                                                                                | Ant recept thru dummy ( see figure)                                                | 1610 Kc                                                          | Hi end stop                                                                                        | 5,6,7* & 8    | Adjust for maximum                                                        |
| 4.                                                                                                                                                                                                                                                                                                                                                                                | "                                                                                  | 1200 Kc (push-button models);<br>1020 Kc (manually tuned models) | Tuner carriage<br>.285" (push-button models);<br>.298" (manually tuned models)<br>from Hi end stop | 9,10,11 & 12* | Adjust for maximum                                                        |
| 5.                                                                                                                                                                                                                                                                                                                                                                                | "                                                                                  | 1610 Kc                                                          | Hi end stop                                                                                        | 5,6,7* & 8    | Adjust for maximum                                                        |
| 6.                                                                                                                                                                                                                                                                                                                                                                                | Repeat steps 4 and 5 until no further increase; step 5 should be last step.        |                                                                  |                                                                                                    |               | Then cement core screws in place.                                         |
| ANTENNA TRIMMER                                                                                                                                                                                                                                                                                                                                                                   |                                                                                    |                                                                  |                                                                                                    |               |                                                                           |
| 7.                                                                                                                                                                                                                                                                                                                                                                                |                                                                                    |                                                                  | Weak station around 1400 Kc                                                                        | 8             | Adjust for maximum with radio installed in car and antenna fully extended |

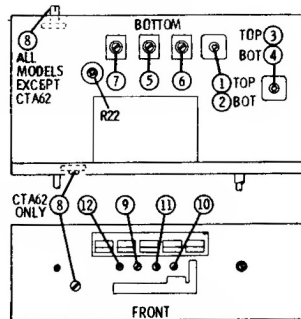
\*Model 250X does not have adjustments 7 and 12.

#### ALIGNMENT LOCATION DETAIL

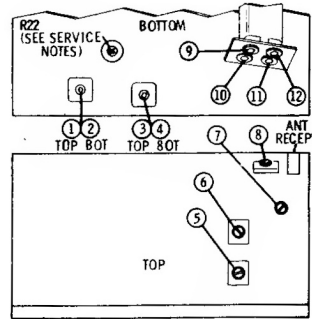


DUMMY ANTENNA DETAIL

MODEL 2MT



MODELS 12A7-2, BK A62, CA62, CRA62, CTA62, CYA62 & PC A62



MODELS CRM62, CTM62 & CYM62