

# MOTOROLA

## AUTO RADIO

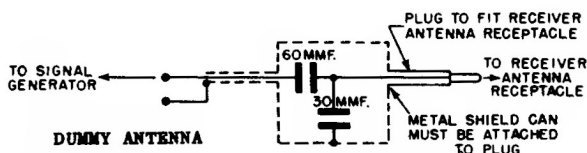
### MODEL

556

TYPE - Universal automotive type superheterodyne receiver designed for underdash mounting. Receiver may be mounted in-dash with an AK-111A trim plate. This model contains an internal speaker.

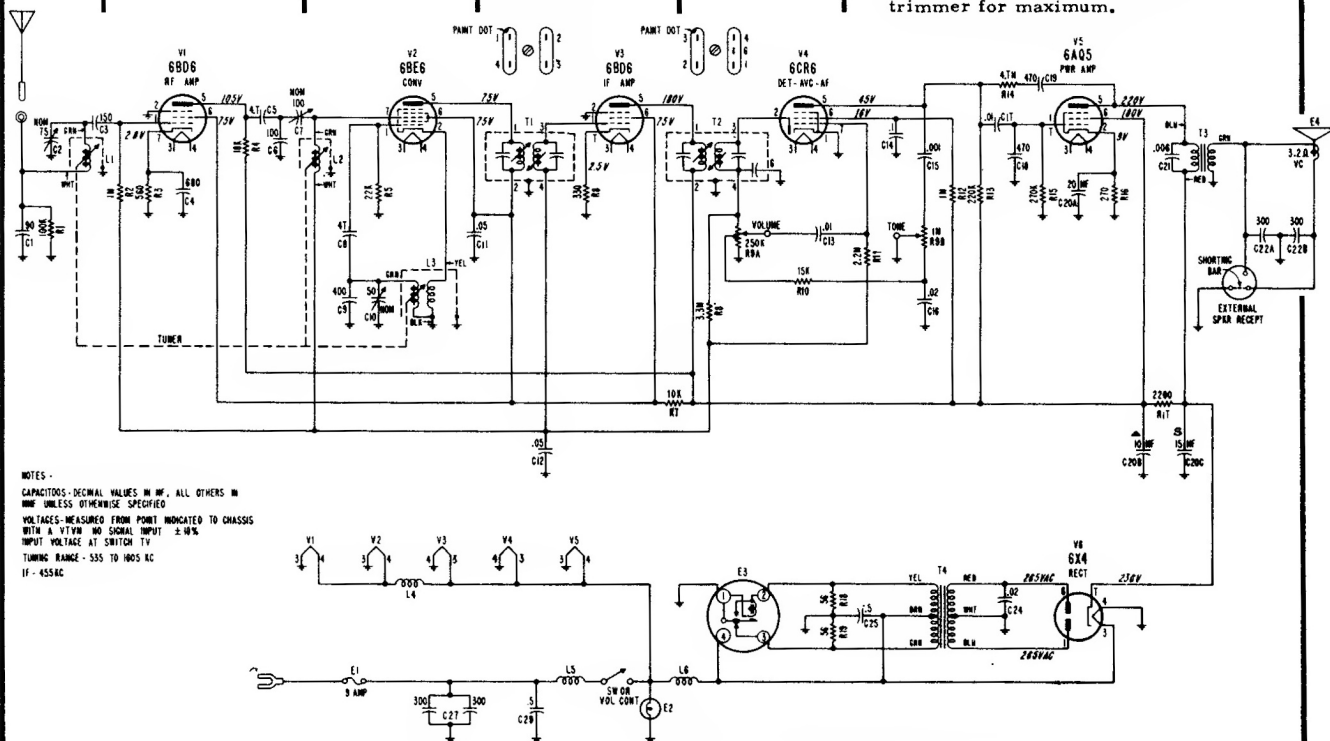
TUNING RANGE - 540 to 1600 Kc IF - 455 Kc

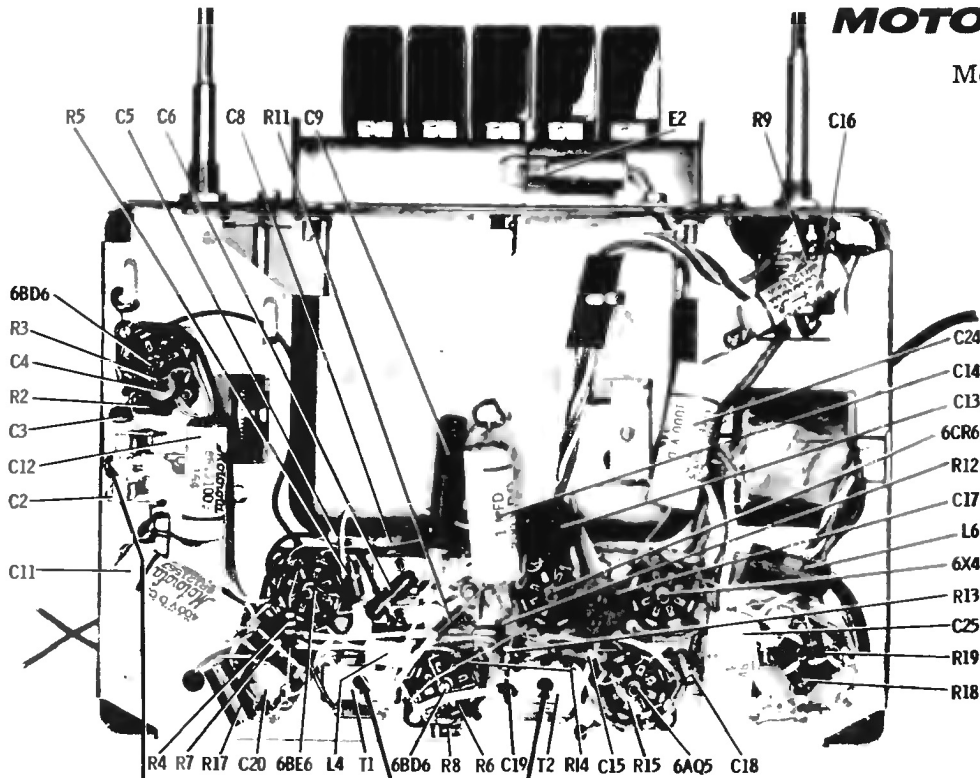
### ALIGNMENT



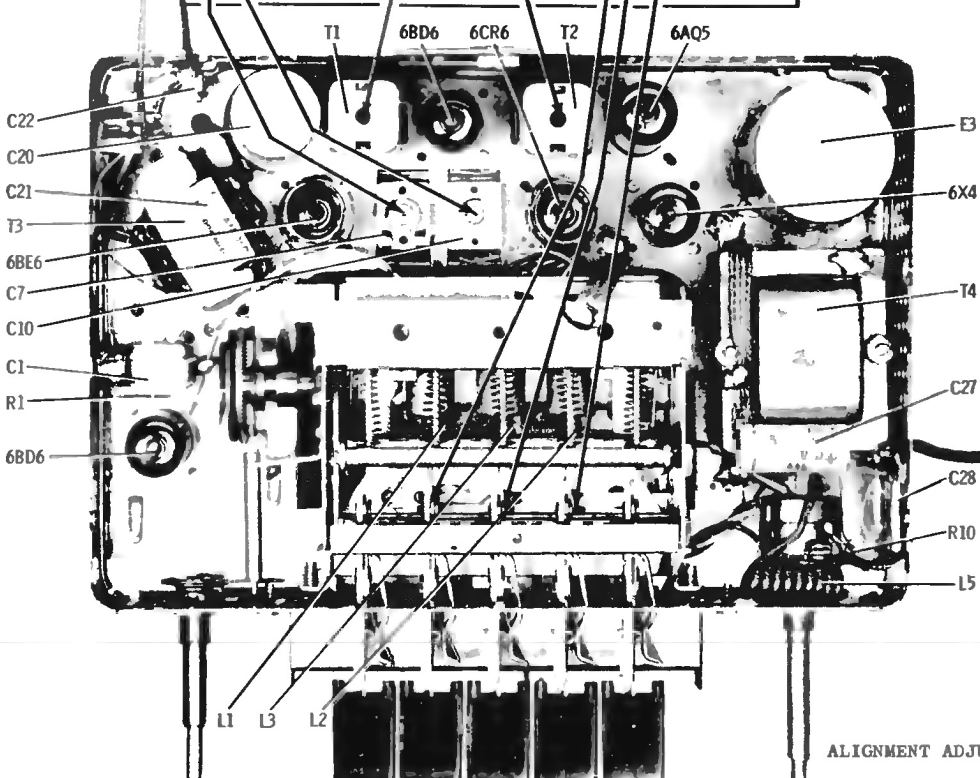
Connect an output meter across the speaker voice coil. Set tone control to high and volume to maximum. Attenuate generator output to maintain 1.79 volts on output meter at all times to prevent overloading the receiver.

| STEP                                                                                                                                                                                                                                                                     | GENERATOR CONNECTION                                                               | GENERATOR FREQUENCY (400 cycle mod) | TUNER SET TO                | ADJUST      | REMARKS                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|-------------|-------------------------------------------------------------------------------------------|
| IF ALIGNMENT                                                                                                                                                                                                                                                             |                                                                                    |                                     |                             |             |                                                                                           |
| 1.                                                                                                                                                                                                                                                                       | 6BE6 grid (pin 7) through .1 mf capacitor & chassis                                | 455 Kc                              | Hi end stop                 | 1, 2, 3 & 4 | Peak for maximum                                                                          |
| RF ALIGNMENT                                                                                                                                                                                                                                                             |                                                                                    |                                     |                             |             |                                                                                           |
| 2.                                                                                                                                                                                                                                                                       | Ant recept through dummy (see Fig.)                                                | 1610 Kc                             | Hi end stop                 | 5, 6 & 7    | Peak for maximum                                                                          |
| NOTE: Do not perform steps 3, 4, 5 & 6 unless tuner has been tampered with or components have been replaced. Remove escutcheon to expose core screws. Before proceeding with step 3, back tuning cores 1" out of coils to eliminate their effect on trimmer adjustments. |                                                                                    |                                     |                             |             |                                                                                           |
| 3.                                                                                                                                                                                                                                                                       | Ant recept through dummy (see Fig.)                                                | 1610 Kc                             | Hi end stop                 | 5, 6 & 7    | Peak for maximum                                                                          |
| 4.                                                                                                                                                                                                                                                                       | "                                                                                  | 1180 Kc                             | 19/64" from hi end stop     | 8, 9 & 10   | Peak for maximum using alignment tool, Motorola Part No. 66A76278                         |
| 5.                                                                                                                                                                                                                                                                       | "                                                                                  | 1610 Kc                             | Hi end stop                 | 5, 6 & 7    | Peak for maximum                                                                          |
| 6.                                                                                                                                                                                                                                                                       | Repeat steps 4 and 5 until no further increase, then cement tuning cores in place. |                                     |                             |             |                                                                                           |
| ANTENNA TRIMMER                                                                                                                                                                                                                                                          |                                                                                    |                                     |                             |             |                                                                                           |
| 7.                                                                                                                                                                                                                                                                       | -                                                                                  |                                     | Weak station around 1400 Kc | 7           | With radio installed in car and antenna fully extended, peak antenna trimmer for maximum. |





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|-----------------------|--------------------|--------------------|-----------------------|
| ⑦ ANT TRIM<br>1610 KC | ② 1st IF<br>455 KC | ④ 2nd IF<br>455 KC | ⑩ ANT CORE<br>1180 KC |
| ⑥ RF TRIM<br>1610 KC  | ① 1st IF<br>455 KC | ③ 2nd IF<br>455 KC | ⑧ OSC CORE<br>1180 KC |
| ⑤ OSC TRIM<br>1610 KC |                    |                    | ⑨ RF CORE<br>1180 KC  |



### TO SET PUSHBUTTONS

This receiver has an automatic tuner, with 5 "Quick Set" pushbuttons for automatic station selection.

To set the pushbuttons for automatic tuning, proceed as follows:

1. Tune in the desired station with the manual tuning knob.
2. Pull out the first pushbutton to be set, to unlock the button for station set-up, and then push button in firmly to set and lock the button.
3. Follow the above procedure for the remaining four buttons.