

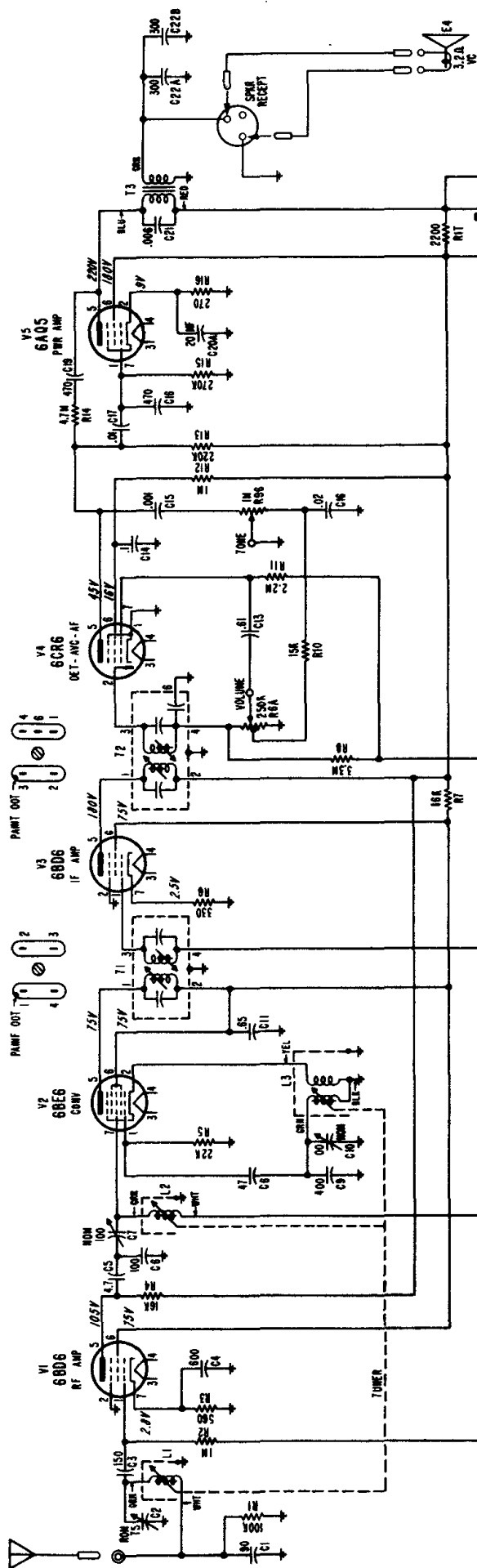
# MOTOROLA

AUTO RADIO

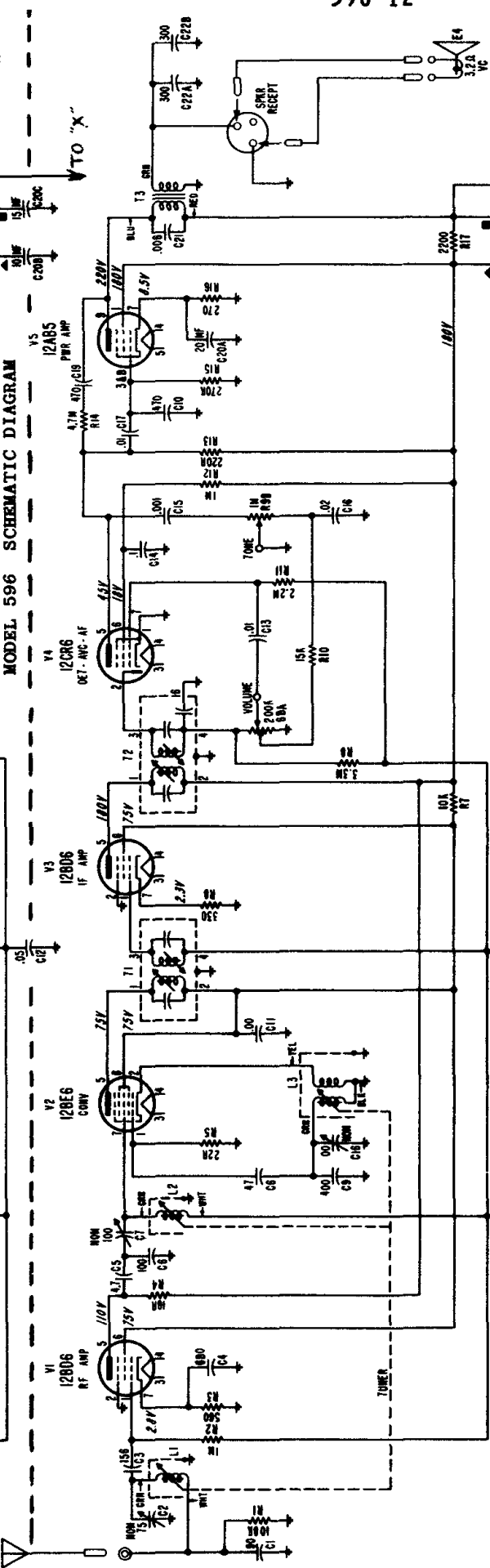
MODELS

596

596-12



MODEL 596 SCHEMATIC DIAGRAM



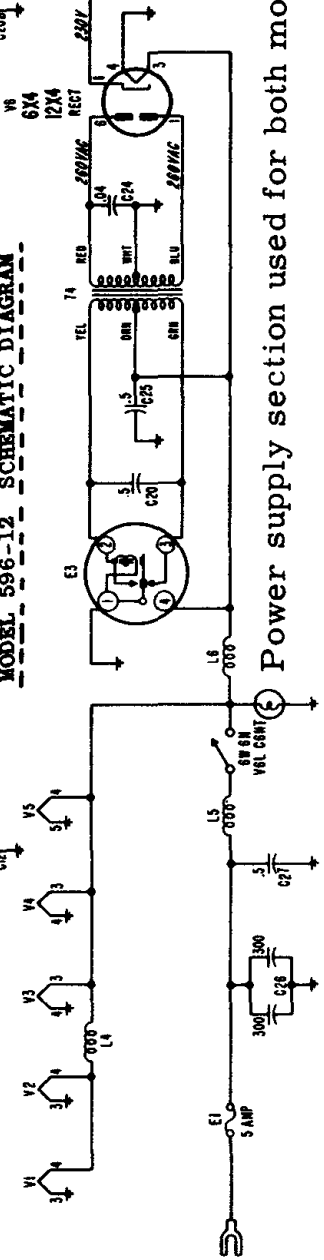
MODEL 596-12 SCHEMATIC DIAGRAM

NOTES -  
CAPACITORS - DECIMAL VALUES IN  $\mu$ F, ALL OTHERS IN MUF UNLESS OTHERWISE SPECIFIED  
VOLTAGES - MEASURED FROM POINT INDICATED TO CHASSIS WITH A VTVM AND SIGNAL INPUT,  $\pm 10\%$   
INPUT VOLTAGE AT SWITCH (AV OC)  
TUNING RANGE - 535 TO 1600 KC  
IF - 455 KC

TUBE COMPLEMENT

Model 596: 6BD6 RF amp; 6BE6 conv.; 6BD6 IF amp; 6CR6 Det-AVC-AF amp; 6AQ5 pwr amp; 6X4 rect.

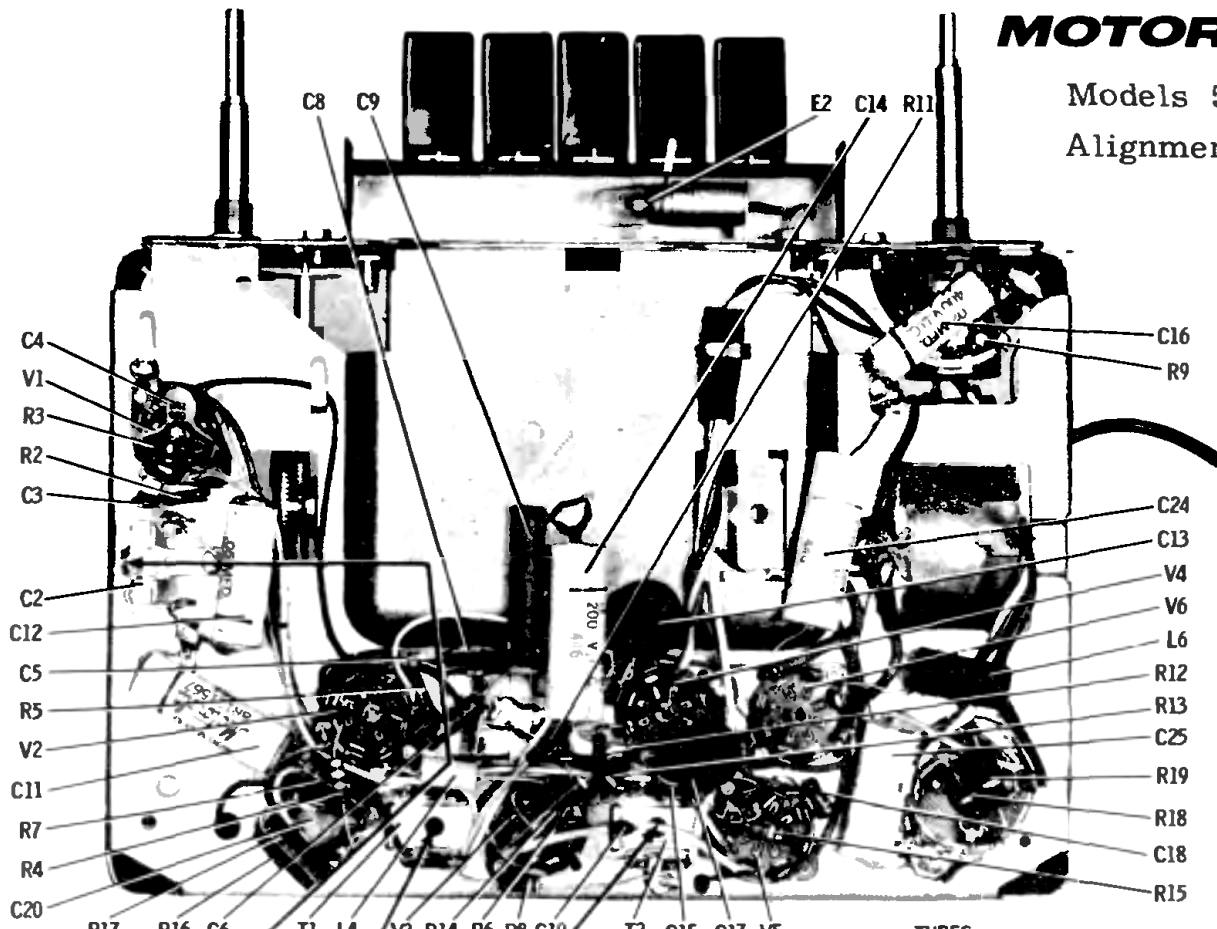
Model 596-12: 12BD6 RF amp; 12BE6 conv.; 12BD6 IF amp; 12CR6 Det-AVC-AF amp; 12AB5 pwr amp; 12X4 rect.



Power supply section used for both models.

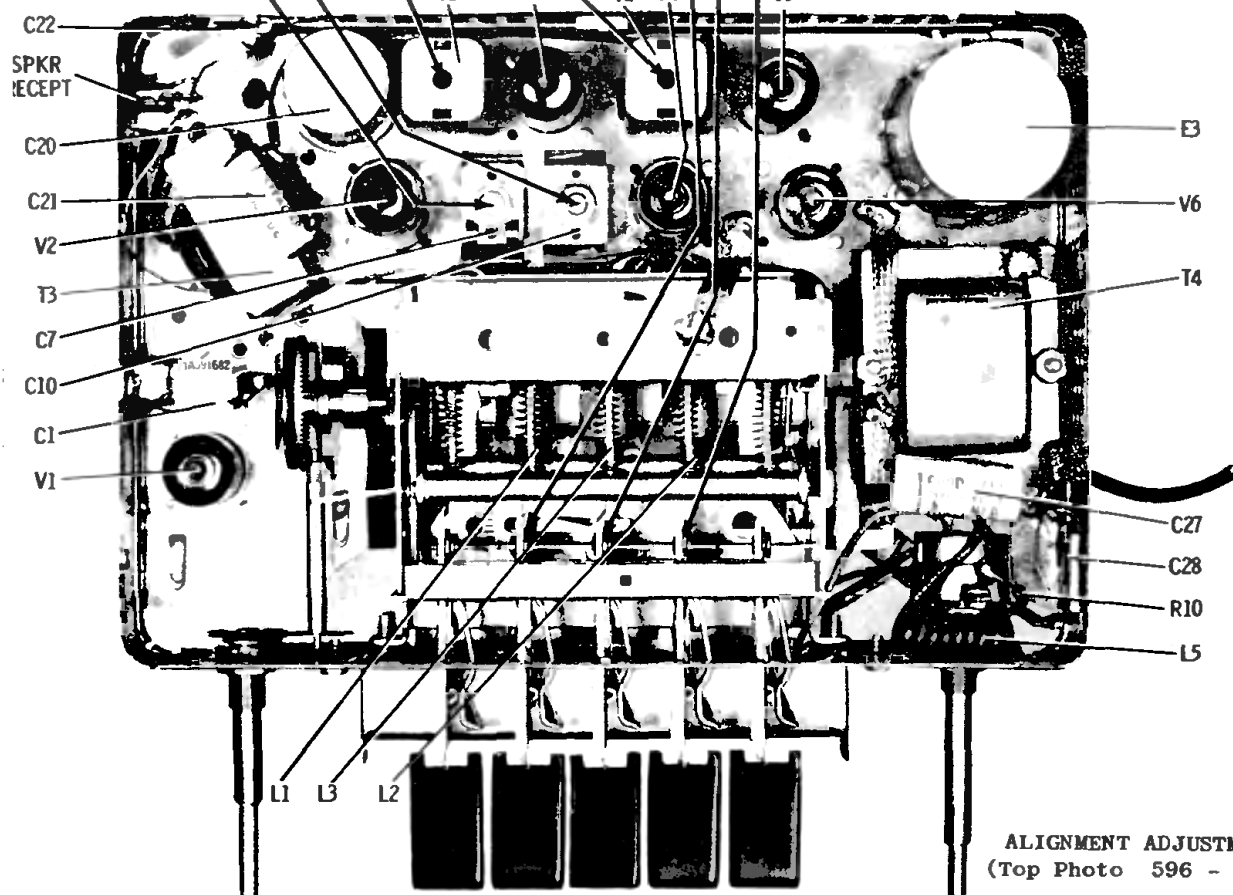
# MOTOROLA INC.

Models 596 and 596-12  
Alignment Information



ANT TRIM ⑦ 1610 KC	1ST IF ② 455 KC	2ND IF ④ 455 KC	RF CORE ⑨ 1180 KC
OSC TRIM ⑤ 1610 KC			OSC CORE ⑧ 1180 KC
RF TRIM ⑥ 1610 KC	1ST IF ① 455 KC	2ND IF ③ 455 K	ANT CORE ⑩ 1180 KC

REF NO	596	596-12
V1	6BD6 (RF)	12BD6 (RF)
V2	6BE6	12BE6
V3	6BD6 (IF)	12BD6 (IF)
V4	6CR6	12CR6
V5	6AQ5	12AB5
V6	6X4	12X4



## 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.