

MOTOROLA

AUTO RADIO

MODELS

596

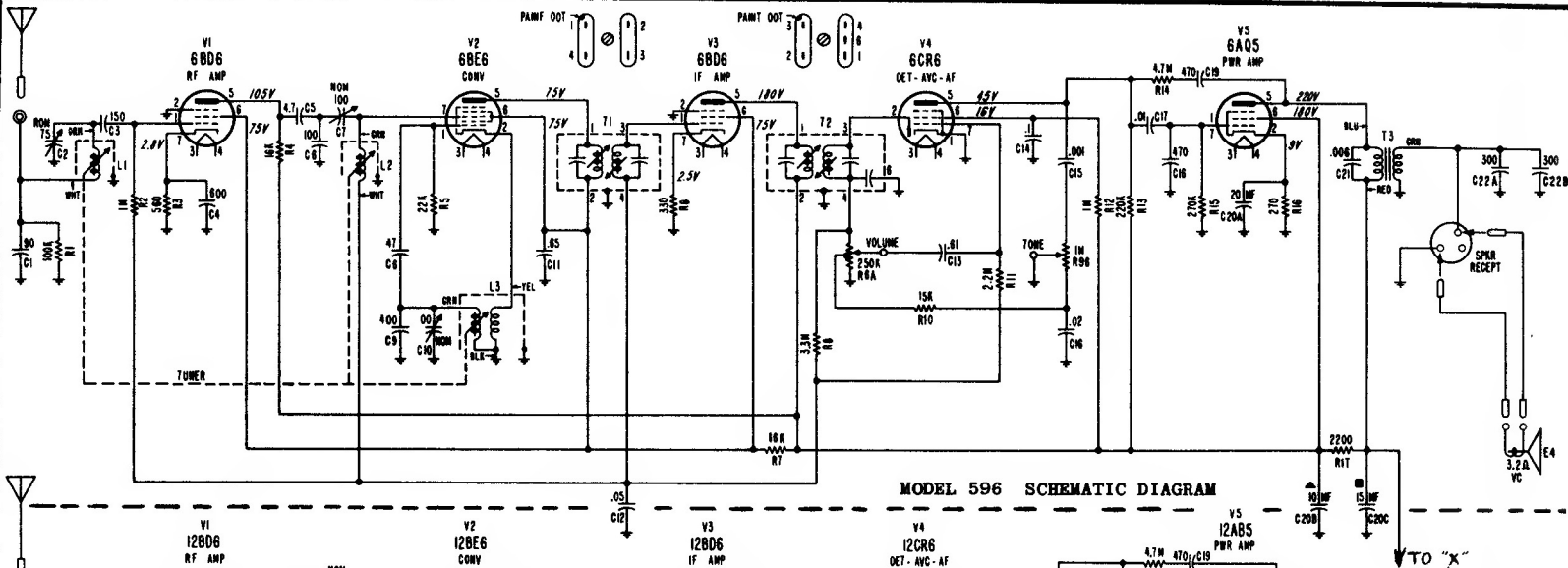
596-12

TUBE COMPLEMENT

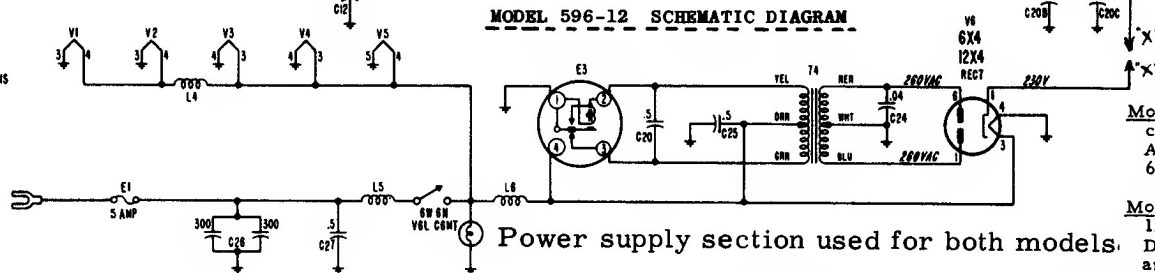
Model 596: 6BD6 RF amp; 6BE6 conv; 6BD6 IF amp; 6CR6 Det-AVC-AF amp; 6AQ5 pwr amp; 6X4 rect.

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

MODEL 596 SCHEMATIC DIAGRAM



MODEL 596-12 SCHEMATIC DIAGRAM



Power supply section used for both models.

NOTES -

CAPACITORS - DECIMAL VALUES IN MF, ALL OTHERS IN MMF UNLESS OTHERWISE SPECIFIED

VOLTAGES - MEASURED FROM POINT INDICATED TO CHASSIS

WITH A VTVM, NO SIGNAL INPUT, $\pm 10\%$

INPUT VOLTAGE AT SWITCH 14V AC

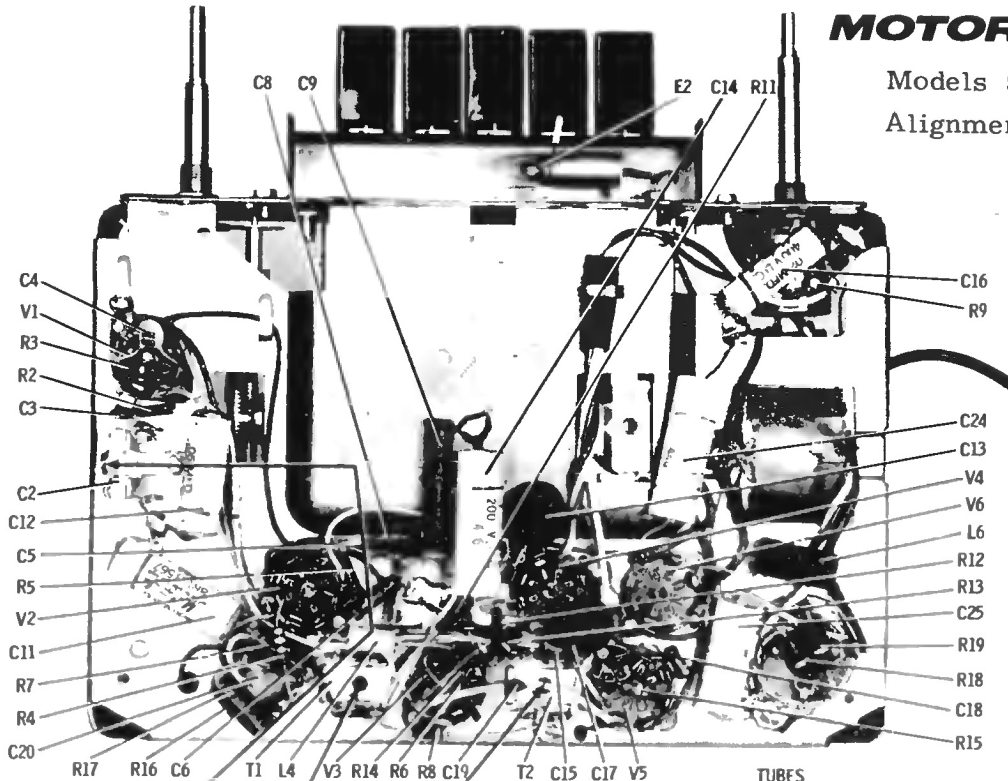
TUNING RANGE - 535 TO 1605 KC

IF - 455 KC

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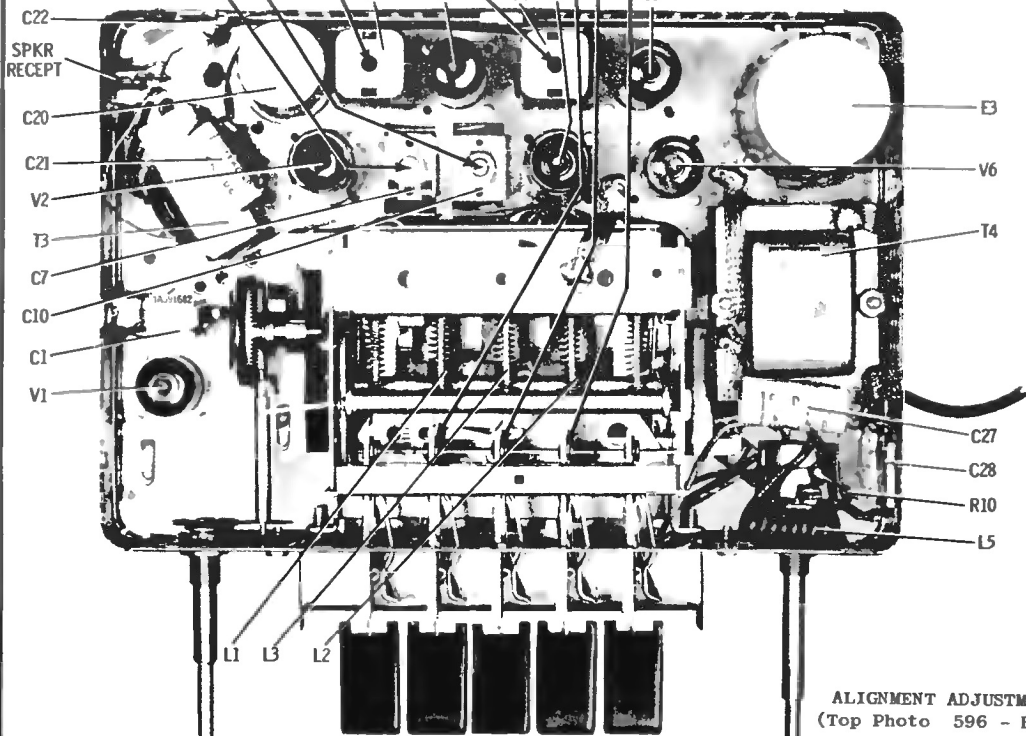
Models 596 and 596-12

Alignment Information



ANT TRIM 1610 KC	1ST IF 455 KC	2ND IF 455 KC	RF CORE 1180 KC
OSC TRIM 1610 KC			OSC CORE 1180 KC
RF TRIM 1610 KC	1ST IF 455 KC	2ND IF 455 K	ANT CORE 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.