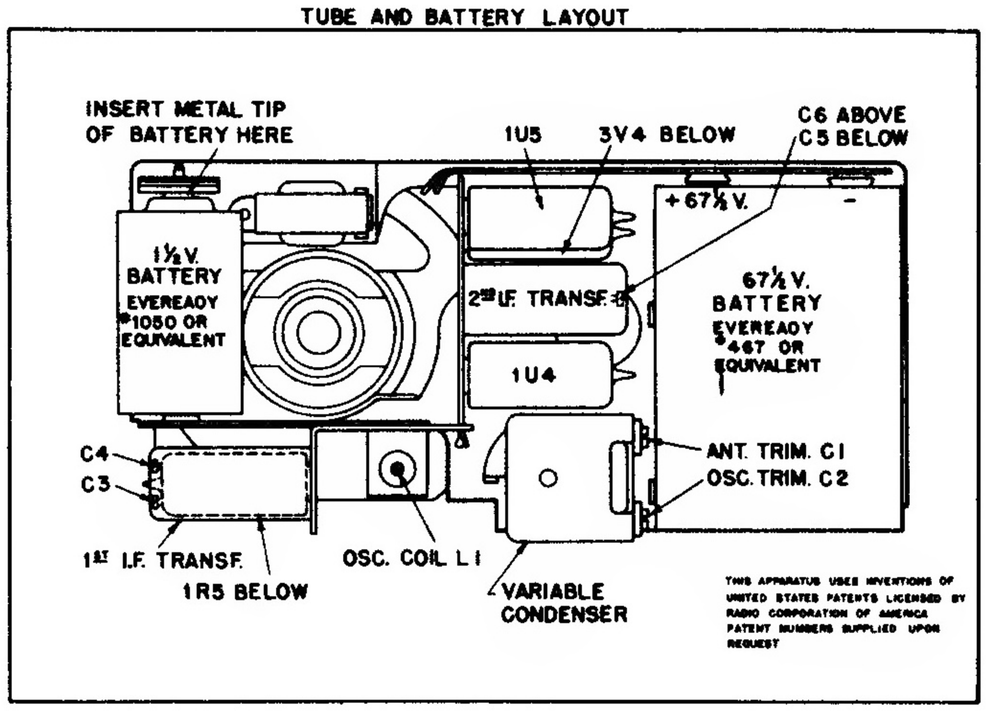
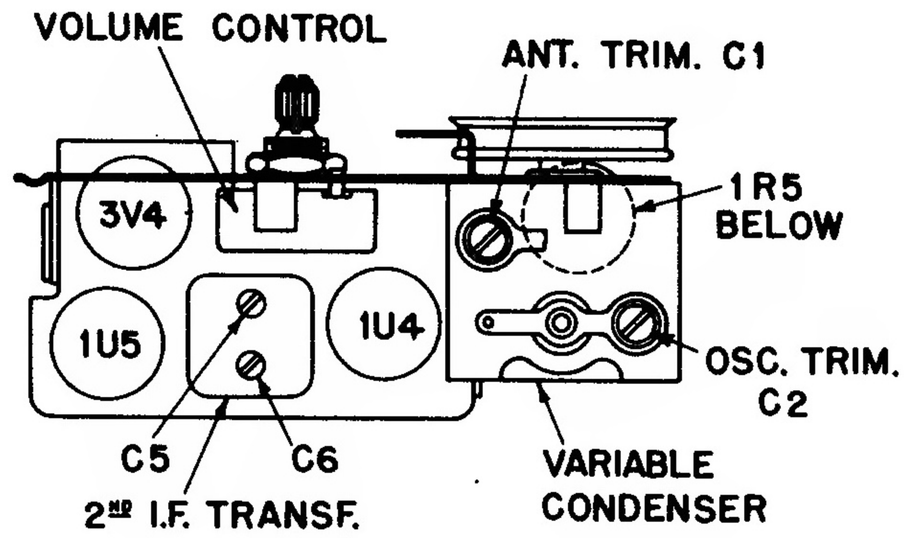
OLYMPIC RADIO & TELEVISION INC.

MODEL 489

TUBE AND BATTERY LAYOUT



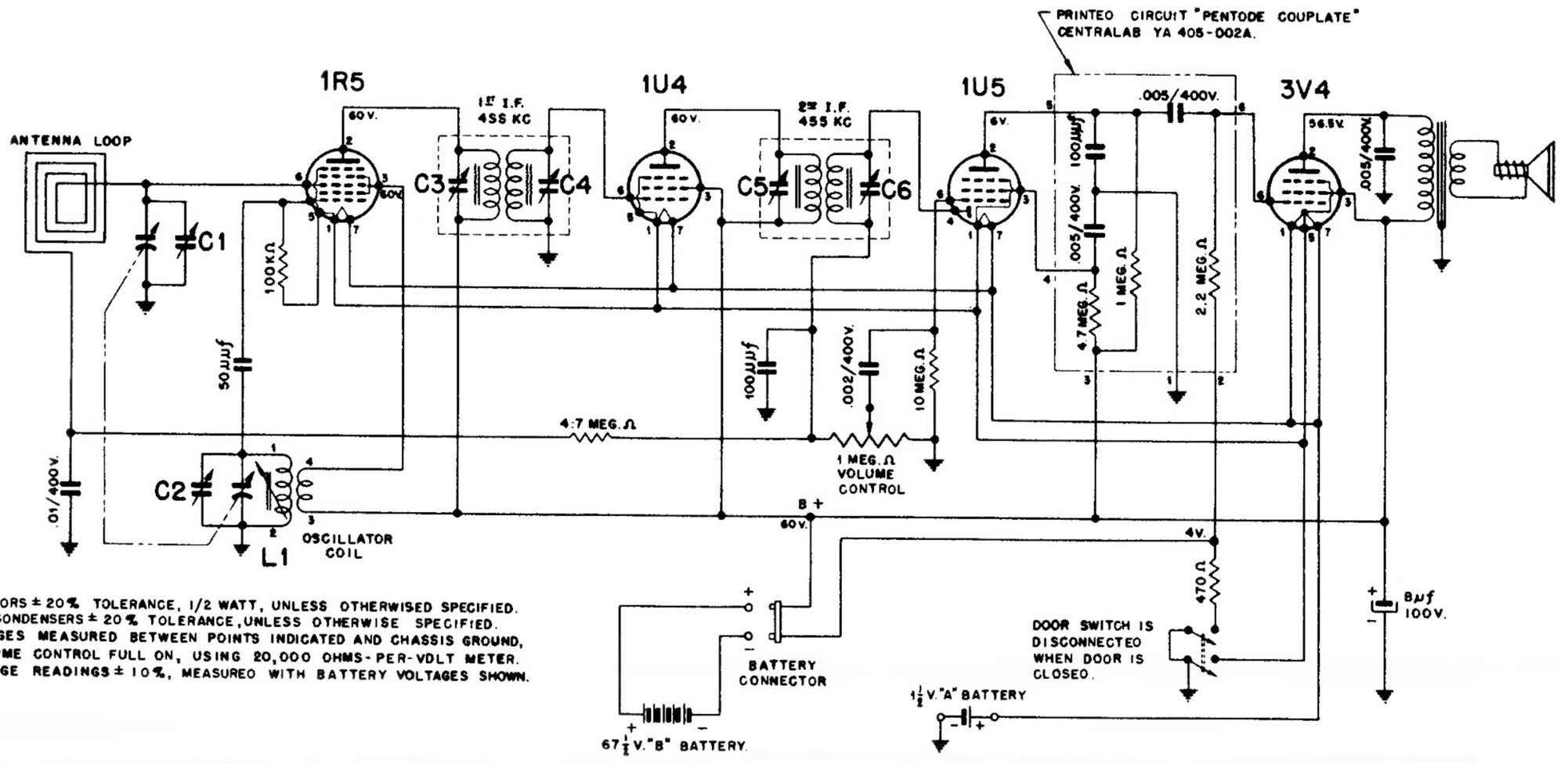


For alignment, the following equipment is required: A.M. modulated R.F. signal generator, VTVM or output meter, insulated screw driver, radiation loop (one turn of about 6" or 8" of #12 or #14 wire connected across the output of the signal generator and placed parallel to receiver loop about 8" away), one 0.1 mfd. 400 v. condenser.

Before aligning, close the variable condenser fully counterclockwise (plates fully closed) and check pointer position. Follow sequence in alignment procedure chart below.

ALIGNMENT PROCEDURE CHART

STEP	CONNECT HIGH SIDE OF SIGNAL GENERATOR TO-	SET SIGNAL GENERATOR TO-	SET POINTER TO-	ADJUST THE FOLLOWING FOR MAXIMUM OUTPUT. (KEEP SIGNAL FROM SIGNAL GENERATOR AS LOW AS POSSIBLE.)
1	R. F. SECTION OF VARIABLE CONDENSER IN SERIES WITH A .1 MFD. 400 VOLT CONDENSER.	455 KC.	EXTREME RIGHT HAND POSITION (CONDENSER PLATES FULLY OPEN.)	C6, C5, C4, C3 AND REPEAT IN SAME ORDER (1ST AND 2ND. I.F TRANFORMERS)
2	USE RADIATED SIGNAL. (CONNECT BOTH SIDES OF SIGNAL GENERATOR TO RADIATION LOOP.)	1600 KC.	1600 KC. (160 ON DIAL)	C2 (OSCILLATOR TRIMMER)
3		1400 KC.	MAXIMUM SIGNAL (APPROX. 140 ON DIAL)	C1 (ANTENNA TRIMMER)
4		600 KC.	MAXIMUM SIGNAL (APPROX. 60 ON DIAL)	ADJUST L1 ROCK VARIABLE FOR MAXIMUM SIGNAL.
5	REPEAT STEPS 2,3 & 4 AT LEAST TWICE TO INSURE MAXIMUM SENSITIVITY & PROPER DIAL TRACKING.			



NOTES:

1. ALL RESISTORS ± 20% TOLERANCE, 1/2 WATT, UNLESS OTHERWISED SPECIFIED.
2. ALL MICA CONDENSERS ± 20% TOLERANCE, UNLESS OTHERWISE SPECIFIED.
3. ALL VOLTAGES MEASURED BETWEEN POINTS INDICATED AND CHASSIS GROUND, WITH VOLUME CONTROL FULL ON, USING 20,000 OHMS-PER-VOLT METER. ALL VOLTAGE READINGS ± 10%, MEASURED WITH BATTERY VOLTAGES SHOWN.