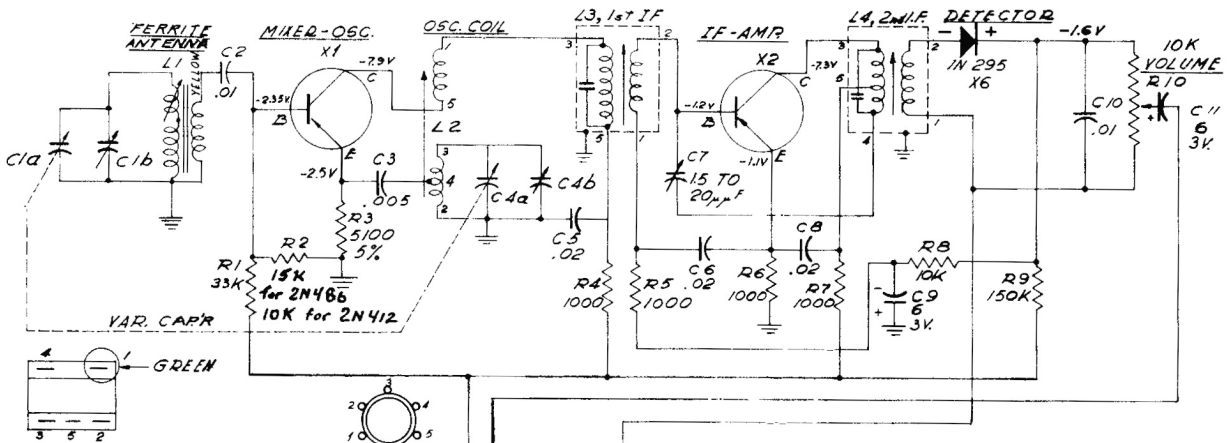
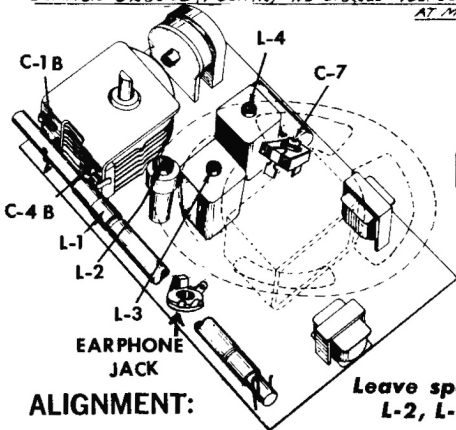


PACKARD BELL MODEL 6RT2 PERSONAL TRANSISTOR RADIO



BOTTOM VIEW OF I-F AND OSCILLATOR COIL TERMINALS

- NOTE 1:**
 1. ALL RESISTORS $\frac{1}{2}$ WATT $\pm 10\%$ UNLESS OTHERWISE NOTED
 2. K = 1000 OHMS
 3. ALL CAPACITORS IN MFD UNLESS OTHERWISE NOTED
 4. D.C. WORKING VOLTAGE IS 25V. UNLESS OTHERWISE NOTED
 5. D.C. VOLTAGES MEASURED WITH V.T.V.M. TO COMMON GROUND (POSITIVE) - NO SIGNAL - VOL. CONT'L AT MAX.



ALIGNMENT:

Leave speaker in place; adjust L-2, L-3, & L-4 from rear.

Step 1. Preset I-F amplifier neutralizer capacitor C-7 by turning completely clockwise (maximum

capacity) then back one eighth of a turn (45 degrees). See note after step seven.

Step	Connect Test Oscillator To	Test Oscillator Frequency	Radio Dial Setting	Adjust
2.	Variable, antenna section	455 kc	535 kc	L-3 & L-4 for MAX
3.	Couple to antenna	600 kc	600 kc	L-2 (osc) for MAX
4.	Couple to antenna	1620 kc	1E20 kc	C-4B for MAX
5.	Repeat steps two and three and check calibration at low end of dial (535 kc)			
6.	Couple to antenna	1500 kc	Tune to test osc. signal	C-1B for MAX
7.	Couple to antenna	600 kc	600 kc	L-1 (antenna) for MAX

NOTE: Optimum setting of neutralizing capacitor C-7 depends upon parameters X-2 and L-4. If, after alignment, regeneration occurs on stations near the high end of the dial, capacity of C-7 should be decreased (ccw). Too low a value, however, will result in loss of

sensitivity.

If it has been necessary to change the setting of C-7 more than 45 degrees after completing the alignment, then the I-F adjustment (step two) should be repeated.

ITEM	TRANSISTOR	RAYTHEON	R.C.A.
X1	MIXER-OSC.	2N486	2N412
X2	I.F. AMP.	2N483	2N410
X3	AUDIO AMP.	2N363	2N406
X4	AUDIO OUT. *	2N632	2N408
X6	DETECTOR DIODE	IN295	

* MATCHED PAIR OR SAME GAIN GROUP NO.