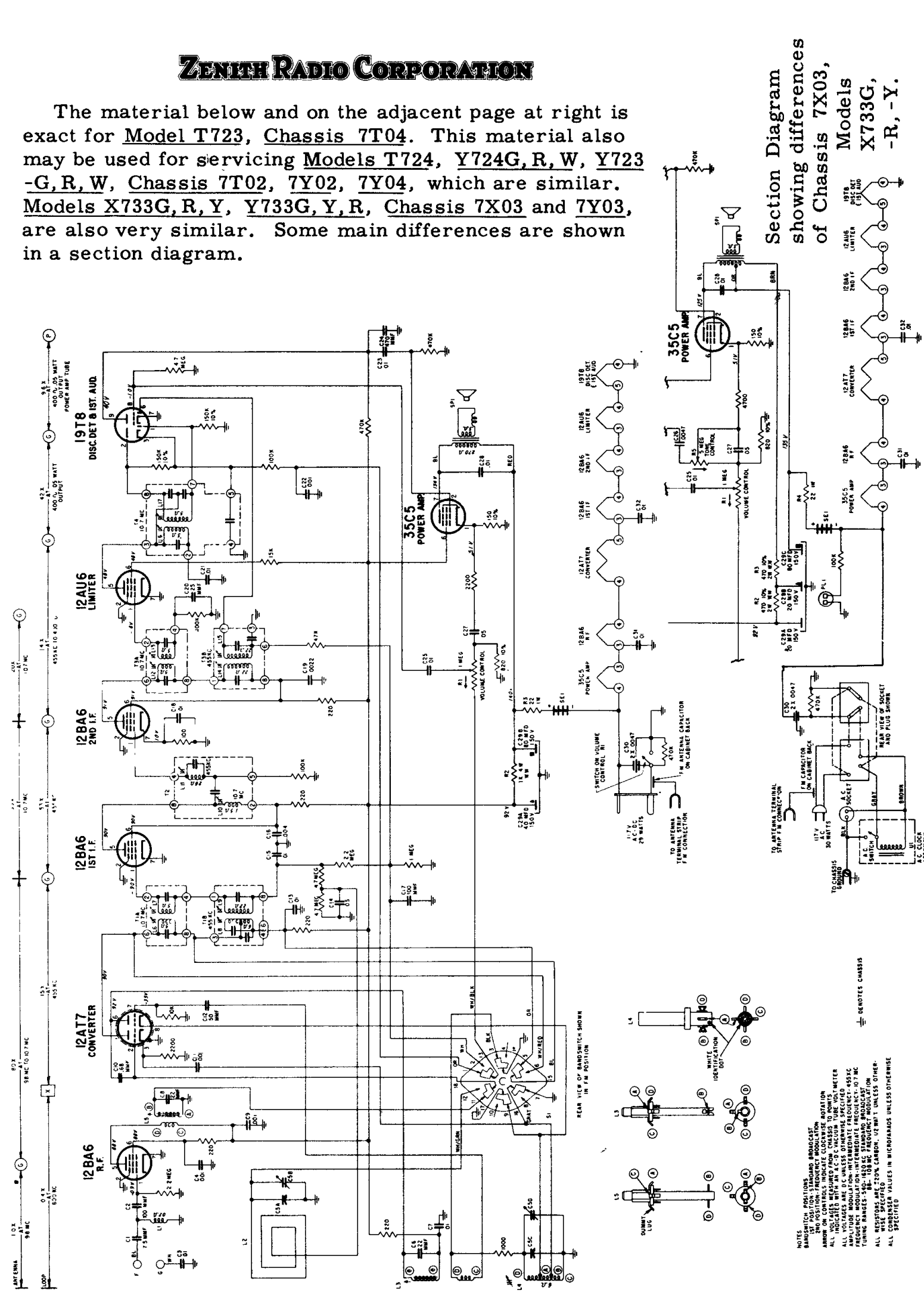
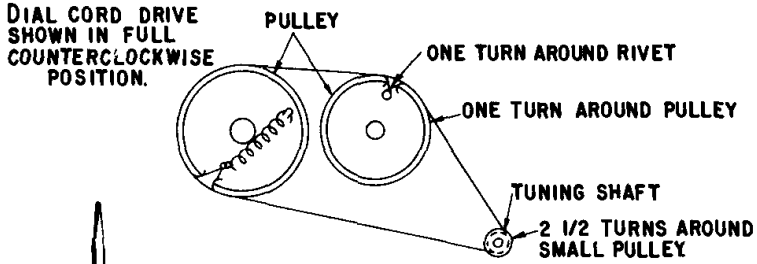
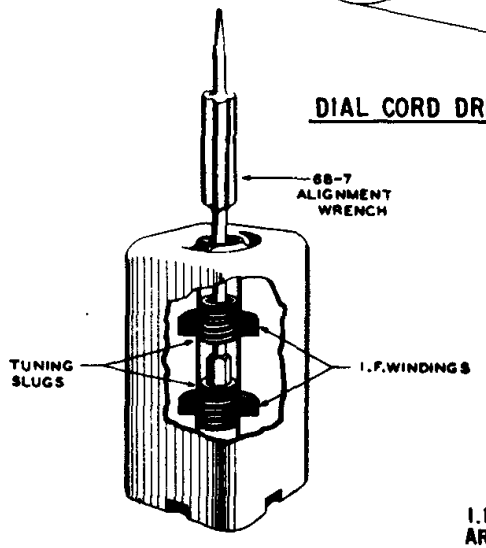
ZENITH RADIO CORPORATION

The material below and on the adjacent page at right is exact for Model T723, Chassis 7T04. This material also may be used for servicing Models T724, Y724G, R, W, Y723 -G, R, W, Chassis 7T02, 7Y02, 7Y04, which are similar. Models X733G, R, Y, Y733G, Y, R, Chassis 7X03 and 7Y03, are also very similar. Some main differences are shown in a section diagram.

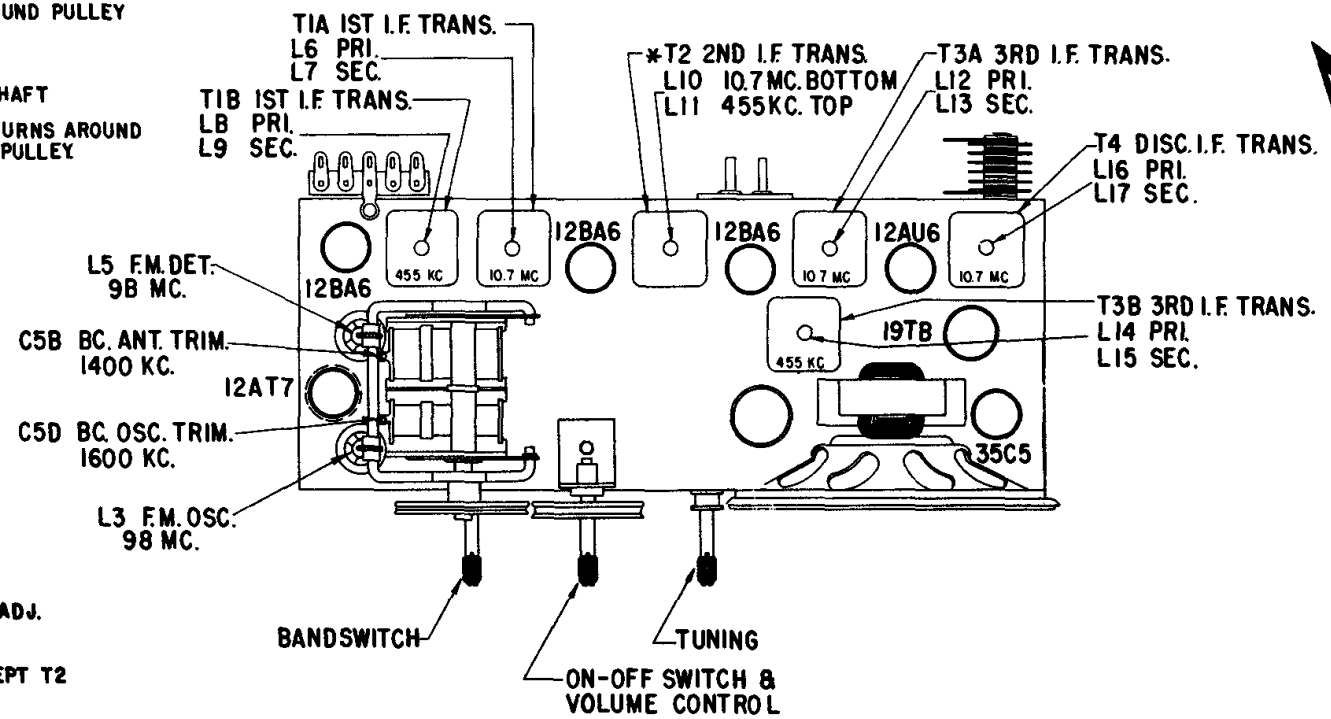




DIAL CORD DRIVE



Detail of IF Transformer



I.F. TRANSFORMER CORE ADJ. ARE AS FOLLOWS:
PRI. ADJ. BOTTOM
SEC. ADJ. TOP *EXCEPT T2

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Alignment Information for
Model T723, Chassis 7T04,
Model T724, Chassis 7T02,
Model X733G, -R, -Y,
Chassis 7X03.

A L I G N M E N T P R O C E D U R E

Operation	Connect Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial To	Adj. Trimmers	Purpose
1	Pin 2-12AT7 Converter	.05 Mfd.	455 KC, Modulated	BC	600 Kc.	L8, 9, 11, 14, 15	Align I. F. channel for maximum output.
2	2 turns loosely cpld. to wavemagnet		1600 Kc. Modulated	BC	1600 Kc.	C5D	Set oscillator to dial scale.
3	2 turns loosely cpld. to wavemagnet		1400 Kc. Modulated	BC	1400 Kc.	C5B	Align antenna stage.
4 (a)	Pin 1 (grid) on 12AU6 limiter.	.05 Mfd.	10.7 Mc. Unmodulated	FM 100		L16 coil slug Primary discr.	Align primary of discriminator for maximum reading.
5 (b)	Pin 1 (grid) on 12AU6 limiter.	.05 Mfd.	10.7 Mc. Unmodulated	FM 100		L17 coil slug sec. of discr.	Adjust secondary of discriminator for zero reading.
6 (c)	Pin 1 (grid) on 12BA6 2nd IF.	.05 Mfd.	10.7 Mc. Unmodulated	FM 100		L12 and 13 Prim. and Sec. of 3rd IF trans.	Align 3rd IF transformer for maximum reading.
7 (c)	Pin 1 (grid) on 12BA6 1st IF.	.05 Mfd.	10.7 Mc. Unmodulated	FM 100		L10 Prim. of 2nd IF transformer.	Align 2nd IF transformer for maximum reading.
8 (c)	Pin 2 (grid) on 12AT7 converter tube socket.	.05 Mfd.	10.7 Mc. Unmodulated	FM 100		L6 and L7 Prim. and Sec. of 1st IF transformer.	Align 1st IF transformer for maximum reading.
9 (c)	Antenna Post FM (Remove line ant.)	270 ohms	98 Mc. Unmodulated	FM 100	98 Mc.	L3 Osc. Coil.	Set Oscillator to dial scale.
10 (c) (d)		270 ohms	98 Mc. Unmodulated	FM 100	98 Mc.	L5 Det. Coil.	Align det. stage to maximum reading.