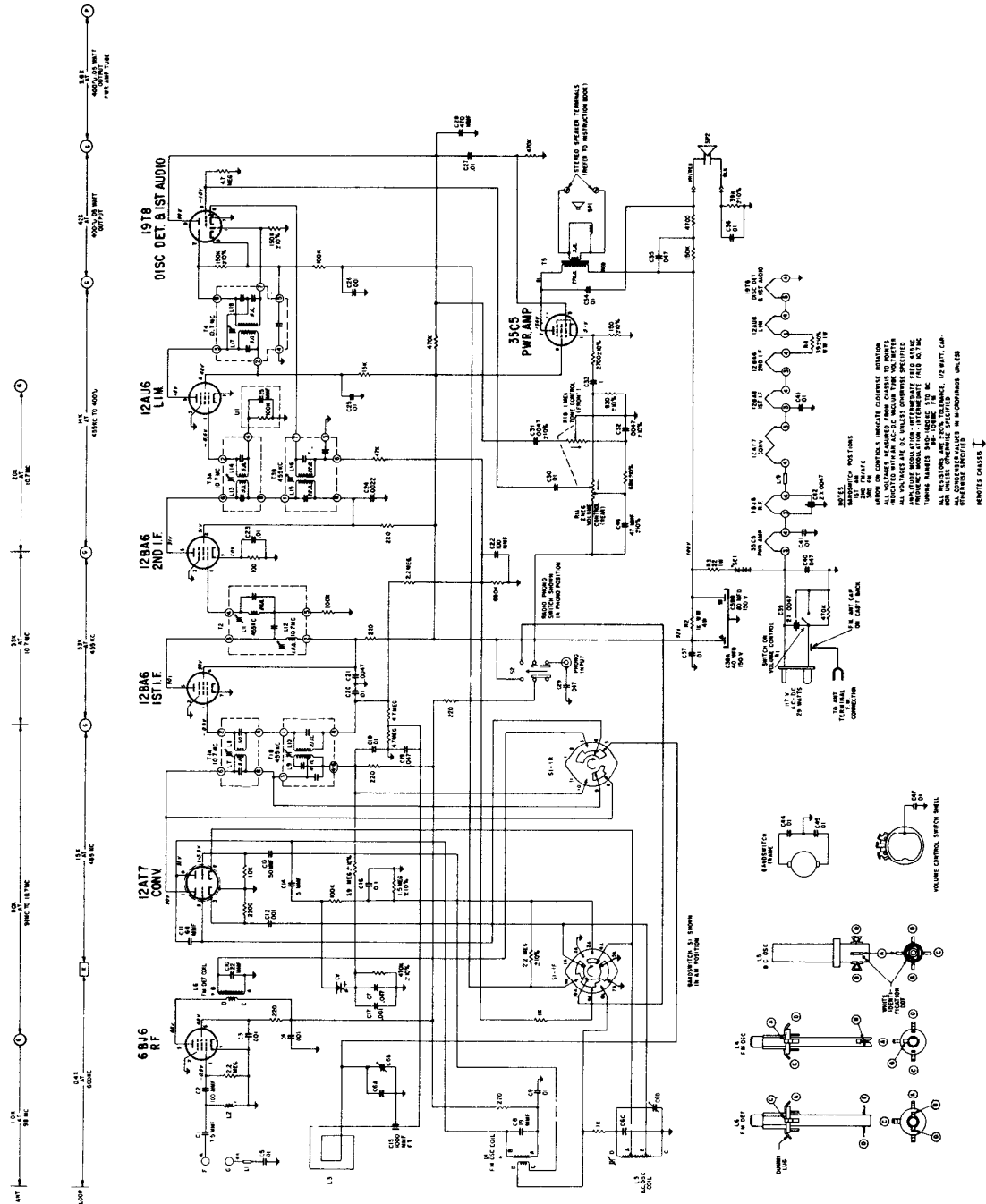


ZENITH RADIO MODEL C730, E, R, CHASSIS 7C05

The schematic on this page is exact for models and chassis listed above. Zenith Radio Models C725C, F, L, Chassis 7C06, are practically the same electrically and this diagram will serve. For alignment and dial stringing information for both group of sets refer to material on 7C02, on page 173.



VOLUME R-20, MOST-OFTEN-NEEDED 1960 RADIO SERVICING INFORMATION

ZENITH RADIO CORP.

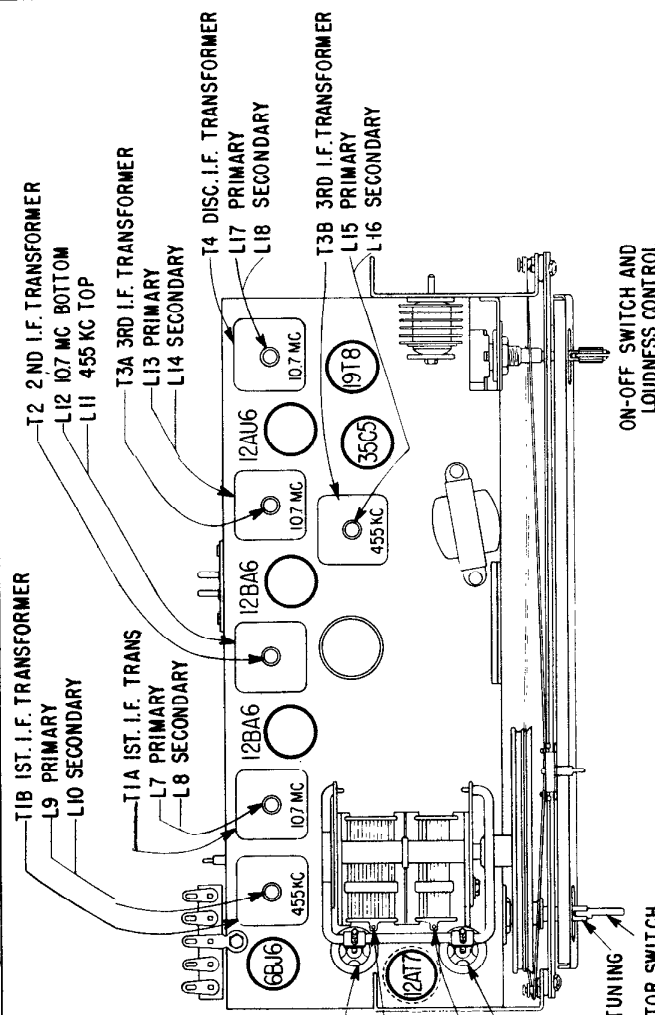
Models C724L, P, G

Chassis 7C02

(Continued from page 172, adjacent at left)

ALIGNMENT PROCEDURE

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA FREQUENCY	INPUT SIGNAL	BAND	SET DIAL TO	ADJUST	PURPOSE
1	Pin 2 12AT7 Converter	.05 Mfd.	455 Kc., 400 Cycle Modulated	BC	600 Kc.	L9,10,11,15,16	Align IF channel for maximum output.
2	2 turns loosely coupled to wavemagnet		1600 Kc., 400 Cycle Modulated	BC	1600 Kc.	C6D	Set oscillator to dial scale.
3	2 turns loosely coupled to wavemagnet		1400 Kc., 400 Cycle Modulated	BC	1400 Kc.	C6B	Align antenna stage
4 (a)	Pin 1 (grid) on 12AU6 limiter	.05 Mfd.	10.7 Mc. Unmodulated	FM		L17 coil slug pri. discr.	Align primary of discriminator for maximum reading.
5 (b)	Pin 1 (grid) on 12AU6 limiter	.05 Mfd.	10.7 Mc. Unmodulated	FM		L18 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		L13 & L14 pri. & 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		L12 2nd IF trans.	Align 2nd IF transformer for maximum reading.
8 (c)	Pin 2 (grid) on 12AT7 converter tube socket	.05 Mfd.	10.7 Mc. Unmodulated	FM		L7 & L8 pri. & sec. of 1st IF trans.	Align 1st IF transformer for maximum reading.
9 (c)	Antenna Post FM (Remove line ant.)	270 Ohms	98 Mc. Unmodulated	FM	98 Mc.	L4 osc. coil slug	Set oscillator to dial scale.
10 (c) (d)		270 Ohms	98 Mc. Unmodulated	FM	98 Mc.	L6 det. coil slug	Align det. stage to maximum reading.



Correct alignment can only be made if the following procedure is followed:  
 A vacuum tube voltmeter with an isolation resistor of 2,000,000 ohms in series with the hot lead will serve for FM adjustments. This lead should be shielded.  
 The signal generator output should be kept just high enough to get an indication on the meter.  
 (a) Vacuum Tube Voltmeter Lug 7 on discriminator transformer to chassis (half discriminator load).  
 (b) Vacuum Tube Voltmeter Lug 5 on discriminator transformer to chassis (full discriminator load).  
 (c) Vacuum Tube Voltmeter from Limiter Grid to Chassis.  
 (d) Loosen Slugs by applying a hot iron to the cement.  
 An AC output meter connected across the primary or secondary of the output transformer will be satisfactory for all AM adjustments.  
 L6 F.M. DETECTOR 98 MC  
 C6B BC. ANTENNA TRIMMER 1400 KC  
 C6D BC. OSCILLATOR TRIMMER 1600 KC  
 L4 F.M. OSCILLATOR 98 MC  
 I.F. TRANSFORMER CORE POSITIONS ARE AS FOLLOWS  
 PRIMARY ADJUSTMENT BOTTOM  
 SECONDARY ADJUSTMENT TOP  
 TUNING  
 ON-OFF SWITCH AND LOUDNESS CONTROL  
 SELECTOR SWITCH