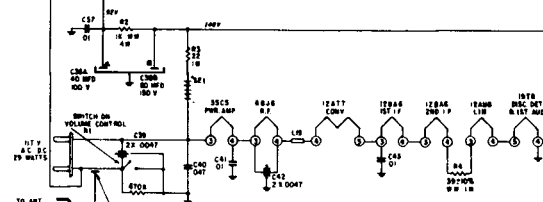
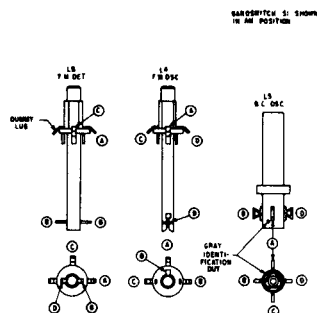
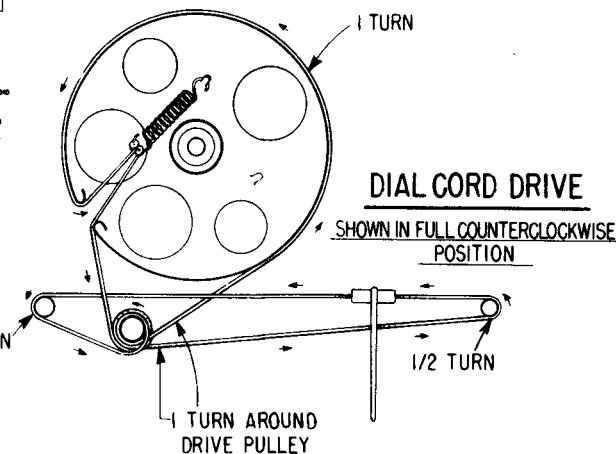


Detail of
IF Transformer



NOTES
BANDSWITCH POSITIONS
1ST POS
2ND POS
ARROW ON CONTROLS INDICATE COUNTERCLOCKWISE ROTATION.
ALL VOLTAGES MEASURED FROM CHASSIS TO POINTS INDICATED WITH AN A.C. D.C. MEDIUM TUBE VOLTMETER
ALL VOLTAGES ARE D.C. UNLESS OTHERWISE SPECIFIED
AMPLITUDE MODULATION - INTERMEDIATE FREQ. 100KC
FREQUENCY MODULATION - INTERMEDIATE FREQ. 10.7MC
TUNING RANGES: 840-1000MC 570 MC
88-100MC 72 MC
ALL RESISTORS ARE 20% TOLERANCE, 1/2 WATT, CARBON UNLESS OTHERWISE SPECIFIED
ALL CAPACITOR VALUES IN MICROFARADS UNLESS OTHERWISE SPECIFIED
DENOTES CHASSIS



ZENITH RADIO CORPORATION
MODEL C724L,P,G CHASSIS 7C02

ALIGNMENT PROCEDURE

ZENITH RADIO CORP.
Models C724L, P, G
Chassis 7C02
(Continued from page 172,
adjacent at left)

OPERATION	CONNECT OSCILLATOR TO	DUMMY ANTENNA	INPUT SIGNAL FREQUENCY	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	270 Ohms	98 Mc. Unmodulated	FM	98 Mc.	L4 osc. coil slug	Set oscillator to dial scale.
10 (c) (d)	(Remove line ant.)	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.

- Vacuum Tube Voltmeter Lug 7 on discriminator transformer to chassis (half discriminator load).
- Vacuum Tube Voltmeter Lug 5 on discriminator transformer to chassis (full discriminator load).
- Vacuum Tube Voltmeter from Limiter Grid to Chassis.
- 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.

