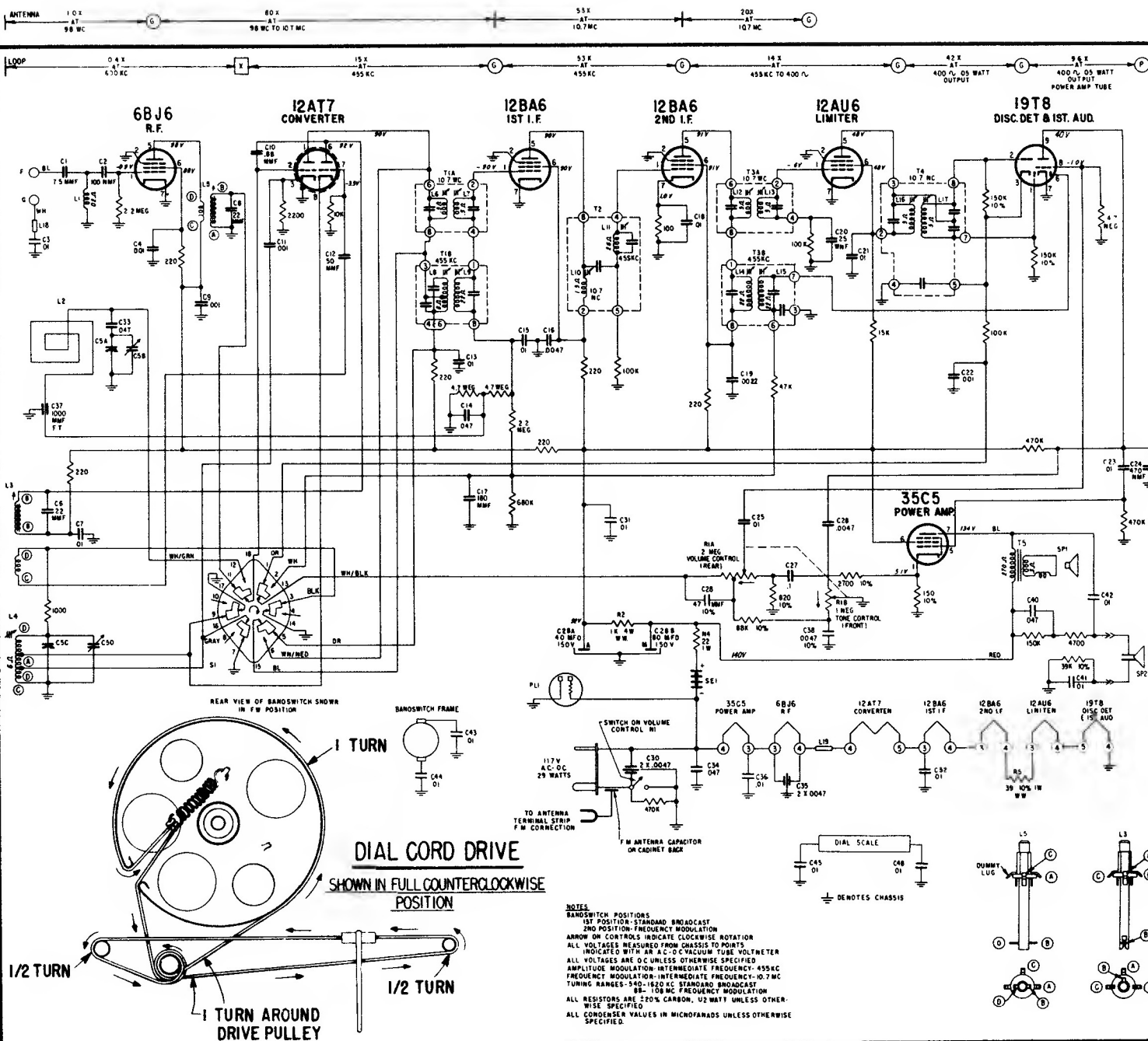


ZENITH RADIO MODEL A730R, E CHASSIS 7A05



T1B 1ST I.F. TRANSFORMER
L8 PRIMARY
L9 SECONDARY

T1A 1ST I.F. TRANSFORMER

L6 PRIMARY
L7 SECONDARY

TUBE AND TRIMMER LOCATION

T2 2ND I.F. TRANSFORMER
L10 10.7 MC. BOTTOM
L11 455 KC TOP

T3A 3RD I.F. TRANSFORMER
L12 PRIMARY
L13 SECONDARY

I.F. TRANSFORMER CORE ADJUST.
ARE AS FOLLOWS
PRIMARY ADJUSTMENT BOTTOM
SECONDARY ADJUSTMENT TOP

L5 F.M. DETECTOR 98 MC

C5B BC. ANTENNA TRIMMER
1400 KC

C5D BC. OSCILLATOR TRIMMER
1600 KC

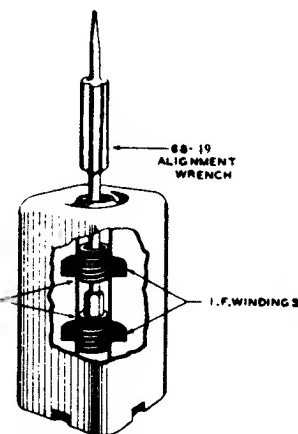
L3 F.M. OSCILLATOR 98 MC

T4 DISC. I.F. TRANSFORMER
L16 PRIMARY
L17 SECONDARY

T3B 3RD I.F. TRANSFORMER
L14 PRIMARY
L15 SECONDARY

TUNING SLUGS

TO PM SPEAKER
VOICE COIL TERMINALS



Detail of
IF Transformer

ALIGNMENT PROCEDURE

OPERATION	CONNECT OSCILLATOR TD	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 coupled to wavemagnet		1600 Kc. Modulated.	BC	1600 Kc.	C5D	Set oscillator to dial scale.
3	2 turns loosely coupled 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		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		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		L12 & L13 Prim. & 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		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		L6 & L7 Prim. & 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.	L3 Osc. Coil Slug	Set Oscillator to dial scale.
10 (c) (d)	(Remove line ant.)	270 ohms	98 Mc. Unmodulated	FM	98 Mc.	L5 Det. Coil Slug	Align det. stage to maximum reading.

ZENITH RADIO Models A730E, A730R,
Chassis 7A05, Alignment Information