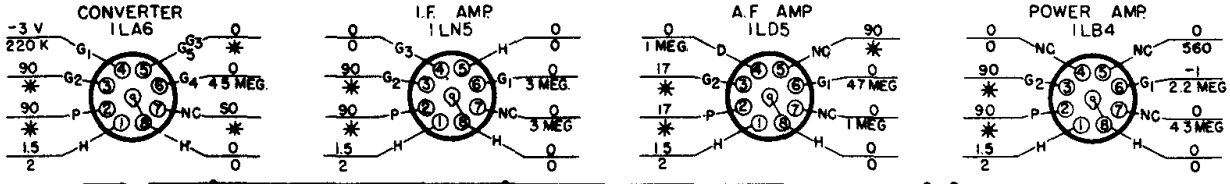
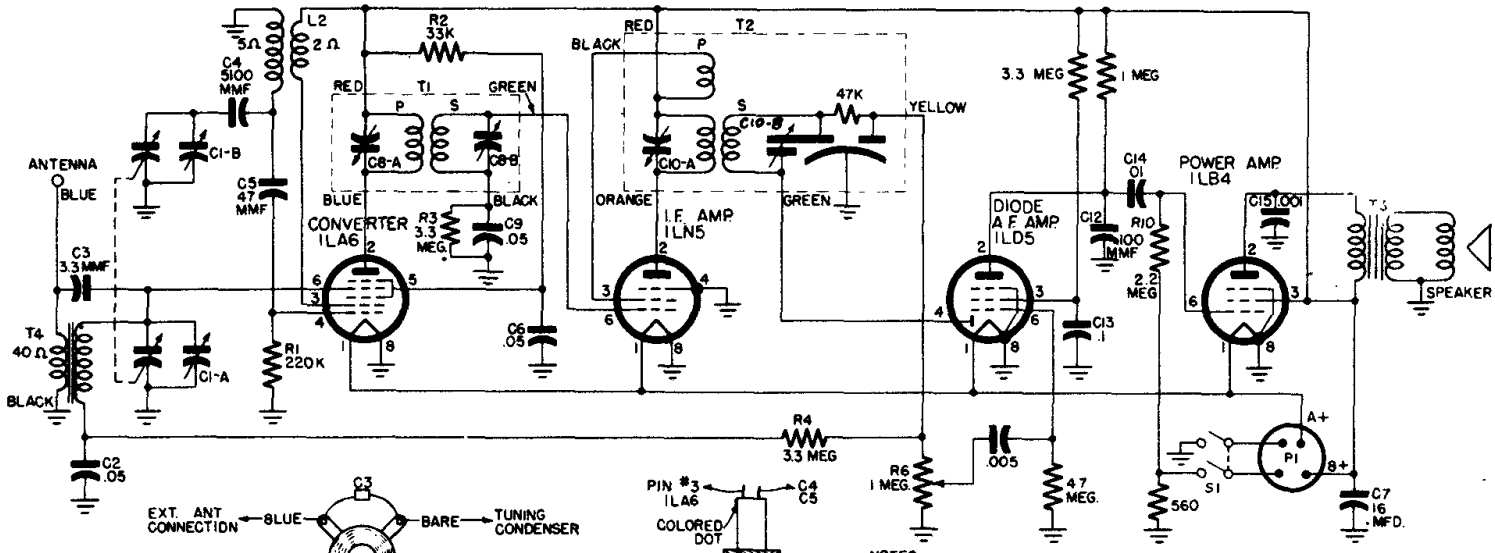
Bendix

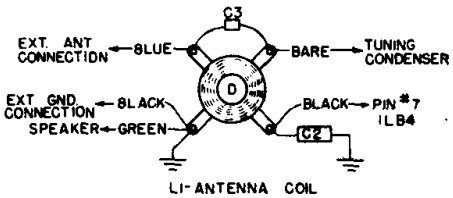
MODEL 416A RECEIVER

CONDITIONS OF MEASUREMENTS

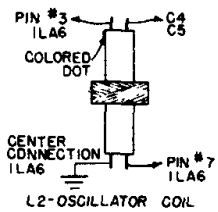
ZERO SIGNAL INPUT VOL. CONT. MIN. SOCKET VOLTAGE / RESISTANCE TO COMMON GROUND ⏚ D.C. AT 20,000 Ω/V.







L1- ANTENNA COIL



L2- OSCILLATOR COIL

NOTES-

ALL CAPACITANCE IN WHOLE NUMBERS IN MMF THOSE IN DECIMINAL NUMBERS IN MF

ALL RESISTANCE IN OHMS UNLESS OTHERWISE NOTED

✱ IS RESISTANCE MEASUREO ACROSS FILTER CONDENSER C7.

K = 1000 Ω

⏚ CHASSIS GROUND

RANGE - 540 TO 1620 KCS

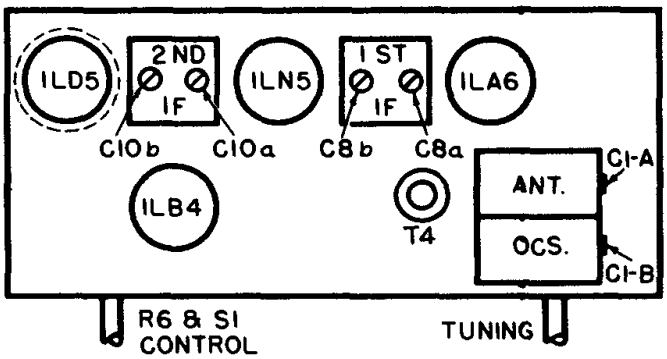
TRANSFORMER RESISTANCE IN OHMS

	ANT	OSC	1ST IF				2ND IF			OUTPUT		
SYMBOL	L1	L2	T1				T2			T3		
CODE	238	125	125	198	305	420	238	306	420	125	350	394
PRIMARY	40	1.5	16	16	22	24	25	20	20	1000	1000	2000
SECONDARY	15	5	16	16	22	24	25	20	20			

RESISTANCE LESS THAN 1 OHM NOT SHOWN

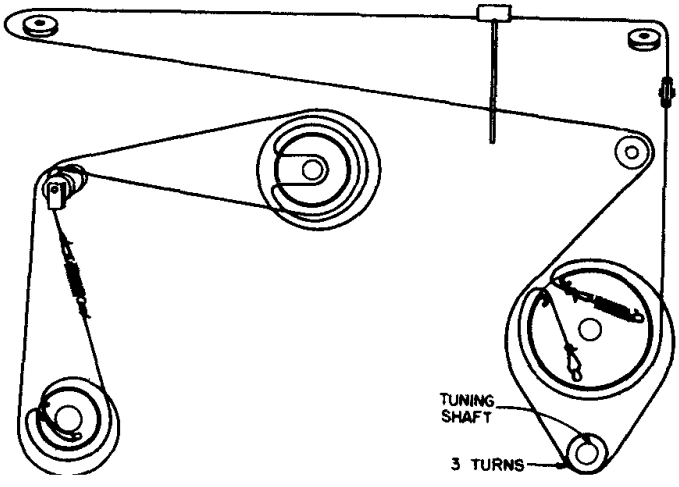
ALIGNMENT PROCEDURE

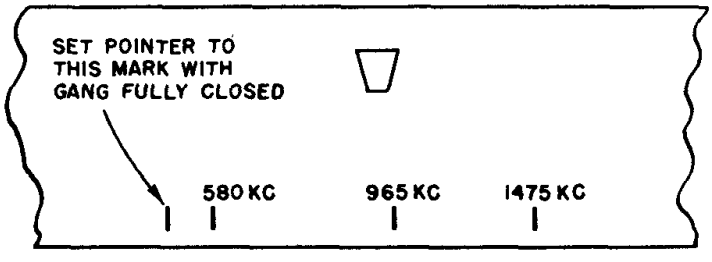
Before making any adjustments check battery voltage: the "B" supply should not be below 85 volts and the "A" supply below 1.3 volts. Connect output meter across voice coil and RF signal generator, 30% amplitude modulated, to antenna lead through a .05 mfd. capacitor for IF alignment and through 200 mfd. for oscillator and RF alignment. All adjustments made for maximum output meter reading with volume control full on. Keep output of signal generator as low as possible at all times. Rotate tuning gang to fully closed position and set dial pointer to reference mark on dial back plate before proceeding with alignment as outlined in chart below.



Input Freq.	Dial Pointer Position	Adjust
455KC	Max. to right	C10B, C10A
1475KC	1475KC	C1B, C1A
965KC	965KC	*Check Calib.
580KC	580KC	*Check Calib.

If calibration is off more than 10KC the rotor plates of the gang may be bent to correct calibration.





DIAL REFERANCE POINTS