

Voltages taken from different points of circuit to chassis are measured with volume control full on, all tubes in their sockets and speaker connected, with a volt meter having a resistance of 1000 ohms per volt.

All voltages as indicated on diagram are measured with 115 volts on the primary of the power transformer.

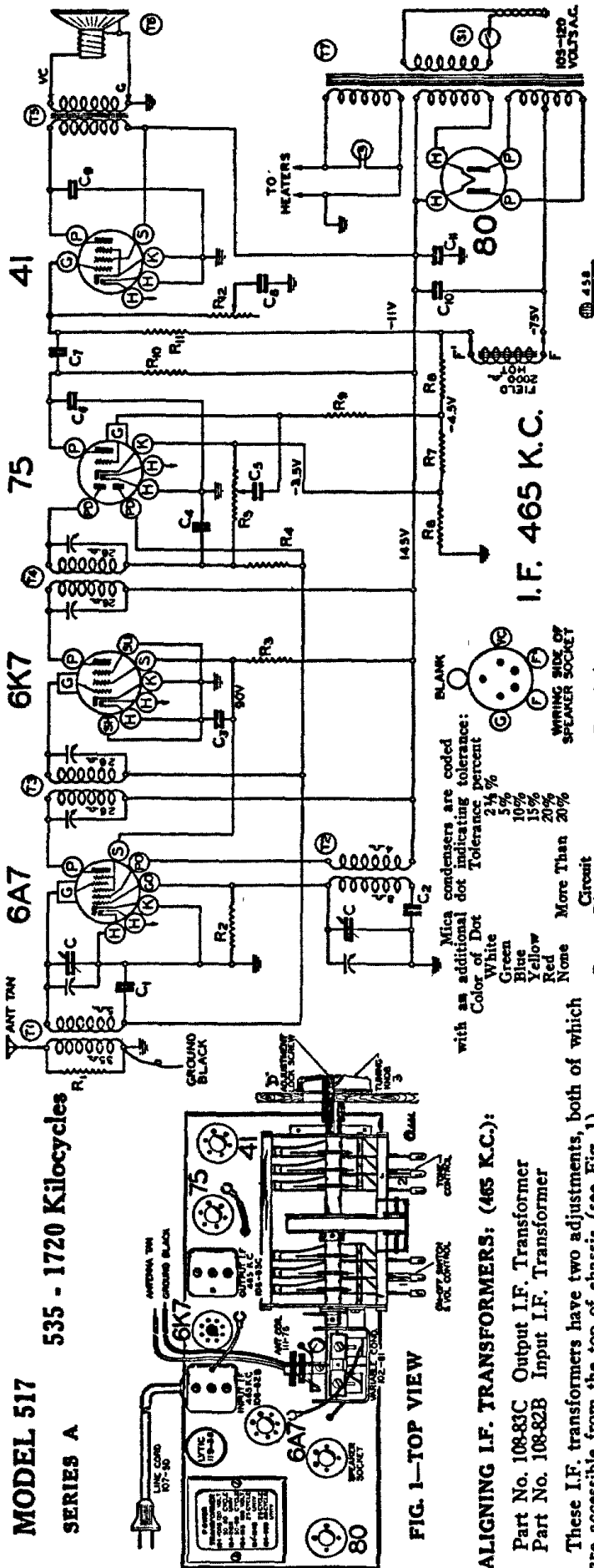


FIG. 1—TOP VIEW

ALIGNING I.F. TRANSFORMERS: (465 K.C.):

Part No. 108-83C Output I.F. Transformer
Part No. 108-82B Input I.F. Transformer

These I.F. transformers have two adjustments, both of which are accessible from the top of chassis (see Fig. 1).

1. With volume control full on (the extreme right of its rotation), and with the variable condenser set to approximately 1400 kilocycles, make the following adjustments:
 - (a) Connect external oscillator set at 465 kilocycles, in series with .1 mfd. condenser, to the control grid cap of the type 6K7 tube, and adjust the output I.F. transformer (No. 108-83C) to resonance.
 - (b) Move oscillator output clip from grid of 6K7 to grid of 6A7 and adjust input I.F. transformer (No. 108-82B) to resonance.
 - (c) With oscillator still connected to 6A7, readjust output I.F. transformer (108-83C) if necessary.

R.F. ALIGNMENT: (535-1720 K.C.)

1. With gang condenser in its minimum capacity position, plates entirely out of mesh, connect an external oscillator in series with a 200 mmf. condenser to the antenna lead and chassis ground and make the following adjustments:
 - (a) With external oscillator set at 1720 kilocycles, adjust oscillator trimmer to resonance. This adjustment is on the top of rear section of variable gang condenser. (See Fig. 1).
 - (b) Re-set external oscillator to 1400 kilocycles, rotate condenser, pick up oscillator signal and adjust antenna trimmer to resonance. (Top of front section of gang condenser).
 - (c) Check sensitivity at 600 and 1000 kilocycles.

PROCEDURE FOR SETTING THE "PRESTO-MATIC" LEVERS:

There are six levers on the dial by means of which six stations may be selected,

Press down any one of the six "Presto-matic" levers. Holding it down, tune in by means of knob No. 3 any one of your favorite stations. Turn the tuning knob very slowly back and forth until the signal is clearest. The station will then be accurately tuned in.

Release the lever and press down any other "Presto-matic" lever and again hold it down, tune in by means of knob No. 3 another favorite station.

When you have selected all your favorite stations, hold tuning knob No. 3 securely and with a coin or a screw driver, tighten the special locking screw ("D") in the center of the tuning knob, (See Fig. 1).

This screw will lock in place all the stations you have selected on the "Presto-matic" levers. (Note: Locking Screw "D" is loose when radio is shipped from factory).

If you should desire to change any station you selected to another, hold tuning knob No. 3 securely, loosen locking screw ("D") and select the new station as explained.

(No. 7K 860000 and up)

114-97	T6	SPEAKER Five Inch Dynamic Speaker (Field 2000 Ohm)
101-59	R12	MISCELLANEOUS Tone Control (1 Meg Ohm)
101-94	R5, S1	Volume Control and Switch (1 Meg Ohm)
102-61		Two Gang Variable Condenser
105-53		Output Transformer (For Speaker)
107-51		Line Cord and Plug
108-128		Wood Knob (Spring Type)
108-128		Special Tuning Knob
		COILS Input I.F. Coil Assembly Complete Output I.F. Coil Assembly Complete Oscillator Coil Assembly Complete Antenna Coil Assembly Complete
		SOCKETS Six Prong Socket - Marked "41" Six Prong Socket - Marked "75" Seven Prong Socket - Marked "6A7" Five Prong Socket - Marked "SPKR" Four Prong Socket - Marked "90" Eight Prong Octal Socket - Marked "6K7"
		TRANSFORMERS Power Transformer 50/60 Cycle 105-115 Volt Universal 50/60 Cycle Transformer Power Transformer 25/60 Cycle - 105-115 Volts Universal 25/60 Cycle Transformer Universal 40/60 Cycle Transformer
		RESISTORS 100 Ohm: 33 Ohm: 20 Ohm Metal Glad Resistor 3 Meg Ohm - 1/3 Watt - 20% 200K Ohm - 1/3 Watt - 20% 50K Ohm - 1/3 Watt - 20% 10K Ohm - 1/3 Watt - 20% 600K Ohm - 1/3 Watt - 20% 15M Ohm - 1/3 Watt - 20%
		CONDENSERS .05 x 20 Volt Tubular .01 x 400 Volt Tubular .006 x 600 Volt Tubular .02 x 400 Volt Tubular .004 x 600 Volt Tubular .1 x 400 Volt Tubular (with Bracket) 5MFD x 200 v.v.: 5MFD x 250 v.v. Electrolytic Filter .0005 Mica - Type MT - 20% .0001 Mica - Type MT - 20% .000386 Mica Compression Type Padder
		CONNECTIONS C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, 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