

1931-32

Warning: Do not install type 224 tubes in either 905 or 907 chassis.

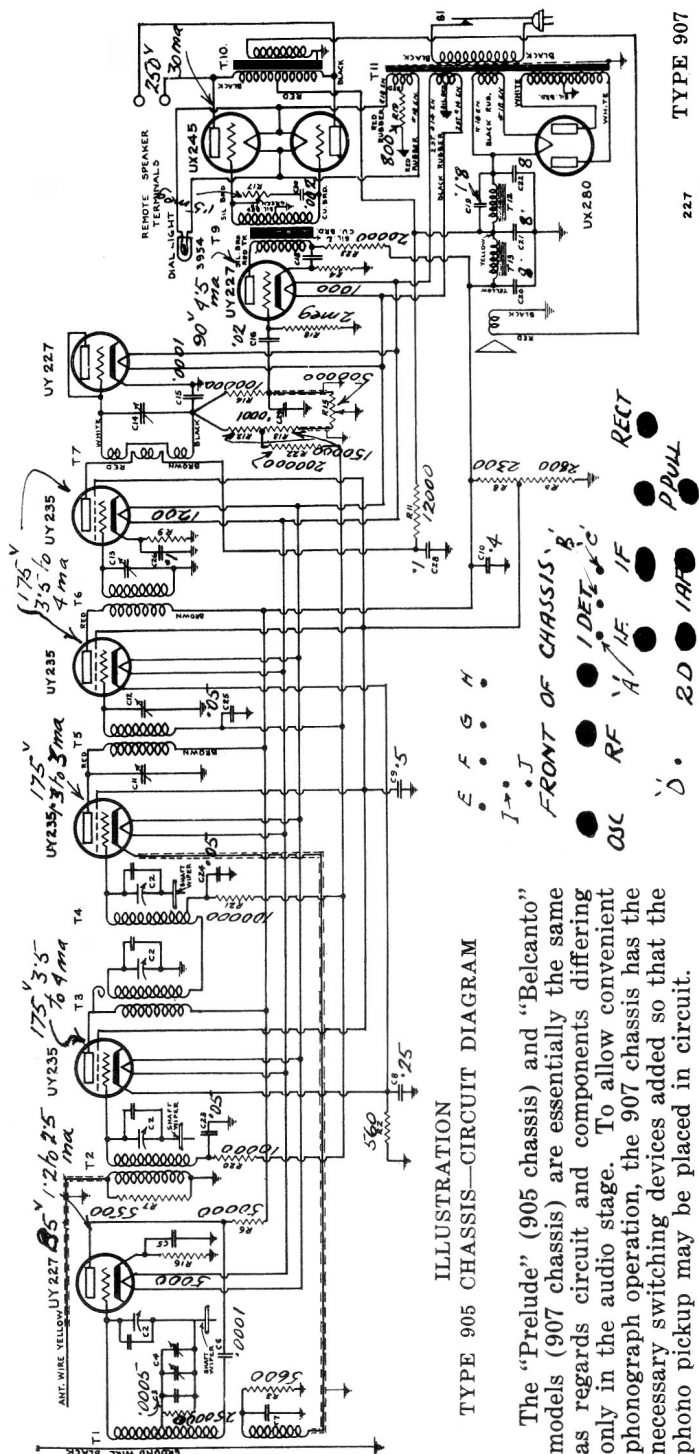


ILLUSTRATION
TYPE 905 CHASSIS—CIRCUIT DIAGRAM

The "Prelude" (905 chassis) and "Belcanto" models (907 chassis) are essentially the same as regards circuit and components differing only in the audio stage. To allow convenient phonograph operation, the 907 chassis has the necessary switching devices added so that the phono pickup may be placed in circuit.

Place chassis in operation with level control "full on." Turn on oscillator and adjust tuning accurately to 175 kilocycles.

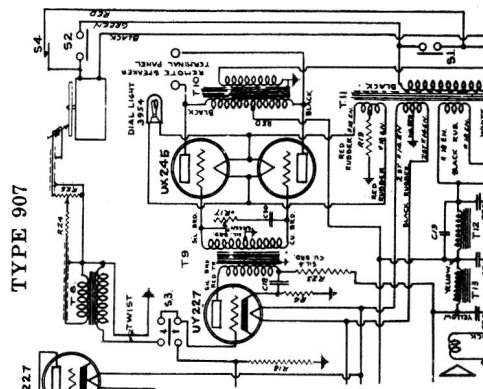
Adjust aligning screws "D", "C", "B" and "A", in that order, for maximum deflection on output indicator, reducing output of service oscillator as necessary to prevent output indicator from reaching full scale reading.

Keeping the oscillator output at a low level is necessary to prevent false aligning peaks that might occur should overload of any of the stages develop.

The aligning screws "A", "B" and "C" resonate the first and second I. F. transformers.

Aligning screw "D" (accessible from under-
side of chassis) resonates the third I. F.
transformer secondary.

Disconnect service oscillator from control grid cap of mixer stage and replace grid clip.



TYPE 907

Adjust service oscillator and receiver "in tune" at 1460 kilocycles. Adjust screw "E" for maximum value on the output meter. Two resonance peaks will be noted in aligning this condenser. It should be aligned on the outside peak. (See Note 2). If the inside peak is used, the receiver will be found to be dead around the center of the dial and possibly weak at 600 kilocycles.

Align "H", "G" and "F" respectively for maximum reading on the output meter. (See Note 1).

With service oscillator lead still connected to the receiver antenna adjust the oscillator to *600 kilocycles*, the receiver also tuned to this frequency. Adjust the padding condensers "I" and "J" by varying. The condenser gang should be moved while peaking the padding condensers. If the gang is left stationary a false peak will be obtained and the receiver will be weak at *600 kilocycles*. The padding condensers also have a double peak; always align on the outside one.

Following alignment of "I" and "J" at 600 *kilocycles* readjust service oscillator and receiver to tune at 1400 *kilocycles* and again check condensers "E", "F", "G" and "H", compensating for any difference brought about in adjusting padding condensers "I" and "J".