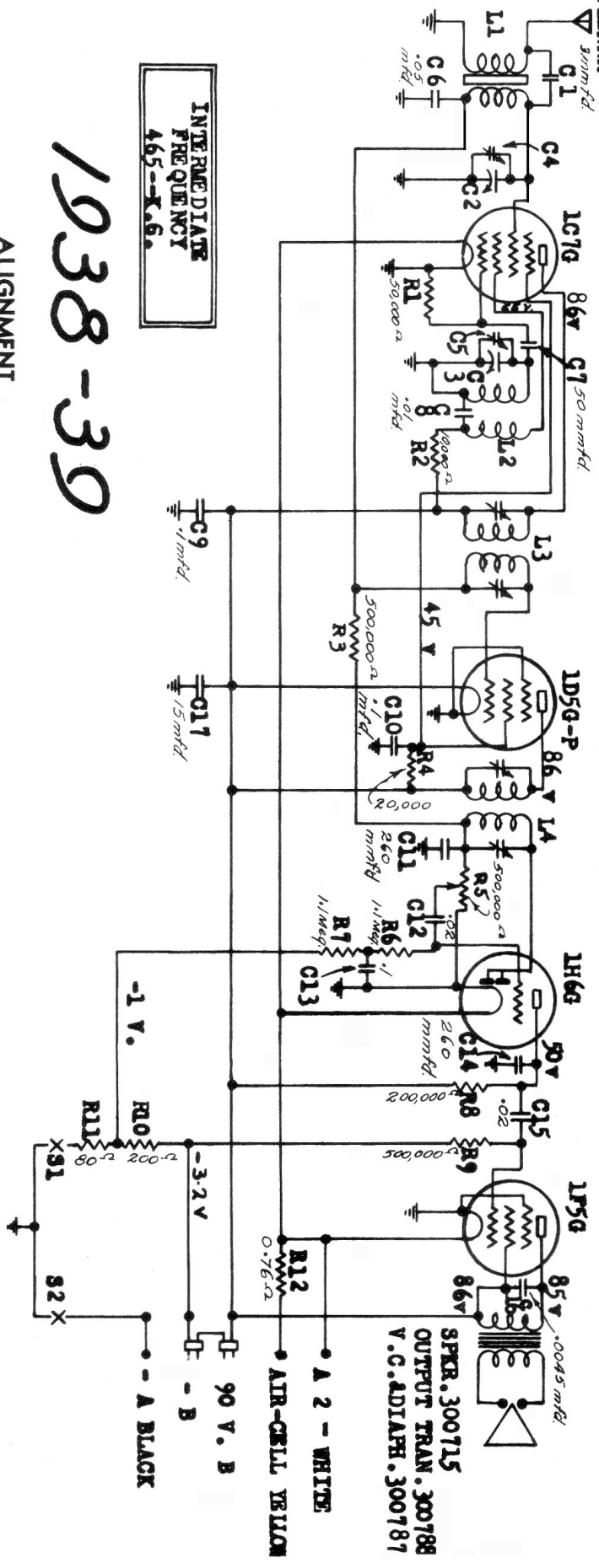


ANTENNA  
3mmfd

R-4191 GLENBRAE



1938-39

ALIGNMENT

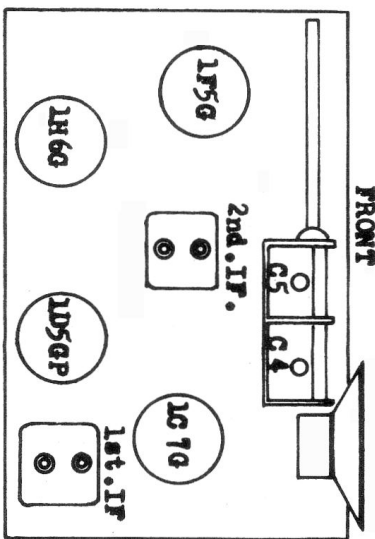
Note: The chassis must be removed from the cabinet.

**INTERMEDIATE FREQUENCY:** Connect a test oscillator tuned to 465 KC to the control grid of the 1C7G tube through a .05 mfd condenser with the low side of the oscillator connected to the chassis.

With the gang at the high frequency end adjust the I.F. trimmers for maximum output beginning with the second stage. If appreciable adjustment was required, repeat the operation.

The volume control should be on full and the weakest readable signal used. The output meter may be connected to the speaker voice coil terminals or across the primary of the output transformer through a blocking condenser of .1 mfd or greater.

**R.F. ALIGNMENT.** Connect the test oscillator to the blue antenna wire through a standard broadcast dummy antenna or a 200 mfd condenser and turn the gang condenser all in to the maximum capacity position. Then with a 535 KC signal input adjust the oscillator trimmer C5 for a peak. Then change the test oscillator frequency to 1500 KC and tune in this signal by rotating the gang and adjust antenna trimmer C4 for maximum output. Do not readjust C5 or else the dial will not calibrate properly with the indicator marks in the dial opening in the cabinet.



**NOTE:**  
ALL VOLTAGES MEASURED FROM TUBE SOCKET TO CHASSIS WITH 1000 OHM PER VOLT METER ON HIGHEST READABLE RANGE

(A) DRAIN = 360 MILLS.  
(B) DRAIN = 11.5 MILLS.

MODELS R-4191,

R-4271