

OLYMPIC RADIO & TELEV. INC.

MODELS 6-501, 6-502,
6-503

Equipment Required:

Modulated R.F. signal generator; output meter; insulated screw-driver; two .1 mfd 400 volt and one 50 mmfd 400 volt condensers.

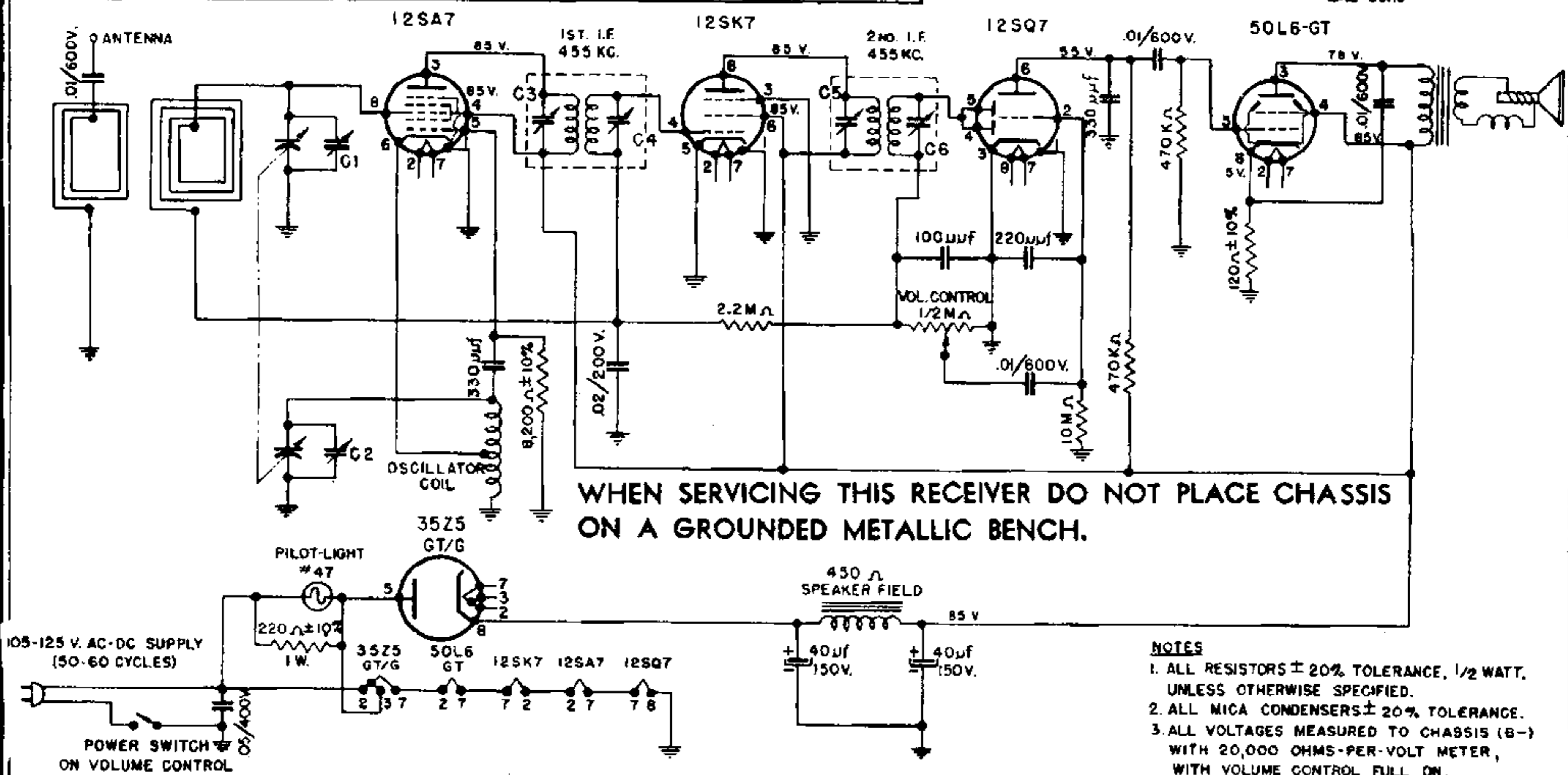
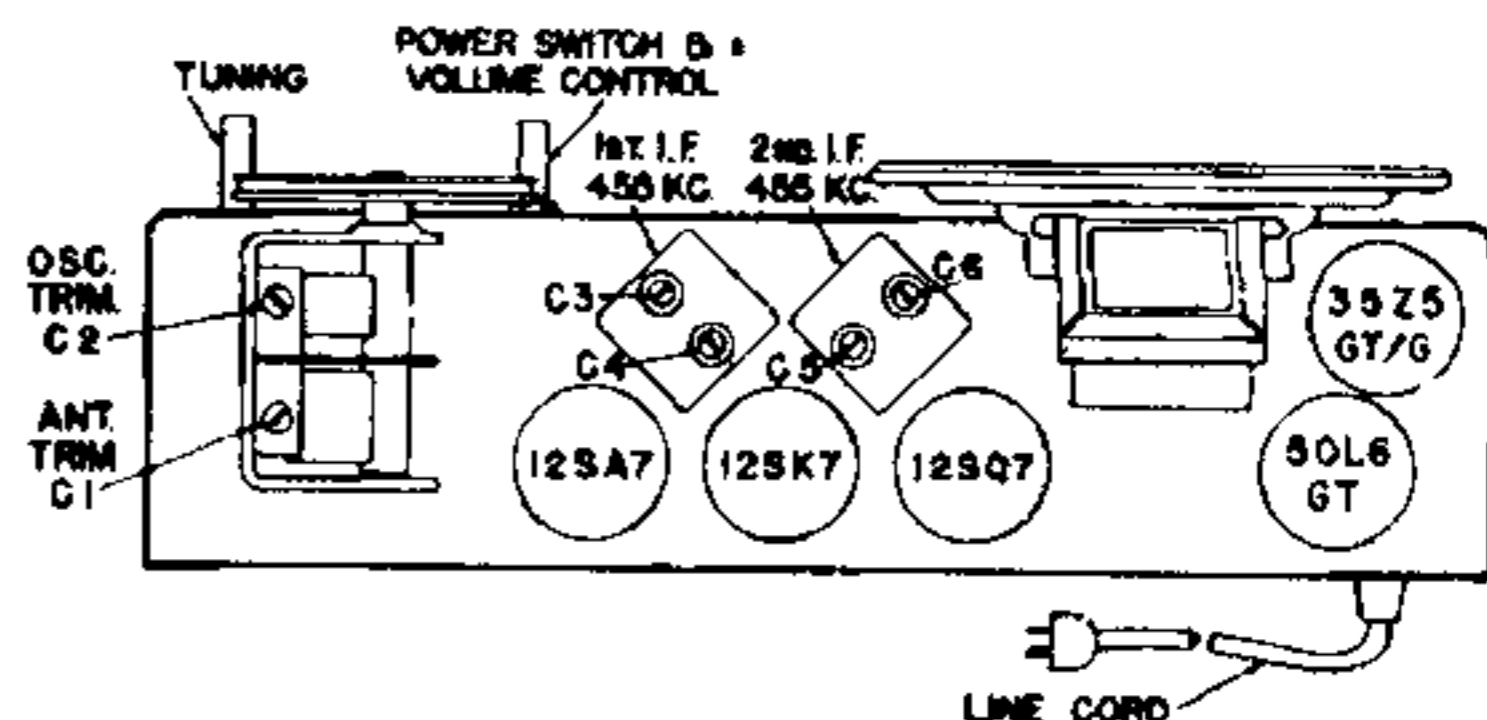
To align the receiver it is necessary to remove the chassis from the cabinet, check that the pointer is horizontal and coincides with the two horizontal reference lines on the dial. In this position the condenser should be completely closed. Connect the output meter and signal generator as follows:

Output meter — Connect across voice coil and turn volume control to maximum.

Signal generator — Connect the low side of the signal generator to the receiver chassis thru a .1 mfd condenser and keep the output as low as possible, then proceed in the sequence shown on the alignment chart.

ALIGNMENT PROCEDURE CHART

STEP	CONNECT HIGH SIDE OF SIGNAL GENERATOR TO -	SET SIGNAL GENERATOR TO -	TURN RECEIVER DIAL TO -	ADJUST THE FOLLOWING FOR MAXIMUM OUTPUT (KEEP SIGNAL FROM SIGNAL GENERATOR AS LOW AS POSSIBLE)
1	ANTENNA SECTION TUNING CONDENSER IN SERIES WITH .1MFD. COND.	455 KC.	FULL CLOCKWISE POSITION. (CONDENSER PLATES FULLY OPEN)	C6, C5, C4, C3 AND REPEAT IN SAME ORDER (1st. AND 2nd. I.F. TRANSFORMERS.)
2	ANTENNA TERMINAL	1700 KC.	1700 KC. (170 ON DIAL)	C2 (OSCILLATOR)
3	OF ANTENNA LOOP IN SERIES WITH	1400 KC.	MAXIMUM SIGNAL (APPROX. 140 ON DIAL)	C1 (ANTENNA)
4	50 MMFD. COND.			REPEAT STEPS 2 AND 3



WHEN SERVICING THIS RECEIVER DO NOT PLACE CHASSIS ON A GROUNDED METALLIC BENCH.

- NOTES
1. ALL RESISTORS ± 20% TOLERANCE, 1/2 WATT, UNLESS OTHERWISE SPECIFIED.
 2. ALL MICA CONDENSERS ± 20% TOLERANCE.
 3. ALL VOLTAGES MEASURED TO CHASSIS (B-) WITH 20,000 OHMS-PER-VOLT METER, WITH VOLUME CONTROL FULL ON.

Part No.	Description	Part No.	Description
BU-187	Pilot light bulb 6.3V (#47 Mazda)	RCPI0W2203A	Capacitor—.02 mfd., 200 volts tubular
CA-167W	Cabinet—Walnut bakelite cabinet	RCPI0W4503A	Capacitor—.05 mfd., 400 volts tubular
CA-167V	Cabinet—Ivory bakelite cabinet	RCPI0W6103A	Capacitor—.01 mfd., 600 volts tubular
CL-159	Coil—oscillator coil	REB106M	Resistor— 10 meg., ± 20% 1/2 watt
CO-107	Capacitor—Electrolytic 40+40/150WV	REB121K	Resistor—120 ohms ± 10% 1/2 watt
CR-169	Crystal—dial crystal	REB225M	Resistor—2.2 meg., ± 20% 1/2 watt
CV-501	Condenser—2 gang variable tuning condenser	REB474M	Resistor—470,000 ohms ± 20% 1/2 watt
KN-352	Knob—Walnut knob	REB822K	Resistor—8200 ohms ± 10% 1/2 watt
KN-353	Knob—Ivory knob	REC221K	Resistor—220 ohms ± 10% 1 watt
LP-163	Loop	SK-110	Speaker—5" Dynamic with output transformer
PO-259	Pointer—moulded pointer	SO-190	Socket—Dial light socket assembly
PT-102	Volume control and power switch	SP-191	Spring—Tuning drive lock spring
RCM20A101M	Capacitor—100 mmf ± 20% mica	TR-186	Transformer—1st or 2nd I.F. transformer
RCM20A221M	Capacitor—220 mmf ± 20% mica		
RCM20A331M	Capacitor—330 mmf ± 20% mica		