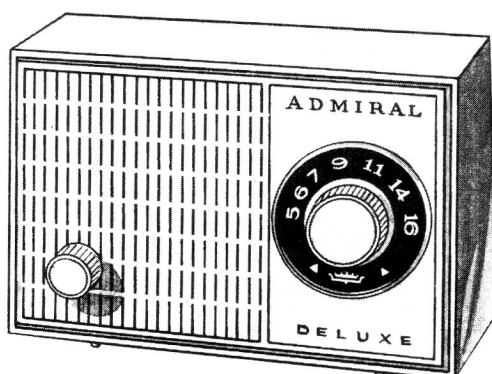
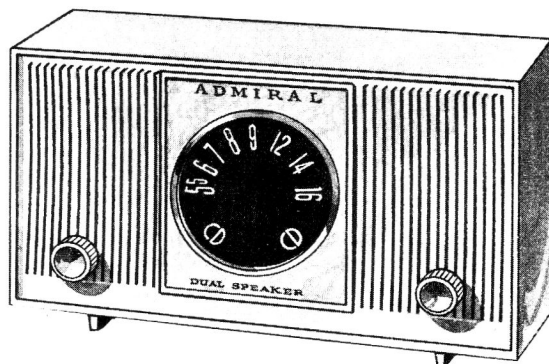


ADMIRAL

RADIO



Y3510 SERIES



Y3520 SERIES

CHASSIS REMOVAL

1. Carefully pry up top of cabinet at back with finger tips, enough to allow removal of cabinet back.
2. Remove screw holding volume control to cabinet front.
3. Remove screws holding tuning gang assembly.
4. Remove plastic support from back of chassis and slip chassis assembly out.

MODEL IDENTIFICATION CHART

MODEL	COLOUR	CHASSIS
Y3510 Y3513 Y3517 Y3519	Gray White Beige Blue	5K6X
Y3523 Y3528 Y3529	White Green Blue	5L6X

ALIGNMENT PROCEDURE

Use an isolation transformer or connect a .1 mf capacitor in series with low side of signal generator.
CAUTION: Do not connect an earth ground wire directly to chassis.

Set volume control full on.

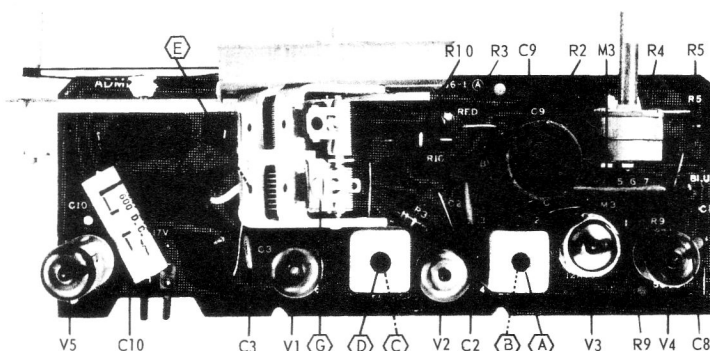
Connect output meter across output secondary. Disconnect speaker and use a 3.2 ohm load.

Use lowest setting of signal generator capable of producing adequate indication on lowest scale of meter.

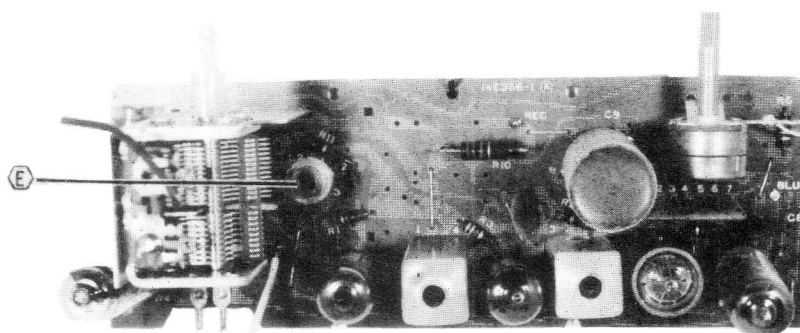
By using alignment tool 98A30-7, you can align both IF transformer slugs from the top of the can.

Repeat adjustments to insure best results.

STEP	CONNECTION OF SIGNAL GENERATOR	SIGNAL GENERATOR FREQUENCY	RECEIVER GANG SETTING	ADJUSTMENT DESCRIPTION	ADJUSTMENT USE INSULATED TOOL
1	Through a .1 mf capacitor to stator, antenna section of tuning capacitor.	455KC	Fully Open	2nd IF 1st IF	(A) (B) (C) (D) For Max
2	Repeat step 1 for maximum output.				
3	Use a radiated signal loop of several turns of wire, or place generator lead close to receiver loop for adequate signal pickup.	1620KC	Fully Open	Osc Trimmer	(G) for Max
4	Same as step 3	535KC	Fully Closed	Osc Slug	(E) for Max
5	Repeat steps 3 & 4 several times until there is no further increase in Output and oscillator tracks properly.				
6	Same as step 3	1400KC	1400KC	Antenna Trimmer	(F) for Max

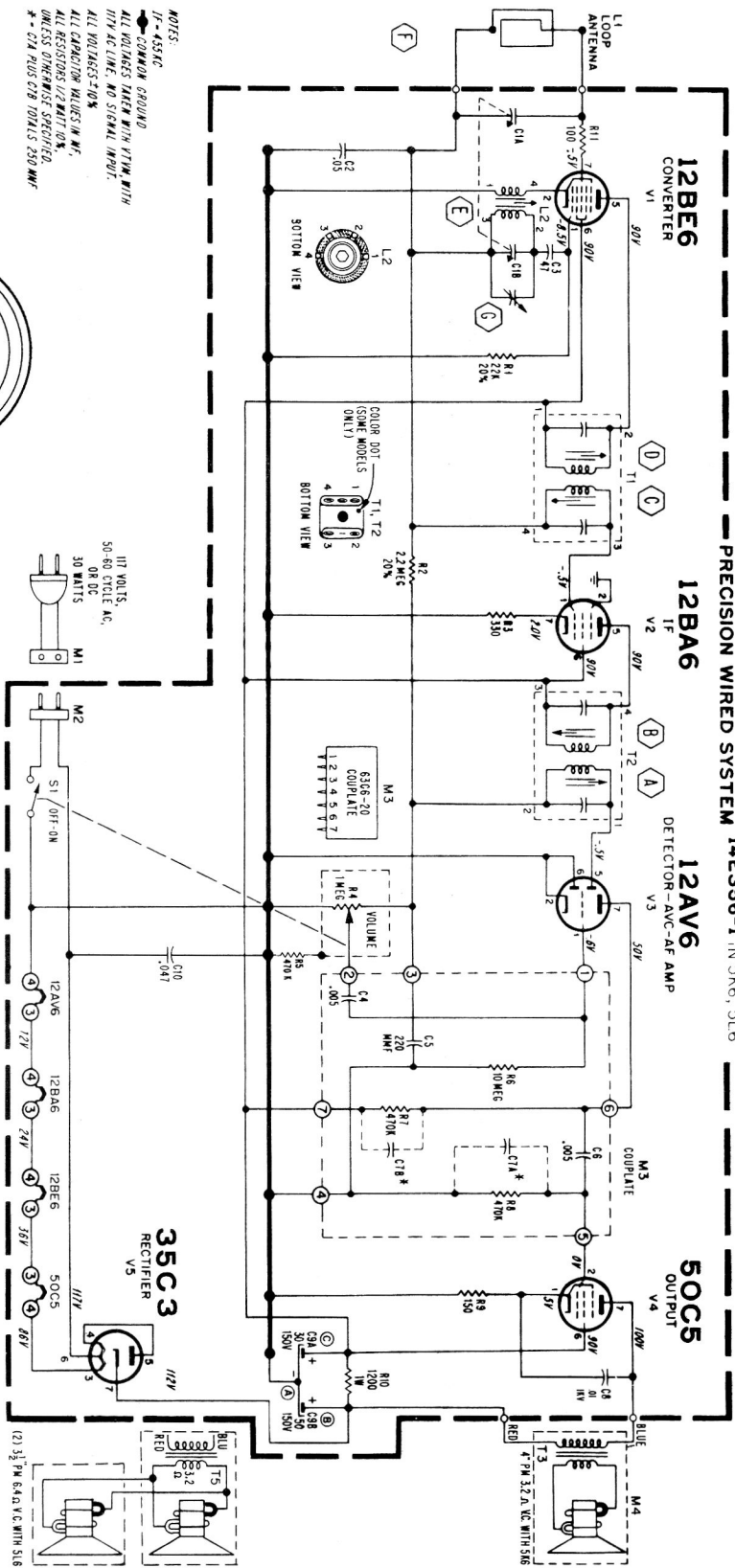


TOP VIEW OF CHASSIS (5L6) SHOWING COMPONENTS AND ALIGNMENT POINTS



TOP VIEW OF 5K6 CHASSIS
 EXCEPT ADJUSTMENT "E" ALL OTHER ADJUSTMENTS
 IDENTICAL WITH 5L6 CHASSIS

PRECISION WIRED SYSTEM 14C356-1 IN 5K6, 5L6



TUNING GANG FULLY
CLOSED.

CHASSIS PARTS LIST FOR 5K6X

RESISTORS		
Sym.	Description	Part No.
R1	22K ohms, $\frac{1}{2}$ W, 10%.....	6088-223
R2	2.2 megohm, $\frac{1}{2}$ W, 10%.....	6088-225
R3	330 ohms, $\frac{1}{2}$ W, 10%.....	6088-331
R4	Control, 1 meg. Volume with Switch S1.....	75C77-10
R5	100K ohm, $\frac{1}{2}$ W, 10%.....	6088-104
R9	150 ohm, $\frac{1}{2}$ W, 10%.....	6088-151
R10	1.2K ohm, 1W, 10%.....	60814-122
R11	100 ohm, $\frac{1}{2}$ W, 10%.....	6088-101
CAPACITORS		
C1	Gang Cond.....	68C96-3
C2	.05 mfd, 50V.....	65C45-32
C3	47 mmfd, 500V, 20%.....	65D10-198
C8	.01 mfd, 1KV, GMV.....	65M1-3
C9A	30 mfd, 150V.....	67B39-6
C9B	50 mfd, 150V.....	67B39-6
C10	.047 mfd, 600V.....	64L6-9
MISCELLANEOUS CHASSIS PARTS		
M3	Couplate.....	63D6-20
L2	Coil, Oscillator.....	69C292-3
T1	Transformer 1st. I. F.....	72C170-5
T2	Transformer 2nd. I. F.....	72C227-4
	Socket, Tube Min. 7 Pin.....	87D35-47

MISCELLANEOUS CHASSIS PARTS Cont'd		
Sym.	Description	Part No.
	Socket Tube, Min. 7 Pin (with Gnd. Strap).....	87D35-49
	Tube Shield 7 Pin.....	87B52-2

CABINET PARTS LIST

Knob, Volume Gray Y3510.....	33D432-31
Knob, Tuning Gray Y3510.....	33D432-32
Knob, Volume, Blue Y3519.....	33D432-35
Knob, Tuning, Blue Y3519.....	33D432-36
Knob Volume, White Y3513.....	33D432-37
Knob Tuning, White Y3513.....	33D432-38
Knob Volume, Beige Y3517.....	33D432-43
Knob Tuning, Beige Y3517.....	33D432-44
Support P. C. Board.....	33B464-1
Cabinet, Gray Y3510.....	34E230-1
Cabinet, White Y3513.....	34E230-2
Cabinet, Blue Y3517.....	34E230-3
Cabinet, Beige Y3519.....	34E230-4
Loop Antenna & Cabinet Back.....	69N13-1
or.....	69N13-6
Speaker 4".....	78B142-6
Line Cord & Plug.....	89C62-4

CHASSIS PARTS LIST FOR 5L6X

RESISTORS		
Sym.	Description	Part No.
R1	22K ohms, $\frac{1}{2}$ W, 10%.....	6088-223
R2	2.2 Megohms, $\frac{1}{2}$ W, 10%.....	6088-225
R3	330 ohm, $\frac{1}{2}$ W, 10%.....	6088-331
R4	Control, 1 meg. Volume with Switch.....	75C77-10
R5	100K ohms, $\frac{1}{2}$ W, 10%.....	6088-104
R9	150 ohms, $\frac{1}{2}$ W, 10%.....	6088-151
R10	1.2K ohms, 1W, 10%.....	60814-122
R11	100 ohm, $\frac{1}{2}$ W, 10%.....	6088-101
CAPACITORS		
C1	Gang Cond.....	68C86-3
C2	.05 mfd, 50V.....	65C45-32
C3	47 pfd, 500V, 20%.....	65D10-198
C8	.01 mfd, 1KV, GMV.....	65M1-3
C9A	30 mfd, 150V.....	67B39-6
C9B	50 mfd, 150V.....	67B39-6
C10	.047 mfd, 600V.....	64L6-9
MISCELLANEOUS CHASSIS PARTS		
M3	Couplate.....	63D6-20
L2	Coil, Oscillator.....	69C292-5
T1	Transformer 1st I. F.....	72C170-5
T2	Transformer 2nd I. F.....	72C227-4

MISCELLANEOUS CHASSIS PARTS Cont'd		
Sym.	Description	Part No.
	Pulley, Nylon.....	17C1-92
	Spring.....	19D1-76
	Shaft, Tuning.....	28C153-14
	Bushing.....	33B534-1
	Dial Cord.....	50A1-3
	Socket, Tube Min. 7 Pin.....	87D35-47
	Tube Socket, Min. 7 Pin (W/Grd Strap).....	87D35-49
	Tube Shield, 7 Pin.....	87B52-2

CABINET PARTS LIST

Support, P. C. Board.....	33B464-1
Knob, Tuning & Volume.....	33B532-3
Disc. Calibration.....	33C600-1
Cabinet, White, Y3523.....	34E231-1
Cabinet, Green, Y3528.....	34E231-2
Cabinet, Blue, Y3529.....	34E231-3
Trimmer.....	66A33-1
Loop Ant. & Cab't Back.....	69N16-6
Speaker, $3\frac{1}{2}$ " W/Xfmr.....	78C197-1
Speaker, 3".....	78C197-2
Line Cord & Plug.....	89C62-4