

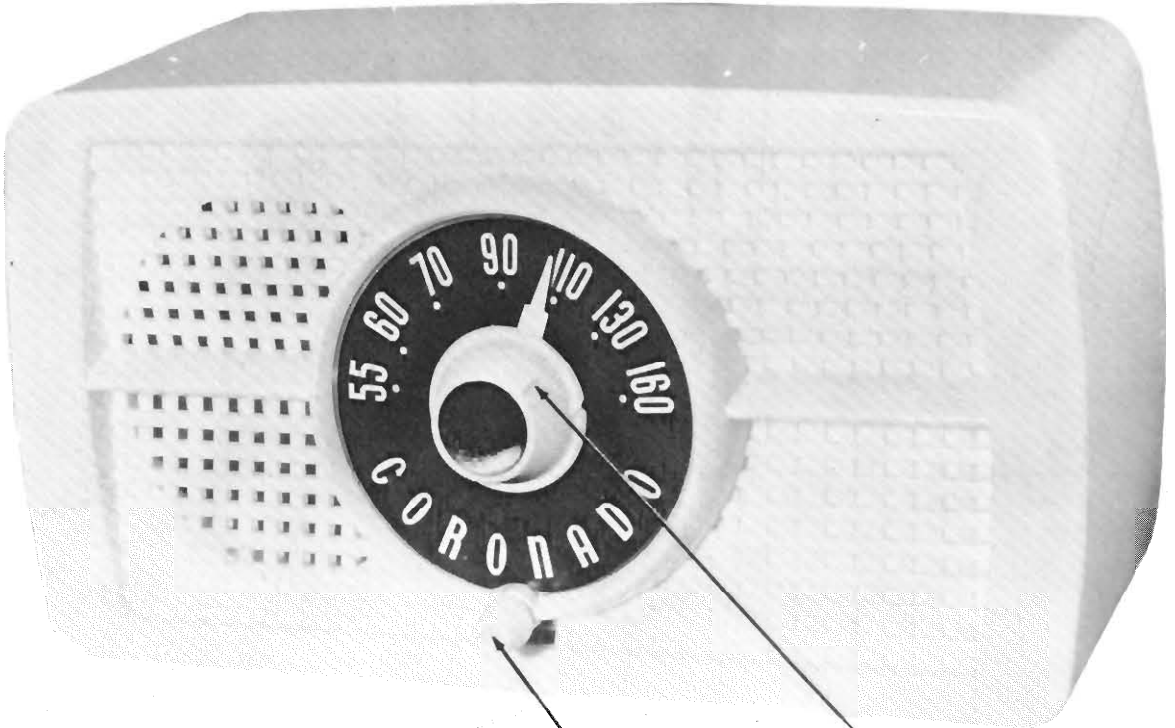
1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

CORONADO MODELS
15RA33-43-8245A, 15RA33-43-8246A

PHOTOFACT* Folder



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VOLUME CONTROL
ON-OFF SW.

TUNING CONTROL

CORONADO MODEL 15RA33-43-8246A

TRADE NAME	Coronado Models 15RA33-43-8245A, 15RA33-43-8246A					
SUPPLIER	Gamble-Skogmo, Inc., 15 N. 8th St., Minneapolis, Minn.					
TYPE SET	AC-DC Operated AM Superheterodyne Receiver					
TUBES (Five)	Types 12BE6 Conv., 12BA6 IF Amp., 12AV6 or 12AT6 Det. -AVC-AF Amp., 50C5 Audio Output, 35W4 Rectifier					
POWER SUPPLY	110-120 Volts AC/DC		RATING .260 Amp. @ 117 Volts AC			
TUNING RANGE—BROADCAST	535-1630 KC					
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
Use isolation transformer, if available. If not, connect a .1MFD capacitor in series with low side of signal generator and B-. Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.1MFD	High side to stator plates of rear section of tuning gang. Low side to B-.	455 KC (400% mod.)	Tuning gang fully open	Across voice coil	A1, A2, A3, A4	Adjust for maximum output. If isolation transformer is not used, reduce dummy antenna to .001MFD to reduce hum modulation.
"	"	1625 KC	"	"	A5	"
Loop	Loop	1400 KC	Tune in 1400 KC signal	"	A6	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.

HOWARD W. SAMs & CO., INC. • Indianapolis 5, Indiana

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DATE 7-52

SET 174

FOLDER 5

CORONADO MODELS
15RA33-43-8245A, 15RA33-43-8246A

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

CORONADO
 MODEL 15RA33-43-8245A

ITEM No.	USE	REPLACEMENT DATA		RMA BASE TYPE	INSTALLATION NOTES
		Coronado PART No.	STANDARD REPLACEMENT		
V1	Converter	12BE6	12BE6	7CH	
V2	IF Amplifier	12BA6	12BA6	7BK	
V3A	Det.-AVC-AF Amp.	12AV6	12AV6	7BT	
V3B	Det.-AVC-AF Amp.	12AT6	12AT6	7BT	
V4	Audio Output	50C5	50C5	7CV	
V5	Rectifier	35W4	35W4	5BQ	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING CAP. VOLT	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		Coronado PART No.	AEROVOX PART No.	CORNEILL DUBILIER PART No.	SPRAGUE PART No.	
C1A	40 150	C10-20-L-5	PR8150/40-20	BDL4215	TVA-2438	Red-Filter
C2	20 100	C652	P288-05	PJ288	ZTM-55	Blue-Filter
C2B	20 100	C652	P688-02	PT683	CTM-52	AVC Filter
C4A	100 500	C4CR1	SI100	TM5T1	4100C1	Osc. Grid Cap.
C4B	100 500	C4CR1	SI100	TM5T1	4100C1	Diode RF Filter
C5	100 500	C0086	P688-005	PT685	OTM-D5	Audio Coupling
C5B	250 500	C0086	Y488-00025	PT685	OTM-D5	AF Amp. Plate
C6	250 500	C0086	P688-005	PT685	OTM-D5	Audio Coupling
C6B	250 500	C0086	P688-005	PT685	OTM-D5	Output Plate
C7	.005 400	C0854	P488-05	PT485	OTM-S5	Line Filter
C8	.005 400	C0854	P488-05	PT485	OTM-S5	Line Filter
C9	.1 400	C12	P488-1	PT481	OTM-P1	Line Isolation

* Items C4A, C4B, R4 are combined in one unit.

CONTROLS

ITEM No.	RATING RESIST. WATTS ANCE	REPLACEMENT DATA				INSTALLATION NOTES
		Coronado PART No.	IRC PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	
R1A	1Meg	VR787G	Q13-137	AG-93-Z	BSK-70-S	Volume Control
R1B	Shaft	Not Req.	Not Req.	K85-3	Not Req.	Attach to R1A per instructions
R1C	Switch	Not Req.	70-1	SWB	Not Req.	Attach to R1A per instructions

RESISTORS

ITEM No.	RATING RESISTANCE WATTS	REPLACEMENT DATA		IDENTIFICATION CODES
		Coronado PART No.	IRC PART No.	
R2	22KΩ	R223.5	BTS-22K	Oscillator Grid
R3	300Ω	R391.5	BTS-390	IF Cathode
R4	47KΩ	*CR1	BTS-47K	Diode Filter
R5	1Meg	R105.5	BTS-1Meg	AVC Network
R6	10Meg	R106.5	BTS-10Meg	AF Grid
R7	470KΩ	R474.5	BTS-470K	AF Plate
R8	470KΩ	R474.5	BTS-470K	Output Grid
R9	120Ω	R121.5	BTS-120	Output Cathode
R10	10KΩ	R1032	BTB-10K	Bias Network
R11	1000Ω	R1021	BTB-1000	Filter

* Items C4A, C4B and R4 are combined in one unit.

PARTS LIST AND DESCRIPTIONS (Continued)
 TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING IMPEDANCE PRI. SEC.	DC RES. PRI. SEC.	REPLACEMENT DATA				INSTALLATION NOTES
			Coronado PART No.	STANCOR PART No.	MERIT PART No.	CHICAGO PART No.	
T1	2.3K 3.2Ω	155Ω	.40 Part of SPKT-67	A-3332 ①	A-3025 ①	RO-2 ①	① Bend mtg tabs down, file out slots and mount on original bracket.

SPEAKER

ITEM No.	RATINGS FIELD RES. V. C. IMP. P.M.	REPLACEMENT DATA				NOTES
		Coronado PART No.	JENSEN PART No.	QUAM PART No.		
SPIA	3.2Ω	SPKT-67	ST-113 Mod. P-4X ①	4A07 ①		① Fabricate new mtg. bracket.
SPIB	4" 4" V. C. DIA. 7/16"					

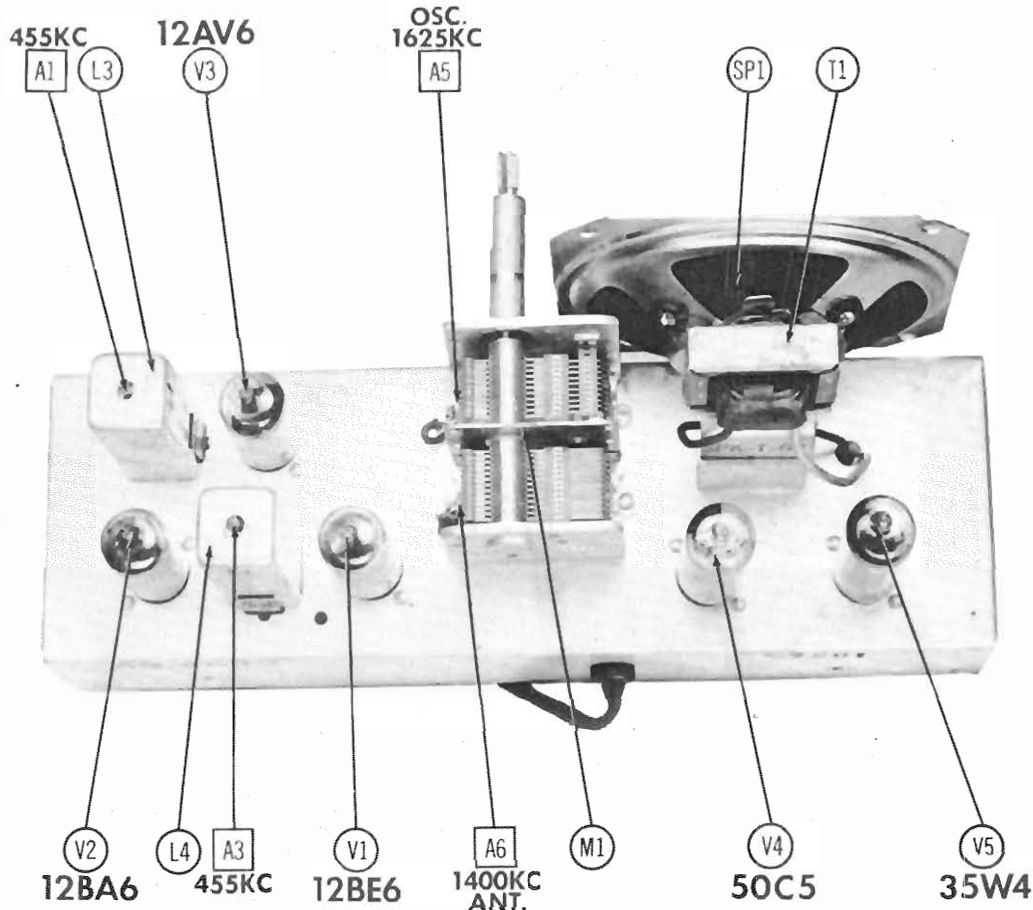
COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			NOTES
		DC RES. PRI. SEC.	Coronado PART No.	MERIT PART No.	
L1	Loop Ant.	.2Ω	LAT18A		
L2	Osc. Coil	4.4Ω	LOT181	BC-352	Tap @ .5Ω
L3	Input IF	18Ω	T111-31-A	BC-353	
L4	Output IF	18Ω	T111-31-A		

MISCELLANEOUS

ITEM No.	PART NAME	Coronado PART No.	NOTES
M1	2 gang var. cap. Cabinet	VCT68 P-180UR Cabinet	(32-438MMF, 39-238MMF)
	Dial Pointer	P-1801IG M1807	Red Ivory-Green Dial
	Knob	P-1704AR	Pointer-Red
	Knob	P-1704AI	Pointer-Ivory
	Knob	P-1704R	Round-Red
	Knob	P-1704I	Round-Ivory

CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW

