

360-8

PHOTOFACT* Folder



SONORA
MODELS 568, 585

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MODEL 568

TRADE NAME	Sonora Models 568, 585					
MANUFACTURER	Sonora Radio & Tel. Corp., 325 N. Hoyne Ave., Chicago, Ill.					
TYPE SET	AC-DC Operated AM Receiver					
TUBES (Six)	Types 12BE6 Converter, 12BA6 IF Amplifier, 12AV6 Det.-AVC-AF Amp., 12AV6 Phase Inverter, (2) 35W4 Rectifier					
POWER SUPPLY	110-120 Volts AC-DC		RATING .38 Amp. @ 117 Volts AC (37 Watts)			
TUNING RANGE—BROADCAST	535-1620KC					
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
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.						
Loop should be maintained in same relative position to chassis as when the receiver is in cabinet.						
Use isolation transformer, if available. If not, connect a .1MFD capacitor in series with low side of signal generator and B-.						
To set pointer, turn tuning capacitor fully closed and set pointer to last reference mark at low frequency end of dial.						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.01MFD	High side to pin 7 (grid) of 12BE6 (V1). Low side to B-.	455KC (400vMod)	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.
	Loop	1620KC	"	"	A5	Fashion loop of several turns of wire and radiate signal into loop of receiver. Adjust for maximum output.
	"	1400KC	Tune to 1400KC signal	"	A6	"

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

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PARTS LIST AND DESCRIPTIONS
 TUBES (GENERAL ELECTRIC, SYLVANIA)

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ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	Converter	12BE6		V4	Phase Inverter	12AV6	
V2	IF Amplifier	12BA6		V5	Output	35C5	
V3	Det.-AVC-AF Amp.	12AV6		V6	Output	35C5	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		SONORA PART No.	REPLACEMENT DATA				
	CAP.	VOLT.		AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	60	150		PRPS150V80	FBRT42215	TCCT3114	TDLT-6	R2406 *
C2	20	150			BR3015	TC49	TD-30-150	FM-1530
C3	50	150						

* Non-catalog item.

FIXED CAPACITORS

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

ITEM No.	RATING		SONORA PART No.	REPLACEMENT DATA					NOTES
	CAP.	VOLT.		AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	
C2	.047	200		BPD-05	DF-503	CUB2S47	GP-250	GEM-4147	2TM-547
C3	250			SI 250	D6-251	LT6T25	UC-5825	UC-5825	5GA-T25
C4	.022	400		BPD-02	DD-203	CUB4S22	ED-02	GEM-4122	4TM-522
C5	.047	200		BPD-05	DF-503	CUB2S47	GP-100	GEM-4147	2TM-547
C6	100			SI 100	D6-101	LT6T1	UC-581	UC-581	5GA-T1
C7	.0033	600		BPD-0033	D6-332	CUB6D33	GP-3300	GEM-6233	6TM-D33
C8	.047	200		BPD-05	DF-503	CUB2S47	GP-1000	GEM-4147	4TM-547
C9	.08	200		BPD-02	DD-203	CUB4S22	ED-02	GEM-4122	4TM-522
C10	.022	400		BPD-02	DD-203	CUB4S22	ED-02	GEM-4122	4TM-522
C11	.022	400		BPD-02	DD-203	CUB4S1	GP-1000	GEM-411	4TM-S1
C12	.01	400		BPD-01	DD-103	CUB4S1	GP-1000	GEM-411	4TM-S1
C13	.01	400		BPD-05	DF-503	CUB4S47	GP-1000	GEM-4147	4TM-547
C14	.047	400		BPD-05	DF-503	CUB4S47	GP-1000	GEM-4147	4TM-547
C15	.047	200		BPD-05	DF-503	CUB4S47	GP-1000	GEM-4147	4TM-547

CONTROLS

ITEM No.	RATING		SONORA PART No.	REPLACEMENT DATA			INSTALLATION NOTES
	RESISTANCE	WATTS		CENTRALAB PART No.	CLAROSTAT PART No.	IRC PART No.	
R1A	1Meg					UF16A	Tone Volume-tap @ 100K
R1B	500K					UF55-T154	
C Switch						US-26	

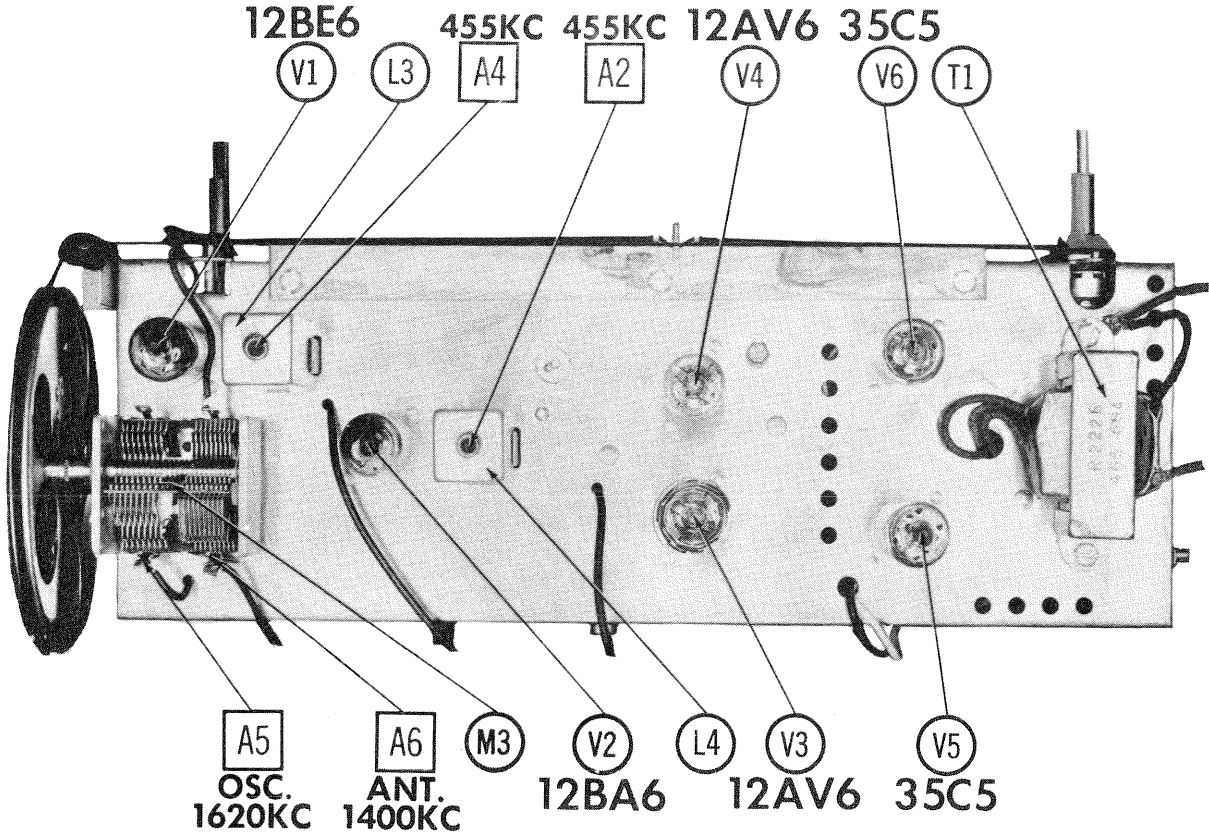
* Concentrikrit Equivalent: K-6-Kit, Base Elements And Shafts R13-137 P17-103 (Panel) R13-133X, RL-116 (Rear) 76-1(Switch)

RESISTORS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING		SONORA PART No.	REPLACEMENT DATA			NOTES
	OHMS	WATT		SONORA PART No.	IRC PART No.	ITEM No.	
R2	22K					R10	270K
R3	1Meg			BTS-22K		R11	470K
R4	1Meg			BTS-1Meg		R12	12K
R5	180Ω			BTS-180		R13	470K
R6	22K			BTS-22K		R14	100Ω
R7	6.8Meg			BTS-6.8Meg		R15	820Ω
R8	270K			BTS-270K		R16	820Ω
R9	6.8Meg			BTS-6.8Meg		R17	22Ω

CHASSIS—TOP VIEW



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

ITEM No.	IMPEDANCE	REPLACEMENT DATA				NOTES
		SONORA PART No.	Heildorson PART No.	Merit PART No.	Stancor PART No.	
T1	4000Ω 1.8Ω CT	R-2226	Z1007	A-2901	A-3823	24S61 S-53X

SPEAKER

ITEM No.	TYPE		REPLACEMENT DATA		NOTES
	SIZE	FIELD	SONORA PART No.	QUAM PART No.	
SP1	4"	PM	3-4Ω	R-2222	4A07
SP2	5"	PM	3-4Ω	R-2223	5A1

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		SONORA PART No.	MEISSNER PART No.	MERIT PART No.	MILLER PART No.	
L1	Loop Antenna	R-1777				Includes cabinet back
L2	Osc. Coil	R-1237	16-8758	BC-352	12-C1	
L3	Input IF		16-8758	BC-353	12-C2	
L4	Output IF					

COMPONENT COMBINATIONS

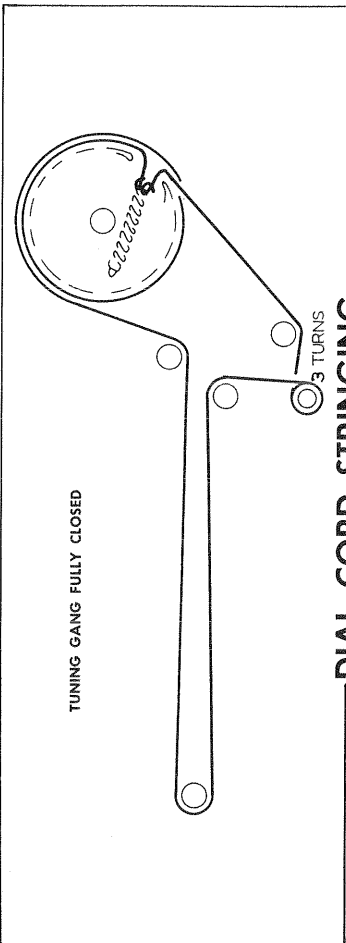
ITEM No.	USE	DESCRIPTION	SONORA PART No.	REPLACEMENT DATA
K1	Diode RF Filter	50MMF, 50MMF, 47K		Aerovox Centratub Cornell-Dubilier Sprague

SELENIUM RECTIFIER

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	CURRENT	SONORA PART No.	FEDERAL PART No.	MALLORY PART No.	SARVES PART No.	
M1	.100A	R-2224	1004A	RS100	6S150	5M1 100

MISCELLANEOUS

ITEM No.	PART NAME	SONORA PART No.	NOTES
M2	Pilot Light		115V, 7 Watt
M3	Tuning Cap.	R-2229	Two Gang (14-260MMF, 17-120MMF)
M4	Switch		Radio-Phono, Slide Type (DPDT)



DIAL CORD STRINGING

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CHASSIS—BOTTOM VIEW

