

THE COOPERATION OF THE MANUFACTURER OF THIS
RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

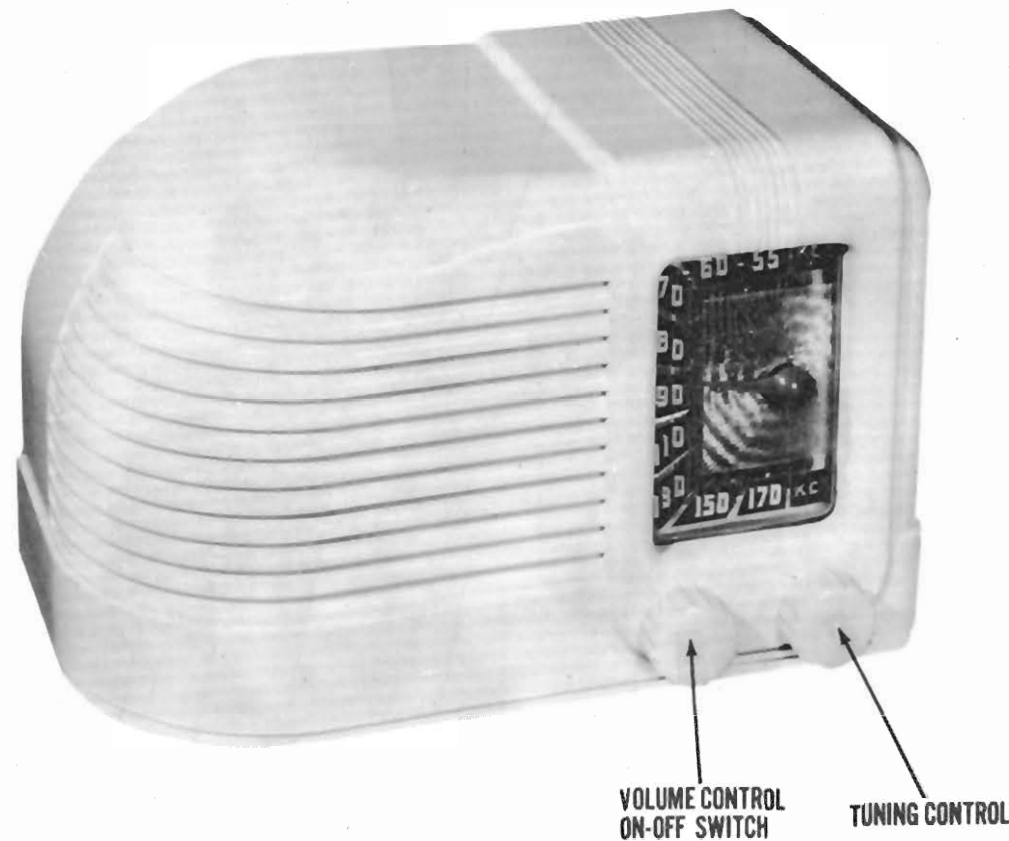
A PHOTOFACT STANDARD NOTATION SCHEMATIC
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4815-6

The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages are at 1000 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 10% in voltage and resistance readings.
6. Volume control at maximum, no load applied for voltage measurements.

**CONCORD MODELS
1-402, 1-403**



CONCORD MODEL 1-403

TRADE NAME		Concord, Model 1-402, 1-403				
SUPPLIER		Concord Radio Corp., 901-11 W. Jackson Blvd., Chicago 7, Ill.				
TYPE SET		AC-DC Operated Superheterodyne Receiver with Loop Antenna				
TUBES (FOUR)		Types, 12SA7GT Converter, 12SQ7GT Det.-AVC-AF, 50L6GT Power Output, 35Z5GT Rectifier				
POWER SUPPLY		110-120 Volts AC-DC				
TUNING RANGE—BROADCAST		540-1710KC		RATING		.25 Amp. @ 117 Volts AC
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
Use isolation transformer if available. If not connect .1 MFD capacitor in series with low side of signal generator and chassis.						
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
.1 MFD.	High side to Pin 8 (grid) of 12SA7. Low side to chassis.	455KC	Tuning cap. fully open.	Across voice coil	A1, A2, A3, A4.	Adjust for maximum output. If isolation transformer is not used reduce dummy ant. to .001 MFD. to reduce hum modulation.
200 MMFD	High side to ext. ant. lead. Low side to chassis.	1400KC	1400KC	"	A3	Adjust for maximum output.
200 MMFD	"	"	Tune for maximum output.	"	A4	" " " "

HOWARD W. SAMS & CO., INC.

"The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed."

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Indianapolis Indiana

DATE 9/48-#4815-6 SET #45-FOLDER #6

CONCORD MODELS
1-402, 1-403

CONCORD MODELS 1-402, 1-403

PHOTOFACT* Folder

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

CONCORD MODELS
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ITEM No.	USE	CONCORD PART No.	STANDARD REPLACEMENT	BMA BASE TYPE	INSTALLATION NOTES
1	Converter	128A70T	128A70T	9AD	
2	Det.-AVC-AF	128Q70T	128Q70T	9Q	
3	Power Output	50L60T	50L60T	7AC	
4	Rectifier	35Z50T	35Z50T	9AD	

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	REPLACEMENT DATA				IDENTIFICATION CODES AND INSTALLATION NOTES
		CONCORD PART No.	AEROVOX PART No.	CORNBELL DUBILIER PART No.	SOLAR PART No.	
5A	50 CAP.	FRS1160/50-50	E255315	E255315	DSB-2X50-150	7A-505 Filter
B	50 150					
6	50 400	484-05	D7459	D7459	YFH-4-05	TC-15 Line Filter
7	50 400	484-05	D7606	D7606	ST-6-006	TC-26 Output Plate Bypass
8	50 400	484-05	D7606	D7606	ST-6-006	TC-28 Audio Coupling
9	50 400	484-01	D7481	D7481	ST-4-01	TC-11 AVC Filter
10	50 400	484-05	D7485	D7485	ST-4-05	TC-11 AVC Filter
11	50 200	484-1	D74P1	D74P1	72P2	Ant. Isolation
12	50 200	1468-.0005	8A575	8A575	MO-S-35	AF Plate Bypass
13	220 500	1468-.0002	8A572	8A572	MO-S-32	Diode RF Filter

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		CONCORD PART No.	IRC PART No.	CLAROSTAT PART No.		
14A	1 Meg. 1/2 W.	D13-137	A7-S3-2		Volume Control	
B	500 Ohm 1/2 W.	41	K33-3		Attach to 14A per instructions	
C	500 Ohm 1/2 W.		8A-A			

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA				IDENTIFICATION CODES
		CONCORD PART No.	IRC PART No.			
15	500 Ohm 1/2 W.		B7S-8200		Gray-Red-Red Oscillator Grid	
16	3 1/2 W. 150 Ohm		B7S-3.3 1/2 W.		Gr.-Blk.-Grn. AVC Network	
17	15 1/2 W. 150 Ohm		B7S-15 1/2 W.		Gr.-Blk.-Blk. AF Grid	
18	220 Ohm 1/2 W.		B7S-220K		Red-Red-Blk. AF Plate Load	
19	500 Ohm 1/2 W.		B7S-500K		Grn.-Red-Blk. AF Plate Load	
20	1200 Ohm 1/2 W.		B7S-1200K		Grn.-Red-Blk. AF Plate Load	
21	150 Ohm 1/2 W.		B7S-150		Gr.-Red-Red-Blk. Line Dropper	
22	718 Ohm 1/2 W.		B7S-718		Gr.-Red-Red-Blk. Line Dropper	

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		CONCORD PART No.	STANCOR PART No.	THORDARN PART No.	MERIT PART No.	
23	13000 VA 8-250 13000 VA 8-250 13000 VA 8-250	21225	A-3565	T22815	A-29287	Insert mounting tabs down, file out slots and mount on original bracket.

PARTS LIST AND DESCRIPTIONS (Continued)

SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA				INSTALLATION NOTES
		CONCORD PART No.	JENSEN PART No.	QUAM PART No.		
24	FIELD VC 1/2 W.		ST-105	SA15		
25	8 Ohm 1/2 W. DIA. 4-3/4"		Mod. PS-X			

R F COILS

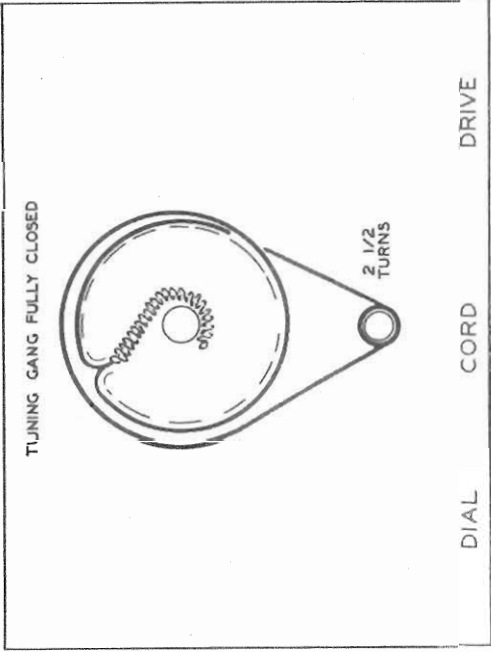
ITEM No.	USE	REPLACEMENT DATA				INSTALLATION NOTES
		CONCORD PART No.	DC RES. PART No.	MEISSNER PART No.		
26	Ant. Coil	38-72	4.15	14-1056		
27	Osc. Coil	6.82	6.82	14-1060		
28	IF Trans.	24.58	24.58	18-6660		1 Add 50 MFD from high side of tuning cap. to oscillator grid.

DIAL LIGHT

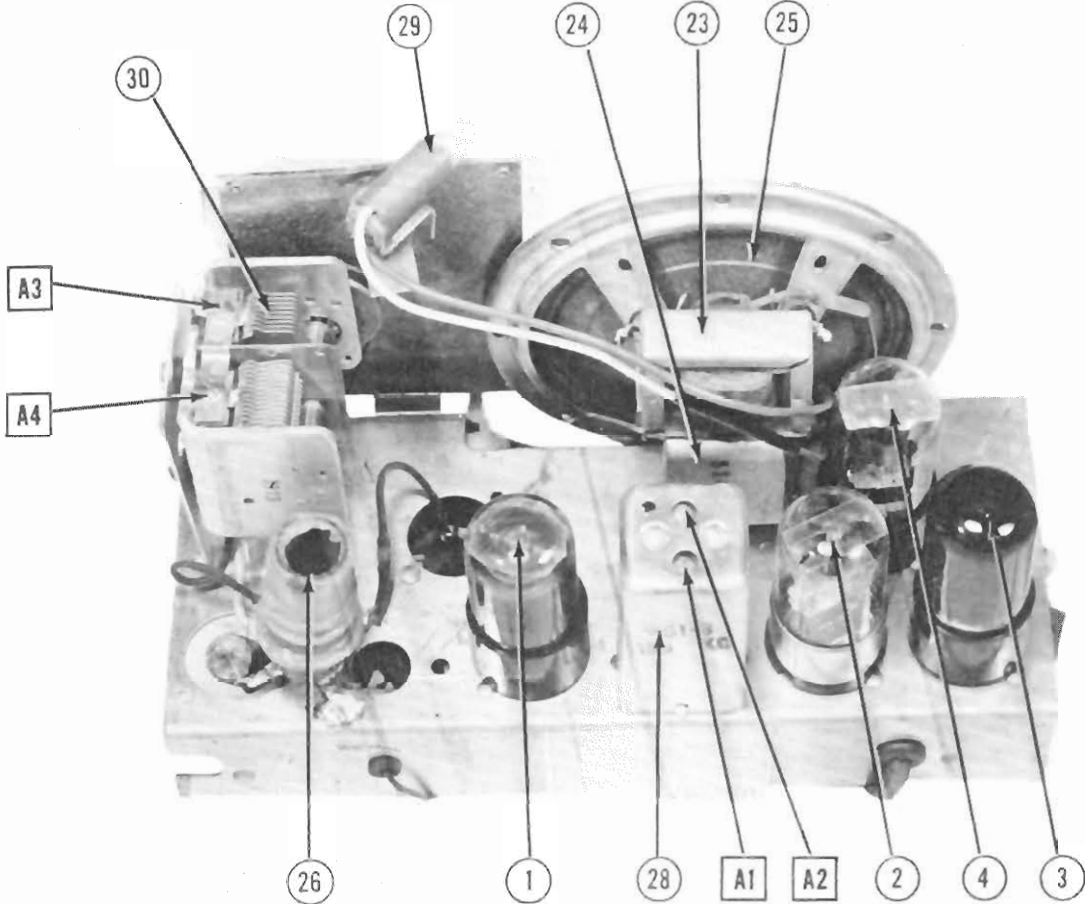
ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				BEAD COLOR	CONCORD PART No.	
29	Bayonet	6-8	0.15	Brown		Type 47

MISCELLANEOUS

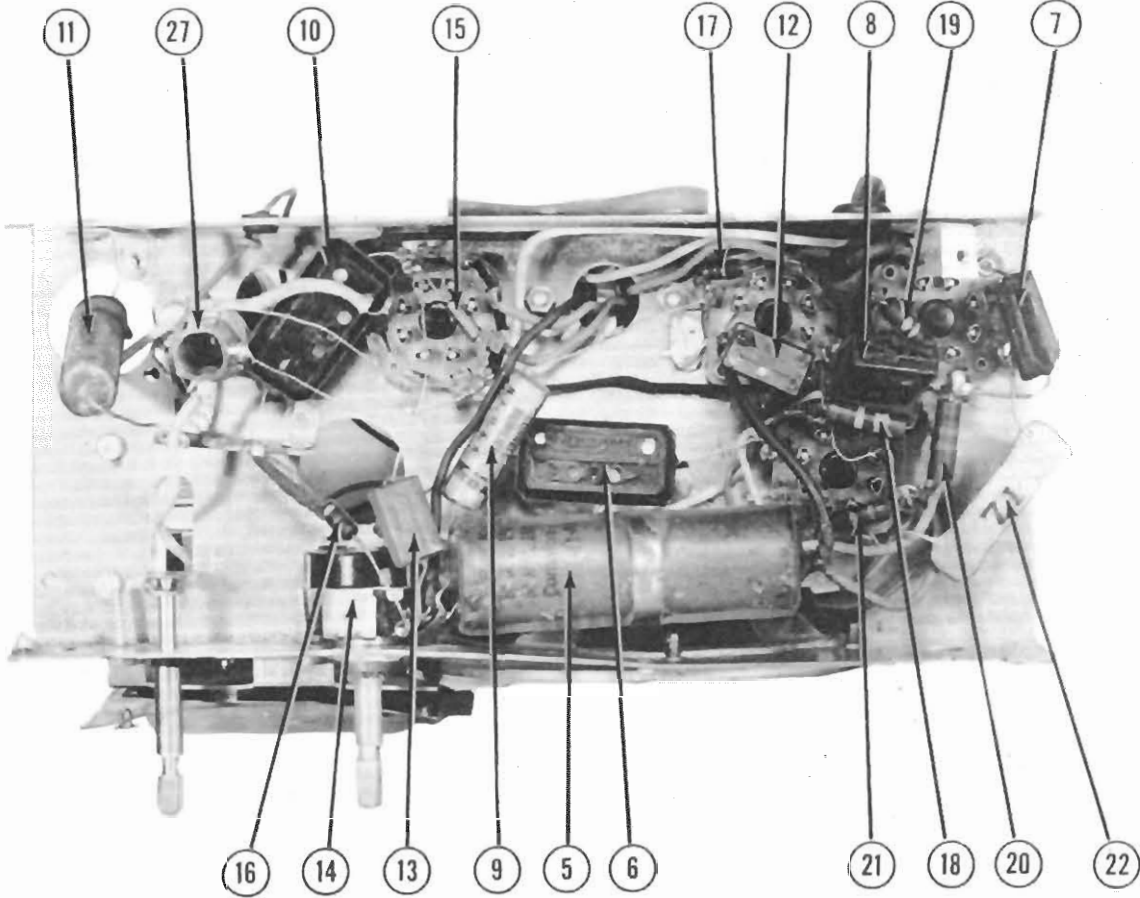
ITEM No.	PART NAME	CONCORD PART No.	NOTES
30	2 Gang Var. Cap.	(50-48500, 35-10000)	



CHASSIS—TOP VIEW



CHASSIS—BOTTOM VIEW



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