

CONCORD MODELS
315WL, 315WM

TRADE NAME Concord, Models 315WL, 315WM
SUPPLIER Concord Radio Corp., 901 W. Jackson Blvd., Chicago 7, Ill.
TYPE SET AC Operated 3 Channel Audio Amplifier
TUBES (SEVEN) Types, 6SJ7 Mic. 1 Amp., 6SJ7 Mic. 2 Amp., 6SJ7 Mixer, 6SJ7 Driver, (2) 6V6GT
Power Output, 5Z4 or 6X5GT Rectifier
POWER SUPPLY 110-120 Volts AC RATING .58 Amp. @ 117 Volts AC

VOLTAGE READINGS									
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SJ7	0V.	3VAC	.8VDC	0V.	.8VDC	20VDC	3VAC	40VDC
2	6SJ7	0V.	3VAC	.8VDC	0V.	.8VDC	20VDC	3VAC	25VDC
3	6SJ7	0V.	3VAC	1.6VDC	0V.	1.6VDC	35VDC	3VAC	75VDC
4	6SJ7	0V.	3VAC	250VDC	0V.	12VDC	250VDC	3VAC	250VDC
5	6V6GT	0V.	3VAC	390VDC	310VDC	0V.	0V.	3VAC	22VDC
6	6V6GT	0V.	3VAC	390VDC	310VDC	0V.	0V.	3VAC	22VDC
7	5Z4	0V.	400VDC	0V.	350VAC	0V.	350VAC	400VDC	400VDC

RESISTANCE READINGS									
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SJ7	0Ω	.05Ω	2KΩ	1 Meg.	2KΩ	2.2 Meg.	.05Ω	700KΩ
2	6SJ7	0Ω	.05Ω	2KΩ	1 Meg.	2KΩ	2.2 Meg.	.05Ω	700KΩ
3	6SJ7	0Ω	.05Ω	3.3KΩ	1.2 Meg.	3.3KΩ	2.2 Meg.	.05Ω	800KΩ
4	6SJ7	0Ω	.05Ω	110KΩ	120KΩ	2.7KΩ	110KΩ	.05Ω	110KΩ
5	6V6GT	0Ω	.05Ω	80KΩ	85KΩ	750Ω	INF.	.05Ω	340Ω
6	6V6GT	0Ω	.05Ω	80KΩ	85KΩ	750Ω	INF.	.05Ω	340Ω
7	5Z4	INF.	80KΩ	INF.	180Ω	INF.	190Ω	80KΩ	80KΩ

RESISTANCE READINGS IN THE B+ CIRCUITS MAY VARY WIDELY
ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

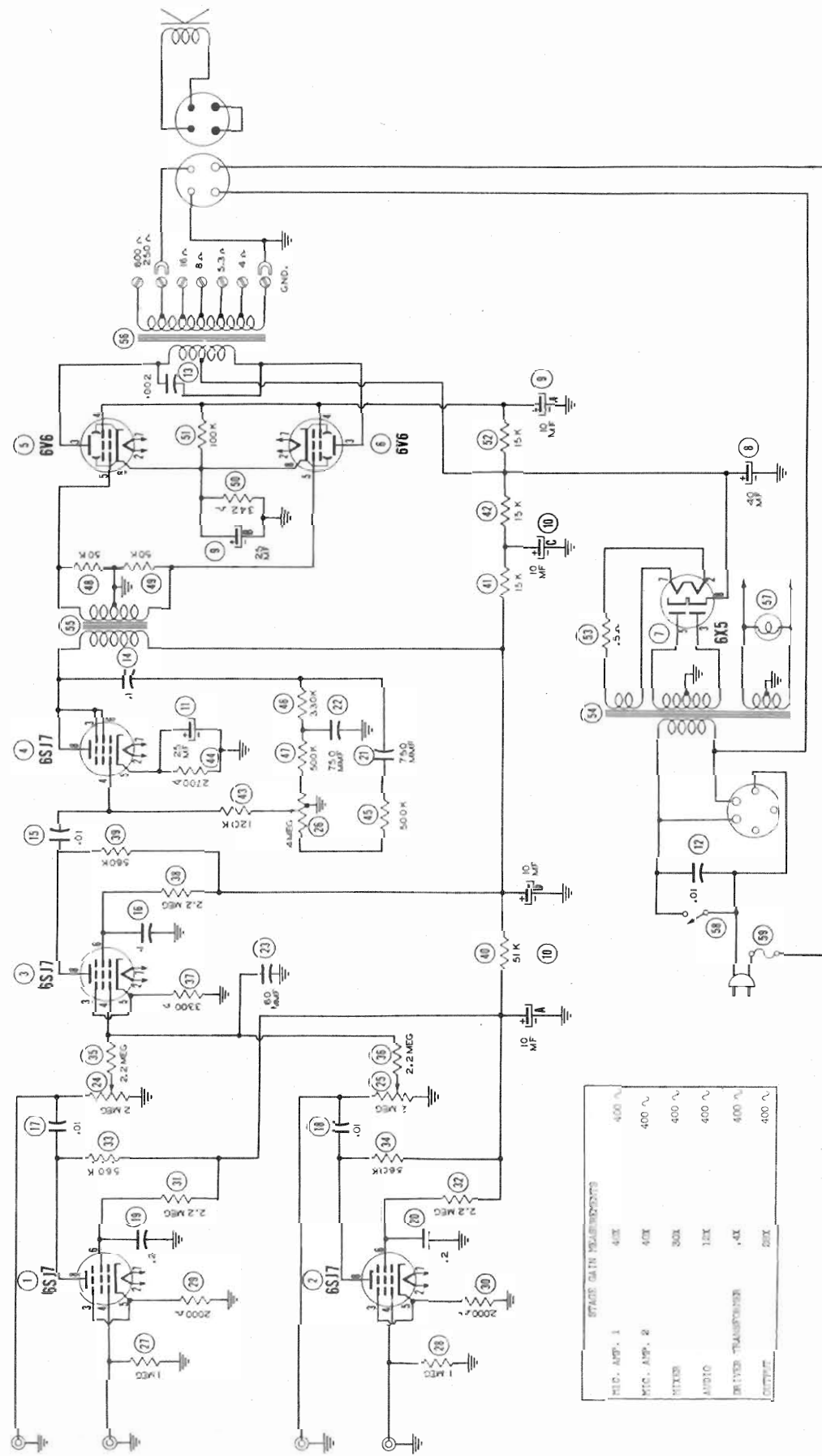
- 1 - DC Voltage measurements are at 20,000 ohms per volt;
AC Voltages measured at 1000 ohms per volt.
- 2 - Socket connections are shown as bottom views.
- 3 - Measured values are from socket pin to common negative.
- 4 - Line voltage maintained at 117 volts for voltage readings.
- 5 - Nominal tolerance on component values makes possible a variation of ± 15% in voltage and resistance readings.
- 6 - All controls at minimum, proper output load connected.

HOWARD W. SAMS & CO., INC. • Indianapolis Indiana

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CONCORD MODELS
315WL, 315WM



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

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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PARTS LIST AND DESCRIPTIONS
TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA			RMA BASE TYPE	INSTALLATION NOTES
		CONCORD PART No.	STANDARD REPLACEMENT			
1	Mic. 1 Asp.	68J7	68J7	8N		
2	Mic. 2 Asp.	68J7	68J7	8N		
3	Mixer	68J7	68J7	8N		
4	Driver	68J7	68J7	8N		
5	Power Output	6V6GT	6V6GT	7AC		
6	Rectifier	5Z4	5Z4	5C		
7A		6X5GT	6X5GT	6S		

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.	CORNELL-DUBILIER PART No.	SOLAR PART No.	
8	40 CAP. 450	AF8J	UP4045	DP40-450	EL-4	Filter
9A	10 450	AF2J	UP1045	DP10-450	EL-1	
10A	25 50	AF85G/25	PR85G/25	GR205	25-15	Cathode Bypass
10B	10 450	AF222J	UP222J	UP11145	EL-25	Decoupling
11	25 .25		M-25-25		TA-25	
12	.01 400		484-01		TC-11	Cathode Bypass
13	.002 800		1684-002		TR-22	Power Switch Bypass
14	.01 400		484-1		TC-22	Output Plate Bypass
15	.01 400		484-01		TC-11	Tone Compensation
16	.01 400		484-01		TC-11	Audio Coupling
17	.01 400		484-01		TC-11	AF Screen Bypass
18	.01 400		484-01		TC-11	Audio Coupling
19	.2 200		484-2		TC-2	
20	.2 200		484-2		TC-2	AF #1 Screen Bypass
21	750 500		1469-00075		LFN-37	AF #2 Screen Bypass
22	750 500		1469-00075		LFN-37	Tone Compensation
23	50 300		1469-00035		TS-46	AF Grid Bypass-Cer.

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		CONCORD PART No.	IRC PART No.	CLAROSTAT PART No.	
24A	2 Meg. 1		D13-139	M-66-2	Channel 1 Control
25A	2 Meg. 1		D13-139	M-66-2	Attach to 24A per Instructions
26	4 Meg. 1		D13-139	M-66-2	Channel 2 Control
27	4 Meg. 1		D13-139	M-66-2	Attach to 25A per Instructions
28	4 Meg. 1		D13-139	M-66-2	Tone Control tapped @ 1.5 Meg.

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		CONCORD PART No.	IRC PART No.	
29	1 Meg. 1		BTS-1	Br.-Blk.-Grn. 1st Mic. Amp. Grid
30	1 Meg. 1		BTS-2	Br.-Blk.-Grn. 2nd Mic. Amp. Grid
31	200K 1		BTS-200	Red-Blk.-Red 3rd Mic. Amp. Cathode
32	200K 1		BTS-200	Red-Blk.-Red 3rd Mic. Amp. Cathode
33	2.2 Meg. 1		BTS-2.2	Red-Blk.-Red 2nd Mic. Amp. Screen
34	2.2 Meg. 1		BTS-2.2	Red-Blk.-Red 2nd Mic. Amp. Screen
35	560K 1		BTS-560K	Grn.-Blk.-Yl. 2nd Mic. Amp. Plate Load
36	560K 1		BTS-560K	Grn.-Blk.-Yl. 2nd Mic. Amp. Plate Load
37	2.2 Meg. 1		BTS-2.2	Red-Blk.-Grn. Isolation
38	2.2 Meg. 1		BTS-2.2	Red-Blk.-Grn. Isolation
39	2.2 Meg. 1		BTS-2.2	Or.-Or.-Red. Mixer Cathode
40	2.2 Meg. 1		BTS-2.2	Red-Blk.-Grn. Mixer Cathode
41	2.2 Meg. 1		BTS-2.2	Red-Blk.-Grn. Mixer Screen
42	2.2 Meg. 1		BTS-2.2	Grn.-Blue-Yl. Mixer Plate Load

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		CONCORD PART No.	IRC PART No.	
43	15K 1		BTA-15K	Grn.-Br.-Or. Voltage Dropping
44	15K 1		BTA-15K	Br.-Grn.-Or.
45	15K 1		BTA-15K	Br.-Grn.-Or.
46	120K 1		BTS-120K	Br.-Red-Yl. Driver Grid
47	270K 1		BTS-270K	Red-Yl.-Red Driver Cathode
48	500K 1		BTS-500K	Grn.-Blk.-Yl. Tone Compensation
49	500K 1		BTS-500K	Or.-Or.-Yl.
50	500K 1		BTS-500K	Grn.-Blk.-Yl. Output Grid
51	500K 1		BTS-500K	Grn.-Blk.-Yl. Output Grid
52	100K 1		AB-100K	Br.-Blk.-Yl. Blister
53	15K 1		AB-15K	Filter
54	15K 1		AB-15K	Series Rect. Fil.-See Note

Note—Used only on models using 5Z4 Rectifier.

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA			MERIT PART No.
		CONCORD PART No.	CONCORD PART No.	STANCOR PART No.	
54	127V AC 100V CT 5.3V AC 5.3V CT 117V AC 0.07A @ 2.0A @ 2.15A @ 1.50A				

TRANSFORMER (DRIVER)

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		CONCORD PART No.	CONCORD PART No.	STANCOR PART No.	
55	2.77 to 1 2000 CT			A-4292	

TRANSFORMER (OUTPUT)

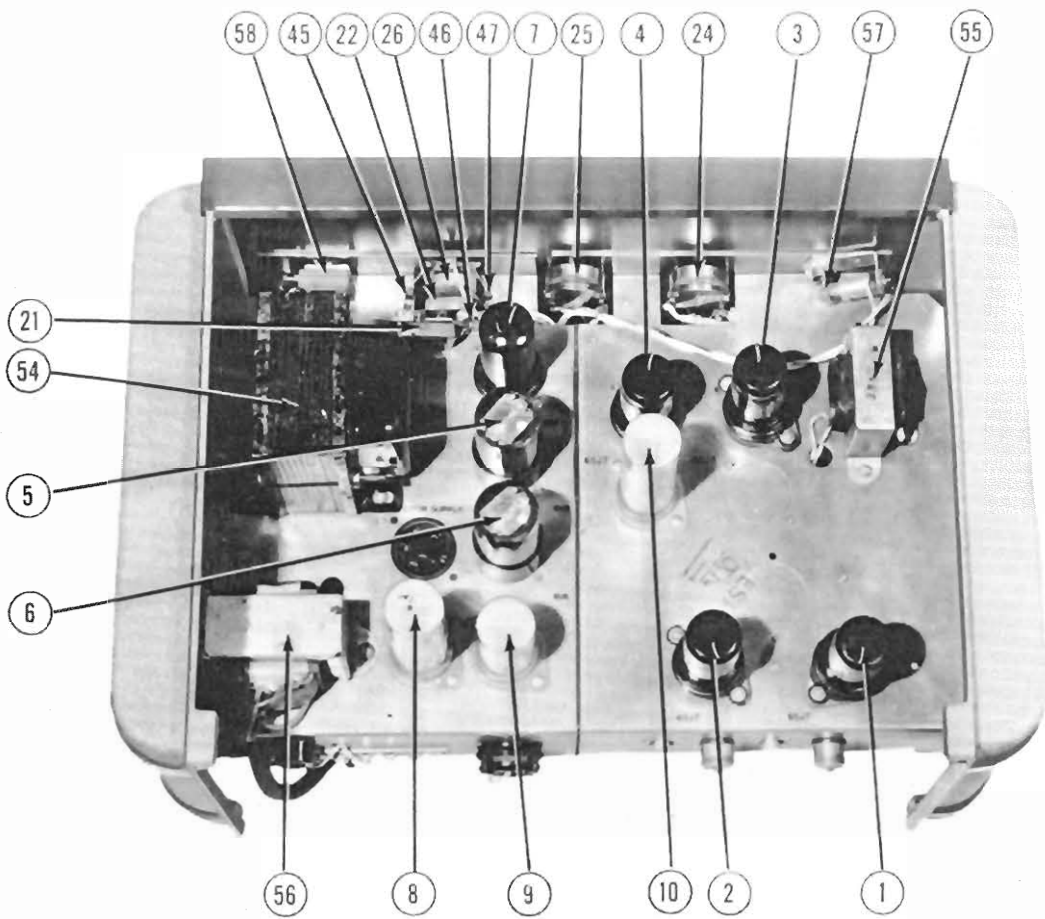
ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		CONCORD PART No.	CONCORD PART No.	STANCOR PART No.	
56	100K 1 CT 5.3V CT 160 160 150 250 5000			A-3007	

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				CONCORD PART No.	CONCORD PART No.	
57	Bayonet	9.5V	0.2	White	White	Type 51

MISCELLANEOUS

ITEM No.	PART NAME	CONCORD PART No.	NOTES
58	Switch		Power-On-Off
59	Fuse		2 Amp.



CHASSIS—BOTTOM VIEW

