

SEE PARTS LIST FOR ALTERNATE VALUE OR APPLICATION



ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6A8A	125K	TP	1.0	1.0	125K	150K	12000		
V2	12AV7	150K	470K	75000	1.0	1.0	153K	150K	43K	1.0
V3	6550	TP	1.0	1.4k	1130	40K	NC	1.0	3.3k	
V4	6550	TP	1.0	1520	1120	40K	NC	1.0	3.3k	
V5	5V46	NC	20K(Min)	NC	13k	NC	13k	NC	20K(Min)	
V6	5V46	NC	20K(Min)	NC	12k	NC	12k	NC	20K(Min)	

↑ MEASURED FROM PIN 8 OF V6
NC NO CONNECTION
TP TIE POINT

A PHOTOFACT STANDARD NOTATION SCHEMATIC

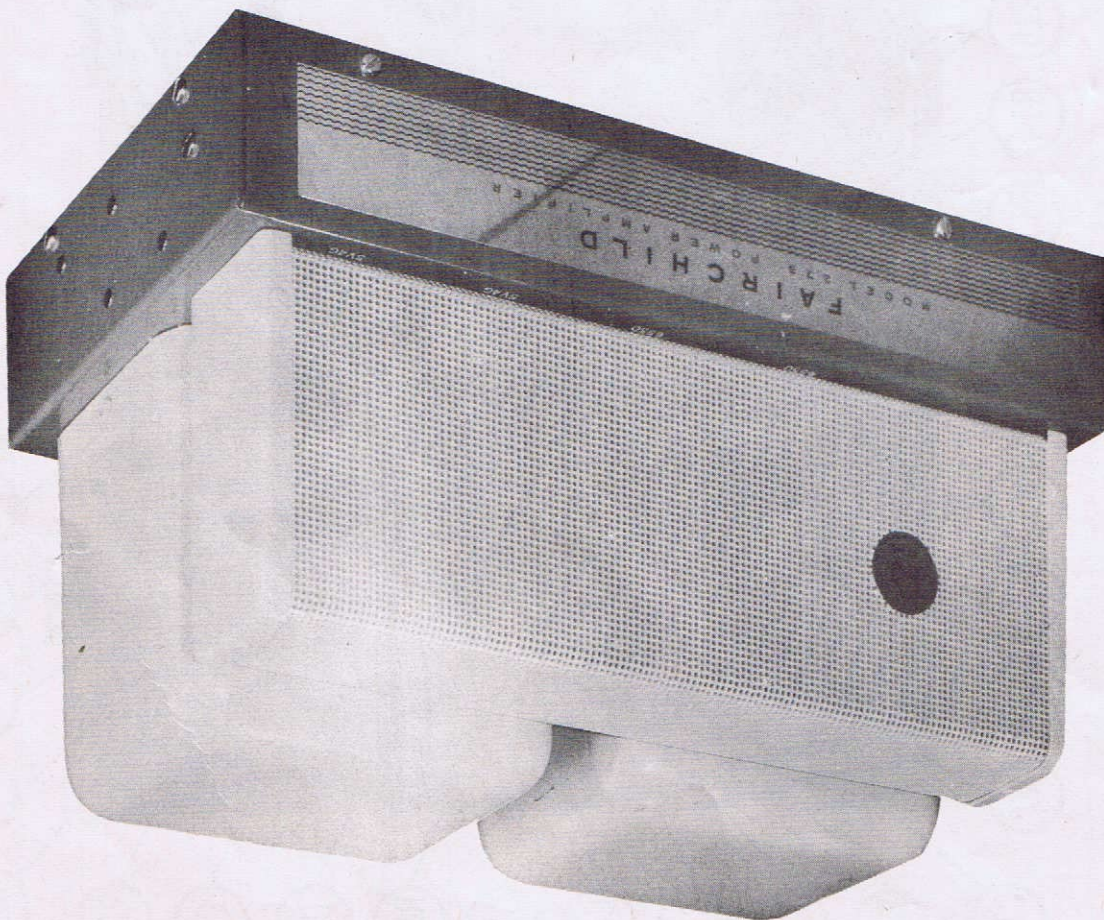
Howard W. Sams & Co., Inc. 1957

PHOTOFACT* Folder



FAIRCHILD
MODEL 275

FAIRCHILD
MODEL 275



FAIRCHILD
MODEL 275

TRADE NAME	Fairchild Model 275
MANUFACTURER	Fairchild Recording Equipment Co., 10-40 45th Ave., Long Island City 1, N. Y.
TYPE SET	AC Operated 65 Watt Audio Amplifier
TUBES (Six)	Types 6AB4 AF Amplifier, 12AV7 AF Amp. - Phase Inv., (2) 6550 Output, (2) 5V4G Rectifier
POWER SUPPLY	105-125 Volts AC - 50/60 Cycles RATING 1.1 Amp. @ 117 Volts AC (130 Watts)

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

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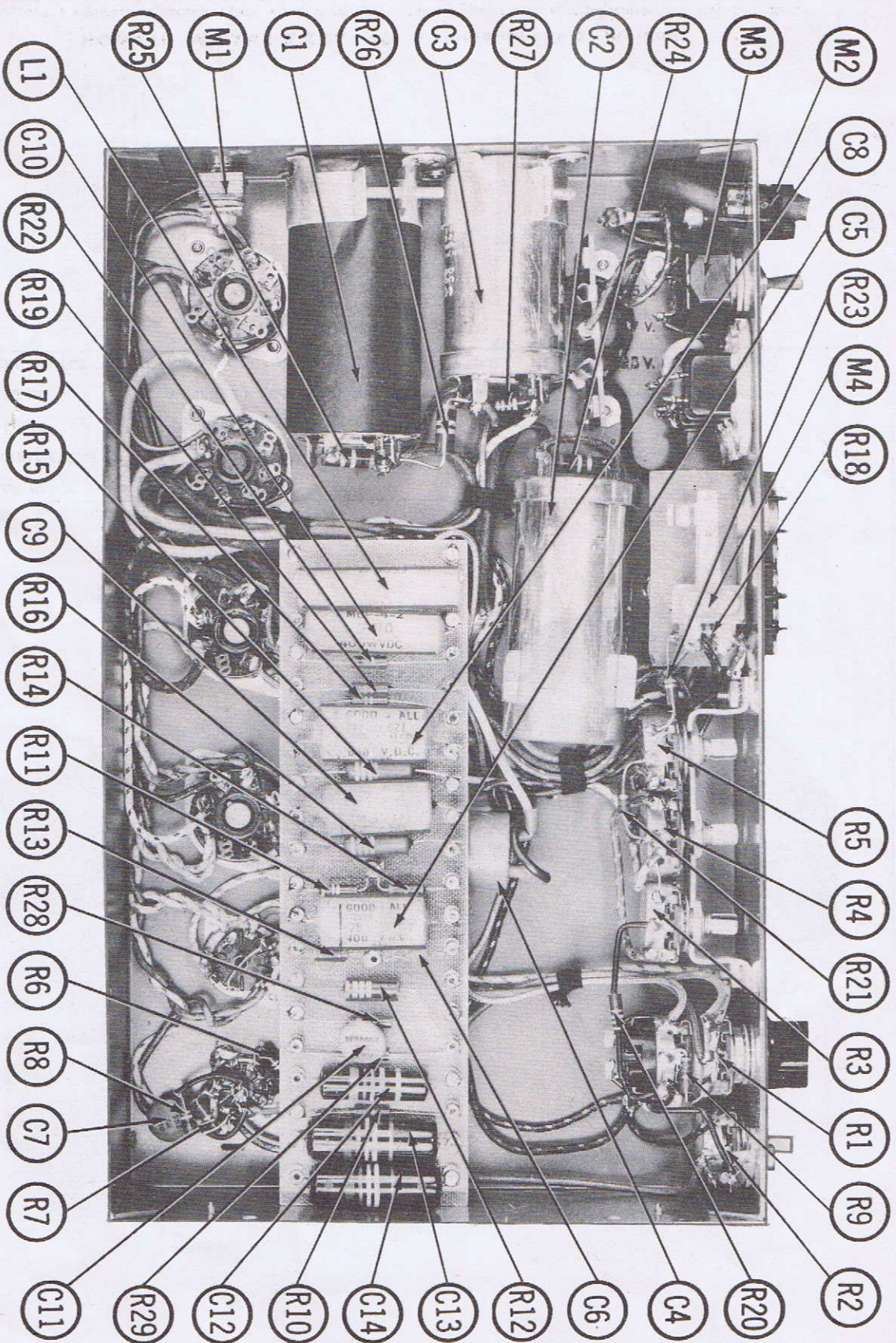
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SET 381

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FOLDER 8



CHASSIS BOTTOM VIEW

PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES	ITEM No.	USE	TYPE	NOTES
V1	AF Amplifier	6AB4		V4	Output	6B50	
V2	AF Amp. - Phase Inv.	12AV7		V5	Rectifier	5Y4G	
V3	Output	6B50		V6	Rectifier	5Y4G	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	FAIRCHILD PART No.	AEROVOX PART No.	CORNEILL DUBILIER PART No.	MALLOY PART No.	PYRAMO PART No.	SPRAGUE PART No.
C1	140 CAP. 350 VOLT	(Note 1)	AFH-43-20	XA0415	F2P247	TMS-62	TYL-1642
C2	140 CAP. 350 VOLT	(Note 2)	AFH-43-20	XA0415	F2P247	TMS-62	TYL-1642
C3A	4.40 CAP. 450 VOLT		AFH-57	B0450	F2P238	TMD-54	TYL-2764
C4A	4.40 CAP. 450 VOLT		PR8150V2040	BBRD4215	TCDA65	FMID-302	TVA-2438
B	20 CAP. 150 VOLT						

Note 1. Some versions may use 80MFD in this application.

Note 2. Not used in some versions.

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	FAIRCHILD PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNEILL DUBILIER PART No.	ERE PART No.	MALLOY PART No.	SPRAGUE PART No.	NOTES
C5	.25 CAP. 400 VOLT		PA88N-25	DD30-460	CUB4P25	HD15-68	GEM-4025	5GA-P25	①
C6	.68 CAP. 1000 VOLT		HYD-15-68	TC2-33	L10Q68	DC-30468	5GA-Q68	5TC-C-Q68	①
C7	.33 CAP. 600 VOLT		NFO-SI-33		CUB6P23	TCO-33	GEM-8025	6TWM-P25	① NP0
C8	.25 CAP. 600 VOLT		PA88N-25		CUB6P23		GEM-8025	6TWM-P25	
C9	.25 CAP. 600 VOLT		PA88N-25		CUB6P23		GEM-8025	6TWM-P25	
C10	.2 CAP. 400 VOLT		PA88N-22		CUB4P22		GEM-402	4TWM-P2	
C11	.330 CAP. 1000 VOLT		HYD-15-330	DD30-331	L10T33	HD15-331	DC-30333	5GA-T33	①
C12	.022 CAP. 400 VOLT		PA88N-022	DD-203	CUB4S22	ED-02	GEM-4122	4TWM-S22	①
C13	.022 CAP. 200 VOLT		PA88N-015	DF-104	CUB4S1	ED-01	GEM-4112	4TWM-S1	①
C14	.012 CAP. 200 VOLT		P288N-015	DF-104	CUB4S1	ED-01	GEM-4112	4TWM-S1	①

Note 1. Not used in some versions.

CONTROLS

ITEM No.	RATING	FAIRCHILD PART No.	CENTRALAB PART No.	CLAARSTAT PART No.	JRC PART No.	MALLOY PART No.	INSTALLATION NOTES
R1A	2000Ω RESISTANCE	A2206			Q11-180	U46	Damping
B	500Ω		AB-50		Q11-239	U255	Damping
C	Switch	BA211-1750	AK-1		Q11-239	U255	Damping
R2A	250Ω		AB-83		Q11-239	U255	Damping
B	2.25MΩ	BA211-1759	AK-1		Q11-239	U255	Damping
R3A	2.25MΩ		AB-83		Q11-239	U255	Damping
B	2.25MΩ	BA211-1757	AK-1		Q11-239	U255	Damping
R4A	50K		AB-31		Q11-239	U255	Damping
B	50K	BA211-1758	AK-1		Q11-239	U255	Damping
R5A	5000Ω		AB-10		Q11-239	U255	Damping
B	5000Ω	BA211-1758	AK-1		Q11-239	U255	Damping
Shalt					Q11-239	U255	Damping

PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

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

ITEM No.	RATING	FAIRCHILD PART No.	NOTES	ITEM No.	RATING	FAIRCHILD PART No.	NOTES
R6	150K OHMS 1/2 WATT		Note 1	R18	3.3K OHMS 1/2 WATT		Note 3
R7	100K OHMS 1/2 WATT		Note 2	R19	22K OHMS 1/2 WATT		Note 3
R8	22K OHMS 1/2 WATT		Note 3	R20	330K OHMS 1/2 WATT		Note 3
R9	1200Ω 5%			R21	8200Ω 5%		Note 3
R10	220Ω 5%			R22	10K OHMS 1/2 WATT		Note 3
R11	470K OHMS 1/2 WATT			R23	100K OHMS 1/2 WATT		Note 3
R12	30K OHMS 1/2 WATT		Note 3	R24	100K OHMS 1/2 WATT		Note 3
R13	30K OHMS 1/2 WATT		Note 3	R25	100K OHMS 1/2 WATT		Note 3
R14	7500Ω 5%		Note 4	R26	100K OHMS 1/2 WATT		Note 3
R15	43K OHMS 1/2 WATT		Note 4	R27	47K OHMS 1/2 WATT		Note 3
R16	22K OHMS 1/2 WATT		Note 4	R28	47K OHMS 1/2 WATT		Note 3
R17	22K OHMS 1/2 WATT		Note 4	R29	150K OHMS 1/2 WATT		Note 3

Note 1. Some versions may use 18K in this application.

Note 2. Some versions may use 270K in this application.

TRANSFORMER (POWER)

ITEM No.	RATING	FAIRCHILD PART No.	Holden Part No.	Merit Part No.	Stancor Part No.	Thorndor Part No.	Triod Part No.
T1	117VAC 740VCT ① .010A ② 4A ③ 4A ④ 4A ⑤ 4A ⑥ 4A ⑦ 4A ⑧ 4A ⑨ 4A ⑩ 4A ⑪ 4A ⑫ 4A ⑬ 4A ⑭ 4A ⑮ 4A ⑯ 4A ⑰ 4A ⑱ 4A ⑲ 4A ⑳ 4A ㉑ 4A ㉒ 4A ㉓ 4A ㉔ 4A ㉕ 4A ㉖ 4A ㉗ 4A ㉘ 4A ㉙ 4A ㉚ 4A ㉛ 4A ㉜ 4A ㉝ 4A ㉞ 4A ㉟ 4A ㊱ 4A ㊲ 4A ㊳ 4A ㊴ 4A ㊵ 4A ㊶ 4A ㊷ 4A ㊸ 4A ㊹ 4A ㊺ 4A ㊻ 4A ㊼ 4A ㊽ 4A ㊾ 4A ㊿ 4A						

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	FAIRCHILD PART No.	Holden Part No.	Merit Part No.	Stancor Part No.	Thorndor Part No.	Triod Part No.
T2	3600Ω 16R ① 80, 40 ② 80, 40 ③ 80, 40 ④ 80, 40 ⑤ 80, 40 ⑥ 80, 40 ⑦ 80, 40 ⑧ 80, 40 ⑨ 80, 40 ⑩ 80, 40 ⑪ 80, 40 ⑫ 80, 40 ⑬ 80, 40 ⑭ 80, 40 ⑮ 80, 40 ⑯ 80, 40 ⑰ 80, 40 ⑱ 80, 40 ⑲ 80, 40 ⑳ 80, 40 ㉑ 80, 40 ㉒ 80, 40 ㉓ 80, 40 ㉔ 80, 40 ㉕ 80, 40 ㉖ 80, 40 ㉗ 80, 40 ㉘ 80, 40 ㉙ 80, 40 ㉚ 80, 40 ㉛ 80, 40 ㉜ 80, 40 ㉝ 80, 40 ㉞ 80, 40 ㉟ 80, 40 ㊱ 80, 40 ㊲ 80, 40 ㊳ 80, 40 ㊴ 80, 40 ㊵ 80, 40 ㊶ 80, 40 ㊷ 80, 40 ㊸ 80, 40 ㊹ 80, 40 ㊺ 80, 40 ㊻ 80, 40 ㊼ 80, 40 ㊽ 80, 40 ㊾ 80, 40 ㊿ 80, 40						

COILS (RF-IF)

ITEM No.	USE	FAIRCHILD PART No.	MESSNER PART No.	MILLER PART No.	NOTES
L1	Damping Choke				Note 1

Note 1. .7 Microhenry, wound in series on .33μ 2W Resistor.

SELENIUM RECTIFIER

ITEM No.	RATING	FAIRCHILD PART No.	FEDERAL PART No.	SARRES PART No.	NOTES
M1	.004A CURRENT (Measured)		1159	RS050	

FUSES

ITEM No.	TYPE	RATING	FAIRCHILD PART No.	HOLDER	FUSE	HOLDER	FUSE	HOLDER	NOTES
M2	3AG	4A 125V S/B			313004 (GAG 4A 125V) (S10 B10)	342001	MDX4	BKP	

MISCELLANEOUS

ITEM No.	PART NAME	FAIRCHILD PART No.	NOTES
M3	Switch		Power On-Off (Toggle)
M4	Test Jack		Balance Control Adjust