



PROPERTY OF
L. F. BLANKENSHIP
3904 MIAMI ST.
DENVER, COLORADO

CRAFTSMEN
MODEL CA-11



CRAFTSMEN
MODEL CA-11

TRADE NAME	Craftsman Model CA-11
MANUFACTURER	Radio Craftsman Inc., 4223 W. Jefferson Blvd., Los Angeles 16, Calif.
TYPE SET	AC Operated 4 Channel Audio Amplifier
TUBES (Five)	Types 12AX7 AF Amplifier, 12AX7 AF Amp.-Phase Inv., (2) 6V6GT Output, 5Y3GT Rectifier
POWER SUPPLY	110-120 Volts AC-60 Cycles
	RATING .55 Amp. @ 117 Volts AC

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

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G683



CHASSIS-BOTTOM VIEW

PARTS LIST AND DESCRIPTIONS

TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	1st. AF Amplifier	12AX7	
V2	2nd. AF Amp. -Phase Inv.	12AX7	
V3	Output	6V6GT	
V4	Output Rectifier	6V6GT	
V5		5Y3GT	

ELECTROLYTIC CAPACITORS

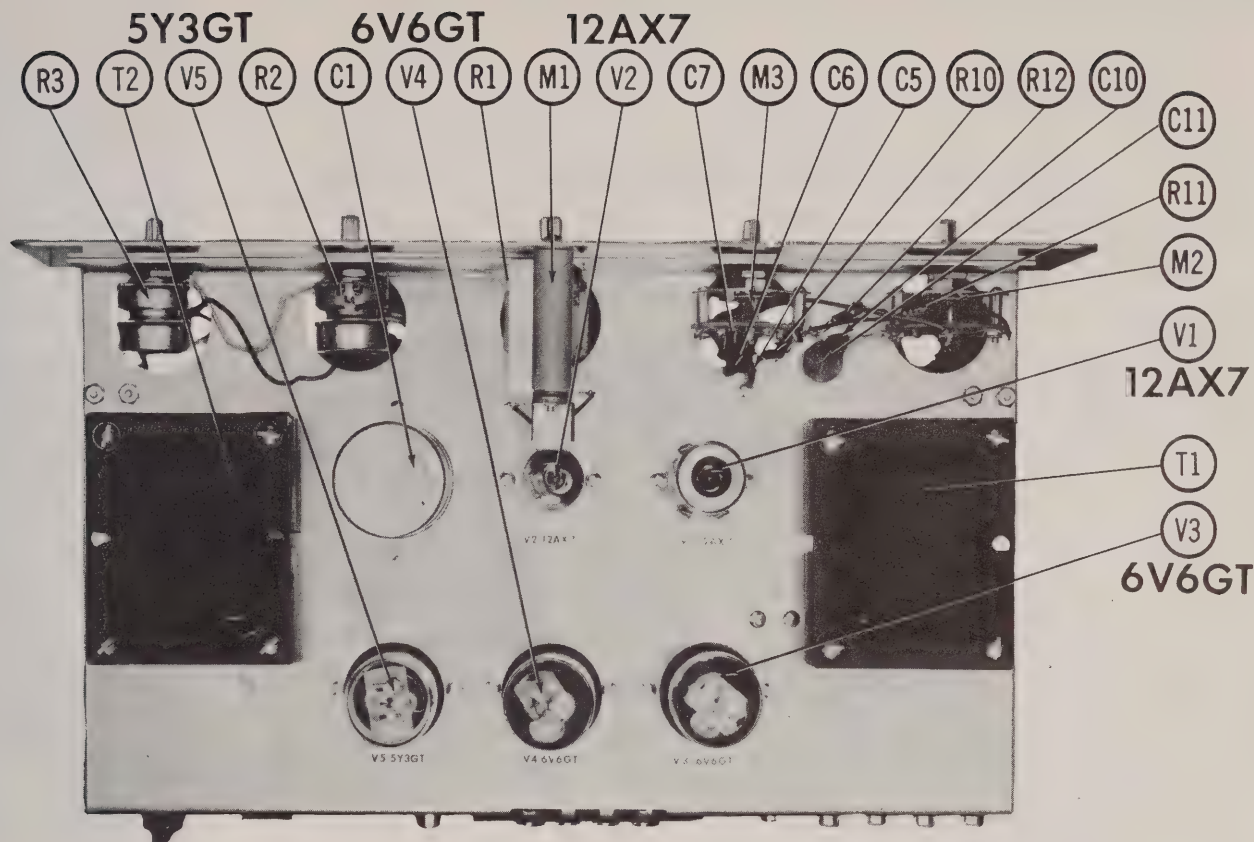
ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	CRAFTSMEN PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.
C1A	.40	350	CEX-10				FD420, 35 TC3501	
C1B	.30	300						
C1C	.20	250						
C1D	.100	50						
* Non-catalog item.								

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		REPLACEMENT DATA						NOTES
	CAP.	VOLT.	CRAFTSMEN PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	MALLORY PART No.	
C2	100			DI-0001	DD-101	G042	ED-100	UC-531	5GA-T1
C3	100			DI-0001	DD-101	G042	ED-100	UC-531	5GA-T1
C4	.15	200		P288N-15	DD-271	G054	ED-270	GEM-2015	2TM-T15
C5	270			DI-00027	DD-471	G060	ED-470	UC-5327	5GA-T27
C6	470			DI-00047	DD-102	G069	ED-1000	UC-5347	5GA-T47
C7	1000			DI-001	DD-102	G077	ED-1000	UC-521	5GA-D1
C8	3300			DI-0033	DD-332	G077	ED-0033	UC-5233	5GA-D33
C9	.047	400		BPD-05	DD-503	CUB4S47		GEM-4147	4TM-S47
C10	2000			DI-002	DD-202	G072	ED-002	UC-522	5GA-D2
C11	3300			DI-0033	DD-332	G077	ED-0033	UC-5233	5GA-D33
C12	20000			BPD-02	DD-203	K085	ED-02	GEM-412	5HK-S2
C13	1000			DI-001	DD-102	G069	ED-1000	UC-521	5GA-D1
C14	20000			BPD-02	DD-203	K085	ED-02	GEM-412	5HK-S2
C15	.033	400		BPD-03	DD-503	CUB8S33		GEM-4133	6TM-S33
C16	.047	400		BPD-05	DD-503	CUB4S47		GEM-4147	4TM-S47
C17	200			DI-0002	DD-201	G060	ED-200	UC-532	5GA-T2
C18	.047	400		BPD-05	DD-503	CUB4S47		GEM-4147	4TM-S47
C19	.047	400		BPD-05	DD-503	CUB4S47		GEM-4147	4TM-S47
C20	20000			BPD-02	DD-203	K085	ED-02	GEM-412	5HK-S2
C21	20000			BPD-02	DD-203	K085	ED-02	GEM-412	5HK-S2

CHASSIS—TOP VIEW



PARTS LIST AND DESCRIPTIONS (Continued)

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		CRAFTSMEN PART No.	CRAFTSMEN PART No.	IRC PART No.	MALLORY PART No.	
R1A	1Meg	P-26	CL-70-S	Q18-137XX	UDT289	Contoured loudness - taps ③ 250K, 400K
B	Shaft		Not Req.	Not Req.	Not Req.	Attach to R1A
C	Switch		Not Req.	76-1	US-26	Attach to R1A
R2A	100K	P-24		Q13-128	UF15A	Bass (Panel)
B	1Meg			M13-137	URI6L	Bass (Rear)
C	Shaft			Not Req.	Not Req.	Attach to R2A
R3A	50K	P-25		Q11-123	UF54L	Treble (Panel)
B	5000Q			M11-114	UB53L	Treble (Rear)
C	Shaft			Not Req.	Not Req.	Attach to R3A
R4A	1Meg	P-27	AB-69	A47-1Meg-S	US4	Level Set
B	Shaft		AK-9	RS-3	DS-36	Attach to R4A

RESISTORS

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

ITEM No.	RATING	REPLACEMENT DATA		NOTES
		CRAFTSMEN PART No.	IRC PART No.	
R5	470K		BTS-470K	
R6	470K		BTS-470K	
R7	27K		BTS-27K	
R8	270K		BTS-270K	
R9	820Q		BTS-820	
R10	150K		BTS-150K	
R11	27K		BTS-27K	
R12	1.5Meg		BTS-1.5Meg	
R13	1Meg		BTS-1Meg	
R14	270K		BTS-270K	
R15	1500Q		BTS-1500	
R16	33K		BTS-33K	
R17	820K		BTS-820K	
R18	270K		BTS-270K	
R19	33K		BTS-33K	

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	CRAFTSMEN PART No.	Halliderson PART No.	Merit PART No.	Stancor PART No.
T1	117VAC ③ .55A	610VCT -068ADC	5 VAC ② 2A ③ 1.75A	8.3VAC ② 2A ③ 1.75A	T-26	P9305 ①	P-2951	22R02

① Drill new mounting holes.

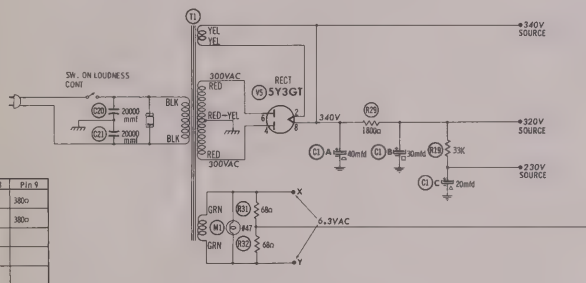
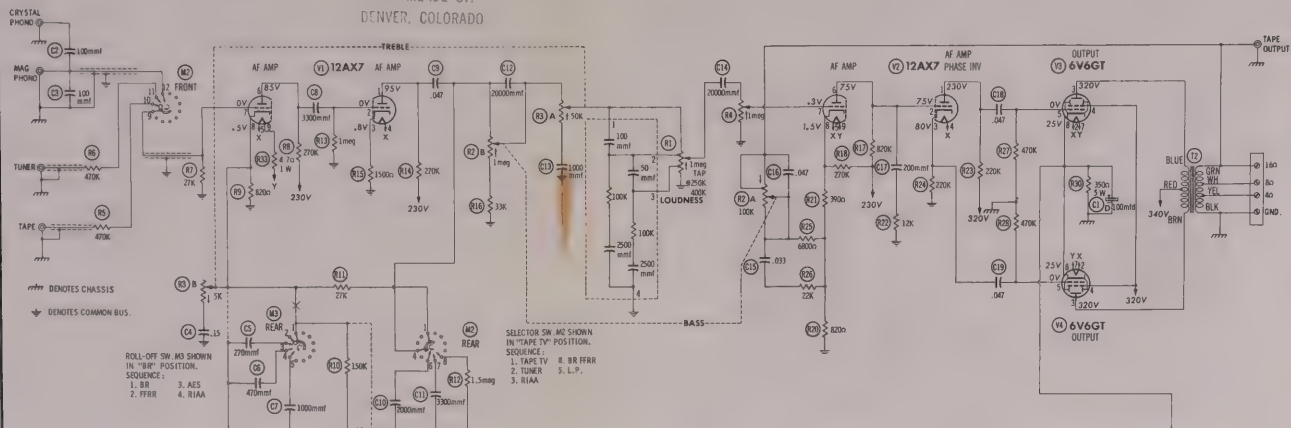
TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		CRAFTSMEN PART No.	Halliderson PART No.	REPLACEMENT DATA				NOTES
	PRI.	SEC.			Merit PART No.	Stancor PART No.	Thordarson PART No.	Triad PART No.	
T2	8000Q	16Q tap ④ 8Q, 4Q	T-27				22S66 ①		① Use original shield

MISCELLANEOUS

ITEM No.	PART NAME	CRAFTSMEN PART No.	NOTES
M1	Pilot Light		
M2	Switch	SW-38	
M3	Switch Knob	SW-37 N-12	447 Function (2 Pole - 5 Position, rotary, wafer type) Roll-Off (SP- 4 position, rotary, wafer type) 5 Used

BLANKENSHIP
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RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12AX7	1.30K	1Meg	1500	380	380	1.30K	27K	820	380
V2	12AX7	1.22K	1.85K	22K	360	380	1.85K	81	1200	380
V3	6V6GT	NC	380	1.250	1.180	47K	NC	380	350	
V4	6V6GT	NC	380	1.250	1.180	47K	NC	380	350	
V5	5Y3GT	NC	TP	NC	155	NC	155	TP	70K	

NC NO CONNECTION
TP TIE POINT
1 MEASURED FROM PIN 8 OF V5
2 LEVEL CONTROL SET AT MAXIMUM

- DC voltage measurements taken with vacuum tube voltmeter; AC voltage measured w/ 1000 ohm per volt.
- Socket connections are shown as bottom views.
- Unmarked values are from standard pin-to-pin common resistors.
- Line voltage maintained at 117 volts for voltage readings.
- Resistor tolerance is component value unless otherwise specified.
- All resistors 1/2 watt unless otherwise specified.