



Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Top Cap
V 1	6J7	0Ω	.1Ω	7240KΩ	1900KΩ	1.5KΩ	120KΩ	.1Ω	1.5KΩ	1 Meg
V 2	6J7	0Ω	.1Ω	1120KΩ	1120KΩ	1120KΩ	568KΩ	.1Ω	1.5KΩ	235KΩ
V 3	6SN7GT	500KΩ	152KΩ	1.1KΩ	47KΩ	152KΩ	1KΩ	.1Ω	.1Ω	
V 4	6V6GT	0Ω	.1Ω	1188Ω	11KΩ	520KΩ	130Ω	.1Ω	200Ω	
V 5	6V6GT	0Ω	.1Ω	1168Ω	11KΩ	470KΩ	.32Ω	.1Ω	200Ω	
V 6	5Y3GT	INF	300KΩ	INF	275Ω	INF	245Ω	INF	300KΩ	

† MEASURED FROM PIN 8 OF V6

A PHOTOFACT STANDARD NOTATION SCHEMATIC

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- 1 - DC Voltage measurements are at 20,000 ohms per volt; AC Voltage measurements 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 $\pm 19\%$ in voltage and resistance readings.
- 6 - All controls at minimum, proper output load connected.

DUKANE MODELS 1A300, 1B300



MIKE
VOLUME
CONTROL

AUX
VOLUME
CONTROL

ON-OFF SWITCH
TONE CONTROL

DUKANE MODEL 1A300

TRADE NAME	DuKane Models 1A300, 1B300	
MANUFACTURER	DuKane Corp., St. Charles, Ill.	
TYPE SET	AC Operated 2 Channel Audio Amplifier	
TUBES (SIX)	Types 6J7 Mic Pre Amp., 6J7 AF Amp., 6SN7GT AF Amp. -Phase Inv., (2) 6V6GT Audio Output, 5Y3GT Rectifier	
POWER SUPPLY	105- 125 Volts AC	RATING .68 Amp. @ 117 Volts AC

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

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DATE 12-52

SET 189

FOLDER 6

PHOTOFACT* Folder



DUKANE
MODELS 1A300, 1B300

DUKANE
MODELS 1A300, 1B300

PARTS LIST AND DESCRIPTIONS
TUBES (SYLVANIA or Equivalent)

DUKANE
MODEL LA300

CHASSIS—TOP VIEW

ITEM No.	USE	REPLACEMENT DATA		BMA BASE TYPE	NOTES
		DUKANE PART No.	STANDARD REPLACEMENT		
V1	Mic. Pre Amp.	262-6J7	6J7	7R	
V2	AF Amplifier	262-6J7	6J7	7R	
V3	AF Amplifier	262-6SNTGT	6SNTGT	8BD	
V4	Phase Inverter	262-6V6GT	6V6GT	7AC	
V5	Audio Output	262-6V6GT	6V6GT	7AC	
V6	Rectifier	262-5Y3GT	5Y3GT	5T	

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 CAP. VOLT	REPLACEMENT DATA				NOTES
		DUKANE PART No.	AEROVOX PART No.	CORNEILL DUBILIER PART No.	ERIE PART No.	MALLORY PART No.
C1A	.30	119-2932-00	AFH3-41	UPT4145		FP396.2
C1B	.450					TVL-4840
C1C	.450					TVL-4840
C2A	.30	119-2932-00	AFH3-41	UPT4145		FP396.2
C2B	.450					TVL-4840
C2C	.450					TVL-4840
C3	.25	119-2001-256	PR325/25	BR252A		TC26
C4	.25	119-2001-256	PR325/25	BR252A		TC26
C5	.25	119-2001-256	PR325/25	BR252A		TC26
C6	.05	119-4021-503	P488-05	PTE435		PT415
C7	.05	119-4021-503	P488-05	PTE435		PT415
C8	.05	119-4021-503	P488-05	PTE435		PT415
C9	.05	119-4021-502	P488-05	PTE435		PT415
C10	.05	119-4021-503	P488-05	PTE435		PT415
C11	.05	119-4021-503	P488-05	PTE435		PT415
C12	.05	119-4021-503	P488-05	PTE435		PT415

CONTROLS

ITEM No.	RATING RESIST. ANGE	REPLACEMENT DATA				INSTALLATION NOTES
		DUKANE PART No.	CLAROSTAT PART No.	CENTRALAB PART No.	MALLORY PART No.	
R1A	500KΩ	601-40-00	Q13-133	ESK-60	U-48	Aux. Volume
R1B	500KΩ	601-40-00	Q13-133	ESK-60	U-48	Attach to R1A
R2A	500KΩ	601-40-00	Q13-133	ESK-60	U-48	Mike Volume
R2B	500KΩ	601-40-00	Q13-133	ESK-60	U-48	Attach to R2A
R3A	500KΩ	601-40-00	Q13-133	ESK-60-S	U-48	Tone
R3B	500KΩ	601-40-00	Q13-133	ESK-60-S	U-48	Attach to R3A
R3C	500KΩ	601-40-00	Q13-133	ESK-60-S	U-48	Attach to R3A

RESISTORS

ITEM No.	RATING OHMS	REPLACEMENT DATA				NOTES
		DUKANE PART No.	IRC PART No.	REPLACEMENT DATA DUKANE PART No.	IRC PART No.	
R4	1 Meg	600-0043-105	BTS-1 Meg	600-0116-151	BTA-150	
R5	68KΩ	600-0043-482	BTS-68K	600-0116-473	BTA-47K	
R6	150KΩ	600-0116-124	BTA-150K	600-0116-102	BTA-100K	
R7	220KΩ	600-0116-124	BTA-220K	600-0116-473	BTA-47K	
R8	470KΩ	600-0116-474	BTA-470K	600-0116-473	BTA-47K	
R9	470KΩ	600-0116-474	BTA-470K	600-0116-473	BTA-47K	
R10	150KΩ	600-0116-124	BTA-150K	600-0116-201	I 3/4A-200	
R11	100KΩ	600-0116-104	BTA-100K	600-0116-474	BTA-47K	
R12	68KΩ	600-0116-683	BTA-68K	600-0116-151	BTA-15K	
R13	100KΩ	600-0116-102	BTA-100K	600-0116-472	BTA-4700	
R14	100KΩ	600-0116-102	BTA-100K	600-0116-102	BTA-100K	
R15	100KΩ	600-0116-102	BTA-100K	600-0116-102	BTA-100K	

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA		
	PRI.	SEC. 1	SEC. 2	SEC. 3	DUKANE PART No.	STANCOR PART No.
T1	117VAC	634VCT	.085ADC		710-4075	

TRANSFORMER (FILAMENT)

ITEM No.	RATING			REPLACEMENT DATA		
	PRI.	SEC. 1	SEC. 2	SEC. 3	DUKANE PART No.	STANCOR PART No.
T2	117VAC	5VAC	6.3VCT		710-4074	

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING			REPLACEMENT DATA		
	IMPEDANCE	DC RES.	SEC.	SEC.	DUKANE PART No.	STANCOR PART No.
T3	7.8KΩ	70V	356Ω	25.6Ω	710-3042	

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			DUKANE PART No.	STANCOR PART No.	CHICAGO PART No.	TRIAD PART No.
M1	3AG	3A	320-835-0100			

DUKANE
MODEL LA300

DUKANE
MODEL LA300