

PARTS LIST AND DESCRIPTIONS (Continued)

FIXED CAPACITORS(cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CENTRALAB PART No.	CORNING PART No.	ELMCO PART No.	MALLORY PART No.
C23	.0005 200V		BPD-0015	D6-252	DPWSD25	BDP-1-252	GEM-6225
C44	.0015		BPD-0015	DD-152	BYA10015	CCD-152	B-215
C45	.0015		BPD-0015	DD-152	BYA10015	CCD-152	B-215
C46	.0015		BPD-0015	DD-152	BYA10015	CCD-152	B-215
C47	.0015		BPD-0015	DD-152	BYA10015	CCD-152	B-215
C48	.0015		BPD-0015	DD-152	BYA10015	CCD-152	B-215
C49	.0015		BPD-0015	DD-152	BYA10015	CCD-152	B-215
C50	.005 1000V		P1008N-005	DD-502	CUBASS	BDP-2-502	GEM-6225
C51	.05 400V		P488N-05	DD-503	CUBASS	BDP-3-503	GEM-415

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA	REMARKS
			DELMONICO PART No.	CENTRALAB PART No.
R1A	Volume, Left Ch.	1meg		B-70
R2A	Tone, Left Channel	500K		B-60
B	Tone, Right Channel (Power Off-On)	500K		KE-3

RESISTORS

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

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	REMARKS
			ITEM No.	
R3	6800Ω		R17	1meg
R4	22K		R18	4.7meg
R5	1.5meg		R19	250K 1W
R6	22K		R20	150Ω
R7	1000Ω		R21	1meg
R8	1000Ω		R22	1meg
R9	150Ω		R23	4.7meg
R10	100K		R24	250K 1W
R11	2200Ω		R25	10K
R12	100Ω		R26	150Ω
R13	47K		R27	1000Ω 5W
R14	10K		R28	100Ω 5W
R15	10K		R29	10Ω 1W
R16	1meg		R30	40Ω 5W

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA	REMARKS	REMARKS
		DELMONICO PART No.	Merit PART No.	Stancor PART No.
L1	RF Choke (1uh)		BC-561	RTC-8515
L2	FM RF			
L3	FM Osc.			
L4	1st FM IF			
L5	Loopstick			
L6	AM Osc.			
L7	1st AM IF			
L8	2nd FM IF			
L9	2nd AM IF			
L10	Ratio Detector			
L11	FL Choke (1uh)			

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA	REMARKS
	PRI	SEC.	
T1	2200Ω Tap @ 6% (Tap Not Used)	6-8Ω	
T2	2200Ω Tap @ 6% (Tap Not Used)	6-8Ω	

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA	REMARKS
	SIZE	FIELD	V. C. IMP.
SP1	4"x 6"	PM	3-4Ω
SP2	4"	PM	3-4Ω
SP3	4"x 6"	PM	3-4Ω
SP4	4"	PM	3-4Ω

PHONO CARTRIDGE & NEEDLES

\*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

ITEM No.	REPLACEMENT DATA	REMARKS
	ASTATIC	ELECTRO-VOICE
	DELMONICO PART No.	SONOTONE PART No.
M1	ED511-A1	8T44-S

MISCELLANEOUS

ITEM No.	PART NAME	REMARKS
M2	Tuning Cap.	
M3	Switch	

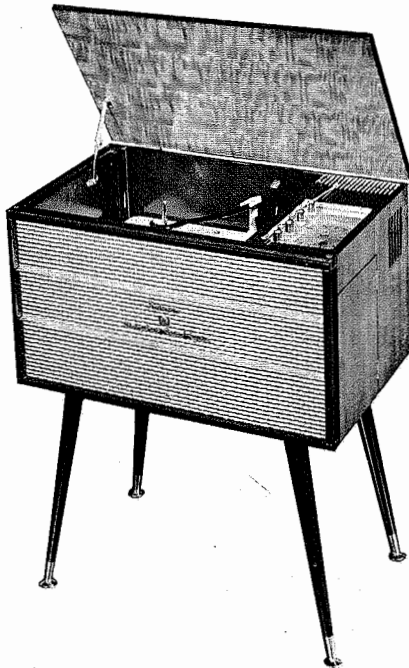
WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord	8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)	17006 (Plastic) or 17126 (Rubber) - 6 Ft.
Low-Loss Shielded Lead (Interconnecting)	17009 (Plastic) or 17129 (Rubber) - 9 Ft.
Photo Pick-up Arm Cable	Use BELDEN No. 8874 (Rubber) or 8885 (Plastic)
	Use BELDEN No. 8401 or 8421
	Use BELDEN No. 8430 (Two Conductor-Unshielded)
	8429 (Two Conductor-Shielded)
	8419 (Three Conductor-Shielded)

FOLDER 5  
SET 581

PHOTOFACT® Folder

DELMONICO  
MODEL 1025

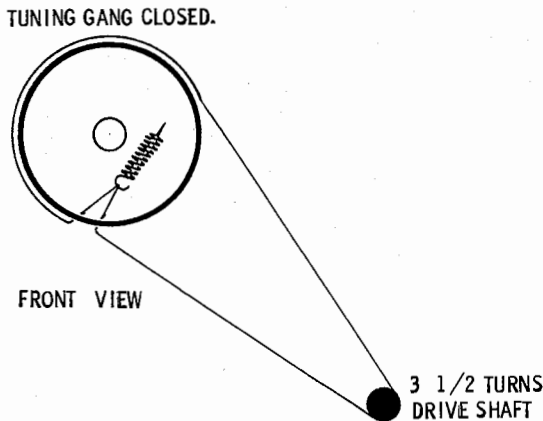


DELMONICO  
MODEL 1025

TRADE NAME	Delmonico Model 1025
IMPORTER	Delmonico International, Div. of Thompson-Starrett Co., Inc., 120-20 Roosevelt Ave., Corona 68, N. Y.
TYPE SET	AC Operated 11 Tube FM-AM Receiver With Stereo Amplifier and 4 Speed Automatic Record Changer
POWER SUPPLY	110 - 120 Volts AC, 60 Cycles
RATING	48 Watts, .47 Amp. @117 Volts AC
TUNING RANGE—BROADCAST	540 - 1600KC
FREQ. MOD.	88 - 108MC

FOR SERVICE INFORMATION ON RECORD CHANGER — SEE DELMONICO SRC-4 — PHOTOFACT SET 522 FOLDER 7

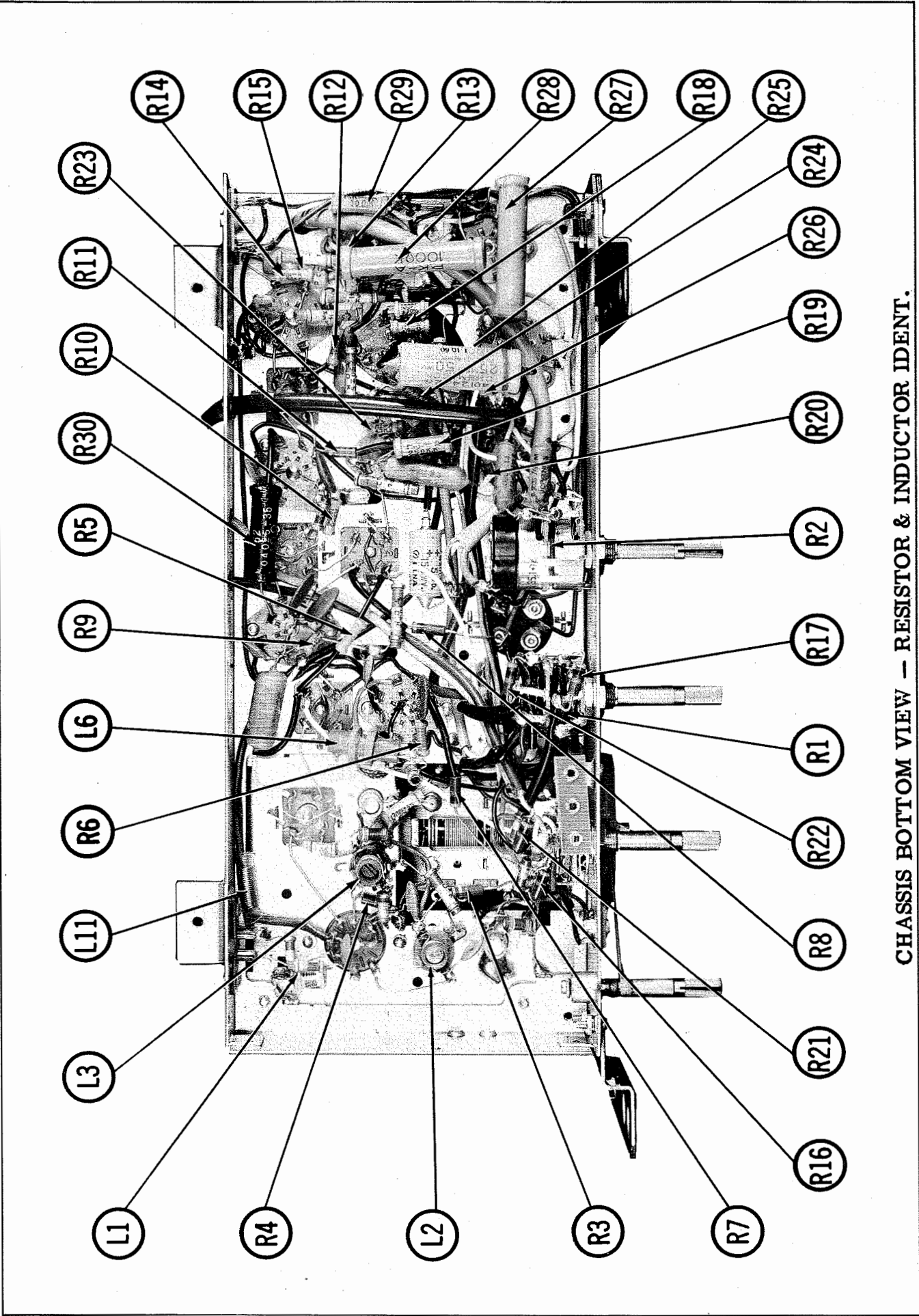
DIAL CORD STRINGING



HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

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CHASSIS BOTTOM VIEW - RESISTOR & INDUCTOR IDENT.

PARTS LIST AND DESCRIPTIONS

GENERAL ELECTRIC				RAYTHEON				SYLVANIA			
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	FM RF Amp.-FM Conv.	12DT8	V6	AM Det.-Right Channel AF Amp.	12AV6						
V2	AM Converter	12BE6	V7	Left Channel AF Amp.	12AV6						
V3	1st FM IF Amp.-	12BA6	V8	Right Channel Output	35C5						
V4	AM IF Amp.	12BA6	V9	Rectifier	35W4						
V5	2nd FM IF Amplifier Ratio Detector	12AL5	V10	Rectifier	35W4						

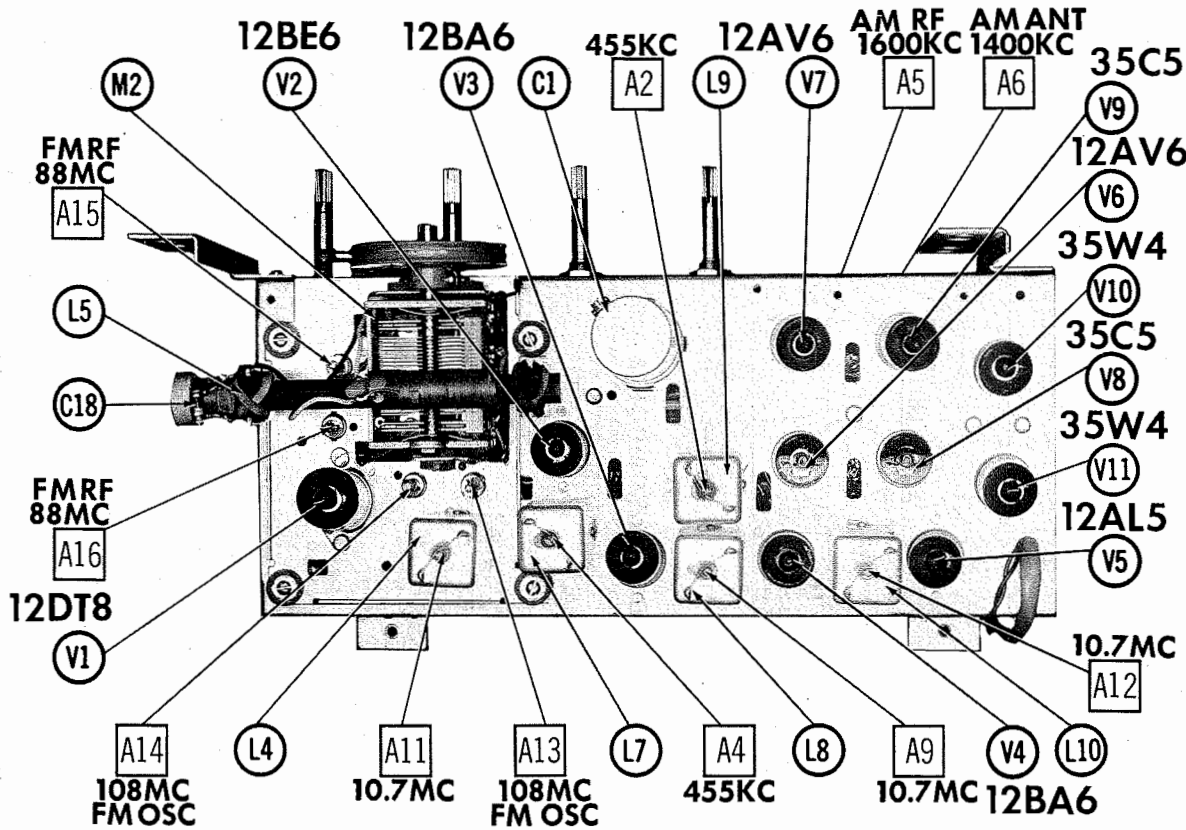
ELECTROLYTIC CAPACITORS

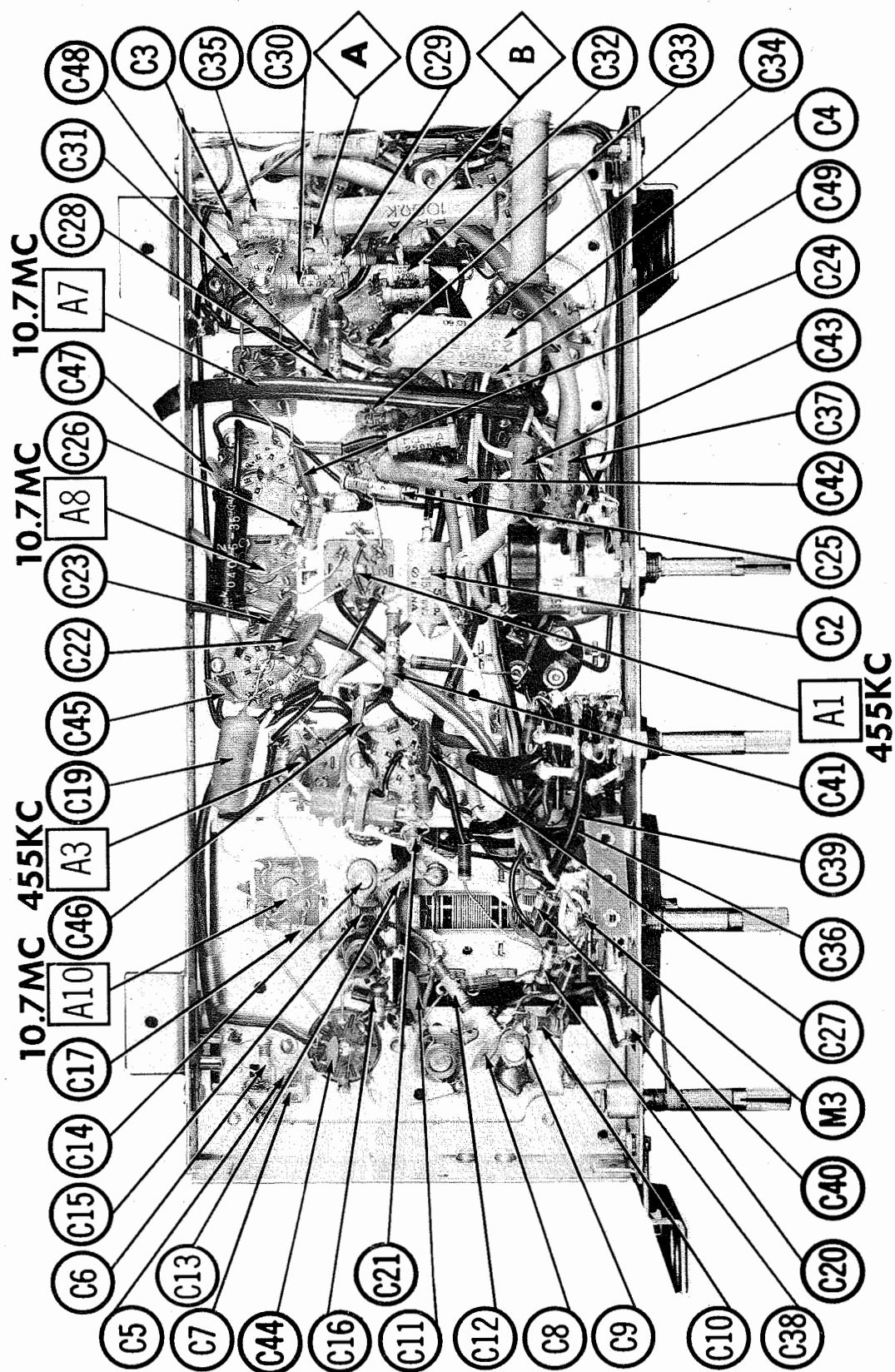
ITEM No.	RATING	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA
	CAP.	VOIT.	DEL MONICO PART No.	AEROVOX PART No.	CORNELL DUBILER PART No.	GENERAL ELECTRIC PART No.	SPRAGUE PART No.
C1A	60	150		AFB3-11-50	XC0105	XC3-44	TMT-3133
C1B	60	150					
C1C	60	150					
C2	5	50					
C3	10	50					
C4	25	50					

FIXED CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA	REPLACEMENT DATA
		REMARKS	AEROVOX PART No.	CENTRALAB PART No.	CORNELL DUBILER PART No.	ELMOCO PART No.	SPRAGUE PART No.
C5	100 5%		NPO-SI 6.8	TCZ-100	C107IC	CM-19B-101J	10TCC-T10
C6	100 5%		BPD-0015	TCZ-100	C107IC	CM-19B-101J	10TCC-T10
C7	7 +.5mmf			TCZ-100	C107IC	CM-19B-101J	10TCC-T10
C8	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C9	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C10	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C11	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C12	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C13	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C14	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C15	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C16	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C17	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C18	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C19	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C20A	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C20B	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C21	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C22	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C23	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C24	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C25	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C26	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C27	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C28	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C29	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C30	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C31	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C32	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C33	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C34	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C35	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C36	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C37	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C38	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C39	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C40	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C41	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10
C42	100 5%			DD-502	C107IC	CM-19B-101J	10TCC-T10

CHASSIS-TOP VIEW





CHASSIS BOTTOM VIEW - ALIGNMENT, CAPACITOR & MISC. IDENT.

DELMONICO  
MODEL 1025

FOLDER 5

## ALIGNMENT INSTRUCTIONS

### ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Use only enough generator output to provide a usable indication.

Suggested Alignment Tools:

A1 thru A4, A7 thru A14.... GENERAL CEMENT #8721, 8722

WALSCO #2519

A5, A6..... GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9098

WALSCO #2512, 2525, 2528

#### AM ALIGNMENT - SELECTOR IN AM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1.	High side thru .01mfd to pin 7 (grid) of AM Converter. Low side to chassis.	455KC (400% 30% AM)	(AM) Tuning gang fully open.	Across voice coil.	A1, A2, A3, A4	Adjust for maximum output.
2.	Fashion loop of several turns of wire and radiate signal into loop of receiver.	1600KC	1600KC	"	A5	"
3.	"	1400KC	1400KC Signal.	"	A6	"

#### FM IF ALIGNMENT USING AM SIGNAL GENERATOR AND VTVM - SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
4.	High side thru .001mfd to pin 7 (grid) of FM Converter. Low side to chassis.	10.7MC (Unmod.)	(FM) Point of non-interference.	DC probe to point A. Common to chassis.	A7, A8, A9, A10, A11	Adjust for maximum deflection.
5.	"	"	"	DC probe to point B. Common to chassis.	A12	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

#### FM IF ALIGNMENT USING FM SIGNAL GENERATOR AND OSCILLOSCOPE - SELECTOR IN FM POSITION

Use frequency modulated signal with 60% modulation and 450KC sweep. Use 120V sawtooth voltage in scope for horizontal deflection.

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT SCOPE	ADJUST	REMARKS
4.	High side thru .001mfd to pin 7 (grid) of FM Converter. Low side to chassis.	10.7MC (450KC Swp)	(FM) Point of non-interference.	Vert. amp. to point A. Low side to chassis.	A7, A8, A9, A10, A11	Disconnect stabilizing capacitor C3. Adjust for maximum gain and symmetry of response similar to Fig. 1 with markers as shown. Reconnect C3.
5.	"	"	"	Vert. amp. to point B. Low side to chassis.	A12	Adjust to place marker at center of crossover lines similar to Fig. 2. SLIGHTLY retouch A7 for maximum amplitude and straightness of crossover lines.

#### FM RF ALIGNMENT - SELECTOR IN FM POSITION

	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	CONNECT VTVM	ADJUST	REMARKS
6.	Across FM antenna terminals with 120Ω in each lead.	108MC (Unmod.)	FM 108MC	DC probe to point A. Common to chassis.	A13, A14	Adjust for maximum deflection.
7.	"	88MC	88MC	"	A15, A16	"

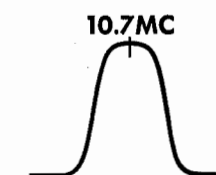


FIG. 1

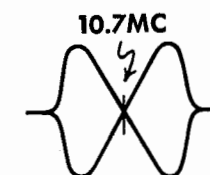
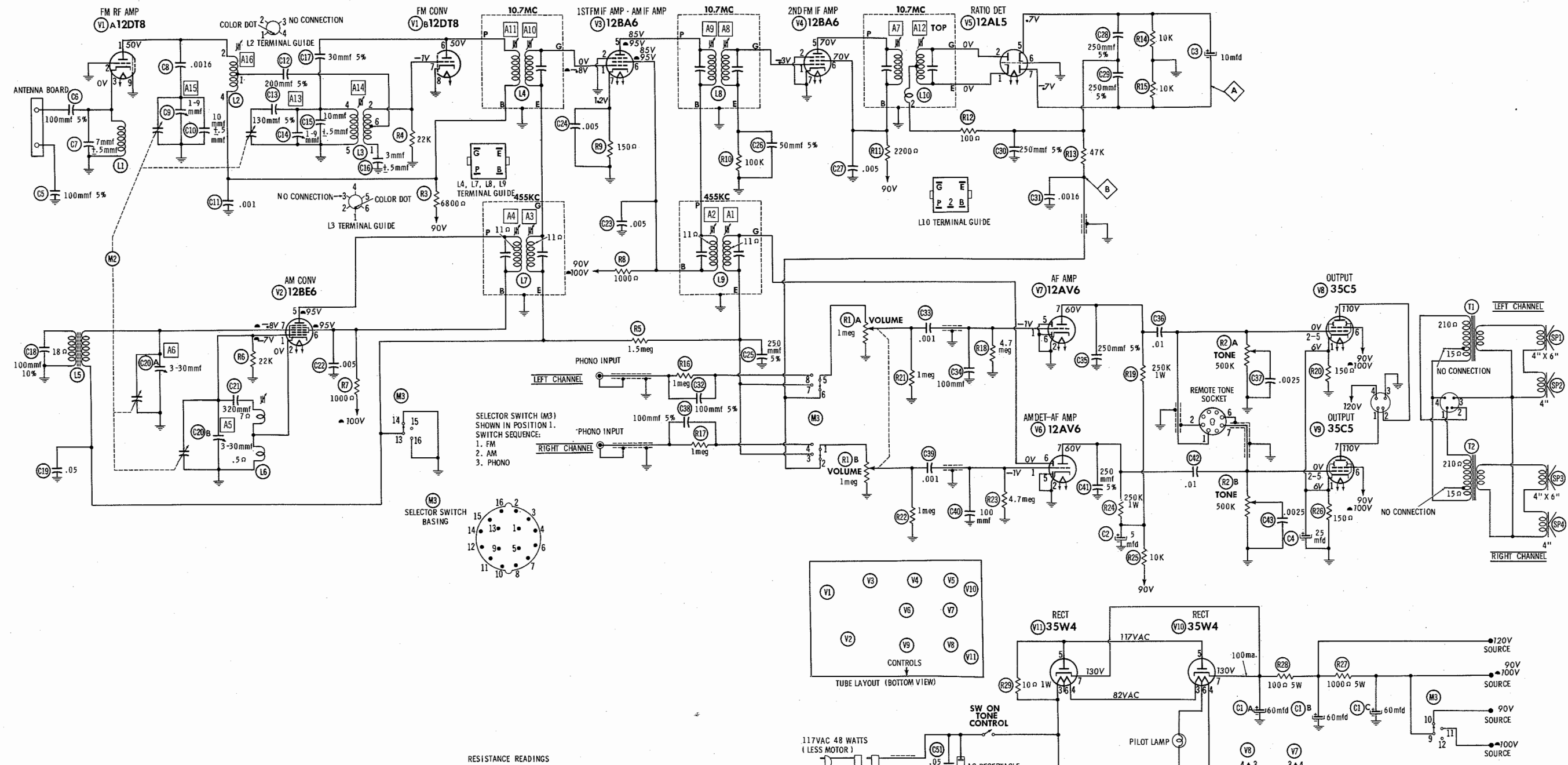


FIG. 2





ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	12DT8	17900Ω	0Ω	.1Ω	0Ω	15Ω	17900Ω	22K	0Ω	0Ω
V2	12BE6	22K	.3Ω	40Ω	30Ω	12100Ω	12100Ω	2meg		
V3	12BA6	.1Ω	0Ω	40Ω	45Ω	12100Ω	12100Ω	150Ω		
V4	12BA6	100K	0Ω	65Ω	60Ω	13300Ω	13300Ω	0Ω		
V5	12AL5	550K	550K	22Ω	30Ω	10K	0Ω	10K		
V6	12AV6	4.7meg	0Ω	15Ω	22Ω	0Ω	500K	1260K		
V7	12AV6	4.7meg	0Ω	12Ω	0Ω	0Ω	0Ω	1260K		
V8	35C5	75Ω	500K	12Ω	50Ω	500K	11100Ω	1325Ω		
V9	35C5	75Ω	500K	65Ω	100Ω	500K	11100Ω	1325Ω		
V10	35W4	NC	NC	80Ω	50Ω	110Ω	60Ω	1		
V11	35W4	NC	NC	100Ω	80Ω	110Ω	NC	1		

ALL MEASUREMENTS TAKEN IN "FM" POSITION UNLESS OTHERWISE DESIGNATED.  
 1. MEASURED IN "AM" POSITION. NC NO CONNECTION  
 2. MEASURED FROM PIN 7 OF V10 AND V11.  
 3. THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.

NUMBERS ASSIGNED TO COILS, SWITCHES, PLUGS, SOCKETS, AND TRANSFORMERS ARE TO FACILITATE CIRCUIT TRACING OR COMPONENT REPLACEMENT AND MAY NOT NECESSARILY BE FOUND ON THE UNIT.

DC COIL RESISTANCE VALUES UNDER ONE OHM NOT SHOWN ON SCHEMATIC DIAGRAM

- DC voltage measurements taken with vacuum tube voltmeter; AC voltages measured with 1000 ohm per volt voltmeter.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common ground.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of  $\pm 15\%$  in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.

A PHOTOFAC STANDARD NOTATION SCHEMATIC  
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DELMONICO  
 MODEL 1025