

475-20

PHOTOFACT* Folder

MUSITRON
MODEL PT-10

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MUSITRON MODEL PT-10

TRADE NAME Musitron, Model PT-10
MANUFACTURER The Musitron Co., 223 W. Erie St., Chicago 10, Ill.
TYPE SET AC Operated Phonograph with 4 Tube Amplifier & Speaker
TUBES (FOUR) Types, 7N7 AF Amp.-Phase Inv. (2) 7C5 Power Output, 7Z4 Rectifier.
POWER SUPPLY 110-120 Volts AC RATING .580 Amp. @ 117 Volts AC

Pin	7N7		7C5	
No.	Volt.	Res.	Volt.	Res.
1	3.1 VAC	.2 Ω	3.1 VAC	.2 Ω
2	3.9 VDC	860 Ω	325 VDC	45 K Ω
3	100 VDC	120 K Ω	310 VDC	45 K Ω
4	0V	450 K Ω	0V	INF.
5	0V	13 K Ω	0V	INF.
6	100 VDC	125 K Ω	0V	260 K Ω
7	3.9 VDC	860 Ω	18 VDC	195 Ω
8	3.1 VAC	.2 Ω	3.1 VAC	.2 Ω

Pin	7C5		7Z4	
No.	Volt.	Res.	Volt.	Res.
1	3.1 VAC	.2 Ω	3.1 VAC	.2 Ω
2	325 VDC	45 K Ω	0V	INF.
3	310 VDC	45 K Ω	300 VAC	139 Ω
4	0V	INF.	0V	INF.
5	0V	INF.	0V	INF.
6	0V	235 K Ω	300 VAC	130 Ω
7	18 VDC	195 Ω	330 VDC	45 K Ω
8	3.1 VAC	.2 Ω	3.1 VAC	.2 Ω

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

- DC Voltage measurements are at 20,000 ohms per volt; AC Voltage measured at 1000 ohms per volt.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common negative.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.

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ITEM No.	USE	REPLACEMENT DATA		INSTALLATION NOTES
		MUSITRON PART No.	STANDARD REPLACEMENT	
1	AF Phase Inv.	7N7	7N7	
2	Power Output	7C5	7C5	
3	Rectifier	7Z4	7Z4	

TUBES

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
		MUSITRON PART No.	SPRAGUE	AEROVOX	CORNELL DUBIER PART No.	
5	40 350		EL-4	FRS450-40	TC78	
6	50 450		UT-58	FRS450-50	2N518	Filter - Red
7	100 400		TC-12	484-02	TF423	Audio Coupling
8	100 400		TC-12	484-02	TF423	
9	100 400		TC-15	634-05	TF416	Tone Compensation

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		MUSITRON PART No.	MALLORY	IRC	
10A	500K 1		7550	D11-153	Volume Control
11A	100K 1		Not Req.	Not Req.	Attach to 10A per instructions
11B	100K 1		Not Req.	Not Req.	Attach to 11A per instructions

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		MUSITRON PART No.	IRC	
12	500K 1		BT-220	White-Blk.-Br. AF Cathode
13	500K 1		BT-220	Blue-Gray-Br. AF Plate Load
14	500K 1		BT-220	Blue-Gray-Br. Phase Inverter Plate Load
15	500K 1		BT-220	Br.-Grn.-Gr. Phase Inverter Plate Load
16	500K 1		BT-220	Red-Vl.-Vl. Output Grid
17	500K 1		BT-220	Red-Vl.-Vl. Output Grid
18	500K 1		BT-220	Br.-Gray-Gr. Voltage Dropping
19	500K 1		BT-220	Red-Blk.-Br. Filter
20	500K 1		AB-2000	

TRANSFORMER (POWER)

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		MUSITRON PART No.	STANCOR PART No.	THORDARSON PART No.	
21	117V AC 600W CT 6.3V AC 2.7A		P-63121	T22631	Use universal mounting brackets

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA		INSTALLATION NOTES
		MUSITRON PART No.	STANCOR PART No.	
22	1400V 7.4A 240V 1.0A		A-3523	T22545

SPEAKER

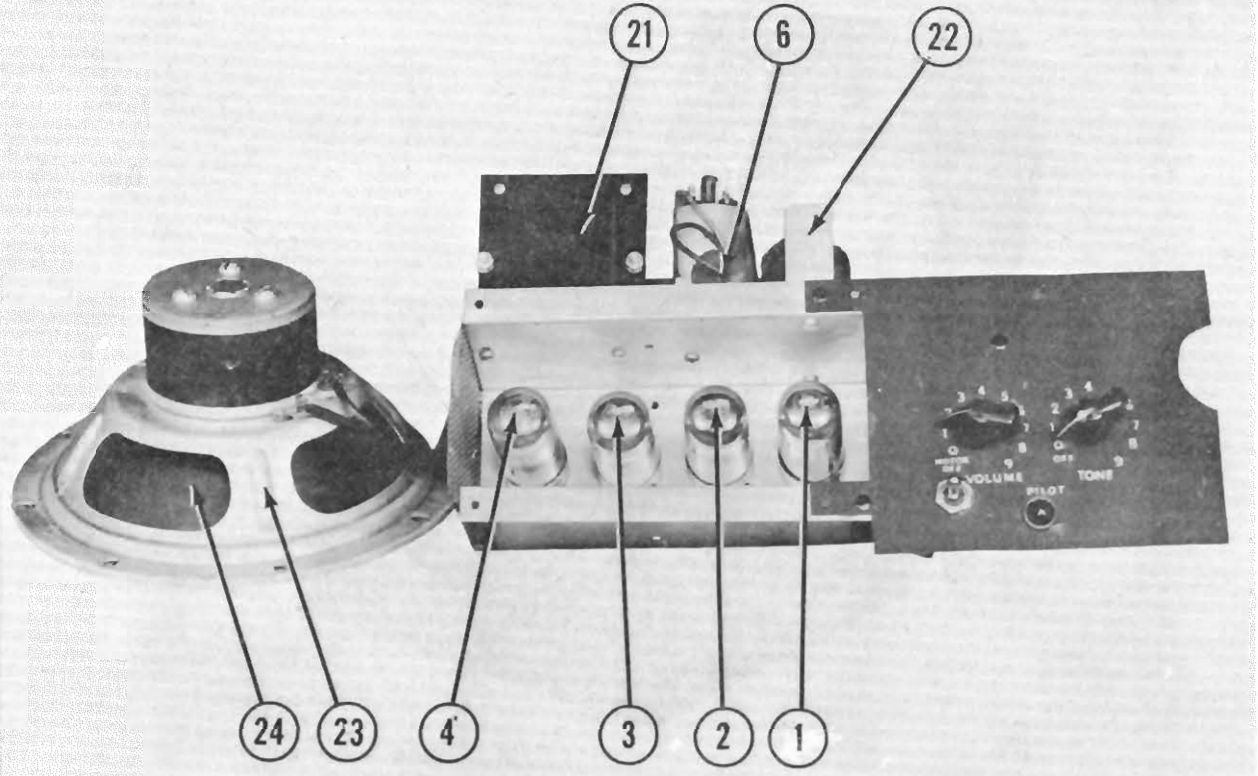
ITEM No.	RATINGS	REPLACEMENT DATA		INSTALLATION NOTES
		MUSITRON PART No.	JENSEN PART No.	
23	16 100 100		SP-1M	
24	16 100 100		Mod. PB-S	

DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				BEAD COLOR	MUSITRON PART No.	
25	Screw	6-8	0.25	Blue		Type 46

MISCELLANEOUS

ITEM No.	PART NAME	MUSITRON PART No.	NOTES
26	Switch		On-Off



CHASSIS—BOTTOM VIEW

