



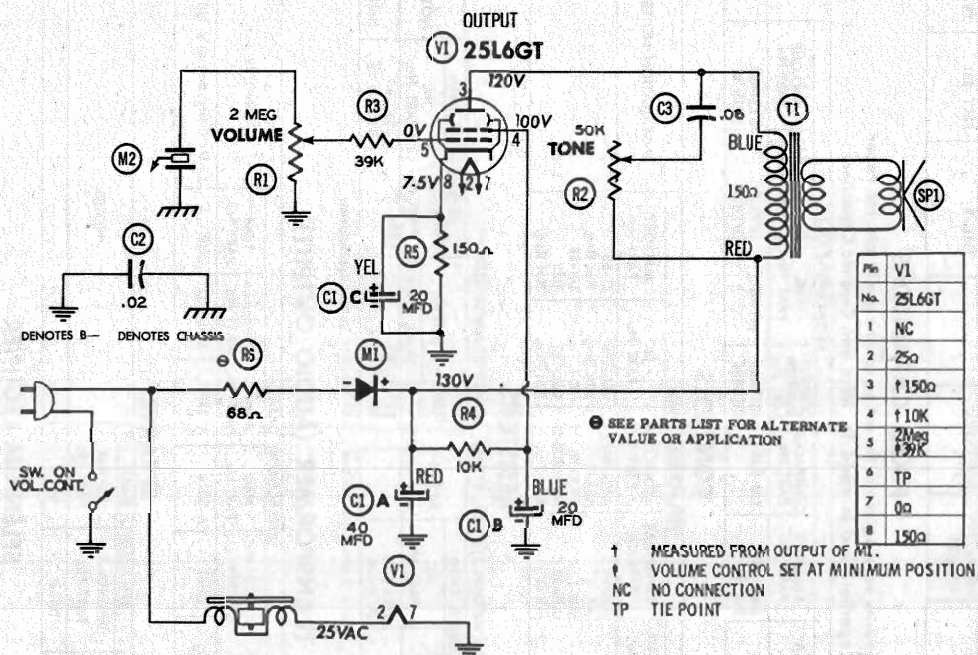
PHONOLA
MODELS 155, 255, 355, 455, 555



PHONOLA
MODELS 155, 255, 355, 455, 555

TRADE NAME	Phonola Models 155, 255, 355, 455, 555
MANUFACTURER	Waters Conley Co., Inc., Rochester, Minn.
TYPE SET	AC Operated Phono Amplifier With 3 Speed Manual Record Player (Models 155, 355, 455, 555)
TUBES (One)	Type 25L6GT Output
POWER SUPPLY	105-125 Volts AC - 60 Cycles
RATING	.34 Amp. @ 117 Volts AC

A 45RPM AUTOMATIC RECORD CHANGER IS USED IN MODEL 255. FOR SERVICE INFORMATION ON THIS UNIT - SEE SIMILAR RCA MODEL RP-190 SERIES - PHOTOFACT SET #144 - FOLDER #7 OR RECORD CHANGER MANUAL CM-4.



A PHOTOFACT STANDARD NOTATION SCHEMATIC
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HOWARD W. SAMS & CO., INC. • Indianapolis 5, Indiana

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PARTS LIST AND DESCRIPTIONS TUBES (GENERAL ELECTRIC, SYLVANIA)

ITEM No.	USE	TYPE	NOTES
V1	Output	25L6GT	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
	CAP.	VOLT.	PHONOLA PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	
C1A	40	150	11747	PR81E0/25V 4000/20	BKRT4215C	TML-2	SPRAGUE PART No. TVA-3423
B	20	150					
C	20	25					

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		REPLACEMENT DATA		NOTES
	CAP.	VOLT.	PHONOLA PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	
C2	.02	200	11508	BIPD-02	CU82S2	PT412	SPRAGUE PART No. 2TM-S2
C3	.06	200	11509	P28BN-06	CU8696	PT616	6TM-S6

CONTROLS

ITEM No.	RATING		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
	RESIST. ANCE	WATTS	PHONOLA PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	
R1A	2Meg	1	11746	AB-76	A47-2Meg-Z	U-55	Volume
R2A	50K	1	11749	KB-1	76-1	US-26	Tone
B				AK-4	AK-3	Not Req.	

RESISTORS

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

ITEM No.	RATING		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
	OHMS	WATT	PHONOLA PART No.	IRC PART No.	PHONOLA PART No.	IRC PART No.	
R3	39K		9144	BTS-39K	9897	BTS-150	Note 1
R4	10K		9273	BTS-10K		BTS-68 5%	

Note 1: Some versions use a 560 resistor in this application.

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
	IMPEDANCE	SEC.	PHONOLA PART No.	Halldorson PART No.	Men't PART No.	Thorndorson PART No.	
T1	2.3K	3.20	11752	21101	A-3025	26858 ①	① Drill one new mfg. hole.

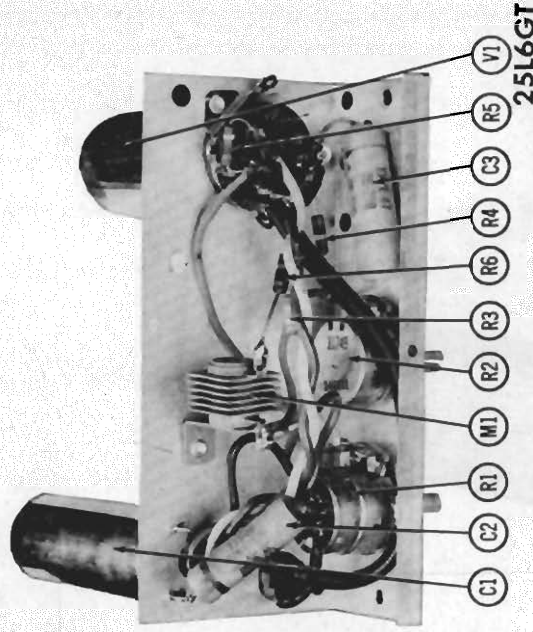
SPEAKER

ITEM No.	RATING		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
	SIZE	FIELD	PHONOLA PART No.	QUAM PART No.	PHONOLA PART No.	QUAM PART No.	
SPI	4"	PM	11752	4A07			

SELENIUM RECTIFIER

ITEM No.	RATING		REPLACEMENT DATA		REPLACEMENT DATA		NOTES
	CURRENT		PHONOLA PART No.	FEDERAL PART No.	INTERNATIONAL PART No.	MALLORY PART No.	
M1	.051A		11756	1263A	R8065	6585	

CHASSIS—BOTTOM VIEW



PHONO CARTRIDGE

ITEM No.	REPLACEMENT DATA		REPLACEMENT DATA		REMARKS
	PHONOLA PART No.	ASTATIC PART No.	ELECTRO-VOICE PART No.	REMARKS	
M2	11767	30	51-2	PFT-1	• Complete arm & cartridge ass'y. • Not supplied with cart. • Used in model 155.
	11860	83-1	K	81-1	• Used in model 155.
	11894	83-78	K and	PFT-1	• Used in models 355, 455 or 555.
		P-29	5-78	PT-2	• Complete tone arm and cartridge ass'y. for use with model 155.

ASTATIC NEEDLE LISTINGS SHOWN ABOVE ARE SPECIFIED FOR THE RESPECTIVE REPLACEMENT CARTRIDGES LISTED. FOR ORIGINAL NEEDLE REPLACEMENTS SEE BELOW.

PHONO NEEDLE

(FOR REPLACEMENT IN ORIGINAL EQUIPMENT CARTRIDGE)

ITEM No.	REPLACEMENT DATA		REPLACEMENT DATA		REMARKS
	PHONOLA PART No.	JENSEN PART No.	WALCO PART No.	REMARKS	
M3	10882 ①	• J-753 or INT-252 or INT-253D		• Metal • Jewel • Diamond • Anyion	
	11681 ②	• A76LP or 1A67LP or A67LDP	• W-39MGA or 1W-39MGS or W-39A or W-39MD	① Used in model 155. ② Used in model 155.	
	11895 ③	• A-76 or 1A-67 or A-67D and A76LP or 1A67LP or A67LDP	• W-39A or 1W-39S and W-39MGA or 1W-39MGS or W-39MD	③ Use in models 355, 455, or 555.	