



RI-4 Phonograph
RI-5 Phonograph

**Field Service Manual
and
Parts Catalog**

PART NO. 2-18479-03
SECOND EDITION
2ND PRINTING

SPECIFICATIONS

GENERAL	RI-4	RI-5
DEPTH	24-7/16 in. (62cm)	24-9/16 in. (62cm)
WIDTH	33-1/2 in. (85cm)	33-1/2 in. (85cm)
HEIGHT	44-13/16 in. (114cm)	45-15/16 in. (117cm)
NET WEIGHT	220 lbs. (100 Kg.)	220 lbs. (100Kg.)
POWER REQUIREMENTS	120 VAC, 60 Hz., 250 watts 2.6 amps 220/240 VAC, 50 Hz., 285 watts 1.7 amps	

RECORD CHANGER MECHANISM

CAPACITY	80 records
RECORD SIZE	7 inches
SPEED	45 RPM 33 and 45 RPM (with optional Automix)

CREDIT AND PRICING SYSTEM

ACCUMULATOR TYPE CREDIT SYSTEM	
COINS ACCEPTED	Nickels Dimes Quarters Half-Dollars Dollar Coins
TOTAL CREDIT ACCUMULATIONS	99
PRICING	See Pricing, Page 6

SOUND SYSTEM

CARTRIDGE	
TYPE	Shure Dynetic Variable Reluctance
FREQUENCY RESPONSE	20 to 20,000 Hz.
CHANNEL SEPARATION	25 db @ 1,000 Hz.
NOMINAL COMPLIANCE	20 x 10 ⁻⁶ cm/dyne
TRACKING FORCE	3-4 grams
OUTPUT	7 mv.
STYLUS	1 mil, diamond

POWER AMPLIFIER	
50 watt Stereo	
4 Ohm Loads @ 1%THD	25 watts RMS/Channel
70 V Lines @ 1%THD	25 watts RMS/Channel

PREAMPLIFIER	
AVC CONTROL RANGE	40 db
TREBLE CONTROL	12 db/octave 10,000 Hz. full 6,000 Hz. moderate 3,000 Hz. low

BASS CONTROL	Compensates for bass loss at low volume levels 12 db per octave
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Second Edition

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MODEL RI-4 PHONOGRAPH MODEL RI-5 PHONOGRAPH



RI-4



RI-5

TRANSFORMER

POWER LEVELS FOR PHONOGRAPH SPEAKERS 3, 6, 12, 35, 50 watts
 PROVIDES 70 VOLT LINE FOR EXTENSION SPEAKERS

SPEAKER SYSTEM

	LOW FREQUENCY	HIGH FREQUENCY
SPEAKER DIAMETER	8 inches	4-1/2 inches
VOICE COIL DIAMETER	1 inch	0.75 inch
IMPEDANCE	8 ohms	12 ohms
CROSSOVER	2000 Hz.	
SYSTEM FREQUENCY RESPONSE	50 to 12,000 Hz.	

SELECTION SYSTEM

CAPACITY 160 selections

LIGHTING

FRONT DOOR Fluorescent, 25 watts, 28 inch (T-12),
 7-00601-07

CONTROL PANEL Front lit from front door

CREDIT WINDOW Light Emitting Diodes 7-00353-03

FUSES AND CIRCUIT BREAKERS

MAIN POWER SUPPLY

120 VAC CIRCUIT (Transformer
 Primary Only) 2 Amp Circuit Breaker, 7-00733-15
 120 VAC CIRCUIT 10 Amp Circuit Breaker, 7-00734-25
 + 28 VDC CIRCUIT 5 Amp Slo-Blo Fuse 7-00721-06
 + 8 VDC CIRCUIT 5 Amp Slo-Blo Fuse 7-00721-06

AMPLIFIER

Stereo - 50W
 120 VAC CIRCUIT 1 Amp Circuit Breaker, 7-00733-11
 DC CIRCUIT 3Amp Fuse, Type AGC (4) 7-00720-08

IMPORTANT

THIS IS A SECTIONALIZED SERVICE MANUAL/PARTS CATALOG. PLEASE TAKE THE TIME TO READ THIS PAGE, AND REVIEW THE TABLE OF CONTENTS THOROUGHLY TO OBTAIN MAXIMUM BENEFITS FROM THIS PUBLICATION.

The first five sections of this Manual are organized to fully realize the serviceability which is engineered into each Phonograph.

These sections are intended primarily for location use to provide familiarization with phonograph components and accessories. Included are detailed system descriptions, procedures for unpacking, set up & installation, programming, routine location servicing and a valuable procedure guide for sequential troubleshooting to isolate a malfunction to one of the plug-in circuit modules.

The troubleshooting isolation procedure detailed in Section 4 is based entirely on visual observation, utilizing the LED indicator lamps on the main power supply and circuit modules. Also in Section 4 are comprehensive Block and Wiring Diagrams.

Section 5 illustrates locations of fuses and circuit breakers and offers a compatibility chart.

Section 6, the PARTS CATALOG, contains a complete listing of procurable replacement parts except for electronic components that are listed directly on the wiring diagrams.

A separate publication, OPERATION SEQUENCE AND SCHEMATICS, elaborates to provide information for the repair of circuit boards and the replacement of electronic components. The information and procedures are intended for an ADVANCED LEVEL OF MAINTENANCE where test equipment is available and service personnel have had electronics training. This publication is available from your distributor. Please order Part No. 3-65355-07.

This equipment has been tested to show compliance with new FCC (47 CFR Part 15) designed to limit interference to radio and TV reception.

warranty

Rowe extends to the original operator of this equipment the following warranty:

All parts are guaranteed to be free of defects in material and workmanship for the specific periods which follow. Rowe agrees to repair without charge during such period any part which proves defective upon examination by Rowe. All costs of shipping an allegedly defective part to or from Rowe's offices shall be borne by the original operator.

Mechanical Moving Parts	5 years
Electrical and Electronic Parts	2 years
Lamps and Stylis	90 days

In the case of parts supplied to Rowe as components, Rowe extends the same warranty period as extended by the original manufacturer.

The above warranty applies provided that all parts of the machine have been serviced properly as directed in the service manual, and provided the alleged defective part, upon examination by Rowe, shall prove to be thus defective.

This warranty will not apply to any machine or any part which has been subjected to any accident, abuse, or misuse.

ROWE INTERNATIONAL, INC. EXTENDS NO WARRANTY, EXPRESSED OR IMPLIED, TO PURCHASERS OR USERS OF ITS PRODUCTS EXCEPT AS HEREIN SET FORTH, WHETHER BY OPERATION OF LAW OR OTHERWISE.

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