

RI-3 Phonograph

Field Service Manual and and Parts Catalog

Customer Services Tech. Aid-800-631-8084

PART NO. 2-18479-01 FOURTH EDITION APRIL, 1981

SPECIFICATIONS

GENERAL	-
DEPTH 24-7/16 in. (62 WIDTH 33-1/2 in. (85) HEIGHT 44-13/16 in. (114 NET WEIGHT 220 lbs. (100 POWER REQUIREMENTS 120 VAC, 60 Hz., 250 watts 2.6 ar 220/240 VAC, 50 Hz., 285 watts 1.7 and	cm) cm) Kg.)
RECORD CHANGER MECHANISM	
CAPACITY 80 rec RECORD SIZE 7 in SPEED 45 F 33 and 45 RPM (with optional Autor	ches
CREDIT AND PRICING SYSTEM	
ACCUMULATOR TYPE CREDIT SYSTEM COINS ACCEPTED	mes
TOTAL CREDIT ACCUMULATIONS	99
SOUND SYSTEM	
CARTRIDGE TYPE Shure Dynetic Variable Relucta FREQUENCY RESPONSE 20 to 20,000 CHANNEL SEPARATION 25 db @ 1,000 NOMINAL COMPLIANCE 20 x 10-6 cm/d TRACKING FORCE 3-4 gr OUTPUT 7 STYLUS 1 mil, diame	Hz, Hz, yne ams mv.
POWER AMPLIFIER 50 watt Stereo 4 Ohm Loads @ 1 %THD	
PREAMPLIFIER AVC CONTROL RANGE	full rate
BASS CONTROL Compensates for bass loss at volume levels 12 db per oct	

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MODEL RI-3 PHONOGRAPH



TRANSFORMER

DC CIRCUIT .

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

SPEAKER SYSTEM	LOW HIGH FREQUENCY	
SPEAKER DIAMETER	8 inches 4-1/2 inches 1 inch 0.75 inch 8 ohms 12 ohms 2000 Hz. 50 to 12,000 Hz.	
SELECTION SYSTEM		
CAPACITY	160 selections	
LIGHTING		
FRONT DOOR	Fluorescent, 25 7-00601-07	watts, 28 inch (T-12),
CONTROL PANEL	Front lite from	front door
CREDIT WINDOW	Light Emitting 1	Diode 7-00353-03
FUSES AND CIRCUIT BREAKERS		
MAIN POWER SUPPLY AC CIRCUIT	120V 2 Amp Circuit Breaker, 7-00733-15 10 Amp Circuit Breaker, 7-00734-25 5 Amp Slo-Blo Fuse, 7-00721-06 5 Amp Slo-Blo Fuse, 7-00721-06	220V (2) 7-00734-21 (5A) 7-00734-22 (6A) 7-00721-06 7-00721-06
AMPLIFIER 50 W		
Steareo - 50 W 120 VAC CIRCUIT	1.5 Amp Circuit Breaker, 7-00732-13	3

3 Amp 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.

Additionally, locations of fuses & circuit breakers, a compatibility chart and comprehensive wiring diagrams are featured in Section 5.

Part 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. 3-65355-06.

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 Styli 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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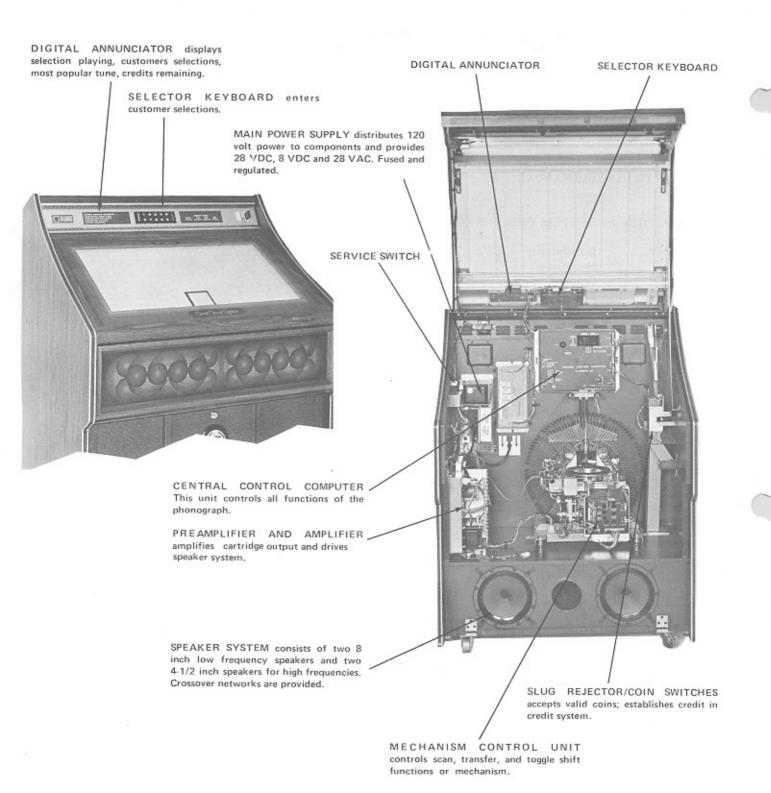


FIGURE 1. PHONOGRAPH MAJOR COMPONENTS