



Innovation in Mobility

***PF5000 Series™
Low-Floor Vehicle
Access Ramp
for
Custom Installation***

[TABLE OF CONTENTS](#)

[PRINT ENTIRE MANUAL](#)

Service Manual

This Ricon service manual is for use by qualified service technicians, and is not intended for use by non-professionals (do-it-yourselfers). The manual provides essential instructions and reference information, which supports qualified technicians in the correct installation and maintenance of Ricon products.

Qualified service technicians have the training and knowledge to perform maintenance work properly and safely. For the location of a Ricon authorized service technician in your area, call Ricon Product Support at 1-800-322-2884.

Customer Name: _____

Installing Dealer: _____

Date Installed: _____

Serial Number: _____

REVISION RECORD

REV	PAGES	DESCRIPTION OF CHANGE	ECR / ECO
32DPF502. B	Inside Cover	Updated disclaimer on inside cover.	3990/4918
	3-7, 3-8	Changed Figs 3-2 & 3-3 to show new motor with pigtail and connector.	4929
	5-4 & 5-5	Deleted 28640 & 17729. Changed PF50146 to PF50111 and 40-20-007 to 23335. Added WS-0013, 16912, PF50078, PF50079, 11787, 11785, 22517, 10566.	
32DPF502. C	Ch 2	Added new controller configuration for 27625, including a new electrical interconnect diagram and corresponding text.	4162/5025
	3-5 & 3-6	Added new controller configuration information for 27625.	
	3-9	Added Fig 3-4 Electrical Wiring Diagram for Controller part number 27625	
	5-6 & 5-7	Added reference number 5C (27625) to drawing and parts list.	
END OF LIST			

TABLE OF CONTENTS

<i>Chapter:</i>	<i>Page</i>
I. INTRODUCTION	1-1
A. RICON ONE-YEAR LIMITED WARRANTY.....	1-1
B. SHIPMENT INFORMATION	1-3
C. GENERAL SAFETY PRECAUTIONS.....	1-3
D. PRODUCT TERMINOLOGY.....	1-4
II. INSTALLATION	2-1
A. MECHANICAL.....	2-1
1. RAMP LOCATION.....	2-1
2. RAMP MOUNTING.....	2-1
3. FLUTTER VALVE INSTALLATION	2-2
B. ELECTRICAL INSTALLATION	2-2
1. RECOMMENDED PARKING BRAKE HOLD CIRCUIT	2-2
2. MAIN WIRING	2-3
C. RAMP CONTROLLER ADJUSTMENT	2-6
1. ADJUSTMENT OF CONTROLLER WITH WHITE ADJUSTMENT SCREWS	2-6
2. ADJUSTMENT OF CONTROLLER WITH BRASS ADJUSTMENT SCREWS.....	2-7
D. INSTALLATION VERIFICATION	2-8
E. DECALS	2-9
III. MAINTENANCE	3-1
A. MAINTENANCE SCHEDULE	3-1
B. TROUBLESHOOTING GUIDES	3-2
1. RAMP OPERATIONAL TROUBLESHOOTING	3-2
2. ELECTRICAL TROUBLESHOOTING	3-3
3. RAMP CONTROLLER INDICATORS	3-4
C. RAMP CONTROLLER ADJUSTMENTS	3-4
D. RAMP CONTROLLER ELECTRICAL WIRING	3-4
1. DIAGRAM COLOR CODES	3-4
2. ELECTRICAL SIGNAL DESCRIPTIONS.....	3-5
3. MANUAL OPERATIONAL FUNCTION DESCRIPTION.....	3-6
4. WIRING DIAGRAM.....	3-6
IV. REPAIR.....	4-1
A. GENERAL SAFETY PRECAUTIONS AND WARNINGS	4-1
B. RAMP SERVICE ACCESS	4-1
C. COMPONENT DESCRIPTIONS.....	4-2
D. ENCLOSURE COMPONENTS.....	4-3
1. ENCLOSURE DOOR REMOVAL.....	4-3
2. ENCLOSURE DOOR INSTALLATION.....	4-4
3. ENCLOSURE ROLLER ASSEMBLY REMOVAL.....	4-4
4. ENCLOSURE ROLLER INSTALLATION.....	4-4
5. FLUTTER VALVE REMOVAL	4-5
6. FLUTTER VALVE INSTALLATION	4-5
E. DRIVE SYSTEM	4-5
1. DRIVE BELT REMOVAL	4-5
2. DRIVE BELT INSTALLATION	4-5

F. TRAVELING FRAME ASSEMBLY	4-6
1. TRAVELING FRAME REMOVAL	4-6
2. TRAVELING FRAME INSTALLATION	4-6
3. RAMP AND CARRIAGE DISASSEMBLY	4-7
4. RAMP AND CARRIAGE ASSEMBLY	4-7
V. PARTS DIAGRAMS AND LISTS	5-1
APPENDIX I LIFT SPECIFICATIONS.....	5-10