

Welcome and Introduction

This section describes this manual and other resources that will help you get the most out of your StingRay Parts Washer. Before you use the washer, read the entire manual to learn about installation, operations, maintenance, and troubleshooting.

Refer to chapter "Options" for descriptions of any options you have purchased.

Purpose of Manual

The *StingRay Standard Turntable Power Washer* manual is a comprehensive guide that contains information and operating instructions/procedures you need to operate the power washer as intended. *Operating instructions are also referred to as "procedures" in this manual.*

The next section, *Important Safety Instructions and Warnings*, contains general warnings and cautions that are meant to be observed at all times when you work with the washer. User Training is required to work with the power washer. *Be sure all operators and maintenance personnel read and UNDERSTAND the instructions in this section.* In addition, operating instructions/procedures are preceded as necessary by warnings and cautions that alert operators to reasonably foreseeable risks of injury to people or damage to property.

IMPORTANT! Keep this manual and all safety and operating instructions. Operators must refer to them to safely install, operate, maintain, repair, troubleshoot, or work with the washer in any way.

StingRay knows that its **users don't want washing machines ... they want clean parts**. The manual has been written with this objective in mind and every chapter, from "*Installation*" to "*Troubleshooting*" and "*Options*", provides guidelines and suggestions for helping you achieve that goal ... safely.

Audience

This manual is intended for you, if you need to clean parts, whether you have already bought a StingRay Parts Washer system or are thinking about buying one. You will find StingRay Parts Washers in all types and sizes of shops and manufacturing facilities -- wherever there are tough industrial cleaning problems.

Those who will find this manual especially useful include the following:

- Maintenance supervisors
- Maintenance staff
- Manufacturing engineers
- Operators
- Shop supervisors
- Contractors

How the Manual Is Organized

Review the *Table of Contents* to get a feel for what is in the manual and where it is located. The *List of Figures* lists all graphics by figure number and title and refers you to the correct page.

Important Safety Instructions and Warnings contain general warnings and cautions that are meant to be observed at all times when you work with the washer. Be sure all operators read and heed the instructions in that section.

Chapter 1, "Overview", presents an overview of the StingRay Standard Turntable Power Washer, including a theory of operation.

Chapter 2, "Installation", explains how to install the StingRay Parts Washer. Pay special attention to the prerequisites, particularly placement planning, and to the safety/precaution information.

Chapter 3, "Basic Operations", provides step-by-step instructions on how to load and wash parts.

Chapter 4, "Advanced Operations: Process-Control", describes how to establish operating parameters to optimize the performance of your power washer.

Chapter 5, "Maintenance", discusses the maintenance of your power washer. Use the information in this chapter to establish and follow a service schedule.

Chapter 6, "Troubleshooting", contains problem symptoms/probable causes for key assemblies and components of your washer. Use this chapter to help diagnose and correct a problem.

Chapter 7, "Options", contains installation, operations, maintenance, and troubleshooting information on the Clean Machine and any other power washer options you may have purchased from StingRay.

At the end of the manual you will find an *Index*. Use it to find information quickly.

How to Use This Manual

Read the entire manual *before* you attempt to install, operate, or maintain the power washer. This will provide the foundation you need to understand how the washer works and how to use it to your best advantage.

Staff members who are responsible for specific features or functions will benefit from paying special attention to corresponding information in the manual.

After you have read the entire manual thoroughly, use the *Table of Contents*, *List of Figures*, and *Index* to refer to information, as you need it.

StingRay Technical Services

StingRay Technical Services department is available to provide you with the support you might need.

If you have a question about the washer or its operation, first look in this manual and in other printed product-support documentation. If you cannot find the answer, contact *StingRay Technical Services*. Our phone number is on the title page near the beginning of the manual and in the following section, "*Other Resources -- HELP*".

Before your power washer is delivered, you will receive a courtesy call from StingRay Technical Services. Our expert engineers and technicians will review your specifications and answer questions about placement planning, installation, utility and service requirements.

Other Resources

In addition to this manual and our technical service staff, StingRay offers the following product support:

- Vendor-supplied manuals
- Startup
- HELP
- On-line 24/7 User SUPPORT Website

Vendor-supplied Manuals

Your washer is delivered with vendor-supplied manuals and cutsheets for some assemblies and parts. Refer to these documents for additional details on installation, operations, and maintenance.

Startup

A StingRay factory-trained technician is optionally available to perform startup and customer training. Call StingRay Customer Care to request this service.

As part of this service, the StingRay technician will fill in the *Field Startup Procedure (FSP)* form to begin your one-year warranty coverage.

HELP

If you can't find the answer to your question in this manual, contact StingRay:

STINGRAY Manufacturing

2450 Adie Road

St. Louis, MO 63043 U.S.A.

Phone: (314) 447-9000

Missouri Direct: (314) 447-9000

Fax: (314) 447-0909

E-mail: stingray@stingwash.com

Website: www.stingraypartswasher.com

STINGRAY Customer Care

Phone: (314)-567-3708

Fax: (314)-567-6318

E-mail: service@stingwash.com

Website: www.stingrayservice.com

Other Product-Support Services

Contact StingRay to receive the following information:

Audio Cassettes:

"Shop Productivity and Profit"

"Bake Ovens, EPA, OSHA, and Hazardous Waste Disposal"

"How StingRay Parts Washers Work"

Printed Material:

- Hazardous waste lab reports
- Procedure for sludge disposal
- Message to financial management
- Ins & outs of leasing
- Performance specifications for the parts washer in which you are interested
- List of users
- Testimonials
- StingRay parts cleaning cost analysis

Videos:

- All About Parts Washing

StingRay Website: www.stingraypartswasher.com