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› REID 618 HR Rollerway Surface Grinder Operator and Parts Manual

REID 618 HR Rollerway

REID 618 HR Rollerway Surface Grinder Operator and Parts Manual

Model: **618 HR Rollerway**

INTRODUCTION

This manual is a reproduction of the original operator's and parts manual for the REID 618 HR Rollerway Surface Grinder. It provides essential information for the safe and effective operation, maintenance, and identification of parts for your machine.

The content includes detailed operating instructions, lubrication guidelines, and comprehensive diagrams for parts identification. This resource is designed to assist users in properly utilizing and maintaining the REID 618 HR Rollerway Surface Grinder.

INSTRUCTION BOOK AND PARTS LIST

MODEL 618 HR



FAYSCOTT CO.

225 SPRING STREET, DEXTER, MAINE 04930

Image: Cover of the REID 618 HR Rollerway Surface Grinder Operator and Parts Manual. This image displays the front cover of the manual, indicating its title and purpose.

Proper setup is crucial for the safe and efficient operation of the REID 618 HR Rollerway Surface Grinder. Refer to the original manual for detailed instructions on unpacking, positioning, and initial assembly. Ensure the machine is placed on a stable, level surface and connected to the appropriate power supply according to local electrical codes.

- **Unpacking:** Carefully remove all packaging materials and inspect for any shipping damage.
- **Placement:** Position the grinder in an area with adequate space for operation and maintenance, ensuring proper ventilation.
- **Leveling:** Use leveling feet or shims to ensure the machine is perfectly level to maintain grinding accuracy.
- **Power Connection:** Connect the machine to a power source that matches the voltage and amperage requirements specified in the manual.

OPERATING INSTRUCTIONS

This section outlines the general procedures for operating the REID 618 HR Rollerway Surface Grinder. For specific details on controls, settings, and advanced operations, consult the full manual.

1. **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses and hearing protection.
2. **Machine Inspection:** Before each use, inspect the machine for any loose parts, damage, or obstructions.
3. **Workpiece Mounting:** Securely mount the workpiece on the magnetic chuck or other holding device.
4. **Grinding Wheel Selection:** Choose the correct grinding wheel for the material and desired finish.
5. **Operation:** Follow the manual's guidelines for spindle speed, feed rates, and depth of cut.
6. **Shutdown:** Turn off the machine and allow all moving parts to come to a complete stop before leaving the workstation.

LUBRICATION

Regular lubrication is essential for the longevity and optimal performance of your REID 618 HR Rollerway Surface Grinder. The manual provides a detailed lubrication schedule and specifies the types of lubricants required for various components.

- **Spindle Bearings:** Lubricate according to the recommended intervals to ensure smooth rotation.
- **Table Ways:** Keep the table ways clean and adequately lubricated to prevent friction and wear.
- **Lead Screws:** Apply appropriate grease or oil to lead screws for precise movement.
- **Gearboxes:** Check and maintain oil levels in gearboxes as specified.

Always refer to the original manual's lubrication chart for specific lubricant types and application points.

PARTS DIAGRAMS

The manual includes comprehensive explosive and cross-sectional view diagrams of the REID 618 HR Rollerway Surface Grinder's components. These diagrams are invaluable for identifying parts during maintenance, repair, or ordering replacements.

Each diagram is accompanied by a parts list with descriptions, allowing for accurate identification of every component. When ordering parts, always refer to the part number and description provided in the manual to ensure compatibility.

Note: Specific diagrams are contained within the physical manual. This section serves as a guide to their presence and utility.

MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your surface grinder. Adhere to the maintenance schedule provided in the manual.

- **Cleaning:** Keep the machine clean from grinding swarf and dust.
- **Inspection:** Periodically inspect all moving parts, electrical connections, and safety guards.
- **Adjustments:** Make necessary adjustments to ensure proper alignment and tension of belts (if applicable).
- **Grinding Wheel Care:** Dress and true grinding wheels regularly to maintain cutting efficiency and surface finish.

TROUBLESHOOTING

This section provides general guidance for common issues that may arise during the operation of the REID 618 HR Rollerway Surface Grinder. For detailed troubleshooting steps and solutions, consult the comprehensive manual.

Problem	Possible Cause	Solution
Poor Surface Finish	Dull or improperly dressed grinding wheel, incorrect feed rate, vibration.	Dress the wheel, adjust feed rate, check for loose components.
Excessive Vibration	Unbalanced grinding wheel, loose mounting, worn bearings.	Balance or replace wheel, tighten mounts, inspect bearings.
Machine Not Starting	No power, emergency stop engaged, faulty wiring.	Check power supply, reset emergency stop, consult electrician.

If you encounter issues not covered here or require advanced diagnostics, refer to the complete manual or contact a qualified technician.

SPECIFICATIONS

The following specifications are provided for the REID 618 HR Rollerway Surface Grinder manual itself. For machine-specific technical specifications, please refer to the original manual.

- ASIN:** B01B6KAHAU
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WARRANTY AND SUPPORT

This document is a reproduction of an original manual. For information regarding the warranty of the REID 618 HR Rollerway Surface Grinder itself, please refer to the documentation provided with the machine at the time of purchase or contact the original manufacturer. For support related to this manual reproduction, please contact the publisher, Ozark Tool Manuals.

For further assistance or to purchase replacement parts, it is recommended to consult the official REID manufacturer's resources or authorized distributors.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question