

GOODSON CL-7340

GOODSON Liner Removal Tool 3/8" Instruction Manual

Model: CL-7340

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the GOODSON Liner Removal Tool, 3/8" (Model CL-7340). This specialized tool is designed for the precise removal of cylinder liners in automotive and industrial applications. Please read this manual thoroughly before operation to ensure proper handling, maintenance, and to prevent potential damage or injury.

2. SAFETY INFORMATION

Always adhere to the following safety guidelines when using the Liner Removal Tool:

- **Wear appropriate personal protective equipment (PPE)**, including safety glasses and gloves, to protect against debris and sharp edges.
- Ensure the workpiece is **securely mounted** and stable before attempting liner removal.
- Do not use the tool if it appears damaged or modified.
- Keep hands and fingers clear of the working area during operation.
- Store the tool in a clean, dry place away from children and unauthorized personnel.
- This tool is intended for professional use. If you are unsure about any procedure, consult a qualified technician.

3. SETUP

Before beginning the liner removal process, ensure the engine block or component is prepared and accessible.

1. **Inspect the Tool:** Verify that the GOODSON Liner Removal Tool (CL-7340) is clean and free from any damage or wear.
2. **Prepare the Work Area:** Ensure adequate lighting and clear access to the cylinder liner to be removed.
3. **Clean the Liner Area:** Remove any debris, carbon buildup, or obstructions from around the top edge of the cylinder liner.
4. **Lubricate (Optional):** For stubborn liners, a penetrating lubricant can be applied to the liner's base to aid in removal. Allow sufficient time for the lubricant to penetrate.



Figure 1: The GOODSON Liner Removal Tool (CL-7340). This image shows the elongated, cylindrical metal tool with a specialized end designed for gripping and extracting cylinder liners.

4. OPERATING INSTRUCTIONS

Follow these steps for effective liner removal:

- Insert the Tool:** Carefully insert the 3/8" end of the Liner Removal Tool into the cylinder liner. Ensure it is seated properly and engages with the liner's internal features.
- Engage the Liner:** Depending on the specific liner design, the tool may require a slight rotation or adjustment to firmly grip the liner. Ensure a secure engagement to prevent slippage during removal.
- Apply Force:** Once the tool is securely engaged, apply steady, upward force to extract the liner. This may involve using a slide hammer or a press, depending on the application and the liner's condition. Avoid excessive or jerky force, which could damage the liner or the engine block.
- Monitor Progress:** Observe the liner as it begins to move. If it resists, re-evaluate the setup and consider additional lubrication or alternative methods if necessary.
- Complete Removal:** Continue applying force until the liner is fully extracted from the engine block.
- Inspect:** After removal, inspect the engine block bore for any damage or debris before installing a new liner.

5. MAINTENANCE

Proper maintenance ensures the longevity and performance of your GOODSON Liner Removal Tool:

- Cleaning:** After each use, clean the tool thoroughly to remove any oil, grease, or debris. Use a mild solvent if necessary, and wipe dry.
- Inspection:** Regularly inspect the tool for signs of wear, bending, or damage. Pay close attention to the gripping end.
- Storage:** Store the tool in a dry environment to prevent rust. A tool roll or box is recommended to protect it from impacts.
- Lubrication:** A light coat of rust-preventative oil can be applied to the tool if it will be stored for an extended period.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions:

Issue	Possible Cause	Solution
Tool slips during removal	Improper engagement; worn tool end; excessive force	Ensure tool is fully seated and engaged. Inspect tool for wear; replace if necessary. Apply steady, controlled force.
Liner does not move	Liner seized; insufficient lubrication; incorrect tool size	Apply penetrating lubricant and allow time to work. Verify tool size matches liner. Consider alternative removal methods if necessary.
Tool appears bent or damaged	Over-application of force; improper use	Discontinue use immediately. Replace the tool. Review operating instructions.

7. SPECIFICATIONS

- **Model:** CL-7340
- **Brand:** GOODSON
- **Tool Size:** 3/8 inch
- **Item Weight:** 2.88 ounces
- **Manufacturer:** GOODSON
- **ASIN:** B0009RM52K

8. WARRANTY AND SUPPORT

GOODSON products are manufactured to high-quality standards. For specific warranty details, please refer to the documentation included with your purchase or visit the official GOODSON website. For technical support or inquiries, please contact GOODSON customer service.

Note: Warranty terms may vary based on region and purchase date. Proof of purchase may be required for warranty claims.

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