

Lyman 7770075

Lyman Accu-Prime Manual Bench Priming Tool Instruction Manual

Model: 7770075

INTRODUCTION

This manual provides detailed instructions for the safe and effective use, setup, operation, maintenance, and troubleshooting of your Lyman Accu-Prime Manual Bench Priming Tool. Please read this manual thoroughly before operating the tool to ensure proper function and longevity.

SAFETY INFORMATION

Always wear appropriate eye protection when operating this tool. Keep fingers clear of moving parts. Ensure the tool is securely mounted before use. Store primers and ammunition components safely and according to manufacturer guidelines.

PACKAGE CONTENTS

Verify that all components are present upon unboxing:

- Lyman Accu-Prime Bench Priming Tool assembly
- Small primer punch
- Large primer punch
- Small primer tray
- Large primer tray
- Mounting hardware (screws)
- Instruction Manual (this document)



Image: The Lyman Accu-Prime Manual Bench Priming Tool, showing its robust construction and how a brass case is positioned for priming.

SETUP

1. Mounting the Tool:

Select a sturdy workbench or surface for mounting. Position the Accu-Prime tool and mark the locations for the two mounting screws. Drill pilot holes if necessary. Securely fasten the tool to the workbench using the provided mounting hardware. Ensure the tool is stable and does not wobble during operation.



Image: The Accu-Prime tool securely mounted to a surface, highlighting the lever mechanism and base plate.

2. Selecting the Correct Primer Punch and Tray:

The Accu-Prime tool comes with both small and large primer punches and trays. Identify the size of the primers you will be seating (Small Pistol/Rifle or Large Pistol/Rifle). Insert the corresponding primer punch into the tool's ram. Place the correct primer tray onto the tool's base, ensuring it clicks into place.



Image: A close-up view of the Accu-Prime's top mechanism, illustrating where the primer punch is inserted and the primer tray attaches.

OPERATING INSTRUCTIONS

1. Loading Primers:

Pour a small quantity of primers into the selected primer tray. Gently shake the tray to orient the primers anvil-side up. The tray is designed to automatically feed primers into the priming mechanism.



Image: The Accu-Prime tool set up on a workbench, demonstrating the typical reloading environment with primers and brass cases ready for processing.

2. Priming a Case:

Place a clean, decapped brass case onto the shell holder. Ensure the case is seated firmly. Slowly lower the operating lever. As the lever descends, a primer will be picked up from the tray and seated into the primer pocket of the case. Apply steady, even pressure until the primer is fully seated. You should feel a distinct "bottoming out" sensation, indicating the primer is flush or slightly below the case head.



Image: A detailed view of the priming process, showing a brass case being precisely primed by the Accu-Prime tool.

3. Inspecting Primers:

After seating, remove the case and visually inspect the primer. It should be seated squarely and to the correct depth. An improperly seated primer can lead to misfires or other safety issues.

MAINTENANCE

- **Cleaning:**

Regularly clean the tool to remove primer residue and other debris. Use a soft cloth and a mild solvent if necessary. Ensure all moving parts are free of obstructions.

- **Lubrication:**

Apply a light coat of gun oil or similar lubricant to the pivot points and ram of the tool periodically to ensure smooth operation. Avoid over-lubrication, which can attract dirt.

- **Storage:**

When not in use, store the Accu-Prime tool in a clean, dry environment to prevent rust and corrosion. It is recommended to remove primer trays and punches for separate storage.

Note: The product's general care instructions mention "Hand Wash Only". For this metal tool, interpret this as cleaning with care using appropriate solvents and cloths, avoiding submersion in water.

TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Primer not seating fully or crooked	Incorrect primer size Dirty primer pocket Insufficient pressure Damaged primer punch	Verify primer size matches case. Clean primer pocket thoroughly. Apply more consistent pressure. Inspect and replace punch if damaged.
Primers not feeding from tray	Incorrect tray size Primers not oriented correctly Tray or mechanism dirty	Ensure correct tray for primer size. Gently shake tray to orient primers anvil-side up. Clean tray and feeding mechanism.
Tool feels stiff or gritty	Lack of lubrication Accumulated debris	Clean and lubricate moving parts. Inspect for foreign objects.

SPECIFICATIONS

- **Model Number:** 7770075
- **Manufacturer:** Lyman
- **Product Type:** Manual Bench Priming Tool
- **Compatibility:** Small and Large Pistol/Rifle Primers
- **Dimensions (Approximate):** 7 x 5 x 2 inches (Package Dimensions)
- **Weight (Approximate):** 1 Pound (Package Weight)
- **Material:** Durable metal construction
- **Origin:** Made in the USA or Imported

WARRANTY INFORMATION

Lyman products are manufactured to high standards and are warranted against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Lyman website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, replacement parts, or further inquiries, please contact Lyman Customer Service. Contact information can typically be found on the official Lyman website or on the product packaging.

Lyman Official Website: www.lymanproducts.com