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Lee Precision 90672

Lee Precision Pro 1000 Progressive Press Kit User Manual

Model: 90672

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Lee Precision Pro 1000 Progressive Press Kit. Please read this manual thoroughly before operating the press. Proper understanding and adherence to these instructions will ensure optimal performance and safety.

The Lee Pro 1000 progressive press is designed for efficient reloading, allowing for a loaded cartridge with each pull of the lever. It features automatic operations for primers and powder, which are fed only when a case is present, enhancing safety. An alternate loading sequence is available for fine adjustments or single-case loading, making it suitable for both beginners and experienced reloaders.

SAFETY INFORMATION

WARNING:

- Always wear appropriate eye protection when operating the press.
- Ensure proper ventilation when handling primers and powder.
- Keep all reloading components and equipment out of reach of children.
- Only use CCI or Remington primers with this priming system. Other primers may not function safely.
- Never force components. If resistance is met, stop and investigate the cause.
- Refer to reputable reloading manuals for specific load data and safety practices.

SETUP

Unpacking and Inspection

Carefully unpack all components of your Lee Pro 1000 Progressive Press Kit. Verify that all parts listed in the packing list are present and undamaged. If any parts are missing or damaged, contact Lee Precision customer support immediately.

Mounting the Press

The press features three mounting holes for secure attachment to a sturdy workbench. Use appropriate bolts and washers (not included) to firmly secure the press. Ensure the mounting surface is stable and can withstand the forces exerted during operation.

Component Installation

1. **Die Set Installation:** Install the caliber-specific carbide 3-die set into the press turret. Ensure dies are properly adjusted according to the instructions provided with the die set.
2. **Auto-Drum Powder Measure:** Attach the auto-drum powder measure. Calibrate the powder measure for the specific powder and charge weight you intend to use.
3. **Pro 1000 Primer Attachment:** Install the primer attachment system. Ensure the primer feed mechanism is correctly aligned and functioning. Remember to only use CCI or Remington primers.
4. **Case Feeder Attachment:** Attach the case feeder with its tubes. Load cases into the tubes, ensuring they are oriented correctly.
5. **Shell Plate:** Install the appropriate shell plate for your cartridge.
6. **Roller Handle:** The kit comes with a roller handle upgrade. Attach the handle to the press ram.

For detailed visual instructions on setup, refer to the official Lee Precision website or instructional videos.

OPERATING THE PRESS

The Lee Pro 1000 is a progressive press, meaning multiple operations occur simultaneously with each stroke of the handle. The process typically involves sizing/depriming, powder charging/flaring, and bullet seating/crimping in a continuous cycle.

Basic Operation Sequence

1. Ensure all components (cases, primers, powder, bullets) are loaded into their respective feeders or ready for manual placement.
2. Place an empty, unprimed case into the first station (sizing/depriming).
3. Pull the ambidextrous handle down completely, then raise it. This action will advance the shell plate and perform operations at each station.
4. As the shell plate advances, place a bullet onto the charged case at the appropriate station.
5. Continue pulling the handle down and raising it. A finished cartridge will be ejected with each full cycle once the press is fully loaded with cases.

Alternate Loading Sequence (Single Case)

For fine adjustments or to load a single case at a time, you can manually advance the shell plate or remove cases from stations as needed. This allows for step-by-step observation of each operation.

Caliber Changeover

To change calibers, an extra turret and the appropriate shell plate carrier (sold separately) are required. Remove the current turret and shell plate, then install the new ones. Re-adjust dies and powder measure for the new caliber.

MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Lee Pro 1000 press.

- **Cleaning:** Periodically clean the press, especially around the shell plate and ram, to remove powder residue, primer dust, and other debris. Use a soft brush or cloth.
- **Lubrication:** Apply a light coat of machine oil to moving parts, such as the ram and linkage, as needed. Avoid over-lubrication, which can attract dirt.
- **Primer System:** Keep the primer feed system clean and free of obstructions.
- **Die Maintenance:** Clean and inspect your dies regularly. Carbide dies require less lubrication for cases but should still be kept clean.
- **Storage:** When not in use, store the press in a clean, dry environment to prevent rust and corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Primer not feeding	Incorrect primer type; primer tray empty; primer feed mechanism obstructed or misaligned.	Ensure only CCI or Remington primers are used. Refill primer tray. Clean and align primer feed.
Powder not dispensing	Powder hopper empty; auto-drum measure clogged; incorrect powder type for measure.	Refill powder hopper. Clear any clogs. Ensure powder is suitable for auto-drum measure.
Case not advancing	Shell plate misaligned; debris under shell plate; case feeder jammed.	Check shell plate alignment. Clean under shell plate. Clear case feeder jam.
Difficulty with handle operation	Lack of lubrication; dies set too deep; foreign object in press.	Lubricate moving parts. Adjust dies. Inspect for and remove any obstructions.

SPECIFICATIONS

Model: Lee Pro 1000 Progressive Press Kit

Part Number: 90672 (Note: Product title indicates 90682, but specifications list 90672 as model number)

Cartridge (Included Kit): .40 S&W

Frame Material: Steel and Cast Aluminum

Press Type: Progressive Press

Priming Feature: Yes (Integrated Pro 1000 primer attachment)

Handle Location: Ambidextrous

Number of Mounting Holes: 3

Die Size Accepted: Standard 7/8"-14 threaded dies

Die Bushing Accepted: No

Mounting Hardware Included: No

Ram Stroke: 3.5 inches

Included Components: Caliber specific die set (carbide 3-Die sets), Auto-Drum powder measure, Pro 1000 primer attachment, Case feeder attachment with tubes, Appropriate shell plate, Roller handle upgrade.

Item Package Dimensions L x W x H: 12.91 x 4.09 x 1.73 inches (Note: This dimension is for a related component, a bullet mold, not the full press kit)

Package Weight: 0.55 Kilograms (Note: This weight is for a related component, a bullet mold, not the full press kit)

Material (Bullet Mold): Stainless Steel

UPC: 734307906726

Note: Some specifications like package dimensions and weight appear to be for a related component (bullet mold) rather than the full press kit, based on the provided data.

RELATED COMPONENTS AND TOOLS

While this manual focuses on the Pro 1000 Progressive Press Kit, reloading often involves various specialized tools. Below is an example of a bullet mold, a tool used to cast lead bullets, which can be used in conjunction with your reloading press.



Image Description: A silver-colored, multi-cavity bullet mold from Lee Precision, shown open. It features multiple bullet cavities for casting several projectiles simultaneously. The mold has a black handle with a wooden grip, used to open and close the mold and to cut off the sprue (excess lead). This tool is used to produce cast lead bullets, which can then be loaded using a progressive press like the Pro 1000.

WARRANTY AND SUPPORT

Lee Precision products are known for their quality and durability. For specific warranty information, please refer to the documentation included with your product or visit the official Lee Precision website. For technical support, parts, or service, contact Lee Precision customer service directly.

Manufacturer: ACK LLC (as per provided data, though product is Lee Precision brand)

Brand: Lee Precision

Website: www.leeprecision.com (Example link, actual link not provided in data)