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› Lee Precision Pro 1000 Progressive Press Kit User Manual

Lee Precision 90682

Lee Precision Pro 1000 Progressive Press Kit User Manual

Model: 90682

Brand: Lee Precision

1. INTRODUCTION

The Lee Pro 1000 Progressive Press Kit is engineered to streamline the ammunition reloading process. This progressive press allows for the production of loaded cartridges with each complete cycle of the operating lever, automating key steps such as priming and powder dispensing. It is designed for efficiency and ease of use, catering to both novice and experienced reloaders.



An image showing the Lee Precision Pro 1000 Progressive Press Kit, featuring the red powder hopper, clear case feeder tubes, and the operating handle with a wooden grip.

2. SAFETY INFORMATION

Always prioritize safety when operating reloading equipment. Read and understand all instructions before use. Wear appropriate personal protective equipment, including eye and ear protection.

- **Primer Compatibility:** Lee Precision recommends using only CCI or Remington primers with this priming system. Other primer brands may not function safely or reliably.
- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Handle with care and ensure proper ventilation.

3. COMPONENTS INCLUDED

Your Lee Pro 1000 Progressive Press Kit for .40 S&W includes the following main components:

- Caliber-specific Carbide 3-Die Set
- Auto-Drum Powder Measure
- Pro 1000 Primer Attachment
- Case Feeder Attachment with Tubes
- Appropriate Shell Plate for .40 S&W
- Roller Handle Upgrade

4. SETUP

Proper setup is crucial for safe and efficient operation. While this manual provides general guidance, detailed setup instructions are best followed using the official Lee Precision documentation and instructional videos available online.

1. **Mounting the Press:** Securely mount the press to a sturdy workbench using the three designated mounting holes. Ensure the press is stable and does not wobble during operation.
2. **Die Installation:** Install the caliber-specific dies into the turret. Refer to the die set instructions for proper adjustment and seating depth.
3. **Powder Measure Setup:** Attach and calibrate the Auto-Drum Powder Measure according to the powder manufacturer's recommendations and your desired charge weight.
4. **Primer System Installation:** Install the Pro 1000 Primer Attachment. Ensure the primer feed system is correctly aligned and functioning smoothly.
5. **Case Feeder Assembly:** Assemble the case feeder attachment and tubes. Ensure cases feed freely into the shell plate.
6. **Roller Handle:** The included roller handle upgrade provides improved ergonomics and leverage during operation.

For changing calibers, an extra turret and the appropriate shell plate carrier (sold separately) are required. Consult online resources and videos for visual setup guides, as they can greatly assist in the initial configuration.

5. OPERATING INSTRUCTIONS

Once the press is set up and calibrated, operation is designed to be straightforward:

- **Loading Sequence:** With each pull of the operating lever, the press cycles through the reloading stages. Simply add a bullet to the case at the appropriate station, and the press will perform the remaining operations automatically.
- **Automated Safety:** Primers and powder are dispensed only when a case is present in the shell plate, enhancing safety during the reloading process.
- **Alternate Loading:** For fine adjustments, experimentation, or learning, the press supports an alternate loading sequence that allows for processing only one case at a time. This can be beneficial for initial setup and

troubleshooting.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your Lee Pro 1000 press:

- **Cleaning:** Periodically clean the press, especially around the primer and powder dispensing areas, to prevent buildup of residue. Use a soft cloth and appropriate cleaning solutions.
- **Lubrication:** Apply a light coat of lubricant to moving parts and pivot points as recommended by Lee Precision to ensure smooth operation and prevent wear.
- **Inspection:** Regularly inspect all components for wear, damage, or loose fasteners. Tighten any loose bolts or screws.

7. TROUBLESHOOTING

While the Lee Pro 1000 is a reliable press, some common issues may arise. Many can be resolved with minor adjustments or understanding of the system:

- **Primer Feed Issues:** The gravity-fed primer system may experience issues if the primer tray runs too low or if primers are not consistently aligned. Ensure the tray is adequately filled and the system is clean.
- **Case Feeder Jams:** On the first and last brass in the feed tube, cases may tip or jam the press. Ensure proper alignment and consider a case collator for smoother feeding. The case feeder bar may also come loose; ensure it is securely fastened.
- **Powder Measure Inconsistencies:** Ensure the Auto-Disk powder measure is oriented correctly; it is not symmetrical and will not throw charges properly if backwards. The ball chain return mechanism can be prone to breaking; some users replace it with a spring from a ballpoint pen for improved durability. Monitor charges, as a small percentage may be low.
- **Overall Length (OAL) Variation:** If experiencing inconsistent OAL, inspect the seating die and ensure it is properly adjusted. Lee seating dies may require careful setup for precision.
- **General Operation:** The press may require some tinkering and fine-tuning to achieve optimal performance. Refer to online instructional videos and user forums for detailed setup and troubleshooting tips.

8. SPECIFICATIONS

Feature	Specification
Cartridge	.40 S&W
Frame Material	Steel and Cast Aluminum
Press Type	Progressive Press
Priming Feature	Yes
Handle Location	Ambidextrous
Number of Mounting Holes	3
Die Size Accepted	Standard 7/8"-14 threaded dies
Die Bushing Accepted	No

Ram Stroke	3.5"
Item Weight	0.3 Kilograms (Product only) / 12.6 Pounds (Package)
Dimensions (LxWxH)	20 x 13 x 7 inches (Item) / 18.8 x 10.5 x 6.3 inches (Package)

9. WARRANTY

The Lee Precision Pro 1000 Progressive Press Kit is covered by a **2 Year Factory Warranty**. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the official Lee Precision website or contact their customer service.

10. SUPPORT

For technical assistance, parts inquiries, or further information regarding your Lee Precision Pro 1000 Progressive Press Kit, please contact Lee Precision directly. Their official website often provides extensive resources, including FAQs, setup videos, and contact details for customer support.

Manufacturer: Sportsman Supply Inc.

Brand: Lee Precision

Model Name: 90682

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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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