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Lee Precision 90183

Lee Precision 90183 Load Master Progressive Press Kit User Manual

Model: 90183

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Lee Precision 90183 Load Master Progressive Press Kit. The Load Master is a versatile reloading press designed for both rifle and handgun cartridges, offering ample clearance for large magnum rifle cases. It can function as an automatic indexing progressive press or as a single-stage press. The press features five stations that accommodate most popular reloading dies, which are held by a detachable turret for easy removal and reinsertion without requiring adjustment. This kit includes the press, carrier, and a five-hole turret. Please note that dies and shell plates are sold separately.

2. SAFETY INFORMATION

Reloading ammunition involves inherent risks. Always follow established safety procedures and wear appropriate personal protective equipment, including eye protection. Keep all reloading components and equipment out of reach of children. Read and understand all instructions before operating the press. This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

- Always wear safety glasses.
- Ensure proper ventilation when handling primers and powders.
- Never force components.
- Keep your work area clean and organized.
- Consult reputable reloading manuals for specific load data and procedures.

3. PRODUCT OVERVIEW



Figure 1: Lee Precision 90183 Load Master Progressive Press Kit. This image displays the red-colored progressive reloading press with its various components, including the powder measure, five-station turret, and operating handle.

The Lee Load Master Progressive Press is constructed from durable materials including steel, cast aluminum, and polymer, ensuring robust performance. Its O-frame design provides stability during operation. Key features include:

- **Press Type:** Progressive Press
- **Frame Material:** Steel, Cast Aluminum, Polymer
- **Handle Location:** Bottom Right
- **Number of Stations:** 5

- **Die Size Accepted:** 7/8"-14 Threaded Dies
- **Ram Stroke:** 3-3/4"
- **Priming Feature:** Automatic (Sold Separately)

4. SETUP

4.1 Mounting the Press

1. Select a sturdy workbench or mounting surface capable of withstanding the forces of reloading.
2. Position the press and mark the locations for the three mounting holes.
3. Drill appropriate pilot holes for your mounting hardware (not included).
4. Securely fasten the press to the workbench using bolts, washers, and nuts. Ensure the press is stable and does not wobble during operation.

4.2 Installing Dies and Shell Plate

Dies and shell plates are essential for reloading and are sold separately. Refer to the specific instructions provided with your dies and shell plate for proper installation and adjustment. The detachable five-hole turret allows for quick changes of die sets without re-adjustment.

5. OPERATING INSTRUCTIONS

The Lee Load Master can be operated in two primary modes: as an automatic indexing progressive press or as a single-stage press.

5.1 Progressive Operation

In progressive mode, each pull of the operating handle advances the shell plate and performs a different reloading step at each of the five stations simultaneously. This allows for high-volume production of ammunition. Consult your specific die instructions for setting up each station (e.g., sizing, decapping, priming, powder charging, bullet seating, crimping).

5.2 Single-Stage Operation

For lower volume or more precise work, the press can be used in single-stage mode. This involves performing one operation on all cases before moving to the next operation. This mode is often preferred for load development or when specific attention is required for each step.

5.3 Priming System

The automatic priming feature is sold separately. If you have purchased and installed the automatic priming system, refer to its dedicated instructions for safe and correct operation. Ensure primers are loaded correctly and handled with care.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your Load Master press.

- **Cleaning:** After each reloading session, clean the press to remove powder residue, spent primers, and other debris. Use a soft cloth and a suitable cleaning agent that will not harm the press materials.
- **Lubrication:** Periodically apply a light coat of machine oil to moving parts, such as the ram and linkage, to ensure smooth operation. Avoid over-lubrication, which can attract dirt.
- **Inspection:** Regularly inspect all components for wear, damage, or loose fasteners. Tighten any loose bolts and replace worn parts as necessary.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. For complex problems, consult a comprehensive reloading manual or contact Lee Precision customer support.

- **Sticking Ram:** Ensure the ram is clean and lightly lubricated. Check for any obstructions in the ram's path.
- **Inconsistent Operations:** Verify that the press is securely mounted and all dies are properly adjusted and tightened. Check for consistent shell plate indexing.
- **Priming Issues (if automatic primer installed):** Refer to the specific instructions for your priming system. Ensure primers are correctly oriented and the primer feed is clear of debris.
- **Powder Measure Inconsistencies:** Ensure the powder measure is clean and properly adjusted for the specific powder and charge weight.

8. SPECIFICATIONS

Feature	Specification
Press Type	Progressive Press
Auto Index	Yes
Number of Stations	5
Frame Material	Steel, Cast Aluminum, Polymer
Frame Design	O-Frame
Handle Location	Bottom Right
Die Size Accepted	7/8"-14 Threaded Dies
Die Bushing Accepted	No, Replaceable Turrets
Spent Primer Collection System	Built In
Ram Stroke	3-3/4"
Ram Diameter	1-3/4"
Priming Feature	Automatic (Sold Separately)
Number of Mounting Holes	3
Item Weight	6.6 Pounds
Material	Polypropylene
Part Number	90183
Included Components	Press Kit
Date First Available	June 11, 2012

9. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official documentation included with your product or visit the Lee Precision website. For technical support, parts, or service inquiries, please contact Lee Precision directly

through their official customer service channels.