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Lee Precision 90768

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Model: 90768

1. PRODUCT OVERVIEW

The Lee Precision 8-mm Lebel 2 Die Set is a limited production reloading die set designed for the 8MM Lebel cartridge. This set provides the essential tools for reloading, ensuring precision and consistency in your ammunition. It is suitable for sporting goods applications, particularly hunting.

The complete set includes:

- Full Length Sizing Die
- Bullet Seating Die
- Universal Shell Holder
- Powder Dipper
- Instructions/Load Data



Figure 1.1: The Lee Precision 8-mm Lebel 2 Die Set, showcasing the full length sizing die, bullet seating die, universal shell holder, and powder dipper, all neatly organized within its red storage case.

2. SETUP AND INSTALLATION

Before beginning any reloading process, ensure your reloading press is securely mounted and clean. Always follow safety guidelines for reloading.

2.1. Preparing the Dies

1. **Clean the Dies:** Before first use, thoroughly clean both the Full Length Sizing Die and the Bullet Seating Die to remove any manufacturing oils or debris. Use a clean cloth and a suitable solvent, then dry completely.
2. **Lubricate (if necessary):** While Lee dies are often designed for minimal lubrication, refer to the specific instructions included with your set for any recommended lubrication points, especially for the sizing die.

2.2. Installing the Full Length Sizing Die

1. Screw the Full Length Sizing Die into the top of your reloading press until it just touches the shell holder when the ram is at its highest point.
2. Lower the ram and turn the die in approximately 1/4 to 1/2 turn more. This provides a slight "cam-over" action, ensuring full sizing of the case.
3. Tighten the die's lock ring against the press to secure its position.
4. Insert the decapping pin assembly into the die and adjust its height so that it decaps the spent primer without excessive force.

2.3. Installing the Bullet Seating Die

1. Screw the Bullet Seating Die into an empty station on your press.
2. Raise the ram with a charged, primed case (without a bullet) in the shell holder until it is fully inserted into the die.
3. Screw the die body down until it contacts the case mouth.
4. Back the die body out one full turn.
5. Place a bullet on the case mouth and raise the ram. Adjust the bullet seating stem down until the bullet is seated to the desired overall length (OAL). Refer to your load data for the correct OAL.
6. If your die includes a crimping feature, adjust the die body further down to apply the desired crimp after the bullet is seated.
7. Tighten the die's lock ring.

3. OPERATING INSTRUCTIONS

This section outlines the general steps for reloading ammunition using your Lee Precision 2-Die Set. Always consult reputable reloading manuals for specific load data and safety procedures.

3.1. Case Preparation

1. **Deprime and Size:** Place a spent case in the shell holder and raise the ram into the Full Length Sizing Die. This action will remove the spent primer and resize the case to its original dimensions.
2. **Clean Primer Pocket:** After sizing, clean the primer pocket to ensure proper primer seating.
3. **Trim Cases:** Inspect cases for length. If they exceed the maximum allowable length, trim them back to the specified trim-to length.
4. **Chamfer and Deburr:** Chamfer the inside and deburr the outside of the case mouth after trimming to facilitate bullet seating.

3.2. Priming

Seat a new primer into the cleaned primer pocket. Ensure the primer is seated flush or slightly below the case head. Do not force primers.

3.3. Powder Charging

Use the included Powder Dipper or a precise powder measure to charge the case with the correct type and amount of powder as specified by your load data. Double-check powder charges to prevent over or under-charging.

3.4. Bullet Seating and Crimping

1. Place a bullet on the mouth of the charged case.
2. Raise the ram into the Bullet Seating Die. The die will seat the bullet to the pre-set overall length.
3. If your die is set up for crimping, the final portion of the ram's upward stroke will apply the crimp.
4. Remove the completed cartridge and inspect it for proper OAL, bullet concentricity, and crimp.

4. MAINTENANCE

Proper maintenance will extend the life of your Lee Precision dies and ensure consistent performance.

- **Cleaning:** After each reloading session, wipe down the dies with a clean, dry cloth to remove any powder residue or case lube. Periodically, disassemble the dies (if applicable) and clean internal components with a non-corrosive solvent.
- **Lubrication:** Apply a light coat of rust preventative oil to the exterior surfaces of the dies, especially if storing them in a humid environment. Avoid excessive lubrication on internal surfaces that contact cases or bullets.
- **Storage:** Store your dies in their original red plastic case in a dry, temperature-controlled environment to prevent rust and damage.

5. TROUBLESHOOTING

Here are some common issues encountered during reloading and potential solutions:

- **Stuck Case in Sizing Die:**
 - Ensure cases are properly lubricated before sizing.
 - If a case is stuck, do not force it. Consult Lee Precision's instructions or online resources for safe removal methods.
- **Inconsistent Overall Length (OAL):**
 - Check that the bullet seating stem is securely locked.
 - Ensure consistent case length (trimming is crucial).
 - Verify that bullets are uniform in length and base-to-ogive measurement.
- **Poor Crimp:**
 - Adjust the bullet seating die body slightly down to increase crimp.
 - Ensure cases are trimmed to the correct length.
- **Decapping Pin Bending/Breaking:**
 - Check for off-center flash holes or military crimped primers.
 - Ensure the decapping pin is properly adjusted and not extending too far.

6. SPECIFICATIONS

Attribute	Value
Product Type	Sporting Goods
Country Of Origin	United States
Item Package Weight	0.55 Pounds (approx. 0.25 kg)
Item Package Dimensions (L x W x H)	4.6 x 3.3 x 1.4 inches (approx. 11.68 x 8.38 x 3.56 cm)
Item Weight	0.1 Kilograms
Item Dimensions (L x W x H)	5.08 x 3.9 x 0.67 inches
Brand Name	Lee Precision
Manufacturer	ACK, LLC
Part Number (Model)	90768
Model Year	2012
Sport Type	Hunting
ASIN	B00162NYNG
Date First Available	September 9, 2008

7. WARRANTY AND SUPPORT

Lee Precision products are known for their quality and durability. For specific warranty information, product support, or to inquire about replacement parts, please refer to the documentation included with your product or visit the official Lee Precision website.

Legal Disclaimer: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle with care and follow all safety precautions.

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

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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