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Caldwell 101600

Caldwell Matrix Adjustable Shooting Rest

Instruction Manual

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1. INTRODUCTION

The Caldwell Matrix Shooting Rest is designed to provide a stable platform for both rifles and handguns, enhancing precision during shooting activities such as sighting in or target practice. Its versatile design features an ultra-rigid U-channel frame that adjusts in length to accommodate various firearm sizes. The rest also includes a convenient storage area and a removable rear support for handgun use.



Figure 1: Top view of the Caldwell Matrix Shooting Rest.

2. SETUP

The Caldwell Matrix Shooting Rest requires minimal assembly. Follow these steps to prepare your rest for use:

1. **Unpack Components:** Remove all parts from the packaging. Ensure the main frame, front support, rear support, and adjustment knobs are present.
2. **Assemble Front and Rear Sections:** The shooting rest consists of two main sliding frame pieces. Align the front and rear sections.
3. **Secure Adjustment Knobs:** Insert and tighten the two adjustment knobs located on the side of the rest to secure the sliding frame in place. These knobs allow for length adjustment.
4. **Verify Stability:** Once assembled, ensure all components are securely fastened and the rest is stable on a flat surface.



Figure 2: Overview of the Caldwell Matrix Shooting Rest, highlighting its adjustable nature.

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Video 1: This video demonstrates the assembly and basic features of the Caldwell Matrix Shooting Rest, including its adjustable length and elevation system.

3. OPERATING INSTRUCTIONS

3.1. Using with a Rifle

1. **Place Rifle:** Position your rifle securely in the front and rear cradles of the rest. Ensure the firearm is unloaded and pointed in a safe direction.
2. **Adjust Length:** Loosen the side adjustment knobs to slide the front and rear sections, adjusting the overall length to fit your rifle. Tighten the knobs once the desired length is achieved. The rest offers 4.5 inches of overall length adjustment.
3. **Adjust Elevation:** Use the innovative spring-loaded elevation system to adjust the height of the front support. This allows for fast, one-handed, and wobble-free adjustments to align your shot.
4. **Stabilize:** Ensure the rifle is stable and level before firing. The rest is designed to provide a solid shooting platform.



Figure 3: A user demonstrating proper rifle placement and use of the shooting rest.

3.2. Using with a Handgun

The Caldwell Matrix Shooting Rest offers versatility for handgun use:

1. **Remove Rear Section:** The rear portion of the rest can be removed. This allows the front rest to be used independently for handguns.
2. **Utilize Storage Area:** The convenient storage area incorporated into the front of the base has a removable lid that doubles as a rubberized rear support for firing handguns.
3. **Position Handgun:** Place your handgun on the front rest, using the rubberized lid from the storage area as a rear support for stability.
4. **Adjust as Needed:** Make any necessary elevation adjustments using the front support mechanism.



Figure 4: A pistol positioned on the Caldwell Matrix Shooting Rest, demonstrating handgun support.

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Video 2: This video illustrates the versatility of the Caldwell Matrix Shooting Rest, showing its use with both rifles and pistols, and highlighting the quick adjustment features.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Caldwell Matrix Shooting Rest, follow these maintenance guidelines:

- **Cleaning:** After each use, wipe down the rest with a damp cloth to remove any dirt, dust, or residue. Avoid using harsh chemicals that may damage the plastic or rubber components.
- **Storage:** Store the shooting rest in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect all moving parts, knobs, and cradles for any signs of wear or damage. Ensure all fasteners are tight.
- **Lubrication:** Lightly lubricate any moving metal parts, such as the elevation screw, with a silicone-based lubricant if movement becomes stiff.

5. TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Rest is unstable:** Ensure all adjustment knobs are fully tightened. Verify the rest is placed on a flat, stable surface.
- **Difficulty adjusting length:** Loosen the side adjustment knobs completely before attempting to slide the sections. Clean any debris from the sliding channels.
- **Difficulty adjusting elevation:** Ensure the elevation knob is not overtightened. Check for any obstructions

in the elevation mechanism. Apply a small amount of lubricant if necessary.

- **Firearm slipping in cradles:** Ensure the firearm is properly seated in the rubberized cradles. Clean the cradles if they are dirty or oily, as this can reduce grip.

6. SPECIFICATIONS

Feature	Detail
Model Number	101600
Dimensions (L x W x H)	19.7" x 16.5" x 6.9"
Item Weight	6.8 lbs (approx. 1 kg)
Material	Plastic (with Rubber grip material)
Color	Green
Length Adjustment	4.5 inches
Minimum Height	15 inches
Maximum Height	15 inches
Included Components	Shooting Rest

7. WARRANTY & SUPPORT

This Caldwell Matrix Shooting Rest is covered by a **Limited Lifetime Warranty** provided by Caldwell. For warranty claims, technical assistance, or any product-related inquiries, please contact Caldwell customer service directly.

For further information, you may visit the official Caldwell website or refer to the contact details provided with your product packaging.