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Browning BR1020 -UHF

Browning BR1020 -UHF Trunk Mount Instruction Manual

Model: BR1020 -UHF

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Browning BR1020 -UHF Trunk Mount. This product is designed to securely attach an antenna to a vehicle's trunk lid or similar surface, providing a stable platform for communication equipment. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. IMPORTANT SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, please refer to the manufacturer's official website or contact customer support.

- Always ensure proper grounding during installation to prevent electrical hazards.
- Do not overtighten mounting screws, as this may damage the vehicle surface or the mount.
- Verify that the antenna and mount are securely fastened before driving.

3. PACKAGE CONTENTS

The Browning BR1020 -UHF Trunk Mount package typically includes the following components:

- Browning BR1020 -UHF Trunk Mount assembly
- Coaxial cable (integrated)
- Mounting hardware (screws, washers)

Note: Antenna is sold separately.

4. SETUP AND INSTALLATION

Follow these steps to properly install your Browning BR1020 -UHF Trunk Mount:

1. **Select Mounting Location:** Choose a suitable location on your vehicle's trunk lid or hood lip. Ensure the surface is clean and free of obstructions. The mount is designed to fit surfaces up to 3/8" (10mm) thick.
2. **Prepare the Surface:** If necessary, gently clean the mounting area to ensure good electrical contact for grounding.

For painted surfaces, it may be necessary to lightly abrade the paint under the mounting screws to ensure a solid ground connection.

3. **Attach the Mount:** Position the stainless steel bracket onto the chosen edge. Secure the mount using the provided screws. Ensure the mount is firm and does not wobble. Do not overtighten.
4. **Connect the Antenna:** The mount features a chrome-plated solid brass NMO (New Motorola) connector with a gold contact pin. Carefully screw your NMO-compatible antenna onto the NMO connector until it is finger-tight. Do not use tools to overtighten the antenna.
5. **Route the Coaxial Cable:** Carefully route the integrated coaxial cable from the mount into the vehicle's interior. Ensure the cable is not pinched, kinked, or exposed to sharp edges that could damage the insulation. Use cable ties or clips to secure the cable along its path.
6. **Connect to Radio:** Connect the other end of the coaxial cable to your radio or communication device.



Figure 4.1: The Browning BR1020 -UHF Trunk Mount, illustrating the NMO connector for antenna attachment, the robust stainless steel bracket for secure vehicle mounting, and the integrated coaxial cable for signal transmission.

5. OPERATING INSTRUCTIONS

Once the Browning BR1020 -UHF Trunk Mount and antenna are securely installed and connected to your radio, operation is straightforward:

- Ensure all connections (mount to vehicle, antenna to mount, cable to radio) are tight and secure.
- Perform a Standing Wave Ratio (SWR) check on your antenna system to ensure optimal performance and prevent damage to your radio. Refer to your radio's manual for SWR measurement procedures.
- Operate your radio according to its manufacturer's instructions.

6. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your Browning BR1020 -UHF Trunk Mount, follow these maintenance guidelines:

- **Regular Inspection:** Periodically check the mount for any signs of wear, corrosion, or loosening of screws.
- **Cleaning:** Clean the mount and NMO connector with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or materials.
- **Connection Integrity:** Ensure the antenna connection to the NMO mount remains clean and free of debris. A poor

connection can lead to signal loss or increased SWR.

- **Cable Inspection:** Regularly inspect the coaxial cable for any cuts, kinks, or damage to the outer jacket. Replace if damage is found.

7. TROUBLESHOOTING

If you encounter issues with your Browning BR1020 -UHF Trunk Mount, consider the following:

- **Poor Signal / High SWR:**

- Check all connections: ensure the antenna is tightly screwed onto the NMO mount, and the coaxial cable is securely connected to the radio.
- Verify proper grounding: ensure the mount has a good electrical connection to the vehicle's chassis. Lightly abrading paint under mounting screws may be necessary.
- Inspect the coaxial cable for damage.
- Ensure the antenna itself is tuned correctly for the operating frequency.

- **Loose Mount:**

- Tighten the mounting screws, but do not overtighten.
- Ensure the mounting surface is appropriate and provides sufficient grip.

8. PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	BR1020 -UHF
Brand	Browning
Mount Type	Trunk Lip Mount
Connector Type	NMO (New Motorola)
Material	Stainless Steel Mount, Chrome-plated Solid Brass NMO
Contact Pin	Gold
Max Surface Thickness	Up to 3/8" (10mm)
Product Dimensions	6.25 x 5 x 1.5 inches
Item Weight	9.5 ounces
Impedance	50 Ohm

9. WARRANTY AND SUPPORT

For specific warranty information and customer support, please contact the manufacturer directly. Warranty details are subject to change and may vary by region.

You can visit the official Browning store for more product information:[Browning Store](#)

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