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Procomm JBC930

Procomm JBC930 3/8-24 Stud Mount Instruction Manual

Model: JBC930

Introduction

The Procomm JBC930 is a super extra heavy-duty 3/8-24 stud mount engineered for robust and reliable attachment of ham and CB radio antennas. Constructed from chrome-plated brass, this mount is designed to withstand significant antenna sizes and operate across all frequencies up to 20 KW, ensuring optimal performance for your radio communication system.

Safety Information

- Always ensure proper grounding of your antenna system to prevent electrical hazards and optimize performance.
- Avoid contact with live electrical components during installation and operation.
- Professional installation is recommended, especially for vehicle-mounted applications, to ensure secure attachment and proper electrical connections.
- Verify that all connections are tight and secure before operating your radio equipment.

Package Contents

Please verify that all components are present before beginning installation:

- 1 x Procomm JBC930 3/8-24 Stud Mount
- Insulator(s)
- Washers and Nuts (for mounting and connection)

Setup and Installation

Follow these steps for proper installation of your Procomm JBC930 stud mount:

1. **Select Mounting Location:** Choose a sturdy, flat surface for mounting. Ensure there is sufficient clearance for your antenna and coaxial cable.
2. **Prepare Mounting Surface:** If necessary, drill appropriate holes for the stud mount and any additional mounting hardware. Ensure the holes are clean and free of burrs.

3. **Assemble Stud Mount:** Insert the stud mount through the prepared hole. Place the insulator(s) as directed to ensure electrical isolation between the antenna's radiating element and the mounting surface. Secure with washers and nuts from the underside. Ensure the mount is firmly attached.
4. **Connect Antenna:** Screw your 3/8-24 threaded antenna onto the top of the stud mount. Hand-tighten first, then use a wrench to secure it firmly, but do not overtighten.
5. **Connect Coaxial Cable:** Attach your SO-239 compatible coaxial cable connector to the bottom of the stud mount. Ensure a tight and secure connection.
6. **Grounding:** Verify that the mounting surface provides a good electrical ground for your antenna system. Proper grounding is crucial for optimal performance and safety.



An image showing the various components of the Procomm JBC930 stud mount, including the main stud, insulator, washers, and nuts, ready for assembly.

Operating Principles

The Procomm JBC930 stud mount serves as the critical interface between your radio antenna and the coaxial cable leading to your radio. Its design ensures:

- **Secure Mechanical Connection:** Provides a stable base for even large and heavy antennas.
- **Electrical Continuity:** Facilitates efficient signal transfer from the antenna to the coaxial cable.
- **Impedance Matching:** Designed for 50 Ohm systems, crucial for minimizing signal loss and maximizing radio performance.
- **High Power Handling:** Capable of supporting up to 20 KW, suitable for a wide range of radio setups.

Maintenance

To ensure the longevity and optimal performance of your JBC930 stud mount, regular maintenance is recommended:

- **Regular Inspection:** Periodically inspect the mount for any signs of corrosion, wear, or damage, especially in harsh environments.
- **Clean Connections:** Keep the antenna threads and coaxial cable connection points clean. If oxidation occurs, gently clean with a non-abrasive brush.
- **Thread Lubrication:** To prevent threads from seizing, especially with stainless steel antennas, consider applying a small amount of dielectric grease or anti-seize compound to the antenna threads during installation or re-assembly.
- **Check Tightness:** Ensure all nuts and bolts remain tight. Vibrations, especially in mobile applications, can loosen connections over time.

Troubleshooting

If you experience issues with your antenna system, consider the following:

- **Poor Signal Transmission or Reception:**
  - Verify all coaxial cable connections are secure and free from corrosion.
  - Ensure the antenna is properly seated and tightened on the stud mount.
  - Check the insulator(s) for proper placement and integrity. An improperly seated or damaged insulator can cause the antenna to short circuit to ground, severely impacting performance.
  - Confirm that the mounting surface provides an adequate ground plane for the antenna.
- **Antenna Instability or Looseness:**
  - Re-tighten all mounting hardware, including nuts and washers securing the stud mount to the surface.
  - Inspect the stud mount for any physical damage or cracks that might compromise its structural integrity.

Specifications

Product Dimensions	3 x 1 x 3 inches (packaging), 8.75"L x 8.75"W x 8.75"H (overall)
Item Weight	0.353 ounces
Manufacturer	Procomm
Model Number	JBC930 (Amazon ASIN: B00R2ALRTE)
Brand	Procomm

Color	Silver
Impedance	50 Ohms
Maximum Range (Antenna Length)	Supports antennas up to 24 Inches (and larger, as per product description)
Antenna Thread	3/8-24
Coaxial Connector	SO-239
Power Handling	Up to 20 KW
UPC	020126336654

Warranty and Support

For warranty information or technical support regarding your Procomm JBC930 stud mount, please contact Procomm directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

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