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› Kuryakyn 4004 Light Bar Mounting Bracket User Manual

## Kuryakyn 4004

# Kuryakyn 4004 Light Bar Mounting Bracket User Manual

Model: 4004

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Kuryakyn 4004 Light Bar Mounting Bracket. This bracket is specifically designed for Yamaha Road Star motorcycles (excluding Warrior models) and is intended for use with Kuryakyn driving lightbars and Constellation driving lightbars.



**Figure 1:** The Kuryakyn 4004 Light Bar Mounting Bracket. This image shows the polished stainless steel bracket with its mounting holes and the lower support arms, designed to securely hold a light bar on a Yamaha Road Star motorcycle.

## SETUP AND INSTALLATION

Before beginning installation, ensure you have all necessary tools and that the motorcycle is stable and turned off. Refer to your motorcycle's service manual for specific procedures related to headlight or front end disassembly if required.

### Required Tools:

- Standard wrench set
- Socket set
- Torque wrench (recommended for proper fastener tightening)
- Protective eyewear

### Installation Steps:

1. **Preparation:** Park the motorcycle on a level surface and ensure it is stable. Disconnect the negative terminal of the battery to prevent electrical shorts during installation.

2. **Remove Existing Components:** Carefully remove any existing light bar or headlight mounting components that will be replaced by the Kuryakyn 4004 bracket. Note the position of all fasteners.
3. **Position the Bracket:** Align the Kuryakyn 4004 mounting bracket with the designated mounting points on your Yamaha Road Star. The bracket is designed to integrate with the motorcycle's existing frame or headlight assembly points.
4. **Secure the Bracket:** Insert the appropriate fasteners through the mounting holes of the bracket and into the motorcycle's frame. Hand-tighten all fasteners initially.
5. **Attach Light Bar (if applicable):** If installing a Kuryakyn driving lightbar or Constellation driving lightbar, attach it to the designated mounting points on the 4004 bracket using the provided hardware or the light bar's hardware.
6. **Final Tightening:** Once all components are correctly aligned, progressively tighten all fasteners to the manufacturer's recommended torque specifications. Avoid over-tightening.
7. **Reconnect Battery:** Reconnect the negative terminal of the battery.
8. **Test Functionality:** Turn on the motorcycle and test the functionality of the light bar to ensure proper operation and secure mounting.

**Note:** This bracket is designed for specific Kuryakyn light bars. Compatibility with other brands is not guaranteed.

## OPERATION

The Kuryakyn 4004 Light Bar Mounting Bracket serves as a fixed support structure for your Kuryakyn driving lightbar. Once properly installed, its operation is passive, providing a stable platform for the light bar. Ensure that the light bar itself is functioning correctly according to its own operational guidelines. Regularly inspect the bracket and its fasteners to ensure they remain secure, especially after riding on rough terrain or after extended periods of use. Loose fasteners can lead to vibration and potential damage to the light bar or the motorcycle.

## MAINTENANCE

- To ensure the longevity and appearance of your Kuryakyn 4004 Light Bar Mounting Bracket, follow these maintenance guidelines:
- **Cleaning:** Clean the stainless steel bracket regularly with a soft cloth and a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials that could scratch the finish.
  - **Inspection:** Periodically inspect the bracket for any signs of wear, damage, or corrosion. Pay close attention to the mounting points and welds.
  - **Fastener Check:** Check all mounting bolts and nuts for tightness at least once every 3 months or every 1,000 miles, whichever comes first. Re-tighten to specifications if necessary.
  - **Corrosion Prevention:** Although made of stainless steel, prolonged exposure to harsh elements (e.g., road salt, extreme humidity) can still affect its finish. Consider applying a protective wax or polish designed for stainless steel to maintain its luster.

## TROUBLESHOOTING

If you encounter issues with your Kuryakyn 4004 Light Bar Mounting Bracket, consider the following:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                               | Possible Cause                                                                                          | Solution                                                                                                                                                                                                                  |
|---------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Light bar vibrates excessively        | Loose mounting fasteners; thin metal (as noted in some reviews); improper installation.                 | Ensure all fasteners are tightened to specifications. Verify correct installation. If vibration persists and is due to material flex, consider adding rubber washers or dampeners (ensure they do not compromise safety). |
| Bracket does not fit correctly        | Incorrect motorcycle model (e.g., Yamaha Warrior); manufacturing variation; existing motorcycle damage. | Confirm your motorcycle is a Yamaha Road Star (excluding Warrior models). Double-check the part number. Contact Kuryakyn support if the issue persists.                                                                   |
| Corrosion or discoloration on bracket | Exposure to harsh chemicals or elements; lack of regular cleaning.                                      | Clean with appropriate stainless steel cleaner. Apply protective polish. For severe corrosion, replacement may be necessary.                                                                                              |

## SPECIFICATIONS

| Attribute                      | Detail                                                                               |
|--------------------------------|--------------------------------------------------------------------------------------|
| Brand                          | Kuryakyn                                                                             |
| Model Number                   | 4004                                                                                 |
| Manufacturer Part Number       | 4004                                                                                 |
| Material                       | Stainless Steel                                                                      |
| Product Dimensions (L x W x H) | 8 x 8 x 3 inches                                                                     |
| Item Weight                    | 8 ounces                                                                             |
| Compatibility                  | Yamaha Road Star (Excludes Warrior models)                                           |
| Intended Use                   | Mounting bracket for Kuryakyn driving lightbars and Constellation driving lightbars. |

## WARRANTY AND SUPPORT

For specific warranty information regarding your Kuryakyn 4004 Light Bar Mounting Bracket, please refer to the warranty documentation included with your purchase or visit the official Kuryakyn website. Warranty terms typically cover manufacturing defects.

If you require technical assistance or have questions not covered in this manual, please contact Kuryakyn customer support directly. Contact information can usually be found on their official website or on the product packaging.

**Kuryakyn Official Website:** [www.kuryakyn.com](http://www.kuryakyn.com)

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