

## busch+müller 903/3

# Busch & Müller Cycle Star 80 Short Bar Bicycle Mirror Instruction Manual

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your Busch & Müller Cycle Star 80 Short Bar Bicycle Mirror. Please read this manual thoroughly before use to ensure proper function and safety.

## SAFETY INFORMATION

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- Ensure the mirror is securely mounted before riding. A loose mirror can obstruct vision or fall off.
- Regularly check the mirror for damage or loose components. Do not use if damaged.
- While the mirror provides an enhanced view of traffic behind you, always perform a head check before changing lanes or turning.
- Clean the mirror surface with a soft cloth and mild cleaner to maintain clear visibility.

## PACKAGE CONTENTS

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- 1 x Busch & Müller Cycle Star 80 Short Bar Bicycle Mirror
- Mounting hardware (as included by manufacturer)

## SETUP AND INSTALLATION

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### Mounting Options

The Busch & Müller Cycle Star 80 mirror offers versatile mounting options to suit various handlebar configurations.

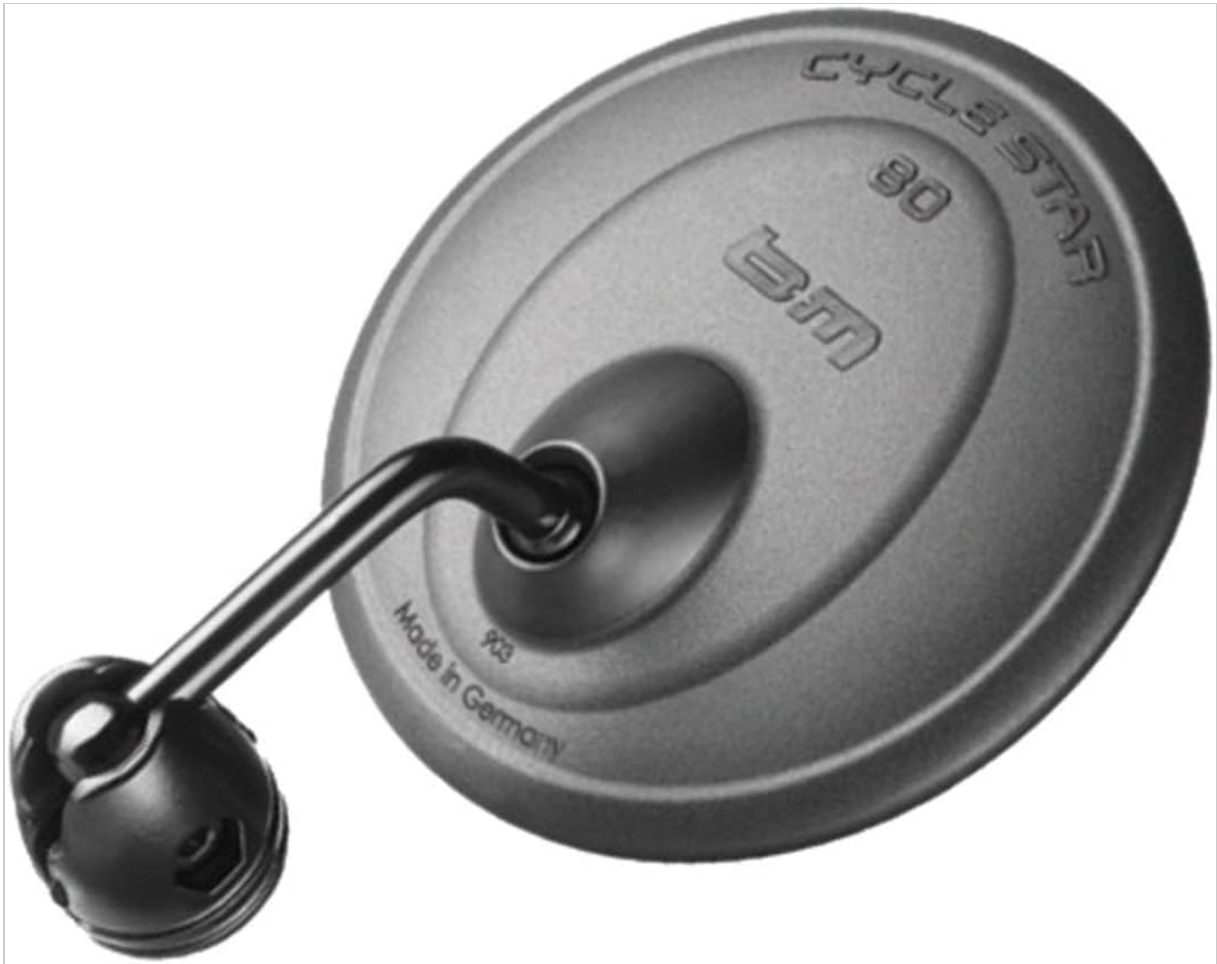


Figure 1: The Busch & Müller Cycle Star 80 Short Bar Bicycle Mirror. This mirror features an 80mm diameter convex lens for a wide field of view, a short arm, and a ball joint for adjustable positioning. It is designed for secure attachment to bicycle handlebars.



Figure 2: Side view of the mirror mounted on a bicycle handlebar. The short arm allows for a compact installation, typically near the handlebar grip or brake lever, providing a clear rear view without excessive protrusion.



Figure 3: Front view of the mirror installed on a bicycle. The mirror's position can be adjusted to optimize the rider's rearward visibility, ensuring it does not interfere with hand placement or controls.

## Installation Steps

1. **Choose Mounting Location:** Identify a suitable position on your handlebar. Common locations include near the grip, brake lever, or within the bend of drop handlebars. Ensure the chosen spot allows for clear rear visibility and does not obstruct your hands or other controls.
2. **Attach the Clamp:** Secure the mirror's clamp to the chosen handlebar location. Use the provided tool (if applicable) to tighten the screw until the clamp is firm and does not rotate freely. *Note: Some users have reported issues with plastic screws stripping. Exercise caution and do not overtighten.*
3. **Insert Mirror Arm:** If the mirror arm is separate, insert the ball joint end into the socket on the clamp. Apply firm, even pressure until it clicks into place. *If the ball and socket do not fit, ensure proper alignment and apply sufficient force. Do not force excessively to avoid damage.*
4. **Adjust Mirror Angle:** Once mounted, adjust the mirror head using the ball joint to achieve the optimal viewing angle for your riding position. The convex lens provides a wide field of view.
5. **Verify Security:** Before riding, gently tug on the mirror to ensure it is securely attached and will not shift during use.

## OPERATION

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The Busch & Müller Cycle Star 80 mirror is designed for simple and effective use.

1. **Rearward Visibility:** While riding, periodically check the mirror to monitor traffic and obstacles behind you. The convex lens provides a broader view than a flat mirror, but objects may appear closer than they are.
2. **Dynamic Adjustment:** The ball joint allows for quick, on-the-fly adjustments if your riding position changes or if you need to focus on a specific area behind you.



Figure 4: Example of the view provided by the Cycle Star 80 mirror. The convex lens offers a wide perspective, allowing the rider to see approaching vehicles and other elements in their rearward path.

## MAINTENANCE

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To ensure the longevity and optimal performance of your mirror, follow these maintenance guidelines:

- **Cleaning:** Clean the mirror surface regularly with a soft, damp cloth. For stubborn dirt, use a mild soap solution. Avoid abrasive cleaners or materials that could scratch the mirror surface.
- **Inspection:** Periodically inspect all components for signs of wear, damage, or looseness. Check the clamp, arm, and mirror head for cracks or excessive play.
- **Tightness:** Ensure all mounting screws remain tight. Retighten if necessary, but avoid overtightening, especially with plastic components.

## TROUBLESHOOTING

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### **Mirror does not fit into the ball joint socket:**

Ensure the ball and socket are correctly aligned. Apply firm, steady pressure. If resistance is significant, check for any obstructions or manufacturing defects. Do not force excessively, as this may damage the components.

### **Mirror becomes loose during riding:**

The mounting clamp may not be sufficiently tightened. Carefully retighten the clamp screw. If the screw is stripped, contact customer support for replacement parts or consider alternative mounting solutions if available.

### **View is blurry or distorted:**

Clean the mirror surface as described in the Maintenance section. Ensure the mirror is not scratched or damaged. The convex nature of the mirror will naturally cause some distortion, but it should provide a clear, wide view.

## SPECIFICATIONS

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Feature	Detail
Brand	Busch & Müller
Model Name	Cycle Star 80 Driver's Mirror Short Bar
Part Number	903/3
Item Dimensions (L x W x H)	15 x 8 x 8 cm (5.91 x 3.15 x 3.15 inches)
Item Weight	0.1 Kilograms
Color	Black
Mounting Type	Handlebar Mount
Included Components	Bicycle mirror
Special Feature	Lightweight
Lens Curvature	Convex
Shape	Oval
Lens Diameter	80mm



Figure 5: The mirror lens diameter is approximately 80mm, contributing to its wide field of view.

## WARRANTY INFORMATION

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As per manufacturer information, this product does not come with a specific manufacturer guarantee. Please refer to your retailer's return and warranty policies for any applicable coverage.

## CUSTOMER SUPPORT

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For further assistance or inquiries regarding your Busch & Müller Cycle Star 80 Short Bar Bicycle Mirror, please contact your point of purchase or visit the official Busch & Müller website for support resources.