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Model: H804

1. INTRODUCTION

This manual provides essential information for the proper installation and maintenance of the Carlson H804 Caliper Mount Bolt. Please read this manual thoroughly before beginning any work to ensure safe and correct usage. This product is designed for specific automotive brake system applications.

2. PRODUCT OVERVIEW

The Carlson H804 is a high-quality caliper mount bolt designed for secure fastening within a vehicle's brake system. It is engineered to meet specific automotive standards for durability and performance.



Figure 2.1: Carlson H804 Caliper Mount Bolts. These bolts are crucial for securing the brake caliper to the vehicle's mounting bracket, ensuring proper brake function.

Key features include:

- Hexagon head for easy installation and removal.
- Precision-machined threads for secure fitment.
- Durable construction suitable for automotive applications.
- Pre-applied threadlocker (red substance) for enhanced security and vibration resistance.

3. SPECIFICATIONS

Attribute	Detail
Model Number	H804

Brand	Carlson
Fastener Type	Hexagon Bolt
Material	Steel (Machined Finish)
Color	Silver
Thread Size	1/4"-20 UNC
Thread Type	UNC or UNF
Thread Style	Right Hand
Item Hardness	Grade 2
Head Type	Hex
Product Dimensions	Approximately 8.9 x 5.13 x 4.48 inches (Package)
Item Weight	Approximately 4.8 ounces
UPC	085499190388

Note: Dimensions and weight refer to the packaged product. Individual bolt specifications are listed above.

4. INSTALLATION (SETUP)

Proper installation of the caliper mount bolt is critical for brake system safety and performance. It is recommended that installation be performed by a qualified automotive technician.

4.1 Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands or a lift before working on the brake system.
- Allow brake components to cool down before handling.
- Refer to the vehicle manufacturer's service manual for specific torque specifications and procedures.

4.2 Installation Steps

1. **Preparation:** Ensure the caliper mounting holes and threads on the vehicle's bracket are clean and free of debris or old threadlocker.
2. **Positioning:** Align the brake caliper with its mounting bracket.
3. **Bolt Insertion:** Insert the Carlson H804 Caliper Mount Bolt through the caliper and into the mounting bracket. The bolt comes with pre-applied threadlocker; additional threadlocker is generally not required unless specified by the vehicle manufacturer.
4. **Torquing:** Hand-tighten the bolt initially. Then, using a torque wrench, tighten the bolt to the vehicle manufacturer's specified torque setting. Overtightening or undertightening can lead to component failure.
5. **Final Check:** Verify that the caliper is securely mounted and all components are properly aligned.



Figure 4.1: Caliper Mounting Bolts. These bolts are designed for precise fitment and secure attachment of brake calipers.

5. MAINTENANCE

Caliper mount bolts are critical safety components and typically do not require routine maintenance beyond proper installation. However, during brake service or inspection, consider the following:

- **Inspection:** Visually inspect the bolts for signs of corrosion, damage, or stripping whenever brake components are accessed.
- **Replacement:** It is highly recommended to replace caliper mount bolts whenever the caliper is removed for service, especially if they show any signs of wear or if the vehicle manufacturer specifies one-time use. The pre-applied threadlocker is designed for a single application.
- **Cleaning:** If reusing (against recommendation), ensure threads are clean and apply new threadlocker as per vehicle manufacturer specifications.

6. TROUBLESHOOTING

Issues related to caliper mount bolts are typically due to incorrect installation or component wear. This section addresses common concerns.

Problem	Possible Cause	Solution
Bolt not tightening properly	Stripped threads on bolt or mounting bracket; incorrect bolt size.	Inspect threads. Replace bolt if stripped. If bracket threads are stripped, repair or replace the bracket. Ensure correct bolt is used.
Caliper movement/rattle after installation	Bolt not torqued to specification; worn caliper guide pins/bushings (not bolt issue directly).	Re-torque bolt to manufacturer's specification. Inspect and replace caliper guide pins and bushings if worn.
Bolt breaks during installation	Overtorquing; defective bolt (rare).	Remove broken bolt carefully. Use a torque wrench and adhere strictly to manufacturer's specifications. Replace with a new bolt.

If you encounter persistent issues, consult a professional automotive technician.

7. WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please refer to the official Carlson website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Carlson Official Website: [Visit the Carlson Store on Amazon](#)



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