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Evotech Performance PRN014714-02

Instruction Manual

Evotech Performance Crash Protection

Model: PRN014714-02

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Evotech Performance Crash Protection system, Model PRN014714-02, designed specifically for the Triumph Thruxton RS (2020+) motorcycle. The Evotech Performance Crash Protection system is engineered to offer critical protection to your motorcycle's engine and frame components in the event of a fall or slide. By absorbing impact energy and providing a sliding surface, these protectors aim to minimize damage to the motorcycle's vital parts.

2. IMPORTANT SAFETY INFORMATION

WARNING:

- Installation of this product requires mechanical aptitude and proper tools. If you are unsure about any step, it is highly recommended to seek assistance from a qualified motorcycle technician.
- Always ensure the motorcycle is stable and securely supported before beginning any installation work. Use a paddock stand or center stand.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation.
- Do not modify the product or use it for purposes other than its intended design. Unauthorized modifications can compromise safety and performance.
- After installation, always check all fasteners for proper torque and ensure no components interfere with the motorcycle's operation (e.g., steering, suspension, controls).
- Regularly inspect the crash protection system for any signs of damage, wear, or loose fasteners. Replace damaged components immediately.

3. PACKAGE CONTENTS

Please verify that all components listed below are present and undamaged before proceeding with the installation.

- Crash Bobbins (2x)
- Mounting Spindle/Bar (1x)

- Mounting Brackets (2x)
- Fasteners and Washers (various sizes)
- Installation Instructions (this manual)



Figure 3.1: Complete Evotech Performance Crash Protection assembly, showing the two bobbins, central spindle, and mounting brackets.

4. SETUP AND INSTALLATION

Follow these steps carefully to install your Evotech Performance Crash Protection system.

4.1. Preparation

1. Park the motorcycle on a firm, level surface.
2. Secure the motorcycle using a paddock stand or center stand to ensure stability.
3. Allow the engine and exhaust components to cool down completely before handling.
4. Gather all necessary tools, which typically include:
 - Socket set and wrenches
 - Torque wrench
 - Hex key set
 - Thread-locking compound (medium strength, e.g., Loctite 243)

4.2. Installation Steps

1. **Identify Mounting Points:** Locate the designated mounting points on your Triumph Thruxton RS frame, typically near the engine mounts. Refer to your motorcycle's service manual if unsure.
2. **Attach Mounting Brackets:** Secure the provided mounting brackets to the motorcycle's frame using the appropriate fasteners. Ensure they are correctly oriented as shown in the product images. Apply a small amount of medium-strength thread-locking compound to the bolt threads before tightening.



Figure 4.1: View of the crash bobbin installed on the right side of the motorcycle engine, showing its proximity to the exhaust header and engine casing.

3. **Insert Spindle/Bar:** Slide the main spindle/bar through the mounting points and the attached brackets. Ensure it passes cleanly without obstruction.
4. **Attach Crash Bobbins:** Thread one crash bobbin onto each end of the spindle/bar. Hand-tighten initially.



Figure 4.2: View of the crash bobbin installed on the left side of the motorcycle engine, illustrating its secure fit and protective positioning.

5. **Final Tightening:** Using a torque wrench, tighten all fasteners to the manufacturer's specified torque settings. Refer to your motorcycle's service manual for frame bolt torque specifications, and any specific torque values provided with the Evotech Performance product. If no specific torque is provided for the bobbins, tighten them securely but do not overtighten.
6. **Final Check:** Double-check all installed components to ensure they are secure, do not interfere with any moving parts (e.g., handlebars, suspension travel), and are clear of hot components like the exhaust.

5. OPERATION

The Evotech Performance Crash Protection system operates passively. Once correctly installed, it functions as a

sacrificial component designed to absorb impact energy and provide a sliding surface during a fall or slide, thereby reducing potential damage to the motorcycle's frame, engine casings, and other critical components. No active user input is required for its operation. Its effectiveness relies on proper installation and regular inspection.

6. MAINTENANCE

To ensure the continued effectiveness and safety of your crash protection system, regular maintenance is recommended:

- **Periodic Inspection:** Visually inspect the crash bobbins and mounting hardware regularly (e.g., every 1,000 km or monthly) for any signs of damage, cracks, deformation, or excessive wear.
- **Fastener Check:** Check all mounting bolts for tightness. Vibrations from motorcycle operation can sometimes loosen fasteners. Re-torque to specifications if necessary.
- **Cleaning:** Clean the bobbins and surrounding areas with a mild soap and water solution. Avoid harsh chemicals that could degrade the material.
- **Post-Incident Inspection:** In the event of a fall or impact, no matter how minor, thoroughly inspect the crash protection system and the motorcycle's frame for any damage. Even minor impacts can compromise the integrity of the bobbins or mounting points. Replace any damaged components immediately.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Product does not fit motorcycle.	Incorrect model year or motorcycle model.	Verify your motorcycle's exact model and year against the product's compatibility (Triumph Thruxton RS 2020+). Contact your vendor if there's a discrepancy.
Bobbins feel loose after installation.	Fasteners not tightened to specification; thread-locking compound not used or insufficient.	Re-check all fasteners and torque them to the recommended specifications. Ensure thread-locking compound is applied where appropriate.
Visible damage to bobbins after a minor incident.	Bobbins performed their intended function; material absorbed impact.	This is normal. The bobbins are designed to be sacrificial. Replace damaged bobbins and inspect the motorcycle frame for any underlying damage.

8. SPECIFICATIONS

- **Model:** PRN014714-02
- **Product Type:** Crash Protection / Engine Guard
- **Compatibility:** Triumph Thruxton RS (2020+)
- **Manufacturer:** Evotech Performance
- **Position:** Front (Engine Area)
- **Color:** Black
- **Item Weight:** Approximately 2.58 kg
- **Package Dimensions:** Approximately 37.5 x 27 x 11.4 cm
- **Assembly Required:** Yes

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Evotech Performance directly or refer to their official website. Keep your proof of purchase for any warranty claims.

Evotech Performance Official Website: www.evotech-performance.com

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Related Documents - PRN014714-02

	<p>Aprilia RS660 Crash Protection Installation Instructions by Evotech Performance</p> <p>Detailed installation guide for Evotech Performance crash protection for the Aprilia RS660 motorcycle. Includes kit contents and step-by-step visual instructions.</p>
	<p>Evotech Performance Tail Tidy Installation Instructions for Honda CB650R/CBR650R</p> <p>Step-by-step installation guide for the Evotech Performance Tail Tidy for Honda CB650R and CBR650R models, including a list of kit contents and detailed instructions.</p>
	<p>Evotech Performance Multistrada V4 Quadlock Sat Nav Mount Installation Instructions</p> <p>Detailed installation guide for the Evotech Performance Quadlock Sat Nav Mount on a Ducati Multistrada V4. Includes kit contents and step-by-step visual instructions.</p>
	<p>Evotech Performance Ducati Streetfighter V4 / Panigale V4 Tail Tidy Installation Instructions</p> <p>Detailed installation guide for the Evotech Performance Tail Tidy for Ducati Streetfighter V4 and Panigale V4 models, including kit contents and step-by-step instructions.</p>
	<p>Evotech Performance Suzuki SFV650 Gladius Tail Tidy Installation Instructions (2009-Onwards)</p> <p>Detailed installation instructions for the Evotech Performance Tail Tidy (Product Reference 7276) for the Suzuki SFV650 Gladius, model years 2009 onwards. Includes kit contents, fitting steps, and wiring information.</p>
	<p>BMW Brake & Clutch Lever Protectors Installation Instructions by Evotech Performance</p> <p>Step-by-step installation guide for Evotech Performance BMW Brake & Clutch Lever Protectors. Includes kit contents and essential checks for safe riding.</p>