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Puig 2249U

Puig Lower Engine Guards for BMW R1250GS (2018-2019)

Installation and Care Manual - Model: 2249U

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, maintenance, and care of your Puig Lower Engine Guards, model 2249U. These guards are specifically designed for BMW R1250GS motorcycles manufactured between 2018 and 2019. Please read this manual thoroughly before beginning installation to ensure correct fitment and to maximize the protective benefits of your new engine guards.

2. SAFETY INFORMATION

Always prioritize safety during installation and use. Improper installation can lead to product failure, damage to your motorcycle, or personal injury. If you are unsure about any step, it is recommended to seek assistance from a qualified motorcycle mechanic.

- Ensure the motorcycle is stable and securely supported on a center stand or appropriate lift before beginning work.
- Allow the engine and exhaust system to cool completely before handling any components.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Use only the tools specified or recommended for installation.
- Do not modify the engine guards or any motorcycle components during installation.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. PACKAGE CONTENTS

Before beginning installation, verify that all components are present and undamaged. Refer to the included instructions sheet for a complete list of parts. Typically, the package includes:

- Puig Lower Engine Guard frames (left and right)
- Mounting hardware (bolts, washers, spacers, brackets)
- Detailed installation instructions sheet

If any parts are missing or damaged, please contact your retailer or Puig customer support before proceeding.

4. INSTALLATION GUIDE

The following steps outline the general procedure for installing the Puig Lower Engine Guards. Always refer to the specific instructions sheet provided with your product for precise details and torque specifications, as these may vary.

Required Tools (General)

- Metric socket set and wrenches
- Torque wrench
- Hex key set
- Thread-locking compound (medium strength, e.g., Loctite blue)

Installation Steps

1. **Prepare the Motorcycle:** Park the motorcycle on a level surface and secure it. Ensure the engine is cool.
2. **Identify Mounting Points:** Locate the designated mounting points on the motorcycle frame and engine block as indicated in the product-specific instructions.
3. **Attach Brackets (if applicable):** Some installations may require attaching specific brackets to the motorcycle frame first. Follow the provided diagrams carefully.
4. **Position Engine Guards:** Carefully position the left and right engine guard frames against the motorcycle, aligning them with the mounting points.
5. **Install Fasteners:** Insert the provided bolts, washers, and spacers through the engine guards and into the motorcycle's mounting points. Apply a small amount of thread-locking compound to the bolt threads as recommended.
6. **Hand-Tighten:** Hand-tighten all fasteners initially to ensure proper alignment and to avoid cross-threading. Do not fully tighten at this stage.
7. **Align and Adjust:** Ensure the engine guards are properly aligned and do not interfere with any other motorcycle components (e.g., handlebars, footpegs, fairings).
8. **Torque Fasteners:** Using a torque wrench, tighten all fasteners to the specific torque values provided in your product's instruction sheet. Tighten in a staggered pattern if multiple bolts are present to ensure even pressure.
9. **Final Inspection:** Double-check all fasteners for tightness. Ensure there is no play in the engine guards and that they are securely mounted.



This image shows the Puig Lower Engine Guards (model 2249U) securely mounted on the lower section of a BMW R1250GS motorcycle engine. The guards are a grey color, complementing the motorcycle's frame and engine components. They are designed to protect the engine casing from impacts.

5. POST-INSTALLATION CONSIDERATIONS

Once installed, the Puig Lower Engine Guards provide an additional layer of protection for your motorcycle's engine. While they are designed to withstand impacts, they are not indestructible. It is important to understand their function and limitations.

- **Regular Inspection:** Periodically check all mounting bolts for tightness, especially after the first few rides and after any off-road use. Vibrations can cause fasteners to loosen over time.
- **Damage Assessment:** In the event of a fall or impact, thoroughly inspect the engine guards and the motorcycle for any damage. Even minor impacts can compromise the structural integrity of the guards. Replace damaged guards immediately.
- **Cleaning:** Clean the engine guards regularly with mild soap and water to remove dirt and road grime. Avoid harsh chemicals that could damage the finish.

6. MAINTENANCE

Proper maintenance ensures the longevity and effectiveness of your engine guards.

- **Fastener Checks:** Every 3,000 miles or during routine motorcycle service, check and re-torque all mounting bolts to the manufacturer's specified values.
- **Corrosion Prevention:** The engine guards are made from durable materials, but exposure to harsh weather and road salts can lead to corrosion. Clean and apply a protective wax or sealant periodically, especially if riding in corrosive environments.
- **Structural Integrity:** Visually inspect the guards for cracks, bends, or deformation. Any sign of structural compromise warrants immediate replacement.

7. TROUBLESHOOTING

Most issues related to engine guards are minor and can be resolved with simple checks.

- **Loose Fit/Vibration:** If the guards feel loose or vibrate excessively, re-check all mounting bolts and ensure they are torqued to specification. Verify that all spacers and washers are correctly installed.
- **Unusual Noises:** Rattling or clunking sounds may indicate loose fasteners or contact with other motorcycle components. Inspect for points of contact and adjust alignment if possible, then re-tighten.
- **Difficulty Installing:** If you encounter significant difficulty during installation, double-check that you have the correct model guards for your motorcycle year and model. Ensure all components are oriented correctly according to the diagrams. Do not force parts into place.

For persistent issues or significant damage, contact Puig customer support or a professional mechanic.

8. SPECIFICATIONS

Feature	Detail
Brand	Puig
Model Number	2249U
Compatible Vehicle	BMW R1250GS (2018-2019)
Material	Polypropylene (PP)
Approximate Item Weight	12.16 pounds (5.51 kg)
Approximate Product Dimensions	20.7 x 18.4 x 10.7 inches (52.6 x 46.7 x 27.2 cm)
Auto Part Position	Front (Lower Engine)

9. WARRANTY AND SUPPORT

Puig products are manufactured to high standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty documentation included with your purchase or visit the official Puig website. For technical support or assistance with parts, please contact Puig customer service directly through their official channels.