

Puig 20297N

Puig Downforce Spoilers Instruction Manual

FOR YAMAHA YZF-R1/M (2020 MODEL YEAR)

Model: 20297N

Brand: Puig

1. Introduction

This manual provides essential information for the proper installation, use, and maintenance of your Puig Downforce Spoilers, model 20297N. These spoilers are designed to enhance the aerodynamic performance of your Yamaha YZF-R1/M motorcycle (2020 model year), contributing to increased stability and downforce at higher speeds. Please read these instructions carefully before proceeding with installation.

Important Safety Notice: Motorcycle accessories installation requires mechanical aptitude. If you are unsure about any step, it is highly recommended to seek assistance from a qualified motorcycle technician to ensure correct and safe installation.

2. Package Contents

Verify that all components are present and undamaged before beginning installation. The package should contain:

- Puig Downforce Spoilers (Left and Right)
- Mounting Hardware Kit (screws, washers, spacers as required)
- Installation Instructions Sheet (this document)

Note: The product information indicates that components are included as per the instructions sheet.

3. Setup and Installation

Tools Required: Basic hand tools such as Allen wrenches, screwdrivers, and a torque wrench may be

necessary. Refer to your motorcycle's service manual for specific torque specifications if applicable.

1. **Preparation:** Ensure the motorcycle is stable on a stand. Allow the engine to cool if recently operated.
2. **Identify Mounting Points:** The Puig Downforce Spoilers are designed to integrate with the existing fairing structure of the Yamaha YZF-R1/M. Locate the designated mounting points on the side fairings. These typically involve existing screw locations or pre-drilled holes.
3. **Position Spoilers:** Carefully align each spoiler with its corresponding mounting points on the left and right sides of the motorcycle.
4. **Secure with Hardware:** Using the provided mounting hardware, attach the spoilers. Start all screws by hand to ensure proper thread engagement before tightening.
5. **Tighten Fasteners:** Gradually tighten all fasteners. It is crucial not to overtighten, as this can damage the fairing or the spoilers. If specific torque values are provided in the included instructions or your motorcycle's manual, adhere to them.
6. **Final Check:** After installation, gently attempt to move the spoilers to ensure they are securely fastened and do not exhibit any play. Verify that they do not interfere with any moving parts or controls of the motorcycle.



Figure 1: Puig Downforce Spoilers mounted on a Yamaha YZF-R1/M. This image illustrates the spoilers integrated into the motorcycle's side fairings, enhancing its aerodynamic profile.

4. Operating Considerations

The Puig Downforce Spoilers function passively by generating aerodynamic downforce. No active operation is required from the rider. Once correctly installed, they work to improve stability and reduce front wheel lift at high speeds.

- **Initial Ride:** After installation, perform a short, low-speed test ride to ensure everything feels secure and there are no unexpected noises or vibrations.
- **Aerodynamic Effect:** The primary benefit of these spoilers is experienced at higher speeds, where

the airflow over the motorcycle generates the intended downforce.

5. Maintenance

Regular inspection and cleaning will help maintain the appearance and integrity of your Puig Downforce Spoilers.

- **Cleaning:** Clean the spoilers with mild soap and water, using a soft cloth. Avoid abrasive cleaners or solvents that could damage the high-impact acrylic material.
- **Inspection:** Periodically check all mounting screws for tightness. Vibrations from riding can sometimes cause fasteners to loosen over time. Inspect the spoilers for any signs of cracks, damage, or wear.
- **Damage:** In case of significant damage, it is recommended to replace the affected spoiler to ensure optimal aerodynamic performance and safety.

6. Troubleshooting

Most issues related to the spoilers are installation-dependent.

- **Loose Spoilers:** If a spoiler feels loose, re-check all mounting hardware and tighten them securely, ensuring not to overtighten.
- **Unusual Noise/Vibration:** This could indicate improper installation or interference with other motorcycle components. Re-inspect the installation thoroughly. If the issue persists, consult a professional mechanic.
- **Reduced Performance:** If you suspect the spoilers are not performing as expected, ensure they are correctly positioned and securely attached. Aerodynamic effects are subtle and primarily noticeable at higher speeds.

For persistent issues or concerns, contact Puig customer support or a certified motorcycle service center.

7. Specifications

Brand	Puig
Model Number	20297N
Material	High Impact Acrylic
Color	BLACK
Item Weight	1.5 pounds
Package Dimensions	13.2 x 4.11 x 4.1 inches
Country of Origin	Spain
Installation Type	Screw-In
Vehicle Service Type	Motorcycle

8. Warranty and Support

Puig products are manufactured to high standards. For information regarding warranty coverage, please refer to the warranty documentation provided with your purchase or visit the official Puig website. Keep your proof of purchase for warranty claims.

For technical support or inquiries, please contact Puig customer service through their official channels. Contact details can typically be found on the manufacturer's website or on the product packaging.