

Evotech Performance PRN013633

Evotech Performance Rear Wheel Spindle Sliders User Manual

Model: PRN013633

For Kawasaki Z650 & Ninja 650 Models (2017 onwards)

1. PRODUCT OVERVIEW

The Evotech Performance Rear Wheel Spindle Sliders are designed to provide protection for your motorcycle's rear wheel components, including the spindle, swingarm, and brake calipers, in the event of a fall or slide. These sliders feature an innovative design where the bobbin head can rotate on impact, enhancing durability and impact resistance.

The kit includes two nylon bobbins, two anodized aluminum spacers, a stainless steel spindle, nuts, and washers. They are manufactured from high-performance engineering materials to ensure effective protection.



Figure 1: Assembled Evotech Performance Rear Wheel Spindle Sliders. This image shows the complete assembly of the spindle sliders, featuring the central stainless steel spindle, two anodized aluminum spacers, and two black nylon bobbin heads at each end.

2. COMPATIBILITY

- **Kawasaki Z650 Models:** Years 2017 onwards.
- **Kawasaki Ninja 650 Models:** Years 2017 onwards.

3. INSTALLATION INSTRUCTIONS

Important Safety Note: Installation should be performed by a competent individual with appropriate tools. Ensure the motorcycle is stable and secure before beginning any work. Refer to your motorcycle's service manual for specific torque settings for axle nuts.

1. **Prepare the Motorcycle:** Park the motorcycle on a level surface using a paddock stand or center stand to lift the rear wheel, if necessary, to allow access to the rear axle.
2. **Inspect Existing Axle:** Locate the rear axle nut. Some Kawasaki models may have a cotter pin fitted through the axle nut.
3. **Cotter Pin Handling (if applicable):**
 - If a cotter pin is present, it **must be removed** to allow for the installation of the spindle slider.
 - Alternatively, the original cotter pin can be cut down so that it remains in the nut but fits inside the slider housing. The slider housing will then prevent it from coming out.
4. **Assemble the Spindle Sliders:** The kit comprises two nylon bobbins, two anodized aluminum spacers, a stainless steel spindle, nuts, and washers. Assemble these components as shown in Figure 1, ensuring the spacers are correctly positioned between the bobbins and the spindle ends.
5. **Insert the Spindle:** Carefully slide the assembled spindle through the rear axle of your motorcycle. Ensure it passes cleanly through the axle and any existing components.
6. **Secure the Sliders:** Once the spindle is in place, secure the bobbins and spacers on both sides using the provided nuts and washers. Tighten the nuts evenly until the sliders are firmly secured, but do not overtighten. Refer to your motorcycle's service manual for the correct torque specification for the rear axle nut, if applicable, or ensure the spindle slider nuts are sufficiently tight to prevent movement.
7. **Final Check:** After installation, ensure all components are securely fastened and there is no interference with other motorcycle parts (e.g., chain, brake caliper).

4. OPERATION

The Evotech Performance Rear Wheel Spindle Sliders are passive protection devices. Once correctly installed, they require no active operation. Their function is to absorb impact and reduce damage to the motorcycle's rear components during a fall or slide by allowing the bobbin heads to rotate and slide.

5. MAINTENANCE

- **Regular Inspection:** Periodically inspect the spindle sliders for any signs of damage, cracks, or wear, especially after any incident or rough riding.
- **Check Fasteners:** Ensure the nuts securing the sliders remain tight. Re-tighten if necessary, but avoid overtightening.
- **Cleaning:** Clean the sliders with mild soap and water to remove dirt and grime. Avoid harsh chemicals that may damage the nylon or anodized finishes.
- **Post-Impact:** If the sliders have been involved in an impact, inspect them thoroughly. Even if they appear intact, internal damage may have occurred. Consider replacing them to ensure continued protection.

6. TROUBLESHOOTING

- **Sliders Do Not Fit:**

- Verify that your motorcycle model and year match the compatibility listed (Kawasaki Z650 & Ninja 650, 2017 onwards).
 - Ensure any existing cotter pin on the axle nut has been properly addressed (removed or trimmed).
 - Double-check the assembly of the spindle, spacers, and bobbins.
- **Sliders Are Loose After Installation:**
 - Ensure the nuts are tightened securely. Re-tighten if necessary, checking periodically.
 - Verify that all components (spacers, washers) are correctly installed and not missing.
 - **Damage After Minor Impact:**
 - While designed for impact, severe impacts can cause damage. Inspect for cracks or deformation. Replace damaged components immediately.
 - The rotating bobbin design helps dissipate energy, but it does not guarantee zero damage in all scenarios.

7. SPECIFICATIONS

Model Number	PRN013633
Brand	Evotech Performance
Material	Nylon bobbins, Anodized aluminum spacers, Stainless steel spindle
Compatibility	Kawasaki Z650 (2017+), Kawasaki Ninja 650 (2017+)
Key Feature	Rotating bobbin head for enhanced impact absorption

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact Evotech Performance directly or the authorized retailer from whom the product was purchased. Keep your proof of purchase for any warranty claims.

Manufacturer: Evotech Performance

Website: www.evotech-performance.com

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