

## SHIMANO RD-6800

# Shimano Ultegra RD-6800 Rear Derailleur Outer Plate and Plate Stopper Pin SS-Type Instruction Manual

Model: RD-6800 | Brand: SHIMANO

## 1. INTRODUCTION

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This instruction manual provides essential information for the proper installation, function, and maintenance of your Shimano Ultegra RD-6800 Rear Derailleur Outer Plate and Plate Stopper Pin SS-Type. This component is designed to optimize your R6800 series drivetrain, ensuring precise and seamless shifting performance. Crafted from durable materials, it contributes to the longevity and responsiveness of your rear derailleur. Please read this manual thoroughly before installation and use to ensure safe and correct operation.

## 2. SAFETY INFORMATION

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- Always wear appropriate safety gear, including eye protection, when working on bicycle components.
- Ensure your bicycle is stable and securely supported before beginning any installation or maintenance.
- Use only genuine Shimano replacement parts to ensure compatibility and maintain product performance.
- If you are unsure about any installation steps, consult a professional bicycle mechanic.
- Keep small parts away from children.
- Dispose of old components responsibly according to local regulations.

## 3. PACKAGE CONTENTS

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The package for the Shimano Ultegra RD-6800 Rear Derailleur Outer Plate and Plate Stopper Pin SS-Type typically includes:

- 1 x Shimano Ultegra RD-6800 Rear Derailleur Outer Plate (SS-Type)
- 1 x Plate Stopper Pin
- (Miscellaneous Rear Derailleur Part - as per product information)



**Figure 1:** The Shimano Ultegra RD-6800 Rear Derailleur Outer Plate and Plate Stopper Pin SS-Type. This image shows the black outer plate with its distinct shape, featuring mounting holes and a silver bushing for the stopper pin, which is partially visible in white at the bottom.

## 4. SETUP AND INSTALLATION

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This component is a replacement part for the Shimano Ultegra RD-6800 rear derailleur. Installation typically involves replacing an existing outer plate and stopper pin. Professional installation is recommended if you are unfamiliar with bicycle drivetrain mechanics.

### Required Tools:

- Appropriate Allen keys (hex wrenches) for derailleur bolts.
- Small flat-head screwdriver (if needed for stopper pin removal/installation).
- Torque wrench (recommended for precise tightening).
- Grease or thread locker (as specified by Shimano for specific bolts).

### Installation Steps:

1. **Prepare the Derailleur:** Remove the rear wheel from the bicycle. Shift the derailleur to the smallest cog to release cable tension.
2. **Remove Old Components:** Carefully unbolt the existing outer plate from the derailleur body. Note the orientation of all parts as you disassemble them. The stopper pin is typically pressed into a bushing or held by a small screw.
3. **Install New Stopper Pin:** Insert the new plate stopper pin into its designated bushing or mounting point on the derailleur body. Ensure it is seated correctly and securely.
4. **Attach New Outer Plate:** Align the new RD-6800 outer plate with the derailleur body and the stopper pin. Ensure all mounting holes are correctly aligned.

5. **Secure Bolts:** Apply a small amount of grease or thread locker (if recommended by Shimano) to the bolt threads. Insert and tighten the bolts that secure the outer plate to the derailleur body. Refer to Shimano's official dealer manual for specific torque specifications. Do not overtighten.
6. **Reassemble and Adjust:** Reinstall the rear wheel. Reattach the derailleur cable and adjust the derailleur as necessary to ensure smooth and precise shifting across all gears. Check high and low limit screws and B-tension.

For detailed diagrams and torque specifications, refer to the official Shimano dealer manual for the RD-6800 rear derailleur, available on the [Shimano website](#).

## 5. OPERATING PRINCIPLES

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The outer plate and plate stopper pin are integral components of the rear derailleur's cage assembly. The outer plate forms one side of the derailleur cage, guiding the chain onto the correct cog during shifts. The plate stopper pin, in conjunction with the inner plate, ensures the chain remains properly aligned within the cage and prevents it from derailing inwards or outwards. Together, these parts facilitate:

- **Precise Chain Guidance:** The outer plate's design ensures the chain moves smoothly and accurately between cogs.
- **Stable Drivetrain Operation:** The stopper pin helps maintain the derailleur's structural integrity and prevents unwanted movement or misalignment during gear changes and riding.
- **Enhanced Shifting Responsiveness:** By maintaining proper chain alignment, these components contribute to quick and reliable gear transitions.

Proper installation and maintenance of these parts are crucial for the optimal performance of your Ultegra RD-6800 rear derailleur.

## 6. MAINTENANCE

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Regular maintenance of your derailleur components will extend their lifespan and ensure consistent performance.

- **Cleaning:** Periodically clean the outer plate and stopper pin area to remove dirt, grime, and old lubricant. Use a mild degreaser and a brush, then rinse with water and dry thoroughly.
- **Inspection:** Regularly inspect the outer plate for any signs of bending, cracks, or excessive wear. Check the stopper pin for looseness or damage. Replace components immediately if damage is found.
- **Lubrication:** While the outer plate itself does not require lubrication, ensure that the pivot points of the derailleur cage and pulley wheels are properly lubricated according to Shimano's recommendations.
- **Bolt Torque:** Periodically check the tightness of the bolts securing the outer plate to the derailleur body. Ensure they are torqued to the manufacturer's specifications.

## 7. TROUBLESHOOTING

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If you experience issues with your rear derailleur after installing the outer plate and stopper pin, consider the following:

Problem	Possible Cause	Solution
Poor or inconsistent shifting	Incorrect derailleur adjustment (cable tension, limit screws, B-tension). Outer plate bent or damaged. Stopper pin not seated correctly.	Re-adjust derailleur. Inspect outer plate and stopper pin for damage; replace if necessary. Ensure stopper pin is fully seated.

Problem	Possible Cause	Solution
Chain rubbing on outer plate	Derailleur cage misalignment. Bent outer plate. Incorrect limit screw adjustment.	Check for bent outer plate; replace if needed. Adjust limit screws. Ensure derailleur hanger is not bent.
Noise from derailleur area	Loose outer plate bolts. Misaligned stopper pin. Lack of lubrication on other derailleur pivots.	Check and tighten outer plate bolts to spec. Verify stopper pin seating. Lubricate pulley wheels and other pivot points.

If problems persist after troubleshooting, consult a qualified bicycle mechanic.

## 8. SPECIFICATIONS

<b>Brand:</b>	SHIMANO
<b>Model:</b>	RD-6800 (Outer Plate and Plate Stopper Pin SS-Type)
<b>Part Number (MPN):</b>	Y5YC98070
<b>Material:</b>	Alloy Steel (as per case material type)
<b>Item Weight:</b>	4.54 g
<b>Compatibility:</b>	Shimano Ultegra R6800 series rear derailleurs (SS-Type cages)
<b>Included Components:</b>	Outer Plate, Plate Stopper Pin

## 9. WARRANTY AND SUPPORT

**Warranty:** This Shimano product is covered by a Limited Warranty. For specific details regarding the warranty period and terms, please refer to the official Shimano warranty policy available on their website or contact your authorized Shimano dealer.

**Customer Support:** For technical assistance, spare parts, or warranty claims, please contact your local authorized Shimano dealer or visit the official [Shimano website](#) for support resources and contact information.