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## Arashi HFN005G

# Arashi Version 2.0 Adjustable Rearsets Instruction Manual

For Yamaha YZF R1 (2004-2006)

Brand: Arashi | Model: HFN005G

## 1. INTRODUCTION

This manual provides instructions for the installation, adjustment, maintenance, and troubleshooting of the Arashi Version 2.0 Adjustable Rearsets. These rearsets are designed for the Yamaha YZF R1 motorcycle models manufactured between 2004 and 2006. The product features adjustable foot peg positions, a durable heel guard, and a customized shift linkage for precise gear changes.



Figure 1.1: Assembled Arashi Version 2.0 Adjustable Rearsets.

## 2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of motorcycle components requires mechanical knowledge and specialized tools. If you are not confident in your ability to install these rearsets correctly, seek assistance from a qualified motorcycle mechanic.
- **Use Threadlocker:** It is critical to apply a medium-strength threadlocker (e.g., Loctite 243) to all fasteners during assembly and installation. Failure to do so may result in bolts vibrating loose, leading to component failure and potential injury.
- **Regular Inspection:** Before each ride, inspect all fasteners on the rearsets to ensure they are tight. Check for any signs of wear or damage.
- **Brake Light Functionality:** Ensure the brake light switch is correctly adjusted and functions reliably after installation. Improper adjustment can lead to unsafe riding conditions.
- **Test Ride:** After installation, perform a low-speed test ride in a safe area to confirm proper function of the brakes, shifter, and overall stability before operating the motorcycle at higher speeds.

## 3. PACKAGE CONTENTS

Verify that all components listed below are present in your package. If any parts are missing or damaged, contact your vendor immediately.

- Left Rearset Assembly
- Right Rearset Assembly
- Shift Linkage Rod
- Foot Pegs (2)
- Heel Guards (2)
- Mounting Hardware (various bolts, washers, nuts)
- Brake Light Spring
- Shift Rod Clamp



Figure 3.1: All components included in the Arashi Rearsets package.

## 4. SETUP AND INSTALLATION

Follow these steps for proper installation. Refer to your motorcycle's service manual for specific torque specifications and removal procedures for original equipment.

1. **Preparation:** Park the motorcycle on a stable stand. Ensure the engine is off and cool. Remove the original foot peg assemblies, brake pedal, and shift lever. Keep all original hardware organized.

2. **Install Right Rearset (Brake Side):**

- Mount the right rearset base plate to the motorcycle frame using the provided hardware. Apply threadlocker to all bolts.
- Attach the brake pedal to the rearset. Ensure the external return spring is correctly positioned.
- Connect the brake master cylinder push rod to the new brake pedal.
- **Brake Light Switch:** The stock brake light switch holder may require modification or reuse of the original component. Connect the brake light spring to the brake pedal. Position the loop on the brake master cylinder between the spring and the front nut holding the shaft for the brake loop, not behind the small clip at the very end.



Figure 4.1: Right (Brake) Side Rearset.

3. **Install Left Rearset (Shift Side):**

- Mount the left rearset base plate to the motorcycle frame using the provided hardware. Apply threadlocker to all bolts.
- Attach the shift lever to the rearset.

- Connect the customized shift linkage rod between the shift lever and the motorcycle's shift shaft.
- **Shift Linkage Adjustment:** When installing the clamp on the shift shaft, ensure the leverage from the rod at the pedal is perpendicular to the shift shaft pivot for optimal leverage and smooth shifts. This may require shortening the threaded hex on the shift rod.



Figure 4.2: Left (Shift) Side Rearset.

4. **Foot Pegs and Heel Guards:** Install the foot pegs and heel guards onto both rearsset assemblies. Ensure they are securely fastened with threadlocker. The foot pegs feature an enhanced knurled edge for slip resistance.
5. **Final Checks:** Double-check all fasteners for tightness. Verify that the brake pedal and shift lever operate smoothly without binding. Ensure the brake light activates and deactivates correctly.

## 5. ADJUSTMENT AND OPERATING

The Arashi Version 2.0 Rearsets offer multiple adjustment points to customize your riding position. These adjustments allow for a precision fit to suit individual rider preferences.

- **Foot Peg Position:** The foot pegs can be adjusted to various positions (higher, lower, forward, backward) by relocating the mounting bolts on the rearsset base plate. Loosen the retaining bolts, move the foot peg assembly to the desired position, and re-tighten securely with threadlocker.

- **Shift Lever Position:** The angle and height of the shift lever can be adjusted by loosening the clamp on the shift shaft and repositioning the lever. Ensure the shift linkage rod remains aligned and provides accurate gear changes.
- **Brake Pedal Position:** The brake pedal's height can be adjusted by modifying the length of the master cylinder push rod. Ensure there is no free play before the brake engages and that the brake light activates correctly.

## SHIFT CONTROL

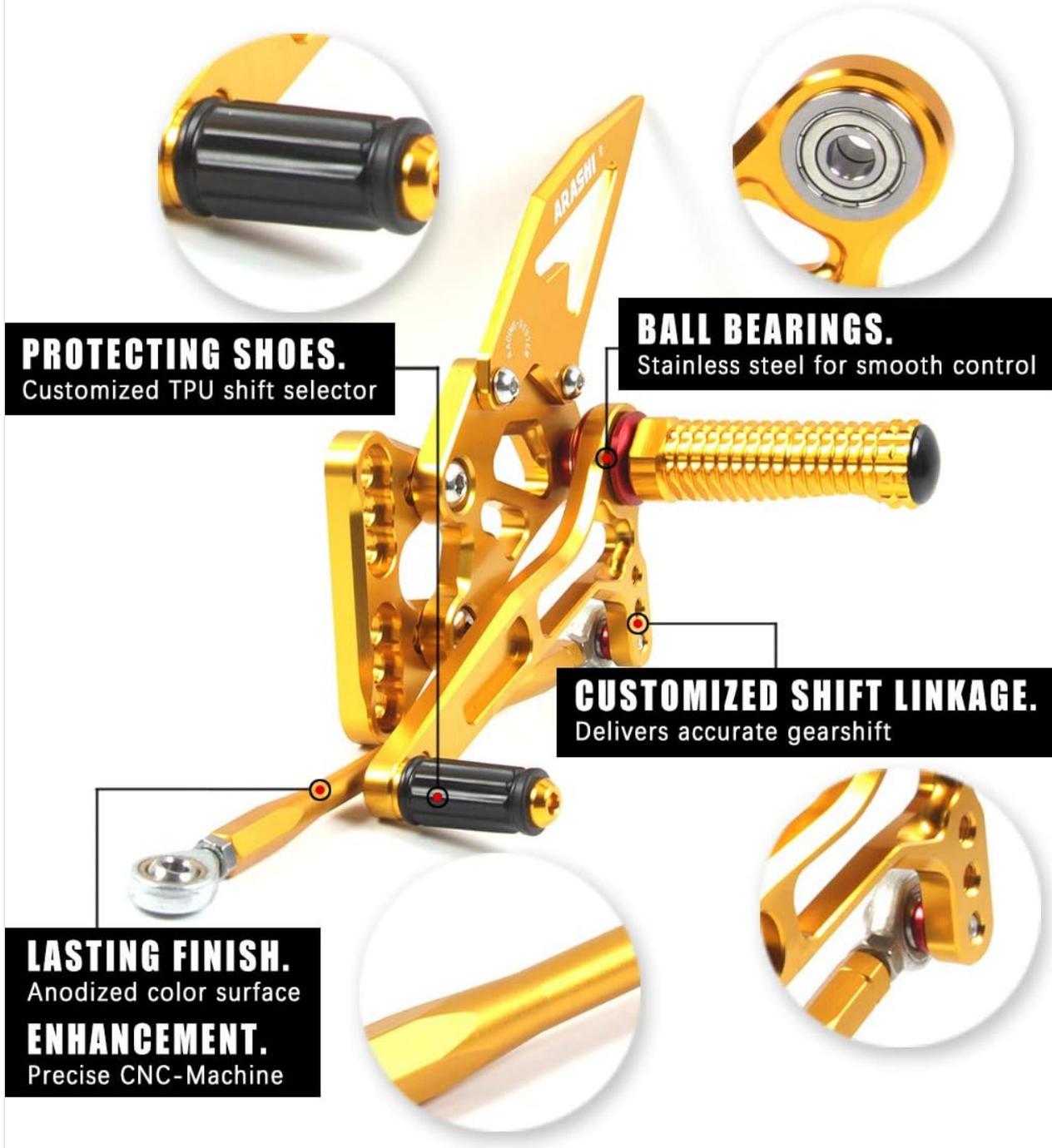


Figure 5.1: Shift control details, highlighting ball bearings for smooth operation and lasting finish.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Arashi Rearsets.

- **Fastener Checks:** Periodically check all bolts and nuts for tightness, especially after the first few rides and during routine motorcycle inspections. Reapply threadlocker if any fasteners are loosened.
- **Cleaning:** Clean the rearsets with a mild detergent and water. Avoid harsh chemicals or abrasive cleaners that could damage the anodized finish.
- **Lubrication:** Apply a small amount of appropriate grease or lubricant to the pivot points of the brake and shift levers, as well as the ball bearings, to ensure smooth operation.
- **Wear Inspection:** Inspect foot pegs, heel guards, and linkage components for signs of wear or damage. Replace any worn parts to maintain optimal performance and safety.

## 7. TROUBLESHOOTING

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- **Loose Components:** If any part of the rearsets feels loose, immediately stop riding. Inspect all fasteners and re-tighten them with threadlocker as described in the installation section.
- **Brake Light Not Functioning:** Check the connection and adjustment of the brake light spring and switch. Ensure the spring provides sufficient tension to activate and deactivate the switch correctly.
- **Stiff or Inaccurate Shifting:** Verify that the shift linkage rod is properly aligned and not binding. Ensure the shift shaft clamp is correctly positioned and tightened. Lubricate pivot points if necessary.
- **Improper Fitment:** If the rearsets do not seem to fit your specific Yamaha YZF R1 2004-2006 model, double-check the product compatibility and ensure all original components were removed correctly. Contact support if issues persist.

## 8. SPECIFICATIONS

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Feature	Detail
Material	Billet 6061-T6 Aircraft Grade Aluminum
Color	Gold
Weight	Approximately 3.3 Pounds (1.5 kg)
Fitment	Yamaha YZF R1 (2004-2006)
Foot Pegs	Air weight crafted with enhanced knurled edge for slip resistance
Heel Guard	Upgraded with extra thickness
Shift Linkage	Customized for accurate gearshift
Bearings	Stainless steel ball bearings for smooth control

## 9. WARRANTY

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Specific warranty terms and conditions for Arashi products may vary. Please retain your proof of purchase and contact the seller or manufacturer directly for detailed warranty information and claims procedures.

## 10. SUPPORT

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For technical assistance, installation inquiries, or any other support needs, please contact your authorized Arashi dealer or the manufacturer directly. Provide your product model number (HFN005G) and purchase details when seeking support.