

## Arashi HFN118T

# Arashi Version 2.0 Adjustable Rearsets Instruction Manual

For Honda CBR650R / CB650R (2019-2023)

## 1. PRODUCT OVERVIEW

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The Arashi Version 2.0 Adjustable Rearsets are precision-engineered components designed to enhance the riding experience for Honda CBR650R and CB650R motorcycle models from 2019 to 2023. These rearsets allow riders to customize their foot position for optimal comfort and control.

Key features include:

- **Improved Design:** Version 2.0 features an enhanced heel guard and knurled edge for superior slip resistance.
- **Lightweight Construction:** Manufactured with an air-weight design for reduced mass.
- **Precise Shifting:** Customized shift linkage ensures accurate and smooth gear changes.
- **Brake Control:** Integrated brake light control and an external return spring for the brake pedal.
- **Durable Material:** Constructed from superior strength Billet 6061-T6 aircraft-grade aluminum.
- **Adjustability:** Designed for precise fitment and easy adjustment to suit individual riding positions.

# SHIFT CONTROL

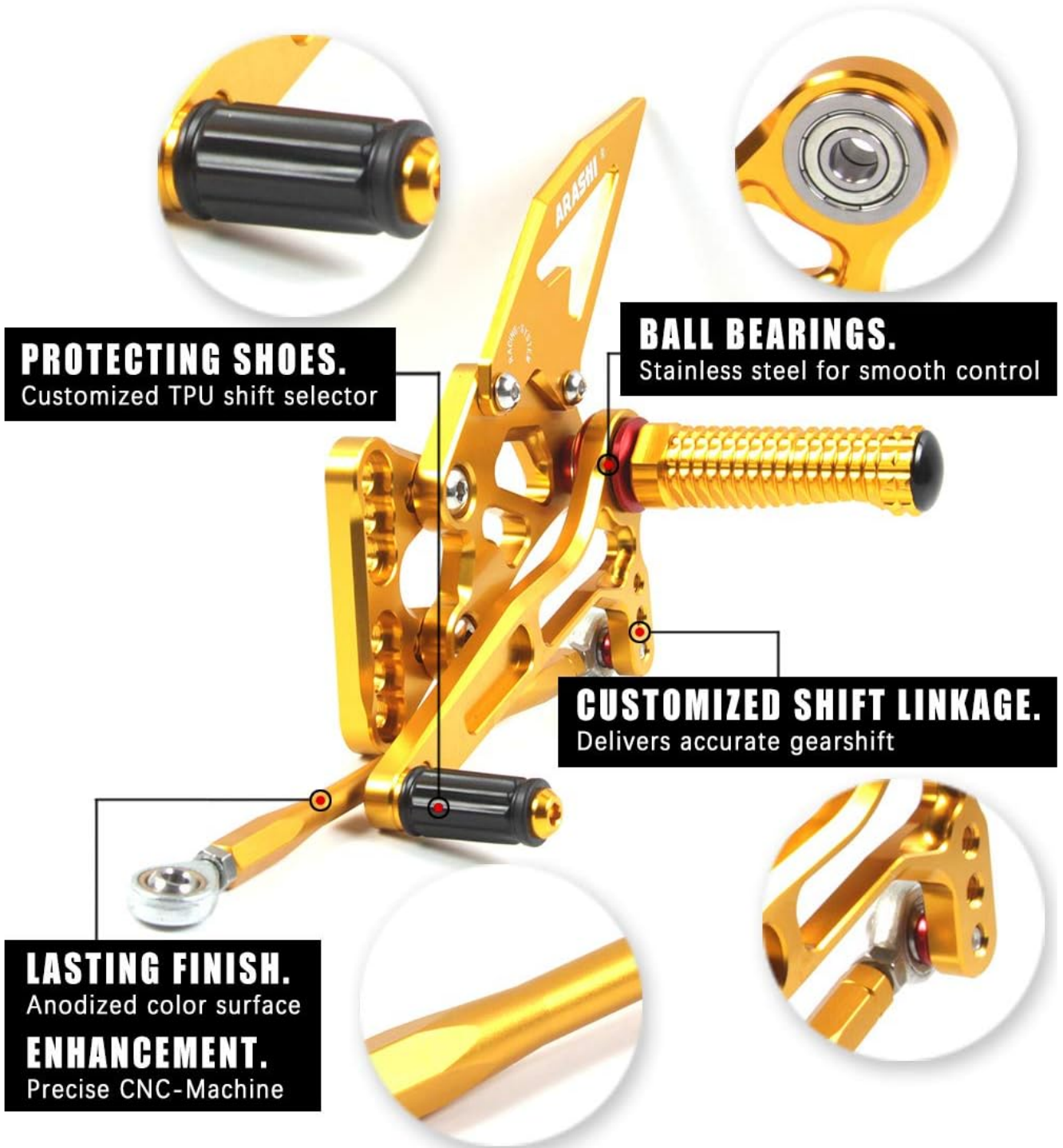


Figure 1.1: Front view of the Arashi Version 2.0 Adjustable Rearsets, showcasing the overall design and footpeg.



Figure 1.2: Detailed view of the Arashi Version 2.0 Adjustable Rearsets, highlighting the adjustable components and finish.

## 2. SETUP AND INSTALLATION

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Installation of the Arashi Adjustable Rearsets requires mechanical aptitude and appropriate tools. If you are unsure about any step, professional installation by a qualified motorcycle technician is recommended.

### 2.1 Components Overview



Figure 2.1: All components included with the Arashi Version 2.0 Adjustable Rearsets. Ensure all parts are present before beginning installation.

## 2.2 Key Features for Installation

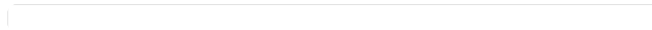


Figure 2.2: Close-up of the shift control mechanism, showing the customized TPU shift selector, ball bearings for smooth control, customized shift linkage, and the anodized finish.

Refer to Figure 2.2 for identification of key components during installation:

- **Protecting Shoes:** Customized TPU shift selector for durability.
- **Ball Bearings:** Stainless steel ball bearings for smooth and precise control.
- **Customized Shift Linkage:** Designed for accurate gear shifting.
- **Lasting Finish:** Anodized color surface with precise CNC machining for enhanced durability and aesthetics.

## 2.3 General Installation Steps

1. **Preparation:** Ensure the motorcycle is stable on a stand. Disconnect the battery if working near electrical components.
2. **Remove Stock Rearsets:** Carefully remove the original footpegs, brake pedal, and shift lever assembly. Note the routing of brake lines and shift linkage.
3. **Mount New Rearsets:** Attach the Arashi reseat base plates to the motorcycle frame using the provided hardware. Ensure all bolts are torqued to the manufacturer's specifications (refer to your motorcycle service manual for specific torque values).
4. **Install Footpegs and Levers:** Mount the footpegs, brake pedal, and shift lever onto the reseat base plates.
5. **Connect Shift Linkage:** Attach the customized shift linkage. Adjust its length to achieve the desired shift lever position.
6. **Connect Brake System:** Reconnect the rear brake master cylinder to the new brake pedal. Ensure the external return spring is correctly installed. Adjust the brake pedal position and verify brake light activation.
7. **Final Checks:** Before riding, thoroughly check all fasteners for tightness. Verify smooth operation of both the shift and brake systems. Ensure no components interfere with the motorcycle's movement or other parts.



Figure 2.3: Rear view of the rearsets, illustrating the mounting points and overall structure.



Figure 2.4: Side view of the rearsets, showing the profile and adjustability options.

### 3. OPERATING INSTRUCTIONS

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Once installed, the Arashi Adjustable Rearsets allow for fine-tuning of your riding position.

#### 3.1 Adjusting Footpeg Position

The rearsets offer multiple adjustment points for the footpegs. To adjust:

1. Loosen the retaining bolts that secure the footpeg to the base plate.
2. Slide the footpeg to the desired position (forward, backward, up, or down, depending on the design).
3. Once the desired position is achieved, securely tighten all retaining bolts. Ensure equal adjustment on both sides for balanced riding.

#### 3.2 Adjusting Shift and Brake Levers

The shift and brake levers can also be adjusted for optimal ergonomics.

- **Shift Lever:** The length of the customized shift linkage can be altered to change the angle and height of the shift lever. Loosen the lock nuts on the linkage rod, rotate the rod to adjust length, then re-tighten the lock nuts.
- **Brake Pedal:** The height and angle of the brake pedal can be adjusted. This typically involves loosening a bolt on the pedal pivot or adjusting the master cylinder pushrod. Ensure the brake light activates correctly after adjustment and that there is no drag on the brake.

Always perform adjustments while the motorcycle is stationary and stable. Test the functionality of all controls at a low speed in a safe environment before riding normally.

## 4. MAINTENANCE

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

- **Inspection:** Periodically inspect all components for signs of wear, damage, or looseness. Pay close attention to bolts, pivots, and the footpeg knurling.
- **Cleaning:** Clean the rearsets regularly with a mild detergent and water. Avoid harsh chemicals that may damage the anodized finish.
- **Lubrication:** Apply a small amount of appropriate grease or lubricant to pivot points (e.g., shift and brake lever pivots, ball bearings) to ensure smooth operation and prevent corrosion.
- **Fastener Check:** Regularly check and re-torque all mounting bolts and adjustment fasteners to their specified values. Vibrations from riding can cause fasteners to loosen over time.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your Arashi Adjustable Rearsets.

- **Loose Components:** If any part feels loose, immediately stop riding and inspect all fasteners. Tighten any loose bolts to the correct torque specification.
- **Difficulty Shifting:** Check the shift linkage for proper adjustment and ensure it moves freely without binding. Lubricate pivot points if necessary. Verify the shift selector is not obstructed.
- **Brake Pedal Issues:** If the brake pedal feels spongy or too stiff, check the brake fluid level and bleed the brake system if air is present. Ensure the external return spring is correctly installed and functioning. Verify the brake light switch is properly adjusted.
- **Unusual Noises:** Any new or unusual noises from the rearset area should be investigated immediately. This could indicate a loose component or wear.

If you are unable to resolve an issue, contact Arashi customer support or consult a professional motorcycle mechanic.

## 6. SPECIFICATIONS

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Specification	Detail
Model Number	HFN118T
Brand	Arashi
Material	Billet 6061-T6 Aircraft-Grade Aluminum

Compatibility	Honda CBR650R / CB650R (2019-2023)
Color	Grey (Anodized Finish)
GTIN / UPC	781509523404

## 7. WARRANTY AND SUPPORT

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Warranty information for the Arashi Version 2.0 Adjustable Rearsets is not provided within this document. For details regarding warranty coverage, claims, or technical support, please contact Arashi directly through their official website or authorized distributors.

If you require installation assistance or have further questions, Arashi may provide installation photos or guidance upon request.