

Tamron AFA035C700

Tamron 100-400mm F/4.5-6.3 VC USD Telephoto Zoom Lens Instruction Manual

Model: AFA035C700

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Tamron 100-400mm F/4.5-6.3 Di VC USD (Model A035) telephoto zoom lens. Please read this manual thoroughly before using the product to ensure optimal performance and longevity. This lens is designed for Canon Digital SLR Cameras.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Ultra-Telephoto Zoom:** Offers a versatile 100-400mm focal range.
- **Vibration Compensation (VC):** Tamron's proprietary image stabilization system to reduce camera shake.
- **Ultrasonic Silent Drive (USD):** Provides fast, precise, and quiet autofocus performance.
- **LD (Low Dispersion) Lens Elements:** Minimizes chromatic aberrations for enhanced image clarity.
- **eBAND Coating:** Suppresses reflections and ghosting, improving image contrast and color fidelity.
- **Moisture-Resistant Construction:** Provides protection against environmental elements.
- **Fluorine Coating:** Applied to the front element for easy cleaning and protection against smudges.
- **Lightweight Design:** Constructed with magnesium alloy for reduced weight, ideal for handheld shooting.

2.2 Lens Components

Familiarize yourself with the various parts of your lens:



Figure 1: Side View of the Tamron 100-400mm Lens. This image displays the lens from a side angle, highlighting the zoom ring with focal length markings (100, 135, 200, 300, 400mm), the focus ring, and the control panel featuring the AF/MF switch, FOCUS LIMIT switch, and VC MODE/1-2-OFF switch. The lens barrel also shows "DESIGNED IN JAPAN" and regulatory marks.



Figure 2: Front Angled View of the Tamron 100-400mm Lens. This image shows the lens from a slightly elevated front angle, revealing the front element, the zoom ring, the focus distance window, and the "LOCK" switch for securing the zoom at 100mm. The Tamron branding and lens specifications are visible on the barrel.

1. **Lens Hood Attachment Mark:** For aligning the lens hood.
2. **Filter Ring:** For attaching filters.
3. **Focus Ring:** Used for manual focusing.
4. **Zoom Ring:** Used to adjust the focal length.
5. **Zoom Lock Switch:** Locks the zoom ring at 100mm to prevent creep during transport.
6. **Focus Distance Scale:** Indicates the current focus distance.
7. **Focus Mode Switch (AF/MF):** Toggles between Autofocus and Manual Focus.
8. **Focus Limiter Switch:** Restricts the autofocus range for faster focusing.
9. **VC Mode Switch (VC MODE/1-2-OFF):** Selects Vibration Compensation mode or turns it off.
10. **Lens Mount Index:** Alignment mark for attaching the lens to the camera.
11. **Lens Mount Contacts:** Electronic contacts for communication with the camera.

3. SETUP

3.1 Attaching the Lens

1. Remove the rear lens cap and the camera body cap.
2. Align the lens mount index mark on the lens with the corresponding mount index mark on your Canon Digital SLR camera body.
3. Insert the lens into the camera mount and rotate it clockwise until it clicks into place. Ensure it is securely locked.
4. Remove the front lens cap.

Note: Avoid touching the lens contacts during attachment to prevent damage or malfunction.

3.2 Detaching the Lens

1. Turn off the camera.
2. While pressing the lens release button on the camera body, rotate the lens counter-clockwise until it stops.
3. Carefully remove the lens from the camera mount.
4. Attach the front and rear lens caps to protect the lens elements.

3.3 Attaching the Lens Hood

Align the lens hood attachment mark on the lens hood with the corresponding mark on the lens. Rotate the hood clockwise until it locks into place. The lens hood helps to prevent stray light from entering the lens and causing flare.

4. OPERATING THE LENS

4.1 Focusing (AF/MF)

- **Autofocus (AF):** Set the Focus Mode Switch to **AF**. The lens will automatically focus when the camera's shutter button is half-pressed.
- **Manual Focus (MF):** Set the Focus Mode Switch to **MF**. Rotate the focus ring to adjust focus manually.

4.2 Zooming

Rotate the zoom ring to change the focal length. The focal length markings (100mm, 135mm, 200mm, 300mm, 400mm) are indicated on the lens barrel. To prevent the lens from extending unintentionally during transport, use the **Zoom Lock Switch** at the 100mm position.

4.3 Vibration Compensation (VC)

The VC mechanism reduces camera shake, allowing for sharper images at slower shutter speeds. Use the **VC Mode Switch** to

select the desired mode:

- **VC MODE 1:** Standard mode for general shooting, compensating for both vertical and horizontal camera shake.
- **VC MODE 2:** Optimized for panning shots, compensating only for vertical camera shake.
- **OFF:** Turns off the Vibration Compensation function. It is recommended to turn VC off when using a tripod.

4.4 Focus Limiter

The **Focus Limiter Switch** allows you to restrict the autofocus range, which can improve autofocus speed when shooting subjects within a known distance range.

- **FULL:** Allows focusing across the entire range (Minimum Object Distance to Infinity).
- **LIMIT:** Restricts the focus range to a specific segment (e.g., 7m to Infinity), useful for distant subjects.

5. MAINTENANCE

5.1 Cleaning the Lens

- **Lens Elements:** Use a lens blower to remove dust, then gently wipe with a clean, soft lens cloth. For stubborn smudges, use a small amount of lens cleaning fluid on the cloth. The fluorine coating on the front element makes cleaning easier.
- **Lens Body:** Wipe with a soft, dry cloth. Do not use organic solvents like thinner or benzene.
- **Lens Mount Contacts:** Keep the electronic contacts clean with a dry cotton swab. Avoid touching them directly.

5.2 Storage

- Store the lens in a cool, dry place away from direct sunlight and high humidity.
- Always attach the front and rear lens caps when storing to protect the lens elements.
- If storing for extended periods, consider using a desiccant to prevent mold growth.

6. TROUBLESHOOTING

If you encounter issues with your lens, refer to the following common troubleshooting steps:

- **Lens not focusing:**
 - Ensure the AF/MF switch is set to AF.
 - Check if the Focus Limiter switch is set appropriately for your subject distance.
 - Clean the lens mount contacts on both the lens and camera.
 - Ensure sufficient light for autofocus to operate effectively.
- **Images are blurry:**
 - Check if the VC is turned ON (Mode 1 or 2) for handheld shooting, or OFF if on a tripod.
 - Ensure the shutter speed is fast enough for the focal length and lighting conditions.
 - Verify that the lens is securely attached to the camera.
 - Clean the front and rear lens elements.
- **Lens not recognized by camera:**
 - Turn off the camera, detach and reattach the lens, then turn the camera back on.
 - Clean the lens mount contacts.

For more detailed troubleshooting or issues not covered here, please consult your camera's instruction manual or contact Tamron customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	AFA035C700 (Model A035)
Focal Length	100-400mm
Maximum Aperture	F/4.5-6.3
Minimum Object Distance (MOD)	1.5m (59.1 inches)
Maximum Magnification Ratio	1:3.6
Compatible Mountings	Canon EF
Image Stabilization	Vibration Compensation (VC)
Autofocus Motor	Ultrasonic Silent Drive (USD)
Filter Size	67mm
Dimensions (Diameter x Length)	7.8 x 3.4 x 3.4 inches (approx.)
Weight	2.45 pounds (approx.)
Construction	Moisture-Resistant, Fluorine Coating on front element

8. WARRANTY AND SUPPORT

This Tamron lens comes with a [6-Year Limited USA Warranty](#). Please retain your proof of purchase for warranty claims. For detailed warranty terms, service, or additional support, please visit the official Tamron website or contact Tamron customer service directly.

An official User Manual (PDF) is also available for download: [Download User Manual PDF](#)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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