

Nikon 3570

Nikon AF Nikkor 35-70mm f/3.3-4.5 Lens Instruction Manual

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1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Nikon AF Nikkor 35-70mm f/3.3-4.5 Lens. Please read this manual thoroughly before using the lens to ensure proper handling and optimal performance. This lens is designed for use with Nikon F-mount cameras.

2. SETUP

2.1 Attaching the Lens

1. Ensure both the camera and the lens are powered off.
2. Remove the rear lens cap and the camera body cap.
3. Align the mounting index mark on the lens barrel with the mounting index mark on the camera body.
4. Rotate the lens counter-clockwise (when viewed from the front) until it clicks into place. Do not force the lens.



Figure 1: Rear view of the lens mount, illustrating the F-mount and electrical contacts for communication with the camera body.

2.2 Detaching the Lens

1. Ensure the camera is powered off.
2. While pressing the lens release button on the camera body, rotate the lens clockwise until it detaches.
3. Attach the rear lens cap to the lens and the body cap to the camera immediately to protect the internal components from dust and damage.

3. OPERATION

3.1 Autofocus (AF)

This lens supports autofocus with compatible Nikon cameras. Set the camera's focus mode to AF. The lens will automatically focus when the shutter button is pressed halfway. For optimal autofocus performance, ensure sufficient lighting and contrast in your subject.

3.2 Manual Focus (M)

To use manual focus, set the camera's focus mode to M. Rotate the focus ring on the lens barrel to adjust focus. Use the camera's viewfinder or live view to confirm sharp focus.

3.3 Zooming

The lens features a 35-70mm zoom range. Rotate the zoom ring on the lens barrel to change the focal length. The current focal length is indicated by markings on the lens.



Figure 2: Side view of the lens, highlighting the zoom ring with focal length markings and the focus ring.

3.4 Aperture Control

This lens has a maximum aperture of f/3.3 at 35mm and f/4.5 at 70mm. Aperture is controlled via the camera body. Refer to your camera's instruction manual for details on setting aperture.

4. MAINTENANCE

4.1 Cleaning the Lens

- **Lens Surface:** Use a blower brush to remove dust. For smudges or fingerprints, use a clean, soft lens cloth specifically designed for optical surfaces, along with a small amount of lens cleaning fluid. Wipe gently in a circular motion from the center outwards.
- **Lens Body:** Wipe with a soft, dry cloth. Do not use organic solvents like paint thinner or benzene.

4.2 Storage

When not in use, store the lens with both front and rear caps attached in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing the lens with mothballs or camphor, as these can damage the lens elements.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lens does not attach to camera.	Incorrect alignment; obstruction.	Ensure index marks are aligned and rotate until it clicks. Check for debris on mount.
Autofocus is slow or inaccurate.	Low light; low contrast subject; camera focus mode incorrect.	Ensure adequate lighting. Switch to manual focus if necessary. Verify camera AF settings.
Images appear blurry.	Incorrect focus; camera shake; dirty lens.	Check focus settings. Use a faster shutter speed or tripod. Clean lens elements.

Problem	Possible Cause	Solution
Lens not recognized by camera.	Poor connection; dirty contacts.	Re-attach lens. Gently clean electrical contacts on both lens and camera with a dry, soft cloth.

6. SPECIFICATIONS

- **Brand:** Nikon
- **Model:** AF Nikkor 35-70mm f/3.3-4.5 (Model Number: 3570)
- **Focal Length:** 35-70mm
- **Maximum Aperture:** f/3.3 (at 35mm) - f/4.5 (at 70mm)
- **Lens Type:** Wide Angle Zoom
- **Compatible Mountings:** Nikon F
- **Item Weight:** 7.2 ounces (approximately 204 grams)
- **Package Dimensions:** 5.6 x 3 x 3 inches
- **Date First Available:** November 10, 2011

7. WARRANTY AND SUPPORT

This product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Nikon website. For technical support, service, or inquiries, please contact Nikon customer service.

Note: The legal disclaimer provided states: "SERIAL #4161963 FULL 14 DAY NO HASSLE SATISFACTION GUARANTEE AND A 90 DAY PARTS AND LABOR WARRANTY." This information pertains to a specific seller's offering and may not reflect the standard manufacturer's warranty. Always verify warranty details with your point of purchase or the manufacturer.

Official Nikon Website: www.nikonusa.com

