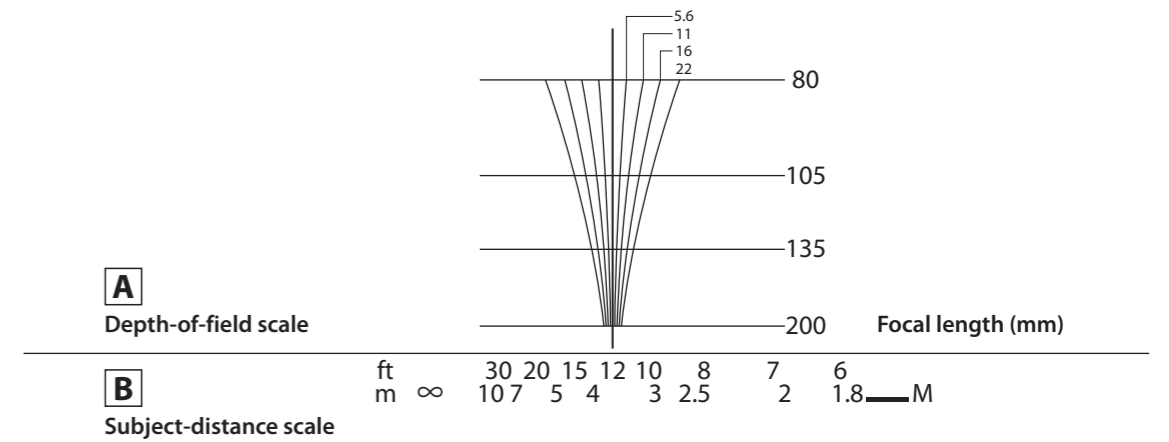


Figure A Minimum aperture lock lever



English

Thank you for your purchase of an AF Zoom-Nikkor 80–200mm f/2.8D. Before using this product, please carefully read both these instructions and the camera manual so you can get the most out of your lens now and for years to come.

This lens supports autofocus when used with Nikon autofocus cameras (F3AF excluded). It can also be used for manual focus. Mounted on a compatible camera, it supplies subject distance information to the camera body. Featuring Nikon Integrated Coating (NIC), a wideband, multi-layer anti-reflection coating that keeps flare and ghosting to a minimum for improved contrast, it is ideal for portraits, sporting events, and, when mounted on a tripod using the tripod collar, night photography.

■ For Your Safety

⚠ CAUTIONS

- **Do not disassemble.** Touching the internal parts of the camera or lens could result in injury. In the event of malfunction, the product should be repaired only by a qualified technician. Should the product break open as the result of a fall or other accident, remove the camera battery and/or disconnect the AC adapter and then take the product to a Nikon-authorized service center for inspection.
- **Turn the camera off immediately in the event of malfunction.** Should you notice smoke or an unusual smell coming from the equipment, immediately unplug the AC adapter and remove the camera battery, taking care to avoid burns. Continued operation could result in fire or injury. After removing or disconnecting the power source, take the equipment to a Nikon-authorized service center for inspection.
- **Do not use in the presence of flammable gas.** Operating electronic equipment in the presence of flammable gas could result in explosion or fire.
- **Do not look at the sun through the lens or the camera viewfinder.** Viewing the sun or other bright light source through the lens or viewfinder could cause permanent visual impairment.
- **Keep out of reach of children.** Particular care should be taken to prevent infants from putting the batteries or other small parts into their mouths.
- **Observe the following precautions when handling the lens and camera:**
 - Keep the lens and camera dry. Failure to observe this precaution could result in fire or electric shock.
 - Do not handle the lens or camera with wet hands. Failure to observe this precaution could result in electric shock.
 - Keep the sun well out of the frame when shooting backlit subjects. Sunlight focused into the camera when the sun is in or close to the frame could cause a fire.
 - If the lens will not be used for an extended period, attach the front and rear lens caps and store the lens out of direct sunlight. If left in direct sunlight, the lens could focus the sun's rays onto flammable objects, causing fire.

■ Parts of the Lens

- ① Aperture/mounting index
- ⑭ Focal length mark/tripod collar mounting mark
- ② Minimum aperture lock lever
- ⑮ Focal length scale
- ③ Aperture scale
- ⑯ Zoom ring
- ④ Minimum aperture signal post (EE servo coupling post)
- ⑰ A-M mode index
- ⑤ AF coupling
- ⑱ Macro range indicator (orange)
- ⑥ Aperture indexing post
- ⑲ Depth-of-field indicators
- ⑦ Aperture-direct-readout scale
- ⑳ Focus distance indicator
- ⑧ CPU contacts
- ㉑ Infrared compensation index (white)
- ⑨ Meter coupling ridge
- ㉒ Focus distance
- ⑩ Aperture ring
- ㉓ Focus limit switch
- ⑪ Tripod collar
- ㉔ A-M mode ring
- ⑫ Tripod collar lock screw
- ㉕ A-M mode ring release button
- ⑬ Tripod collar mounting mark

■ Notices

- Keep the CPU lens contacts clean and be careful not damage the CPU contacts.
- Do not attach the following accessories directly to the lens: PK-1 or PK-11 auto extension rings, BR-4 auto rings, or K1 rings (the PK-11A and BR-6 or BR-2A can be used in place of the PK-11 and BR-4, respectively). Failure to observe this precaution will result in damage to the CPU contacts or other parts of the lens. Other lens accessories may not be compatible with the camera; be sure to consult the camera manual before use.
- When the lens is attached to certain models of camera and then mounted on a tripod or monopod, your fingers may inadvertently contact the tripod head the camera is rotated 90° to the right so that the shutter-release button is at the bottom right corner. The tripod collar prevents this by rotating only counterclockwise; do not attempt to rotate the collar clockwise.
- The lens can not be used with the DX-1 viewfinder for Nikon F3AF cameras.

■ Focus

This lens supports A-M mode selection. To choose the A-M mode, rotate the A-M mode ring while pressing the A-M mode ring release button. Select **A** for autofocus and **M** for manual focus. Autofocus is not supported with close-up attachment lenses; select **M** when using a close-up attachment lens. Note that selecting **M** when the lens is mounted on a Nikon N2020 (sold in the U. S. A. and Canada only) or F-501 may cause the camera to malfunction.

This lens supports A-M mode selection. To choose the A-M mode, rotate the A-M mode ring while pressing the A-M mode ring release button. Select **A** when the camera is in autofocus mode; when the camera is in manual focus mode, select **M** and focus by rotating the focus ring until the image on the viewfinder screen is no longer blurred (because the effective focal length may vary when the lens is exposed to extremes of heat or cold, the focus ring is designed to turn slightly past both M and infinity). Supported focus modes are shown in the following table (for information on camera focus modes, see the camera manual). Note that selecting **M** when the lens is mounted on a Nikon N2020 (sold in the U. S. A. and Canada only) or F-501 may cause the camera to malfunction.

Lens/A-M ring	Camera		Other Nikon camera (except F3AF)
	Nikon AF (autofocus) Camera Focus mode		
	C,S or A	M	
A	Autofocus	Not usable	Not usable
M	Not usable	Manual focusing	Manual focusing

■ Zoom

Rotate the zoom ring to adjust the focal length and frame the photograph. For pin-point focus, focus with the lens at the 200 mm zoom position and then zoom out to the desired focal length.

■ The Focus Limit Switch

For faster focusing, slide the focus limit switch from **FULL** to **LIMIT**. At short focus distances, selecting **LIMIT** will restrict focus to distances in the vicinity of 0.3 m to M, while selecting **LIMIT** at longer focus distances will restrict focus to positions between approximately 3 m and ∞.

■ Macro Photography

Normally, the lens focuses at distances of from infinity to 1.8 m, but it can be focused at distances as short as 1.5 m at any focal length simply by rotating the focus ring past the 1.8 m mark. An orange line will appear in the focus distance indicator window. At the minimum focus distance and a focal length of 200 mm, the reproduction ratio is 1 : 5.9, while at 80 mm the reproduction ratio is 1 : 14.

■ The Infrared Compensation Mark

Focus distance	Compensation angle	Compensation from distance index line (on focus distance scale)
80 mm	428'	3.39 mm
105 mm	221'	1.78 mm
135 mm	115'	0.95 mm
200 mm	031'	0.39 mm

■ The Minimum Aperture Lock Lever (Figure A)

Lock aperture at f/22 when shooting in programmed auto or shutter-priority auto mode.

- 1 Rotate the aperture ring to the minimum aperture setting (f/22).
- 2 Slide the lock lever toward the aperture ring so that the white dot on the lock lever aligns with the orange dot.

To release the lock, slide the lever in the opposite direction.

■ Focusing Screens

The cameras in the "Focusing Screens" table support a variety of focusing screens for use with different lenses or in different situations. The screens listed in the table are suited for use with this lens.

When using B2/B3, E2/E3, or K2/K3 screens with cameras not listed in this table, refer respectively to columns B, E, or K.

Camera	Screen	EC-B/EC-E	A/L	B	C	D	E	G1	G2	G3	G4	H1
F6			⊙	⊙			⊙					
F5+ DP-30		⊙	⊙	⊙			⊙			○ (+0.5)		
F5+ DA-30		⊙	⊙ (+0.5)	⊙			⊙			○		
F4+ DP-20				⊙			⊙			⊙ (-1.0)		
F4+ DA-20				⊙			⊙			○ (-0.5)		
F3			⊙	⊙	○		⊙			○		

Camera	Screen	H2	H3	H4	J	K	P	M	R	T	U	F
F6					⊙							
F5+ DP-30					⊙							
F5+ DA-30					⊙ (+0.5)							
F4+ DP-20					⊙	⊙	⊙					
F4+ DA-20					⊙	⊙	⊙					
F3		○	○		⊙	⊙	⊙		△		⊙	

- ⊙: Recommended.
- : Vignetting visible in viewfinder (photographs are not affected).
- △: Split-screen display does not improve focus accuracy.
- (): Figures in parentheses give the exposure compensation for center-weighted metering. Select "Other screen" for Custom Setting b6 ("Screen comp.") when adjusting exposure compensation for the F6; note that with screens other than B or E, "Other screen" must be selected even when the value for exposure compensation is 0. Users of the F5 and F4 can adjust exposure compensation using Custom Setting 18 or the focusing screen exposure compensation dial, respectively; see the camera manual for details.

Empty cell: Not suited to use with this lens. Note that type M screens can however be used for photomicrography and macro photography at magnifications of 1 : 1 or higher.

■ Lens Care

- Use a blower to remove dust and lint from the lens surfaces. To remove smudges and fingerprints, apply a small amount of ethanol or lens cleaner to a soft, clean cotton cloth or lens-cleaning tissue and clean from the center outwards using a circular motion, taking care not to leave smears or touch the glass with your fingers.
- A lens hood or NC filter can be used to protect the front lens element.
- Attach the front and rear caps when the lens is not in use.
- Keep the lens dry. Rusting of the internal mechanism can cause irreparable damage.
- If the lens will not be used for an extended period, store it in a cool, dry location to prevent mold and rust. Do not store in direct sunlight or with naphtha or camphor moth balls.
- Leaving the lens in extremely hot locations could damage or warp parts made from reinforced plastic.

■ Compatible Accessories

- 77 mm screw-on filters
- Bayonet Hood HB-7

■ Specifications

Focal length	80 mm – 200 mm
Maximum aperture	f/2.8
Lens construction	16 elements in 11 groups
Angle of view	30° 10' – 12° 20'
Focal length scale	Graduated in millimeters (80, 105, 135, and 200)
Distance information	Output to camera
Zoom	Manual zoom using independent zoom ring
Focusing	Focus ring
Macro focus	Macro focus is available at all focal lengths; minimum focus distance is 1.5 m; maximum reproduction ratio is 1 : 5.9
Focus distance indicator	Graduated in meters and feet from 1.8 m to infinity (∞), 1.5 m to 1.8 m in macro focus mode
Focus limit switch	∞–M (1.5 m), ∞–3 m, 2.5 m–M (1.5 m)
Aperture scale	f/2.8–f/22 on both standard and aperture-direct-readout scales
Minimum aperture lock	Provided
Infrared compensation indices	Two white dots are provided at the 80 mm focal length
Diaphragm	Fully automatic
Metering	• CPU/AI cameras: Full aperture • Other cameras: Minimum aperture
Mount	Nikon bayonet mount
Filter-attachment size	77 mm (P = 0.75 mm)
Tripod mount	Built-in tripod collar rotatable through 290°
Dimensions	Approx. 87 mm maximum diameter × 187 mm (distance from camera lens mount flange); overall length is approx. 195 mm
Weight	Approx. 1300 g (2.9 lb)

Nikon reserves the right to change the specifications of the hardware described in this manual at any time and without prior notice.