



Focusing Screen Installation Guide

For the Nikon D3100/D3200/D5100/D5200/D5300

Installation Guide: Nikon D3100/D3200/D5100/D5200/D5300

Thank you very much for your purchase of a KatzEye™ focusing screen. This document provides installation instructions for the Nikon D3100, D3200, D5100, D5200, and D5300 cameras. The installation of the KatzEye™ screen requires no modifications to the camera, and when properly performed, is completely reversible. For best results, please read completely through the instructions before beginning the procedure.

WARNING: THESE INSTRUCTION ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. KATZEYE™ OPTICS ACCEPTS NO LIABILITY FOR DAMAGE RESULTING FROM USING THESE INSTRUCTIONS. SHOULD DAMAGE OCCUR AS A RESULT OF FOLLOWING THESE INSTRUCTIONS, THE USER WILL ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. KATZEYE™ OPTICS' LIABILITY IS LIMITED TO REPAIR OR REPLACEMENT OF PARTS SUPPLIED BY KATZEYE™ OPTICS, AT OUR SOLE DISCRETION.

Note: Pictures are available in larger format on the internet. Just click the links.

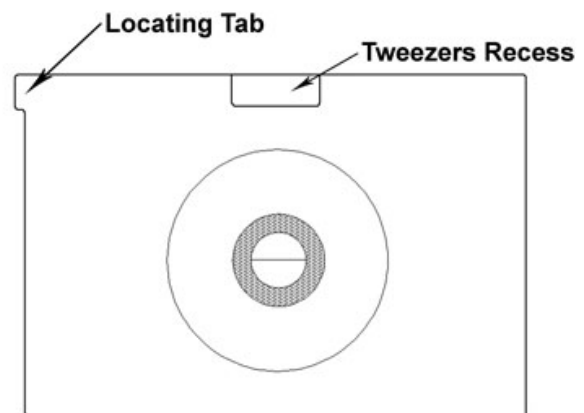
1. Set up a work area which is relatively free of dust and has a soft surface on which to place the camera.
2. Collect the necessary tools and supplies. You will need:
 - a. Tweezers, common household, broad-tipped
 - b. Spring Wire Tool (supplied)
 - c. Bulb blower
 - d. Rubber gloves (optional), powder free
3. Before removing the lens or body cap, use a bulb blower or cleaning brush to remove dust around the lens mount. This will help prevent dust from getting into the viewfinder.
4. Remove the lens from the camera and note the position of the focusing screen. Also, note the features of the focusing screen shown on the right. The locating tab and tweezers recess are the safe areas for handling the focusing screen. Touching the screen by edges or at these locations is safe, but contact with any other part of the focusing screen can cause damage to the delicate surfaces.



Click Photo to Enlarge

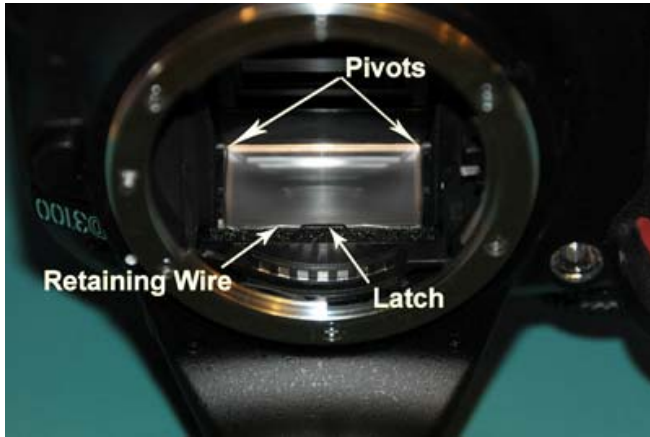


Click Photo to Enlarge



Click Photo to Enlarge

5. Turn the camera upside down with the lens mount facing you. Note the position of the retaining wire, latch and the pivot points of the retaining wire. It will be helpful to examine the full size version of these photos which are available on the internet by clicking the photos.

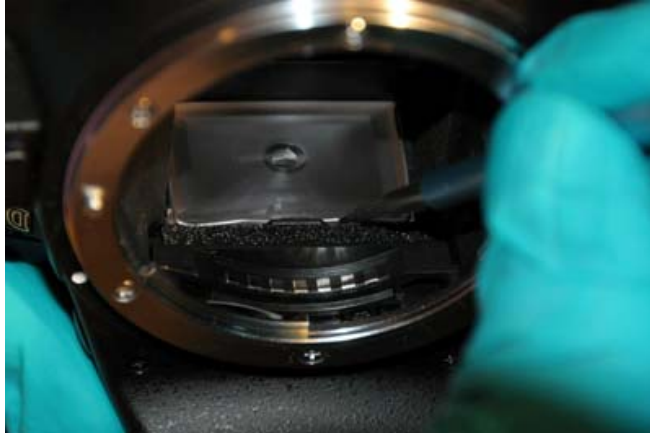


[Click Photo to Enlarge](#)

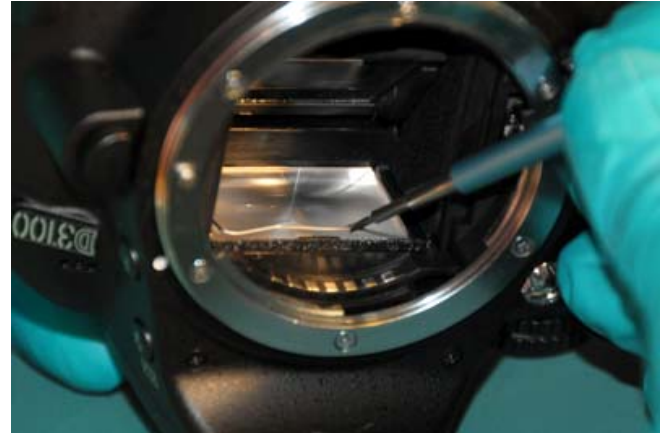


[Click Photo to Enlarge](#)

6. Release the retaining wire by gently lifting it over the latch and pivot the wire toward the main mirror. In order to reach the wire, the tool will need to be positioned just to the left or right of the central catch. **ONLY A SMALL AMOUNT OF FORCE IS REQUIRED – BE GENTLE! IF THE WIRE DOES NOT UNLATCH EASILY, CHECK THE POSITION OF YOUR TOOL BEFORE PROCEEDING. BE VERY CAREFUL NOT TO ALLOW THE TOOL TO SLIP OFF THE WIRE TOWARD THE SCREEN AND DO NOT USE EXCESSIVE FORCE – PERMANENT DAMAGE MAY RESULT!!**



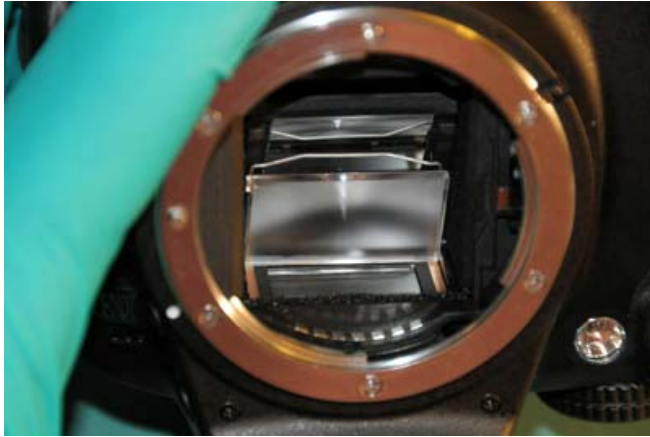
[Click Photo to Enlarge](#)



[Click Photo to Enlarge](#)

-- Please Continue on Next Page --

7. Pivot the retaining wire fully toward the mirror, tip the camera, and allow the focusing screen to fall toward the retaining wire. If a shim (flat metal rectangle) comes with the screen, return it to the seat – shims must remain installed! Being very careful to grasp only the handling tab on the screen, remove the screen from the camera.

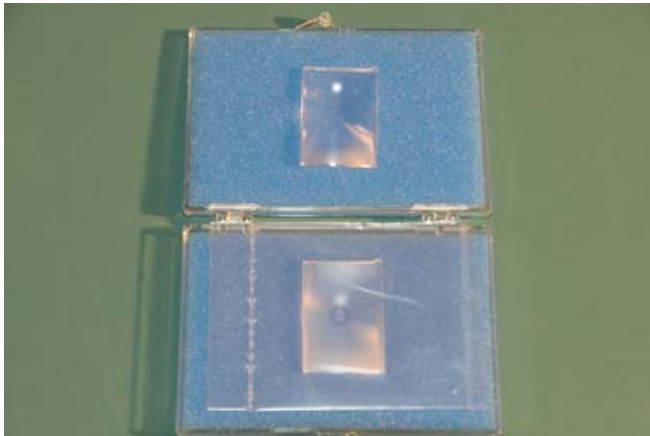


Click Photo to Enlarge

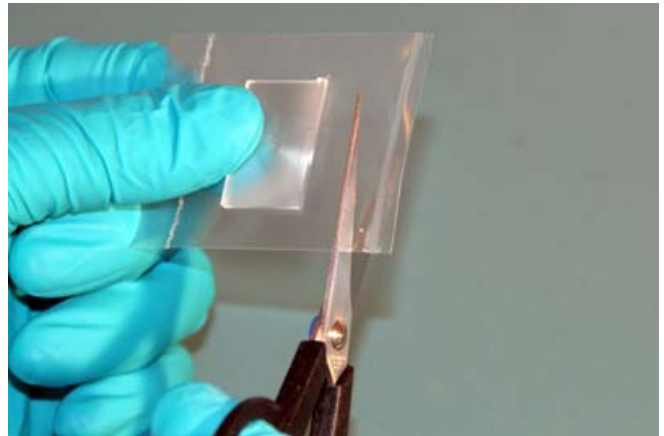


Click Photo to Enlarge

8. Place the removed screen on the foam padded lid of the opened case of the KatzEye™ focusing screen. Carefully cut the seal off of the KatzEye™ screen with a scissors. Keep the special non-scratching bag to use for storing the original screen.

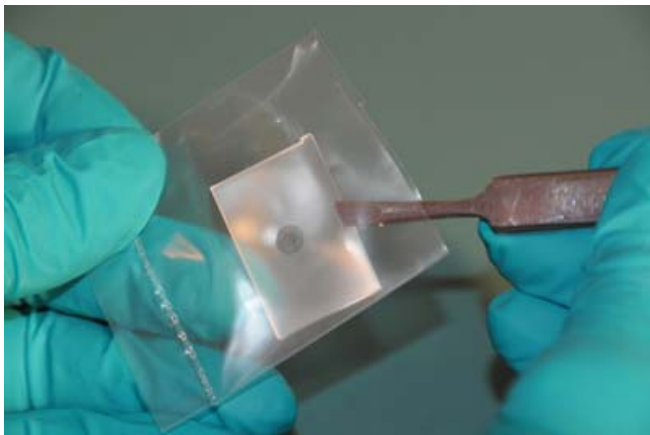


Click Photo to Enlarge



Click Photo to Enlarge

9. Again being careful to touch only the handling tab, remove the KatzEye screen from the protective bag and insert it into the camera. **Do not touch the screen with your fingers!**

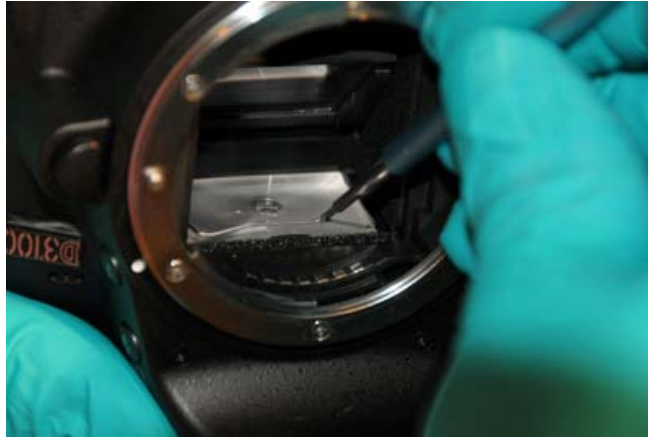


Click Photo to Enlarge



Click Photo to Enlarge

10. Check to be sure the screen is sitting flat in the frame. Tip the retaining wire toward the latch and gently press it into place. In order to properly access the wire, the tool needs to be positioned just to the left or right of the central catch. If great resistance is encountered, check the tool position before proceeding. **DO NOT USE EXCESSIVE FORCE AND BE VERY CAREFUL NOT TO ALLOW THE TOOL TO SLIP OFF THE WIRE TOWARD THE SCREEN – PERMANENT DAMAGE MAY RESULT!!**



Click Photo to Enlarge

11. If necessary, blow any dust out of the mirror chamber with the bulb blower. Attach a lens and test the camera functions. If the camera functions correctly, the installation is complete. If any problems are encountered, please contact KatzEye™ Optics technical support for assistance.

Installation Complete

Technical Support

Technical support is available by email to customerservice@katzeoptics.com. We strive to return all emails within 24 hours. Technical support is also available by phone at +1.413.743.2523 between the hours of 8:00am and 6:00pm Eastern Standard Time (GMT-5:00), Monday through Saturday. If we are not available, please leave a brief message, including your name and phone number, and we will call you back as soon as possible and always within 24 hours.

If you do not wish to complete the installation yourself, KatzEye™ Optics can provide installation services. Please visit the KatzEye™ Optics website, www.katzeoptics.com to purchase our installation service. We would also be happy to advise your choice of local camera shop regarding the installation procedure. Thank you very much for your purchase of a KatzEye™ focusing screen and may the world favor you with abundant photo opportunities.

Take care,

Rachael Katz – Co-Owner, KatzEye™ Optics

Addendum A: Screen Alignment

Because of the high precision manufacturing of the KatzEye focusing screen, the viewfinder markings (AF points, etc.) should align well to the prisms and markings of the KatzEye focusing screen with no special procedures. Because of parallax, the position of your eye in the viewfinder can shift the apparent alignment considerably. So before concluding there is an alignment problem, move the camera back and forth slightly in front of your eye to be certain your eye is properly centered in the viewfinder.

The alignment should be close without any special alignment, as long as the screen is installed correctly. If the alignment appears very far off, it is recommended to check for correct installation before proceeding. It also bears repeating that the apparent alignment can shift substantially based on the position of your eye in the viewfinder, so you might want to move your eye around a bit to be sure that there is actually a discrepancy. Also, bear in mind that the alignment of the markings will not affect the focusing accuracy in any way. However, if it is determined that there is an alignment discrepancy, the design of the camera does allow the screen to be shifted very slightly in its frame. It can only shift the alignment a very small amount; but if you see a misalignment that is troubling, it is possible to move the screen to achieve perfect alignment. It is not necessary, nor desirable, to remove the focusing screen to perform the alignment. Simply unlatch the retainer wire, give the camera a gentle nudge, and re-latch the wire.

Please note that because of the optics of the pentaprism, left/right motion of the screen is reversed; in other words, if the prism appears too far to the right, it will actually need to move to the right to correct the alignment. And if it appears too far to the left, it will need to move to the left. Vertical alignment is not readily adjustable. The alignment of the markings will not affect the accuracy of the focusing functions in any way; so once the alignment is close enough to be visually acceptable, the process is complete.