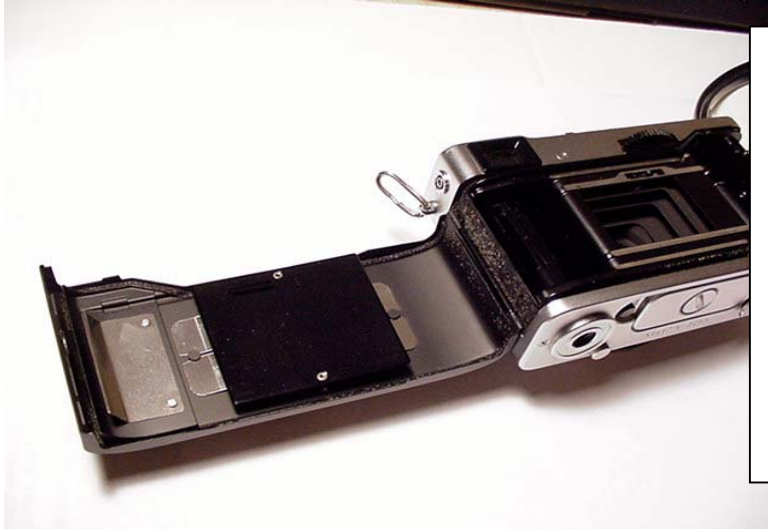


## ProSeal Instructions for Olympus-35 EC

Please read these instructions completely before you start. Knowledge strengthens confidence, and like most jobs, this is better done right the first time. I think you'll find it rewarding and fun, and I've tried to keep things as easy and logical as possible. This is a very interesting rangefinder, and the job you're doing now is very important in repairing one of its most common problems.

Here are some things you may need: (1) a safe surface to work on—I like to use a piece of cardboard about 1.5' by 1.5', but you can work on fiberboard, newspaper or anything else handy—the important thing is to protect the surface beneath you. (2) Solvent--Naphtha (cigarette lighter fluid is the same thing) or denatured alcohol are what I would use. (3) 2 or 3 paper towels. (4) some toothpicks or your bamboo tool—if you have access to a wooden cuticle stick, this is a handy tool. (5) a safety razor blade, hobby knife, or small scissors. (6) a small screwdriver (7) a pair of tweezers (8) a metal ruler or straightedge for cutting the foam. Now, let's take a look inside your camera:



To the left, you see old deteriorated foam on the top inside edge, the hinge end and the lower inside edge of the film door. We'll begin to clean and replace that in a moment, but first...To make your work easier, you may want to remove the film pressure plate. This is done by sliding the assembly backward until it is free from the post which holds it. Please note: one side of it is different. Please see below:



As you see in the left frame above, the side near the end of the film door has a circular notch cut into it. Slide the side closest to the hinge back until it is free, and then you can remove the other end. You will feel a "click" as this is disengaged. In the far right image, you can see I'm saturating the old hinge seal foam with solvent. I'll let this sit a moment or so to loosen the old foam/adhesive, and below, you'll see I'm using my bamboo tool to clean the old foam from it. When this is done, I'll use a bit of paper napkin and solvent to finish cleaning the area.



To the left, you can see I'm cleaning the hinge end seal. After applying solvent to loosen it, I use the wide end of my bamboo tool to lift and remove the old foam and adhesive. I will also use a bit of paper towel soaked with solvent to further clean the area of all traces of adhesive. If you want to cut the replacement seal for this piece, you may do so at this time. It is cut from 1.5mm thick self-adhesive foam, and the dimensions are 7mm wide x 44mm long.

Your work will go better if you are patient and give the solvent time to dissolve and loosen the old adhesive. IMPORTANT NOTE: Observe the precautions on the solvent can. Work in a well-ventilated area and avoid too much skin contact or contact with eyes, and don't drink it.



Above, I clean the film door the way I cleaned the hinge area. When finished, I will use a strip of 1mm thick self-adhesive foam to re-seal the door edges (2.5mm wide by about 120mm long). Clean the door edges very well. In the middle image, you see I have run the seal down from the hinge area to where that slot ends, and in the final image to the right, you see I have run another piece across the angled slot up and around the back side of the little baffle plate. Please remember to **lick** the foam before you install it. When it is wet it will install much easier and you can press it down for the final installation when it is dry. Repeat this for the bottom edge...it is simply a straight piece of foam.

~~About the area behind the latch baffle~~

You may have noticed the original foam ran around behind the latch baffle for about 10-12mm. We can do the same thing, or you can trim it to stop at that baffle plate. Either way works. Here is a look:



If you look to the left, you can see I've wrapped the strips around the back side of the baffle. They are still wet since I licked them before installing them. I have the freedom to move them for about 20 minutes, and I can adjust their position during that time. I will use my bamboo tool to push them down where I want them to be. Do these pieces do any good from a sealing standpoint? I don't think so. I was just copying the original design.



To the left, you will see one other sealed area we'll need to clean. Inside the upper and lower body slot there is a foam seal. You can clean that slot out using the same method you used before...the bamboo tool and a piece of napkin + solvent. Be sure to clean the area well. The thin end of the bamboo tool was designed to let you clean these slots easily. You may need to run several pieces of paper towel to remove all the old seal from the slot, and please note that slot runs all the way from end to end.



With the slots completely cleaned, we can replace the foam seal in those. In the first frame above, I start a "Seal Strip" into the slot at the end. I push it into place with the thin end of the bamboo tool, being careful not to twist it. The coated or "glossy" side faces up, as you can see. In the second frame, I continue around the curve, and in the final frame, you can see how I guide the strip along, through the area where the slot curves. Do not worry that no adhesive is used. This strip has been carefully designed so that sidewall pressure will keep it in the slot indefinitely. At the end, you will trim the strip so it finishes in the slot: You will see the strip seems too thick for the area where the slot turns, but it isn't. After your film door has been closed for an hour, you should be pleased to see this will form to the slot perfectly. Repeat for the bottom slot.



The hinge seal installed. Please note the seal does not cover the body slots but stops just at the edge of them. At this point, your camera is almost like new again!

Now you may re-install the film pressure plate. Please remember the side facing the latch side had the small notch in it. I'd install that side first and the other side next. When finished, please close your door for a few hours to let your camera and new seals adjust to each other.

Now you're finished, and your camera is ready to enjoy.

~~NOTES ON NEXT PAGE~~



These instructions were given to you as an accompaniment to a general seal kit, or for any of several reasons. You should be able to easily cut your own seal pieces from the material in my kits, and you should **never** use inferior materials as a substitute. Using the best costs no more. Remember—your camera is a precision piece of equipment. There is no wisdom in compromising it or risking damage by using low-grade foam or foam of an improper thickness or density.

About licking the self-adhesive side: You'll be working with small pieces of foam with one sticky side, and you'll be working in close quarters. Make it easy on yourself by **licking the adhesive side before you install the pieces.** This will de-activate the adhesive temporarily, and keep the material from sticking to your fingers or tweezers as badly, too. After 20 to 30 minutes, your saliva will be dry, and you can press the piece down for a final seal.

Jon Goodman --- 2007