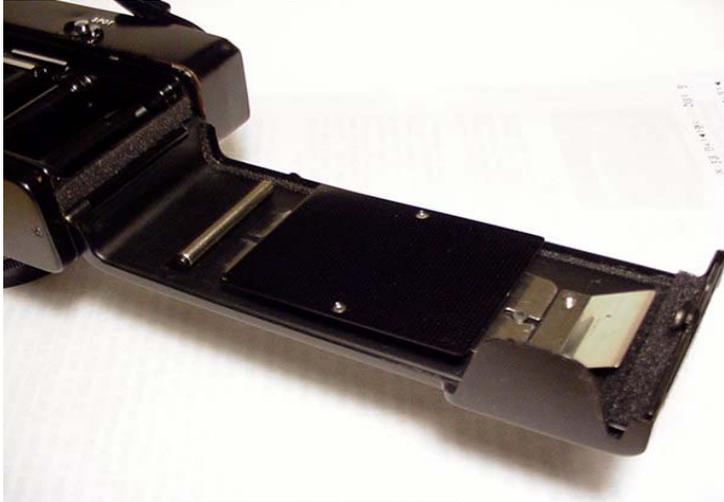


ProSeal Instructions for Olympus-35 SP

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.

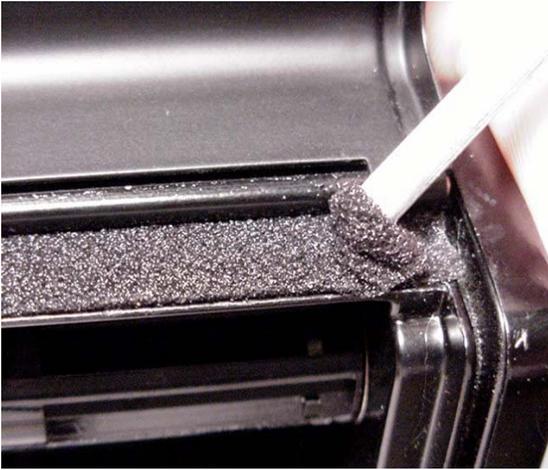
Here are some things you may need: (1) a safe surface to work on—I like to use a piece of cardboard about 1.5' by 1.5', but you can work on fiberboard, newspaper or anything else handy—the important thing is to protect the surface beneath you. (2) Solvent--Naphtha (cigarette lighter fluid is the same 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 latch end of the film door. You will also notice there is an oddity at the latch end in that there is a foam seal beneath the actual latch end seal. It seems to do nothing at all, and for that reason, we will not replace it. 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...



As you see in the left frame above, the side near the film roller has a circular notch cut into it. You will feel a "click" as this is disengaged. In the center image, you can see I'm saturating the old foam with solvent. I'll let this sit a moment or so to loosen the old foam/adhesive, and in the last frame, you can see I'm using a bit of paper towel and my bamboo tool to clean the old foam from the film door. Work carefully with the paper napkin piece and solvent to completely clean the film door of all the old foam, and then be sure to wipe the edges of the film door, too. Those will have old deteriorated foam on them, and you want the film door as clean as new again. Try to use bamboo or wooden tools so as not to scratch the paint.

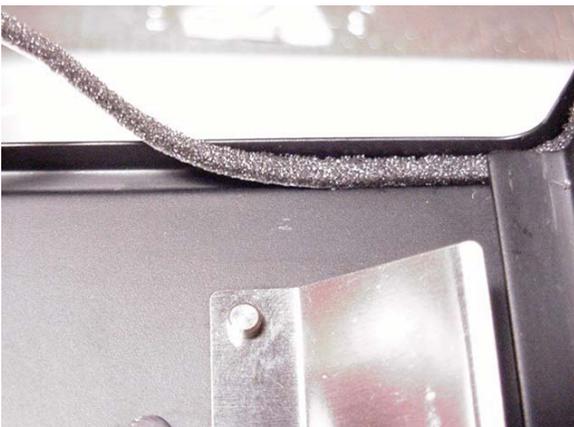


To the left, you can see I'm cleaning the hinge end seal. After applying solvent to loosen it, I use the wide end of my bamboo tool to lift and remove the old foam and adhesive. I will also use a bit of paper towel soaked with solvent to further clean the area of all traces of adhesive. If you want to 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 6mm wide x 46.5mm long.

You may use a toothpick with the end broken off, the wide end of your bamboo tool, a wooden cuticle stick, or anything that will not damage the paint. When finished, wipe with a paper towel and solvent. 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.



To the left, you will see one other sealed area we'll need to clean. Inside the 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 film door area completely cleaned, we can replace the foam seal on the top edge as well as the hinge seal area. For the long thin foam pieces along the top edge, please use 1.5 mm thick foam cut to a width of 2mm. The piece is about 7 inches long, and you'll trim to fit. In order to make this foam easier to install, lick the adhesive side first. This will de-activate the adhesive for a short while,

and it will give you time to position the piece as you want. Trim at the end to match the original manner in which the foam was installed. Begin at the latch end (originally you will recall this foam piece ran a little more than halfway up the latch end—please see final image in these instructions). Install the foam in the slot a bit at a time, as you see I've done in the first frame above. If you've **licked** the adhesive side, you'll be able to locate it right where you want it to be. At the hinge end, you will replace the seal with a piece of 1.5mm thick foam cut 46.5mm mm x 6mm. You may **lick** this piece before positioning it, also. That piece is butted up to the hinge. After you position these pieces, set the camera aside for 30 minutes or so. Your saliva will dry and you can then press the pieces down for a final installation.



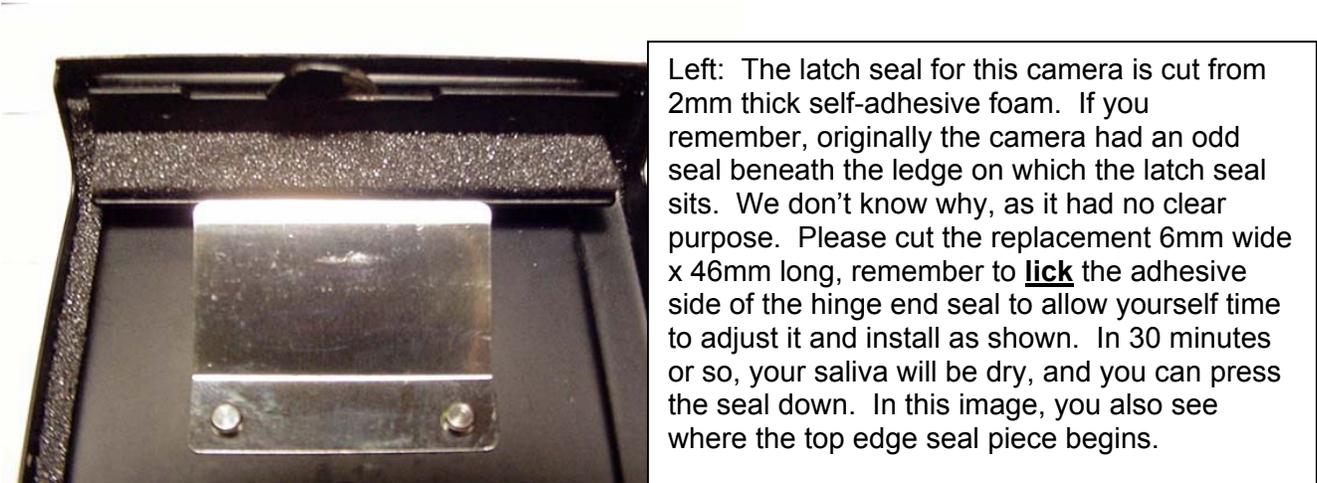
The hinge seal installed. Please note the seal does not cover the body slots but stops just at the edge of them. Also, the seal piece fits so that just a bit of the body shows above it. I have tried to lighten this image so you can see that.



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, pushing gently into place with the bamboo tool. I will continue the strip all the way to the latch end, following the slot through the cutout for the film canister and over the "hump." 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:



~~THE LATCH END~~



At this point, you may re-install the film pressure plate. Please remember the side facing the film roller had the small notch in it. I'd install that side first and the other side next.

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

~~NOTES~~

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. Do not compromise it or risk damaging it 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 have dried, and you can press the piece down for a final seal.

Jon Goodman --- 2007