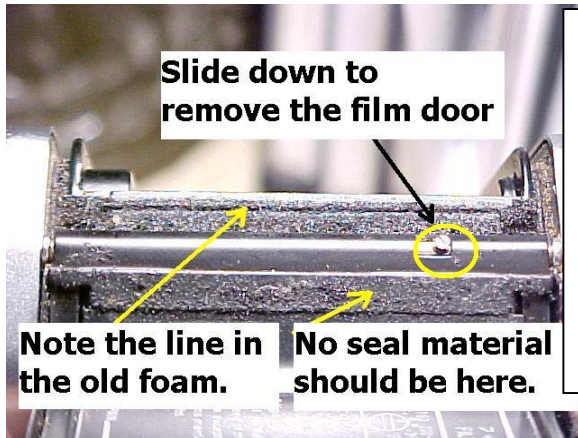


ProSeal Instructions for Olympus OM-1n style SLR (OM-1 note at end)

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 well-designed SLR, 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) Naphtha (cigarette lighter fluid is the same thing) or denatured alcohol for a solvent. (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. Now, let's begin working on your camera:



As you look at the hinge end, you'll see a deteriorated old foam seal there. It may look as if it was applied to the film door and the body, but it wasn't. It was only applied to the camera's body, and that is how we'll replace it. In order to make your work easier, you may slide the little pin down and remove the film door. The film door on the model I'm servicing is the "data back", but that won't make any difference. Both doors were essentially the same on this model. Note the line in the old foam. You'll see that again...



Upper left: I'm using paper towel and solvent to clean old residue off of the film door. I will also clean the edges of the film door the same way.
Upper right: The door is all clean and nice again.



Lower left: In preparing to clean the old foam off, I see the leatherette is lifting. We'll fix that. In the meantime, I wet the old foam with solvent and let it sit a minute.
Lower right: I use the large end of the bamboo tool to remove the old foam. Also use paper towel/solvent to finish.



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. I prefer Naphtha and Denatured Alcohol to other solvents, because it is safe on plastics, most paints and it evaporates slowly. If you use much of it, or if you want to keep it handy, you can store it safely in an old contact lens cleaner bottle. This will provide a handy dropper also.

Below are four frames showing the process of repairing the separated leatherette. You can apply this lesson to any camera, and if you need the double-sided pressure sensitive adhesive, please e:mail me. It is the finest made and just what professional camera repairers use. Since I purchase it in bulk, I am able to pass savings on to you. For \$5, I can send you two nice sized pieces of it.



Peel back about 3/4 inch and scribe a line through the old adhesive. Then peel it off with your fingertip.


Peel back leatherette to gain access to the old adhesive, scribe a line just through the adhesive (do not cut the leatherette) and remove with your fingertip. Clean this area (and the camera body) well with solvent. Cut a piece of double-sided adhesive to fit the area you've cleaned and remove one piece of backing paper. Fit it to the area, remove the other backing paper, and press it into place....

After removing old adhesive, clean well with solvent.

Cut & fit double-sided pressure sensitive adhesive to the spot you've cleaned...

Like new again! No more ugly gap.

Now we're going to clean out the rail slots on the camera body and replace those seals. Here's how:



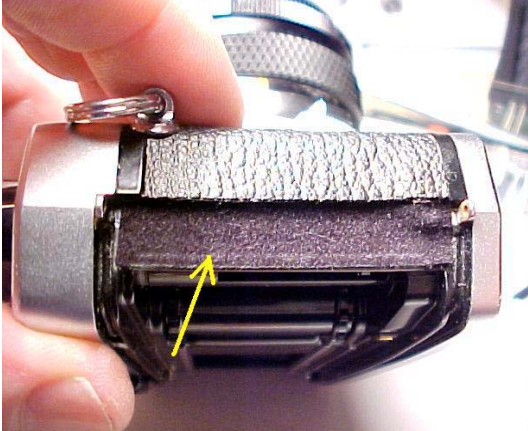
First, run a toothpick with the end broken off or the narrow end of your bamboo tool through the slot to remove the gunk. Repeat if needed, working away from the frame counter reset lever, and don't push old seal material into the frame counter reset area. Then run a small piece of paper towel with a little solvent on it through the slot to finish cleaning it. You'll probably need to repeat this a few times until the slots are really clean.

Next, take a long 2mm piece of seal material from your kit and press it into the slot using your fingertip. Start at the frame counter reset lever (but don't cover it or go underneath it) and work toward the latch end. Gently press the seal into the slot with the thin end of your bamboo tool, and don't let the seal material turn or twist. Don't worry that there is no adhesive. With this seal you don't need it. I designed it so the pressure of the seal material against the channel walls will keep it in place perfectly and provide a full-channel and completely effective light baffle. Here's a picture:



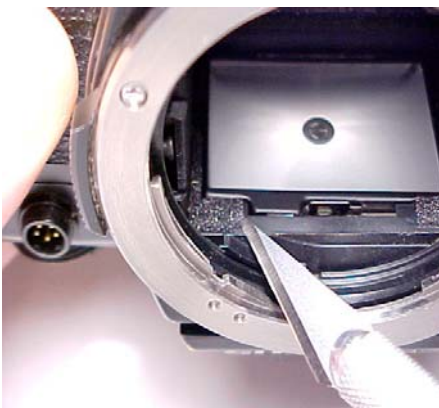
When you reach the end, use a razor blade, small knife or tiny scissors to trim the excess so the strip will finish at end of the rail slot. Using the small piece left from what you just trimmed off, repeat this procedure for the part of the slot starting at the film frame reset and extending to the hinge end (or vice-versa if you prefer). Repeat for the lower slot. Now, with a blunted toothpick or your bamboo tool, trace the seal's length, pressing it gently down into its slot to seat it. Don't poke into it or damage it. Now, close your door. It is normal to feel resistance from your new seal material. Don't worry unless the resistance seems excessive. If you encounter too much resistance, make sure you got your seal material neatly tucked into the ends at each end of the slot.

You will want to be sure to install so the glossy side of the strip (there are two glossy sides) faces upward in the slot. Next, clean the edges of the film door with a little naphtha on a piece of paper towel. They'll usually have sticky residue on them, and you don't want this to ruin your new seal.

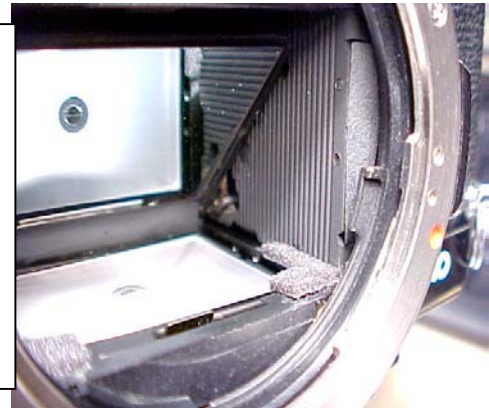


For replacement seal at the hinge, I'm using the 1mm self-adhesive fabric seal material in a 44mm x 8mm. You can also use the 1mm self-adhesive foam material, however I prefer the fabric seal in this application. If you will **lick** the adhesive side before you install it, you will find it easier to position and get a professional fit. This delays the adhesion for a few minutes. As you look at the image to your left, please note the small faint line across it. This was made when the film door was replaced to double-check the thickness. It assures that you will have a light-tight seal, and it lets you know just how thin the space between the camera body and the film door is.

~~The Mirror Damper~~



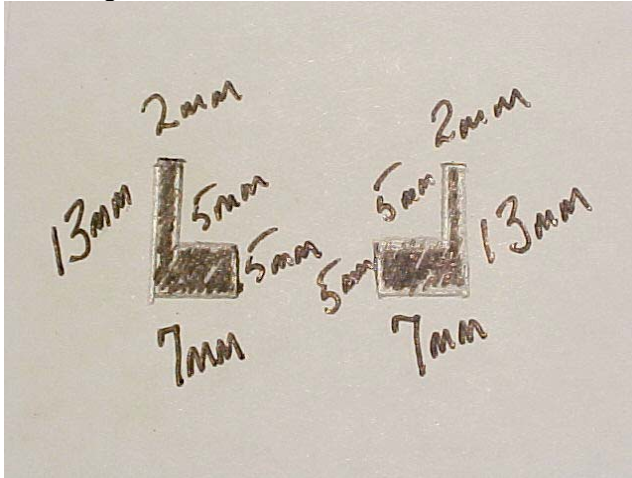
Left: I use a sharp X-Acto knife to cut right under the old seal pad and lift it up. Do this carefully, and use tweezers if you need to remove bits. Right: I have cut my new pieces, **licked** the adhesive side and set them in place to dry. See below for explanation...



Above left, you can see I've removed the old damper pad. I cut the new pad from 1.5mm self-adhesive foam, **lick** the adhesive side and set it in place lightly with tweezers before pressing it down for the final fit. Hint: you can watch your work in the mirror. Another hint: If you need to clean the mirror of an SLR, use a Q-Tip with both ends covered in lint-free fabric. Secure the fabric to the shaft of the Q-Tip with a piece of tape. Wet one end with Windex and clean the mirror using almost no

pressure at all...the same pressure you would use if you were touching your bare eyeball with your finger! Dry with the dry end of your Q-Tip.

As I said, I use a sharp X-Acto knife to remove the old damper pads. I slice under them carefully, and I use tweezers to pick up little bits. Be careful not to get bits on the focus screen. Follow instructions in my general seal kits, also. When I've removed the old pads, I'll cut two new pads following these dimensions:



Cutting these pieces is not difficult. Use the 1.5mm open-celled foam, and you may use sharp scissors and/or a sharp razor type knife. If you want to make the pieces black, use a permanent marker...a black felt tipped pen. I left them charcoal so they would contrast more and show up better. After a few minutes (10-15), the seals will be dry and you can press them into place for a final fit. When all is done, I usually set the camera to "B" and operate the shutter to be sure the mirror and damper pads are working well together.

Now, we're finished and ready to enjoy this camera 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 cut your own seal pieces from my seal material, using the instructions in your seal kit. If you have any questions, please let me know at jgood21967@aol.com or Jon_Goodman@yahoo.com.

OM-1 Note

