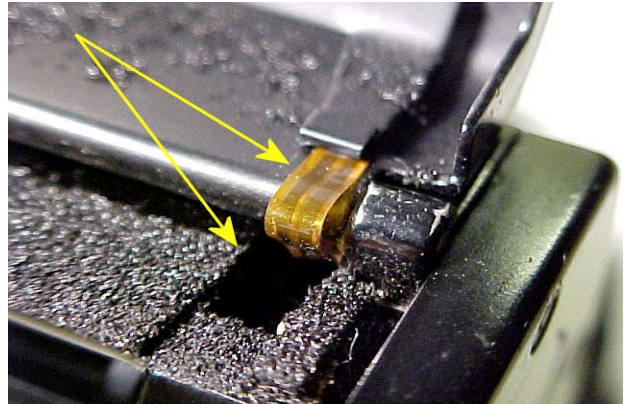
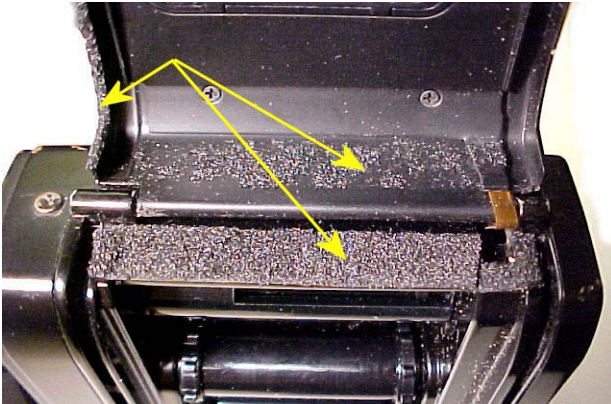


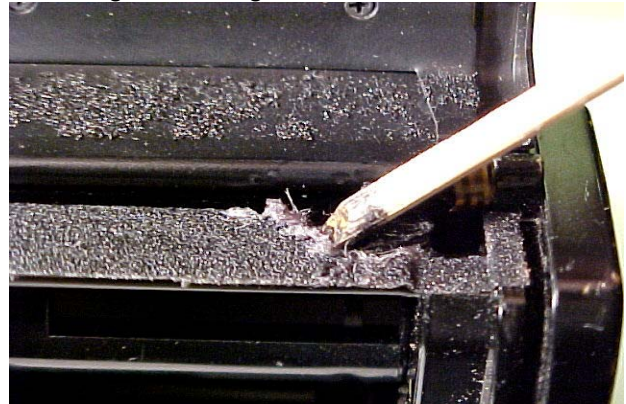
ProSeal Instructions for Olympus OM-10 style SLR—Data Back Model

Please read these instructions completely before you start. Knowledge strengthens confidence, and like most jobs, this is better done right the first time. This is not an easy camera to re-seal, however I have tried to keep the work as logical and straightforward as possible for you.

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:



Above, you'll see old deteriorated and gummy foam. As you look at the image to the right, you'll see the connector for the data back. Below, you can see how I begin cleaning this old seal off:



Using a dropper bottle, I wet the old seal and let the solvent loosen it. Then, using the large end of my bamboo tool, I work at removing the old seal carefully. I will clean this area with a piece of paper towel soaked in solvent until I get it really nice and clean:



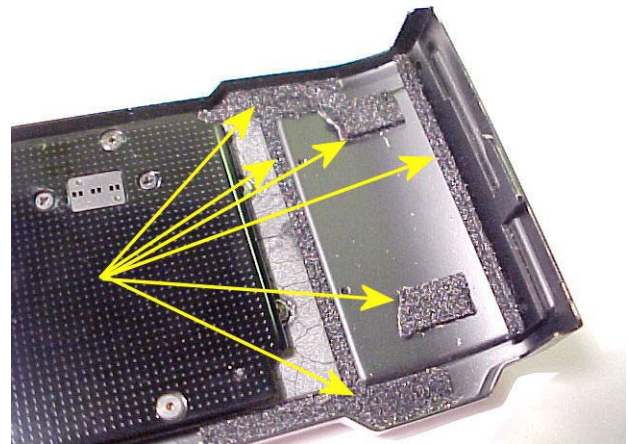
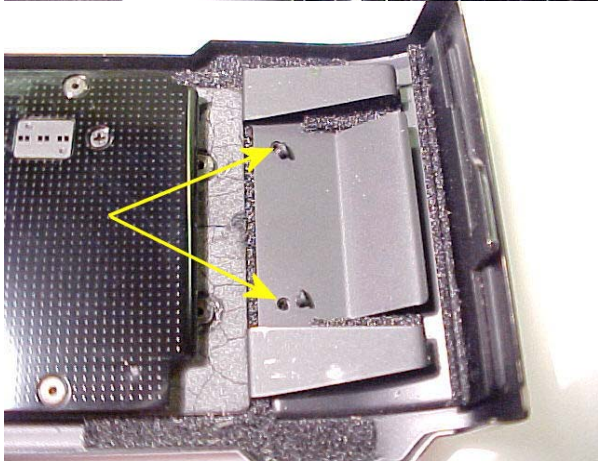
When this area is clean, I will use a piece of paper towel with solvent to clean the edges of the film door all the way down, top and bottom.

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 Denatured Alcohol and Naphtha 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.

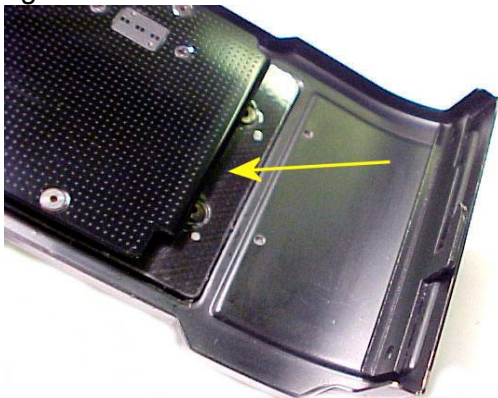
Now we're going to clean out the rail slots on the camera body and replace those seals. Here's how:



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 need to repeat this a few times, until the slots are really clean. Clean both the top and bottom film door slots.



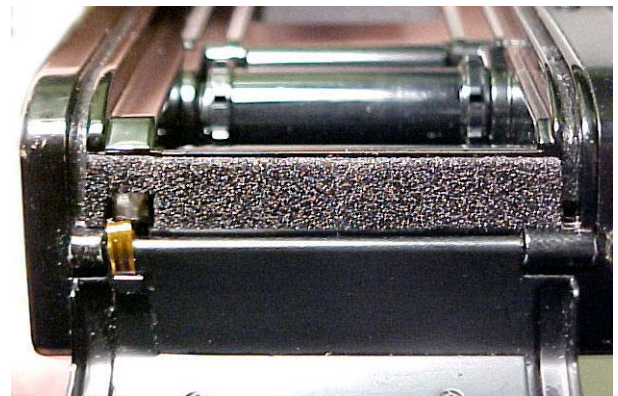
Above, left, please remove the film canister retainer. It is held by two tiny screws. Set these aside so you will not lose them. You will notice there are two 1.5mm foam pieces under the retaining springs, and part of those will remain on the film door and the other part will stay with the retainer. Using solvent, the bamboo tool and paper towels with solvent, I will clean up all the areas shown above right.



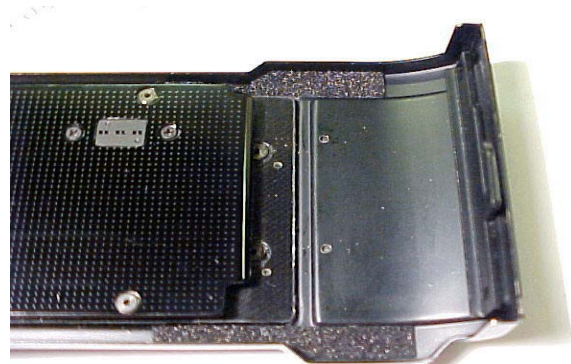
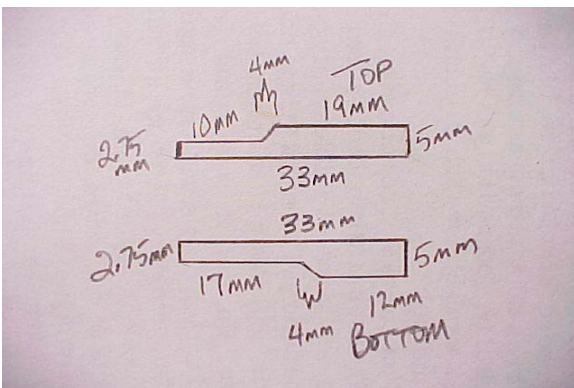
In the image to your left, you can see I have cleaned the entire area nicely. This can take you as long as an hour to an hour and a half. You should have a nice glass of iced tea while you do this. You can have a drink. Lemonade is good, too. The arrow to the left points to an area which is covered by some foam. As you clean the old off, this will also dissolve. You can clean it off as I have done. It didn't really seal anything.



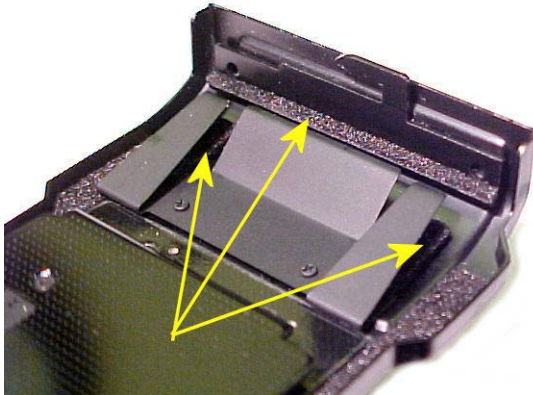
Now, let's re-seal the film door body slots. Take a long 2mm piece of seal material from your kit and press it into the slot using your fingertip at the end near the hinge end. Follow around toward the frame counter reset lever (but don't cover it or go underneath it). Trim this so that it ends at the film frame reset lever. 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. Then start on the other side of the frame reset lever and continue until you reach the latch end. Trim with scissors and tuck into the slot. Repeat for the bottom 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.



Now, we'll re-seal the hinge seal. Using the 1mm thick foam, cut a piece which is 6.3mm x 45.5mm. Then, use small scissors to cut a small piece out of it as shown in the frame above left. Next, lick the adhesive side (to retard the adhesion and allow you to position the piece perfectly), and set the piece in place as I have done above right. Let this sit for 20 minutes, and your saliva will be dry. You can then press the piece down for the final installation. You can enjoy your iced tea while you wait.

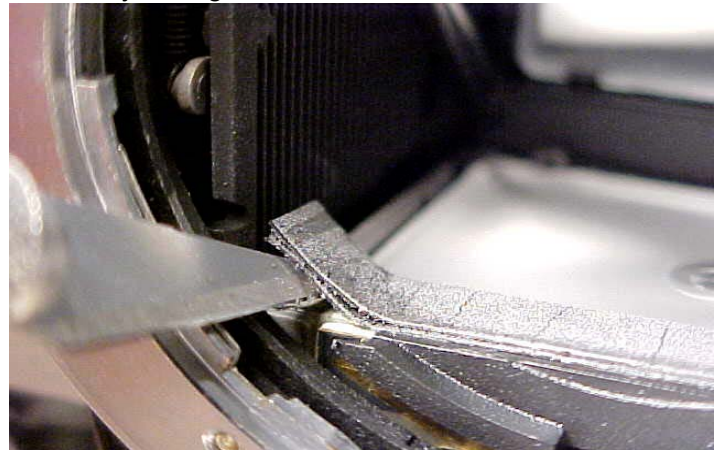


Cut two pieces from 1mm self-adhesive foam as in the image to the above left. You will notice the pieces are basically the same shape, but the measurements are different. That is to say the top slant is closer to the hinge end than the bottom one. You may have to work at cutting these until you get them right, but a small pair of scissors will be helpful. Again when you install these, **lick** the adhesive side well to allow yourself time to position them. Now, replace the film canister retainer and cut two pieces of 1.5mm foam 13mm x 6mm. Lick the adhesive side and slide them under the retaining clips. Then, cut a piece of 1mm foam 2mm wide x 44.5mm long, lick the adhesive side and install this on the ledge at the latch end. Here is a view of the finished work:



The arrows point to the spots where the final latch end pieces will go. Position them correctly, let them dry, and press down for a final installation. All is like new again, and we're finished with our work on the film door. When all is dry, you can close the film door and let your new seals adjust to their new surroundings.

Now for the mirror damper. This is actually easier than you might think. Let's take a look:



To the left, you can see the old cracked and dead damper. I use a common X-Acto knife to carefully lift the old damper cushion up at the tip. Then, I will gently remove it. You may use tweezers if needed. NEVER, EVER use any solvent in this area. It is too easy to make a mess of your focus screen, and that is not something that is easy to fix. Simply take your time and work carefully. Avoid distractions when you're working in here.



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.

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.

The Data Back



Jon Goodman --- 2006