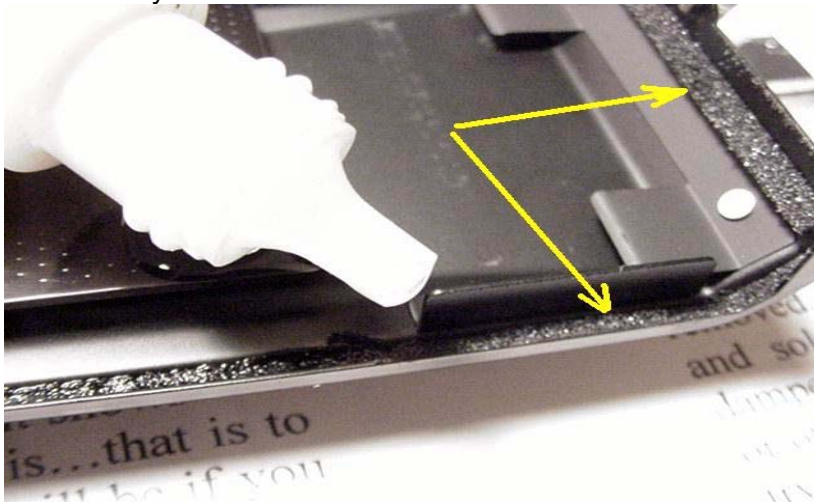


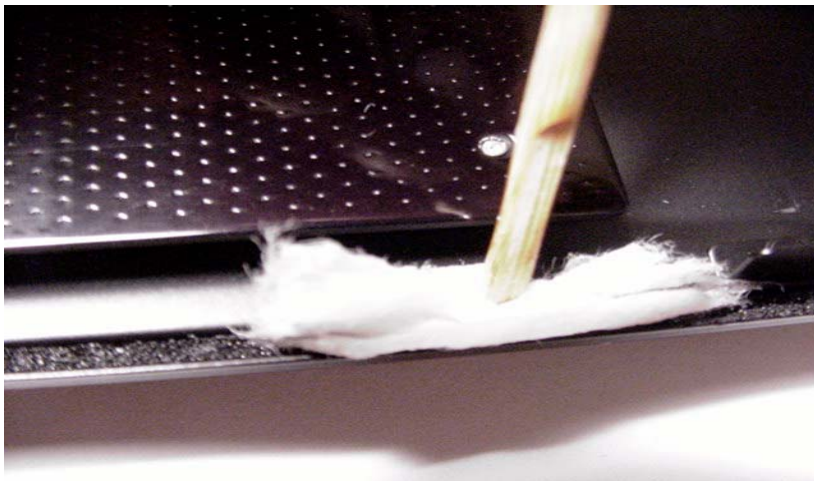
ProSeal Instructions for Fujica ST701

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.

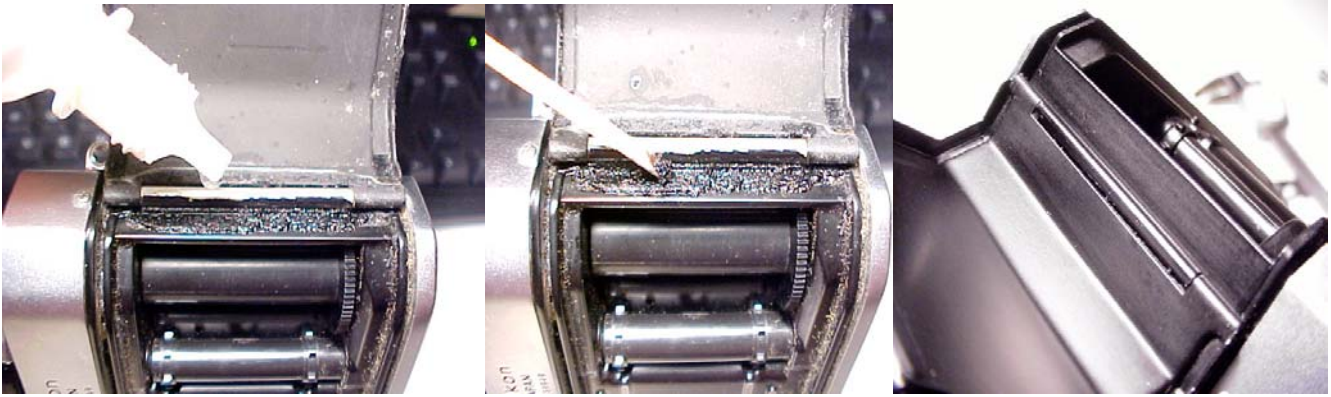
Here are some things you may need: (1) a safe surface to work on—I like to use a piece of cardboard about 1.5' by 1.5', but you can work on fiberboard, newspaper or anything else handy—the important thing is to protect the surface beneath you. (2) Solvent--Naphtha (cigarette lighter fluid is the same 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. Now, let's take a look inside your camera:



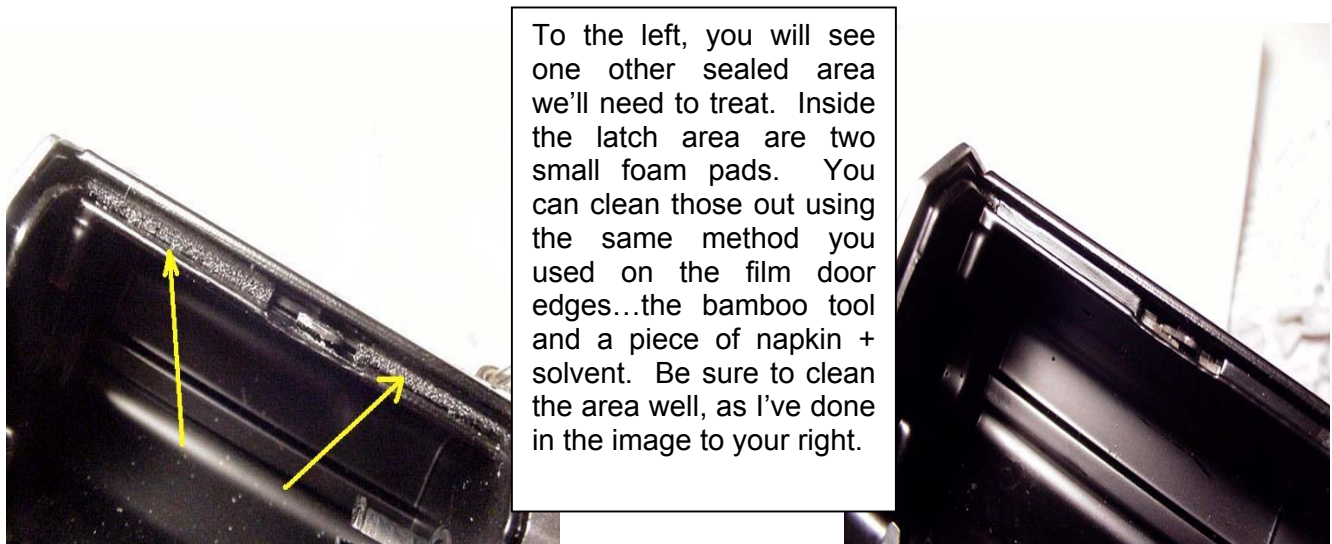
To the left, you see old deteriorated foam on the inner edges and the latch end of the film door. There will be foam on both the top and bottom edges of the door. You will also notice I'm dropping solvent (in this case, I'm using denatured alcohol) from an old dropper bottle. I'll let this solvent dissolve the old foam and adhesive and then I'll begin removing this using a bit of paper napkin or towel and my bamboo tool as in the image below.



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.



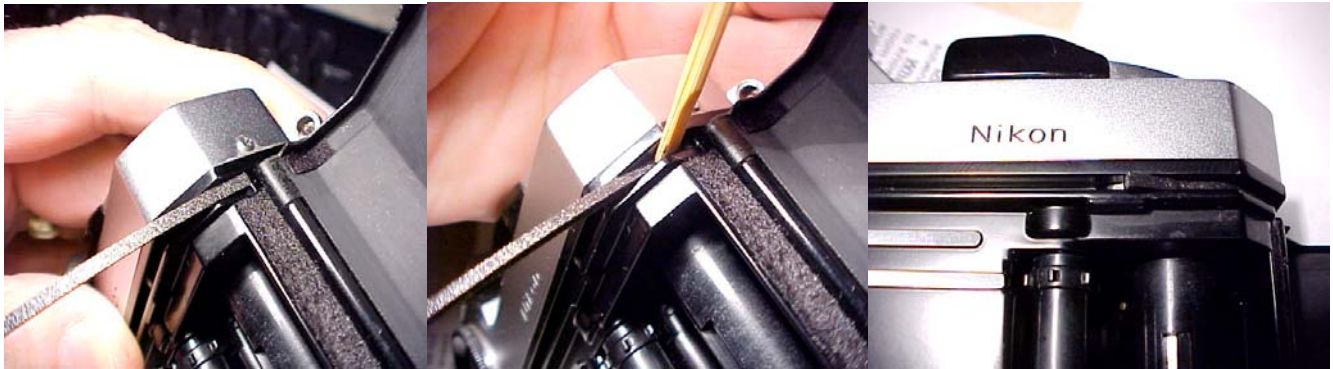
Use your small screwdriver as a dropper (or an old dropper bottle) to carefully drop solvent on the hinge end seal. You will find evidence of it on both the body and the film door. The first two images above are of a Nikon, however this process is virtually the same in all cameras. The final image is of the Fujica, all cleaned like new again. I normally use enough to saturate it, but not to the point of dripping. Let it sit a minute or so and then begin scraping it off. 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. You can see this process in the three images above. Remove and clean the areas where the inner seals were on the film door at this point, also. 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 treat. Inside the latch area are two small foam pads. You can clean those out using the same method you used on the film door edges...the bamboo tool and a piece of napkin + solvent. Be sure to clean the area well, as I've done in the image to your right.

With the film door area completely cleaned, we can replace the foam seal on it as well as the hinge seal area. For the long thin foam pieces along the top and bottom edges of the film door, please use 1mm thick foam cut to a width of 2mm. 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 ends to match the original manner in which the foam was installed. At the latch end, you will replace the main latch end seal with a piece of 1.5mm thick foam cut 46mm x 3.5mm. You may **lick** this piece before positioning it, also. You will replace the inner latch pieces with 1mm thick foam cut 2mm wide. One piece is 17mm long and the other is 24mm long. Once again, licking the adhesive side of these pieces will make them vastly easier to install. After you position them, 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 long thin body slots of the Fujica ST701 were not originally sealed with foam. If you want to seal them, you can do this, although I don't think it is really necessary in this case. However I'll show you the process below (again using a Nikon, but the procedure is the same for all cameras);

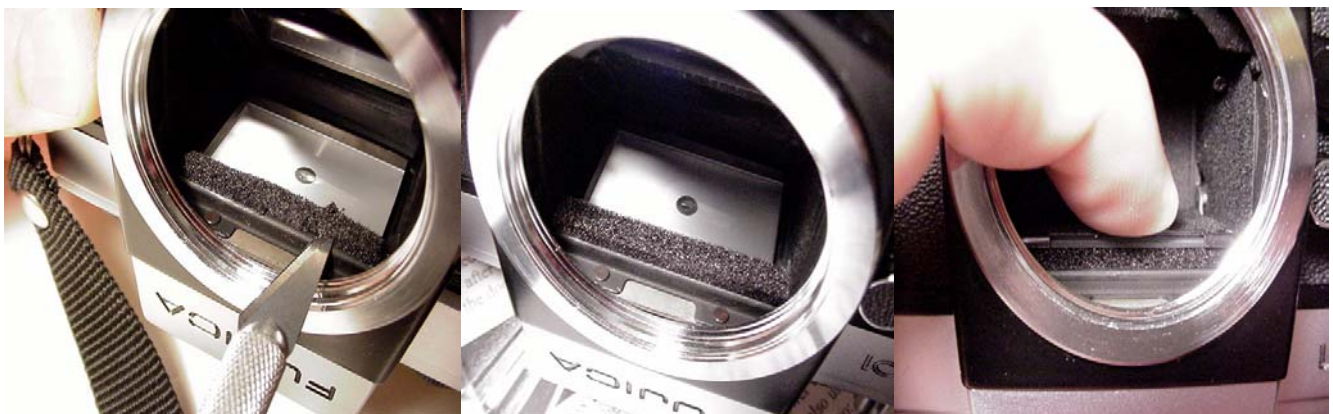


In the first frame above, I start a "Seal Strip" into the slot at the end. I push it into place with the thin end of the bamboo tool, being careful not to twist it. In the second frame, I continue around the curve, and in the final frame, you can see where I have trimmed the strip so that it will end just at the film frame counter lever. I will continue the strip on the other side of the film frame counter, all the way to the latch end. Repeat this for the bottom slot as well. Install the strip with the glossy side facing outward (there are two glossy sides). 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. When you close your film door, you will notice it feels tighter, and after the door has sat closed overnight, the seals will adjust and the door should be easier to close after that.



Left: The hinge seal for this camera should be no thicker than 1mm for optimum performance. I have chosen the fabric seal here, but you could also use the foam. Please remember to lick the adhesive side of the hinge end seal to allow yourself time to adjust them. In 30 minutes, your saliva will be dry, and you can press the seal down. The dimensions of the hinge end seal are 49mm x 6mm x 1mm (thick). In this image, you can also see that I have ended the film door edge foam pieces in the little "troughs" made to contain them.

~~THE MIRROR DAMPER~~



Upper left: I'm using a sharp-tipped X-Acto type hobby knife to carefully remove the old damper pad. I will carefully remove this, not allowing it to fall forward on the focus screen. Use the knife and work very slowly. Do not use any solvent near your focus screen...it is too easy to ruin the screen with solvent.

Middle image: I've removed the old seal and I've set the new damper pad in place. The damper pad is 3mm thick, 39mm long and 4mm wide. Remember to **lick** the adhesive side when you set it in place. This will allow you to position it just the way you want it.

Upper right: After 30 minutes or so, I lift up on the mirror to press the new damper pad into place, and all is just like new again.



Above, the film door showing the cleaned and re-sealed area of the sides and the latch end seal.

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 --- 2006