

ProSeal Instructions for Yashica Lynx 5000 Rangefinder

Please read these instructions completely before you start. Knowledge builds 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. You're working on one of Yashica's finest rangefinders, and the job you're doing now is very important in repairing one of its most common problems. You have been given these instructions as a free gift for purchasing one of my light seal kits, or for some other reason, and these instructions assume you already have studied my basic light seal replacement instructions.

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 my favorites. (3) a paper towel or two. (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:



Beneath the top plate, you will see a long thin rail slot. There is a corresponding slot at the bottom. In the top slot, you will see the frame counter reset lever about 1 inch from the right side. There will be a seal at the hinge end, too. It will be on the camera body. This is the basic light seal design used successfully by makers of many models of cameras from the 1950s to present day. It is simple, and it works very well.

You may see black residue on the camera body and the film door edges. Use your small screwdriver as a dropper to carefully drop solvent where you need it. I normally use enough to saturate it, but not to the point of dripping. An old plastic bottle (like a contact lens cleaner bottle) makes a good solvent dropper, too. The procedure is to let it sit a few minutes, and then begin scraping it off. You may use a toothpick with the end broken off, your bamboo tool, a wooden cuticle stick, or you may use the tip of your small screwdriver. Work carefully and try not to scratch the painted surface. 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. **SECONDARY IMPORTANT NOTE:** DO NOT use any solvent such as Acetone or MEK (Methyl Ethyl Ketone) to clean up your old seal material. These are NOT safe on plastics, and they also may dissolve some paints.

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. 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. (as shown)

When you have the slots clean, take a long 2mm piece of seal material from your kit and press it into the slot using your fingertip. Start at the hinge end and work toward the frame counter reset lever (but don't cover it or go underneath it). Don't let the seal material turn or twist and press it into the slot with the thin end of the little bamboo tool, as below.

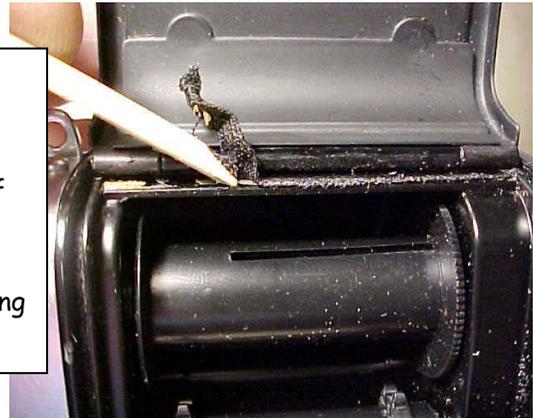


Don't worry that there is no adhesive. With this seal you don't need it. I designed it so the pressure of the seal material against the channel walls will keep it in place perfectly and provide a full-channel and completely effective light baffle. When you reach the end, use a razor blade, small knife or tiny scissors to trim the excess so the strip will finish at end of the rail slot. Repeat this procedure for the part of the slot starting at the film frame reset and extending to the hinge end—use the piece of 2mm material you just trimmed off for this. Repeat for the lower slot. Now, with a blunted toothpick or the thin tip of 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. Then, 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 both rail slot end.

Now, let's remove and clean the hinge end seal.



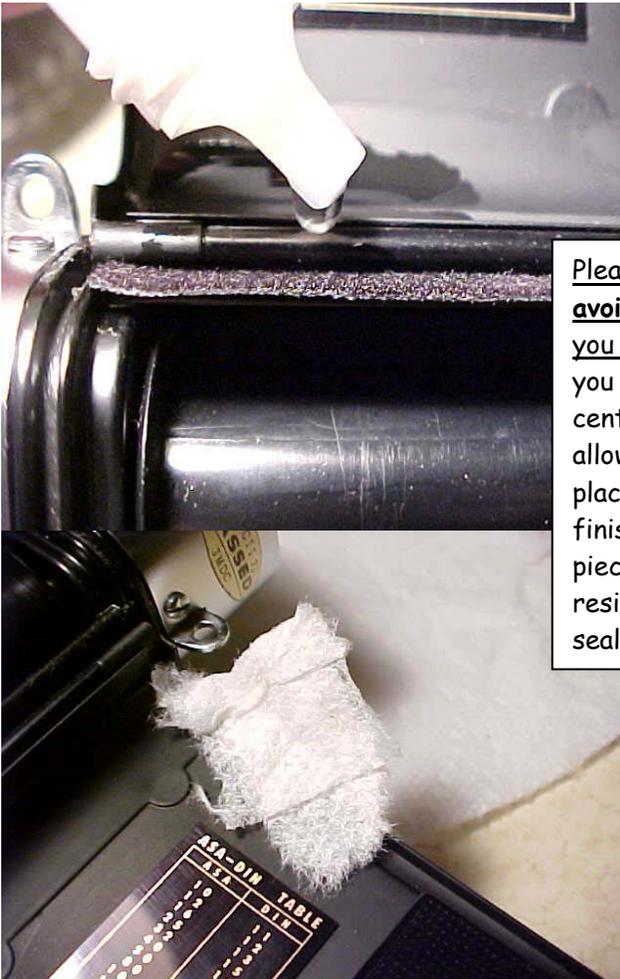
Left: drop some solvent on the old seal. Let it soak a minute or so—don't forget the seal piece at the top of the door.
Right: scrape the old seal off as shown. Finish cleaning with paper towel & solvent.



Cut a piece of 1/32" fabric seal material to fit and remove the protective backing. Please note this seal does not reach from end to end on your camera's body. Here is a view of how it should look:



The seal material starts and stops at the edge of the door slots on both ends. You can see this clearly in the picture to the left. Lick the adhesive side to temporarily de-activate the seal and make it easier to install and position correctly. After 15 minutes, press it down to set it. If you happen to install your seal piece crooked, simply drop some solvent on it and let it soak a minute or so. This will free the adhesive, allowing you to re-locate the piece where it should be. See additional picture below



Please remember, a crooked seal piece can generally be avoided by licking the adhesive side of the seal piece after you have cut to fit, but before you install it. Sometimes, you get a piece crooked, despite your best efforts. In the center frame, I'm dropping a bit of solvent onto the seal to allow re-positioning. Once it dries, you may press it into place for the final installation. Bottom frame--When all is finished, be sure to clean the edges of the film door with a piece of paper towel and solvent. There may be old seal residue left on them, and you don't want this to foul your new seals.

Now, close your film door and let your camera sit a few hours or overnight to allow the new seals to get happy with their new surroundings. Your work is finished, and your camera will have a very effective light seal for years to come.

Jon Goodman --- 2002