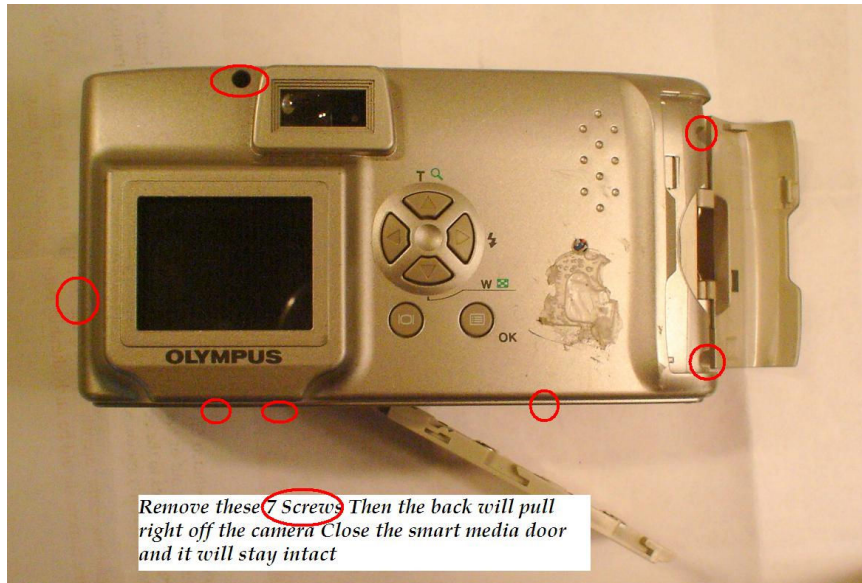


Olympus D380 D370 NO GLASS Ir modification

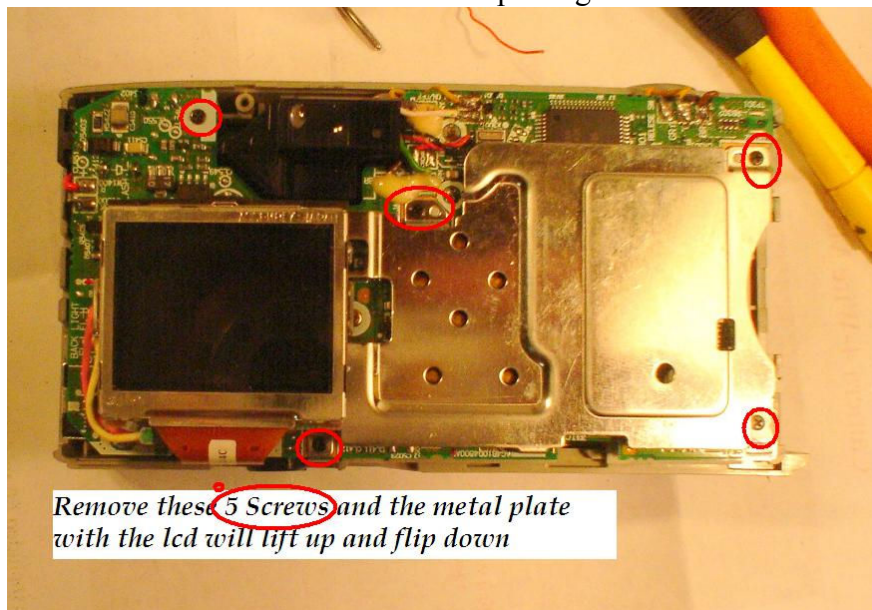
www.bfoutdoors.com

Just a reminder I assume no responsibility to any damage that can occur when this modification is attempted (Also as always modification of commercial products is done at your own risk. Use extreme caution since high voltage exists within these units)

First you need to disassemble the camera

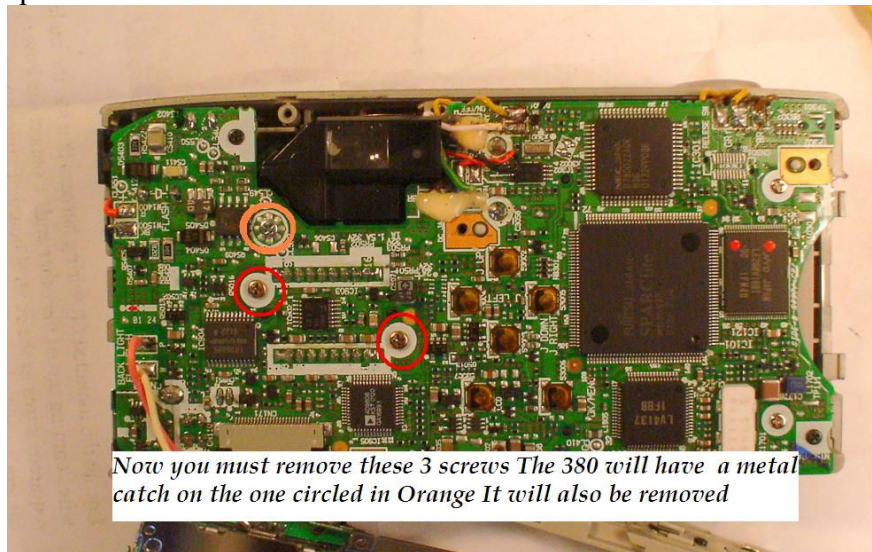


Remove all 7 Screws and the back will pull right off



Once the back is off remove these screws and the metal plate will lift off still connected by the CCD cable just gently flip it over and out of the way

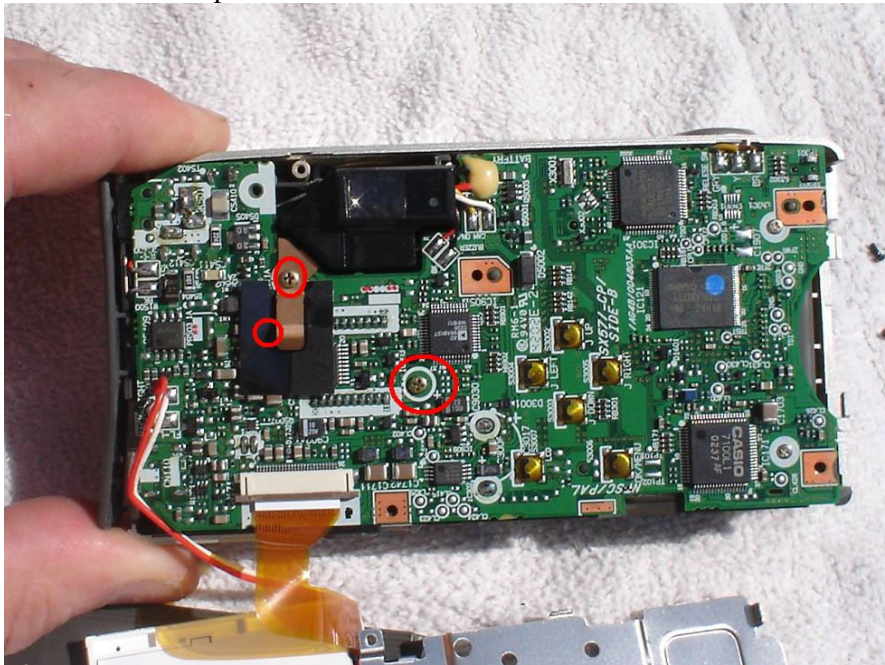
D370 example



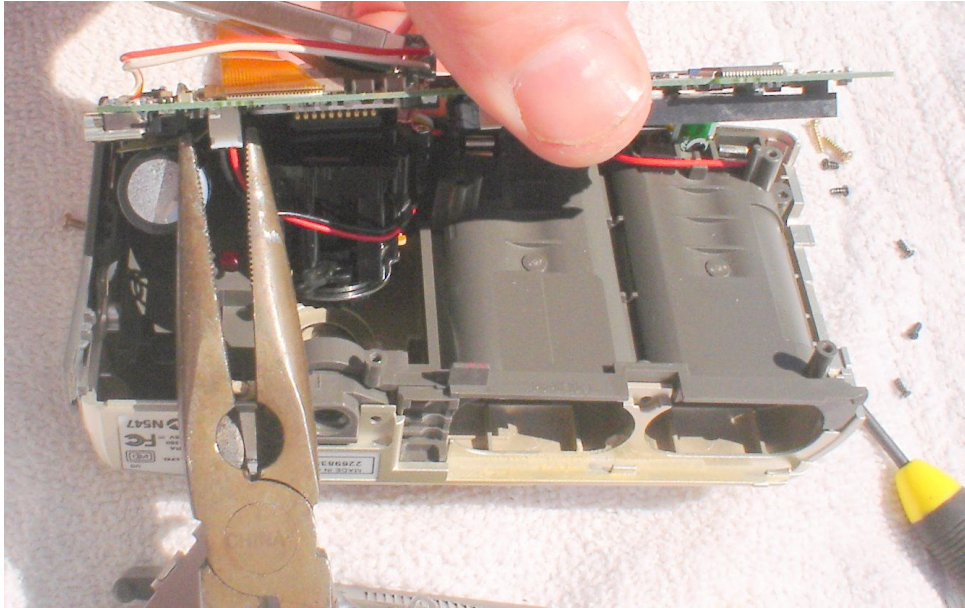
Now you must remove these 3 screws The 380 will have a metal catch on the one circled in Orange It will also be removed

Next remove the 3 screws Shown The D380 will have a metal plate at the orange circled screw it also will need to be removed

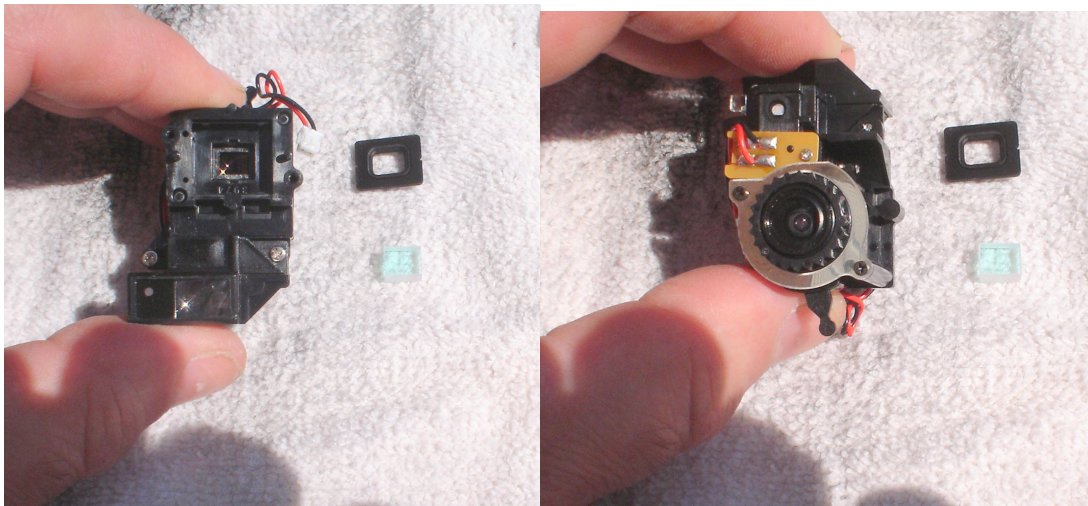
This is a 380 example



Remove the metal clip the black tape and all 3 screws holding the lens assembly in place.



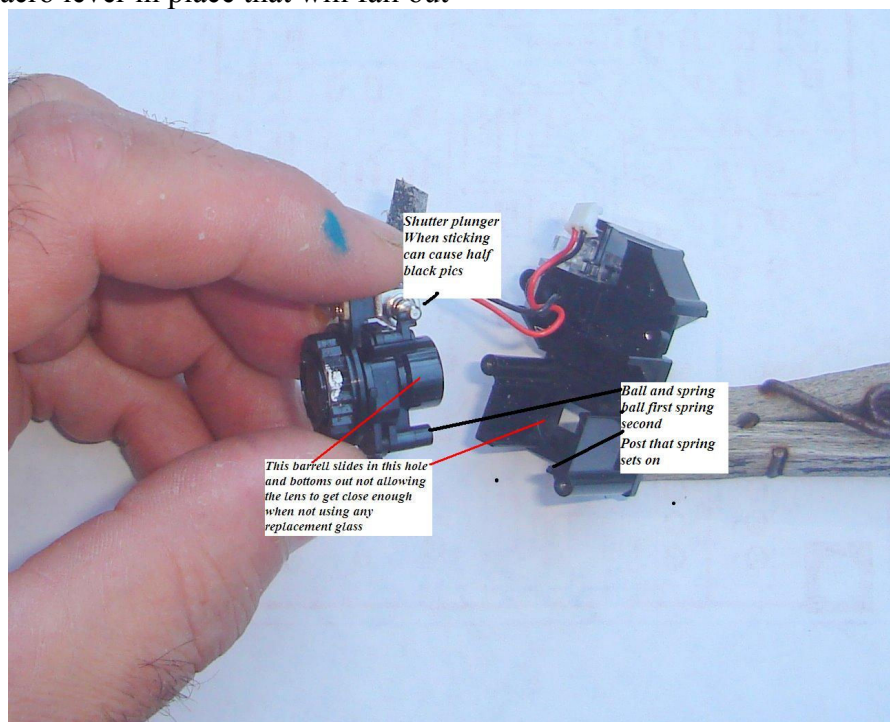
Lift the main board up from the cameras shell it will be still connected by wires at the top of the camera so gently pull until you get enough clearance
Once it's open unplug the white connector you then can remove the entire lens assembly intact from the cameras shell.



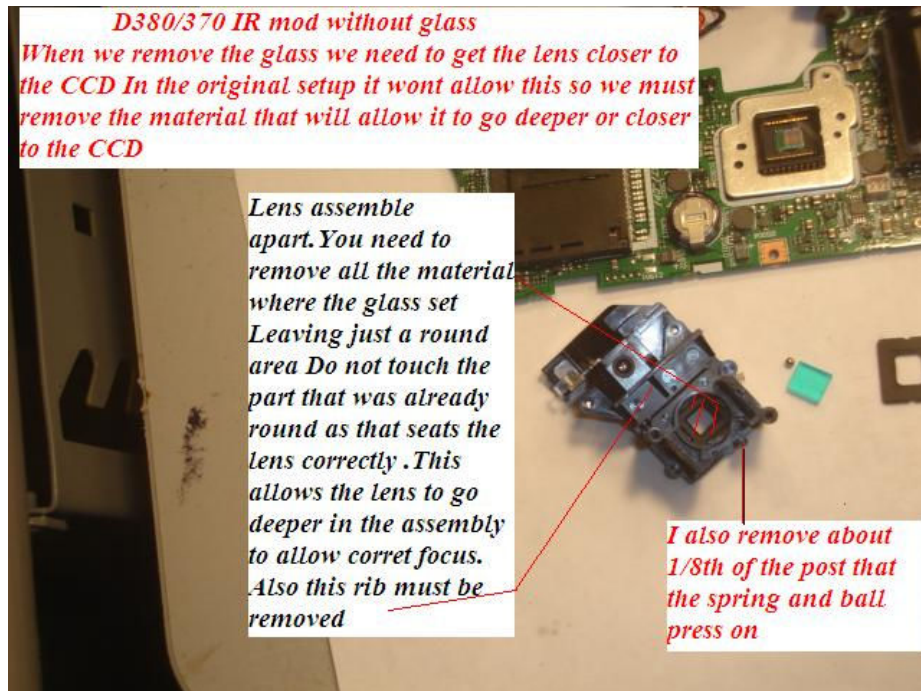
Lens assembly removed. You can discard the rubber aligner and the ir glass



Once you have the lens assembly removed removes the 2 circled screws and the locking plate. The lens barrel will pull right out Caution there is a small spring and ball that hold the macro lever in place that will fall out



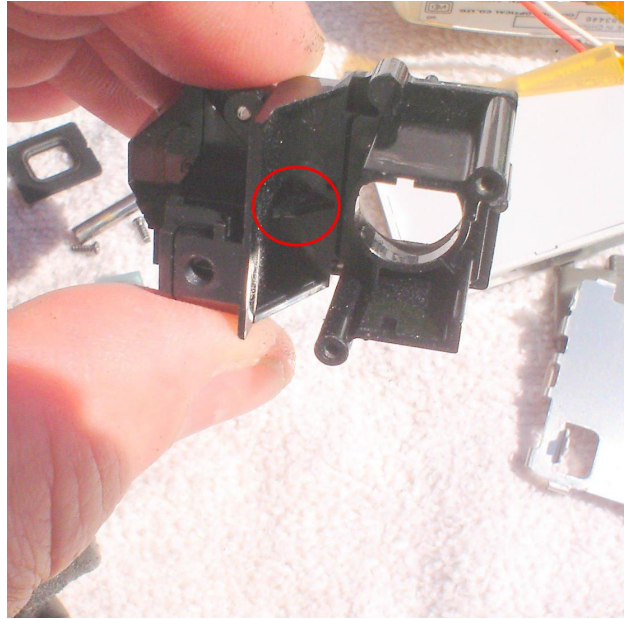
Looking at the lens In my hand is what I refer to as the lens barrel also you can see how I have marked the focus adjustment nut with white out so you can keep track as you focus. Turning the focus nut clockwise will pull the lense farther from the ccd



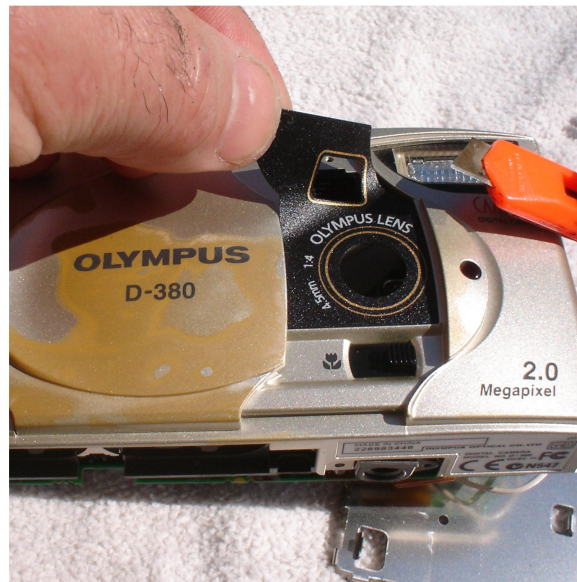
I have found that when others do this they don't take quite enough material out and leave a lip that keeps the lens barrel from going deeper in the assembly not allowing the mod to work Remember the reason we grind all the material out is to allow us to get the lens just a few thousandths closer to the ccd.



After with the material ground out I use a small sanding drum on my dremmel tool try not to touch the round edges as that is what keeps the barrel aligned



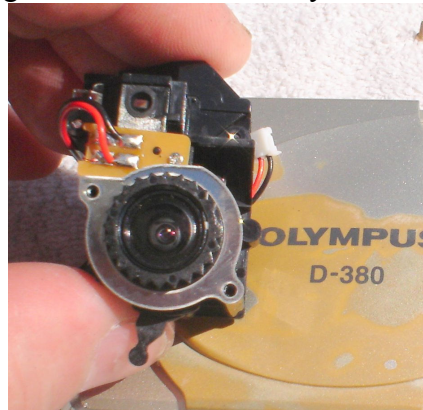
Once you have removed enough material you also need to remove part of the support angle circled. You can see in this picture the shiny plastic left in the lens farther in is where we ground the material out.



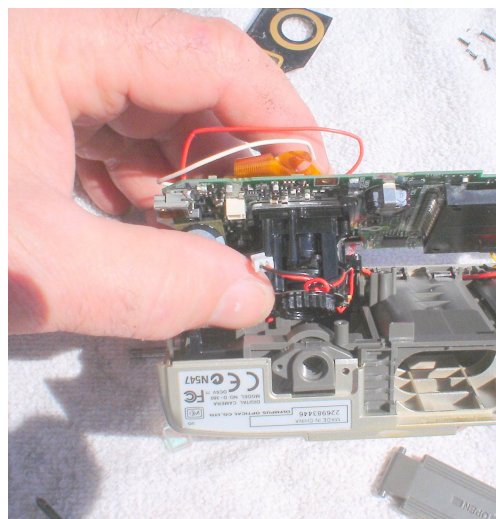
Now peel the black label off the front of the camera Take care and it can be reused very nicely



I use the metal retainer ring to mark the camera body where we need the access holes drilled. I do the drilling later after the assembly has been reinstalled.



Reassemble the lens assembly and put the screws in but do not tighten them fully. Make sure the lens is pressed in a little farther or deeper and then put it all back together. Leave the 2 lock down screws slightly loose so you will be able to adjust the focus.



Now go ahead and reassemble the camera. Be sure you get the Macro lever back in the switch slot.



After I have reinstalled the lens assembly and closed the camera back up I then use my drill press and drill out the holes /marks for access to the focus ring nut and the 2 screws that tighten or lock the lens focus

Once its all focused lock the screws down I also apply a small bead of black silicone around the lip as I have found in these mods that flash bleed is common because the focus nut is in deeper and allows a little of the flash to sneak thru

Now to focus

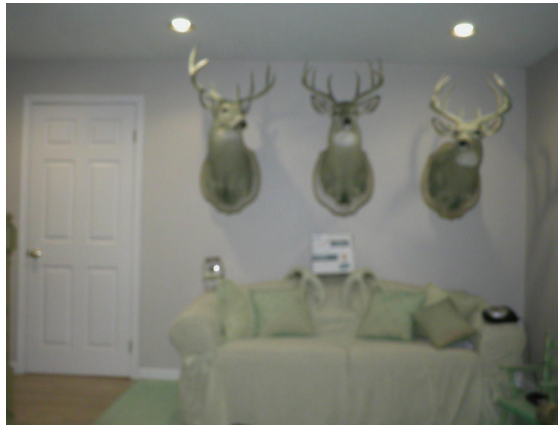


This is how I start out I mark the very bottom of the lens with whiteout so it's easier to track where the focus if really at. I will take a picture as is then start turning the focus nut clockwise one hour increment at a time and then taking another picture to compare Remember that the lens must start deeper than it was originally and we are now pulling it out farther from the CCD .

Pic at starting point Whiteout mark at 6 o'clock



Pic with whiteout mark at 10oclock



Pic at final focus Whiteout mark at 1 o'clock

