Sony P41 modification with external power

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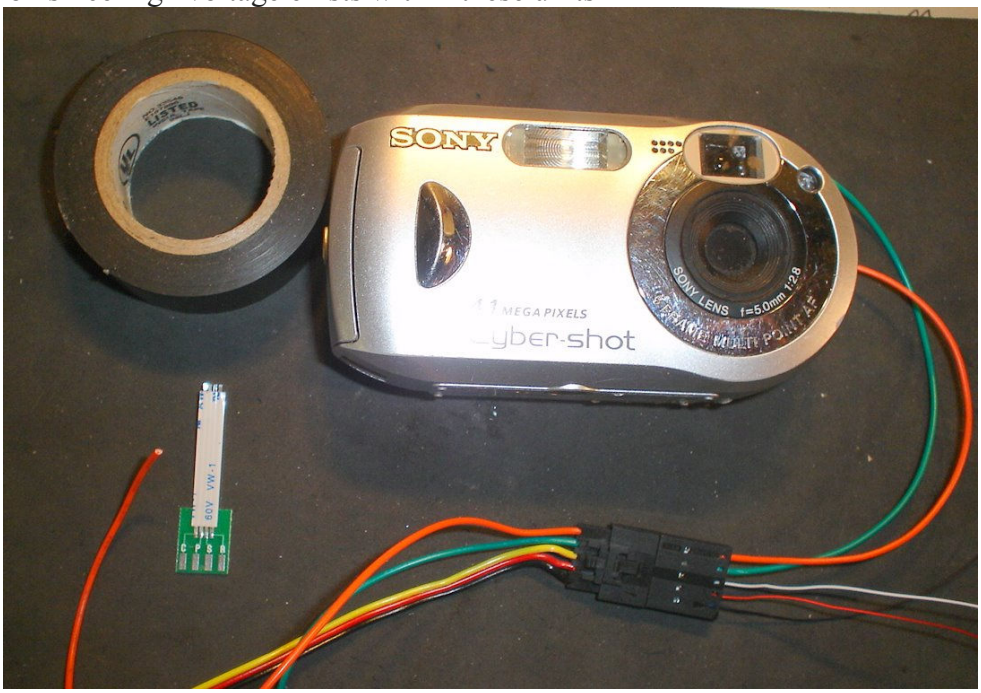
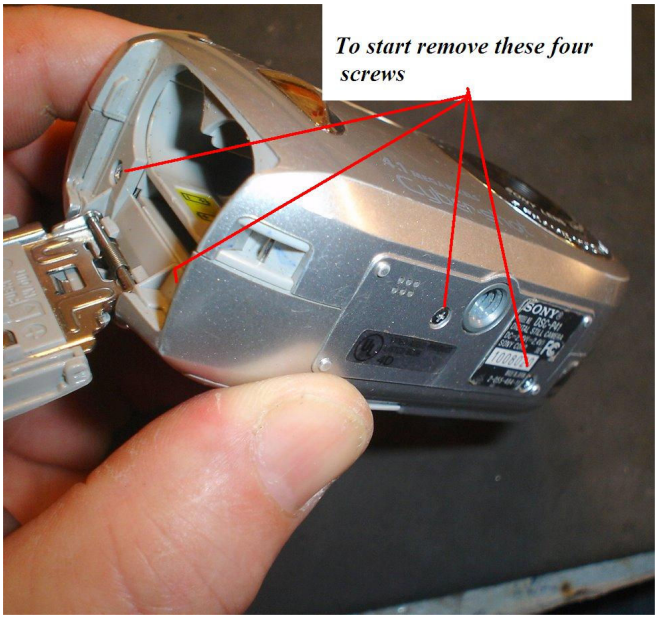
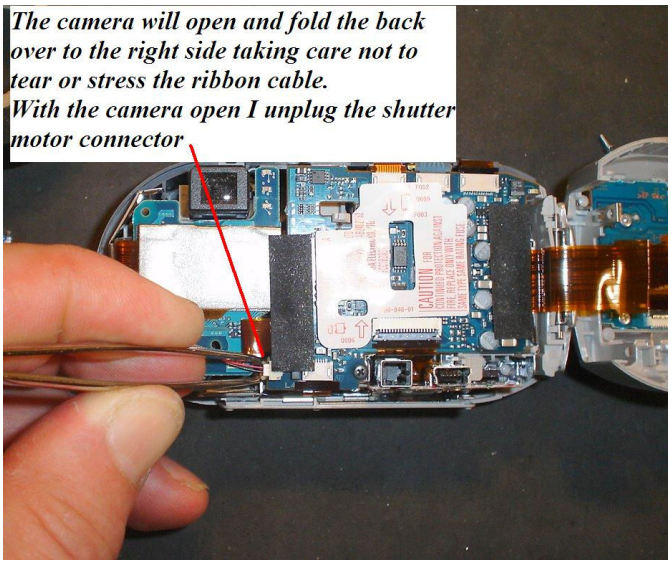
Just a reminder I assume no responsibility to any damage that can occur when this modification is attempt (Also as always modification of commercial products is done at your own risk. Use extreme caution since high voltage exists within these units



The first thing I will do with either camera is power it on. It is good now before we start to shutter a few pictures and to double check the cameras operation and focus. Take the batteries out with camera on leaving the shutter cover open this way we can disable the shutter motor to silence the camera.

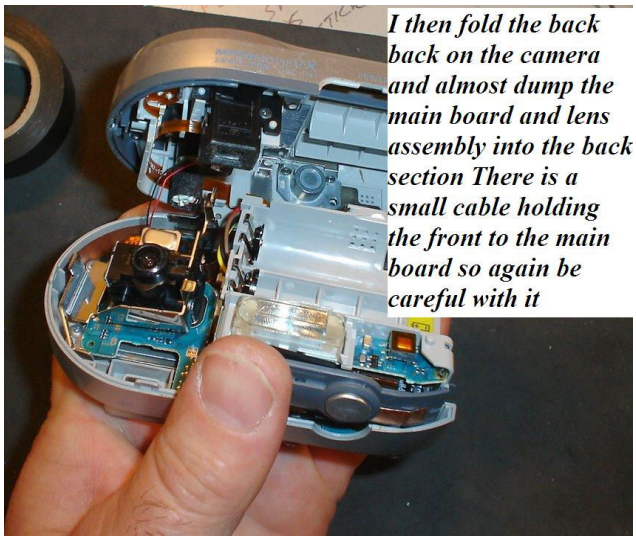


To open the camera 4 screws must be removed

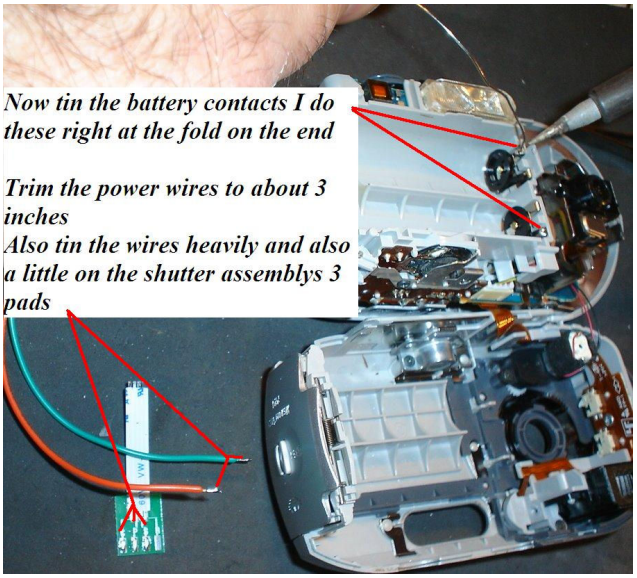


To open the camera pry it open and fold the back over to the right side Taking care not to pull or twist the ribbon cable

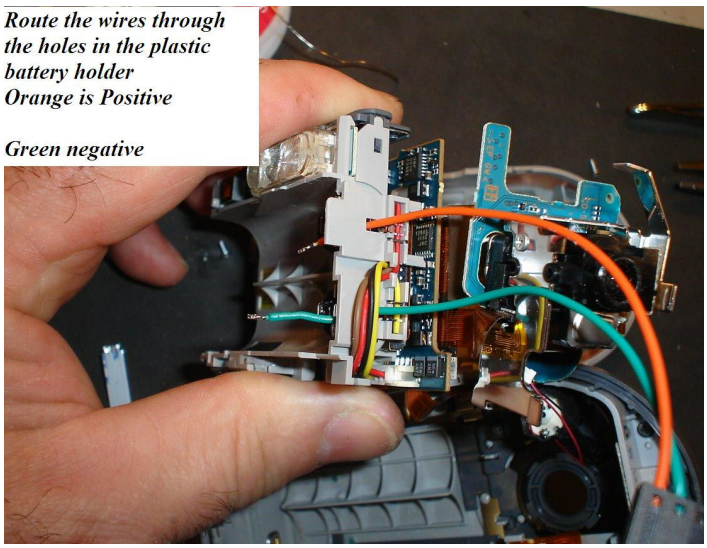
The shutter cover motor connector it easily unplugs with tweezers leaving this out after we are finished will disable the motor and since it was open when we took the batteries out it will stay in the open position.



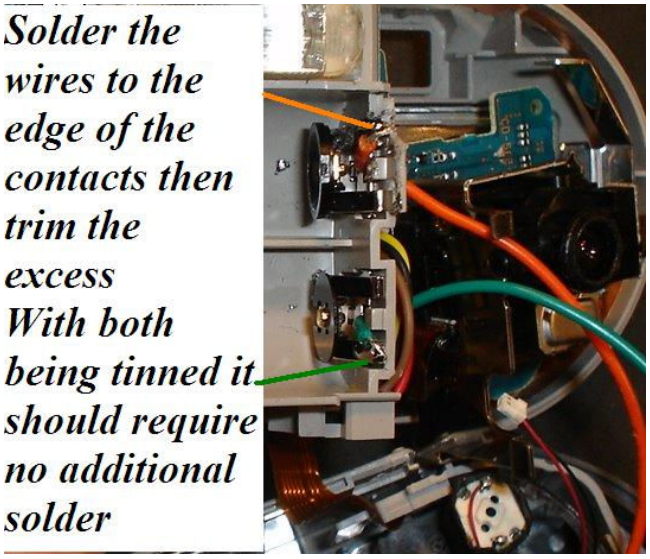
The main board and lens assembly will now pry right out of the front shell I lay it back into the back section again gentle with the ribbons. There is a small more fragile ribbon holding the front to the main board



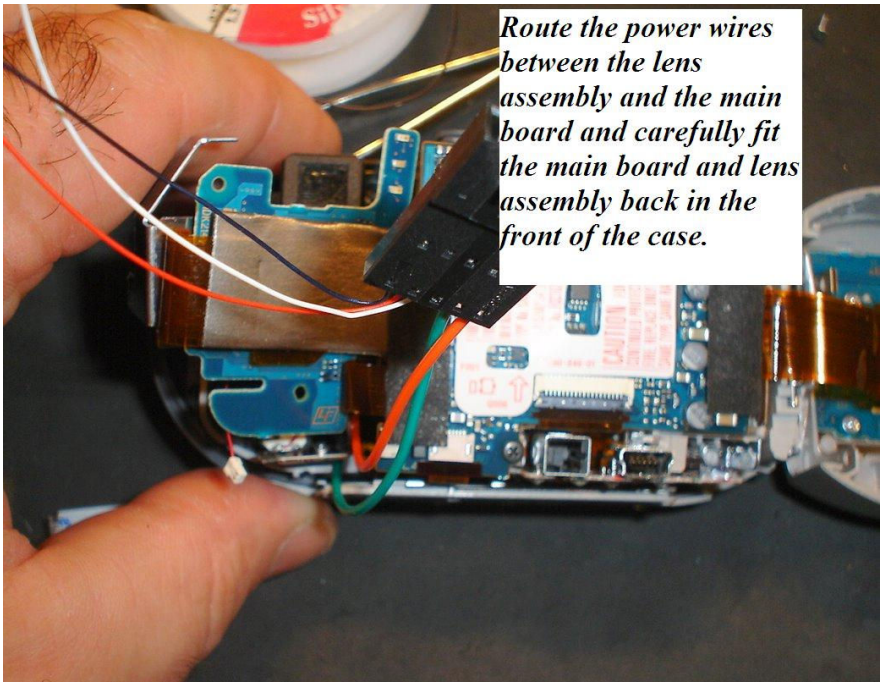
First heat the solder iron and tin both the wires and the battery contacts in the camera as shown
Also apply a small amount of solder on the solder pads on the Hagshouse shutter assembly.



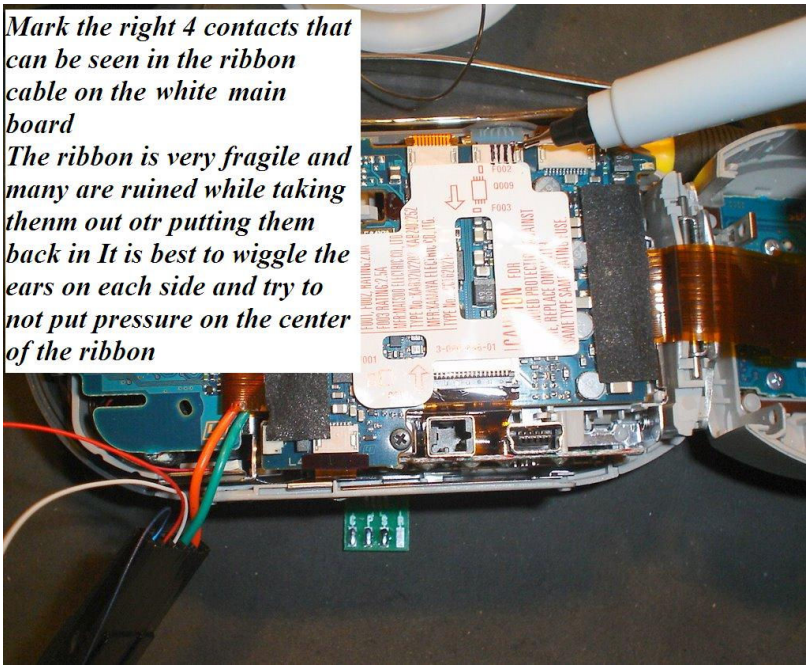
Slide the wires through the holes in the cameras plastic frame



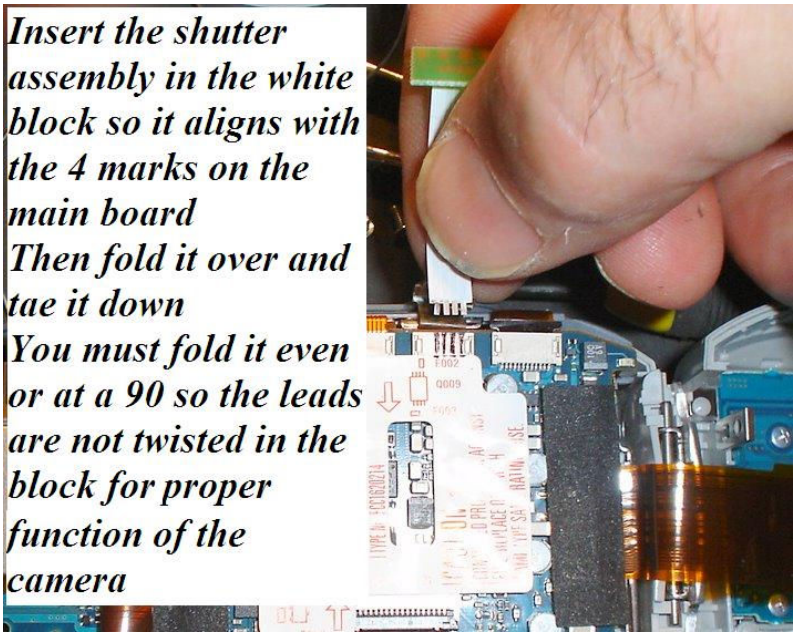
I solder the wires to the top edge of the battery contacts then cut the excess wire off and adjust the wires as tight and close to allow movement in the spring of the battery contacts.



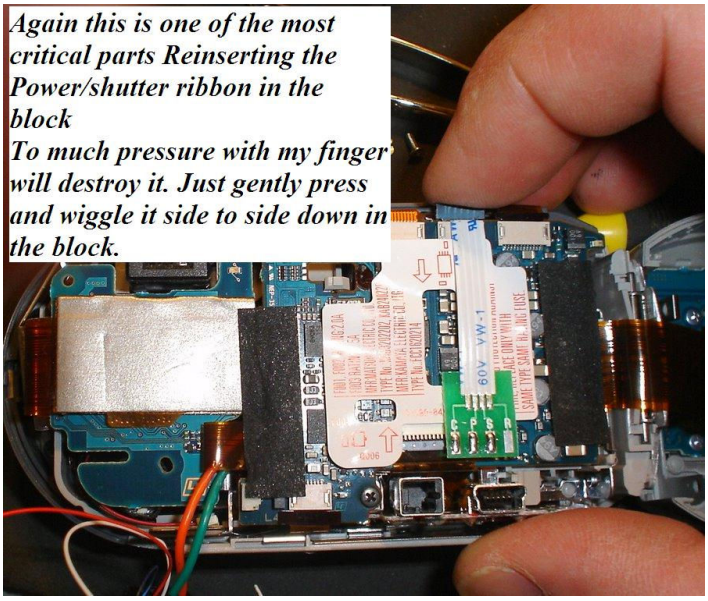
Flip the main board back into the front section it takes a little jogging and positioning to get the main board and the lens assembly back into place
Also getting the heavy wires out of the cam and not pinching those takes patience and care.



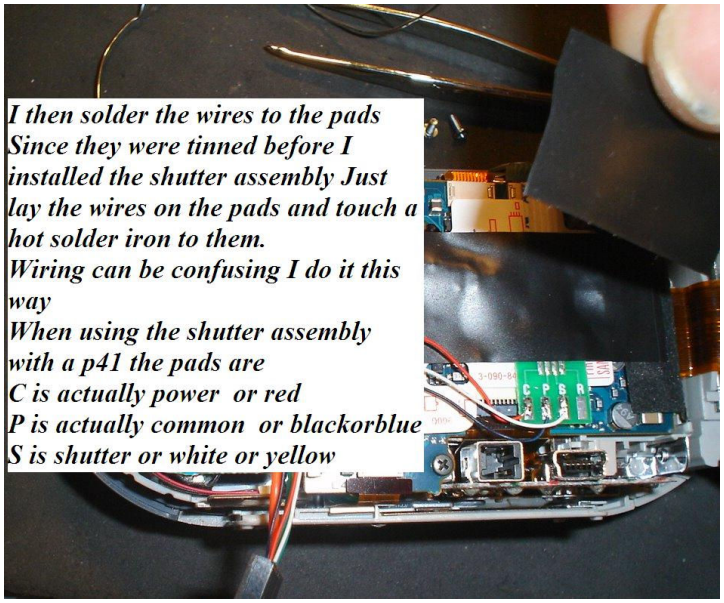
Mark the 4 contacts that you can see in the power ribbon onto the white cable block on the main board. Align to the 4 contacts on the right side.



Once you insert the shutter assembly in the block line the 4 contacts to the lines on the block and fold it over onto the main board in a clean straight fold. Twisting or doing this at an angle will cause the modification to not work when we reassemble the camera

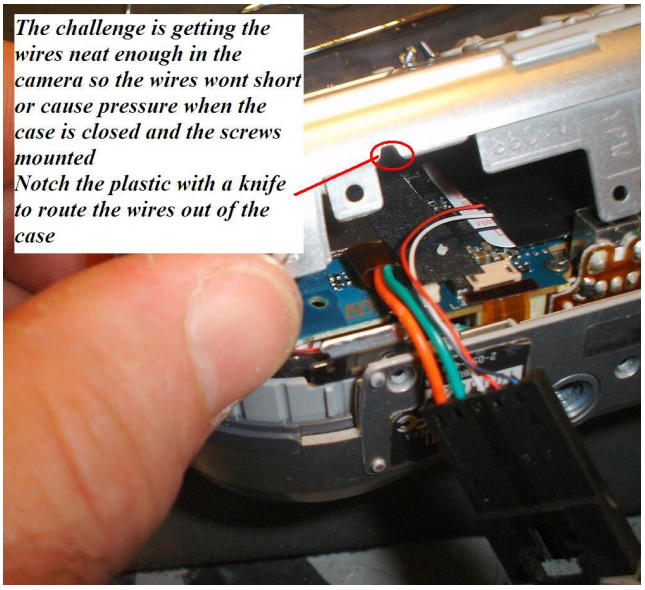


Gently use your finger to press the ribbon back into the block. If you would use too much pressure you will destroy the fragile contacts in the cable use a wiggling motion side to side pressure to gently get the cable seated.



Once it has been inserted tape the shutter assembly so it can't be moved.
Also this is a good time to check that the modification was a success.
Remember with tehse shutter assemblys the P is actually the COMMON on a p41 and the C is actually the POWER
With batteries in the camera short/Jumper between the C pad and the P pad and the camera should turn on. Then short the P to the S and it should shutter a picture. I use tweezers to do this.
Never connect a power supply or battery to the shutter assembly's contacts as you will destroy the camera

Once satisfied that the mod was successful Cover the solder pads with electrical tape.



Now you need to close the camera up. Getting the wires as flat and smooth to the cameras main circuit board is important and this will allow it to close tightly without pinching any wires.
I cut a small notch in the cameras back for the wires to get out of the camera. I secure the servo connector to the bottom of the camera with pt1100 tape and seal the holes and protect the wires with a dab of goop.