

Sony P32 Stereo Jack Modification

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Parts required

P32 camera

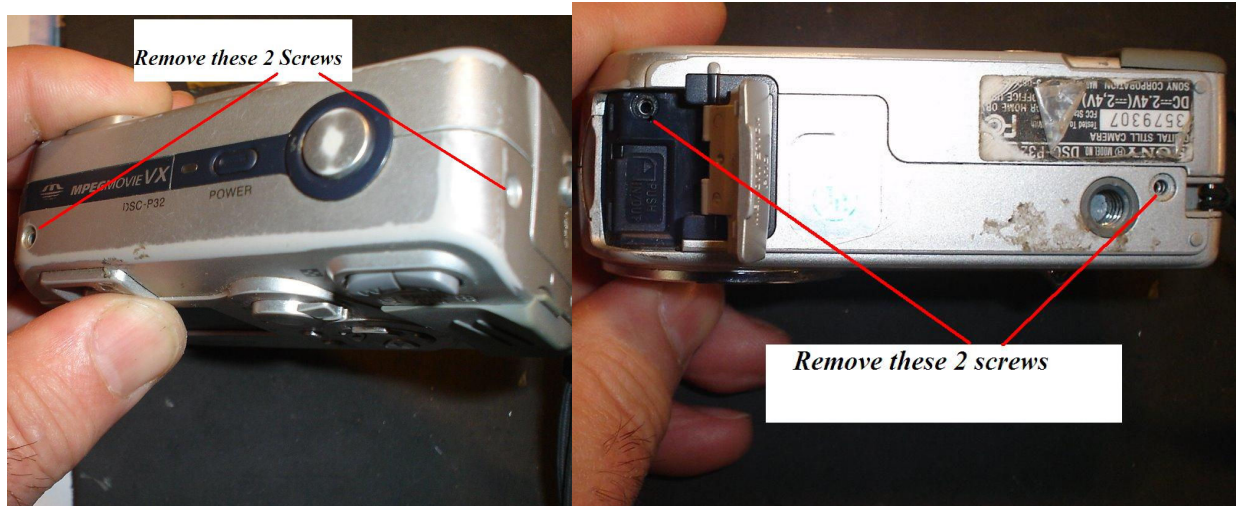
Hagshouse shutter assembly

3 wire stereo plug kit

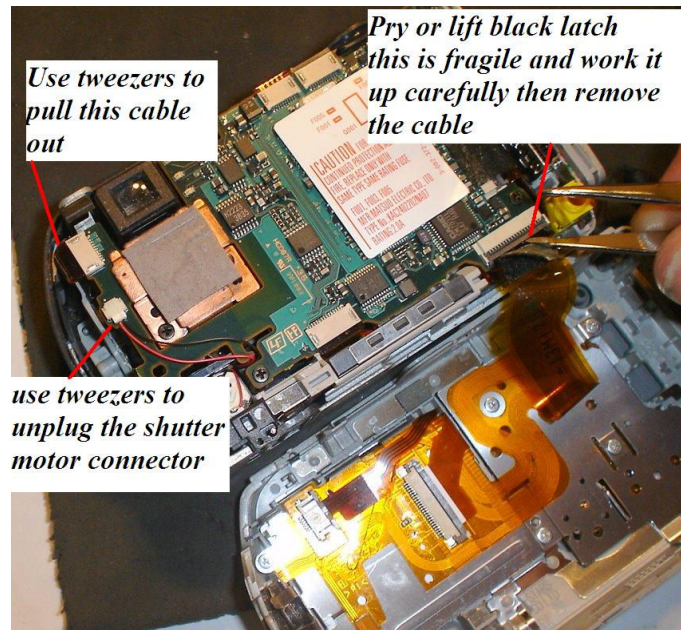
Black tape

This to me is a difficult mod it does have a very neat and clean finish when completed but I believe a mod better left to those with a higher skill level.

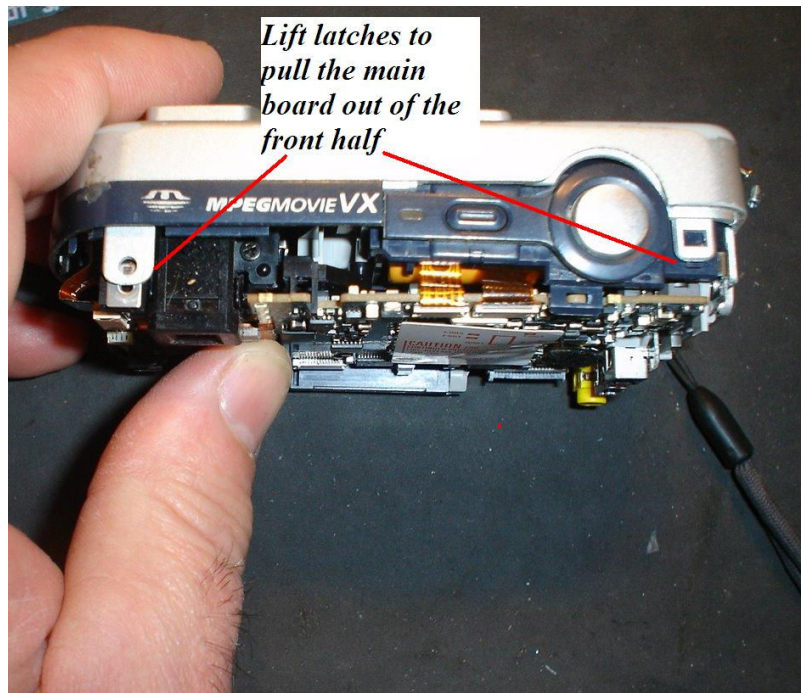
Just a reminder BFoutdoors assumes no responsibility to any damage that can occur when this modification is attempt. Also as always modification of commercial products is done at your own risk. Use extreme caution since high voltage exists within these units.



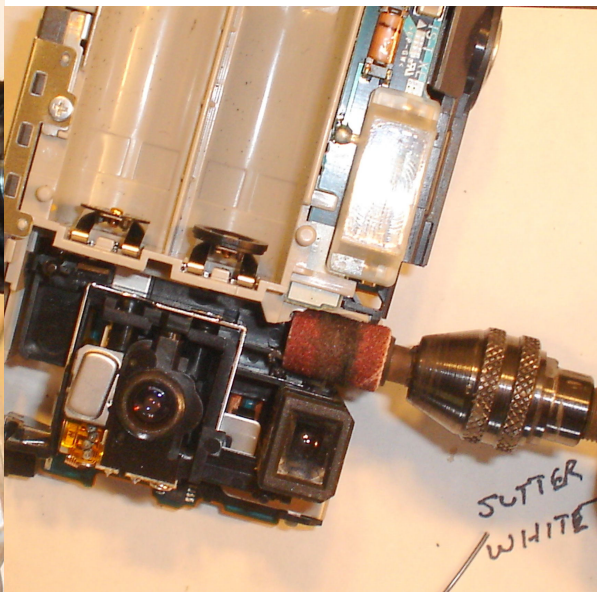
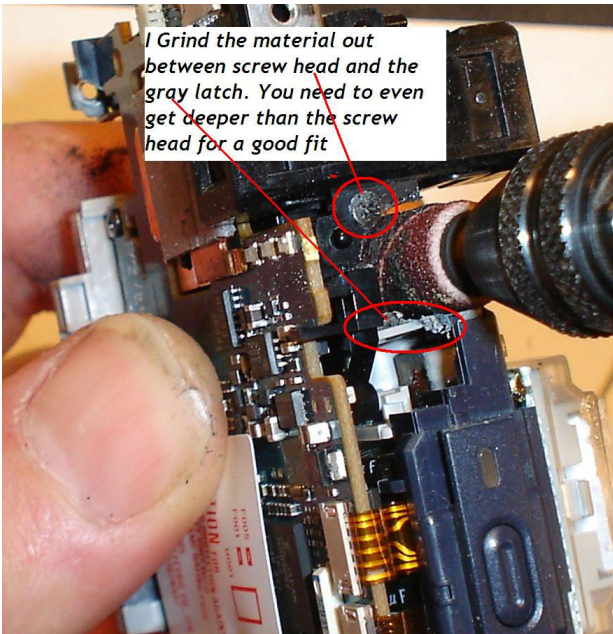
Remove these 4 screws



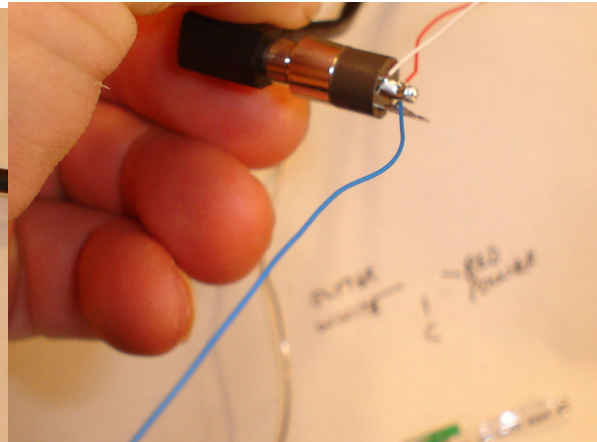
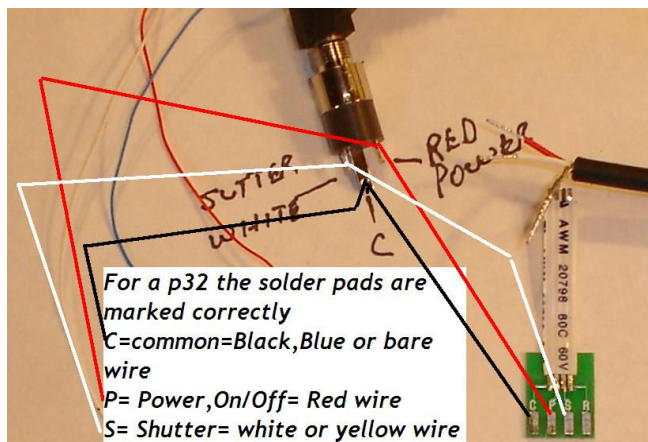
You can start by removing the tape off the cameras back ribbon then lift the black latch this is very fragile and will pop up if you just work it up gently and carefully damaging this will ruin the cameras main board so proceed with caution
 The use tweezers to pull the flat ribbon show on the top left and also to unplug the shutter covers motor



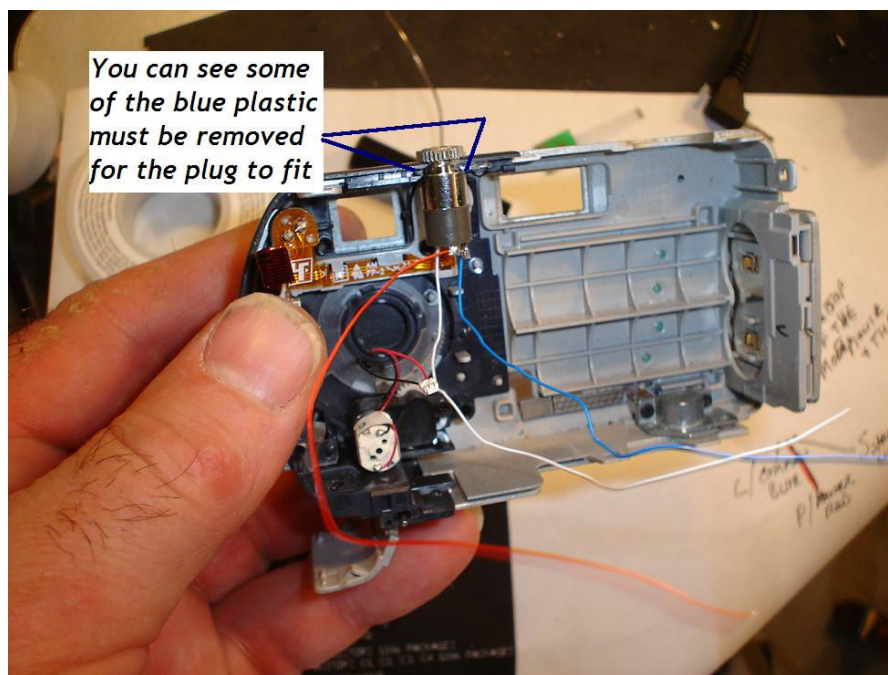
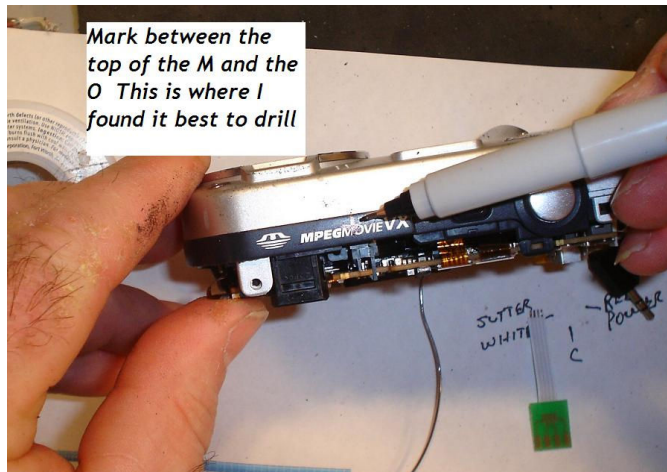
Next you can now remove the whole main board assembly with the shutter /power button all in one piece There are snaps on each corner of the camera



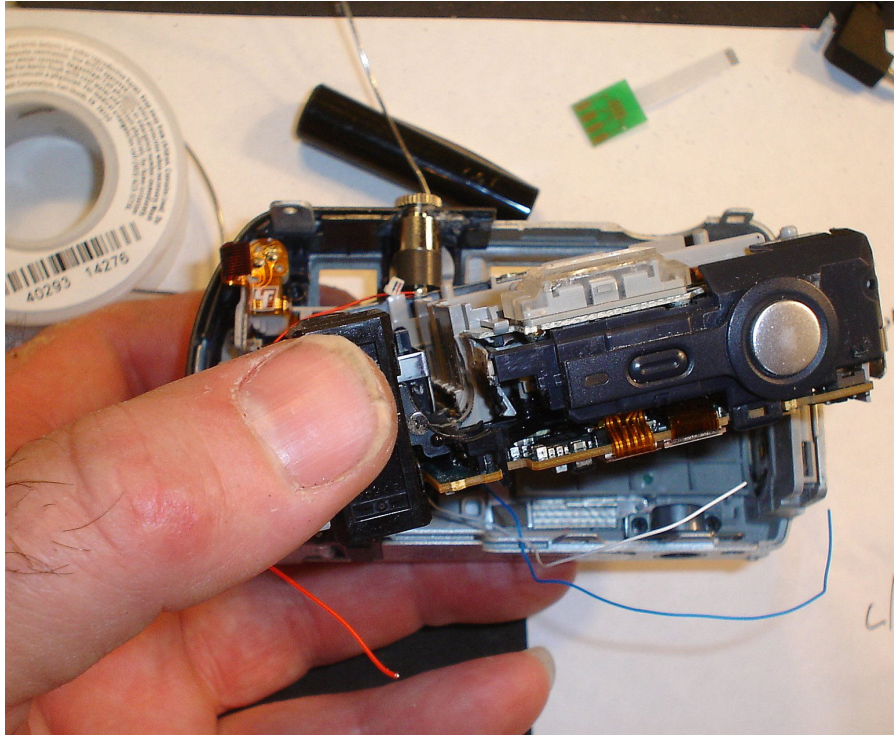
Now comes the most difficult or maybe the most important step I use a small sanding drum on my dremmel tool and carefully grind out the material needed to allow the stereo plug to fit.



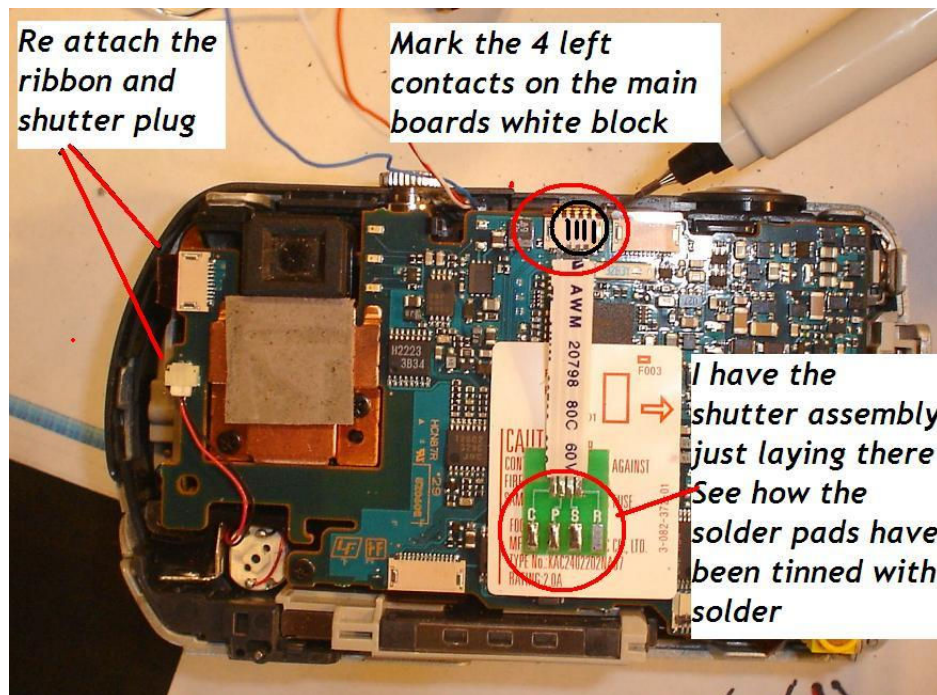
Next you need to get the stereo plug prepared with the long leg at the bottom I solder the Blue wire to the long leg the white or shutter to the left leg and the red or power to the right leg. Care must be taken that too much heat isn't applied as it can melt the inner contacts of the plug. I solder the wire on close to the base and then trim off the excess metal contacts.



Next I install the stereo plug there is some blue material that needs to be removed on the inside to get the stereo plug in far enough



Now route the wires up and back behind the stereo plug and put the circuit board back in place

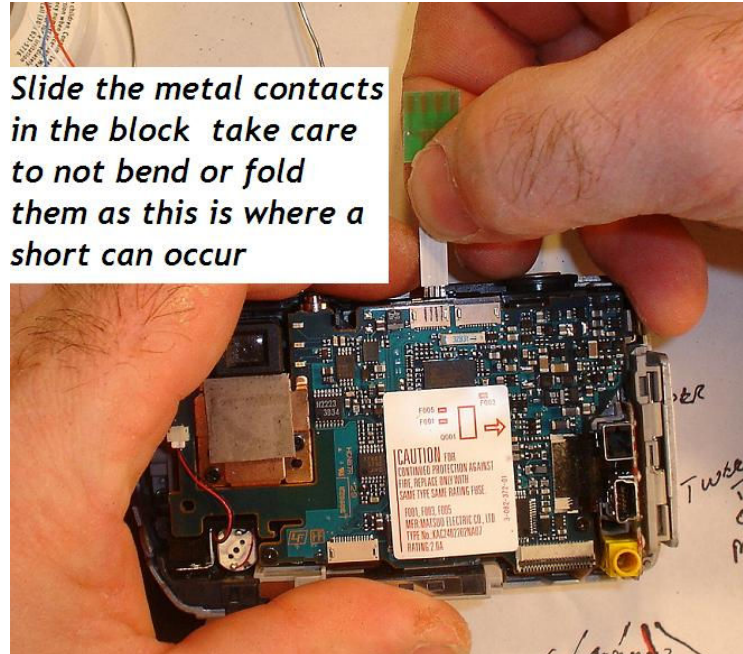


Reattach the ribbons and shutter door plug.

Marking the shutter assembly alignment pads is very important as this is where many new builders have troubles.

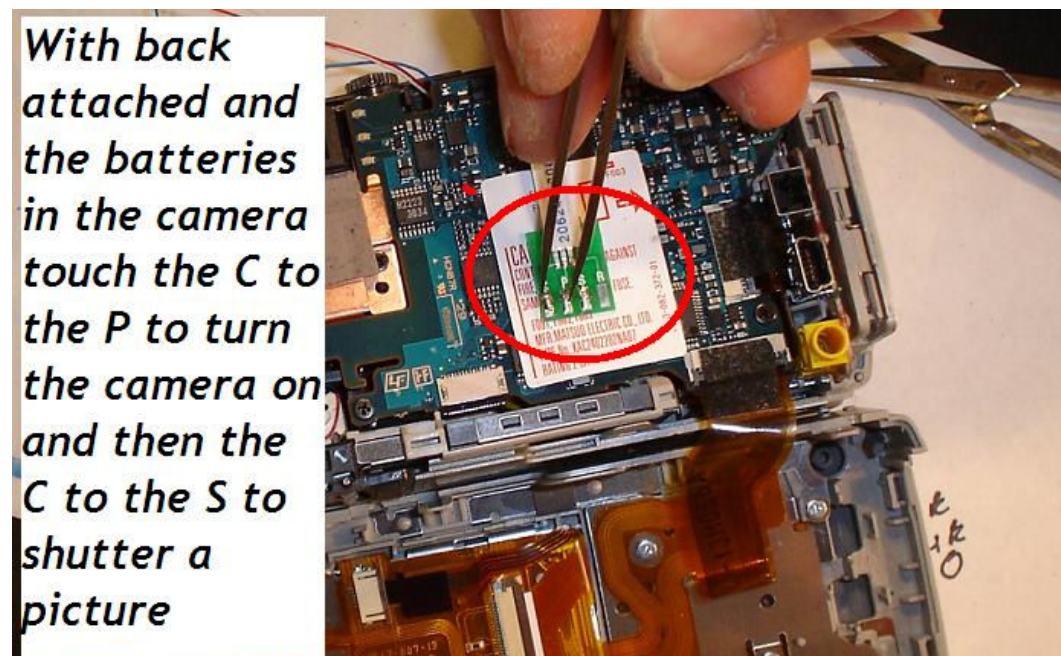
Also tin the solder pads of the shutter assembly before it are anywhere near the cameras circuit board many cameras are lost due to a drip of hot solder on the main board.

To remove the cable from the shutter power block I use a fine tweezers or blade to wiggle it up by its corners.



Slide the shutter assembly in the block. I then fold it over 90 degrees taking care that I do this in a straight bend so the contacts don't move to one side or the other Then if still aligned I start the power cable back in the slot/block again rocking it back and forth with gentle pressure to seat it in with the shutter assembly.

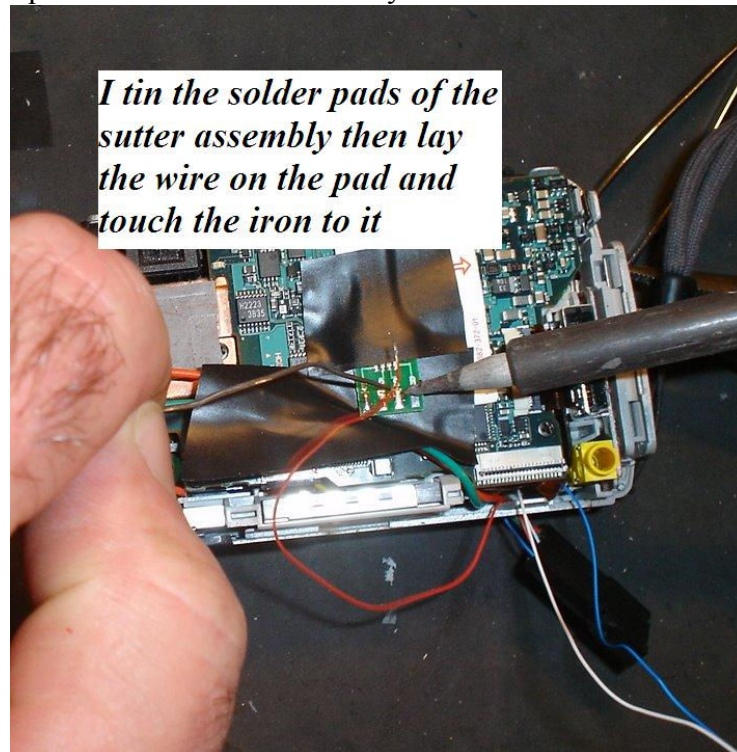
Warning By pressing too hard you can destroy the connections in the power cable so be careful



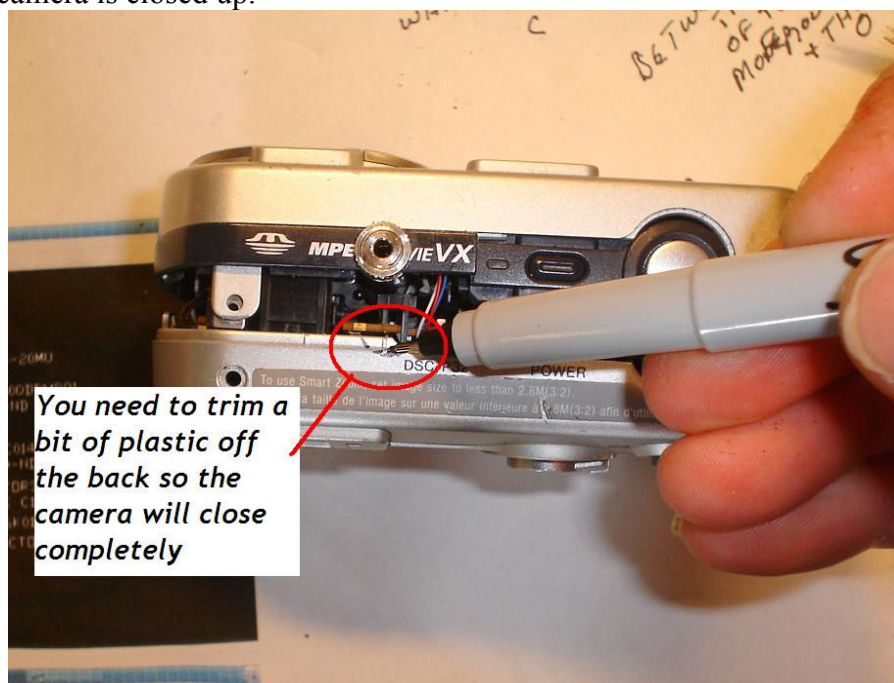
Next this a good time to double check the mod

Attach the ribbon of the cameras back again taking care to that it is seated properly

Then with batteries in the camera the camera set to picture taking mode touch the C to the P with a pair of tweezers Then if the camera powered on as it should have touch the C to the S and it should shutter a picture. If it has we are ready to solder the wires to the assembly.



Next solder the wires to the shutter assembly by having the pads tinned before hand there will be no need to have soldered over the board Red to P Blue to C and white to S
The cover the assembly with black tape and route the wires in a manner that won't interfere when the camera is closed up.



Trim the back so the camera will close up and again check the modification Plug the stereo plug in and touch bare to red and the camera should power on Then touch bare to white and it should shutter a picture If all is good put the screws back in and you are finished