

Sony H55 Modification Doc

This is a copy of Bob's post of the hack found at Camtracker.com

This camera has three screws on the bottom of the case, and it has two screws on the round end of the camera. These screws are easy to find, so pictures are not necessary. There is a small plastic plate on the bottom of the camera that goes from the USB port to the tripod connector. Pry this plate loose. Now you need to remove the flat end piece. This is also plastic. Start prying gently at the tripod connector and work around the corner of the camera. This piece is secured by four plastic clips. Slide the screwdriver underneath and pry up. The clips will release, and this piece will come off of the camera. I propped this plastic piece up on my screwdriver so you can see the four clips.



After the flat end piece is removed, you will see two internal screws. Remove those two screws. Only the rear case is removed on this camera. Now you can start prying at the bottom of the camera separating the rear case. Work your way up both sides. there are three clips at the top of the rear case. Pop those loose. You can see the location of those clips in this picture



After the rear case is removed, start prying the metal frame loose on the lens end of the camera. The LCD and control board are mounted on this metal frame. Flip it over and disconnect the control cable and the LCD cable. The Control cable has been disconnected in this picture, but the yellow X's show where it is located. Disconnect it from the control board, and not from the main board. The socket on the main board is behind the board and you can't reconnect it without flipping the main board over.



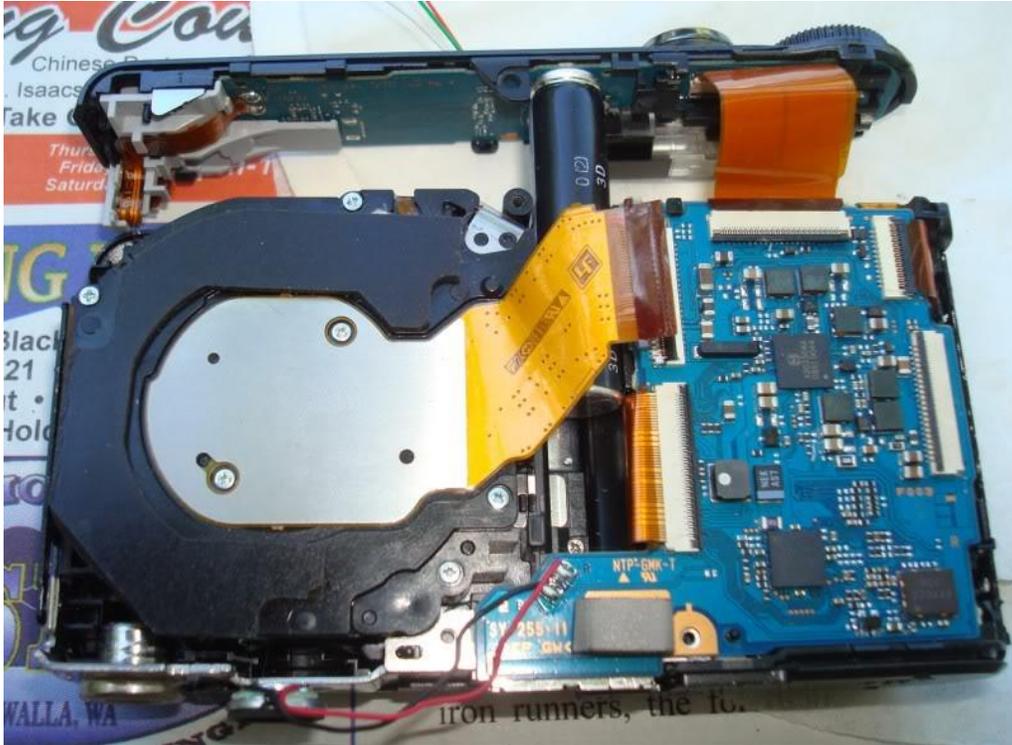
Now you need to remove the plastic clip. The red arrows point at two copper screws that need to be removed. The yellow lines point at clips that you pry loose. Start at the speaker on the bottom of the camera. Pull out the clip and work your way up. Pry the three clips loose as you get to them. The speaker has a magnet on it, just stick it to the bottom of the camera out of the way. The white arrow points at a screw that secures the shutter assy. This screw is larger than the other screws that you have already removed



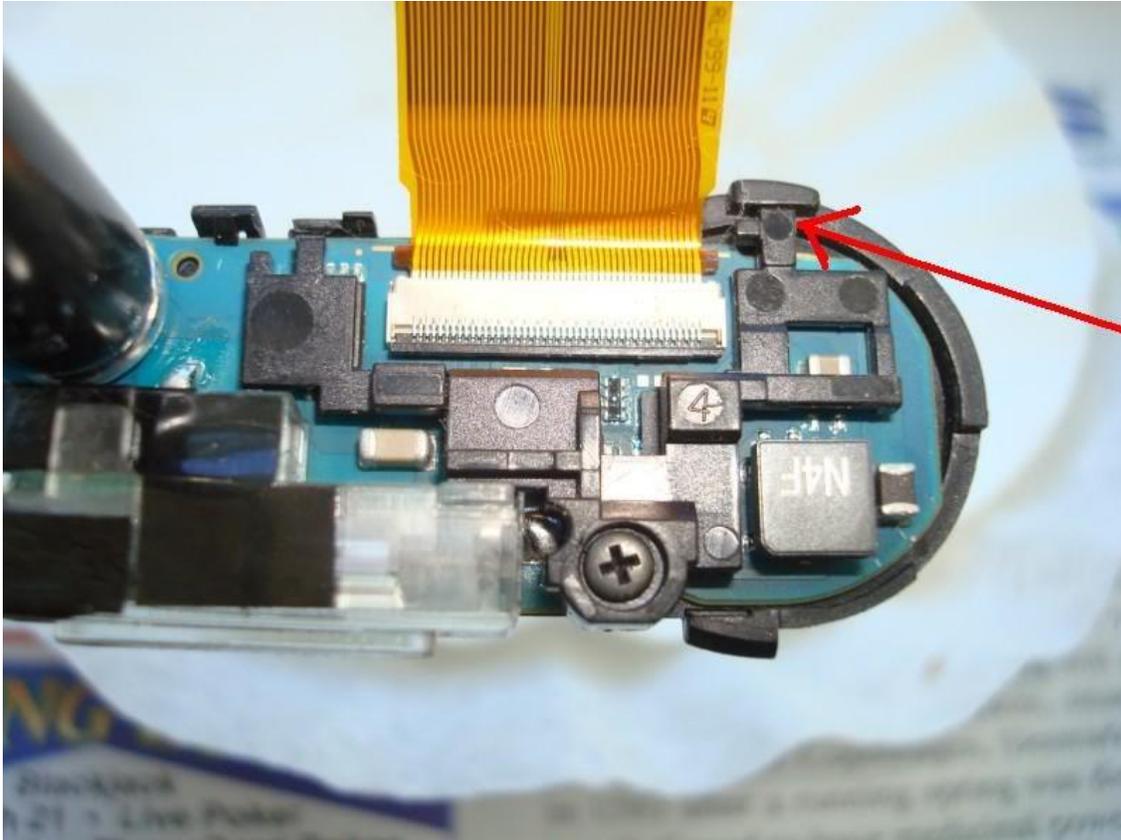
These arrows point to the ribbon cables that need to be disconnected. Release the black pressure plate and pull out the cables. The white arrow again points to the screw.



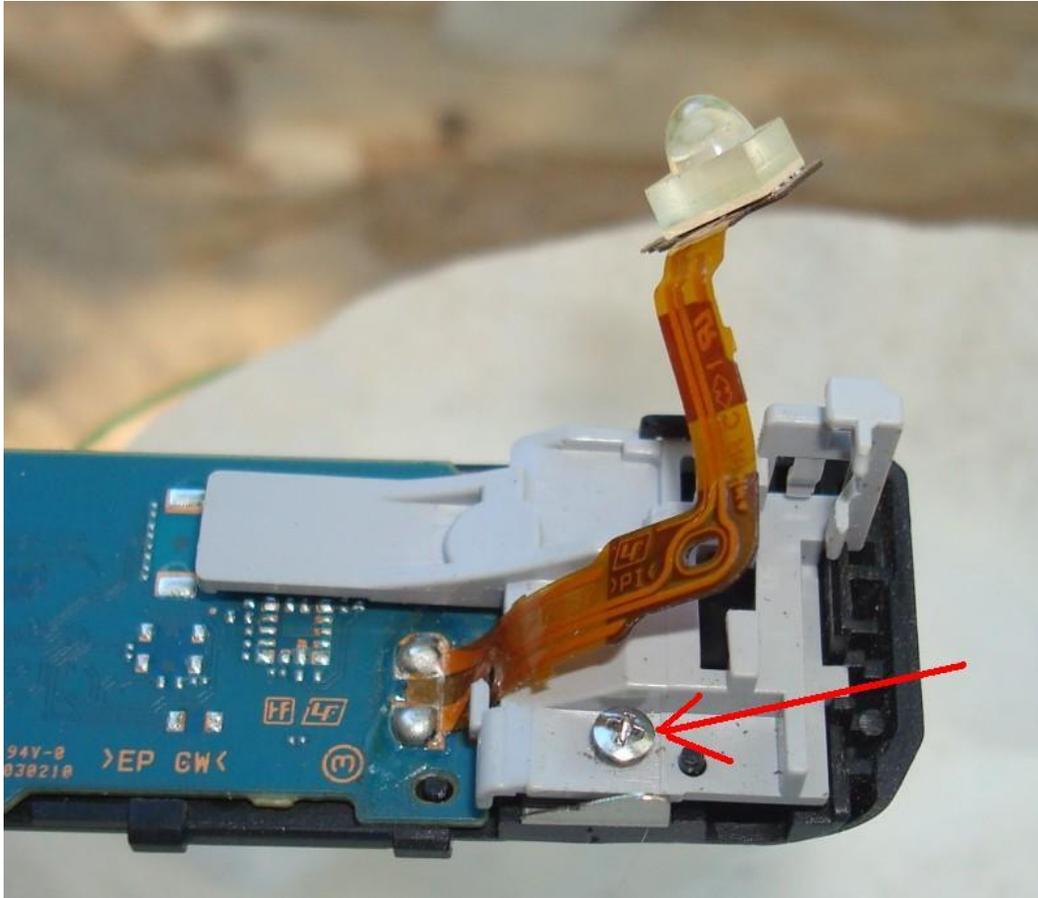
After the cables and screw are removed, gently pry up on the shutter assembly. Work the flash cap out from behind the lens cable. Rock the assembly forward and it will pop loose from the front case. This picture was actually taken on reassembly. That is why the cable is connected



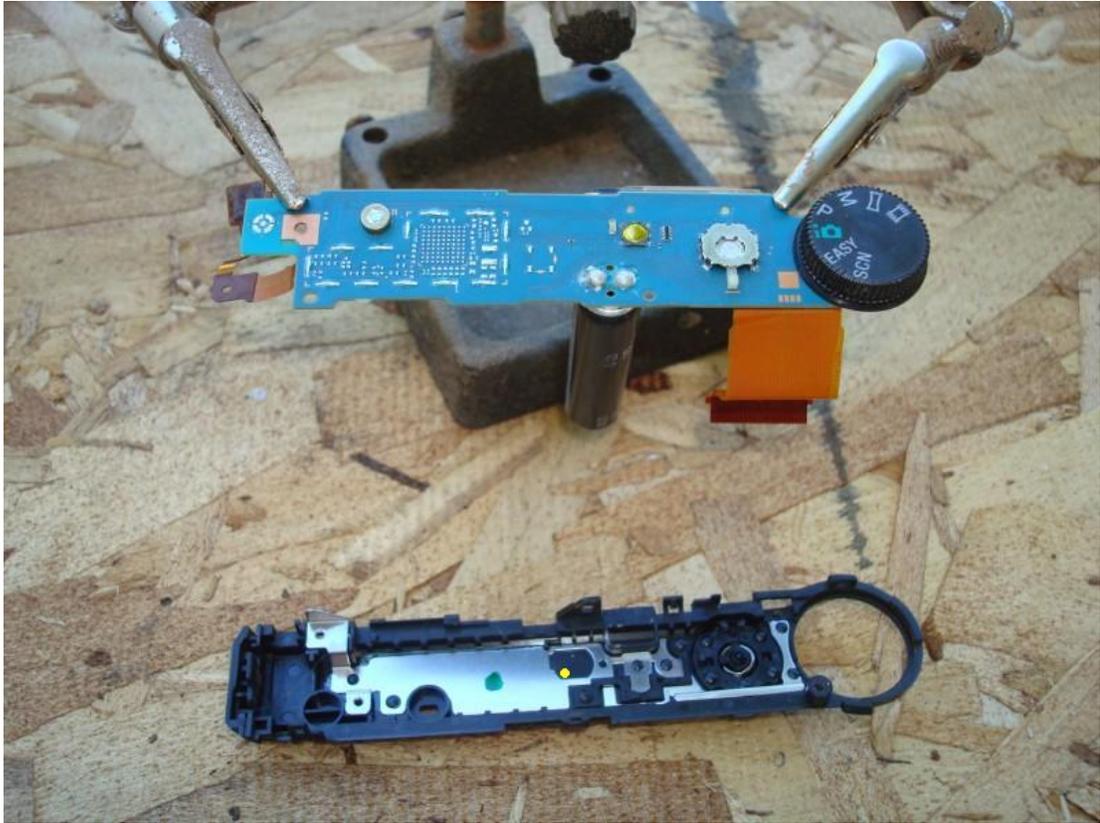
Now you are ready to take apart the shutter assembly. This picture shows a black plastic clip that you remove. It is secured by a black screw at the bottom. On reassembly, it is very important that the tab fits inside the retainer, or the case will not fit back together properly. The arrow points at this tab



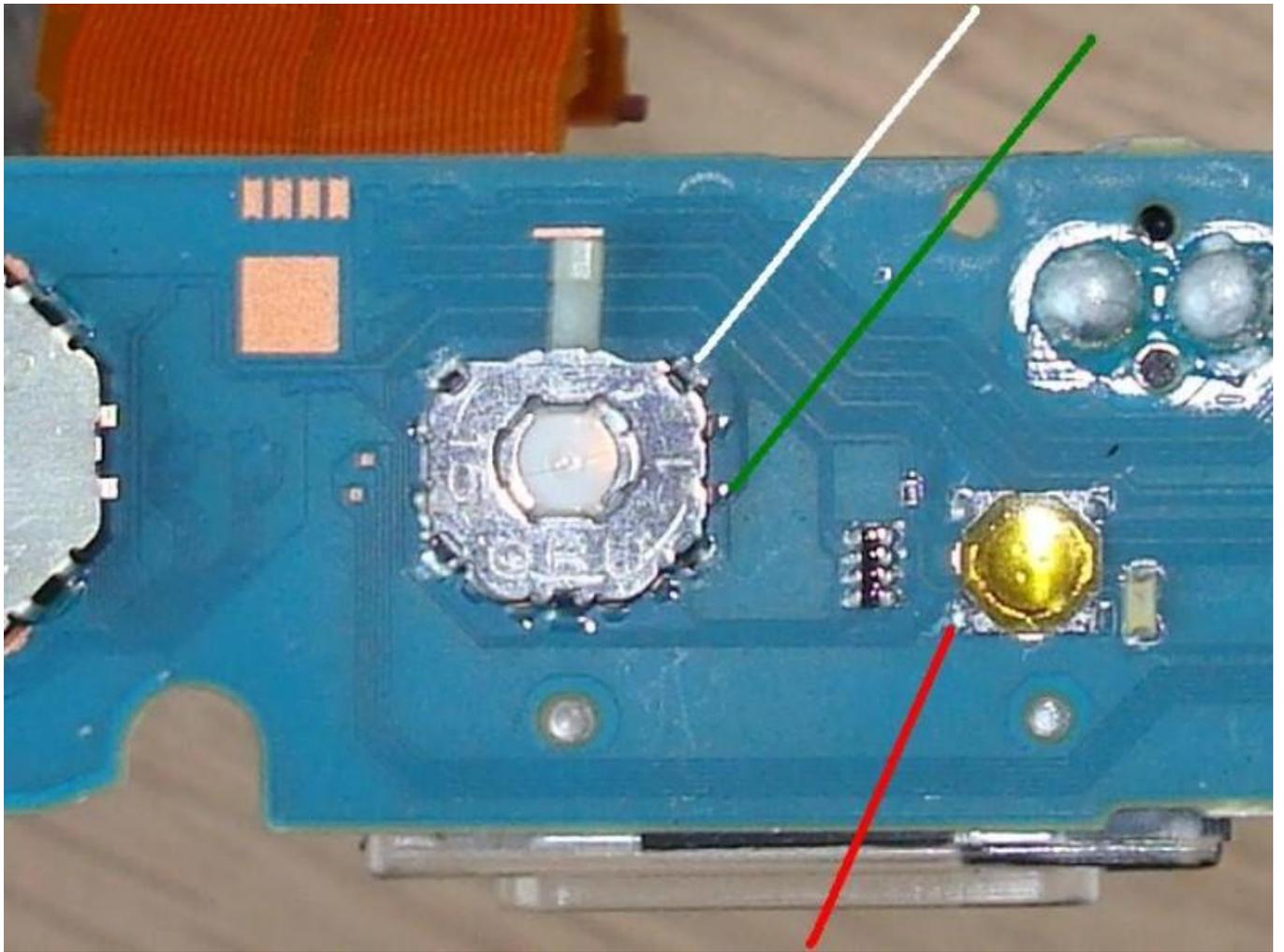
This picture is on the other end of the assembly. Pop the AFI loose, and then work the ribbon cable free of the series of plastic clips. Then remove the screw that the arrow is pointing to. Now the gray plastic piece can be removed. Underneath, you will see a copper ground pad and a copper screw. remove the copper screw



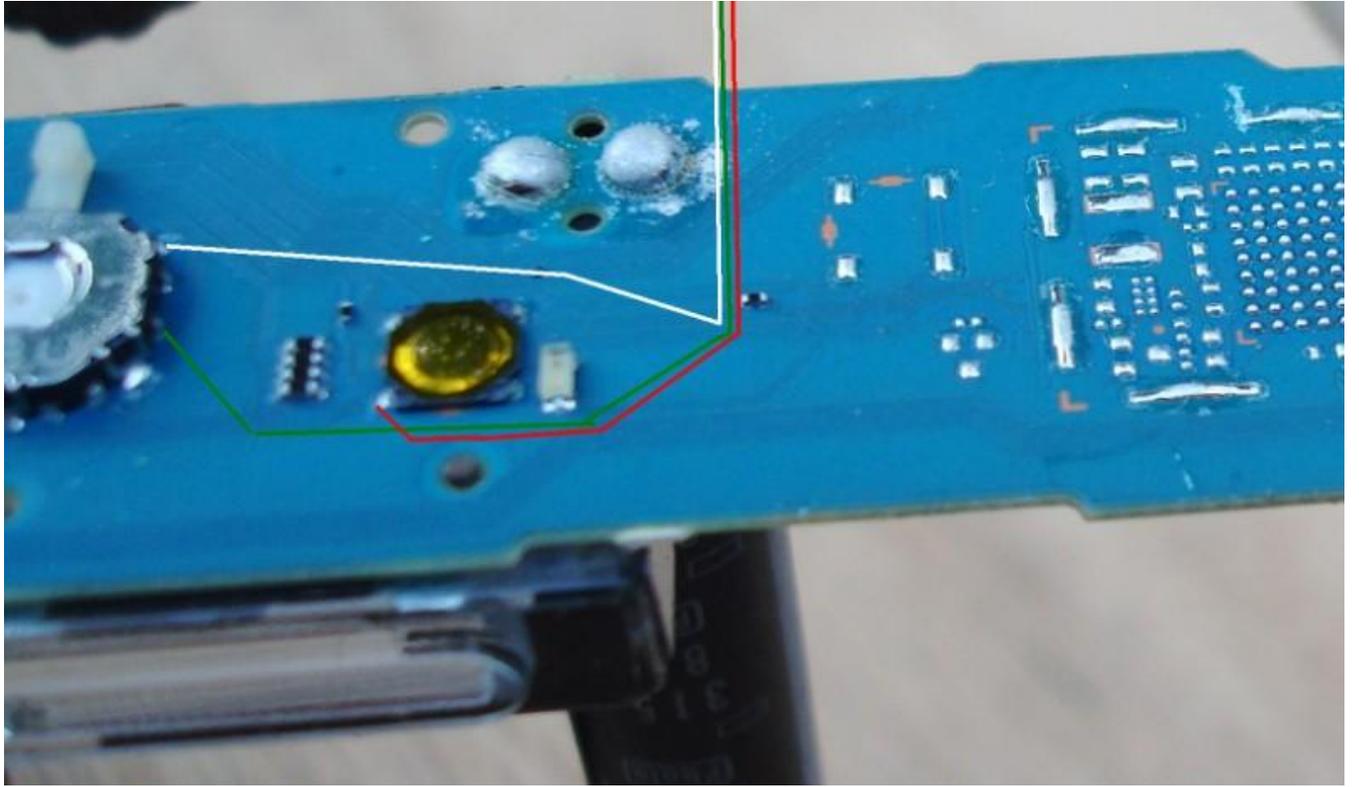
Now start prying the board loose from the button bar. In this picture I put a yellow dot on the black plastic where I drilled the hole for the hack wires to exit the assembly

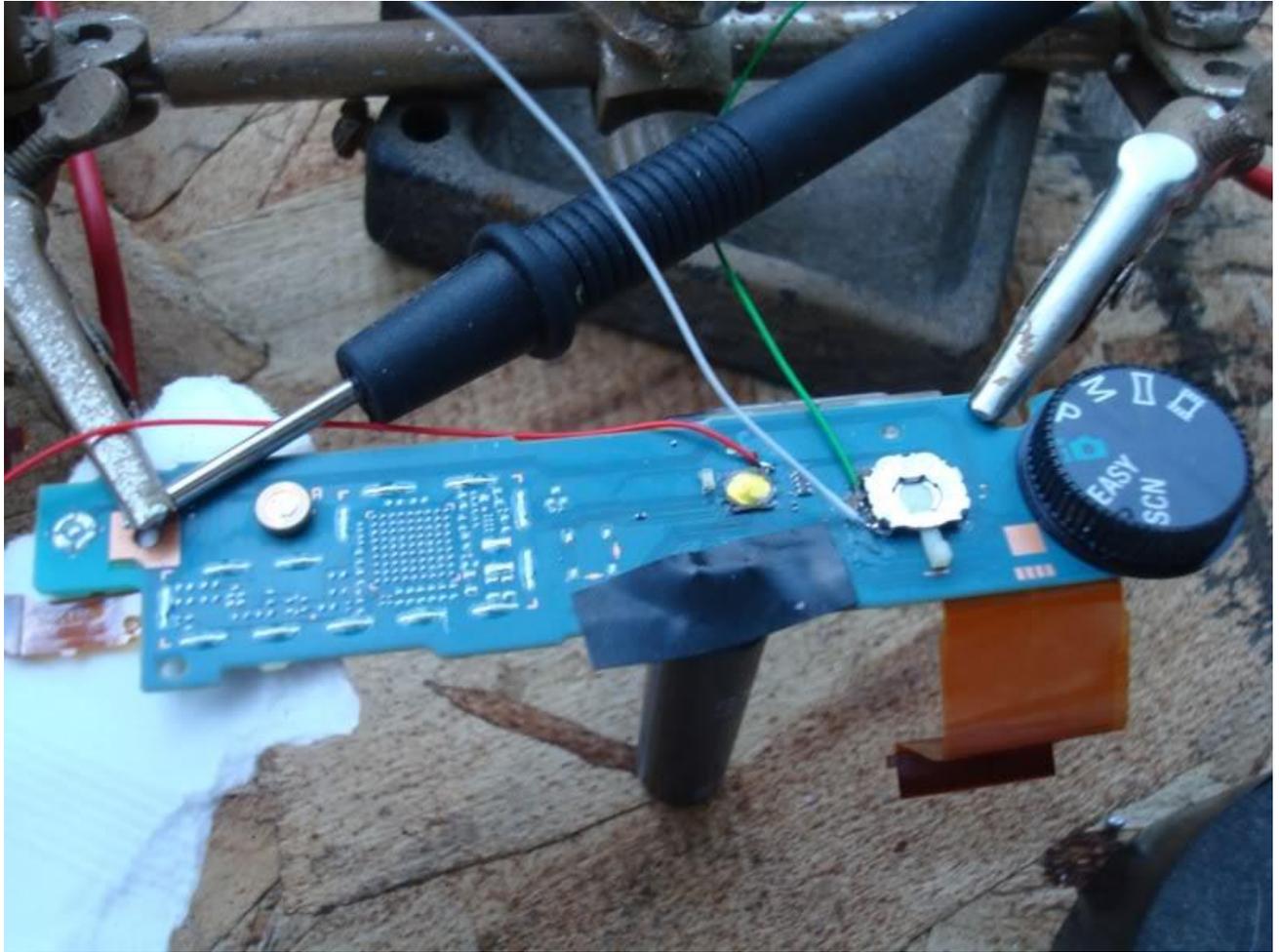


Solder connections
Red = Power
Green = Shutter
White = Ground



This picture shows how I routed the wires to get them out of the assembly





The hack is complete, the assembly is back together and the camera is ready to be put back together. I will finish this later. Please do not post in this thread until this is finished. That way the info will all be together

