

YetiCam LLC

www.YetiCam.com

Modification document for the Sony DSC-S600

This document was created using ideas and suggestions from numerous sources. YetiCam is producing this document to show the “preferred” hack of the S600 and also has added in a hack to allow the lens to stay extended. By using this special lens extension hack and special programming from YetiCam, the camera will fire a picture about ½ second quicker and the camera will be quieter. After performing the lens extension hack, the camera will not be able to be used outside of the deer camera unit without a special plug being used in the stereo jack.

Please note that making modifications to this camera will void all warranties to the camera and could damage the camera beyond repair. YetiCam LLC is not responsible for any injuries or damage created by use of this document.

1. Power on the DSC-S600 and once the lens is extended, remove the camera batteries and the memory stick. This will leave the camera powered down with the lens extended.
2. Remove screw A from the camera under the battery door.



3. Remove screws B & C from the camera.



4. Remove screw D from the camera under the USB hood.

YetiCam LLC

www.YetiCam.com



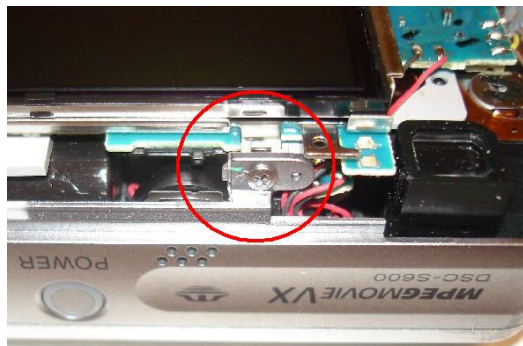
YetiCam LLC

www.YetiCam.com

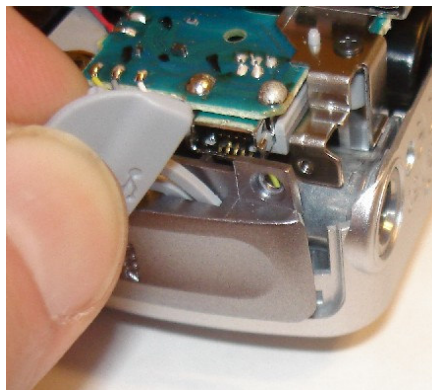
5. Carefully remove the back cover from the front by prying the two sides apart. Once apart use some tape to secure the LCD display to the camera and keep it from flopping around and causing damage to the cable.



6. Remove the screw from the cover protecting the power switch and the shutter switch.



7. Pry the switch cover out from the USB connector a little bit without breaking the cover.



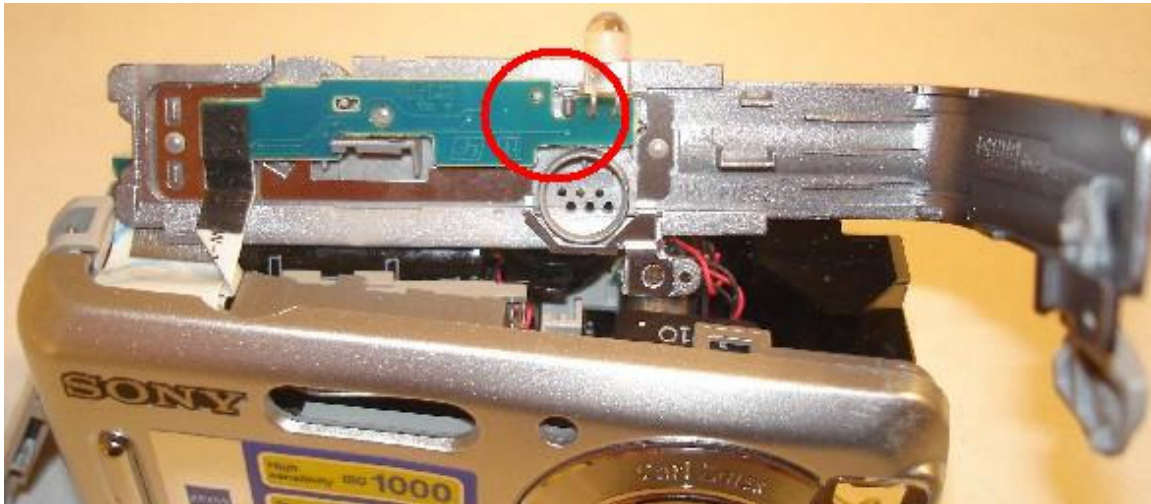
YetiCam LLC

www.YetiCam.com

8. Now separate camera circuit boards from the front camera case to allow the switch cover to be removed.



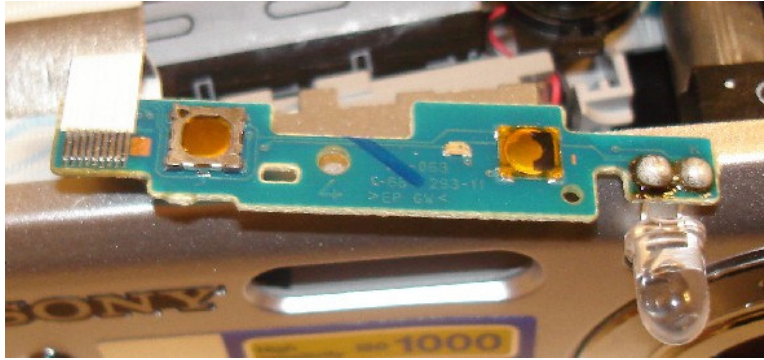
9. Once the switch cover is loose of the front cover, remove the circuit board from the cover by gently prying the plastic securing tab.



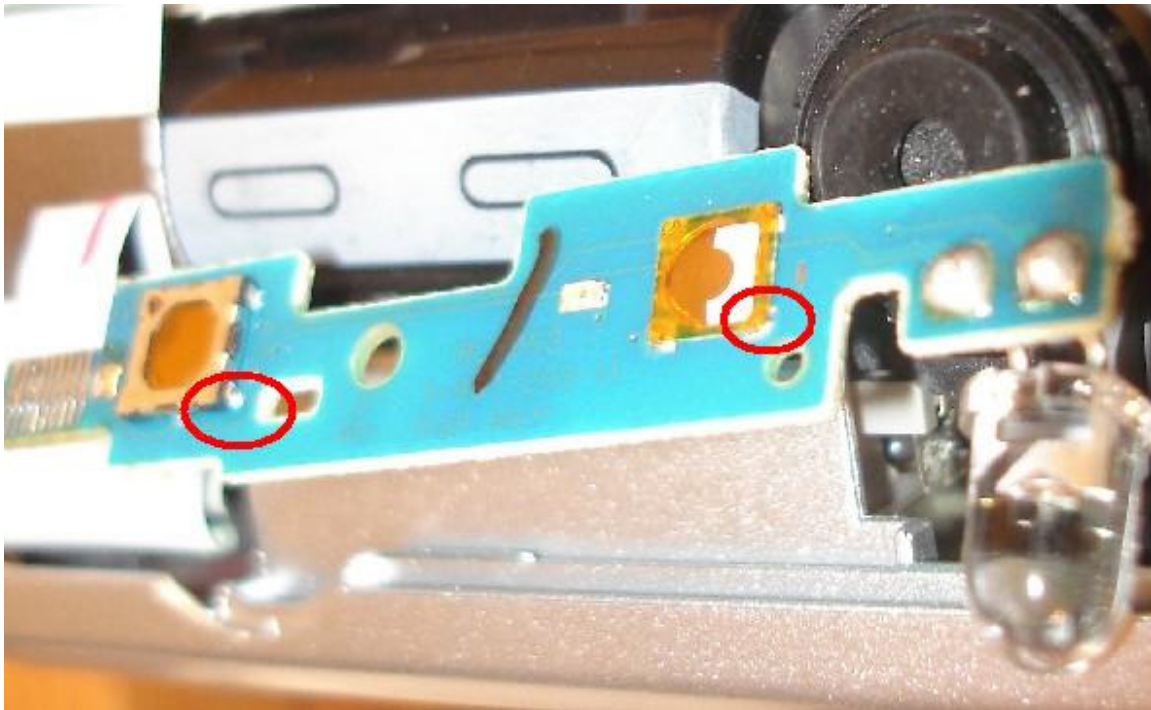
YetiCam LLC

www.YetiCam.com

10. The circuit board is now exposed and the contacts are ready to be soldered to.



11. Add the Power Wire (P contact on the control board) to the contact shown on the right and add the Shutter Wire (S contact on the control board) to the contact shown on the left being careful to not span the solder from the metal contact to the switch cover.



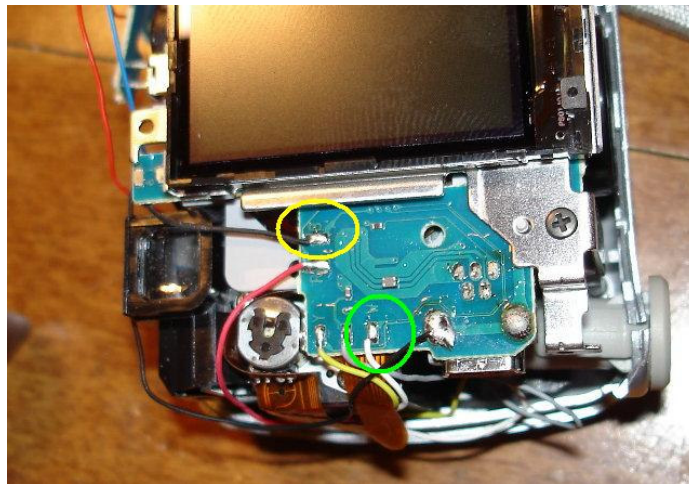
YetiCam LLC

www.YetiCam.com

12. Solder a common wire to the PC contact on the control board to contacts for the metal USB hood.



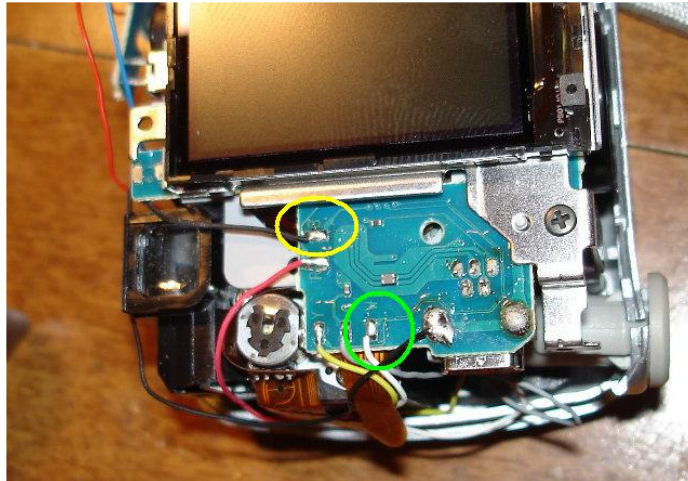
13. The next few steps will be required if the shutter cover and/or lens assembly will be hacked to disable them. If these hacks will not be made, the camera can now be reassembled.
14. To disable the shutter motor cover, the power circuit to the shutter cover motor will need to be disabled by heating up the solder joint on the black wire shown in the yellow circle below and removing the wire. Once the black wire is removed, tape it up with electrical tape and the shutter motor will be disabled.



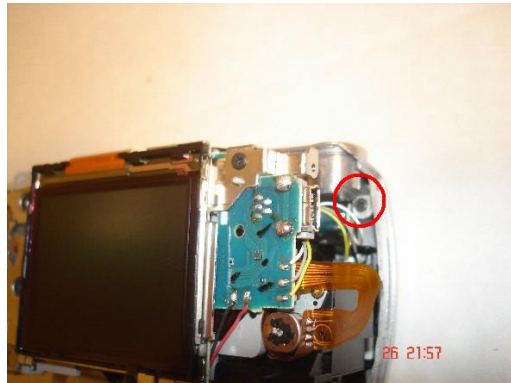
YetiCam LLC

www.YetiCam.com

15. To decrease lens movement and increase the speed of the camera (special S600 fast chip required) the lens cover switches will need to be disabled by heating up the solder joint on the white wire shown in the green circle below and removing the wire. Once the white wire is removed, tape it up with electrical tape and the solder a 30 AWG wire in its place that will be connected to the SC contact on the control board.



16. Route the wires out of the camera and reassemble the camera by reversing the steps shown here. The recommended exit method with the wires is to a stereo jack assembly that can be inserted into the tripod connector hole. The tripod connector can be removed by removing the screw shown.



17. The camera should be wired to the YetiCam board with the following connections:
 - a. Camera's Power wire should go to the Red Wire on the 4 conductor cable (the P pin).
 - b. Camera's Shutter wire should go to the Green Wire on the 4 conductor cable (the S pin).
 - c. Camera's common wire should go to the Black wire on the 4 conductor cable (the PC pin).

YetiCam LLC

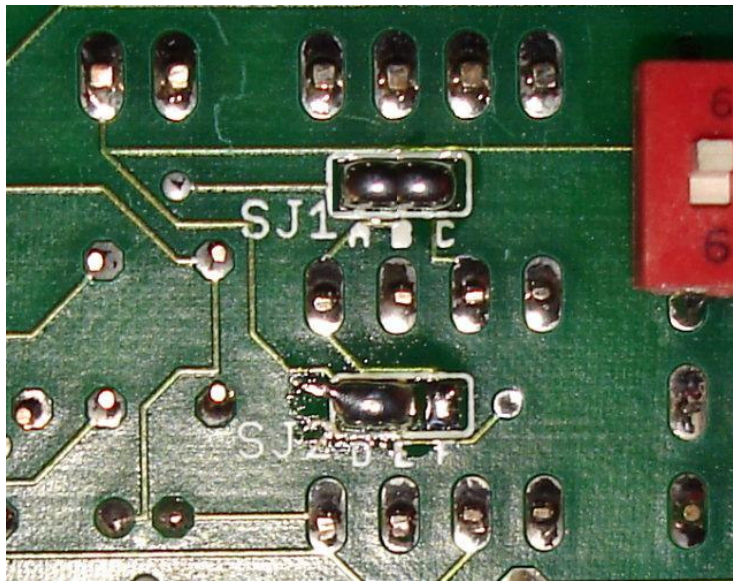
www.YetiCam.com

- d. Camera's lens cover switch wire should go to the White wire on the 4 conductor cable (the SC pin).

YetiCam LLC

www.YetiCam.com

18. Make sure that the solder jumpers on the back of the YetiCam control board have A soldered to B and B soldered to C. At solder jumper SJ2, solder D to E.



19. Once this hack is completed, the YetiCam control board will control the switch that indicates that the shutter cover is closed. If the camera is powered up on its own, an error message will be displayed and the camera will not work unless a special stereo jack or plug is connected (available from www.yeticam.com). When the camera is powered on, the cover switch must be closed (white wire connected to black wire) and once the camera is powered down, the switch must be opened (white wire not connected to black wire). When controlled by the YetiCam board, the lens will not fully retract when the camera is powered on but will instead retract a small amount and then extend again. This hack will quiet the camera's noise created by full movement of the lens assembly and will also speed up the camera by 1/2 second.