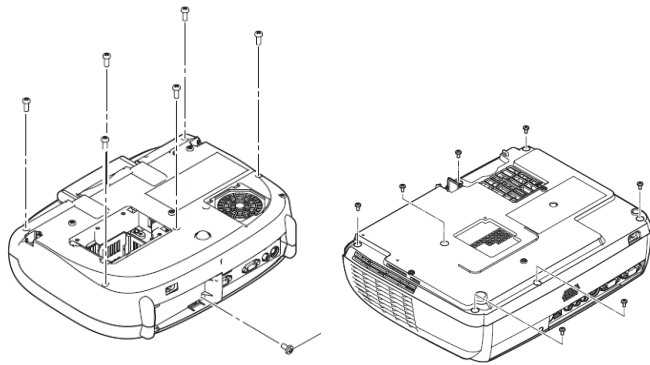


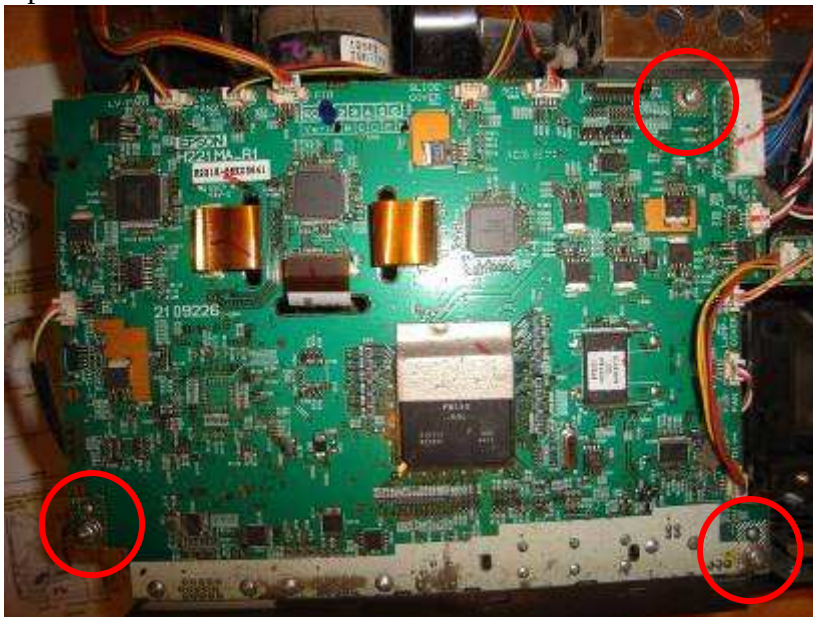
Disassembly of an Epson S1/S4 for cleaning

Note: These instructions are for information only and no liability is taken for their use. Dismantle a projector at your own risk and no guarantee is given for its success.

Remove any bulb or air filters and clean.



Remove the screws holding the two halves together, on the S1 remember the ones behind the remote holder and on the connection panel on the side. Open the case and look at the circuit board.



Unclip and connecting cables taking note where they go. Unclip the three main ribbon cables, then unscrew the three screws shown (S3). The S1 is similar. Once all connections are disconnected the board should just lift off.



You should then see the main parts of the projector, the “colour valves” connected to the three ribbon cables and the light box with the mirrors and lenses. Look for the screws that hold these down to the case. If a screw looks as though it has paint or nail varnish on it do not undo it, they are fixed in position and do not need removing. Once removed you should have the following parts:



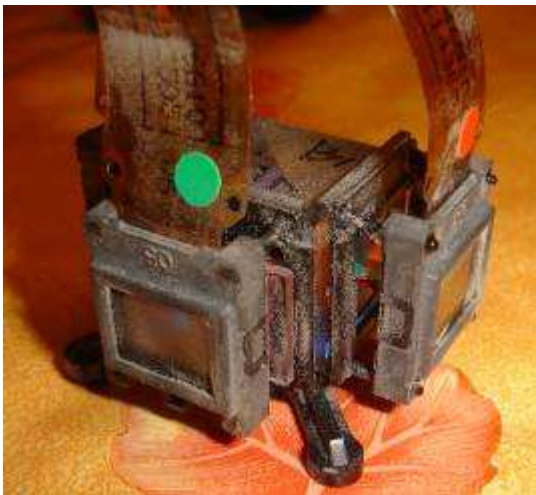
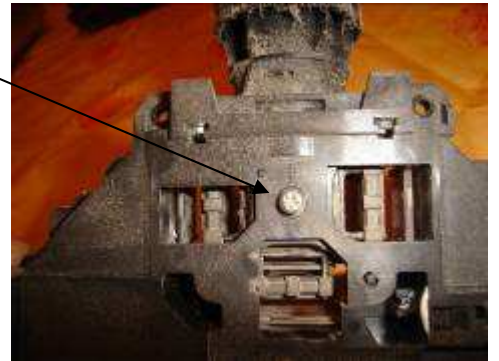
At this stage of disassembly you could clean the lenses and valves etc but you can dismantle further.



To remove the main projection/focus lens remove the three small! Screws around the outside of the focus shroud. This then slips forward. The rest is then held on to the light box behind with four screws. Watch out for the nuts as they are not fully captivated and can fall out (easy to put back though!)

To remove the light valve unit undo the single screw beneath the centre of the light prism in the middle of the three ribbon cables and lift out.

The light vanes are where most of the dust accumulates as shown with the photos. Use air to blow this dust away.



If you want to delve even further you can carefully take off the top of the light box to inspect inside, its only held on by screws, but I have not found much dust getting in here.



Empty (nearly) case ready to spring clean)



The fans at either side of the focusing unit should be cleaned out and also the ducts that lead away to the colour valves. No point cleaning them only to blow more dust back on! Clean out also the side fan near the power unit (Do not touch or dismantle anything to do with power!) The fan can be removed as it's only held with one screw.



Now you have cleaned it all, carefully reverse the procedure, making sure that all cables are correctly placed and secure, it's easy to forget one or not have a ribbon cable in straight (I should know!). If you have been careful and conscientious about how you approached this then the projector should work and give a clear bright image, saving you plenty of money along the way. The Epson S1 and S4 (the only Epsons I've had a chance to have a go at yet) are very similar with parts but the S1 is just a slightly bit more fiddly and a couple of extra screws etc. Just be methodical and you should be alright. The projectors that use the three LCD screens for the projected image all look very similar in layout (Sony VPL-CS5 done and completed).

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