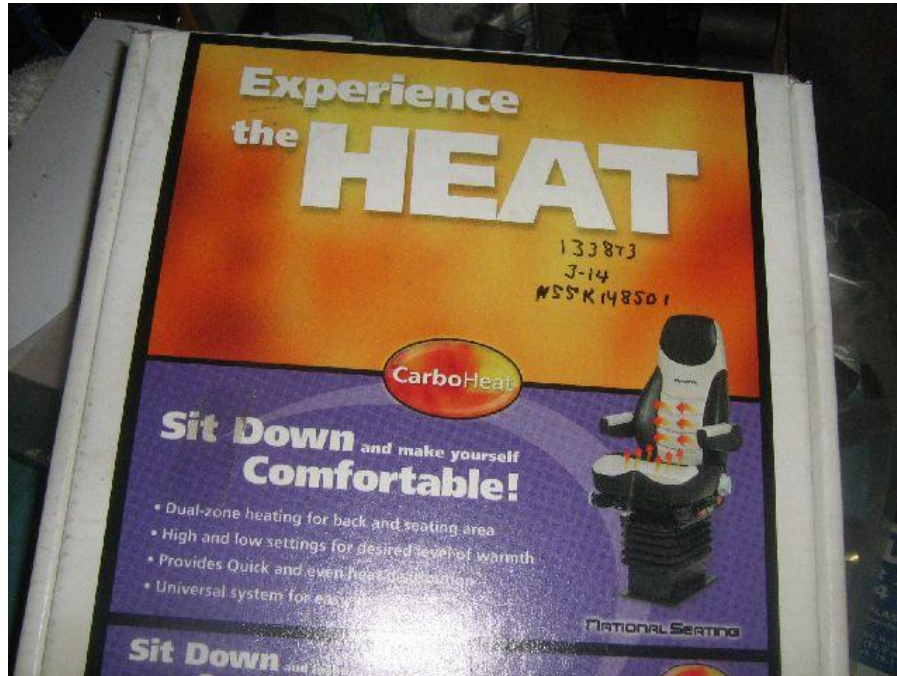


Repairing the seat heater

Below is the method I used after the excellent pictures from [kuhlmeister](#)

I had bought aftermarket heater pads in order to replace mine as neither the bottom or back of the seat heated up. I checked I had voltage at the plug under the seat but I had no continuity between the wires in the seat. After reading of [kuhlmeister](#)'s repair I decide to try repair before replacement

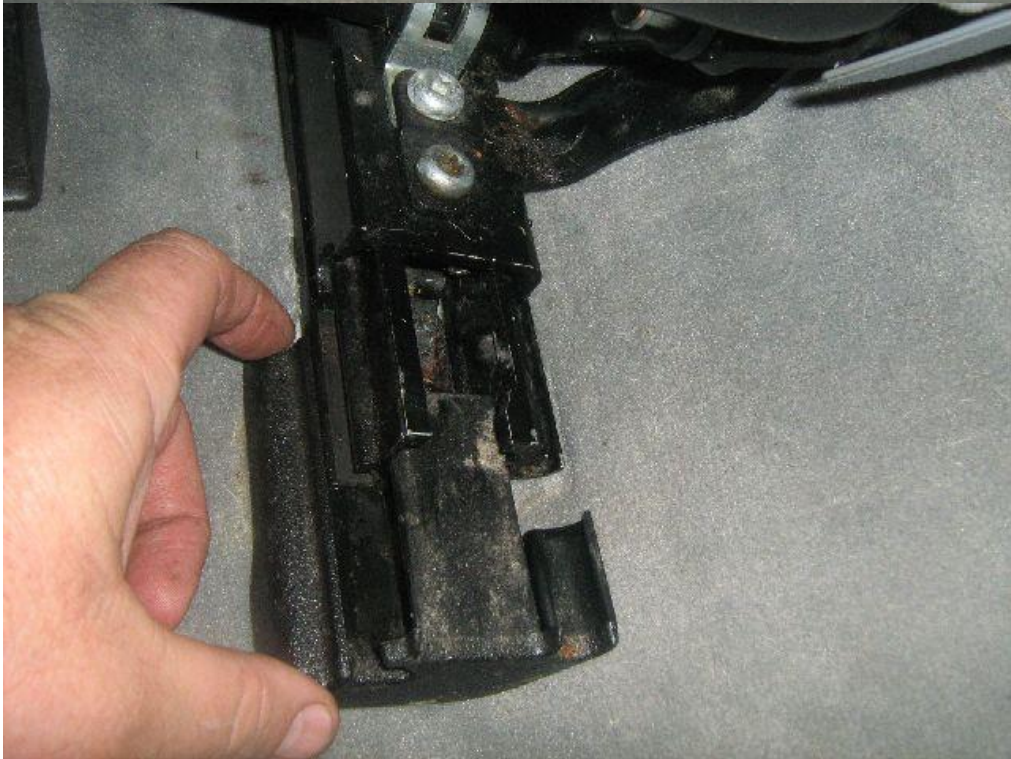


Unfortunately I had got half way through before I remembered to take pictures so if the order sometimes seems odd its because I photographed putting it back together!

First put the seat into the middle of the rails and raise it to the highest point front and back and lower the headrest to the bottom stops. Then undo the door side seat belt bolt. Its under a plastic cover that just pops off from the bottom edges.



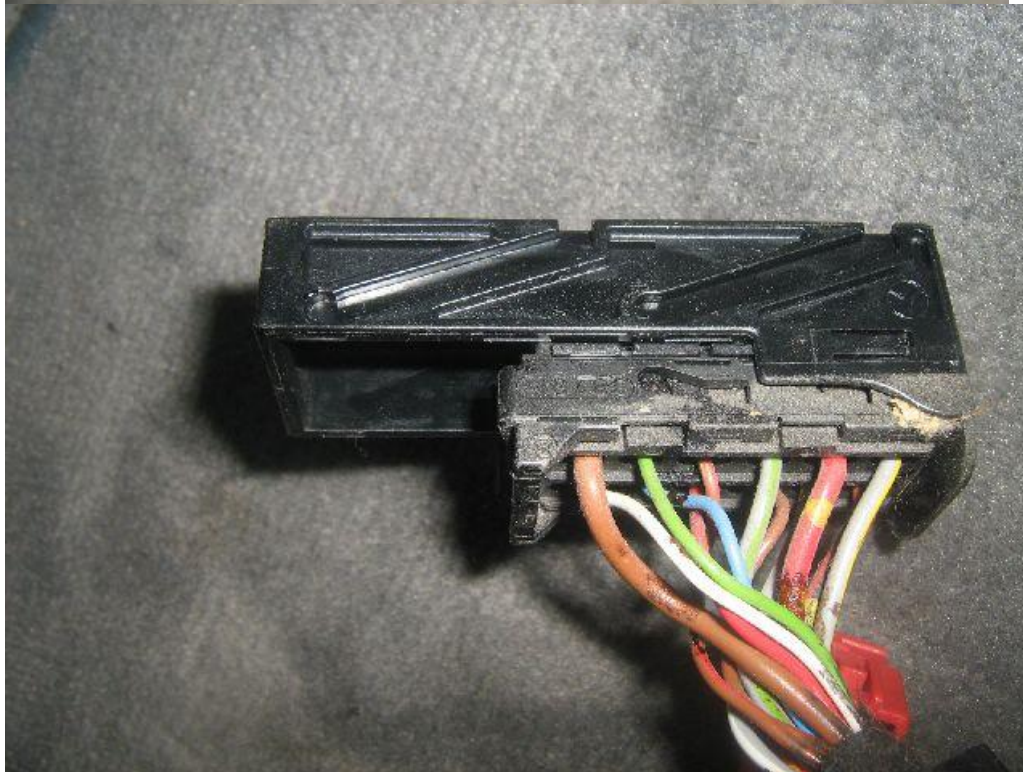
The seat in the right position pull out the rear covers on the seat rails – just finger pressure – to expose the bolts. The fronts are open. It takes a 12mm internal star





Remove the wiring from the front connectors – the plugs on the door side just pull out but the big connector to the seat module has a slider. As you pull it towards the door it unlatches the connector and pops it out for you.



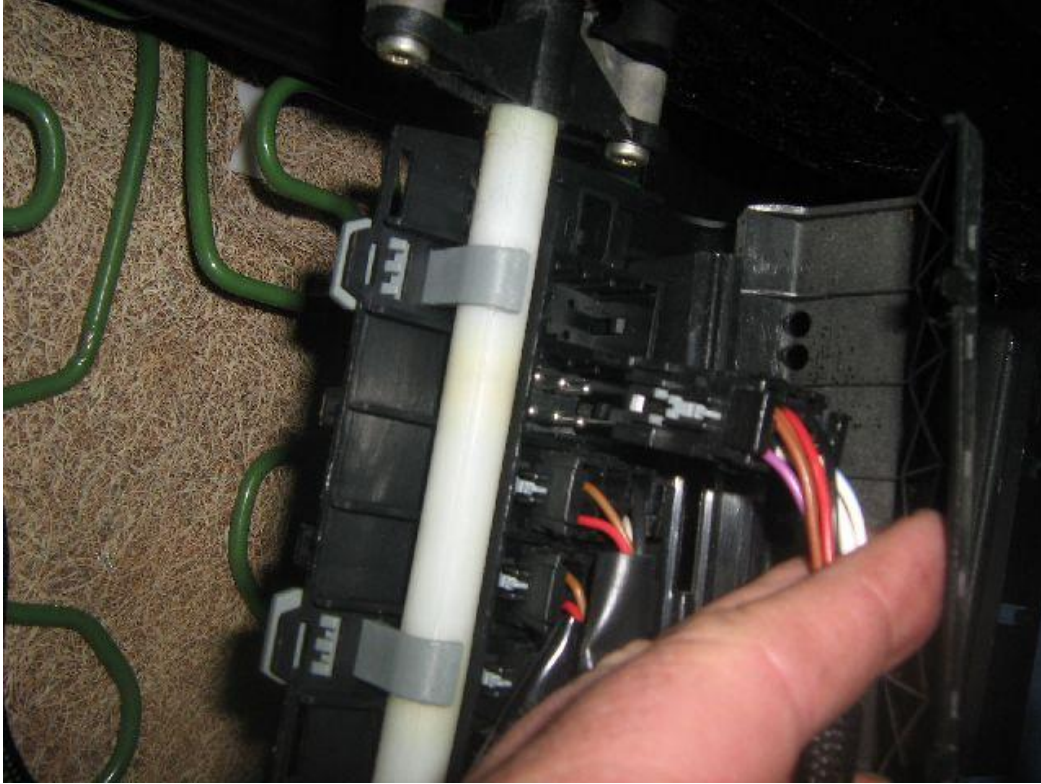


Then just lift out the seat. Make sure you have some blankets or similar on the floor to lay it on, you can also get at nthe wire connectors easier. Undo the 2 bolts and remove the small connector that has the seat heater wires in it.



Then trace those wires back to the main module pop the back open and unplug the wires where they go into the control module





Once you have it out its easy to work on and you now have to separate the back from the bottom. First undo the one screw on the back of the plastic cover that goes from the door side front to back, the rest of the panel pops off once the screw is out and I have marked the connections in red circles. The prong slides into the cover so you actually push the cover towards the front of the car to remove it.





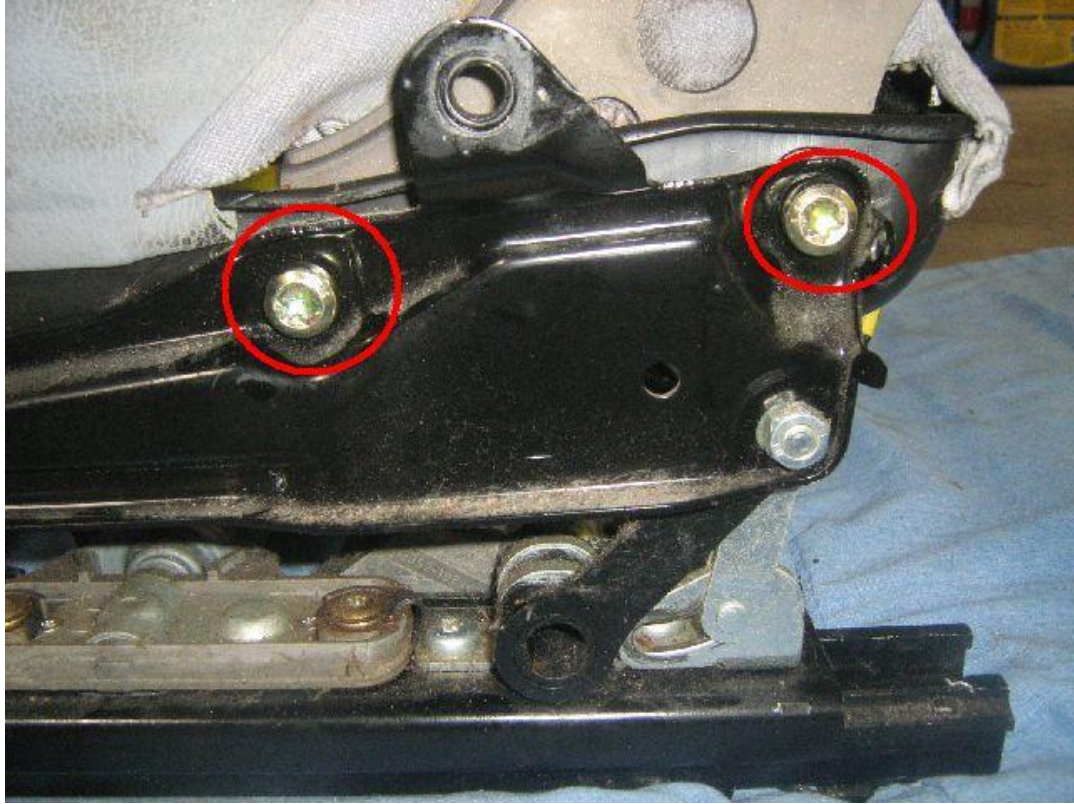
Then flip the seat over and remove the other side and the bolt into the seat belt latch. The plastic cover is held in by a small stud that locates into a hole. Just pull the back of the plastic towards the rear of the car and the stud pops out then you push it forward to detach the slot off the tang on the frame and wiggle it off the seat belt latch holder







One they are off you can undo the very front bolt and the two rear bolts on each side . this will separate the base and motors from the seat base and the seat back from the seat bottom





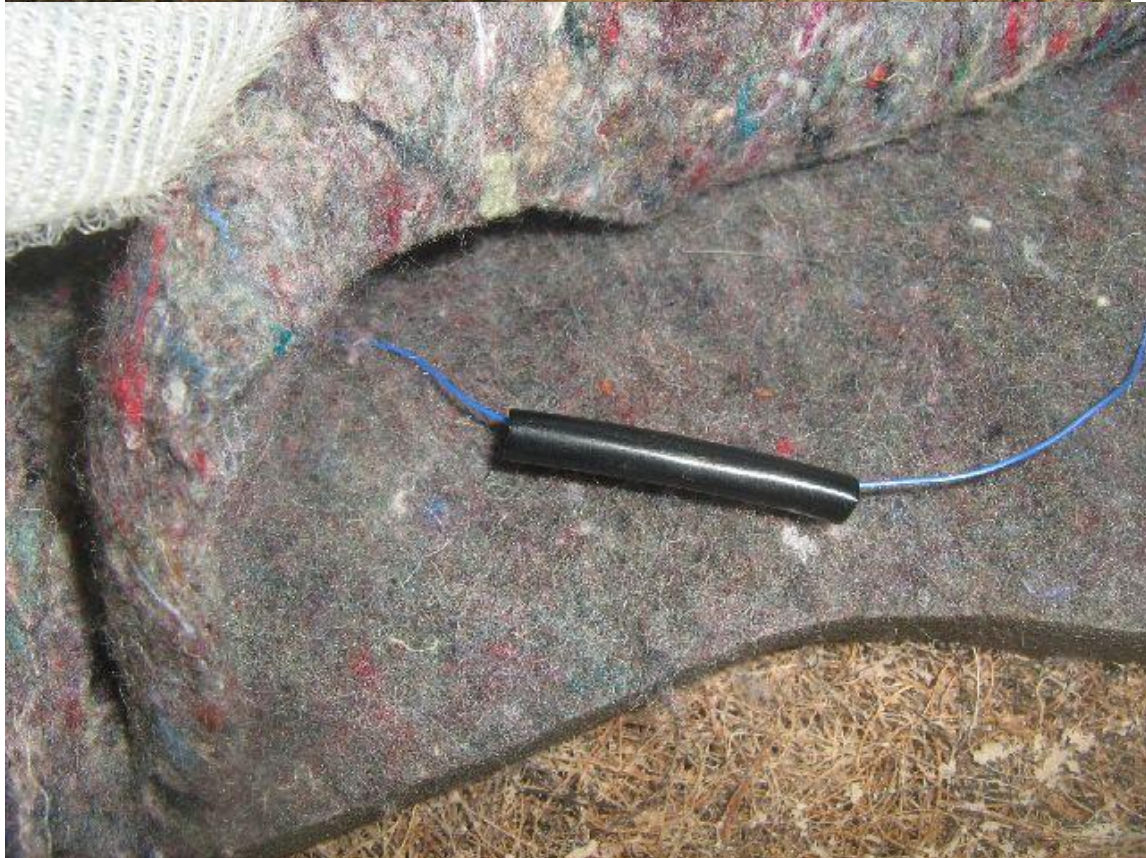


To get to the seat top heater you can remove all of the leather but the most likely place is the left bolster panel so I just removed the back panel and peeled the leather up from the bottom



For the base you then apply pressure to the seat leather and peel it off the base – its really easy. The cross bracing in the leather is held onto the seat pad by white plastic clips, just push the steel bard down and against the clip retainer and then pull up and it will pop out of the clip. I did exactly the same as kuhlmeister and checked the left bottom bolster first as that is the one that gets the most beating as you get in and out and there was the scorch mark!. One just has to peel back the felt layer at the foam, it may tear a little but the wires sit between the felt and the foam. I repaired mine a little differently , I cut back to good wire and then slid on a crimp connector and a few inches of shrink wrap and then soldered the 2 wires together fitted the crimp over the solder and shrink wrapped it all together. I used 3m 77 spray adhesive on the felt backing and stuck it all back together.







You have to put the crimp and the shrink wrap onto the wire first obviously! Otherwise you are a bit stuck.

The damage on the seat back was similar – in the left bolster – but was actually caused by the original manufacturer sewing the braided line that carries power to the heating wire into the seam. Every time the seat moved it would bend the braided wire which eventually gave out. I used some solder wick to repair the wire (that seems to be what they used originally) but normal 14 or 16 gauge wire would work as well. I didn't even remove the leather for the back, just removed the board and then unclipped the bottom leather from the tangs. Unclipped a few of the retainers and I could easily access everything I needed to. The back uses red clips not white ones but they work the same way.





. Hey presto all done. Just check for continuity before you reassemble. Mine had about 3 to 4 ohms of resistance once fixed.

REPLACING THE HEATER PADS

I originally intended replacing the heater pads which became unnecessary. If I was still going to do that now that I have had the seat apart the easiest way would be to simply cut an 11 inch square out of the felt down to the fabric leather layer and simply stick the new heating pad to the base of the seat. Then using something like 3M 77 glue the square you cut out back on top of the heating pad. The wires in the original system are thin so would not need to be removed, the felt pad peels off the original fabric and foam backing easily (sort of). It would probably be just as fast to replace as to repair. I repaired as the aftermarket seat pads are not going to go out to the side bolsters etc, just heat in the middle of the seat. The top and bottom replacements would wire directly into the existing seat heater plug under the seat.

Hope this helps someone and many thanks to [kuhlmeister](#) for doing his first.