

Martin Logan Quest Stator Panel Shower Washing.

Tools needed to complete-

Rubber Head Hammer, or similar, so not to damage the side trim panels.

Flat Blade screwdriver, about 4mm wide is good.

4mm Hex Bolt driver or Allen Keys.

Some Pillows or soft support for the speaker to rest on.

1. Unplug the speakers for at least 24Hrs, to confirm that the HV Charge has dissipated play some music, you should have no sound from the Stator.
2. Turn off your amplifier that feeds your speakers. (I leave my amps on 24/7, so it is easy to do damage by shorting speaker cables etc.)
3. Remove the speaker cables.
4. Place the pillows or soft support on the floor ready to lay the speaker onto. I used my Son's Hot Wheels Beanbag for the main speaker body and pillow under the binding posts.
5. Lay the speaker on it's back, be careful not to let the speaker rest on the speaker binding posts, as you could damage them.



6. Tap the side trim panels up from the base of the speaker to remove them, the Rubber Head hammer will not damage them. Remove both sides.



7. Remove the Bass driver cover, there is a piece of Velcro in each corner, gently lift each corner of one side tilt up and remove the other side Velcro.



8. Undo the 3 screws for the wiring connected to the stator panel.

9. In each corner of the Stator there is some Velcro, Lift the Stator panel from one edge and gently lift the Stator clear of the speaker.



10. I put a towel on the floor outside in the shade, ready for the washed panel to be placed and to dry.

11. Shower Time, Remove the shower head from the hose, Use just warm water at a medium pressure, I used enough water pressure so that the water went through the holes in the Stator, but had minimal spray back. If you get a lot of spray back of water then turn the pressure down a little. You also don't get as wet. Wash the entire panel, I leaned the panel against the wall of our shower, and let loose with the water. I started on the back, and then moved to the front of the panel. It took about 10 to 15 minutes to carefully go over the entire panel.





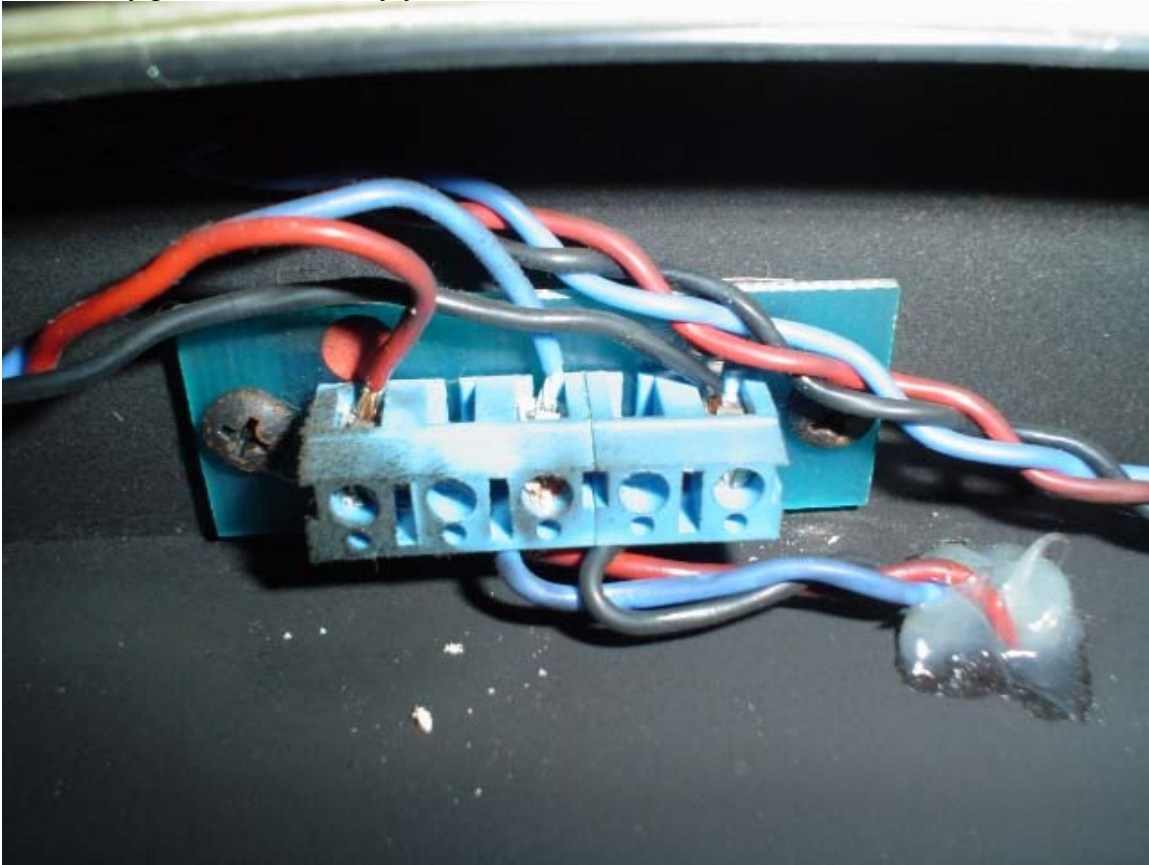
12. Once the washing of the panel was completed, I lifted the panel and shook it up and down, a lot of the water inside the Stator will come out.

13. I put the freshly washed Stator outside to dry, now onto the other Stator washing.



14. After finishing washing both Stators, I wiped them down with a towel, to remove any surface water and soak up as much water from the panels as possible.

15. I let the Stators sit outside while I did some maintenance on the rest of the speakers. The Stator terminals had lots of corrosion and carbon marks on them both. So I replace the terminals with new sets, not original, but shouldn't give me any problems for many years to come.



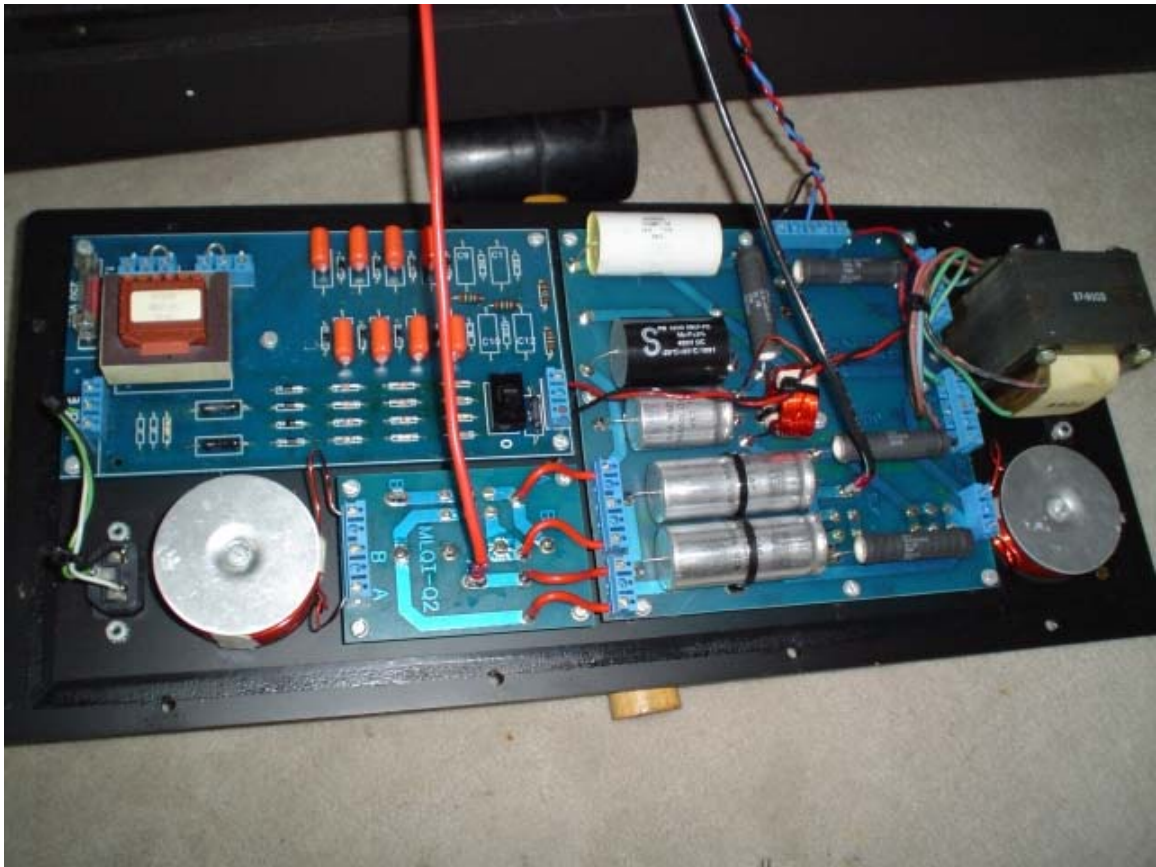
16. I also had to clean the 3 cables that come from the crossover board and HV supply, as they also had corrosion. I cut back the cables until I got to good clean copper cable, then soldered the cables with Silver solder.

17. I also replaced the silicon around the cables, as the original silicon had lost its seal, new silicon and I now moved onto the Crossover and HV supply boards.



18. For the next stage you need to lay the speaker on its side, that way the rear Panel will lay on the floor, making it easy to work on.
19. I remove the Hex Bolts from the Rear Panel, which holds the HV Supply and Crossover components. I checked all the components for discoloration or problems, but found nothing. I then moved onto the terminals, and found that some were loose. So I tightened every terminal.





20. Bolted the back panel into place and check the other speaker. No Problems found.
21. I check the Stators outside, and found that they were pretty much dry. I resisted the urge to put them back in place, but put them inside on a towel for the night.
22. At about lunchtime the next day, I got ready the install the Stators back into their speakers. I lay the speaker on its back onto the Bean Bag and pillow, and I replaced the panel onto its Velcro holders. Aligning the panel at the top of the frame and central to the sides.
23. I reconnected the cables to the Stator, Same color to Same color for connections.

24. I also secured the wiring and connector so that it wouldn't drop down towards the Bass Driver and cause problems later.



25. I placed the Bass Driver cover onto its Velcro and made sure that the placement was flush with the base of the speaker. A small adjustment up or down as required, and the same for the Stator of required.
26. All that was needed was the side trim pieces, Lay them into place and tap with the Rubber Head Hammer. They need to be flush at the base of the speaker.
27. I plugged in the speaker cables.
28. I plugged in the Mains Cable.
29. Turned ON the amplifier and got out my favorite CD, which is Pink Floyd.
30. Hmmmmm, back to the way they are suppose to be, That Martin Logan sound.

I hope that this has helped those who are a bit scared of taking their much Loved speakers to the shower, but the benefits are well worth it.
This procedure won't revive all speakers, so Stator replacement could still be required.
But there is no harm in trying.

It has given my Quest another 5 to 6 months, and I will order a new set of Stators.
I can't wait for that day.

Cheers
Steve