

## Fixing the Mercedes siren module

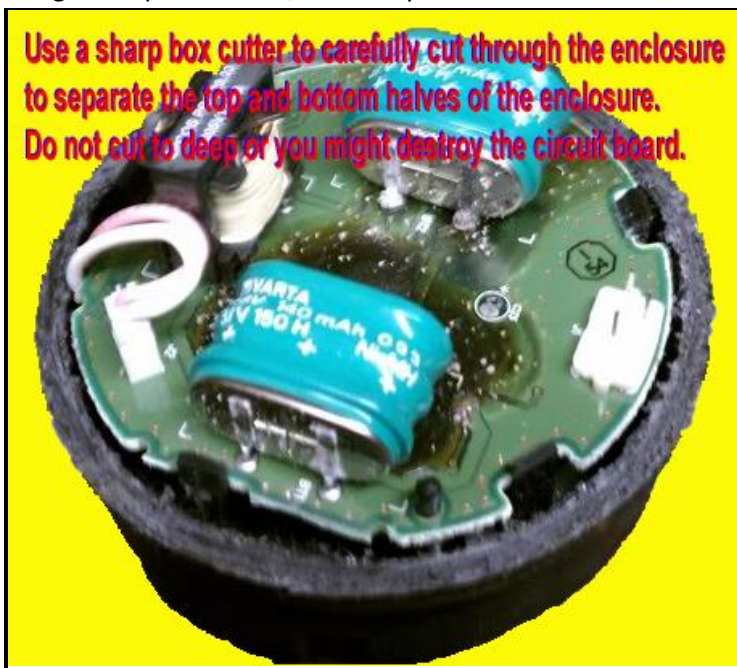
- 1) Remove the front driver's side tire (wheel).
- 2) Remove the plastic under-fender mud cover using metric socket #10 and #8.
- 3) Undo the bracket holding the siren module using metric socket #8.



- 4) Remove the siren module from the metal fastening bracket using a tamper-proof Torx hex star spanner tri-wing T35 bit (alternatively, you may try using a small Vice-Grip).



- 5) Using a sharp box cutter, delicately cut the siren module in half to get to the electronic printed circuit board.



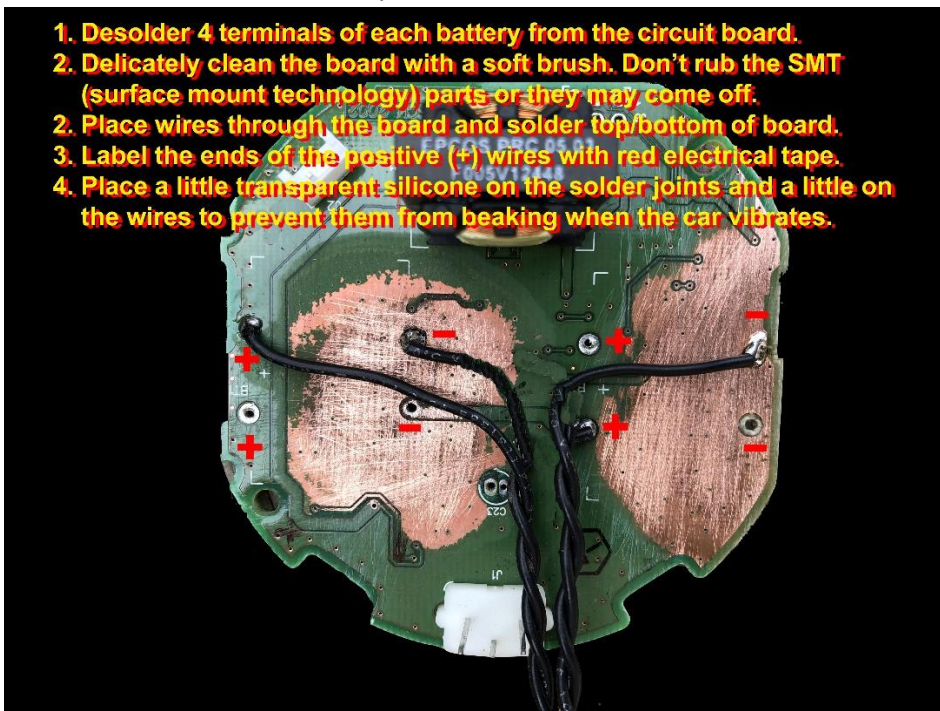
- 6) Unsolder the two on-board batteries (they are each oval and about ¼ the length of a AA battery).



- 7) Carefully clean both sides of the board with a soft brush. Avoid any SMT (surface mount technology) electronic components or they may come off the board. If you feel they are covered with corrosion, brush very gently.



- 8) Solder 4 wires where the battery leads once were.



- 9) Place clear silicon on the solder joints and between the wires and the board to prevent the joints from breaking during vibrations.
- 10) Drill a hole in the top half of the cover to allow the wires to come out.
- 11) Place the printed circuit board back in the plastic housing cover.
- 12) Silicon both halves of the cover back together.
- 13) Seal the hole with silicon.



- 14) Solder two 3.6-volt DC metal hydroxide (Ni-MH) batteries to the ends of the wires and use shrink tubing on each solder joint. The leads of one battery is soldered to the battery 1 wires (positive to positive and negative to negative), and the leads to the second batter is soldered to the battery 2 wires. Each battery costs about CDN \$14.00.



- 15) Secure the siren module back into the metal housing bracket using the T35 nut.
- 16) Place the two external batteries under the siren within the metal housing bracket. There is enough room to place the two batteries at 45° angles under the black siren.
- 17) Put a little silicon around the batteries to hold them in place inside the metal housing bracket.
- 18) Remount the siren module metal bracket back under the driver's side wheel fender.
- 19) Put the plastic mud wheel cover back on.
- 20) Put the tire (wheel) back on.
- 21) Verify the torque of the wheel lugs.