

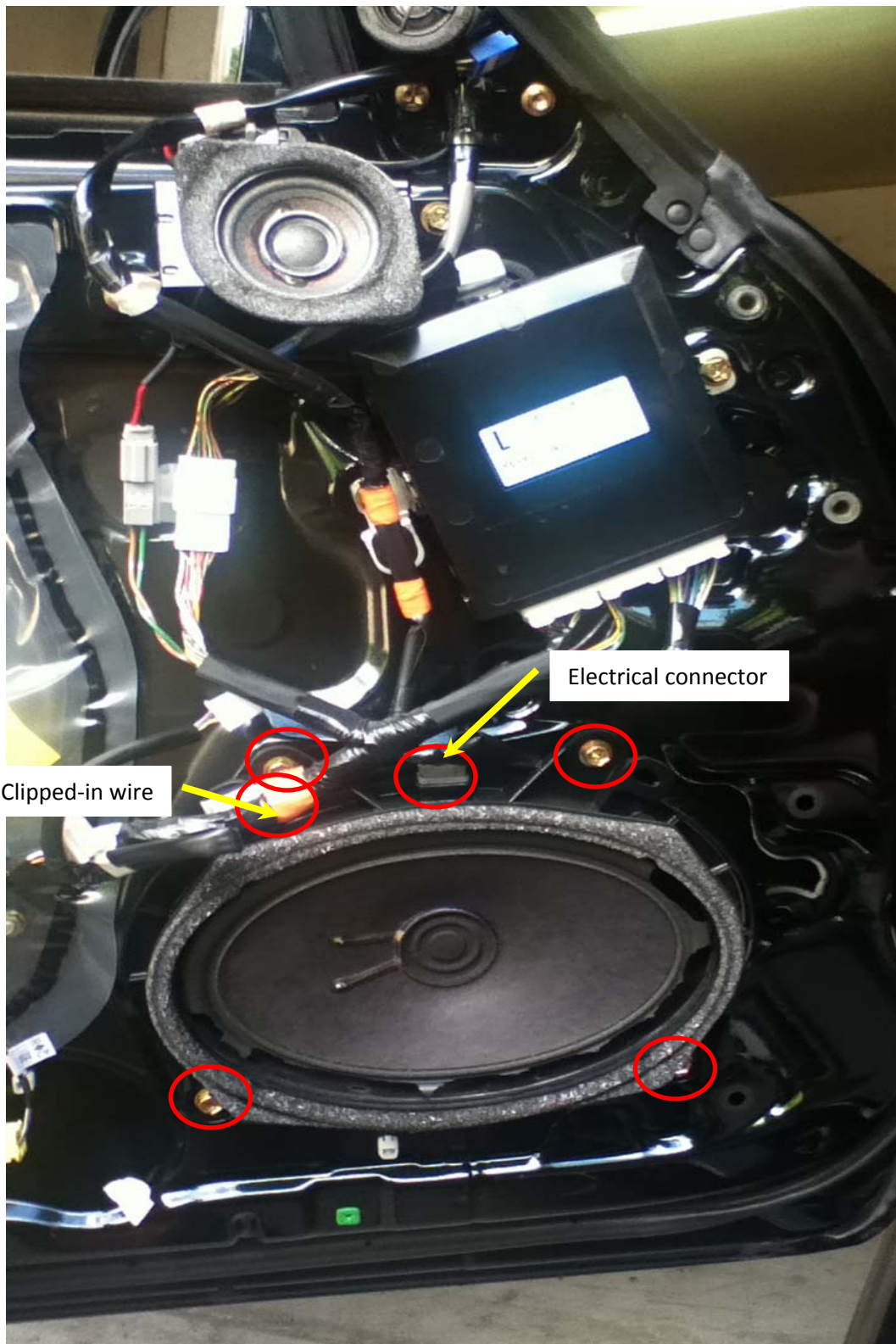
## SC430 Front Door Speaker Replacement

Take off the door using the great instructions that have been posted in this forum. (I've also attached a copy of that PDF to this post.)

When the door is all unscrewed and you've lifted it out, un-clip the wire shown here, and then simply turn the door vertically, set it on a towel, and use a bungee-chord to keep it from falling. The door in this position will give complete and easy access to all the speakers.



There are four screws, a clipped-in wire, and an electrical connector that need to be removed for the woofer.



As you can see, my woofer has had many, many better days, and is ready for the bin. This totally explains why my Marilyn Manson tunes just don't thump the way they should any more! 😊

Here is the speaker removed, front and back.



To take the speaker out of the plastic frame, find and remove the screws on the corners under the foam. Also, unsolder the electrical clip so you can re-use it with the replacement speaker.



I'm replacing the speakers with *Eminence Alpha 6As* I ordered online from *Parts Express*. (They were about \$90 for the pair, including shipping - [www.parts-express.com/pe/showdetl.cfm?Partnumber=290-400](http://www.parts-express.com/pe/showdetl.cfm?Partnumber=290-400).) Here is a *Before and After* shot... The difference in the size of the magnet alone was already getting me giddy! Ha!



Next, re-solder the electrical clip onto the new speaker. I put a piece of tape under the connectors while I did this so as not to drop any hot solder onto the paper speaker and make myself cry.



Next, I started to mount the speaker adapters that convert the old 6 X 9" to the new 6.5" round speakers. (\$10 for the pair, part #SAK045 - [car-speaker-adapters.com/items.php?id=SAK045](http://car-speaker-adapters.com/items.php?id=SAK045)).

Arg! I've hit my first real snag here! As you can see, this didn't quite work-out the way I hoped it would. The adapter hole is too small for the new speaker, and I can't make it flush...



So, 15 minutes of trimming with an X-acto knife, and it fit pretty good. An airtight seal isn't really necessary here, as this step is just to get the speaker mounted into the plastic speaker frames that fit into the door.



I used bolts, washers and nuts to make sure the frame was tightened down as much as possible to the new speaker. Next, before mounting the adapter onto the speaker frame, I smeared silicon paste all along the edge of the plastic frame. This will help keep it snug, and fairly airtight for a better sound. (TIP: If you have trouble finding silicon paste, the stuff you caulk the tile in your bathroom will work in a jiffy!) When putting the new speaker back into the original frame, I re-used the original sheet-metal screws (the pointy black ones).



Bolt, washer, and nut for a good tight fit



Silicon paste all the way around the plastic frame's edge

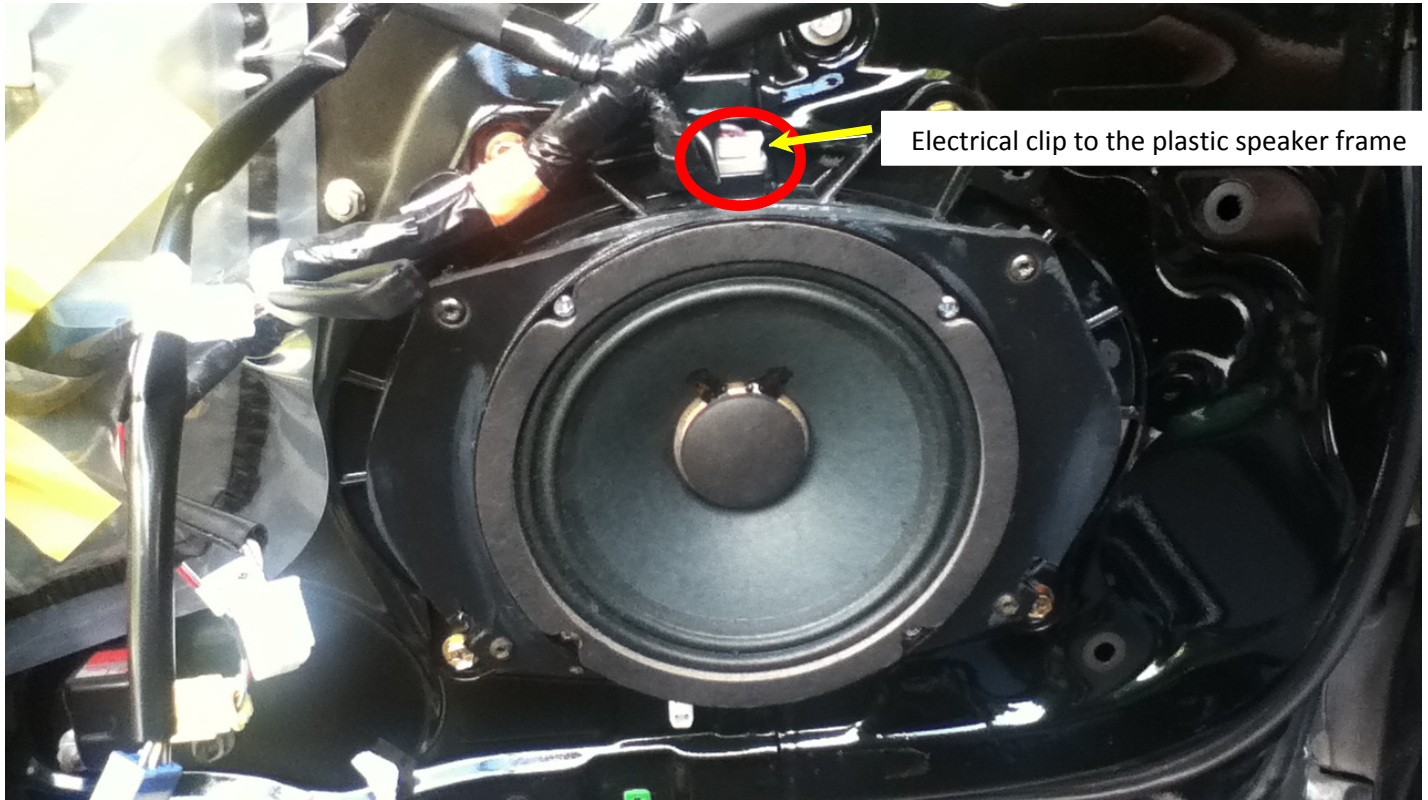
Don't forget to plug this back in!



Original black sheet-metal screws

Make sure the clip inside the frame is connected to the new speaker (don't forget that step!) and then re-mount the plastic frame to the door. (Four screws and one clipped-in wire.) Finally, pop in the electrical clip from the door to the plastic speaker frame.

At this point I re-connected the battery and gave it a sound test to make sure the speaker was all wired in correctly.



That's about it! The total time to do all this was about three hours. As with most things, doing it the second time around took about half the time... He *can* be taught! Ha ha!

The end result was really an incredible difference in sound! I recommend this speaker replacement to anyone who likes to smile along with their music while driving with the top down!

I hope this tutorial is beneficial to someone else. I am very grateful to all who have posted and given advice here over the years, and I'm happy for the chance to give a little back.

Much Mahalo,

Davey