

Continuing in Part 2....

The Infinity Kappa speakers include a few different assemble rings. The speaker magnets are massive compared to the stock MB units.



Using the metal assembly rings you have 7 things to accomplish next.

- 1). Roll the rear window door so that you are aware of the location of the bottom of window glass.
- 2). Insert the metal assembly ring in the speaker housing and press until you are seated against the inner lip. The fit is nearly a perfect snap fit. Using the speaker next install this against the assembly ring to find the best orientation so that the speaker seats completely and easily against the assembly ring.

This is important since the speaker has a 4 metal legs supporting the speaker cone to the magnet.

The opening in the inner door panel is tear drop shaped so the speaker needs to be oriented so that one of the 4 legs points into the top point of the tear drop.

- 3). After you have located the correct orientation for the speaker, remove the speaker but leave the assembly ring in place.
- 4). With a very small drill 1/8" or less drill 4 holes to screw the assembly ring into the speaker housing. The assembly ring has many places to choose from – find the areas with the most material to drill through.

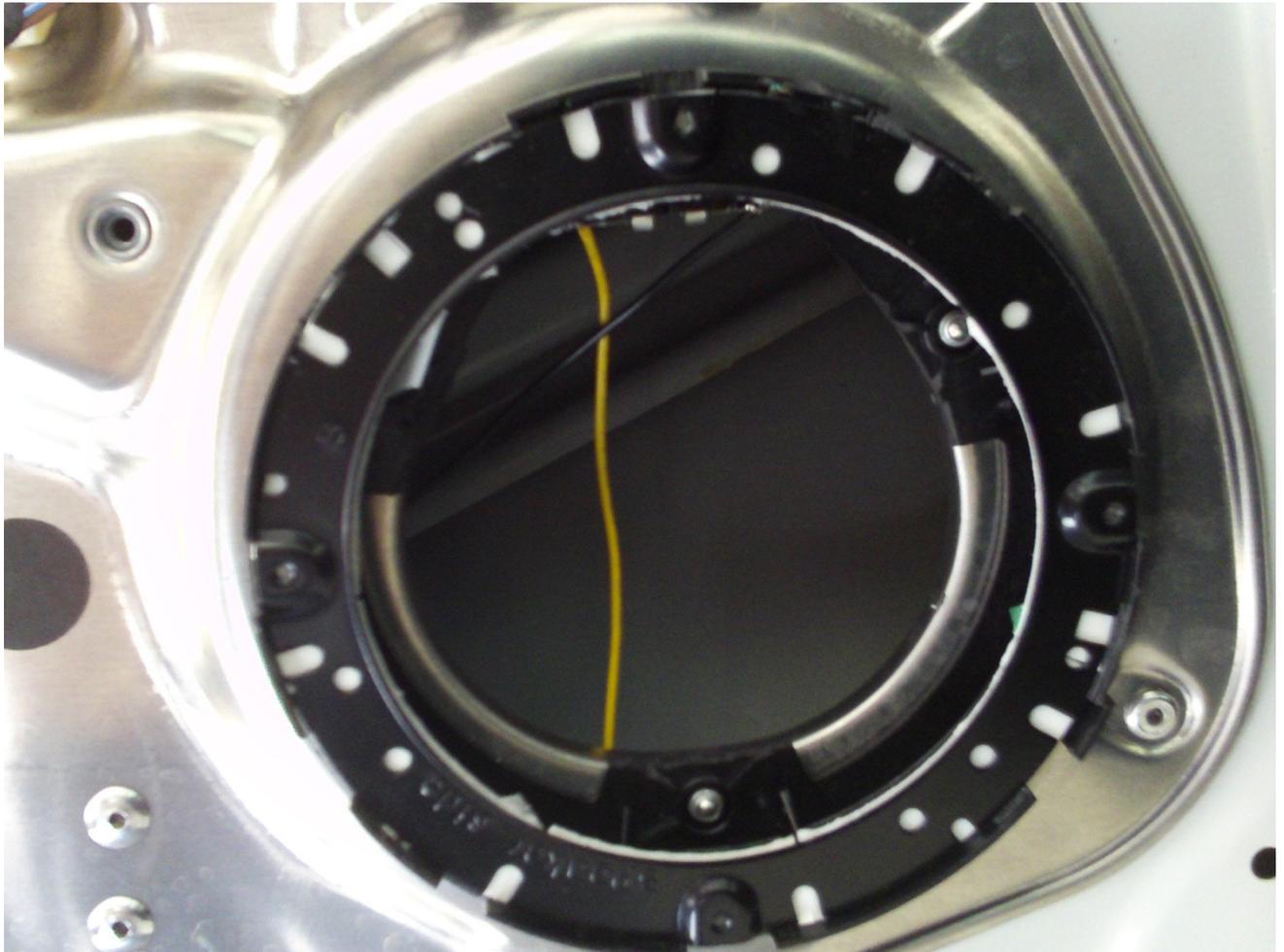
5). Remove the assembly ring. Turn over and cover the entire surface with 3M double back mounting tape. This is the tape that has adhesive on both sides and about 1/8" of foam in the middle. You can buy this at Home Depot or just about any CVS store in the picture / frame isle.

6). Trim the outer and inner diameters of excess tape. The tape is primarily to seal all holes in the assembly ring for a nearly airtight fit. It does aid in attaching the ring to the speaker housing as well.

This may seem weak but after snapping the ring back into the housing with the tape it takes considerable strength to remove it.

7). Remembering where you drilled 4 small holes install the coarse threaded screws to secure the ring to the housing.

Passing the screws through the tape also prevent them from vibrating loose.



Almost there...

Sorry for the wire color change this is the right side of the vehicle prior pictures are on the left.

This particular speaker has a cross over unit that is a bit bulky but very light. Using the 3M tape cover the bottom of the cross over unit. Now carefully take note of the speaker orientation and then notice the bottom of the window glass in the rolled down position.



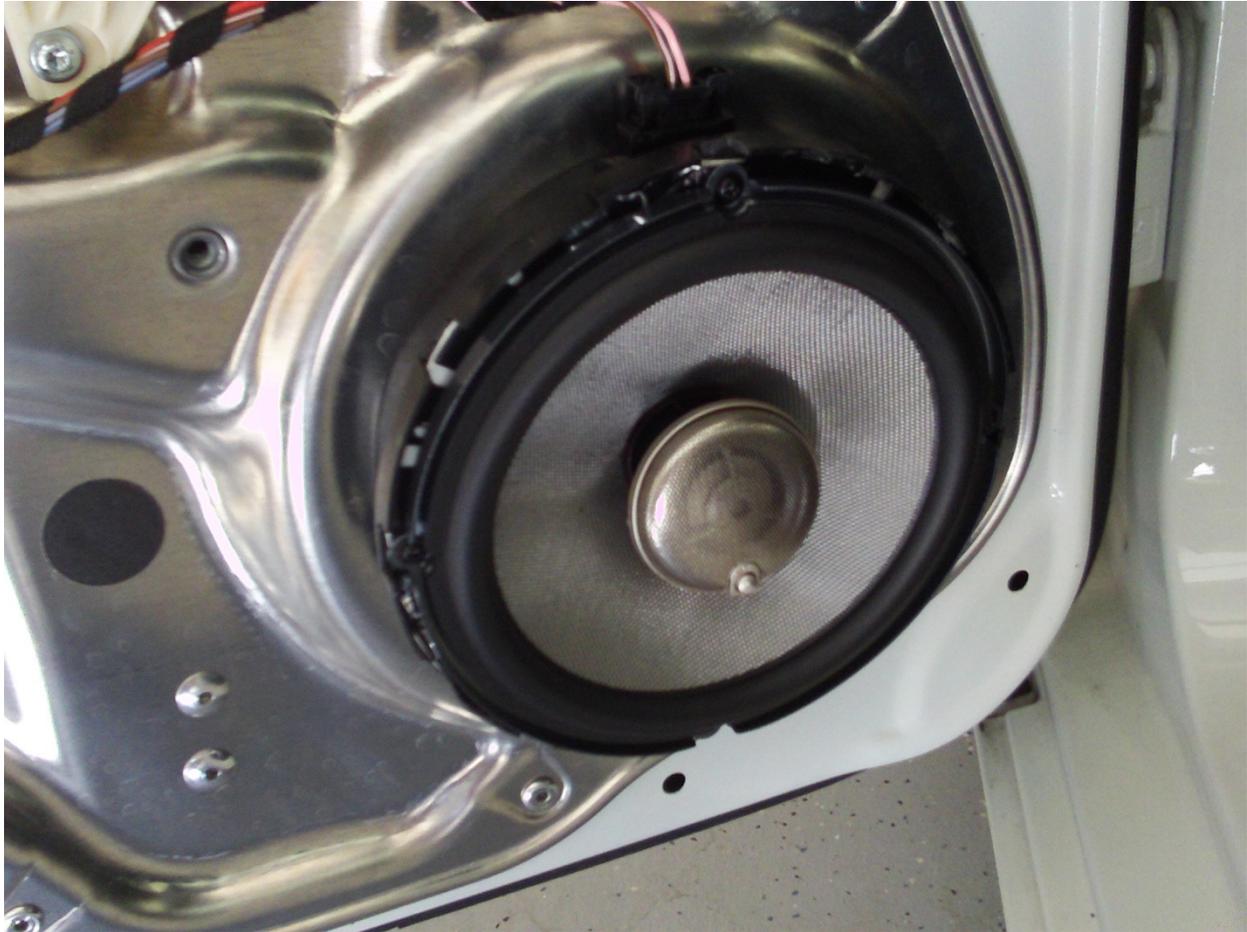
Attach the cross over unit to the bottom of the speaker magnet to clear the window glass after installation.



Install the speaker with the 4 fine machined screws into the assembly ring.

Note that the original wiring harness is untouched.

The tweeter on this unit rotates so that you can find the best position.



Install both speakers but not install the door panels just yet. Close both doors turn the stereo on and position yourself in the back seat so that you can touch both speaker cones at the same time with your index finger on each hand. Make sure that you feel both speaker cones move in the same direction at the same time. This is crude check for wiring polarity correctly. If one cone is moving in while the other is moving out one of the speakers is not wired correctly.

I assumed the striped wire on the harness was the positive connection and the solid wire the negative connection for all 4 speakers in the car.

Sitting in the back with the stereo on will give you a chance to position the tweeters to your liking. The button on the tweeter also allows you reduce the volume of the higher treble by simply pushing it in. Try both ways to determine your preference.

Final tuning...Engineering mode

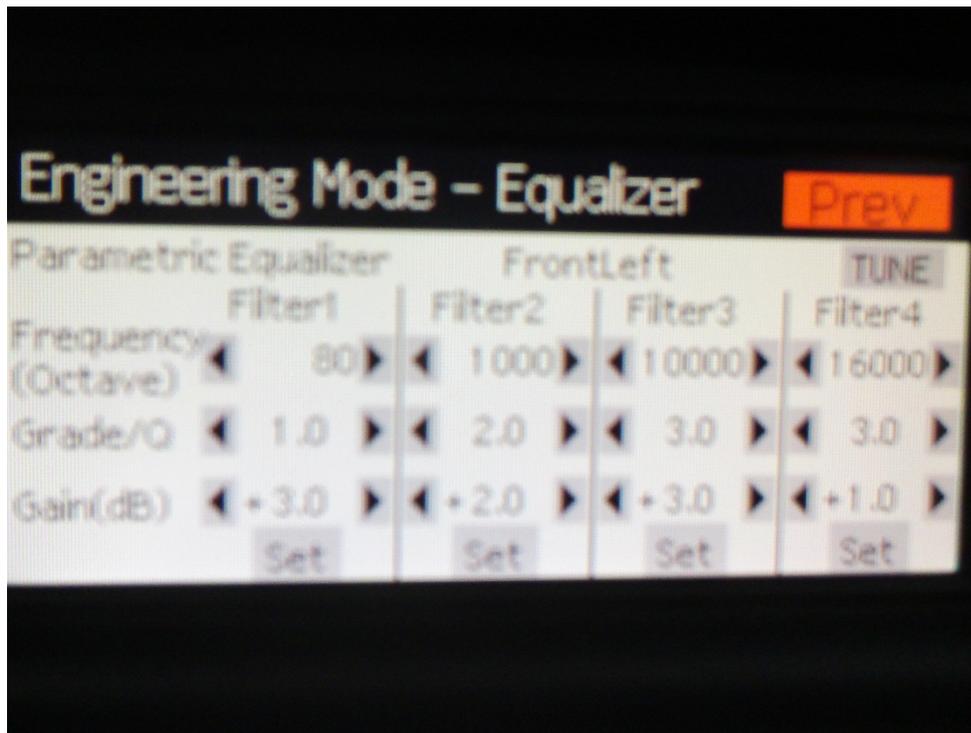
As noted I had also replaced the front speakers with the same units. The entire frequency response range of these speakers called for some changes to the stock equalizer settings to take advantage of both low end bass and high end treble.

To access **engineering** menu push and hold Hang up, 1 and \$ on the command unit.

Please write down your initial setting in case you want to go back to factory settings.

The following values are what I arrived at for all 4 speakers after much trial and error. Season to taste.

There is no need for a sub woofer. The bass on these units is very impressive even with the stock amplifier.



Overall this was a weekend project since I took my time and wanted to do it right. The results are worth every minute of the effort. I have had BOSE systems in Acura's and Logic 7 systems in BMWs and this now is equal to any of them (okay not quite the raw power but music quality is excellent).

Note I had originally installed these speakers in the front doors by drilling out and removing the stock speaker housings. The speakers will install flat against the inner door panel. Although the sound quality was better than stock I decided to redo the installation using the front speaker housings as shown here. No comparison... the use of the speaker housing makes all the difference. Bass response improved dramatically.