

Installation Instructions for BSW Stage 1 Speaker Upgrade For an e60 with Logic 7 2006 BMW 550i

I used the BSW installation instructions and viewed the You Tube video of installation of the Stage 1 Speaker upgrade for an e39 before beginning.

My speakers arrived beautifully packaged as shown below:







The tools I used for this project:

The BSW interior kit:



I also purchased a Metric Nut Driver set at Home Depot for \$15.95.



I used only two of the Metric Nut Drivers for the installation, the 10mm and the 7mm, along with a small Phillips screwdriver:

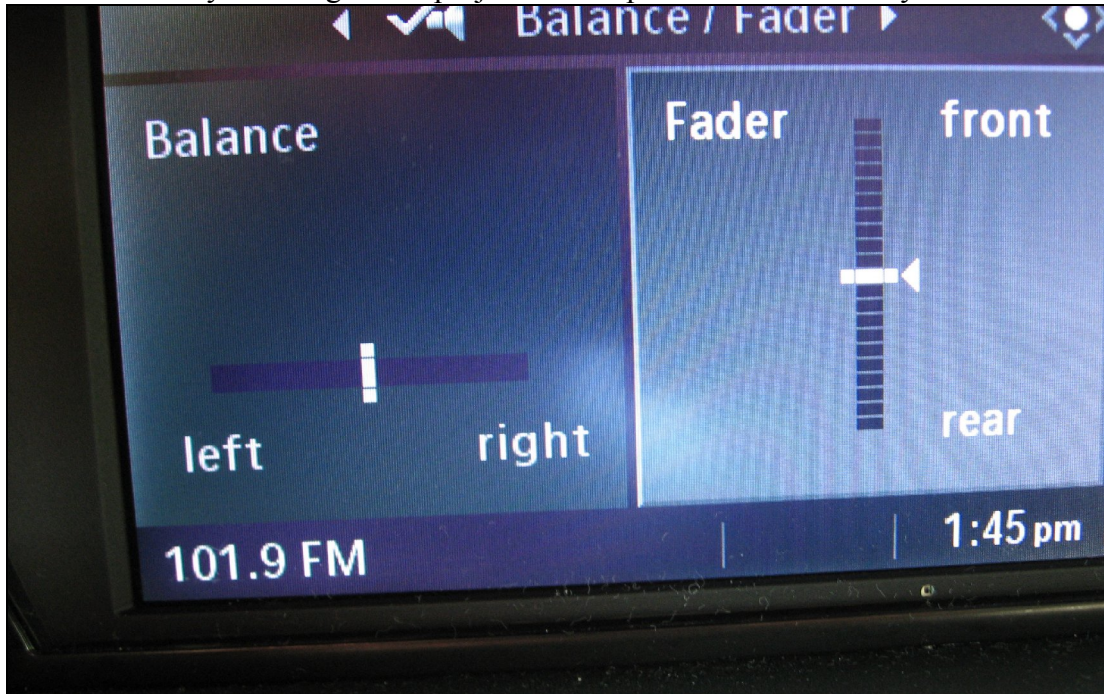


I removed most of the screws with my trusty handheld skill electric screwdriver:



The Testing:

I began, like BWS suggested by moving the Balance to center and the Fader to center. You can actually see I began this project at 1:45 pm EST on a Saturday afternoon.



Next I began my very subjective testing by listening to four songs that I believe provide good highs, mid-range, and bass. Here was my first song.



Next up was Beyonce's Beautiful Liar. Then followed by:



Next up was Justin Timberlake:



The Installation:

Unlike BSW's instructions, I began with what I perceived as the easiest speakers to install. I thought it best if I started easy, and left the hardest for last. Therefore, I installed the speakers in the following order:

- Rear Deck Speakers & Tweeters
- Center Channel Speaker
- Rear Door Speakers
- Front Door Speakers

Rear Deck Speakers

Since BSW said "It doesn't get much easier than this. Lift each rear headrest all the way up and identify the rear speakers.: This is where I started. They were right, and I thought to myself, wow this is going to be a breeze. It took me 20 minutes to complete this installation.



I used BSW's plastic panel removal tool. I was very careful to pry upward on the front edge and did not pry on the rear edge at all. The grill removed very easily.



Here's a photo of my OEM rear deck speaker & tweeter.



Here's a photo of the OEM speaker & tweeter about to be removed.



Here is a photo of the new BSW speaker connected to the OEM wire connectors. Very easy.



Here's a photo of the BSW speaker & tweeter installed. This was very easy to remove the connectors from the OEM equipment and simply plug into the new speakers. Wow, I was so excited because this was so easy.



Now on to the Center Channel. I used the BSW plastic removal tool to remove the cover. Slightly more difficult than the rear deck covers, but not much.



Here's a photo of the center channel speaker cover removed. See the BSW plastic removal tool I used to remove the cover to the left.



Here was one of my first obstacles. I had a difficult time removing the speaker screws until I pulled out my short handle Phillips screwdriver.



Here's a photo of the **new** BSW center channel speaker installed.



Now I move on to the rear doors. Here's where BSW's instructions are missing important instructions. Because of this I strongly recommend you watch their You Tube video on installing the e39 Stage 1 kit. As shown below, here's all BSW's instructions state about rear door speaker installation:

Rear Door Speakers

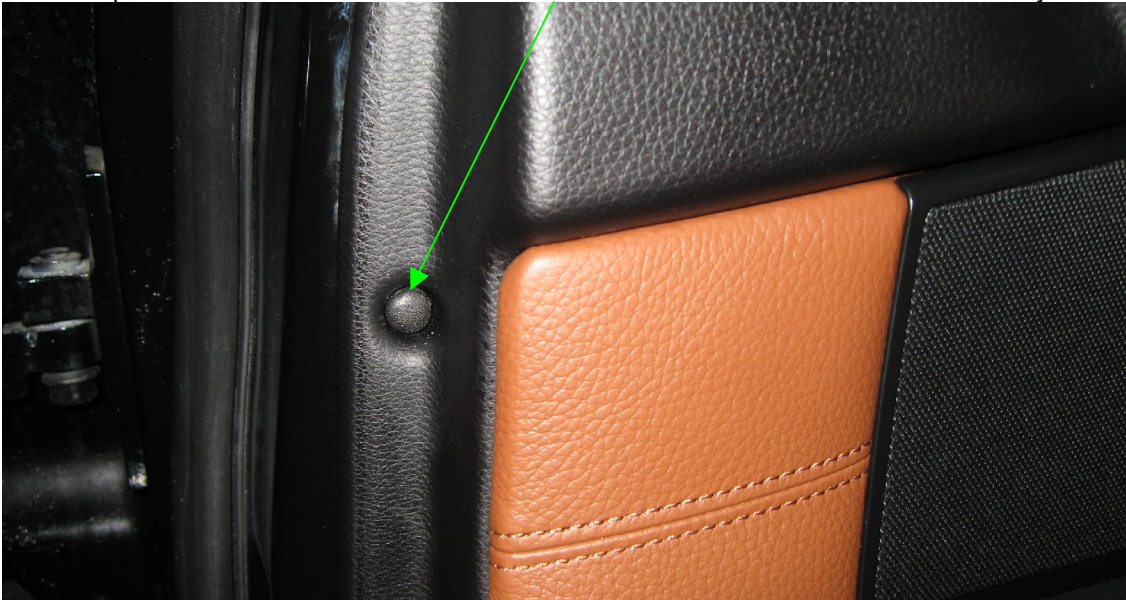
The rear doors come off in a manner almost identical to the passenger front door, except **there are no airbags located in the rear doors.**

There are no tweeters being installed in the rear doors, only midrange drivers.

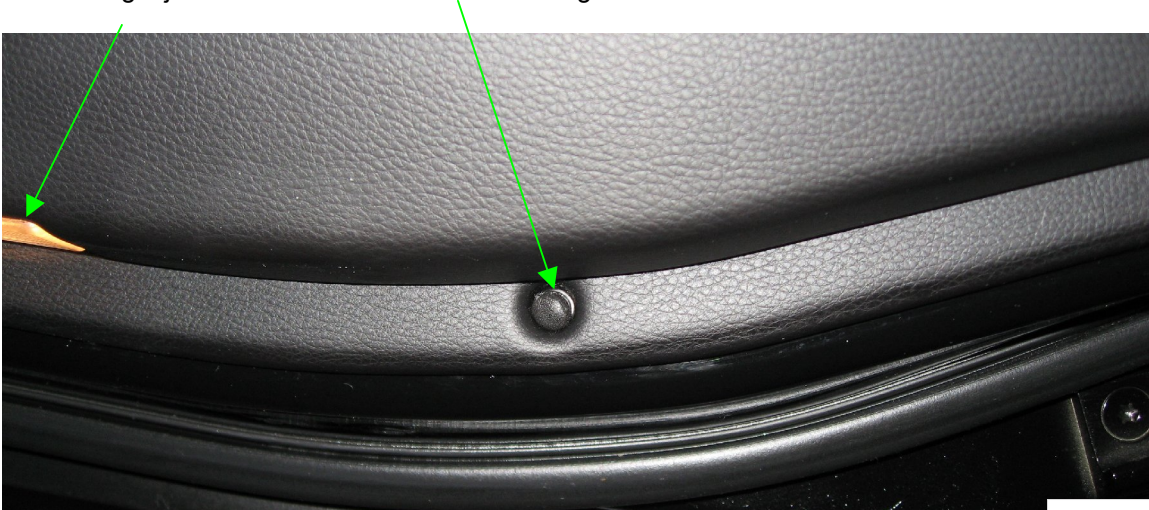
Here's what they forgot to mention:

1. Is that the rear doors have two screws, one on the inside of the door jam, and another screw on the bottom of the door.
2. That the light on the bottom of the door panel should be removed.
3. That you should start removing the door panel starting at the bottom of the door panel, not the top, as you do with the front door panels. This is mentioned in their You Tube e39 video, but not in the instructions.

Here are pictures of the two screws to be removed. This one is of the inside of the door jam.



This photo is of the screw that is located at the bottom of the door panel. Note the light just to the left of the screw on the right rear door.



I really struggled with the first panel because I kept trying to pry it off from the top. It may have also been more difficult because I have rear door shades. Also, the video shows how to pull hard on the clips to remove. I was very nervous about it, but ended up pulling really hard and it did come off. Because of this, I highly recommend watching their video before starting your project.

My first door also encountered a casualty. A friend was holding the door panel, as I was trying to remove the speaker without disconnecting the entire door panel. The panel was twisted, and the plastic bracket that holds the electric door switch snapped. It didn't render it broken, so all appears to be well.

Here's a photo of the light removed. Again, the BSW You Tube video shows how to remove the light fixture. I used the metal hook from the BSW Tool Kit by placing it under the edge of the light and tilted down, until it popped out, which it did very easily. Then I simply unplugged the light and sat it aside.



After trying to install the speaker without disconnecting everything on the rear right door, when I moved to the left rear door, I decided to remove all connections and take the panel to a workbench. It was so much easier to install the new speaker that way.

I would recommend removing the entire door panel for the rear doors, but not the front door panels. Here's a photo of the left rear door with the door panel removed.



Here's a photo of the inside of the left rear door panel. The aluminum bracket that appears to be the support of the door handle is your nemesis. You have to remove that to remove the Logic 7 speaker and replace with the BSW speaker. I tried very hard not to have to remove it, but in the end I gave up.



Another photo of the beloved bracket.



Now on to the dreaded front doors. I have to admit I was afraid of the air bags, but BSW spent a lot of time on their front door panel instructions, and along with the now experience I had gained, this was not too difficult. I opted for another forum member's suggestion, and did not remove all the connections, just those that had to be to complete the speaker swap. Here is a photo of my right passenger door with the panel removed.



I was on the home stretch, when I stumbled because I was not sure what to do about the Sound Deadening kit I had purchased. BSW's instructions state:

"With the speaker removed, we can now apply the optional sound deadening material to the door panel itself. Please note that there is no right or wrong way to apply the material. Just make sure you heat the sound deadening up sufficiently enough to activate the glue on the sticky side of the material."

The installation video on our website will better illustrate exactly how we recommend applying the sound deadening material as well as the reattachment process of the door panels.

So, I watch their You Tube videos on the e39 installation of the Stage 1 kit, and there aren't any instructions about how to apply the sound deadening material. So, I hunt for other videos of BSW's and find one on installing the sound deadening material in an e46. They state to put the sound deadening material directly on the metal inside doors. Hmm, the video says to put it on the doors, and the installation directions say to put it on the door panel.

I ask fellow forum members their opinion, but no response on a Saturday afternoon, so I forge ahead. Because my door has a foam cover, I decide to put the sound deadening material all over my inside door panel, and I mean ALL over it. BSW's pictures in their instructions show strips here and there, but I covered almost the entire front door panels. Right or wrong, who knows?

Door panel **before** sound-deadening material was applied.



Door panel **after** sound deadening material was applied.



After installation I listened to the same four songs. I could notice clearer high end and mid range. I was also able to turn up the volume without distortion