

Center Channel (BMW Speakers) Installation Instructions for BMW 5 Series, E60/61 with Logic 7 Audio Systems

Tools Required:

- Metric Socket Set
- Plastic Panel Removal Tool
- Philips Head Screwdriver
- Brain

Before you Begin

- **Please review and familiarize yourself completely with these instructions before starting work on your vehicle!**
- **Insure that your bass and treble settings are set to their default middle positions before installing your new speaker upgrade.** Once you've installed your Stage 1, you can reset the bass and treble settings to your particular liking. Keep in mind that we generally recommend keeping them both very close to center as large adjustments introduce distortion into the audio signal and will decrease the performance of your system. With your new center channel speaker installed, you will notice a dramatic improvement in overall tonal quality, with much of the harshness that existed previously no longer artificially coloring the music.

The Process

Keep in mind that it is important to remember that panel re-installation is essentially the reverse of the removal process outlined below. Variations occasionally occur, so if anything seems out of line with what is contained in the pages that follow, please don't hesitate to contact us.

If you experience any issues with your installation, please consult the troubleshooting guide located at the rear of this installation packet.

For any needed clarification, we cannot stress enough how important it is to view our complete video installation guide located directly on our website.

www.bavsound.com

Center Channel Speaker

This process is very straightforward. We're simply going to carefully pry the plastic panel surrounding the center channel speaker out using our BSW plastic panel removal tool, exposing the factory speaker.

Again, the installation videos will highlight the exact removal process.

Please see photos on the following page.



The speaker is held in either by (3) 8mm bolts, or in some cases, Philips head screws. Remove these and place them aside, as we will be reusing them to attach the new speaker.

Remove the factory speaker, and plug in the BSW center channel driver back into the factory connector.

Center Channel Photos



Stage 1 Speaker Upgrade Troubleshooting Guide:

If you're experiencing an issue with your new speakers, please carefully read through this guide, as it covers almost any issue that you are likely to encounter.

If the issue cannot be resolved, please call us at (404) 963.8857 for further support.

Here are the most common issues we've experienced:

- **No sound from speaker (s)**
- **Distorted sound from speaker (s)**
- **Physically defective speaker (broken or damaged during shipping, no sound)**
- **Missing product**

Let's address each bullet point:

- **No Sound from Speaker:**

One of three things is most likely happening, and they are listed in order of most common occurrence:

1. Wiring on plug-n-play connector is misaligned.
Here we want to check for alignment of wires from their factory plug through the BSW connector.
Do they line up? If so, was the factory speaker working prior to replacing the speaker? Go ahead and plug the factory speaker back in to confirm operation. If the factory speaker works, and the wires in the plug are aligned, the speaker is defective. We need to get you a new speaker!
If not, let us guide you to the proper connections. Remember, on our wires, the Red Stripe is positive, while the solid black is negative, while on the BMW side of the plug that following holds true:
 - Black Stripes, Red Stripes, White Stripes, Purple Stripes are Positive.
 - Solid wires are negative, as are wires with Brown Stripes or Grey Stripes.
2. Check to make sure that no speaker terminal is touching metal. This can cause the speaker to not function, as it is effectively grounded (shorted) out.
If you find that this was the case, place electrical tape over the terminals to prevent future mishaps. If the entire system has no sound after the installation of new speakers, we almost know for sure that there is a speaker whose terminals are grounded out. Let's check by disconnecting each speaker until the music comes back on and we've isolated the problem speaker.
3. The Factory Speaker did not work either. If this was the case, and you were trying to fix the problem by purchasing new speakers, we may need to look at the factory amplifier, as it is most likely the culprit. Is the entire side (left front, right rear, right front, left rear) not working, or is it a particular speaker that was not working. Most likely it was a single speaker. If an entire side is not working, make sure, especially on the tweeters that you just installed, that neither the positive or negative terminals are touching metal. This can contribute to an entire side (channel) not working properly.

- **Distorted Sound coming from new Speaker**

Again, a few things come to mind:

1. Where are the bass/treble settings on the radio/EQ? Flatten out the settings to ensure no pre-amp distortion is the cause of the problem. If you're using the radio to test the speakers, go ahead and use a CD or directly connected iPod instead.
2. Speaker terminals may be touching ground (metal). Where is the distortion coming from? A single speaker, an entire side (channel), or the entire system? Its best at this



BAVARIAN SOUNDWERKS

point to go back and disconnect each speaker until the distortion goes away. The most likely culprits are the front tweeters.

3. The factory speaker was distorted as well. If a single speaker was distorting, the most likely culprit is the amplifier. We may need to explore replacing/repairing your factory amplifier.

- **A speaker is physically defective, as in defective from shipping or directly from the manufacturer.**

There is only one solution here:

1. We will be happy to get a replacement speaker out to you. We'll need to bill you for the replacement speaker, and once the defective speaker arrives back to us, we will gladly issue a refund. Once you get the new speaker, please keep us posted on the results, as want to make sure that everything is sounding as it should.

- **Missing Product(s)**

If you feel that a product or accessory is missing, let's check a few things before we send out replacements. It'll save everyone a lot of time!

1. Please check to make sure that nothing has gone unnoticed in the packaging. If you're calling from your office and don't have access to the package, please bring the package to the office the next day so that we can go over with you exactly what was supposed to be in the packages that we shipped out to you. Sometimes our shipping department uses filler boxes in packages to ensure that your products aren't damaged in shipping, and often times those boxes are mistaken for missing products.
2. If indeed a product is missing, firstly please accept our apologies. We try our best to ensure that all orders are filled as they should be, but we're only human! ☺ Please notify us immediately of the missing product, and we will the appropriate pieces out to you that same business day, provided FedEx hasn't already come for the day. We want you to get your new equipment installed as quickly as possible, so we'll make sure you have it in an expedited fashion once we've been made aware of the problem.