

Stage 1 Audio Upgrade (BMW Speakers) Installation Instructions for BMW Z3, M Roadster Coupe '98-'02

Tools Required:

(All the below are readily available at your local auto parts store)

- Phillips Head Screwdriver
- Panel Removal Tool
- Torx T20 screwdriver
- Torx T30 screwdriver
- Small, Straight Pick Tool
- Small, Flat Head Screwdriver
- 8mm Socket Wrench
- Hot Glue Gun w/Glue Sticks

Notes before you begin:

- Reset your bass and treble settings to flat before you begin. Your new speakers will respond differently than factory, so we want a “clean slate” to start from.

-Keep in mind that on your new speakers that the positive terminal is on the right hand side as you look down onto the speaker with the magnet facing upward.

If your speakers do have the screw down terminals, we will need to cut off the factory spade terminals and strip back ¼” of the wiring insulation so that the exposed copper wiring can slide down into the screw down terminals to ensure a snug connection.



We're going to proceed as follows:

1. **Front Door Speakers**
2. **Front Kick Panel Speakers**
3. **Rear Speakers**

Front Door Speakers

Start by orienting yourself with the door panel. We recommend starting on the passenger side, as it's always better to goof up on the door less often used.



Notice the airbag plug located toward the rear of the door panel (not present on all vehicles). Remove this using either a small, flat head screwdriver, or a specific panel removal tool. This will reveal a Torx T20 bolt. Remove this.

Now, locate the plastic trim that surrounds the door handle. Slide this toward the front of the vehicle. This can be a bit tricky, but solid pressure will pop it right off. We've found that heating the ring with a heat gun or hair dryer sometimes helps. Be careful if you opt to do this... Don't keep the gun pointed in one direction too long. You can burn the leather.

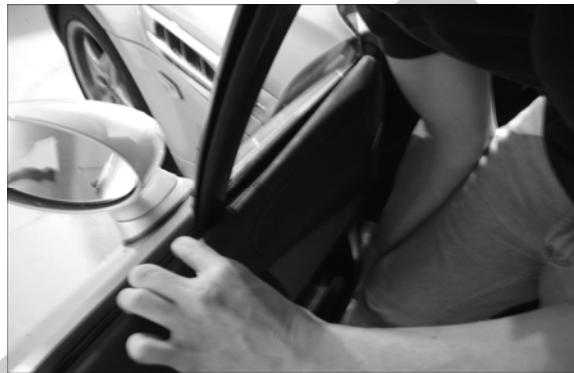


Next, you'll want to carefully pry out the side mirror control switch (blank panel on passenger side). Use a small flat head screwdriver here as well. You'll want to pry around the outside edge, starting on the inside edge closest to the handle. Unplug the control switch. This will reveal a second Torx T20 bolt. Remove this.

You'll now want to start prying around the outside edges of the door panel using a specific panel removal tool. We recommend starting on the underside of the panel towards the front of the car.



Once these are free, you'll lift upward on the door panel, freeing it from the door. To do this, start with your hands toward the front of the panel, as seen in the photo.



Unplug the two speakers, and you're ready to begin mounting the tweeter.

The factory tweeter is the smaller of the two speakers in the door panel.

Start by prying out the factory tweeter using a straight pick. In some models, the tweeter is attached to the door panel via two Torx T10 screws. Simply unbolt the factory tweeter if that is the case. Attach the new tweeter to the same location using your hot glue gun.

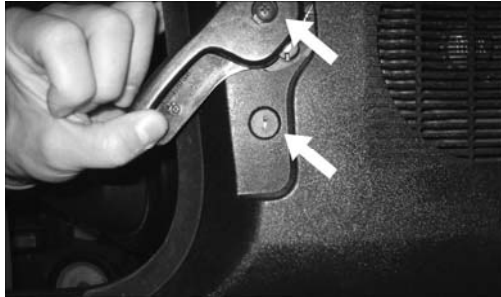


Wiring:

Your Stage 1 is plug-and-play, so you'll just plug your new tweeters directly into the factory plug!

Front Kick Panel Speakers:

Let's begin on the driver's side. You'll remove the hood latch on the driver side by removing the Philips head screw attaching it to the pivot point. Then, using a flat head screwdriver, remove the plastic anchor by turning it 90 degrees in either direction.



You'll notice a separate black panel above the pedals that is attached using 3 of these very same plastic anchors. Remove these three, and the panel will free itself. Now, carefully proceed to remove the kick panel. Pry out the rear edge that attaches itself underneath the door sill. Once you've done this, you can work out the entire kick panel with relative ease. Be careful. This plastic is notoriously brittle. Start by carefully freeing up the front edge of the kick panel.



The inside of the dead pedal is attached with a small hook into the carpet, and this is where most people get themselves tied up. Remember this piece, and you'll be done in no time. Here's the factory speaker, which is attached using (4) 8mm bolts. Remove these.



You'll now need to attach your new speakers. Carefully strip back the insulation on the factory wires and insert the wires into the new speakers:



The wiring will be as follows:

| Driver Side Wire Colors | Connects to | New Speaker Terminals |
|-------------------------|-------------|-----------------------|
| Blue w/White Stripe (+) | | (+) |
| Blue w/Brown Stripe (-) | | (-) |

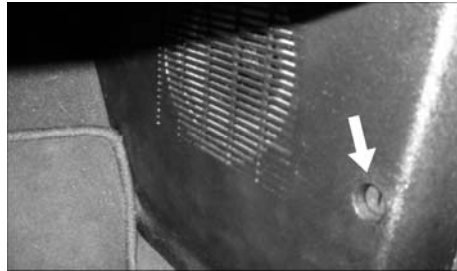
| Passenger Side Wire Colors | Connects to | New Speaker Terminals |
|----------------------------|-------------|-----------------------|
| Blue w/Red Stripe (+) | | (+) |
| Blue w/Brown Stripe (-) | | (-) |

Here's what the new speaker should like when installed:



Passenger Side:

Use the same precautions when removing the passenger side kick panel as you did with the driver side. Turn the exposed plastic tab 90 degrees again using your flat head screwdriver. Again, there's a black panel above the foot well that will need to be removed. It's attached with Phillips head screws. Remove these and the kick panel can easily be removed. See above for wiring info.



Rear Speakers:

Simply pry off the surrounds of the speaker using your fingers. If your fingers aren't sufficient, CAREFULLY use a small flat head screwdriver. The plastic is again very brittle.



The speakers are attached using (4) Philips head screws. We've also seen these to be 8mm bolts.



Plug the new speaker into its harness and reinstall using the factory bolts.

You're finished! Enjoy your new speakers.