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## Stage 1 Audio Upgrade Supplemental Instructions for '01-'03 BMW M5 (E39) with M Audio

### Front Speakers:

You will leave the factory midrange in its housing and will reuse it. Do not remove the midrange.

1. Remove the Midbass/Midrange Assembly by first removing the foam from around the speakers.
2. Unscrew the assembly and remove it as one piece. Clip the small wires going from the midbass driver up through the speaker and into the midrange bridge. Pull these through the midbass driver. We will be using these again.
3. Note the two sets of wires remaining in the enclosure. We will be feeding the wires that went into the midrange bridge back through the enclosure via a small hole that will need to be drilled in the top of enclosure.

The wires that we will be using for this procedure are twisted together inside of the enclosure. Pull the wires up through the enclosure and make the following connections on the outside of the enclosure.

- Blue/Yellow Stripe is Positive (+) → Black/white stripe wire on midrange bridge.
- Blue/Green Stripe is Negative (-) → Black wire on midrange bridge.



When installing the midbass driver, use the following wire colors to connect to the speaker:

- Red/Green Stripe is Positive (+)
- Brown/Red Stripe is Negative (-)

When installing the midbass driver, you'll first make sure that you've sealed the enclosure with the supplied gasket tape. Set the woofer down into the enclosure, and screw down two of the four mounting points on opposing sides from one another.

Next, you'll want to place the included spacers on opposing sides stacked three (3) high. This will allow clearance for the bridge to sit safely above the midbass driver. The height of the spacers may be less if you're using Rainbow Audio drivers.

Here is the finished front Midbass driver installed with the midrange bridge.



### Front Tweeters:

Instructions are located in primary install manual.

There is also a slight variation with the tweeter wire colors from the standard M5 systems...

Use the following wire colors for the tweeter connections:

- Yellow/Red Stripe is Positive (+)
- Solid Yellow is Negative (-)

### Rear Speakers

Wire colors for the rear speakers are the same as they are for the front, less the tweeters of course...

- Keep in mind you **do NOT** have to remove the rear doors. There are no speakers in there. ☺
- We will remove the wires from the midrange bridge in the same manner outlined above.





Rear Midbass Preparation

When mounting the rear midbass drivers, leave the screw hole closest to the plug on the enclosure empty. We will attach the tweeter here once the rear deck is installed.

-You will also have to drill a small hole in the rear enclosure to run the wires up to the new tweeter. This will be done similarly to the front. Note where the hole is being drilled below:



When reattaching the tweeter, it is best to do so once the rear deck is already installed. Once the wires are out through the hole in the enclosure, leave them accessible so the tweeter can be attached once the deck is installed. Crimp the wires together using the butt connectors, and your connection is made.



Here's the finished installation... Snap the grilles back on and you're ready to roll.

