

# Installation Instructions – AMI Retrofit

**Audi R8 (42)**



## **Overview**

No part of this installation can NOT be undone, which means that no wires are cut and no components are destroyed. Everything can be put back to stock if necessary. On the downside, you will lose both your CD-Changer and your AUX jack (if you have one) in the center console. A small price for most!

The 2010 RNS-E navigation unit (and RVC) is required for the installation, so they will need to be purchased and installed before the AMI retrofit can be fully functional.

## **Parts Required for Installation**

- AMI Interface Unit
- AMI Trim Bezel
- AMI Mounting Bracket
- AMI Retrofit Harness

## **Tools Required for Installation**

- T-30 Torx driver
- Phillips screwdriver
- 9mm socket or combination wrench
- 10mm socket or combination wrench
- Misc tools as needed for center console

## Installation

1. Disconnect battery before starting. This can be done by sliding the thin access panel in the boot to the right and setting it aside to expose the battery.
2. Slide driver and passenger seats all the way forward and then folding them to access the rear storage shelf.
3. Using the 9mm, remove the two bolts near the center of the rear shelf. Do NOT remove the outer bolts, as they do not secure the shelf and will usually break when tampered with.
4. Remove the rear cargo shelf and set it aside.
  - 4.1. Make sure the rubber feet come out with the shelf. If not, remove them and reattach to shelf. A trim tool is helpful for this, as they can be persistently attached to the vehicle floor.
  - 4.2. If the bezel around the CD-changer is catching on the unit during removal, pull it forward gently and separate it from the shelf. If it comes off cleanly with the shelf, remove it and set aside.
5. Disconnect the harness from the CD-Changer. This can be done by pinching the release tabs on either side and wiggling it loose. The harness is not required and can lay behind the changer once unplugged.
6. Depress the tab on either side of the CD-changer and slide it forward out of the mounting bracket. Set this aside with the bezel.
7. Remove the CD-changer bracket from the vehicle by removing the three Torx T-30 screws holding it to the rear shelf. Some vehicles will have tape covering these screws, which should be preserved to install onto the new AMI bracket.
8. Install the new AMI bracket in the same location. If you were able to save the tape from the CD-changer bracket, apply it to the new bracket over the screws.
9. Slide the AMI interface unit into the bracket until you hear the retaining tabs “click” securely.
10. Using the two Phillips screws, install the AMI bezel into position on the storage shelf with the thin chrome bar across the top.
  - 10.1. If the vehicle is a 2010, this will install w/o any effort
  - 10.2. If the vehicle is 2009 or earlier, some material will need to be removed from the aluminum bezel on the back of the storage shelf to allow the bezel to clear. We use a Dremel™, but your mileage may vary.

## Wiring

1. Plug the supplied harness into the AMI unit and route the end of the harness toward the right side of the vehicle.
2. The satellite module will have two wiring connectors coming out the back. The one closest to the AMI unit will have the CAN-Hi and CAN-Lo wires integrated into it. They are a twisted pair, with orange/brown and orange/purple wires. Match the twisted pair from the new harness and splice them in so the colors match.
3. Locate the grounding bolt on the lower firewall. It should be located below the satellite module and have two sizeable brown wires leading to it with a cap nut covering them.
4. Using the 10mm, remove the cap nut, install the supplied ground loop onto the bolt and replace the cap nut.
5. The next wire will be the 12v+, which needs to go into the fuse holder near the right-side of the vehicle. You will see two rows of fuses and we are going to use location #4 in the forward row.
6. The entire retaining bracket will need to come out to open the fuse holder and insert the wire into it. This requires the T-30 again and there should be two screws that need to come out.
7. Once the holder is out, confirm that there is power to an open slot (#4 is recommended) and install the wire.
8. Re-install the fuse holder and install a 5A fuse into the new location.
9. The final three wires (yellow/green/grey) will go to one of two locations, depending on the harness type and whether the customer has an Aux Jack installed in the vehicle:
  - 9.1 If the vehicle DOES have an Aux input, disassemble the rear of the center console enough to reach the AUX jack. Disconnect the connector from the back of the jack and connect it to the mating connector on the AMI harness.
  - 9.2 If the vehicle DOES NOT have an Aux input, disassemble the center console to run the three wires to the back of the head unit. Disconnect the grey 32-pin amplifier harness and connect the wires as follows:

|        |        |
|--------|--------|
| Green  | Pin 4  |
| Grey   | Pin 21 |
| Yellow | Pin 22 |
10. Reinstall the console components, replace the rear cargo shelf and reconnect the battery.

### Coding

There are three different modules in the vehicle that will need to be changed in order to complete this installation. Using VCDS/VAG-Com, VAS or something similar, you will need to modify the following areas w/new values in **red**.

- 1.1. The CAN Gateway (Module 19) will need to display as follows: AFA81F**07**504712004100
- 1.2. The Radio (Module 56) will be changed as follows: 07**30645** or 07**30645**
  - 1.2.1. Adaption channel 4 needs to be set to "2".
- 1.3. The AMI (Module 2E) should be coded as follows: 020**302**

### Summary

Once all of these steps have been completed, you will need to cycle power on the vehicle to ensure all modules are ready to go. After that, enjoy the music!