

BMW e46 Coupe Rear Deck Harness Mount Installation Instructions

1. Remove rear deck:
 - A. Remove back seat head rests by pulling straight up. This sometimes requires significant force. If headrest posts stay behind, remove them from rear deck.
 - B. Remove and unplug C pillar map lights. To do this, insert a flat head screw driver or trim tool on both ends of the light (releasing spring clips behind). Remove torx screws screw behind map light
 - C. Pull the top of the C pillar trim straight away from the C pillar. Once top clips have been released, the bottom can be removed from rear deck slot.
 - D. If your car has HK, unplug and remove the in trunk sub woofers. To do so, remove 4 x 8mm head bolts and then pry sub enclosure off the roof of the trunk to release plastic clips. Be ready to catch it.
 - E. In the center of the trunk roof (between the two ~6" holes) there is an 8mm head bolt that secures the rear deck—remove it.
 - F. With the seats are folded down you will see a black plastic cover over the edge of the deck (locking mechanism for seats sticks through). There are four plastic rivets on top of this that have to be removed. Lay down in the trunk with your head directly under the bottom of the cover. You need to push up the middle of the rivets with a small Phillips screwdriver to get them out. Once the small posts are pushed up go back to the top and they should come right out - use a small pair of pliers if needed. Once all 4 have been removed, gently bow the trim piece to remove it.
 - G. Remove the rear speakers. First remove the grill, prying up carefully with a fingernail or plastic trim tool, then work your way around the outside. Remove foam gasket, remove three 8mm head bolts that secure the speakers, unplug and remove speakers.
 - H. Remove all three child seat anchors. Pop off plastic cover with a flat head, remove 13mm head bolt below.
 - I. Remove plastic covers at the top of the back seat side bolsters. At the top of the plastic covers is a fastener—press in the center post on the fastener to unlatch it, and then lift the entire fastener up from the larger outer bit. Next, pull the trim piece that surround the rear window motor post away from the trim.
 - J. Remove trim around seat belt pass through holes.
 - K. (Finally) remove rear deck. Lift the front of the deck and slide the entire part towards the front of the car. Slide seat belts out.
2. Install outer harness mounts. The outer harness mounts installed between the factory shoulder harness retractor and the chassis. The stock hardware is reused. When done, the harness mount point should sit on top of factory shoulder harness retractor. The stock bolt is reused. Make sure the retractor is still keyed into the chassis at the rear. Final result should look like this:



3. Install larger inside harness mount. On the driver side of the rear deck, there is an M10 hole that was originally intended for use with a 3rd back seat shoulder harness (if your car has this 3rd shoulder harness, it must be removed). This mount point is under a precut section of the sound deadening material on the rear deck. The larger inside mount goes here, secured with the included M10 bolt. Don't worry about the mounting angle yet. This is the driver's inboard mount.



4. Install smaller inside mount. The smaller inside mount attaches to the center LATCH point. In order to make this strong enough for harness use, a high strength bolt is provided, as well as a load spreading aluminum plate that gets mounted inside the trunk. **Do not reuse the stock hardware at this location!** Secure the small mount using the include bolt. This is the passenger's inboard mount.



5. Set inside mount angles. Attach harnesses and run them to the front seat. Note: Because of the distance from the seat to the belt mount points, the belts should cross over (form an X) on the way to the seat. With the front seats in the position you plan to drive in, and the bolts securing the inside rear mounts loose, pull the belts snug to set the rear mount point angle. Hold the mount and tighten the inside mount mounting bolts, locking the angle in place.
6. Install the reinforcement plate for the smaller inside mount. Inside the trunk, you should see the M8 bolt you used to secure the small mount. Over it, install the included CNC'd alu block with the square cut out facing upwards (matching the cut out square to the factory LATCH reinforcement piece). Secure it with the included washer and locknut.



7. Four cone shaped set screws are included with your R-1246. Their purpose is to mark your rear deck, to show you where to drill. After the inside mount angle having been set (step 5 above), insert the set screws into all 4 mounts so the cone is sticking up out of the mounts. Temporarily install the rear deck (making sure it's fully seated in the rear slots, and press down firmly on each mount location from above. This should dent the plastic/sound deadening on the rear deck. Drill a small pilot hole in this location. Remove set screws from mounts (if you over inserted them, they have an Allen key insert on the other end).



8. Remove the rear deck from the car. From the top side of the deck, use a 1" hole saw centered on the pilot hole you drilled. Note: high drill speed recommended. If you snag the rear deck material at low speed, it will likely snag and pull off the deck a bit (unsightly).
9. Reinstall rear deck and all associated parts (step 1). Assembly is opposite of disassembly. Note: For seat bolster trim, remove center pin before installing. Install outer bit with trim piece in position, then install center pin to lock in place.
10. Install the 7/16" x 22mm MM eye bolts that Schroth includes with their harnesses through the rear deck holes you drilled into the R-1246 mounts. If you need to source these, they are Schroth part number SR SG23.
11. With either mounting system (step 10 or 11), you will need to use Schroth snap in brackets (Schroth PN B14).
12. (Optional) Between uses, the clip in mount points can be removed and the hole covered with any 1" trim plug.

Reminder: due to the distance the harnesses are run, the belts MUST be crossed over between the mounts and your shoulders to have appropriate belt angles.

Note: Periodically recheck fasteners for tightness.

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