

This message is marked as Important.

Subject: **How to: Navigation Retrofit in 99 e38 740iL with Factory DSP**

Author: [04sshd](#) : member since March, 2007 : 5549 posts

Posted on: 2008-02-01 05:53:27

This is my second e38 Navigation retrofit, and I have noticed that the only retrofit instructions found on [www.e38.org](http://www.e38.org) was a factory PDF. Here is a real time navigation retro to supplement the PDF file. This installation was performed on a 1999 BMW e38 740iL. These instructions should work for all non-nav equipped vehicles if you wish to install a factory navigation into your DSP equipped vehicle.

You will need the following parts to complete this install-

Nav screen (4:3 or 16:9 widescreen)

Navigation computer (MK1\*, MK2\*, MK3, or MK4 with purple and blue connectors on the back) \*MK1 and MK2 Navigation computers require use of a Trimble)

Navigation/Radio chassis harness (complete)

Trunk Mounted Business Radio (ie. BM43)

GPS Antenna

Center console/dash screen bracket

Trunk navigation brackets (one holds the trunk radio the other holds the nav computer)

If you wish to use your CDC (CD Changer) you will need to make sure it is a BMW 6 CD PI model. The 6 CD P model is not compatible with the nav retrofit.

First thing before you start, make sure you have everything needed to complete the install.



I usually start in the trunk by removing the trunk access panel for the CDC and DSP amplifier.



Unbolt and remove the CD Changer





Unbolt and remove the DSP Amplifier



Unbolt and remove the DSP Amp bracket



pull the two push pins that hold the insulating padding in place and remove the insulation.





Under the insulation is the bracket mounts for the trunk radio. Install the bracket to the radio and mount the radio.



Disconnect all of the radio harness from the trunk area. It's also a good idea to disconnect the battery from the car as well. There is a power plug for the radio harness behind the tail light, you will need to remove this to power down the radio harness. You will also need to peel back the trunk carpet on the side to access the area the harness travels into the cabin of the car.

Once you are unplugged in the trunk move to the interior. start by removing the back seat.







Lift the back seat headrests and pull them out







There are two bolts on the bottom of the seat back, remove them and pull the seat up and off



Pop out the rear quarter lights and remove the 3 8mm bolts that hold the rear quarter trim piece on.



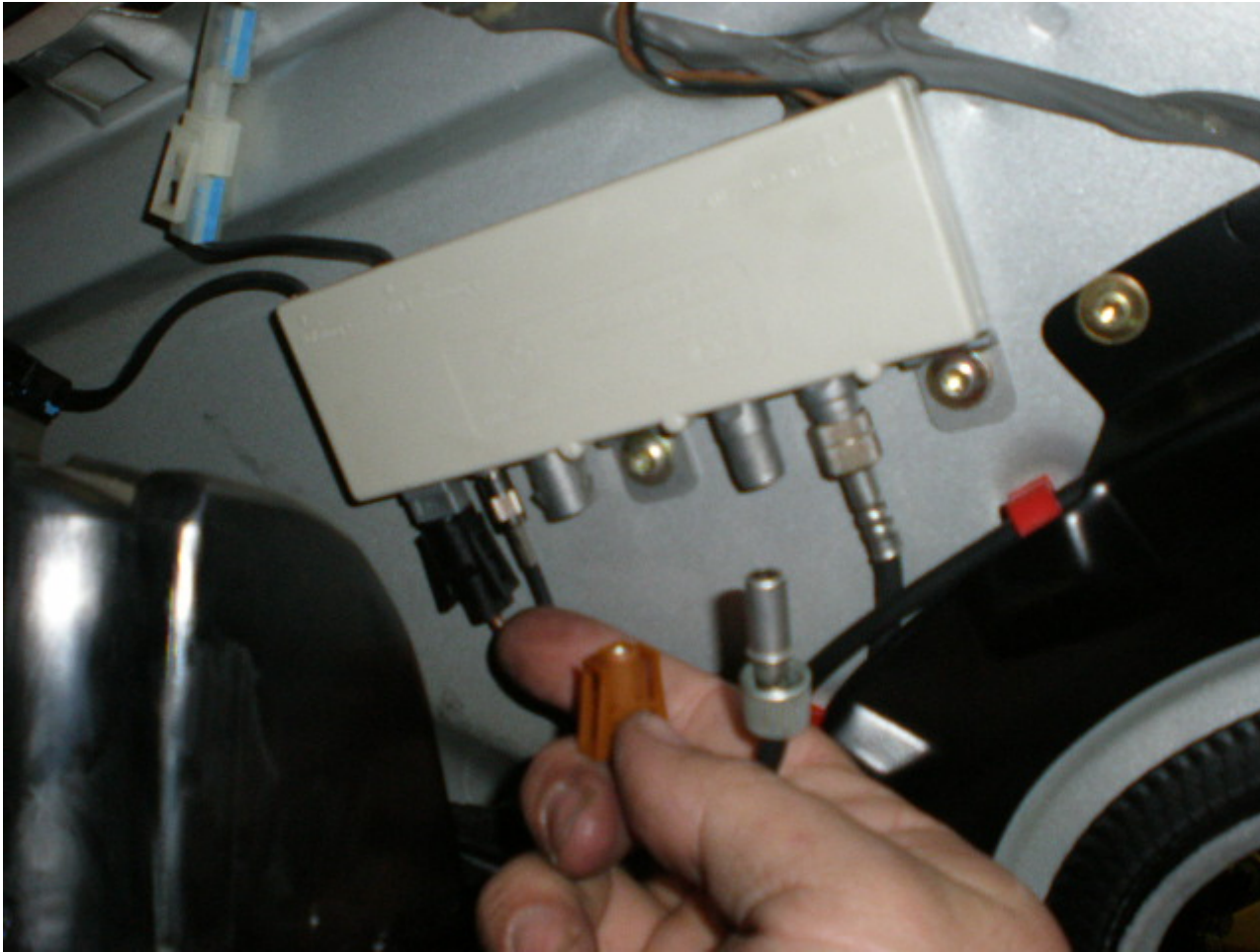
Remove the speaker screens, and unscrew the DSP sub cover and remove it. To do this you will need to take the other side of the back seat out as well as the other side quarter trim piece and light







Under the drivers side rear quarter trim piece you will see this box



Remove the black plug, the small antenna, the brown plug and the first coaxial cable. These plugs are part of the radio harness. Follow the harness down into the car. Remove the B pillar and door sills for the front and rear on the drivers side. You will see the harness running down the back seats and down the length of the door sills under the carpet.

You will also have to remove the drivers seat.





The harness crosses over towards the center console under the drivers seat. The carpet splits there so you can pull up both sides and follow the harness into the center console.



You will see three sets of grouped twisted and colored wires shooting off the harness. These are your door speaker wires. The first split off is on the B Pillar and it is a group of yellow wires, cut these wires but leave enough on the b pillar so you can splice in the new harness. The next set is under the drivers seat and under the carpet. It's a set of yellow twisted wires again as well but these have more of a red color in the group, cut these wires as well and again leave enough room to splice in the new harness to these wires. The last set is a group of twisted blue wires and this gets cut at the center console under the carpet.

Once this is done, remove the center console radio frame. You will need to remove the tape player, DSP screen, the MID, the A/C Control, the cup holder, and the OBD II port.



find the wires that were plugged into the tape player, MID, and DSP Screen. These will need to be removed from the console. Pull the wires down and out of the console from under the carpet. Once this is free you should be able to remove the whole radio harness. I usually make sure the path is clear and start pulling from the trunk

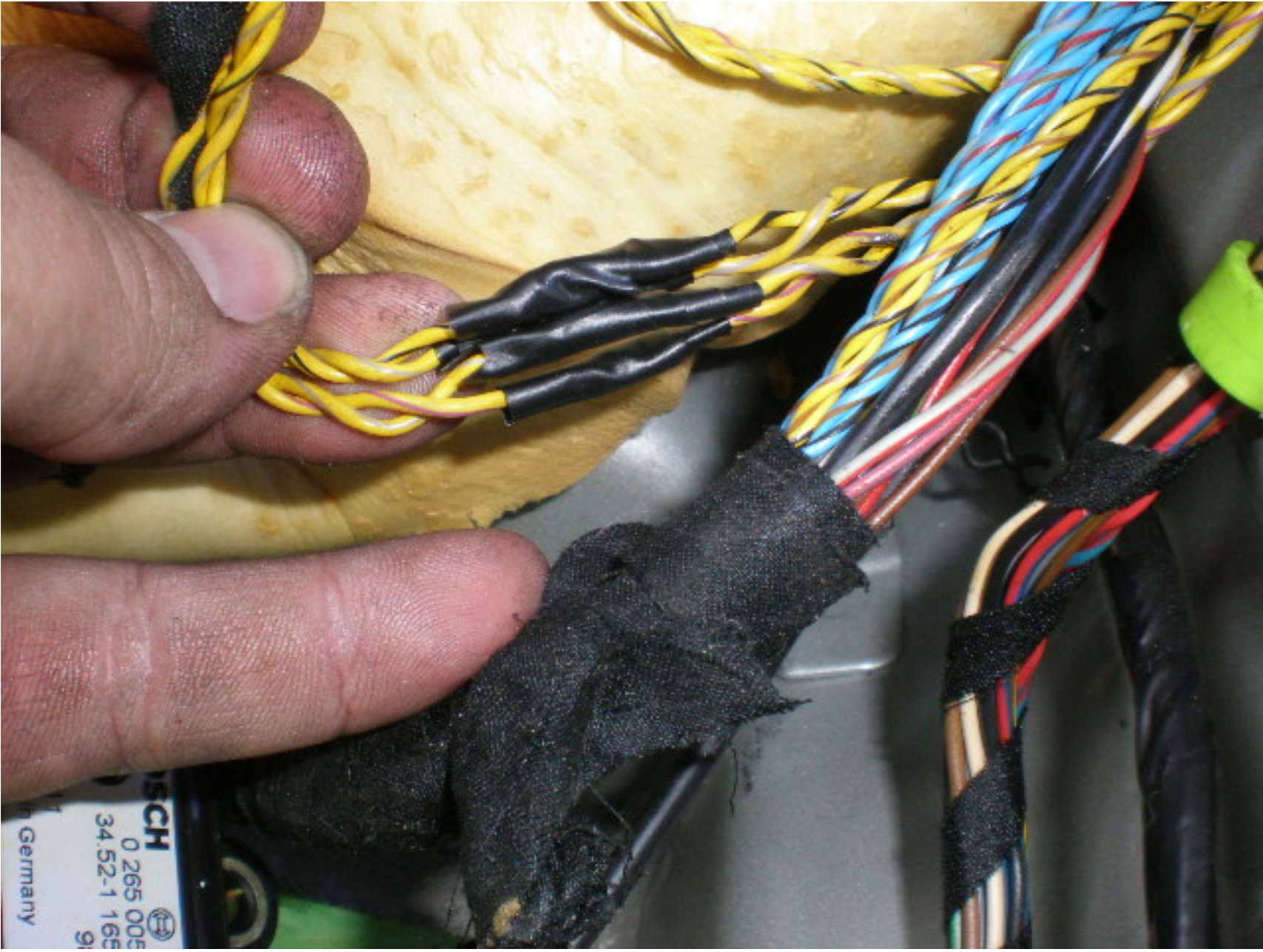




Once the old harness is out, feed the new Nav harness into the car the same way you took the old harness out. Off the Nav harness you will have matching color wires for the speakers. Splice those into the wires you cut. Match up the twisted wires to the ones in the new harness and solder them in.

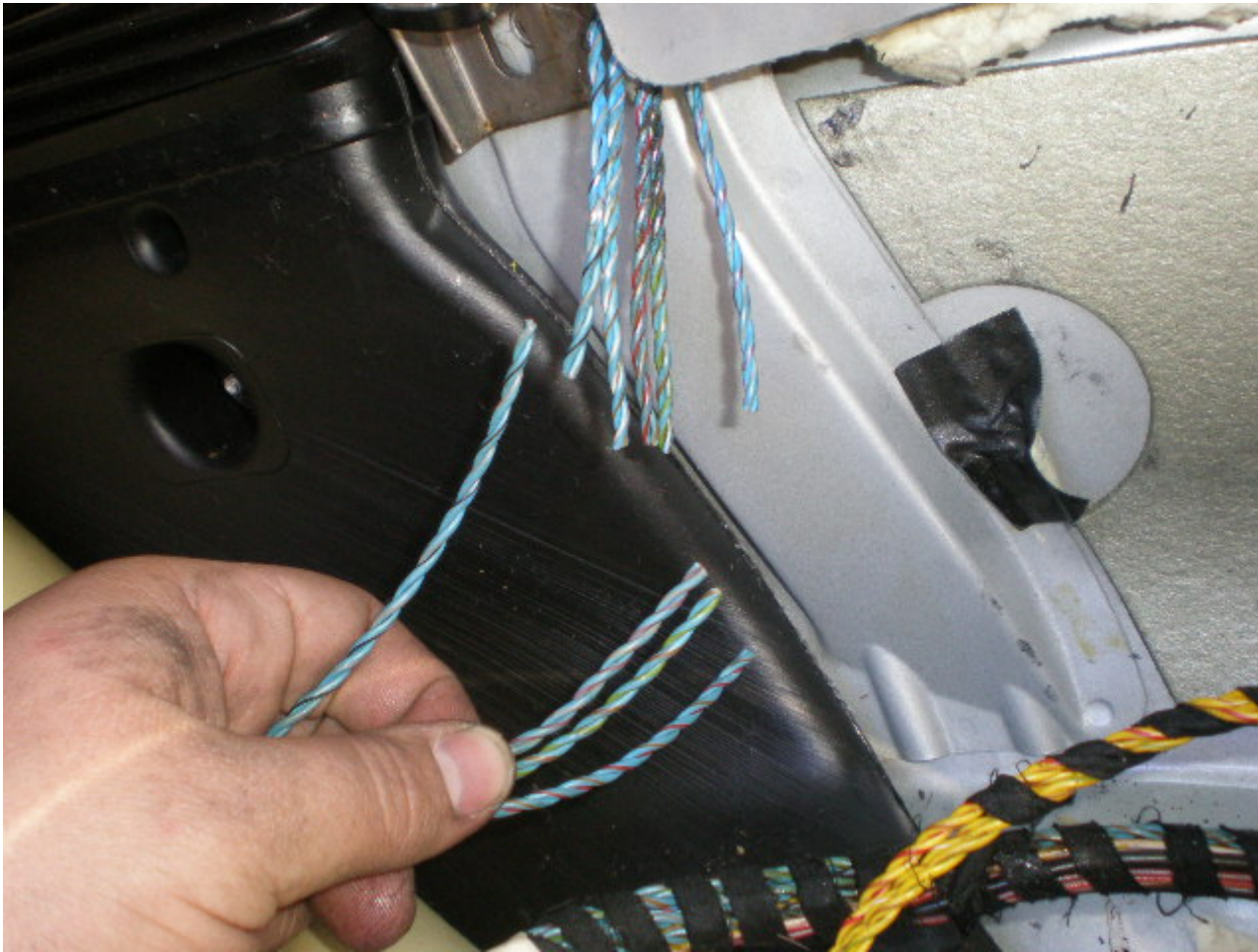






SCH  
0 265 005  
34.52-1 165  
Germany





Run the new harness wires into the console, the blue and white plug will be for the new screen.



reinstall the new nav radio frame and install your A/C control, cup holder, OBD II plug.





Once the new harness is in you can start to reassemble the interior, and plug in the rest of the connectors on the harness into the car.









Go back to the trunk and plug in all the connectors to the radio, the DSP amplifier, the CDC, and the Nav Computer. You can also install the nav bracket if you have not done so yet.





Install the screen and test the system to make sure it works





Once you are certain everything works reinstall the trunk trim piece





And put the rest of the dash back together



If you are thinking of doing this retrofit, keep in mind this is a HUGE job and allow yourself about 6-8 hours to complete it.