



DYNAVIN N7-E46 PRO INSTALL GUIDE

Disclaimer: *Although we encourage the DIY spirit, it is important to realize your limits. If you have doubts about your ability to install one of our products, please contact a professional installer. **You can locate a Dynavin installer near you on our website under DEALERS > FIND A DEALER/INSTALLER.** It is the sole responsibility of the purchaser and installer to employ the correct installation techniques and materials. Any damage resulting from improper installation or use is the sole responsibility of the purchaser as is confirming compatibility and any limitations that might be present in the particular installation. **IMPORTANT: Do not alter any components without first contacting Dynavin North America.**

Compatibility: BMW 3 Series 1998-2006

Car: 2001 BMW 330Ci



Tools Required: Flat head screwdriver, Philips screwdriver, a plastic trim removal tool (a butter knife wrapped in electrical tape works well for this), electrical tape, a towel/microfiber towel. We recommend this or something like this:

[Dash Trim Removal Tool Set](#) or [Bavsound 31 Piece Disassembly Tool Kit](#)



Cars equipped with the "Business CD" head unit will have the same procedure, HK or non- HK.

Cars with OEM navigation must install the Dynavin Extension Cable (includes the radio antenna extension cable) to connect the plugs in the trunk to the Dynavin head unit. **SELECT "W/OEM NAVIGATION" IN THE DROP-DOWN MENU** to add the extension cable. The remainder of the install remains the same as non-OEM nav cars but the location of the various plugs and connections are different. For the extension cable guide, visit

<https://dynavinnorthamerica.com/pages/faq-links#q1c>

Dash Disassembly

Use a plastic trim removal tool under the outside edge of the dash trim. If you use a butter knife, wrap it in electrical tape to make sure there are not any sharp edges.



Once you get a little gap, use a flat blade screwdriver wrapped in electrical tape or a towel to pry the rest of the trim loose. Start from the edge and work toward the center. If you have wood trim, it has a steel backing so don't be afraid to put some force behind it. If you have plastic trim, work slow and it should come out without too much effort.



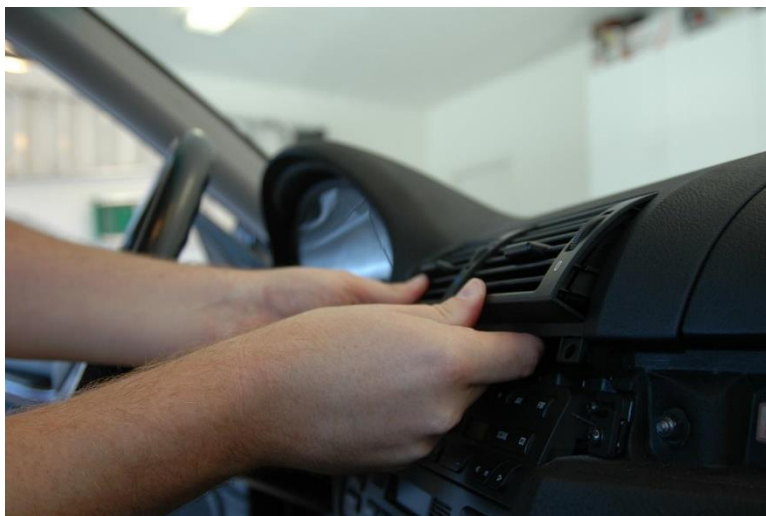
Once that piece is off, move on to the center dash trim, one side will be loose, pull on it and the center will snap loose as well, there is one more connector nearest the steering wheel. Pry it out just like you did the other dash pieces.



Take out the 2 screws holding the vents in.



Now for the hardest part of the entire installation. The center vents are a pain; they take A LOT of force to get out. The best method I have found is to push the vents up hard as you pull them towards you. They will make a terrible cracking noise—no the vent isn't breaking (hopefully)—the vents have clips on the bottom that are barbed; they make a lot of scary noises as they let go. Eventually the bottom should snap out as pictured below.



Sit the vents on the dash top, out of the way, leave the cable connected.



Take out the 2 screws holding the radio in.



Pull out the radio.



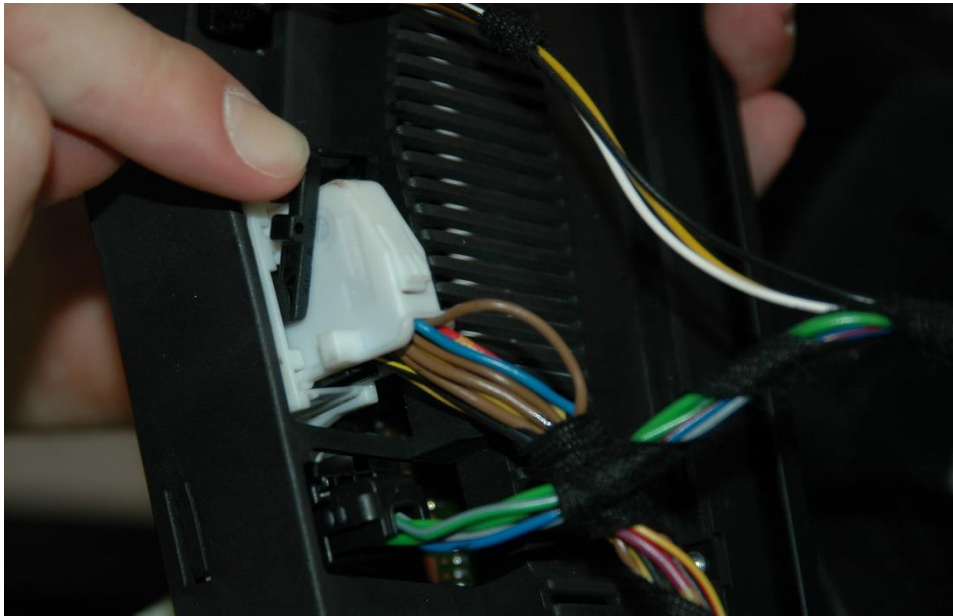
Unplug the radio. The big black plug has a mechanism that requires you pull up on the outer part of the plug. This will force the plug to back out of the radio. There is a little diagram molded into the top of the plug showing what to do.



Put your fingers behind the HVAC controls, it is just snapped in, PULL, wiggle, PULL some more, and it will pop out.



Unplug the multiple HVAC plugs. The white plug has a lever on it that will push the plug out of the HVAC control.



Take out the 2 screws still holding the radio/HVAC frame.



And pull it out of the dash.



Now you have a big Dynavin sized hole in your dash. Now for the AC relocation.

Grab the shift boot trim and pull it up, it will pop out.



Take out the 2 screws holding the shifter surround trim.



Unplug the window switches and remove the trim.



Open the door of your storage compartment located above the ashtray and pull it out. The entire compartment will pop out of the dash. Take out the 4 screws holding the ashtray, 2 on top, 2 on bottom.



Pull out your ashtray.



Unplug all the switches, lighter, etc.



Look at the backside here. This is the “individual button row” part (see the individual compartments for each button). The “single row” part will have one big rectangular opening. Pop out the buttons and remove the lighter and swap them over to your new “HVAC relocation bracket” (if you are using one).



Pull the HVAC plugs down to their new home by the ashtray and make sure all the stereo plugs are where they belong. **If you are going to run any accessory/iPod/aux-in/USB cables to your console area, now is the time.**



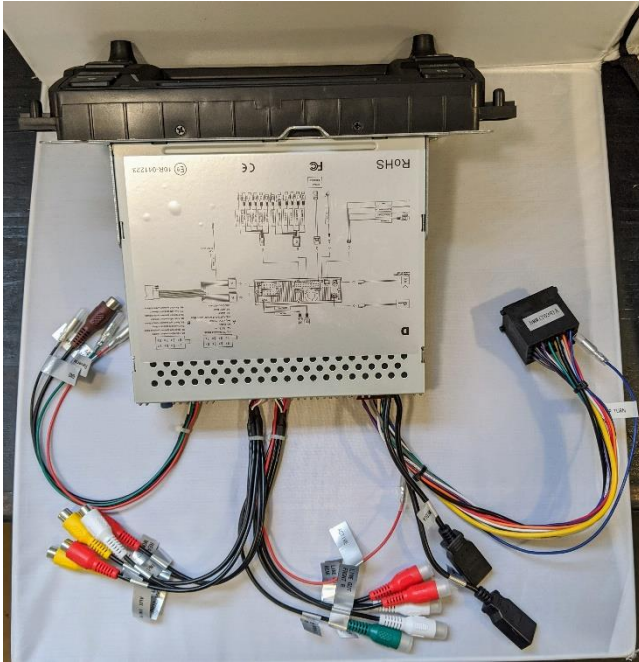
Once you have whatever cables you will be using in place, plug in the HVAC control and snap it into place.

Note: You can save this step until after you install the Dynavin. Having access to the lower console area may be useful in running cables, for example.



Dynavin Radio Install - Parts

Get familiar with the plugs and connections. You will likely not use many of these plugs but it is best to know what they do. I suggest you lay everything out on a table to familiarize yourself with everything. Listed left to right:



- Camera wire harness (brown RCA for video), Green reverse trigger wire, red wire for constant power only
- Aux-in connections for video (monitors, auxiliary, etc.)
- Audio-out connections for aftermarket subs
- Two USBs (iLink Pro for the white iLink Pro dangle), Media for connection to your phone, flash drive, etc.
- Main wire harness (round pin). Plugs directly into the car's OEM plug. If you are installing the extension cable, your car may use the flat pin plug included with the extension cable.



- GPS antenna (magnetic, install above metal crossmember inside dash)
- External microphone (install on top or near the steering wheel column, left pillar, or above rear-view mirror. Test what works best for you.) Must be installed. Dynavin radio does not integrate with factory microphones.
- Two 3 ft. USB extensions for the two USB connections on the back of the radio
- SiriusXM adapter cable for use with the SXV300 Tuner only (must set the Dynavin "Region" to the USA flag in the System Menu for SiriusXM radio functionality)
- iLink Pro dongle for Apple CarPlay and Android Auto functionality.
- iGO Primo navigation software (must be inserted in the NAV card slot to function)
- Fakra antenna adapter for AM/FM radio (use if needed)

Not included but recommended: [USB Flush Mount Extension Cable](#)



Dynavin Radio Install

I placed the GPS antenna on the metal crossmember under the vents. It's magnetic so it will stick right to the metal. This location has worked well for many Dynavin users but a few have reported reception issues in this location due to an optional "comfort windscreen" that BMW offered. We suggest that you test your Dynavin's functions before you complete the install to make sure that you are receiving the GPS signal.



Uncoil the GPS wire and tuck it to the left out of the way.



Attach the correct radio antenna adapter

2002+ (adapter not needed)

1999-2001 use the included antenna adapter



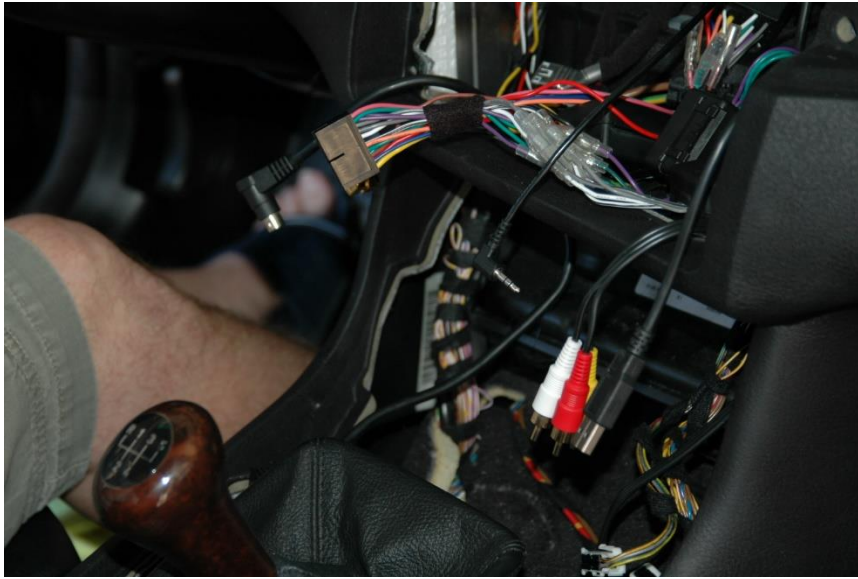
Plug in the Dynavin round pin main harness (For OEM nav cars, this will take place in the trunk end with either the round pin OR the flat pin plug. [See extension cable instructions here.](#))



Clamp down the retainer clip.



Run your USB cables, aux-in cables, and/or whatever else you are installing where you want them. Popular locations are the glove compartment and the console/cupholder/e-brake area.



Now put a towel on your console to protect against scratches and carefully plug in the harness. Also, plug in the GPS antenna, the radio antenna, and the external Bluetooth microphone at this time.



Now for the tricky part. You will need to tuck the Dynavin harness back and to the left toward the instrument cluster. Then you will need to place all of the remaining RCA plugs, USB plugs, etc. on the top of the Dynavin; pull them out through the vent holes to get them out of the way. The idea is to get all of your remaining connections on the top of the Dynavin where they are out of the way and accessible without having to pull the Dynavin out of the dash.



Slowly work the Dynavin into place, tuck the wires away and be careful to make sure there are no wires where they don't belong. It is a very tight fit so it might take a few tries to get everything in a place where it doesn't interfere with the fit.

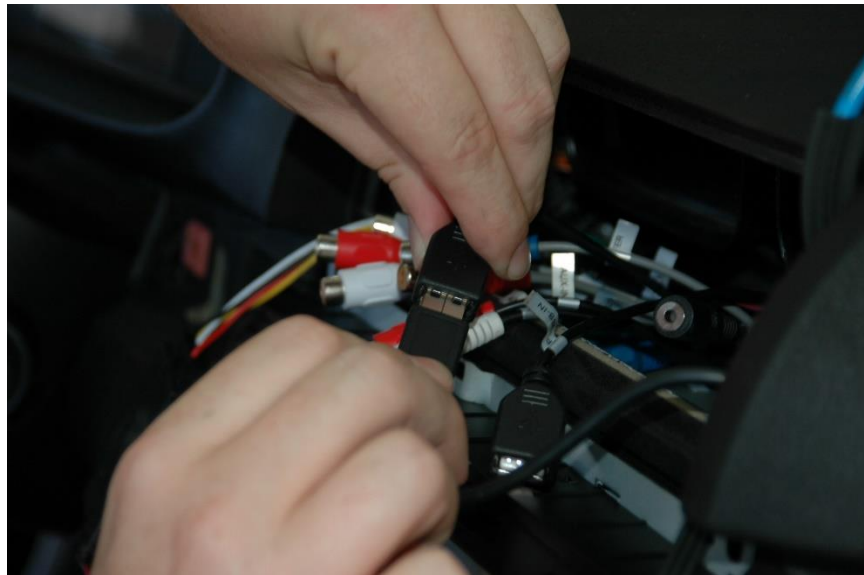


The Dynavin has 2 metal clips near the bottom that will need to snap into place in the dash, it may take a good amount of force to do this so look at the clips first. Get familiar with their location and fit before you try to seat the Dynavin into its final location. Eventually you should end up with something like this, the Dynavin in the dash and a bunch of plugs hanging out of the vent hole.



Now you can go through and connect all the remaining Dynavin plugs and any accessory cables you might have.

USB extension



Aux-In



Leave all the remaining plugs on the top of the unit. They will be out of the way and they remain accessible if you want to use them in the future to add an amp, a second video monitor, a backup camera, or anything else you might like.

Make sure that the plugs are not in the way of refitting the vents. Now would be a good time to test all the functions. Once you are satisfied that all of your connections are good you can move on and finish up the install.



Pop the vents back into place.



Replace the 2 screws that hold in the vents and now will hold the Dynavin as well. Make sure to note the gaps all the way around the Dynavin and the vents. Adjust everything for a clean fit before you tighten down the screws.





For the latest firmware updates, please visit dynavinnorthamerica.com/pages/firmware-updates or scan this QR code →



For the backup camera install overview, visit dynavinnorthamerica.com/pages/faq-links#q2k ← or scan this QR code

For questions/install help, contact us during business hours Monday-Friday at 559-486-4047 or by email at support@dynavinnorthamerica.com anytime.

www.dynavinnorthamerica.com

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