



DYNAVIN N7-E39 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 5 Series 1996-2003, Range Rover 2002-2004 (specific model)

Tools Required: 1.5mm allen wrench/metric assortment, 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 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>

Cars with OEM DSP amp: Before uninstalling the factory head unit, be sure to set the audio to a default setting. The factory radio audio settings are retained by the DSP amp so it will affect the audio output by the Dynavin. Otherwise, there is no difference in install or any extra required components. Simply go to the Dynavin’s “Audio” menu and select the box “OE DSP”.

Dash Disassembly

Start by pulling the volume knob off the factory head unit.



Next use a 1.5mm allen wrench (I don't know that this is the right size for ALL radios so you might have to try a few sizes). There is what appears to be a screw behind the volume knob but it is not a screw.



This is a “release” and turning it about a ¼ of a turn will release the MID and it will swing out. It’s like a doorknob. Turn it and it will swing open. If you turn “knob” too far and twist too hard you will break it off or strip the head so be careful.



Pull the MID out and unplug it.



The remaining portion of the head unit will be held in by two screws.



Take these out and remove the remaining part.

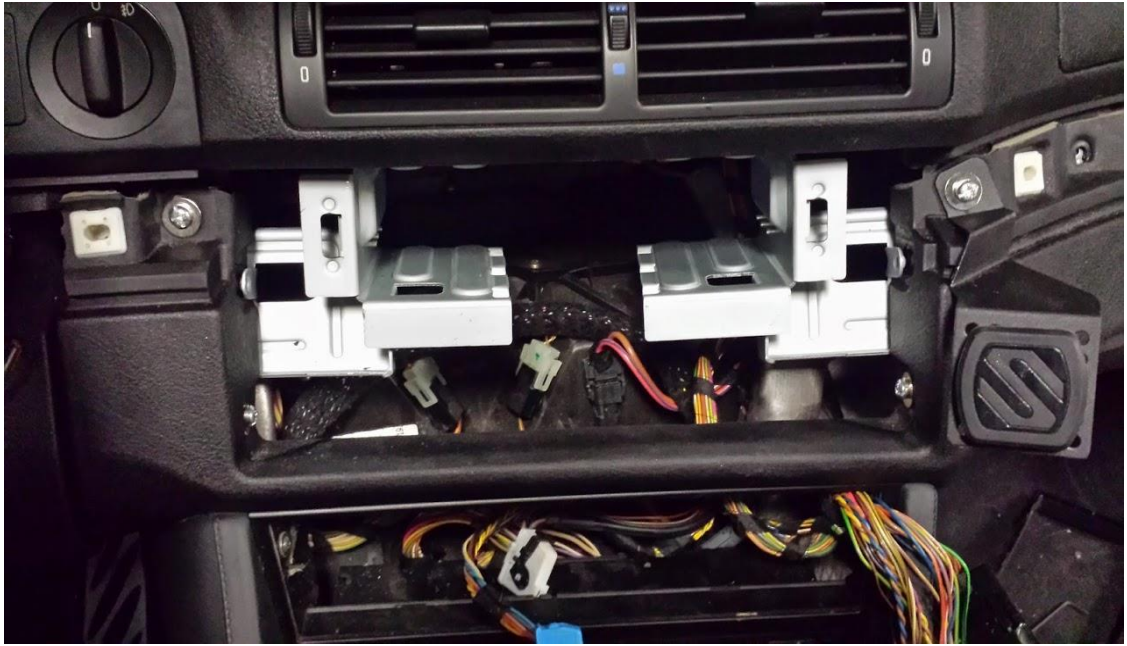


Unplug the radio, antenna etc. There is a large black plug with a “retainer” that has to be swung out to release the plug.



You will be left with the radio bracket in the dash. In most installations this bracket will need to be removed. Pull off the wood trim on each side of the radio. There is a row of screws behind it. Take out the row of screws along with the radio bracket screws and the lower portion of the dash will become loose giving you the wiggle room needed to get the bracket out.

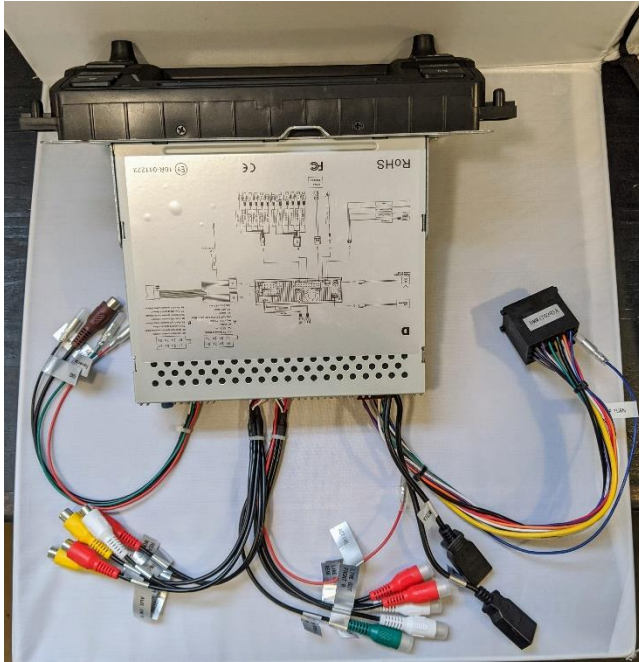
The Dynavin radio includes a dash bracket. The bracket comes in 5 pieces and it's important to note that it should be installed into the dash in 3 pieces. The bracket side assemblies go BEHIND the plastic dash parts with the included screws going in from the front side, through the holes in the dash (remove the brass colored clips from the dash) and thread into the bracket. You put the side brackets in the dash FIRST, then attach the center section to tie them together.



Dynavin Radio Install

Get familiar with the plugs and connections. Here is what we are starting with. You will likely not use many of these plugs but it is best to know what they are. We suggest you lay everything out on a table to familiarize yourself.

The Dynavin includes two main wire harnesses. You will use either the round pin or the flat pin depending on your car's needs. Use only the one that matches the factory plug on your car.



- 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 dongle), 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 an 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](#)



Place the GPS antenna on the metal cross-member behind the radio/under the dash top. Its 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. I suggest that you test your Dynavin's functions before you complete the install to make sure that you are receiving the GPS signal. If the signal in this location is not acceptable you will need to do some experimenting with different locations.

Attach the correct radio antenna adapter if needed. Newer cars may not need an adapter. Use the included adapter only if needed.

Plug in the Dynavin round or flat 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. Turn it on and check all the functions.

Once you are satisfied that everything is connected and working, it's time to mount it into the dash.

Now for the tricky part. You will need to tuck the Dynavin harness under the Dynavin in the radio mounting bracket. You will see that there is room under the radio but getting all the wires there at the same time might be challenging. Take your time and don't force anything.

Push the Dynavin in and if all your wires are properly placed and out of the way it should go all the way back and clip into place. The clips are located on both sides of the Dynavin.

DONE!



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.