

# ***Dynavin Solutions: E39 Dash Disassembly and Dynavin Installation***

Obligatory Disclaimer: As always, I am not responsible for anything you might do to mess up your car, follow these instructions at your own risk!

Cars with OEM navigation will have to install a wire harness (known as the 5M Fakra harness) to connect the plugs in the trunk to the Dynavin headunit, most of the install remains the same but the location of the various plugs and connections are different and are not specifically covered by this DIY.

If you have an X5 you can expect a similar experience to the one outlined in this guide.

Cars with DSP.....well.....you better do your homework!



Start by pulling the volume knob off the factory head unit, just pull, it should come right off in your hand.



Next use a 1.5mm allen wrench (I dont 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.



IT IS NOT A SCREW! It is a “release” and turning it about a ¼ of a turn will release the MID and it will swing out....Its just like a doorknob and a door, turn the knob and the door opens. If you turn “knob” too far and twist too hard you will break it off or strip the head...and then you are screwed!



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, there is a large black plug with a “retainer” that has to be swung out to release the plug.



Now for that little door that covers the top part of the radio, Ive seen it posted a bunch of times that you should just break to get it out....I didnt find this to be the case at all! Insert a flat blade screwdriver into the gap between parts as shown. See the steel pin....you just have to

pry the parts apart enough for the pin to pop out of the hole its in.



Like this!



Once the one side is free you can just pull the door out of the radio bracket leaving you with a nice blank hold in your dash. Ready for your Dynavin installation.



## ***Install***

Lets 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. I suggest you lay everything out on a table to familiarize yourself with everything. Listed left to right,

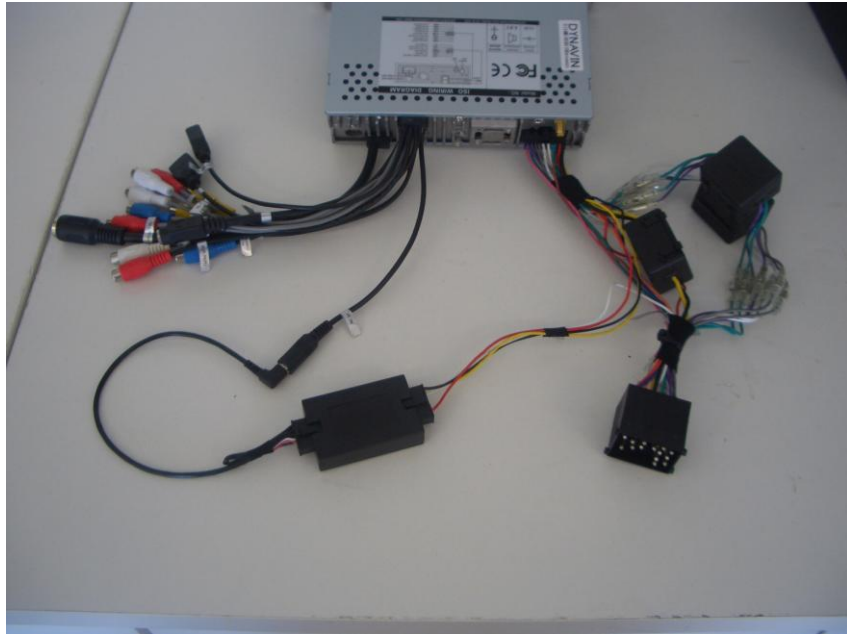
- DVB-TV plug (for the new external, region appropriate tuner)
- ipod cable plug
- usb 1
- usb 2
- subwoofer output
- front and rear RCA outputs (4)
- video outputs (2)
- back up camera input
- aux video input
- aux audio input
- steering wheel control input (labeled IR IN)



The steering wheel control interface is the black box, it plugs into the Dynavin harness and also plugs into the **IR IN** plug as shown below. Here is what your harness should look like before you put it into the car.

**VERY IMPORTANT:** make sure the brown wire labeled **AMP CON** is insulated and secured, if this wire shorts out.....well... you don't want to know!





**Now lets take a look at some of the parts you will find in the box.**

External bluetooth microphone (the dynavin has a built in one as well, you can experiment to find what works best for you in your car)



Steering wheel control interface



Ipod interface cable



The antenna adapter for later cars



The antenna adapter for earlier cars. Your cars may have plugs for both antenna adapters but you will want to use only the one below for proper radio reception.



The GPS antenna.



**A couple possible accessories, depending on your install you**

**may want to install the following.**

Ipod to Aux In audio/video adapter cable



Headphone jack to Aux In audio cable



USB (this is the flush panel mount one that I used in my Dynavin Info writeup but any USB extension will work.



More info about my USB installation can be found in my “dynavin info” post, about half way down: <http://forum.e46fanatics.com/showthread.php?t=754606>

**So lets get started!**

I placed the GPS antenna on the metal crossmember 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.

Attach the correct radio antenna adapter

Newer cars use this adapter (depending on the year its appearance may vary)



Early cars may use this adapter, you will not use the other antenna plug)



Plug in the Dynavin harness



Clamp down the retainer clip



Plug in the steering wheel interface into the dynavin harness (if you didnt already)





Run your ipod cable, USB cables, Aux in cables and whatever else you are installing to wherever you would like 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 (if you choose to use it) at this time and any other accessory cables you might have...now would also be a good time to turn it on and check all the functions.

Once you are satisfied that everything is connected and working its time to get that thing in the dash!

Now for the tricky part.... you will need to tuck the Dynavin harness (with the LOCs and the steering wheel control interface) 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, dont force anything and eventually you should be able to get everything in there.

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 (see the access slots on each side of the screen) To remove the dynavin just insert the included removal tools into the slots to release the clips.



And thats it! All done!



Pat yourself on the back, crack open your favorite beverage, and enjoy your new toy!

Thanks for the purchase, I hope you enjoy it!

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