

Do I need DSP adapter harness?



Certain model BMW vehicles were equipped with what is known as Digital Sound Processing (DSP). DSP is a RG174 coaxial input instead of wires from the BMW CD Changer into the factory amplifier. BMW sometimes refers to this as "premium sound".

Vehicles with DSP as an option: Vehicles with **DSP as standard equipment:**

1997-2003 5-series

09/1998-2001 7series

2004-2009 X3

2000-2003 M5

2000-2006 X5

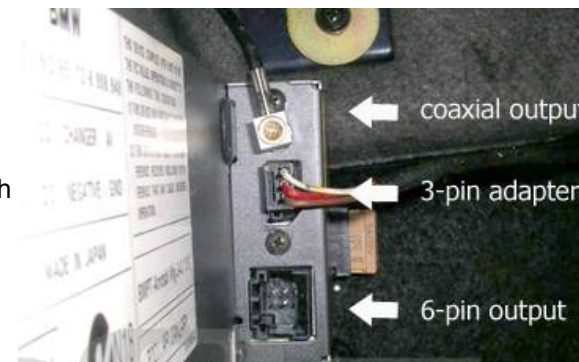
2000-2003 Z8

2003-2009 Z4

Vehicles manufactured after **MY2002** will have to inspect the connections either at the CD changer or Factory Amplifier to determine what type of DSP is present. If the vehicle was originally equipped with a CD Changer, this is simple as you will be able to check what connections are connected to your changer. Factory Amplifier with Digital DSP will have a RG174 Input (Figure 3).

For these MY2002 and later vehicles,

If there is a **3-pin** and **6-pin** connection (these were considered "Analog" DSP) available at the CD changer then the DSP adapter is NOT required.



If there is **Coaxial Cable** present at the CD changer then vehicle is equipped with Digital DSP.



DSP Button

Figure 1

If your vehicle has DSP button, then it is equipped with DSP amplifier and will require DSP Adapter.
If there is no visible DSP button then you do not have DSP.



DSP Option

Figure 2

If your vehicle is Navigation Mode, press the MENU button and see if you see DSP option. If there is DSP option then you will need the DSP adapter.
If there is no DSP option in Menu then you do not have DSP.

Only DSP amplifier will have this Input on them.

If Amplifier in your vehicle does not have this then you do not have a DSP equipped vehicle.



DSP Input

Figure 3

*Note: C- DSP adapter must be used with BMW Trunk (BMW-T) Installation Harness.

On vehicles equipped with DSP, it is not possible to install GROM kit behind the stereo with BMWS cable.