

BMW M6. Trigger wire for Video module and DVD player install.

First, thanks to member AMP. If it wasn't for him, I don't know how I would go about finding this information.

Situation / info on E63 M6 and E60 M5:

I installed a video interface module and DVD player. Works great.

I tapped power from CCC connector.

The next day, I started getting “**High Battery Drain**” fault message on the LCD Nav monitor.

Detailed testing shows power to CCC, CD Changer, LCD Navigation Monitor is powered on all the time / as in direct battery connection.

It appears BMW changed their system power design. Connectors powering the LCD monitor, CD Changer, CCC = all of the power wire on their connectors remain ON even when ignition switch is in the OFF position, even when the car is parked and locked. ALWAYS ON means Always ON as in hot battery power.

So if you use one of these power wires to tap power for your aftermarket electronics such as DVD player install, Video Module Interface, hard drive based MP3 player, any module drawing power – it will continually drain power and you will get a “High Batter Drain” message on your LCD Nav display.

Target:

Find a 12V trigger wire to drive a relay that will power the video module and DVD player.

Apparently there is a RAD_ON signal that is generated off of the back of the CCC to switch on the Antenna amplifiers and Audio Amplifier whenever the demand states so

This wire switches on when the Audio Amp is on, and switches Off when the Audio Amp is off. Perfect for my DVD player install application.

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I checked this wire with a digital multi-meter and confirmed this.
(Ignition in accessory mode = + 11 Volts present. Ignition in OFF mode = No power. Open door = +11V. No activity on car = shuts off after 5 minutes of inactivity. Perfect!

This wire is Pin 13 of the main CCC connector. It is supposed be a White with Violet stripe .35mm wire (22 gauge wire). However, the color of the wire is more like light yellowish color with violet stripe, 22 gauge wire. See photos below.

So I used this wire to drive the coil of a relay.
I tapped / soldered power and ground wire from CCC connector to provide power to the Video Module and DVD player.

Relay used: Tyco / Bosch 12VDC SPDT 30A relay.

P/N: V23234-A1001-X036.

I also purchased the relay socket with wires so it's plug and play / no need to solder WIRES to the relay terminals itself.

You can find these at Mouser electronics or even Amazon. Click [here:](#)

Relay full specs and schematic [here:](#)

Summary:

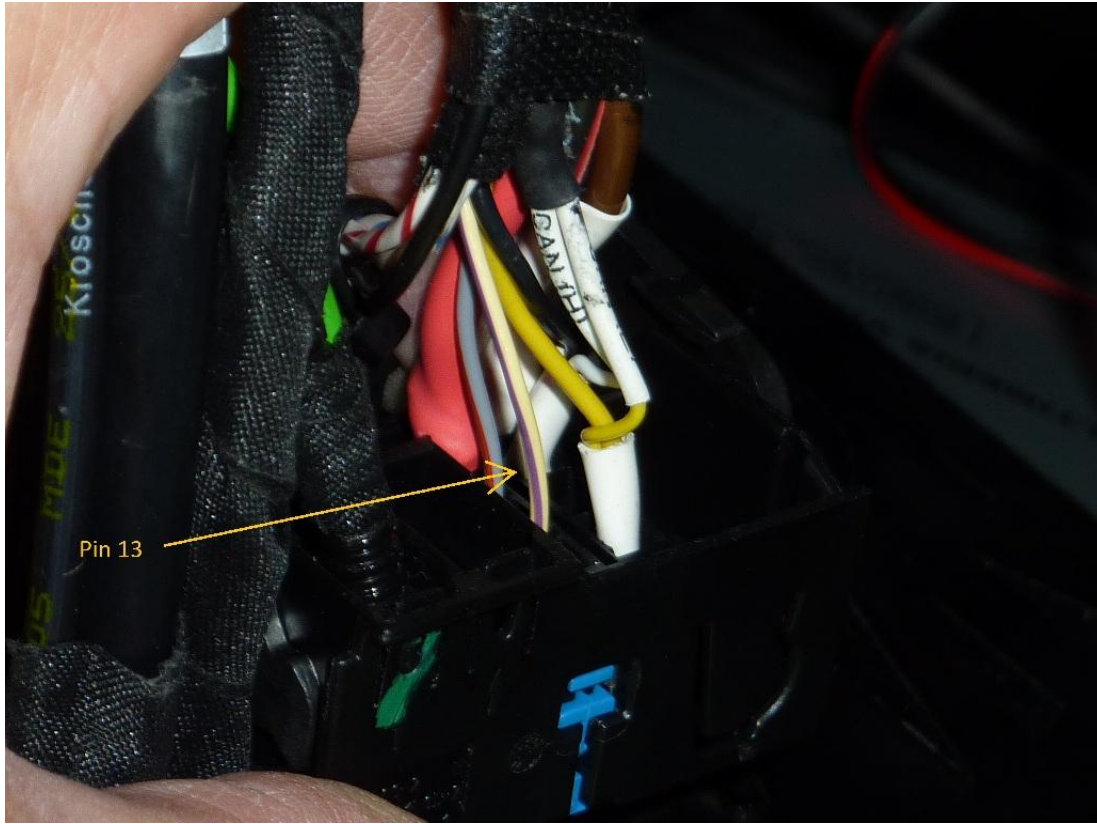
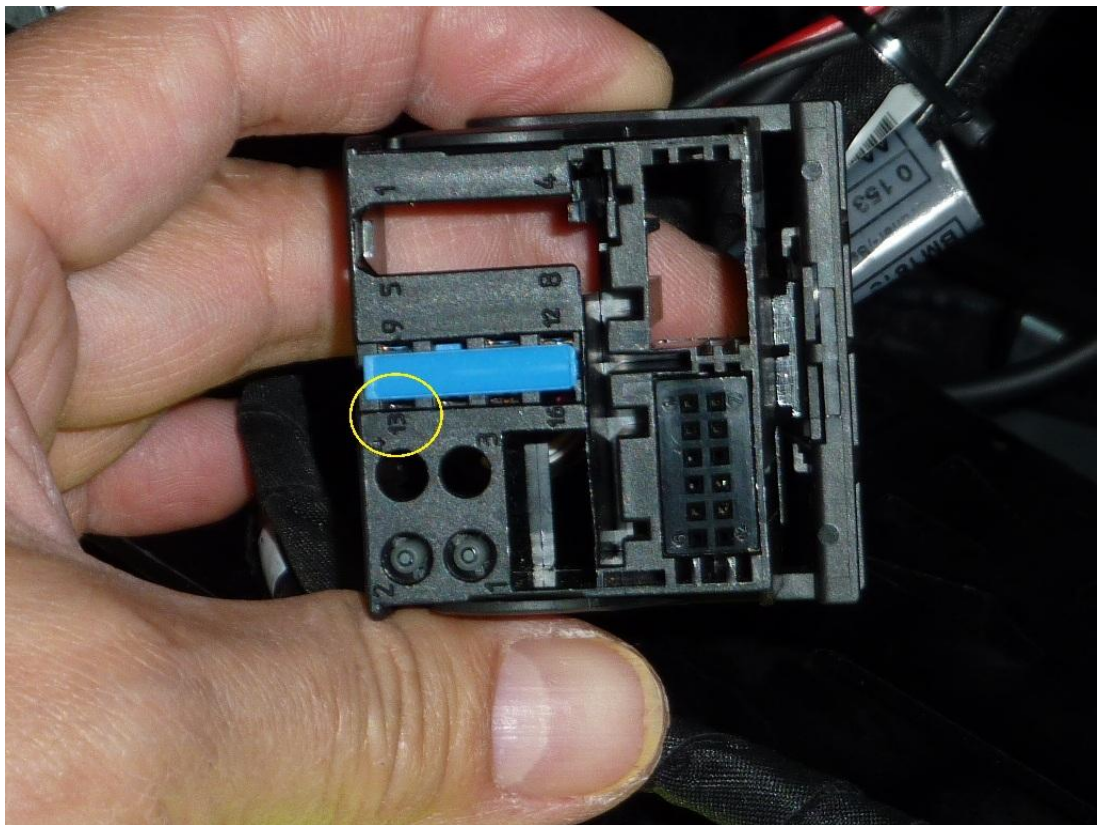
Now works perfect. No more "High Battery Drain" message.

Couldn't have done it without the help of members here like AMP and my friend Doug Baker. Many thanks to all of you!

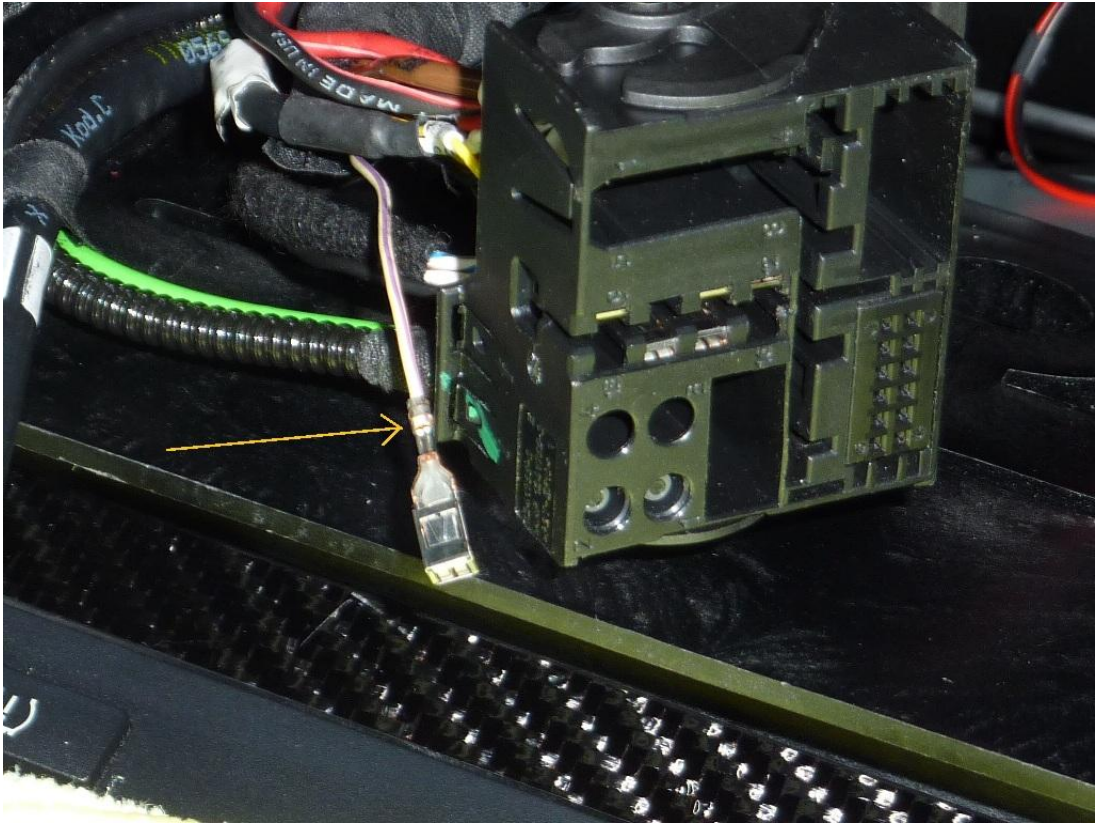
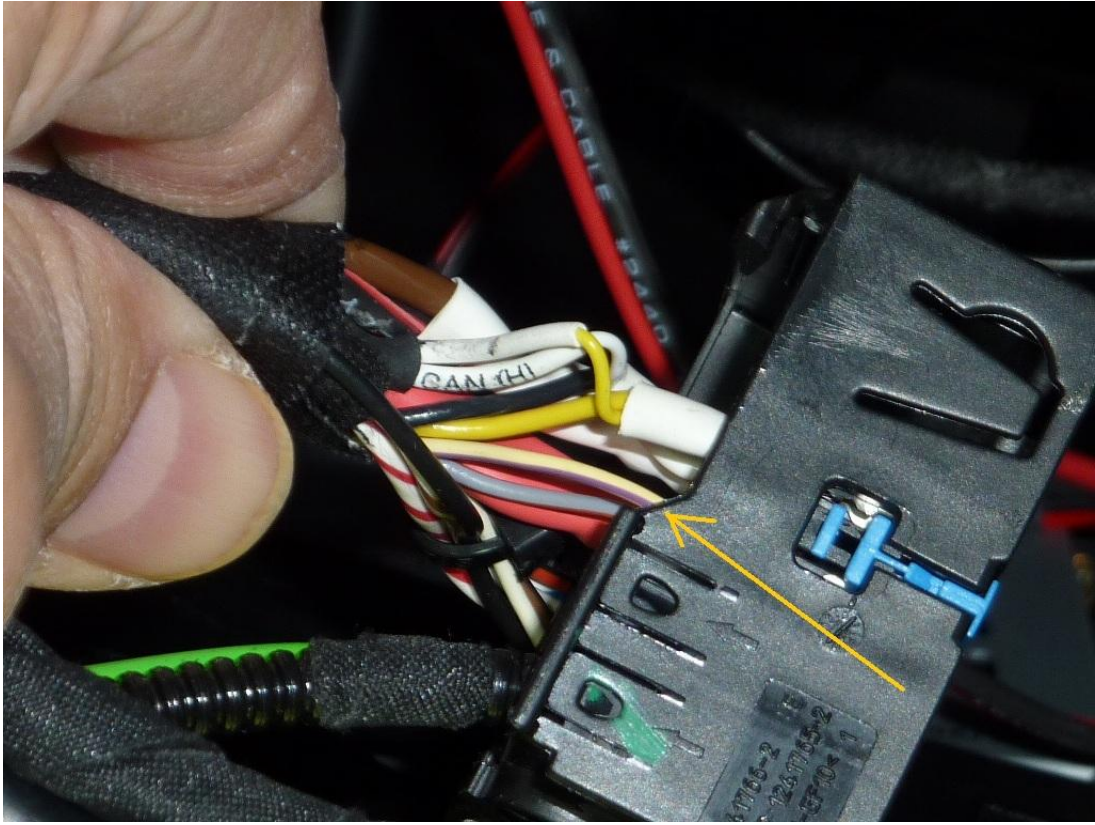
Done!

Dan L. (whatheheck)

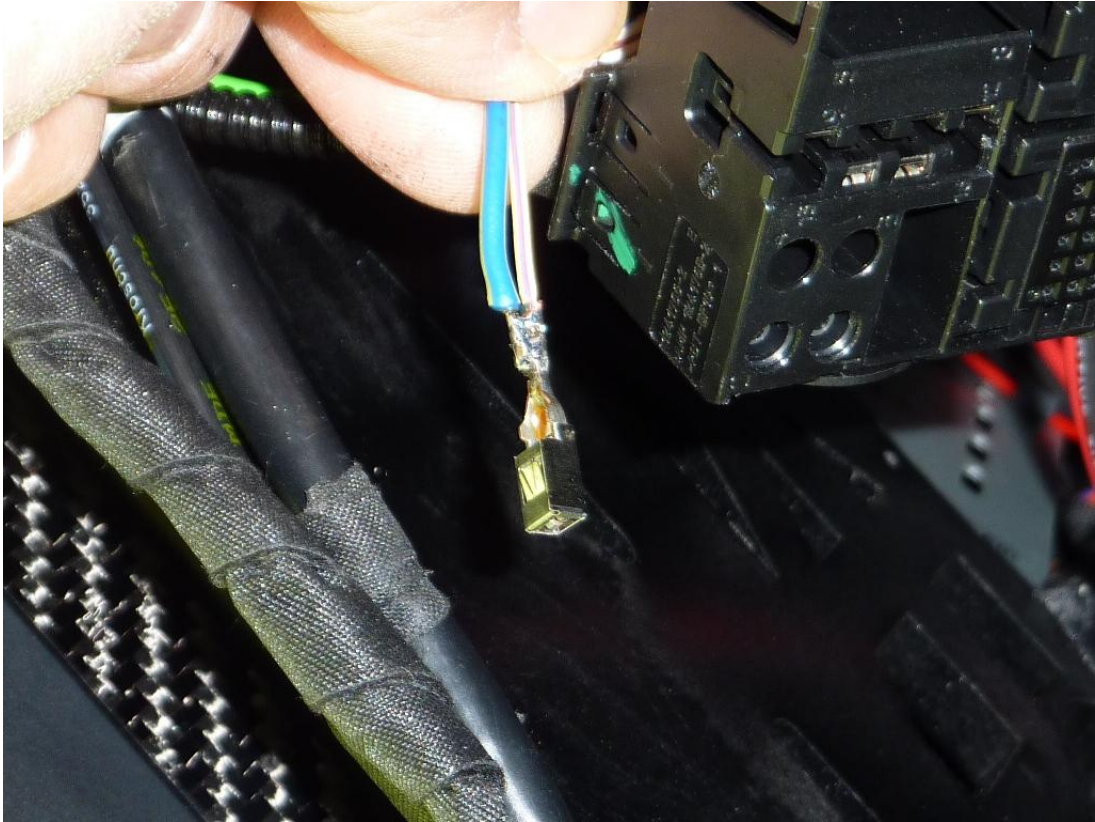
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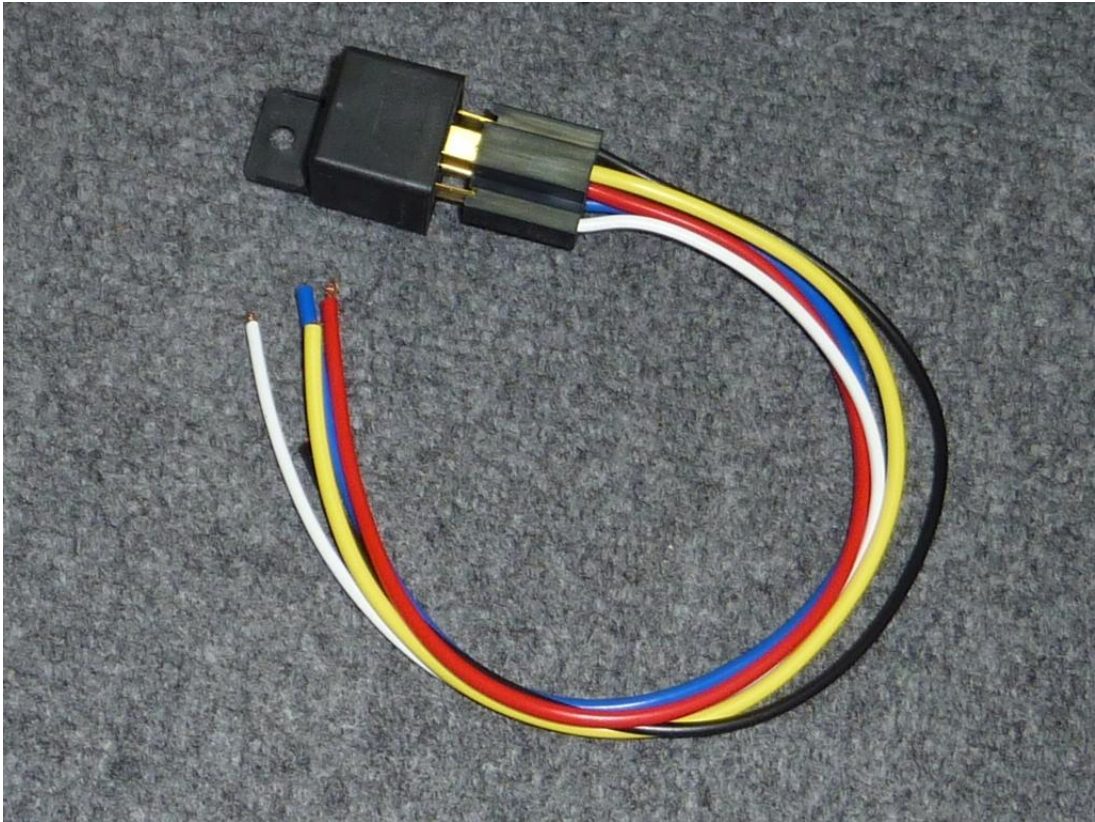
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