

GM Steering Wheel Resistor Box Install Guide

Rev. 1.0

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The AccuTach Co. GM Steering Wheel Button Box requires that you repurpose all of the buttons in each group when you use it. In the case of the GM steering wheels with the 8 audio control buttons in one group, it is relatively easy to re-purpose some of the buttons back to control part of the OEM audio system.

This Install Guide is intended to show how to repurpose only some of the GM steering wheel buttons while retaining the OEM functions of the rest of the buttons. It only applies to the GM vehicles with all 8 audio control buttons in one group. It does not apply to the newer GM vehicles with the three button groups such as the 2010-2015 Camaro.

The basic idea is to add resistors to the output of the AccuTach Co. GM Steering Wheel Button Box to emulate some of the resistors in the steering wheel. The re-repurposed buttons will control the OEM audio functions as before. The repurposed buttons will then control only the racing accessories that you want them to control. This application note will show how to wire the AccuTach Co. GM Resistor Box so that the correct buttons will retain their OEM function or the new racing function. One example will be shown at the end of this document.

The installation of the GM Steering Wheel Button Box should be done following the Install Guide. This install guide shows how to re-purpose some of the buttons back to OEM function.

Disclaimer

You use this product at your own risk. AccuTach Co. is not responsible for any damages, injuries or deaths that result from the use or misuse of this product. If you repurpose some of your steering wheel buttons, you must remember it and you must tell anyone else that drives your vehicle that the steering wheel buttons have been repurposed.

Before you start

AccuTach Co. recommends that you use solder and shrink tubing for all wiring connections, but well done crimp connectors will also work. Poor crimp connections could cause the system to not work reliably or at all.

You will need to plan your system by determining which buttons you want to repurpose and which ones you want to leave with OEM functionality. Using the Steering Wheel Button Box Install guide, make a note of the wire colors for each of your buttons.

Installation

First, follow the Steering Wheel Button Box install guide to install and test the installation prior to adding the AccuTach Co. GM Resistor Box to the system.

You will then connect one of the colored wire pair wires for the buttons that you want to re-purpose back to OEM functionality to one of the same colored wire pairs from the AccuTach Co. GM Resistor Box. You will then connect the other colored wires from those same pairs to the OEM signal wire that goes down to the vehicle's audio system.

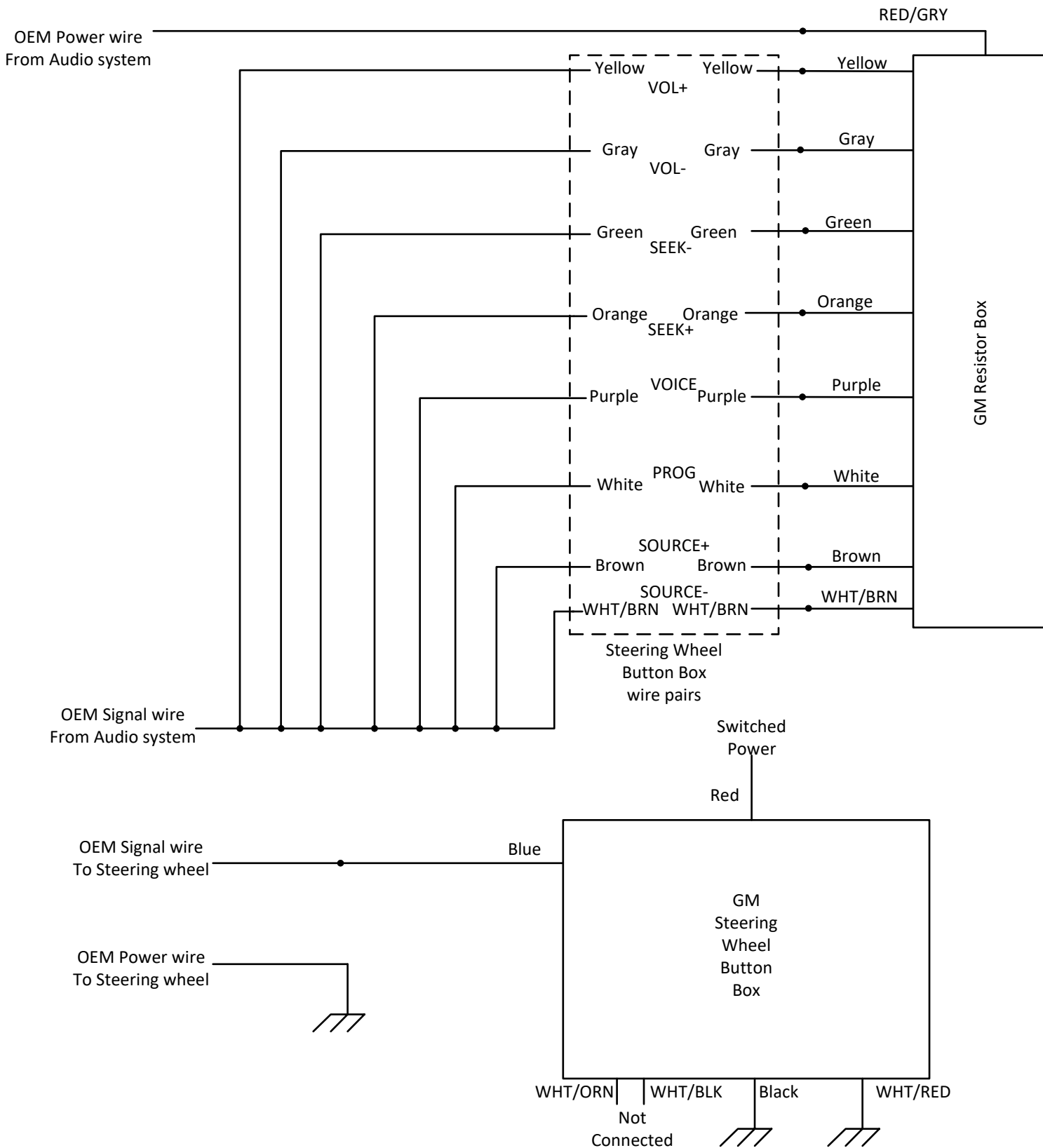
Finally you will need to connect the RED/GRY Resistor Box wire to the OEM power wire that goes down to the vehicle's audio system.

The following pages show the wiring diagram to connect the GM Steering Wheel Button Box wire pairs to the Resistor Box and how to wire the entire system into your vehicle.

Page 2 shows how to re-purpose all 8 buttons back to their original OEM functions. Page 3 shows an example where the left hand buttons in a 2005 GMC Sierra are repurposed to control racing accessories and the right hand buttons are re-repurposed to do the VOL+, VOL-, SEEK+ and SEEK- OEM functions.

Wiring Diagram

Before wiring the system please note the colors of the Power and Signal wires in the steering column for your vehicle. Those wire colors are noted in the GM Steering Wheel Button Box Install Guide.

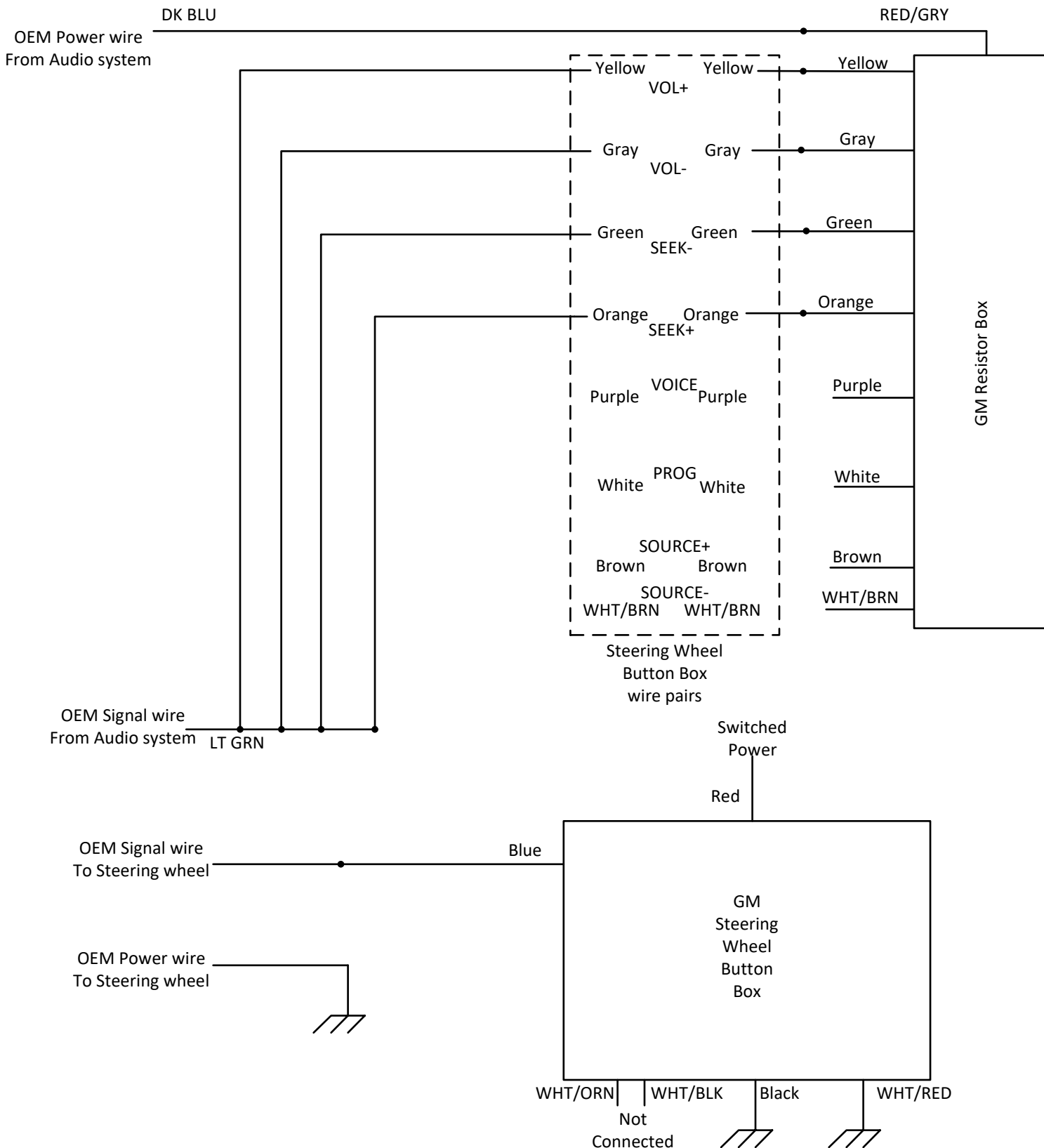


To repurpose any of your buttons, simply don't connect the colored wire pair for each repurposed button to this circuit. Connect those wire pairs to the accessory that you want to control.

The following page shows how to wire this circuit to repurpose only the CALL, PROG and SEEK+ buttons in an installation in a 2005 GMC Sierra.

2002-2006 GMC Sierra Example Wiring Diagram

This diagram shows how to wire the system if you want to repurpose the VOICE, PROG, SOURCE+ and SOURCE- buttons and leave the VOL+, VOL-, SEEK+ and SEEK- buttons with their OEM functions in a 2005 GMC Sierra.



The Purple, White, Brown and WHT/BRN wire pairs can then be wired to control your racing accessories with the VOICE, PROG, SOURCE+ and SOURCE- buttons respectively.