

# TrackBox

## Operation and Installation instructions

2005-08 Corvette

Thank you for purchasing the **TrackBox**! This innovative product will completely eliminate the need for tire pressure sensors to be present in any of the wheels of your vehicle. In addition, it sets your vehicle's default state at start-up to Traction and Active Handling "OFF". These features are intended for off road use only, such as at the race track or drag strip.

Your TrackBox should have come with everything shown in Figure 1 below:



Figure 1

1. TrackBox
2. TrackBox to vehicle wiring harness with OEM mode connector installed
3. Velcro
4. Shrink tubing
5. QR instruction card

## TrackBox Operation

Operation is simple. Once installed, the TrackBox will do two things:

1. Send the “tire pressure acceptable” message to the vehicle body control module (BCM)
2. Set the default state of the Traction Control System (TCS) and Active Handling system (AH) to “OFF”.

The TPMS settings are active at all times when the TrackBox is installed. The TCS/AH setting defaults to “OFF”, but can easily be reactivated by pressing the TCS/AH button on the center console. Pressing the button once reactivates both systems and puts the vehicle back to OEM mode. In OEM mode, the button functions exactly as if the TrackBox were not installed; one press for TCS off, two presses for “Competition mode” and press and hold to return to “TCS and AH off”.

**Important Note:** *when the TrackBox is installed and active, the tire pressures displayed in the vehicle DIC are NOT accurate. They may read values, or “XX”. When driving your vehicle on public roads it is best to remove the TrackBox and return to OEM mode.*

**DISCLAIMER:** Under no circumstances shall Cortex Performance LLC or the distributors of the TrackBox be held liable for claims of any loss or damage, direct or indirect, arising from the sale, installation, or use of the TrackBox. The manufacturer and its distributors will not, nor will they authorize any representative or other individual, to assume obligation or liability in relation to the TrackBox.

**AGREEMENT:** This product is intended for off-road use only. By installing or activating this product, the end user of the TrackBox agrees to use this product in compliance with the instructions and terms of use herein and with all State and Federal laws. Cortex Performance provides specific instructions and safety warnings with respect to this product and its installation, and therefore is absolved of all liability for any use of its product or consequences thereof.

## TrackBox Installation

To ensure proper functionality, we recommend that the TrackBox product is installed by a certified Cortex Performance products dealer or installation shop. The TrackBox must be installed into the vehicle CAN bus between the BCM (Body Control module) and the rest of the vehicle harness. This allows it to communicate directly to the vehicle. The TrackBox must be mounted inside the passenger compartment. It is not designed to be mounted outside the vehicle or in the engine compartment where it can be exposed to high temperatures or the environment.

1. Disconnect the negative battery terminal on the vehicle.
2. Locate the BCM; in the passenger footwell of the vehicle, behind a flap of carpeting under the glove compartment (Figure 2).

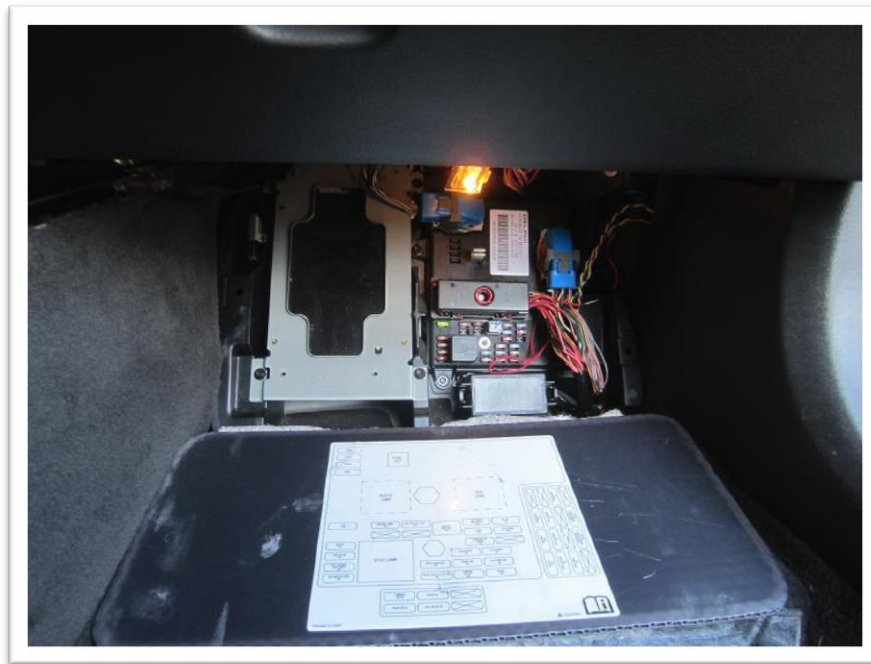


Figure 2

3. While not required, it is easier to access the necessary areas if the plastic rocker panel is removed. This is done by gently pulling the rear end of the panel upward, disengaging each of the clips along its length. Then slide it out from under the dash trim piece along the front door sill. Figure 3 shows the trim piece to be removed and Figure 4 shows its location.



Figure 3



Figure 4

4. There are three connectors and a fuse panel in the BCM. (Figure 5) The wires into which it is necessary to splice are contained in the blue shrouded connector in the upper right hand corner of the BCM (circled).



Figure 5

5. Unplug this connector by rotating the grey clip upward. You may need to pry the middle of it gently with a screwdriver to allow it to release. Remove the blue shroud from the connector to expose the wires.

6. Locate the “tan” and “tan/black stripe” wires from this connector. **Important: There are multiple tan wires in this connector. Make sure that you locate the two wires in location 19 and 20, shown in Figure 6.**

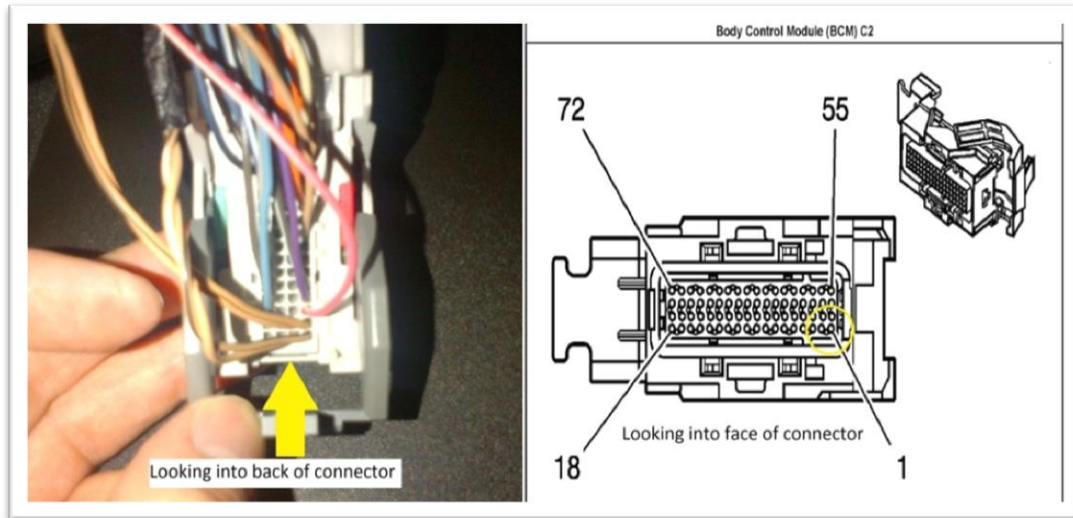


Figure 6

7. Once you have identified these four wires, they must be cut so that the TPMS controller can be installed. Leave yourself a few inches to work with.
8. Cut the included shrink tubing into 6 equal length pieces, each about 1 inch in length. Strip about ½ inch of insulation from the end of each wire and slide a piece of the included shrink tubing over each end.
9. Wires 1 and 2 and wires 3 and 4 on the TrackBox harness are twisted together. Do NOT un-twist them. Connect the TrackBox harness into the vehicle harness as follows:
- Pin 1, Blue - wrap the two tan wires from the BCM connector together and solder together
  - Pin 2, Yellow/Red - wrap the two tan / black wires from the BCM connector together and solder together
  - Pin 3, Blue - wrap the two tan wires from the vehicle body harness together and solder together
  - Pin 4, Yellow/Red - wrap the two tan / black wires from the vehicle body harness together and solder together
  - Pin 5, Black – solder to vehicle ground. There is a convenient ground located under the kick panel near the BCM, shown in Figure 8.
  - Pin 6, Purple - 12V battery source. This wire must have power even when the vehicle ignition is “off”. A convenient power source is located right at the BCM, shown in Figure 7.



Figure 7

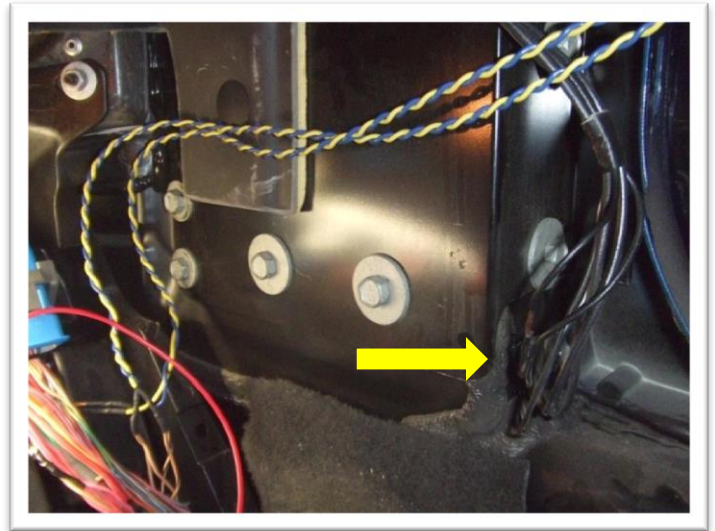


Figure 8

10. Slide the shrink tubing over the solder joint and apply heat via a heat gun to the shrink tubing to shrink it tightly against the wiring.
11. If you removed the OEM mode connector from the TrackBox harness, reinsert it now.
12. Reconnect the negative battery terminal on the vehicle.

**Note: Whenever the TrackBox is not installed this connector should be inserted. Do not discard this connector!**

13. To verify that your wiring is correct, simply start the car. It should start and function as normal with no error messages present (unless there were any pre-existing conditions causing a warning lamp), as shown in Figure 9.



Figure 7

14. Once the wiring has been verified, turn off the vehicle. Remove the OEM mode connector and plug the TrackBox into the newly installed harness.
15. Restart the vehicle. It should start and function as normal, but the “Traction and Active Handling-OFF ” message will show in the DIC as shown in Figure 10 below.



Figure 8

**Note: Proper functionality can be verified by pressing the ESC button, as outlined in the Operation section of this document. Pressing it one time should turn both systems on, and all warnings and lamps should be OFF.**

16. If step 11 and 12 were successful, affix the TrackBox into its permanent location. Using the supplied Velcro, attach one side to the TrackBox and one piece to the vehicle in the location you prefer. Choose a location where the TrackBox will not be disturbed and can get appropriate airflow. One convenient location is under the stereo amplifier just left of the BCM, shown in Figure 11. Also make sure the wires do not rub on anything which could damage the insulation.

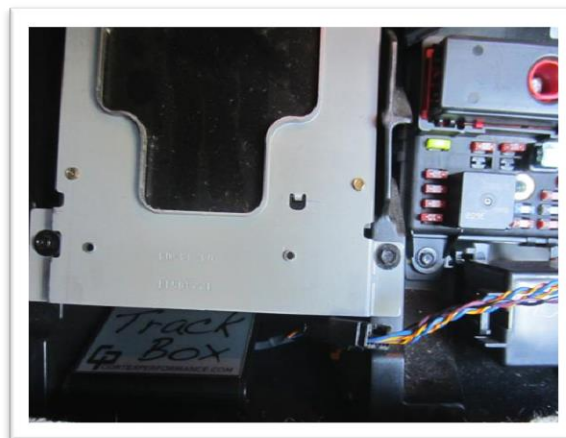


Figure 9