

# Universal Steering Wheel Installation Guide

Applies to all custom steering wheels. Read fully before installation.

## IMPORTANT DISCLAIMER

Professional installation is **strongly recommended**. This document is provided for general guidance only. Improper installation may result in airbag malfunction, vehicle damage, serious injury, or death. By installing or using this product, the installer and vehicle owner assume all responsibility and liability. The manufacturer and seller are not responsible for any damage, injury, or loss resulting from installation or use. You are responsible for performing your own due diligence and ensuring all work is completed safely and correctly.

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## Airbag Information

Approximately 95% of custom steering wheel orders are delivered **without an airbag**. This is completely normal. In most cases, the original (OEM) airbag and airbag cover from your factory steering wheel must be transferred over to the new steering wheel. Only orders that explicitly include a new airbag will arrive with one.

## Buttons & Controls

All factory buttons, switches, and control modules are transferred from the OEM steering wheel to the custom steering wheel unless otherwise specified.

## General Installation Notes

Always disconnect the vehicle battery before removing or installing the steering wheel. After installation, it is normal and recommended to perform a wheel alignment, as steering wheel removal may affect steering angle.

## LED Function Overview (If Equipped)

Steering wheels equipped with LEDs include a Bluetooth OBD module. The OBD module must be plugged into the vehicle's OBD port for the LED to function. If the OBD module is unplugged, the LED will not operate.

## LED Wiring Instructions (Critical)

**Ground (Black Wire):** The most important connection. Must be connected to a solid chassis ground or confirmed ground wire. Poor ground is the most common cause of LED failure.

**Power (Red Wire):** Requires a confirmed 12V power source. Use a voltmeter to identify power within the steering wheel wiring harness. All LED wiring is completed within the steering wheel harness—no fuse box routing is required in most vehicles.

### Rare Power Supply Exception:

In rare cases—typically older vehicles or certain exotic models—a 12V power source may not be available within the steering wheel harness. In these situations, power may need to be sourced through the clock spring and routed to the fuse box. This is uncommon and should only be performed by an experienced professional installer.

## OBD Module Instructions

Plug the Bluetooth OBD module into the vehicle's OBD port after reconnecting the battery. If another OBD device is already installed, an OBD splitter may be used.

## **Battery Reconnection Procedure**

Reconnect the vehicle battery with the OBD module unplugged. Wait approximately 30 seconds, then plug the OBD module into the OBD port. This reduces the risk of voltage spikes affecting the LED system.

## **Heated Steering Wheel (If Retained)**

If heating is retained, the heating wiring will typically be bundled together as four wires (commonly two blue, one black, and one red). These are the heating wires.

To retain heating functionality, the OEM heating connector must be reused. Remove the connector from the original steering wheel and splice the heating wires from the custom steering wheel into the OEM connector accordingly. Some wheels may include a heating connector—if present, no splicing is required.

## **Hands-Off / Driver Monitoring Retention (If Equipped)**

If hands-off or driver monitoring retention is specified, the order will include a separate cable module packaged in a small bag. This module must be installed to retain functionality. If it is not installed, the feature will not operate. No damage will occur.

## **Final Installation Checklist**

- Battery disconnected during installation
- OEM airbag transferred (normal for most orders)
- OEM buttons transferred
- LED ground and power verified (if equipped)
- OBD module plugged in after battery reconnect (if equipped)
- Heating connector spliced or connected (if equipped)
- Hands-off module installed if applicable
- Wheel alignment performed if needed