GM Magnetic Suspension Bypass Kit
Hardware Installation Guide

**Summary:**
Welcome to your Magnetic Suspension Bypass Kit. **Once ALL steps are followed and completed**, your vehicle will have no check engine lights and will impose no speed limiting. Total modules: (8 Full kit, 4 Half kit)

**Full - 4 Shock Simulators and 4 Ride Height Sensor simulators**
**Half - 2 Shock Simulators and 2 Ride Height Sensor simulators**

Bypassing the magnetic shocks **AND** ride height sensors with simulator modules makes the vehicles SCM (suspension control module) think that the vehicle is in a neutral state where no current needs to be applied to any of the (simulated) magnetic shocks.

**Important things to keep in mind:**
Each corner being bypassed will get one ride height sensor (3 PIN) simulator **AND** one shock simulator (2 PIN)

**FULLY SEAT THE CONNECTORS, YOU WILL HEAR A CLICK!**
The connector seals are tight.
Be sure to firmly and completely seat the simulator modules.

Visit our **YouTube Channel** for a **Tutorial** to reference alongside these instructions.

**Instructions:**
The following will show you the exact steps for a successful install. Take your time, this is an easy install that will **improve** your vehicle's performance.

**STEP 1 :**
**Ride Height Position Sensor Simulators Install**
Unplug the ride height sensors from the vehicle harness, **carefully pull out the red tab on connector first**, soaking them with WD-40 or similar will help.
Plug the ride height simulators into the ride height connectors on the vehicle harness.
**Turn the ignition On for 30 secs, Turn Ignition Off.**

(**Highly Recommended for Sierra Trucks**) **Shops/Dealers: Ride Height Trim Procedure;** IF you have a scan tool (Autel, Launch, SnapOn, GM MDI2, etc) that can perform a Ride Height Trim Procedure, you can do that now. This will ZERO out the voltages stored in the SCM with the values of the RHS Simulators.
STEP 2 : Shock Simulators Install
Unplug the stock shocks from the vehicle harness, **pull out gray tab on connector first**. Plug the shock simulators into the shock connectors on the vehicle harness.

**Final Check - Turn the ignition ON or START the vehicle**
Verify there are no "Service Suspension" messages on the driver information center. If so, it may take a few ignition/drive cycles to clear them. Or use a scan tool to clear the codes from the SCM (Suspension Control Module) or disconnect the battery for 30 minutes to clear them manually.

**NOTE:** To retain Auto Level Air in the rear with nonmagnetic air shocks, leave the rear ride height sensors connected, Do not bypass them or the Auto Level will not function.