



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.

