



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.

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.

(Optional) 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.

