



GM Magnetic Suspension Bypass Kit Hardware Installation Guide

Summary:

All modules (8 Full kit, 4 half kit) MUST be installed for the kit to function correctly. The vehicle will not throw any check engine lights or impose any speed limiters.

Half - 2 Shock Simulators and 2 Ride Height Sensor simulators

Full - 4 Shock Simulators and 4 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.

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.

FIRST: 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.

Shops/Dealers: Ride Height Trim Procedure (optional)

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.

NEXT: 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.

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.