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## GM Magnetic Suspension Bypass Kit

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### OBD/SS

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### Hardware Installation Guide

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#### **If You Are ONLY Removing *Front Struts*:**

- > Keep all Ride Height Sensors connected
- > Plug RAP connector (blue tab) into port behind IECM Cover (See Back)
- > Plug OBDII connector into port (See Back)

#### **If You Are ONLY Removing *Rear Shocks*:**

- > Keep all Ride Height Sensors connected
- > Plug RAP connector (blue tab) into port behind IECM Cover (See Back)
- > Plug OBDII connector into port (See Back)
- > Reroute Air Lines for Auto Leveling Air to operate correctly (See Back)

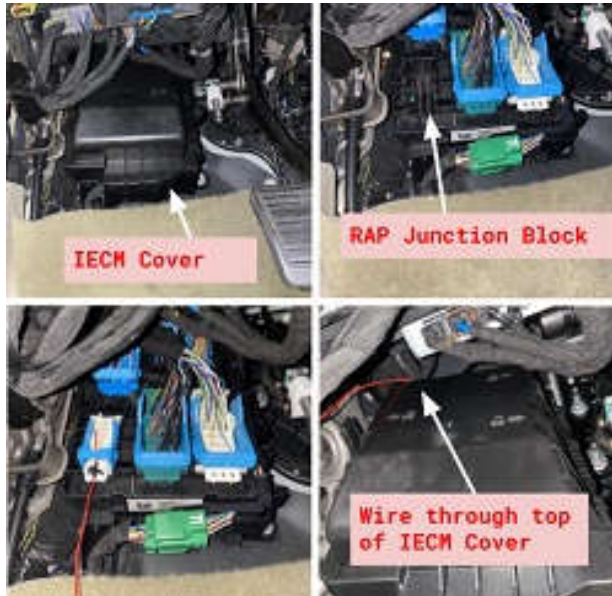
*Note: If you are keeping Auto Leveling via a non-magneride air shock, you can skip this step*

#### **If You Are Removing *BOTH Front Struts & Rear Shocks*:**

- > Keep all Ride Height Sensors connected
- > Plug RAP connector (blue tab) into port behind IECM Cover (See Back)
- > Plug OBDII connector into port (See Back)
- > Reroute Air Lines for Auto Leveling Air to operate correctly (See Back)

*Note: If you are keeping Auto Leveling via a non-magneride air shock, you can skip this step*

Any questions or clarifications, please contact us at (407) 542-4848 or  
[support@xineering.com](mailto:support@xineering.com)



### **RAP Location/Install:**

Remove the IECM Cover located in the LH foot well. There will be three locking clips located on the Cover; two on the right and one on the left. Here we will expose the open Junction Block and plug in the RAP Junction Block Connector from your kit. With the blue locking mechanism in the up position, insert the connector, allowing the locking mechanism to close as the connector seats. Run the red wire upwards and replace the IECM Cover.

### **OBDII Location/Install:**

Plug the OBDII Connector into your vehicle. Key on the vehicle and verify the OBD/SS module is on via it's red LED. From here you may tuck the OBD/SS module away from any moving parts, under your dash.

### **Automatic Level Control Bypass:**



1. Be sure the Ignition power is OFF
2. Locate the 'T' fitting clipped to the inside of the compressor mounting bracket, push the tab from the outside so you can get the 'T' free.  
The compressor mounting bracket is located on the drivers side behind the rear quarter panel, almost directly below the fuel fill up.
3. Disconnect the 90 fitting going To the Passenger rear shock from the 'T'.
4. Disconnect the 90 fitting from the drivers side rear shock and plug it into the open spot on the 'T'.