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By installing our product, you agree to the above terms.

## Sierra 1500 Magneride Delete Installation Instructions

Note: Please use factory torque specifications for the installation of all components listed below. It is your responsibility to ensure that the fasteners are torqued correctly. Please read the instructions completely before beginning and ensure that you follow the directions below. It is important to fully understand the process before beginning. This instruction sheet contains all the information you will need for a successful install.

Safely suspend the truck on the frame at all four corners, allowing the suspension to hang freely. Remove the wheels. Unplug the magneride shocks on all four corners by gently pulling on the grey tab and depressing the locking tab. Soaking these connectors in WD40 will help to prevent damage to the connector. To clarify, you are unplugging the wires that lead into the shock itself. **Please leave the ride height sensors in place as these are required for the bypass module to operate.**

Begin on the front by cleaning up the threads on the upper strut mount bolts, the lower strut mount bolts, and the upper balljoint threads. Remove the nuts that fasten each of these. You will need to remove the small bolt on the bracket holding the ABS sensor wire to the upper control arm. Remove the nut retaining the sway bar end link and set the end link assembly aside. You can try to slip the bottom of the strut inwards and pull the top of the strut through the upper control arm. If you cannot get enough clearance, you may need to separate the balljoint from the knuckle. This can be done with a small puller or by striking the knuckle with a hammer (do this at your own risk).

You will now have enough clearance to slip the bottom of the strut inwards and you can remove the strut through the upper control arm. Place the new loaded magdelete strut in place of the old strut. The new strut will be longer than the old assembly – this is normal. If your kit includes a triangle shaped spacer on top of the strut, this is installed between the upper mount and the frame. If your kit does not include this piece, please ignore the previous sentence.



Reassemble in reverse order and ensure that all fasteners are torqued to specification. The front should now be complete. Move to the rear of the vehicle and clean the threads for the upper and lower shocks bolts on both sides. You may remove these bolts.

**+1" REAR ONLY:** If you've purchased the +1" rear height upgrade, lift the truck in a manner that you can safely remove the u-bolts and drop the differential to remove the factory blocks. You will notice that the ride height sensor bracket slips between the factory block and the leaf spring – there are two tabs that engage the bracket into the blocks. You may bend these tabs upwards so that they sit flat between the new block and the leaf spring. The new block goes with the thinner part towards the front of the vehicle. Reassemble in reverse order and torque the u-bolts per manufacturer specifications

Replace the magneride shocks with the shocks that came in your magdelete kit. If you are unsure of which direction the shock mounts in, please keep in mind that the sticker should always be readable once installed. If the sticker is upside down, so is the shock. We recommend installing the boot upwards to keep it away from road debris as it is the most vulnerable part of the shock. Torque the shock bolts to manufacturer specification. Ensure that all fasteners have been tightened. You may now reinstall the wheels and place the truck back on its own weight. Torque the wheels to manufacturer specifications. Hint: If you're worried about the magneride connectors on the vehicle side, you can make your own "dummy plugs" by cutting the connector off of the old shocks right where the wire enters the connector. Pack the wire ends with some gasket maker or silicone, then plug them back into the vehicles harness for a water tight connection.

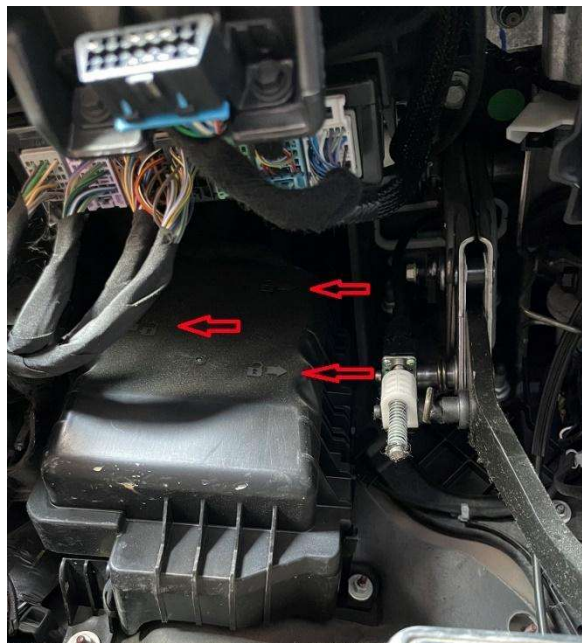
## Magdelete.com Bypass Module Instructions

Remove the two screws holding the OBD port to the dash. Plug the OBD port you just removed from the dash into the corresponding connector on the bypass module. You may attach the new OBD port (on the module) to the dash, using the same screws that you previously removed.



Remove the IECM cover, this is located under the dash on the drivers side, near the left hand foot well. Remove locking clips on the IECM cover (red arrows below).

Plug the white connector from the bypass module into the port in the lower left hand corner of the IECM (ensure that the blue lever is in the upwards position as you plug in the connector). Close the blue locking lever as you seat the connector.



Check the IECM cover and identify the location in the top left corner where the wire can be routed as the cover is installed. Route the red wire up to the top left corner and install the IECM cover.



Note that all ride height sensors must remain connected. Turn the ignition on and start the vehicle. Verify that there are no suspension warning messages on the dash.

**I still have a warning message on the dash!??** – The most common reason for this is a blown fuse on the 12V+ feed to the module (the red wire that you plugged into the RAP connector). To verify - once the battery is connected and the key is turned to the run position, there should be lights illuminated on the circuit board inside of the bypass box (you can remove the cover to verify). If no lights are illuminated, this means that the module is missing either 12V+ or negative which would require you to diagnose the reason for this (usually a blown fuse). Check the RAP retained accessory power fuse which can be located using your owners manual. Use a test light or a multimeter to diagnose. If you see LED's illuminated on the circuit board, then you know that the module is functioning correctly.

If you have power to the module and a warning message is still present, then you have one or more unrelated issues that are causing the suspension warning message. The module suppresses all four shock actuator codes (C0575, C0580, C0585, and C0590) which normally occur when the shock electrical connectors are unplugged. The module does not suppress or alter any other DTC. The most common issue that can cause a suspension warning message is ride height sensors that are not sending a valid signal to the SCM. You can diagnose these by reading codes from the SCM using an appropriate scan tool. You can use active data on the scan tool to check the voltage for each ride height sensor. All ride height sensors should be between 2.2V and 2.8V, otherwise there's an issue with the sensor. Proceed with a wheel alignment. Enjoy your new, problem free suspension system! If you have any questions, please use the contact form on our website.