

PRO RYDE SUSPENSION SYSTEMS

EXACTLY THE WAY YOU WANT IT.™

PRO RYDE ADJUSTABLE FRONT LIFT KIT INSTALLATION

2007-2019 GM 1500 TRUCK & SUV 2WD/4WD/AWD

GMT900 & K2XX ONLY - WILL NOT WORK ON T1XX (2019 NEW BODY STYLE)

PATENTED

IMPORTANT!

Read **ALL WARNINGS** and information contained in these instructions **PRIOR** to installing this product. **Vehicle Owner MUST** be provided the **IMPORTANT VEHICLE OWNER'S INFORMATION** section of these instructions after installation of this product.

Bill of Materials

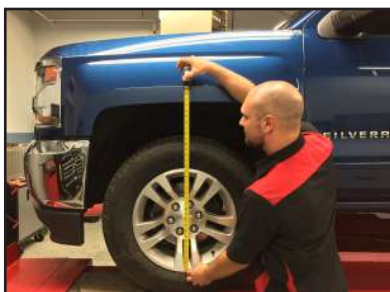
- (1) Installation Instructions & Warnings
- (2) 0.5" Steel Upper Strut Spacers
- (1) 2-Piece LH Aluminum Lower Strut Spacers
- (1) 2-Piece RH Aluminum Lower Strut Spacers
- (4) 90mm 10.9 Grade Replacement Bolts & Hdwr.
- (6) M10-1.5 Nylock Upper Strut Replacement Nuts
- (2) Magnaride Relocation Brackets & Hdwr.



ALWAYS WEAR PROPER EYE PROTECTION & USE TOOLS SPECIFIC TO THE JOB!

STEP 1: On a flat, level surface, MEASURE pre-installation ride height, FRONT & REAR, and write down measurements.

Front (L) _____
 Front (R) _____
 Rear (L) _____
 Rear (R) _____



STEP 2: If installing kit on Magnaride equipped vehicle, note OEM resting position of Magnaride height sensor **BEFORE RAISING VEHICLE**. Using a paint marker, place a straight line across sensor body and cap. If not equipped skip to **Step 3**.



STEP 3: Position vehicle on a stable, flat surface or automotive lift.

Suspend front wheels, lifting by the frame. Secure with jack stands & wheel chocks. Be sure engine is turned OFF and vehicle is in PARK.



STEP 4: Remove front wheels. Support lower control arm & spindle assemblies with jack or jack stand.



STEP 5: Disconnect ABS/vacuum line brackets from upper control arm to allow slack.



STEP 6: Determine amount of lift.

0.75" LIFT: Install thin Aluminum Lower Strut Spacer only.



1.00" LIFT: Install Upper Strut Spacer only.



1.50" LIFT: Install thick Aluminum Lower Strut Spacer only.



1.75" LIFT: Install Upper Strut Spacer and thin Aluminum Lower Strut Spacer.



2.00" LIFT: Install Both Interlocking Aluminum Lower Strut Spacers together.



2.50" LIFT: Install Upper Strut Spacer and thick Aluminum Lower Strut Spacer.



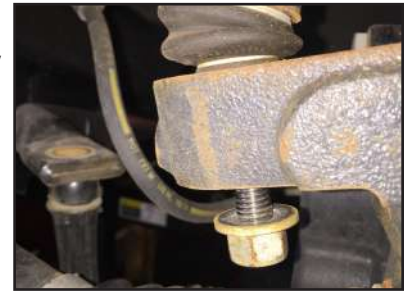
3.00" LIFT: Install Both Upper Strut Spacer and Both Interlocking Aluminum Lower Spacers together.



STEP 7: Disconnect sway bar links at the lower control arm.



STEP 8: Loosen, but **don't completely remove**, upper ball joint & outer tie rod nuts. Leave both nuts finger tight.



*****BE SURE BRAKE LINES HAVE ADEQUATE SLACK, AND TO PROPERLY SUPPORT BRAKE & SPINDLE ASSEMBLY!*****

STEP 9: With stud nuts still installed, separate upper ball joints & outer tie rods from their tapers, using a hammer as shown.



STEP 10: Using a pry bar put pressure on upper control arm by inserting pry bar end under spring. Push down and remove ball joint nut. **SLOWLY** release pressure on pry bar until upper control arm is free.



STEP 11: Disconnect & remove lower strut mounting bolts.



STEP 12: Supporting the strut assembly, remove the three upper strut mounting fasteners.



STEP 13: Remove the OE strut assembly. If installing Aluminum Lower Strut Spacers remove both clips from bottom of strut. Discard clips and OEM bolts.



STEP 14: Install new steel upper strut spacers over OEM upper strut mount studs.



STEP 15: Reinstall Strut Assembly.



STEP 16: Secure strut to the upper strut tower using new low-profile M10-1.5 Nylok nuts included with this kit. Torque to manufacturer's specifications.



STEP 17: Install Aluminum Lower Strut Spacer(s). Make sure the 'L' goes on Drivers side and 'R' goes on Passenger side. Also make sure slotted hole is placed under axle shaft.



STEP 18: Using bolts and nuts provided with the kit, insert bolts down and tighten nuts from below to OEM specifications. **DO NOT OVER-TIGHTEN!**



STEP 19: Reconnect upper ball joint nut & outer tie rod nut. Use a pry bar to put pressure on upper control arm. If necessary raise jack below lower control arm.



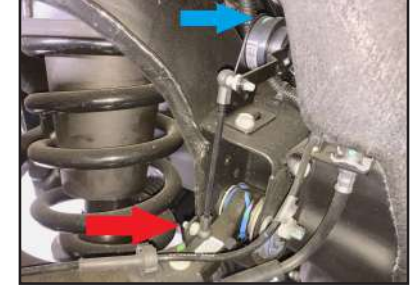
STEP 20: Reconnect sway bar link.



STEP 21: Reconnect ABS/Vacuum line brackets that were disconnected in **Step 5**.

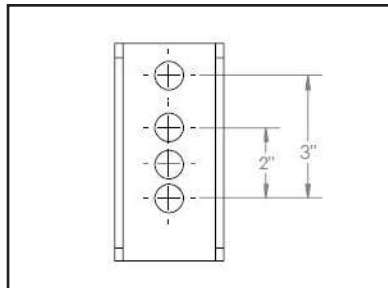


STEP 22: If Magnaride equipped; Install Sensor relocation bracket to OEM bracket, noted with **RED** arrow. Snug supplied bolt and washer in lowest hole. Attach sensor lever stud to desired upper hole and snug using supplied nylock nut.



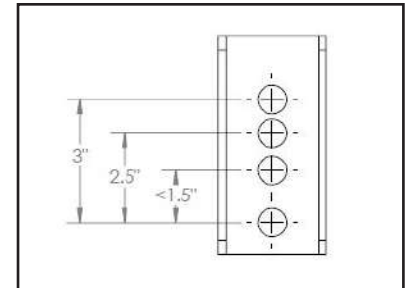
Magnaride Bracket Orientation 1:

Use this side for 2" or 3" settings. For .75", 1" and 1.75" lift heights use whichever hole will align white mark the closest, made in **Step 2**, noted with **BLUE** arrow.



Magnaride bracket Orientation 2:

Rotate bracket 180 degrees for 1.5", 2.5" or 3" settings. For .75", 1" and 1.75" lift heights use whichever hole will align white mark the closest, made in **Step 2**, noted with **BLUE** arrow.



STEP 23: Reinstall tire/wheel assemblies, and check **ALL** suspension components and lug nuts have been properly torqued to manufacturer's specifications.



STEP 24: Lower the vehicle, jounce suspension and measure ride height of EACH SIDE of the vehicle. Measure from the bottom of the wheel/rim to the lip of the fender.



STEP 25: ADJUSTING FRONT RIDE HEIGHT AFTER INSTALLATION.

- 1) Lift vehicle by the frame, allowing wheels to hang freely. Secure using jack stands & wheel chocks.
- 2) Loosen upper ball joint stud nut, without completely removing. Break taper between ball joint and knuckle.
- 3) Loosen Outer Tie Rod End nut, without completely removing, then break taper.
- 4) Disconnect Sway Bar Link from lower control arm.
- 5) LOOSEN Lower Shock bolt on SLOTTED end of U-shaped Lower Strut Spacer & REMOVE Lower Shock bolt on the NON-SLOTTED end. This will allow adjustments without moving CV driveshaft assembly and other suspension components.**
- 6) Install or remove U-shaped Lower Strut Spacers to achieve desired right height changes.
- 7) Tighten Lower Shock Bolts to OEM specifications.
- 8) Reconnect Upper Ball Joint-to-knuckle, Outer Tie Rod End & Sway Bar Links.
- 9) Readjust Magnaride Relocation Bracket if equipped.



LOWER THE VEHICLE, JOUNCE SUSPENSION, AND MEASURE RIDE HEIGHT. BE SURE VEHICLE IS LEVEL FROM SIDE-TO-SIDE AND AT THE DESIRED RIDE HEIGHT, MAKING ADDITIONAL ADJUSTMENTS AS REQUIRED. **IMPORTANT! Check all fasteners for proper torque. Check to insure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.**

STEP 26: Perform a complete wheel alignment, utilizing a Certified Alignment Technician with experience working on lifted vehicles.



STEP 27: ADJUST HEADLIGHTS to accommodate new front ride height position

Before:



After:



Complete a full 4-corner lift and install a ProRYDE SuperBLOK ADJUSTABLE rear Lift Kit!



75-1050G-1119

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Adjusting Lift/Leveling kit after installation

Always wear proper eye protection! Position vehicle on a stable, flat surface and SUSPEND FRONT WHEELS, lifting by the frame with a floor jack or lift jack. Secure frame with jack stands. Chock tires and turn engine OFF prior to adjustment!

- 1) Loosen upper ball joint stud nut, without completely removing. Break taper between ball joint and knuckle.
- 2) Loosen Outer Tie Rod End nut, without completely removing, then break taper.
- 3) Disconnect Sway Bar Link from lower control arm.
- 4) **LOOSEN Lower Shock bolt on SLOTTED end of U-shaped Lower Strut Spacer & REMOVE Lower Shock bolt on the NON-SLOTTED end. This will allow adjustments without moving CV driveshaft assembly and other suspension components.**
- 5) Install or remove U-shaped Lower Strut Spacers to achieve desired ride height changes.
- 6) Tighten Lower Shock Bolts to OEM specifications.
- 7) Reconnect Upper Ball Joint-to-knuckle, Outer Tie Rod End & Sway Bar Links.
- 8) Readjust Magnaride Relocation Bracket if equipped.

LOWER THE VEHICLE, JOUNCE SUSPENSION, AND MEASURE RIDE HEIGHT. BE SURE VEHICLE IS LEVEL FROM SIDE-TO-SIDE AND AT THE DESIRED RIDE HEIGHT, MAKING ADDITIONAL ADJUSTMENTS AS REQUIRED. **RETORQUE ALL FASTENERS TO OEM SPECIFICATIONS!**

Under no circumstances should this product be altered to adjust ride height beyond its design limits. Remember! Any change to ride height will affect vehicle's Wheel Alignment and Handling! Always realign the vehicle any time ride height is adjusted, and be sure to adjust headlights as necessary.

WARNING

This product should only be installed and adjusted by an ASE certified professional mechanic with proper tools and safety equipment.

Installation of this product modifies vehicle ride height. The driver of this vehicle should avoid unnecessary or abrupt maneuvers, sharp turns and other driving conditions that could lead to rollover or other serious accident. This product will affect vehicle center of gravity resulting in less than the original OE stability characteristics.

The manufacturer of this product releases itself from any liability or consequence, inclusive but not limited to personal injury, failure of components or damage to vehicle or person as a result of installing this product.

Warranties may be declined for any parts installed by any person other than an ASE certified professional. No warranty will be made for any other OEM or aftermarket components that may be affected by the installation of this product either in use or during installation. This kit is intended for use on stock suspensions WITHOUT any previous modifications whatsoever. Installation of this kit in conjunction with other aftermarket products will be done at vehicle owner's own risk, and voids any and all warranties.

Installation of this part MAY limit or void some vehicle manufacturer's warranties!

ALWAYS DRIVE SAFELY, REDUCE SPEED, AND WEAR YOUR SEAT BELT.

LIMITED LIFETIME WARRANTY

This product is warranted to be free of defects in materials and workmanship to the original purchaser on the vehicle in which it is originally installed. This warranty does not cover loss of time, labor, or any other components as a result of damage. This warranty may be void if this product is installed by any person other than an ASE certified professional.