

PRO RYDE

SUSPENSION SYSTEMS
EXACTLY THE WAY YOU WANT IT.

PRO RYDE ADJUSTABLE UPPER COIL SPRING FRONT LIFT KIT INSTALLATION

RAM 25/3500

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) 3-Piece Patented Adjustable Upper Coil Spacers
- (2) Extended Pass-thru Jam Nuts
- (2) Nylon Weather & Tear-resistant POM Plates
- (2) Large Lock Washers
- (2) Shock Extenders & Hardware
- (2) 8mm Press-Fit Studs
- (2) 6mm Press-Fit Studs



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

THIS PRODUCT HAS BEEN FACTORY PRE-TREATED WITH MARINE GRADE ANTI-SEIZE COMPOUND. NO LUBRICATION OF THE LARGE ADJUSTER THREADS IS NECESSARY PRIOR TO INSTALLATION.

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: 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 3: Remove front wheels, then disconnect lower sway bar links.



STEP 4: Disconnect ABS/brake line brackets to allow slack.

Tip: It MAY be helpful to disconnect track bar @ frame.



STEP 5: Supporting the front axle, disconnect lower shock mounts. Save OE fasteners for use in Step 11.



STEP 6: Utilizing spring clamps will simplify removal & reinstallation of coil springs.



STEP 7: CAREFULLY lower front axle, then remove OE coil springs.



STEP 8: Remove OE rubber upper coil spring insulator, and save for reinstallation in step 10.



STEP 9: Inspect upper spring seat on each side of vehicle, and install 6mm & 8mm press-fit studs into new adjustable upper lift kit where a visible mating hole exists. These studs may be secured with included fasteners, but is not mandatory. Studs will provide a stable base for making ride height adjustments.



STEP 10: Install new adjustable upper lift kit in its lowest adjustment height, along with the OE coil spring and rubber upper coil spring insulator (removed in Step 8).



The nipple on the rubber insulator mates with an orientation hole on the new spacer being installed.

STEP 11: Install lower shock extenders. Use OE lower shock bolt to fasten extender to frame, and new fasteners included with this kit to fasten shock to extender, as shown. Torque to OE specifications.



STEP 12: Remove spring clamps, reconnect lower sway bar links, and reconnect track bar if disconnected in Step 4. Torque all fasteners to OE specifications.



STEP 13: Refer to original ride height measurements from Step 1. With weight off front wheels, make desired front ride height adjustments by engaging the 1/2" adjustment drive thru the coil. The actual thickness of the adjusted upper lift kit will equal the amount of front lift.



STEP 14: The 1/2" adjustment drive can be accessed THROUGH the pass-thru Jam Nut (shown out of the vehicle @ right for demonstration only).



IMPORTANT! Secure the adjusted ride height by firmly tightening the extended pass-thru Jam Nut, as shown.

STEP 15: Reconnect ABS/ Vacuum line brackets disconnected in Step 4.

STEP 16: Reinstall tire/wheel assemblies, and check that ALL suspension components and lug nuts have been properly torqued to manufacturer's specs.

STEP 17: Lower the vehicle, jounce suspension and measure ride height of EACH SIDE of the vehicle, front & rear. Measure from the bottom of the wheel/rim to the lip of the fender.

STEP 18: ADDITIONAL FRONT RIDE HEIGHT ADJUSTMENTS

1) 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!**

(2) Loosen the Extended Jam Nut within the coil spring SEVERAL complete turns.

(3) Using a 1/2" ratchet, engage the 1/2" Threaded Adjuster thru the coil spring and through the Extended Jam Nut.

Turn COUNTER-CLOCKWISE to INCREASE ride height, and CLOCKWISE to DECREASE ride height.

(4) Be sure vehicle is LEVEL from side-to-side and at the desired ride height, making adjustments as required. Re-torque all fasteners to OEM specifications. **Be sure to retighten the Extended Jam Nut to properly secure adjustment!**

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



After:



STEP 20: ADJUST HEADLIGHTS to accommodate new front ride height position.

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

IMPORTANT VEHICLE OWNER'S INFORMATION

RAM HD 2500/3500

Patented

Adjusting Lift/Leveling kit after installation

(1) 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!

(2) Loosen the Extended Jam Nut within the coil spring SEVERAL complete turns.

(3) Using a 1/2" ratchet, engage the 1/2" Threaded Adjuster thru the coil spring and through the Extended Jam Nut. **Turn COUNTER-CLOCKWISE to INCREASE ride height, and CLOCKWISE to DECREASE ride height.**

(4) Be sure vehicle is LEVEL from side-to-side and at the desired ride height, making adjustments as required. Re-torque all fasteners to OEM specifications. **Be sure to retighten the Extended Jam Nut to properly secure adjustment!**

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.

Minimum Ride Height Change: 1.5" (at wheel well)

Maximum Ride Height Change: 2.5" (at wheel well)

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.

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