

# MULTI-ADJUSTABLE FRONT LIFT/LEVELING KIT INSTALLATION

DODGE 1500/2500/3500 4WD

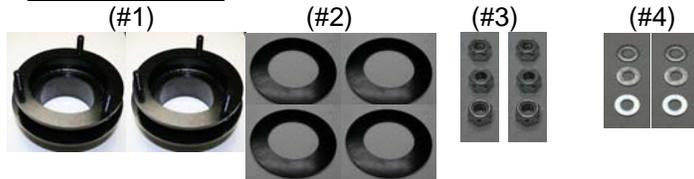
(1.5", 1.75" or 2.0" Front Lift)

## 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) 1.5" Upper Coil Spring Spacers (Ill. #1)
- (4) 0.25" Adjustment Spacers (Ill. #2)
- (6) 10.9 Grade Lock Nuts (Ill. #3)
- (6) Flat Washers (Ill. #4)



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

**Step 1:** Measure ORIGINAL ride height. Take a measurement from the wheel/rim to the lip of the fender on **each side** of the vehicle, front & rear. Write down measurements to help in determining ride height for new kit being installed in step 14. **Make special note of any differences in side-to-side front ride height.**

**TIP!** Using Spring Clamps to keep springs slightly compressed will greatly aid in the removal & reinstallation of Coil Springs. (Figure A)



(Figure A)

**Step 2:** Position vehicle on a flat surface or automotive lift. Suspend front wheels, lifting by the frame with a floor jack or lift jack. Secure using jack stands and wheel chocks. Be sure engine is turned OFF and vehicle is in PARK. **Mark wheel lug location and remove tire/wheel assemblies.**

**Step 3:** Support each knuckle with suitable bottle jack or floor jack. (Figure B)



(Figure B)

**Step 4:** Disconnect passenger's & driver's side sway bar links, as shown. (Figure C)

**Step 5:** Disconnect the track bar at the passenger's side anchor point, as shown. (Figure D)

**Step 6:** Disconnect the passenger's side tie rod from the knuckle. This will allow access to lower shock mount in step 9. (Figure E)

**Step 7:** Place an index mark on each coil spring and their original position in the lower coil pocket for proper repositioning after kit installation.

**Step 8:** Locate the upper shock mounts in the engine compartment (under the hood), and remove the upper shock hardware. **THEN**, remove the 3 nuts from the upper shock mounts on each side of the vehicle. (Figure F)

**Step 9:** Remove the lower shock mounting bolts from each side of the vehicle.

**Step 10:** Remove shocks from both sides of vehicle up through the engine compartment, and remove the original metal rings with 3 bolts. The new Upper Coil Spring Spacers will replace the OE metal rings and become the new upper spring mounts. (Figure G)



(Figure C)

**Step 11:** If required, unbolt brake hose/line mounting bracket to allow slack.

**CAUTION!** CAREFULLY and SLOWLY lower the jack supporting each knuckle/axle!

**Step 12:** Remove the stock coils from both sides of the vehicle, and remove rubber OE coil insulators. **Retain rubber insulators for reinstallation in step 15. (Figure H)**

**Step 13:** Install the new 1.5" Upper Coil Spring Spacers, loosely bolting and finger tightening into the coil towers.

**Step 14:** Based on your ORIGINAL ride height measurements from step 1, installing the new 1.5" Upper Coil Spring Spacers alone will result in a 1.5" lift. **Install up to 2 ADDITIONAL 0.25" Adjustment Spacers per side. Each additional 0.25" Adjustment Spacer will result in an increase of 0.25" of lift.** You may place an uneven number of Adjustment Spacers on each side to achieve desired ride height or to correct for uneven side-to-side leveling issues, not to exceed 2 Adjustment Spacers in addition to each 1.5" Upper Coil Spacer.

**Step 15:** Place the OE rubber coil insulators onto the new Upper Coil Spring Spacers AFTER installing any additional 0.25" Adjustment Spacers, and reinstall the OE coil springs, making sure to index to their original position noted in step 5. **(Figure I)**

**Step 16:** Slowly raise the bottle or floor jacks to raise the knuckle/axle equally on BOTH sides of vehicle to properly position coil springs into position in the coil towers. **USE CAUTION as vehicle may lift higher than safety stands due to the new suspension height!**

**Step 17:** Reinstall shock absorbers through the underhood and down through each coil spring. Then, reinstall shock tower, adding the new 3 new Flat Washers and properly torquing the new 10.9 Grade Upper Spring Nuts to OE specifications. Reinstall OE lower shock bolt & nut, tightening to OE specifications on both sides of vehicle.

**Step 18:** Reconnect Track Bar at passenger's side anchor point. The use of a pry bar may assist in connecting components. Torque to OE specifications. **(Figure J)**

**Step 19:** Reconnect both Sway Bar Links & the Tie Rod at passenger's side knuckle. Torque all fasteners to OE specifications.

**Step 20:** If disconnected in step 11, reconnect brake hose/line bracket.

**Step 21:** If installed, CAREFULLY remove Spring Clamps.

**Step 22:** Reinstall front wheels in original marked wheel lug locations from step 2.

**Step 23:** Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.

**Step 24:** **PERFORM A COMPLETE WHEEL ALIGNMENT**, utilizing a Certified Alignment Technician with experience working on lifted vehicles.

**Step 25:** **ADJUST HEADLIGHTS** to accommodate new front ride height position.



(Figure D)



(Figure E)



(Figure F)



(Figure G)



(Figure H)



(Figure I)



(Figure J)

## IMPORTANT VEHICLE OWNER'S INFORMATION

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### WARNING

**This product should only be installed 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.