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**2006-2008
Dodge 1500 4x4
2" - 3" Performance Strut
Installation Instructions**

REQUIRED TOOL LIST:

- Spring Compressor
- Metric/Standard Wrenches & Sockets
- Floor Jack
- Jack Stands
- Measuring Tape
- Torque Wrench



Before beginning the installation, read these instructions and the enclosed driver's WARNING NOTICE thoroughly and completely. Also affix the WARNING decal in passenger compartment in clear view of all occupants. If any of these items are missing from this instruction packet, do not proceed with installation, but call SKYJACKER® to obtain needed items. If you have any questions or reservations about installing this lift kit, call SKYJACKER® at 318-388-0816 for Technical Assistance or Customer Service departments.

Make sure you park the vehicle on a level concrete or asphalt surface. Many times a vehicle is uneven (side-to-side) from the factory, but usually not noticed until a lift kit has been installed which makes the difference more visible. Using a measuring tape, measure the front and rear (both sides) from the ground up to the center of the fender opening above the axle. Record below for future reference.

Driver Side Front: _____

Passenger Side Front: _____

Driver Side Rear: _____

Passenger Side Rear: _____

IMPORTANT NOTES:

- Please refer to Parts List to insure that all parts and hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact your dealer as soon as possible.
- If larger tires (10% more than stock diameter) are installed, speedometer recalibration is necessary (see Dodge dealer or Tire Store).
- This lift is determined from the front while only lifting the rear to a position level with the front.
- After installation, a qualified alignment facility is required to align the vehicle to factory specs.

Front Installation:

1. Secure and properly block the tires of vehicle on a level concrete or asphalt surface.
2. Raise the vehicle from the front center cross member and remove tires and wheels. (See Photo #1)
3. Disconnect outer tie rod from steering knuckle using a 21mm socket. It may be necessary to strike the side of the knuckle to dislodge the tie rod end. Be careful not to damage the tie rod end itself. (See Photo #2) Disconnect Sway bar end links using a 15mm socket. (See Photo #3)
4. Disconnect the Upper A-Arm ball joint from the top of the steering knuckle using a 21mm socket.
5. Disconnect the lower strut mount from the lower A-Arm.
6. Remove the upper three strut mounting bolts from the upper frame mount using a 15mm wrench. (See Photo #4).
7. Using a spring compressor, unload the tension on the upper mount of the factory coil assembly. Remove the upper shock retaining nut using socket. Slide shock out from the bottom. (See Photo #5).
8. Remove the upper end cap from the factory shock. It can easily be tapped off with a rubber mallet. (See Photo #6). With end cap removed, remove the lower coil seat from the shock. (See Photo #7).

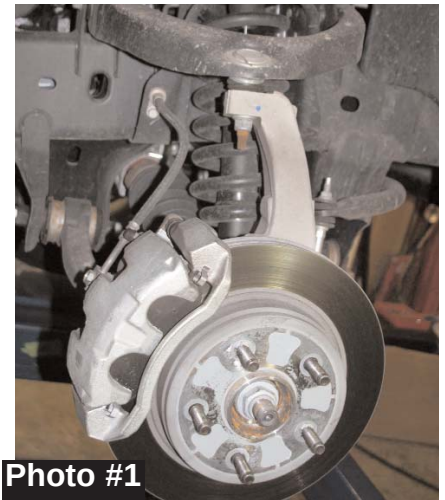


Photo #1



Photo #2



Photo #3



Photo #4



Photo #5



Photo #6



Photo #7

9. **Note:** The new Skyjacker Struts have 3 grooves on the strut body for different lift heights. The bottom groove will yield roughly 1 7/8" lift. The middle groove will yield roughly 2 3/8" lift. The top ring is only to be used when additional weight has been added to the front of the vehicle, such as winch, bumpers, etc.
10. Move snap ring on Skyjacker Strut to the desired location. Install factory coil seat onto the new Strut. It may be necessary to tap these on due to a tight fit. With new bump stop installed on shock, place the coil and upper hat onto strut assembly. (See Photo #8) Load in strut compressor and install upper nut.
11. Install new Strut assembly into vehicle. Attach to factory frame mount using factory nuts. (See Photo #9)
12. Attach to lower A-Arm using factory bolt and nut. Torque to factory specs.
13. Attach outer tie rod to steering knuckle. Reattach upper A-Arm to steering knuckle and torque to factory specs. (See Photo #10)
Periodically re-torque upper / lower ball joints and outer tie rod!
14. Re-install sway bar end links. With all bolts tight, install tires / wheels, lower vehicle to the ground.

FINAL NOTES:

- * After installation is complete, double check that all nuts and bolts are tight.
- * Rotate drive shafts and check for interference at differential yoke and cardan joint.
- * Check to ensure there is adequate clearance between All rotating, mobile and fixed members. Check clearance between inner side wall of tires.
- * Ensure there is adequate clearance between exhaust and brake lines, fuel lines, fuel tank, floor board, and wiring harnesses. Check steering gear for interference and proper working order. Inspect brake lines for damage and adequate clearance. Test brake system.
- * With the vehicle on the floor, cycle steering lock to lock and inspect steering, suspension, drive line and brake line systems for proper operation, tightness and adequate clearance.
- * Have headlights readjusted to proper settings.
- * Front end realignment is necessary so have a qualified alignment center realign front end to factory specifications.



Photo #8



Photo #9



Photo #10