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2006-2007  
Dodge 1500 4WD  
1"- 2" Performance Strut  
Installation Instructions

REQUIRED TOOL LIST:

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



Before beginning the installation, thoroughly & completely read these instructions & the enclosed driver's WARNING NOTICE. Affix the WARNING decal in the passenger compartment in clear view of all occupants. Please refer to the Parts List to insure that all parts & hardware are received prior to the disassembly of the vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain the needed items. If you have any questions or reservations about installing this lift kit, call SKYJACKER® Technical Assistance at 318-388-0816.

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

Driver Side Front: \_\_\_\_\_

Passenger Side Front: \_\_\_\_\_

Driver Side Rear: \_\_\_\_\_

Passenger Side Rear: \_\_\_\_\_

IMPORTANT NOTES:

- This lift kit will not fit on 2008 models!
- This lift is determined from the amount of lift to the front of the vehicle, while only lifting the rear to a position level with the front.
- If larger tires (10% more than the stock diameter) are installed, speedometer recalibration will be necessary. Contact your local Dodge dealer or an authorized dealer for details.
- After installation a qualified alignment facility is required to align the vehicle to factory specifications.

## **Front Installation:**

1. Secure & properly block the tires of the vehicle on a level concrete or asphalt surface.
2. Raise the vehicle from the front center cross member & remove the tires & wheels. (See Photo # 1)
3. Disconnect the outer tie rod from the steering knuckle using a 21mm socket. **Note:** 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. (See Photo # 2)
4. Disconnect the sway bar end links using a 15mm socket. (See Photo # 3)
5. Disconnect the upper a-arm ball joint from the top of the steering knuckle using a 21mm socket.
6. Disconnect the lower strut mount from the lower a-arm.
7. Remove the upper three strut mounting bolts from the upper frame mount using a 15mm wrench. (See Photo # 4)
8. Using a strut spring compressor, unload the tension on the upper mount of the OEM coil assembly. Remove the upper shock retaining nut & slide the strut out from the bottom. (See Photo # 5)
9. Remove the upper end cap from the OEM stru. **Note:** It can easily be tapped off with a rubber mallet. (See Photo # 6) With the end cap removed, remove the lower coil seat from the shock. (See Photo # 7)



**Photo # 1**



**Photo # 2**



**Photo # 3**



**Photo # 4**



**Photo # 5**  
I-D620ST



**Photo # 6**



**Photo # 7**

**Note:** The new Skyjacker struts have three grooves on the strut body for different lift heights. The bottom groove will yield roughly 1" lift. The middle groove will yield roughly 2" 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 the snap ring on the new Skyjacker strut to the desired location. Install the OEM coil seat onto the new strut. **Once the coil spring seat retaining ring has been installed check all suspension components for any contact or interference. If suspension component contact or interference is present, lower the coil spring seat by lowering the coil spring seat retaining ring until no contact or interference is present.** It may be necessary to tap these on due to a tight fit. With the new bump stop installed on strut, place the coil & upper hat onto the strut assembly. (See Photo # 8) Load into the strut compressor & install the upper nut.
11. Install the new strut assembly into the vehicle. Attach to the upper OEM frame mount using the OEM nuts. (See Photo # 9)
12. Attach the new strut assembly to the lower a-arm using the OEM bolt & nut.
13. Attach the outer tie rod to the steering knuckle. Reattach the upper a-arm to the steering knuckle. (See Photo # 10) **Note:** Periodically re-torque the upper / lower ball joints & outer tie rod!
14. Re-install the OEM sway bar end links.
15. Install the tires / wheels & lower the vehicle to the ground.



### **FINAL NOTES:**

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart below for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- With the vehicle placed on the ground, cycle the steering lock to lock & inspect the steering, suspension, brake lines, front & rear drivelines, fuel lines, & wiring harnesses for proper operation, tightness, & adequate clearance.
- Have the headlights readjusted to the proper settings.
- Have a qualified alignment center realign the front end to the factory specifications.
- Retorque all the bolts after the first 100 miles.

**Seat Belts Save Lives, Please Wear Your Seat Belt.**

**TORQUE SPECIFICATIONS**

<b><u>INCH SYSTEM</u></b>			<b><u>METRIC SYSTEM</u></b>		
<b>Bolt Size</b>	<b>Grade 5</b>	<b>Grade 8</b>	<b>Bolt Size</b>	<b>Class 8.8</b>	<b>Class 10.9</b>
5/16	15 FT LB	20 FT LB	6MM	5 FT LB	9 FT LB
3/8	30 FT LB	35 FT LB	8MM	18 FT LB	23 FT LB
7/16	45 FT LB	60 FT LB	10MM	32 FT LB	45 FT LB
1/2	65 FT LB	90 FT LB	12MM	55 FT LB	75 FT LB
9/16	95 FT LB	130 FT LB	14MM	85 FT LB	120 FT LB
5/8	135 FT LB	175 FT LB	16MM	130 FT LB	165 FT LB
3/4	185 FT LB	280 FT LB	18MM	170 FT LB	240 FT LB

• The above specifications are not to be used when the bolt is being installed with a bushing.

**Part # D620ST**

