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INSTALLATION INSTRUCTIONS

34324
"PRO" Coil Kit
2000 – UP Denali, Escalade with Auto Ride Suspension

Thank you for being selective enough to choose our high quality BELLTECH PRODUCT. We have spent many hours developing our line of products so that you will receive maximum performance with minimum difficulty during installation.

Note: Confirm that all of the hardware listed in the parts list is in the kit. **Do not** begin installation if any part is missing. Read the instructions thoroughly before beginning this installation.

Warning: **DO NOT** work under a vehicle supported by only a jack. Place support stands securely under the vehicle in the manufacturer's specified locations unless otherwise instructed.

Warning: **DO NOT** drive vehicle until all work has been completed and checked. Torque all hardware to values specified.

Reminder: Proper use of safety equipment and eye/face/hand protection is absolutely necessary when using these tools to perform procedures!

Note: It is very helpful to have an assistant available during installation.

RECOMMENDED TOOLS:

- Properly rated floor jack, support stands, and wheel chocks
- Combination wrench set
- Screwdriver set
- Pliers
- Torque wrench: *0-75 lb ft. range*
- Ratcheting socket wrench and sockets sets
- Safety Glasses

KIT INSTALLATION

- Open the hardware kit and remove all of the contents. Refer to the part list (Page 3) to verify that all parts are present.
- Park the vehicle on a smooth, level concrete or seasoned asphalt surface and activate the parking brake. Block the FRONT wheels of the vehicle with appropriate wheel chocks; making sure the vehicle's transmission is in 1st gear (manual) or "Park" (automatic).
- Using a properly rated floor jack, lift the rear wheels of the vehicle off the ground. Place support stands, rated for the vehicle's weight, in the factory specified locations. Refer to the vehicle Owner's Manual. Prior to lowering the vehicle onto the stands, make sure the supports will securely contact the chassis.

! It is very important that the vehicle is properly supported during this installation to prevent personal injury and chassis damage! Make sure that the supports stands are properly placed prior to performing the following procedures. We **DO NOT RECOMMEND** using wheel ramps while performing this installation.

- Slowly lower the vehicle onto the stands and, before placing the vehicle's entire weight on them, again check that they properly and securely contact the chassis as described above. Check for possible interference with any lines, wires, cables, or other easily damaged components.

Coil Springs

1. Remove the auto ride sensor ball links located behind the rear wheels on the trailing arm. You can remove the plastic links by pulling them directly out of the socket or by using a screwdriver to pry them off (Photo 1). If they are not removed you may damage the sensor or sensor bracket when lowering the axle during the spring removal.
2. Before removing the stock coil springs it is important to make sure the axle has at least six inches of downward travel for spring removal. Remove the lower bolts from both the auto ride shocks and lower the axle enough to remove the stock coil springs. Remove the coil springs along with the upper and lower rubber isolators from the vehicle.

! Warning: Use caution when lowering the axle, do not over extend brake lines and sensors, it may be necessary to unbolt or disconnect any of these to avoid damage.

3. Install the rubber isolators on the axle spring mounts and the tops of the new Belltech springs. Install the springs on the lower axle spring mounts slowly raising the axle until the springs are locked into position. To ensure the spring is locked into the upper spring mounts, try moving the upper portion of the spring from side to side.

! NOTE: If you are using the one inch spacer to reduce the amount of the lowering, install them at this time to the bottom of the spring, on the axle spring mounting point.

Shock Extensions

1. The shock extensions will mount onto the stock shock mounts extending the position of the mounting locations. Follow the instructions provided with the shock extension kit for proper installation.
2. Once the shock extensions have been installed re-attach the auto ride shocks and tighten them in place.

Bump Stops

1. Remove the stock bump stops from the vehicle by pulling them out of the bump stop sockets or pry them out by using a flat screwdriver.
2. Install the new bump stop by pressing into the socket.

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Auto Ride Sensor Links

This vehicle is equipped with 2 sensors located behind the rear wheels on the vehicle that controls the auto ride suspension. These sensors control both handling and the ride height in the rear of the vehicle. Both rear sensors link rods will need to be shortened to obtain the correct balance and ride height.

1. Remove the sensor links by pulling or prying the plastic ball socket off the ball stud (photo 1). Be careful not to bend or deform the sensor arms or any of the brackets.
4. Take the stock rear sensor links and **CAREFULLY** twist and pull the plastic sockets off with a pair of pliers (photo 2). Be very careful not to damage the plastic ends, as they will be reused.
5. Thread the supplied aluminum links into each end of the ball links creating two new rear sensor links (photo 5). The new sensor links should measure about 3” from center to center (Photo 5).

! Note: The plastic ball links can be threaded in or out to decrease or increase the length of the sensor link. All sensor link height adjustments should be made after the kit has been fully installed, driven and measured.

6. Attach the new rear sensor links to the rear sensors by pressing the plastic ball socket onto the ball studs.

Final assembly and adjustments

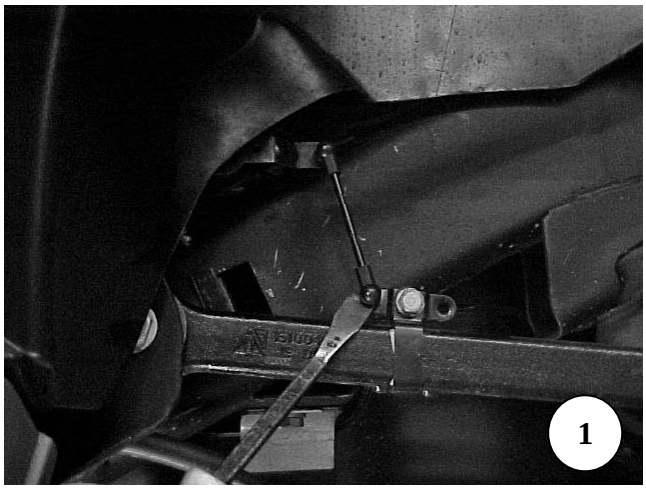
1. Check that all components and fasteners have been properly installed, tightened and torqued.

! All hardware being fastened to the vehicle's original fastening points should be torqued to the proper specifications. To prevent chassis damage, never over-torque the hardware.

2. Check brake hoses, and other components for any possible interference.
3. Lift the vehicle and remove the support stands. Carefully lower the vehicle to ground.
4. Immediately test-drive the vehicle in a remote location so that you can become accustomed to the revised driving characteristics and handling. Be aware that the vehicle will handle substantially different now that it has been modified.
5. Park the vehicle on a level surface, measure and record all four corners of the vehicle. Final adjustments can now be made to the torsion keys and rear sensor links for the desired ride height.
6. Test-drive and re-measure vehicle, repeat previous step if necessary.
7. Installation is complete. Check all of the hardware and re-torque at intervals for the first 10, 100, 1000 miles.

PART LIST FOR 34324 KIT

PART#	DESCRIPTION	QTY
5305-001	Coil Spring Set	2
4925-001	Foam Bump Stop	2
3901-001	Threaded link	2
35323-001	1" Spacer	2
6651	Shock Extension Kit	1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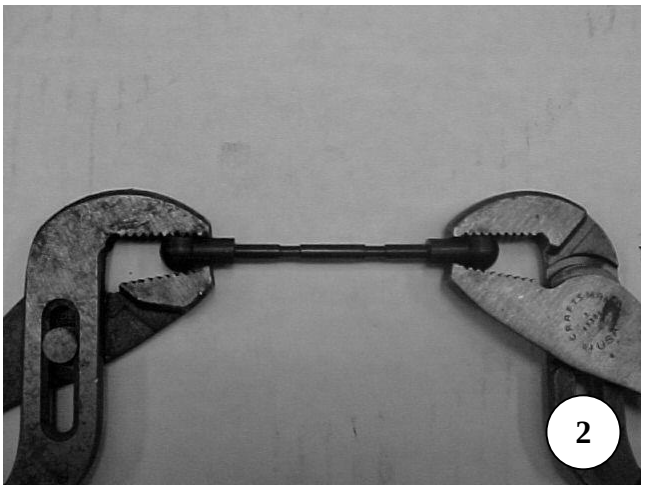
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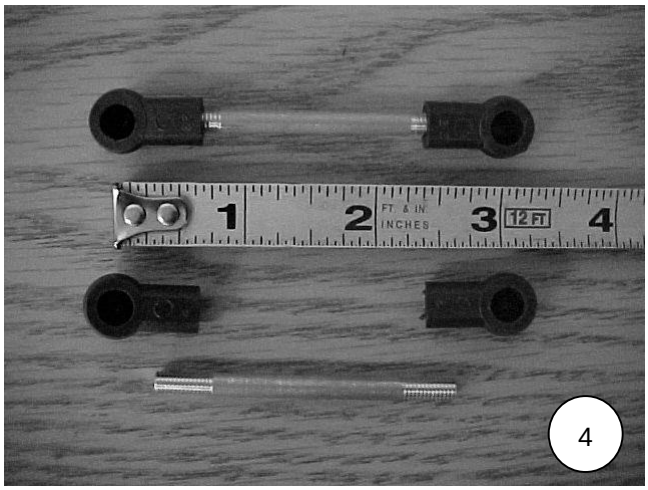
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