

# INSTALL/REMOVAL INSTRUCTIONS: AIR SUSPENSION CONVERSION KIT

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

## **Air Suspension Conversion Kit**

### **General Installation Instructions**

When servicing any vehicle be sure to follow all safety procedures. First, make sure that when lifting the vehicle that you use an appropriate jack with a proper weight rating. Before going underneath any vehicle, make sure that it is properly supported with sturdy jack stands and on level ground so that the vehicle doesn't fall or slide off of the jack and onto you. As with any automotive repair, make sure you have the appropriate tools to do the job so you don't damage any parts on the vehicle. Safety glasses and mechanic's gloves should also be worn for your protection.

Take care not to exceed the Gross Vehicle Weight Rating (GVWR), or the maximum load recommended by the manufacturer. It is important that all the vehicle owner manuals recommendations are followed for your own safety and to prevent damage to the vehicle.

Once you are ready to disable the ride light, you will need to disconnect the negative battery cable (-) to prevent electrical shock/malfunction.

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## 1997-2002 Expedition & Navigator 4 Wheel Installation Guide

Ford Expedition/Lincoln Navigator (4x4 Only)

### Parts Included:

- (2) Fully assembled coil over shocks
- (2) # 25 Rear coil springs
- (2) Rear shocks



### Tools Needed For Installation

- Metric socket set
- Metric wrenches
- Screw drivers (Phillips & flat head)
- Wire cutters
- Level work surface
- Jack & jack stands
- Allen wrenches

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## 1997-2002 EXPEDITION & NAVIGATOR FRONT AIR REMOVAL



**Warning:** the electrical power to the air suspension system must be shut off prior to hoisting, jacking, or towing the vehicle. This can be accomplished by turning off the Air Suspension switch.

- Remove the right hand kick panel.



- Locate and turn off the Air Suspension switch.



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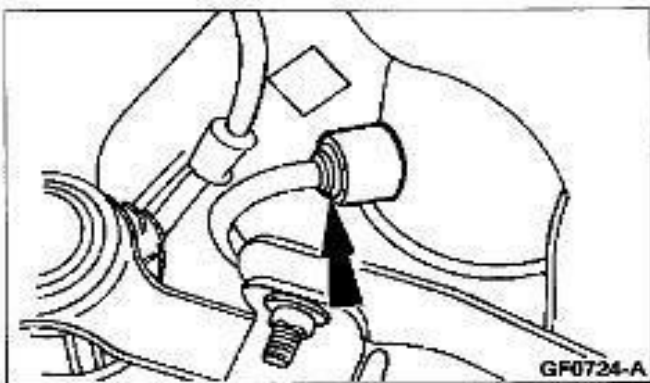
- Raise and support the vehicle.



- Remove the wheels



- Remove the air line from the shock. Press in the locking ring and pull out the air line.



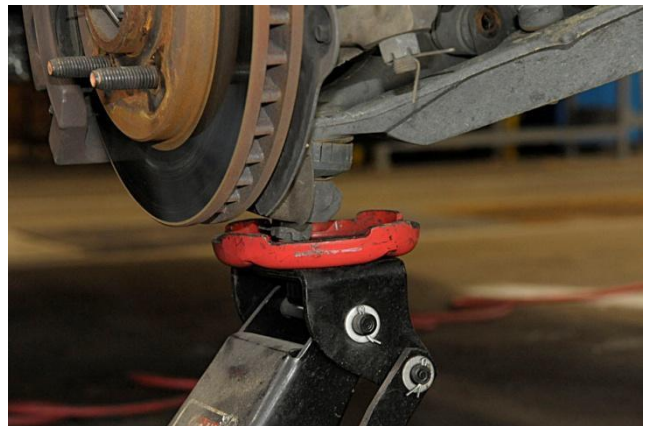
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## 1997-2002 EXPEDITION & NAVIGATOR FRONT AIR REMOVAL

- Hold the shock absorber stem and remove the upper nut and washer assembly.
- Support the lower control arm with a jack.



- Disconnect the upper control arm, this will make the removal and installation easier.



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## 1997-2002 EXPEDITION & NAVIGATOR FRONT AIR REMOVAL

- Locate the bottom shock bolt.



- Remove the lower shock bolt.



- Remove the shock absorber



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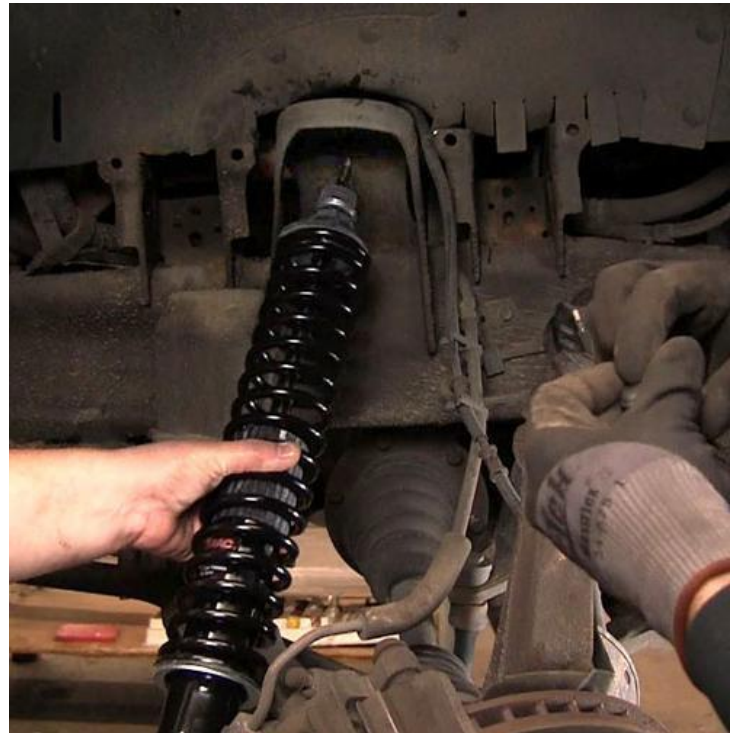
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## 1997-2002 EXPEDITION & NAVIGATOR FRONT INSTALLATION

- Install 1 washer and bushing onto the shock, prior to installing on the vehicle.



- Install the shock into the upper mounting first. Add the other bushing then washer. Loosely tighten the nut to hold shock from falling out of place.



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## 1997-2002 EXPEDITION & NAVIGATOR FRONT INSTALLATION

- Align the bottom of the shock with the mounting hole and slowly jack up the lower control arm, guiding the shock into place. Install the bolt and nut. Tighten to manufacturer's recommendations.
- If there is a gap present at the shock base, add washers as needed.

**Note:** These are not supplied.



- Tighten the top mounting nut for the shock.
- Reinstall the upper control arm and tighten to manufacturer's recommendations.



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## 1997-2002 EXPEDITION & NAVIGATOR AIR BAG REMOVAL

- Remove the air spring retaining clip.



- Lift up the bottom from here.



To ensure that the air suspension light does not come on, remove the air spring solenoids from all air springs and reconnect them to the vehicle electrical connectors.

### Solenoid Removal Instructions

- Remove the steel “C”-clip that holds the valve into the air spring. Turn the solenoid counter clockwise to remove. Once removed from air spring, plug solenoid back into the electrical connector. Leave the airline in the solenoid. Using a wire tie, secure the solenoid up out of the way from moving parts. Remove the air spring from the vehicle.



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## 1997-2002 LINCOLN NAVIGATOR FORD EXPEDITION REMOVAL INSTRUCTIONS

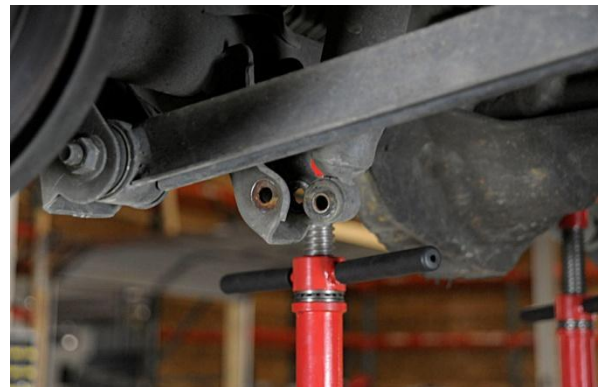
- Disconnect the stabilizer bar from the rear axle
- Remove both bolts.



- Remove the nut from the bottom of the shock.



- Disconnect the shock from the axle bracket.  
This will allow the rear axle to be lowered.



- If replacing the shocks as well as the air springs, remove the nut and bolt from the upper shock mount.
- Remove the shock and install the new shock at the upper mount only.
- Install and loosely tighten the upper bolt and nut.

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## 1997-2002 LINCOLN NAVIGATOR FORD EXPEDITION INSTALLATION INSTRUCTIONS

- Place the top of the coil spring into upper seat (Large end of spring).



- Pull down on the axle and push the coil spring onto the lower spring seat (Small end of spring).



- Raise the axle to line up the lower shock mount.



- Install lower shock bolt and nut, tighten bolts to factory specs.



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## 1997-2002 LINCOLN NAVIGATOR FORD EXPEDITION INSTALLATION INSTRUCTIONS

- Replace the stabilizer bar.



- Reattach the wheels and set vehicle on the ground.



Dorman provides the best in performance suspension parts equipment.