



For ALL Your Air Suspension Needs!!!

1997-2002

***Lincoln Navigator
Ford Expedition***

53F-15-4x2

53F-15-4x4

Rear Air Spring





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WARNING:

BEFORE YOU BEGIN THE REMOVAL OR INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY! THE WARRANTY WILL BE VOID IF INSTRUCTIONS ARE NOT FOLLOWED EXACTLY. DO NOT WORK UNDER CAR UNDER A VEHICLE SUPPORTED BY A JACK. ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.

Removal

WARNING: Before repairing or installing any air suspension component(s), turn off the air suspension switch or disconnect the battery ground cable to prevent vehicle damage or personal injury.

WARNING: Do not attempt to install or inflate any air spring that has become unfolded to prevent vehicle damage or personal injury.

WARNING: Failure to observe the following procedures may result in a sudden failure of the suspension system.

WARNING: Any air spring which is unfolded must be refolded prior to being installed in a vehicle.

WARNING: The air spring refolding procedure should not be used for an air spring which has never supported the vehicle's weight while in the correct folded position.

WARNING: Vehicles with an incorrectly folded air spring(s) found after the vehicle has been driven, must have a new air spring installed.

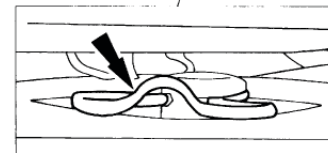
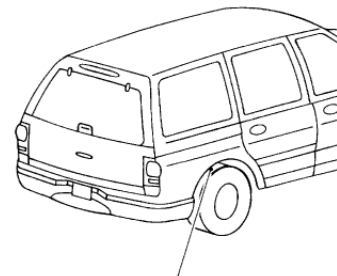
WARNING: Do not attempt to inflate any air spring which has collapsed while deflated from the rebound hanging position to the jounce stop.

WARNING: When installing a new air spring, care must be taken to not apply a load to the suspension until the air springs have been inflated using the air spring fill procedure.

WARNING: After inflating an air spring in the hanging position, it must be inspected for proper shape.

NOTE: The vehicle must be positioned on a suitable lifting device prior to deflating the air suspension system.

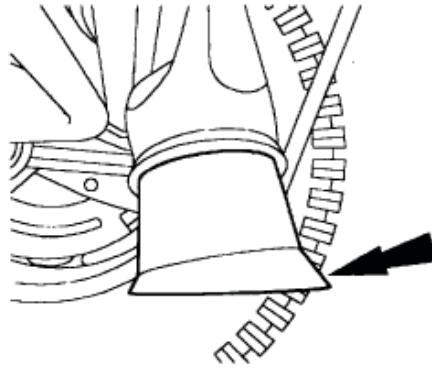
- 1. Deflate the air suspension system.
Rotate the solenoid 1/4" turn and the solenoid will drop down and release the air.**
- 2. Disconnect the battery ground cable.**
- 3. Raise and support the vehicle.**



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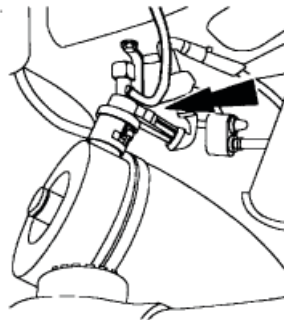
Removal

4. Remove the rear air spring retainer.



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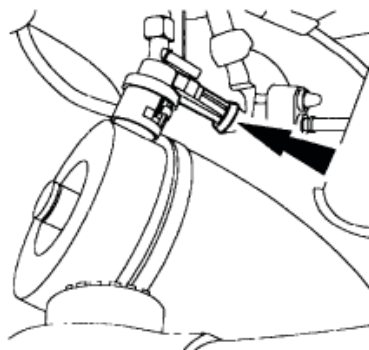
5. Lift the bottom of the air spring off the rear axle.



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6. Disconnect the air line from the air spring. Press down on the orange ring and pull the air line out.

- * Compress the quick connect locking ring and pull out the air line.



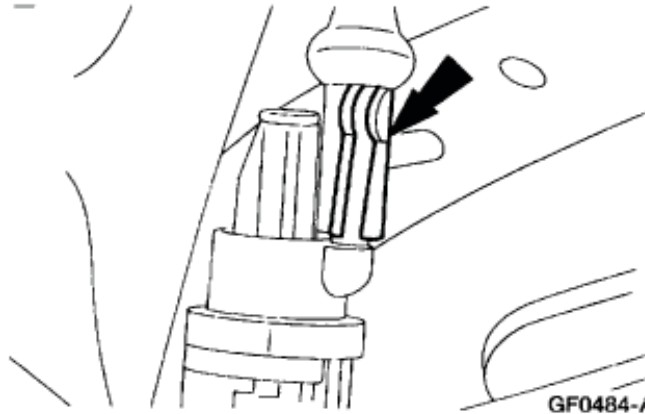
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7. Disconnect the air spring solenoid electrical connector and remove the air spring.

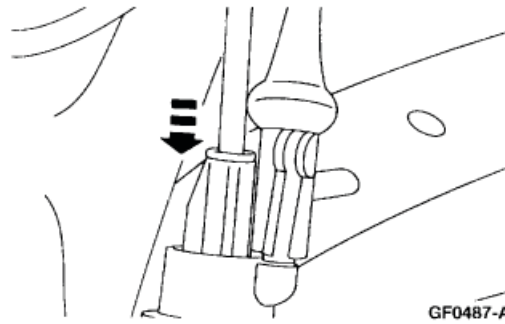


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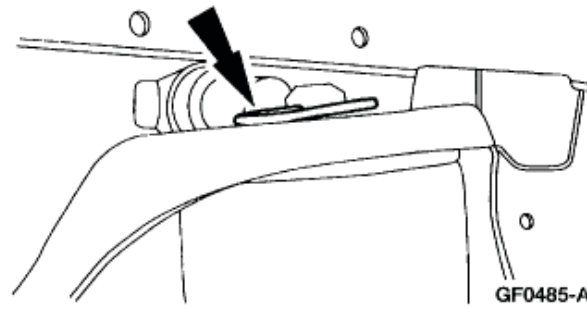
Installation



1. **NOTE: When installing the rear air spring, it is necessary to inflate the air suspension system. Connect the solenoid valve electrical connector. When installing the solenoid lubricate the solenoid and the inside surface of airspring**



2. **NOTE: When installing the air lines, make sure the white air line is fully inserted into the fitting for correct installation. Connect the air line into the solenoid valve line fitting.**

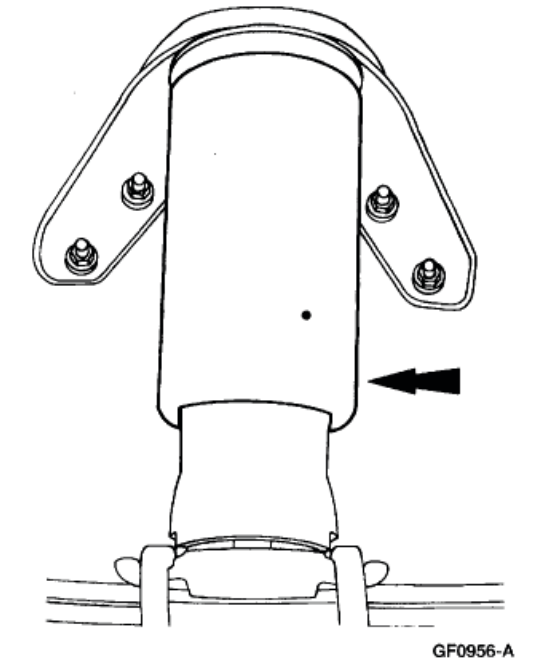




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Installation

- 3. Position the air spring into place and install the retaining clip at the top of the air spring.**



- 4. Visually inspect each air spring to ensure the correct profile has been obtained and the air spring is secured to the axle housing. There should be no evidence of buckling or folding of the air springs.**
- 5. Lower the vehicle.**
- 6. Inflate the air suspension system.**