



For ALL Your Air Suspension Needs!!!

2003-2006

***Lincoln Navigator
Ford Expedition***

60F-15-F

Front Air Spring

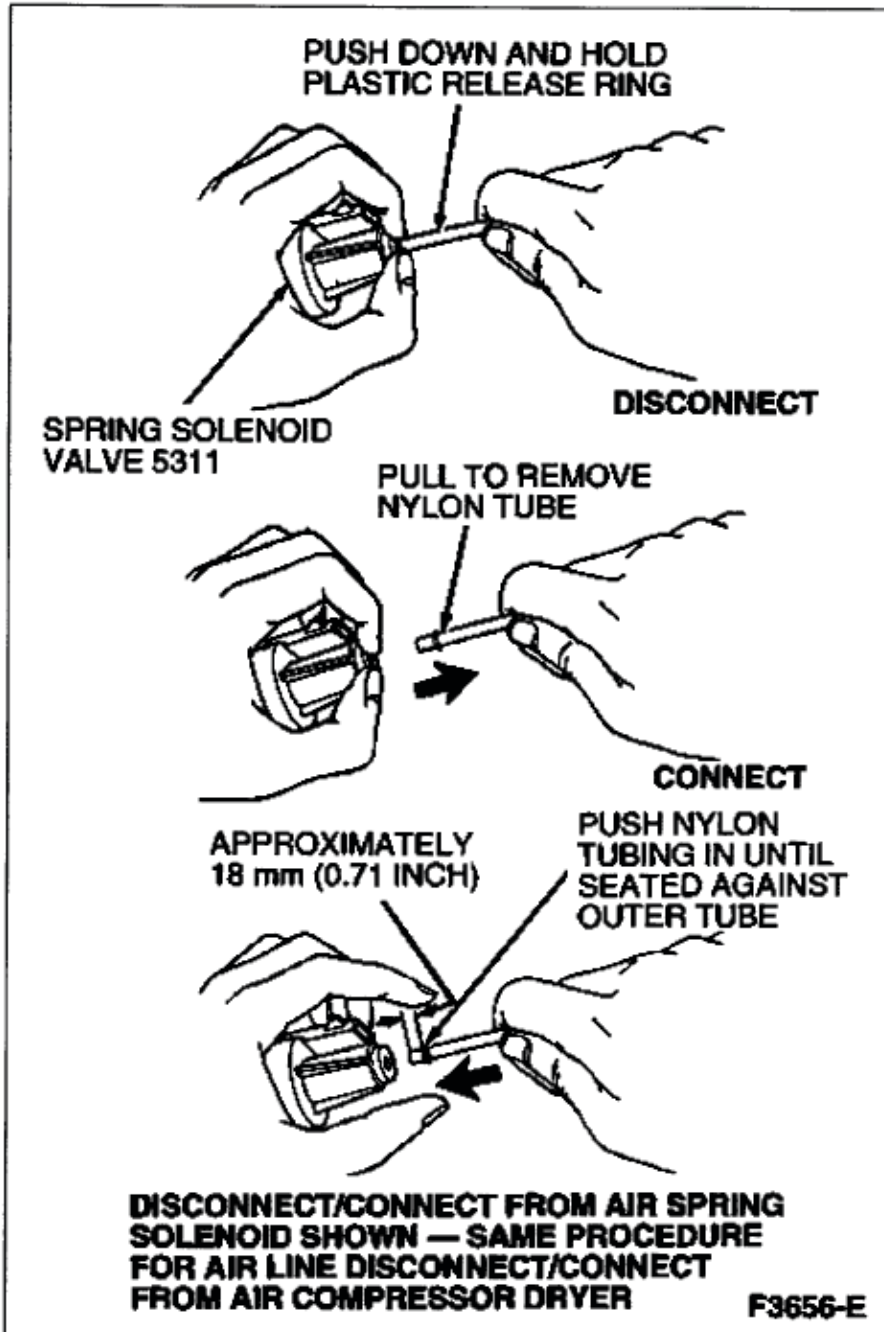




For ALL Your Air Suspension Needs!!!

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.





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Removal and Installation

WARNING: The electrical power to the air suspension system must be shut off prior to hoisting, jacking or towing an air suspension vehicle. This can be accomplished by turning off the air suspension switch located in the LH rear quarter trim panel. Failure to do so may result in unexpected inflation or deflation of the air springs, which may result in shifting of the vehicle during these operations. Failure to follow these instructions may result in personal injury.

WARNING: Do not remove an air spring under any circumstances when there is pressure in the air spring. Do not remove any components supporting an air spring without either exhausting the air or providing support for the air spring. Failure to follow these instructions may result in personal injury.

CAUTION: Suspension fasteners are critical parts because they affect performance of vital components and systems and their failure can result in major service expense. A new part with the same part number must be used if installation is necessary. Do not use a new part of lesser quality or substitute design. Torque values must be used as specified during reassembly to make sure of correct retention of these parts.

- 1. Using the diagnostic tool, vent the appropriate air spring(s).**
- 2. Turn the air suspension switch to the OFF position.**
- 3. Remove and discard the 3 shock upper nuts.**

o To install, tighten to 40 Nm (30 ft. lbs.).

- 4. With the vehicle in NEUTRAL, position it on a hoist.**
- 5. Disconnect the air valve electrical connector.**
- 6. Disconnect the air line at the air valve.**

o Compress the orange quick connect lock ring, then pull downward on the air supply line.



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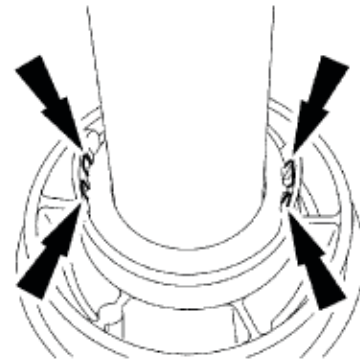
Removal and Installation

7. Remove the shock lower nut, bolt and the air shock absorber and spring assembly.

- o Discard the nut.
- o To install, tighten to 400 Nm (295 ft. lbs.) .

8. **NOTE:** If the individual spring and/or shock components are not being serviced, continue with Step 14. **NOTE:** Use the hex holding feature to prevent the shock rod from turning while removing the nut. Remove and discard the shock rod nut.

- o To install, tighten to 30 Nm (22 ft. lbs.) .



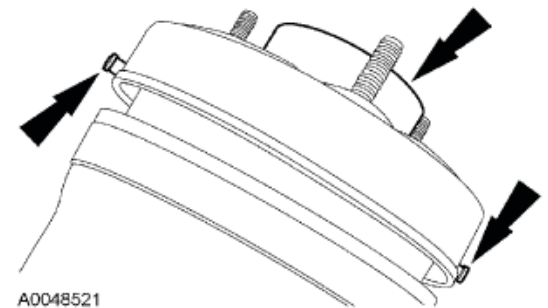
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9. **CAUTION:** If the retainer tabs are broken, a new air spring must be installed. **NOTE:** Index mark the air spring and the shock absorber for reference during the installation procedure. Depress the retainer tabs and remove the air spring assembly.

10. Remove the shock rod O-ring seal, washer and jounce bumper.

- o Discard the seal and washer.

11. Remove and discard the 2 air spring lower O-ring seals.



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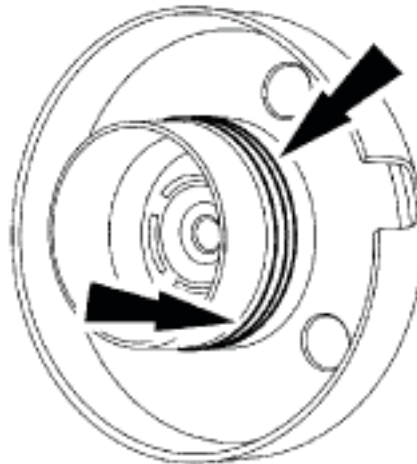
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12. Remove the retainer pins and the upper mount.

o Discard the pins.



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13. Remove and discard the 2 air spring upper O-ring seals.

14. CAUTION: Use a suitable press to install the upper mount retainer pins. Do not use a hammer or damage may occur. NOTE: During installation, use assembly kit 5B302. NOTE: Apply a thin coat of grease to the new O-ring seals. To install, reverse the removal procedure.