

Shock Absorber and Spring Assembly

Disassembly

 **WARNING:**

All vehicles are equipped with gas pressurized shock absorbers which will extend unassisted. Do not apply heat or flame to the shock absorbers during removal or component servicing. Failure to follow these instructions may result in personal injury.

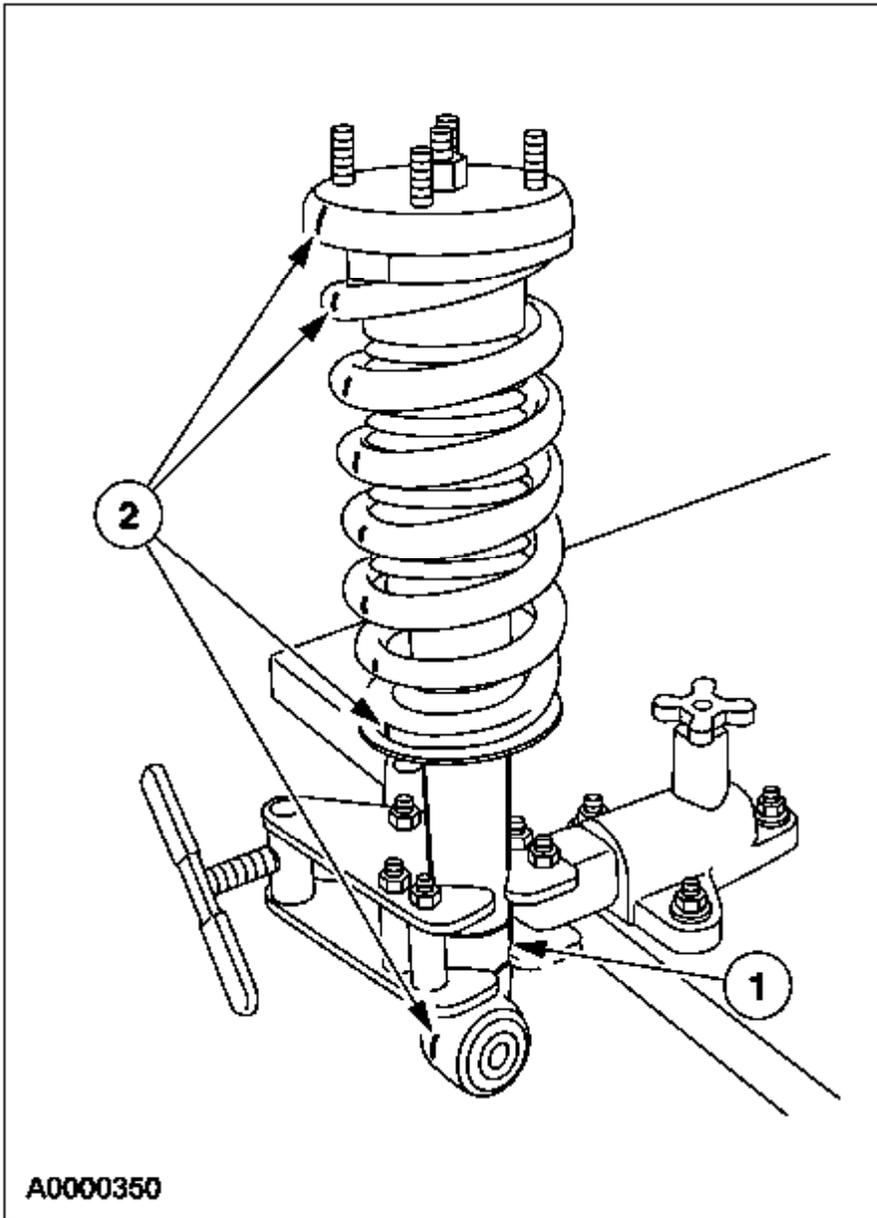
 **WARNING:**

The shock absorber and spring assembly is under extreme load. Do not attempt to disassemble the shock absorber and spring assembly without using a spring compressor. Failure to follow these instructions may result in personal injury.

 **CAUTION:**

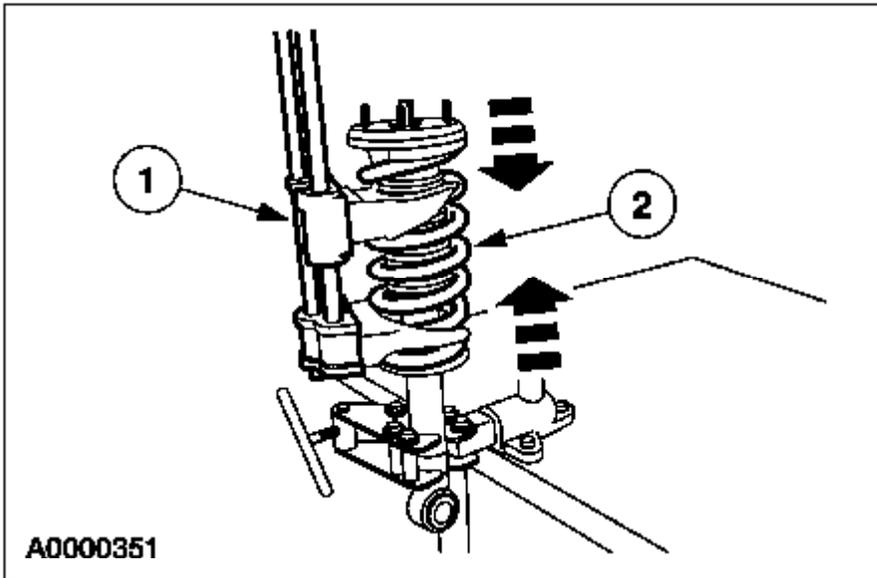
Suspension fasteners are critical parts because they affect performance of vital components and systems and their failure can result in major service expense. A new part with the same part number must be installed if installation is necessary. Do not use a new part of lesser quality or substitute design.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

1. Remove the shock absorber and spring assembly. For additional information, refer to «[Shock Absorber and Spring Assembly](#)» in this section.

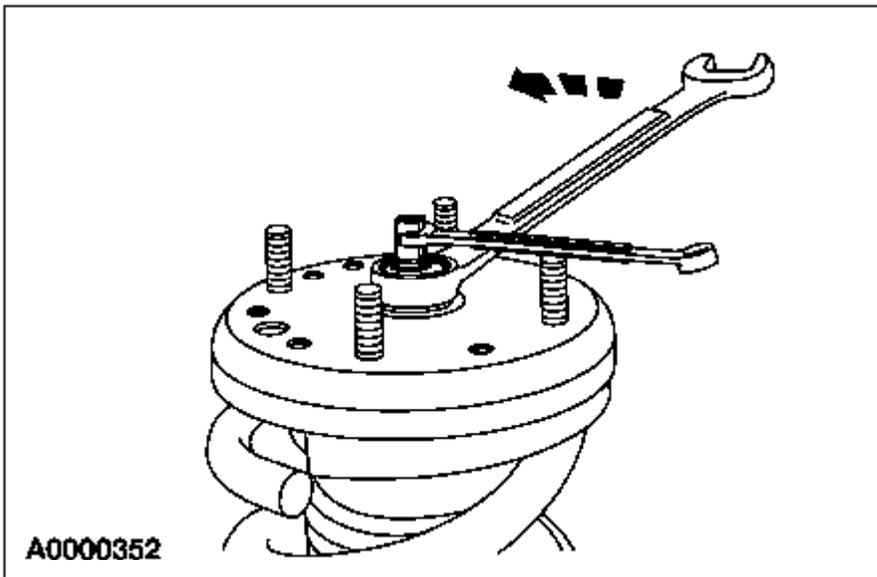


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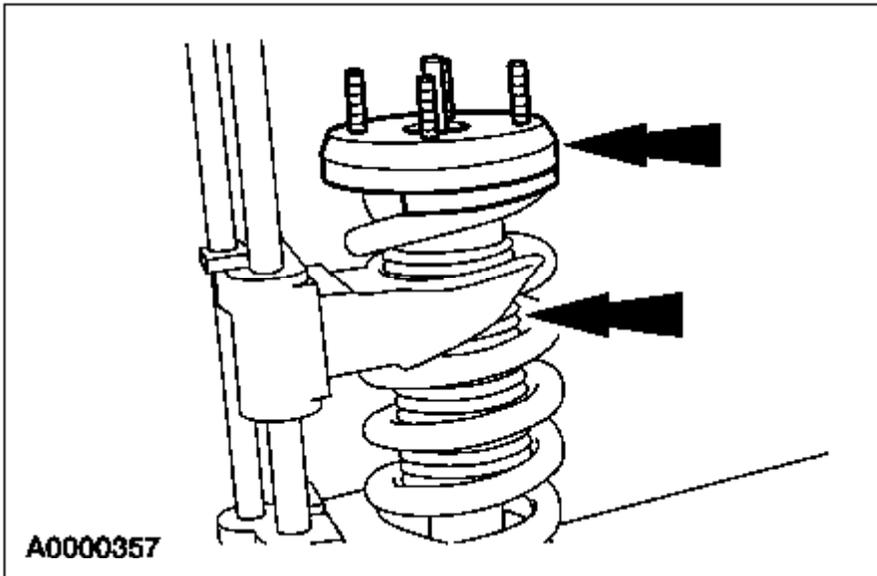
- 2. Mount and mark the shock absorber and spring assembly.
 - 1 Position the shock absorber and spring assembly in an appropriate vise.
 - 2 Mark the upper mount, spring and shock absorber for assembly reference.



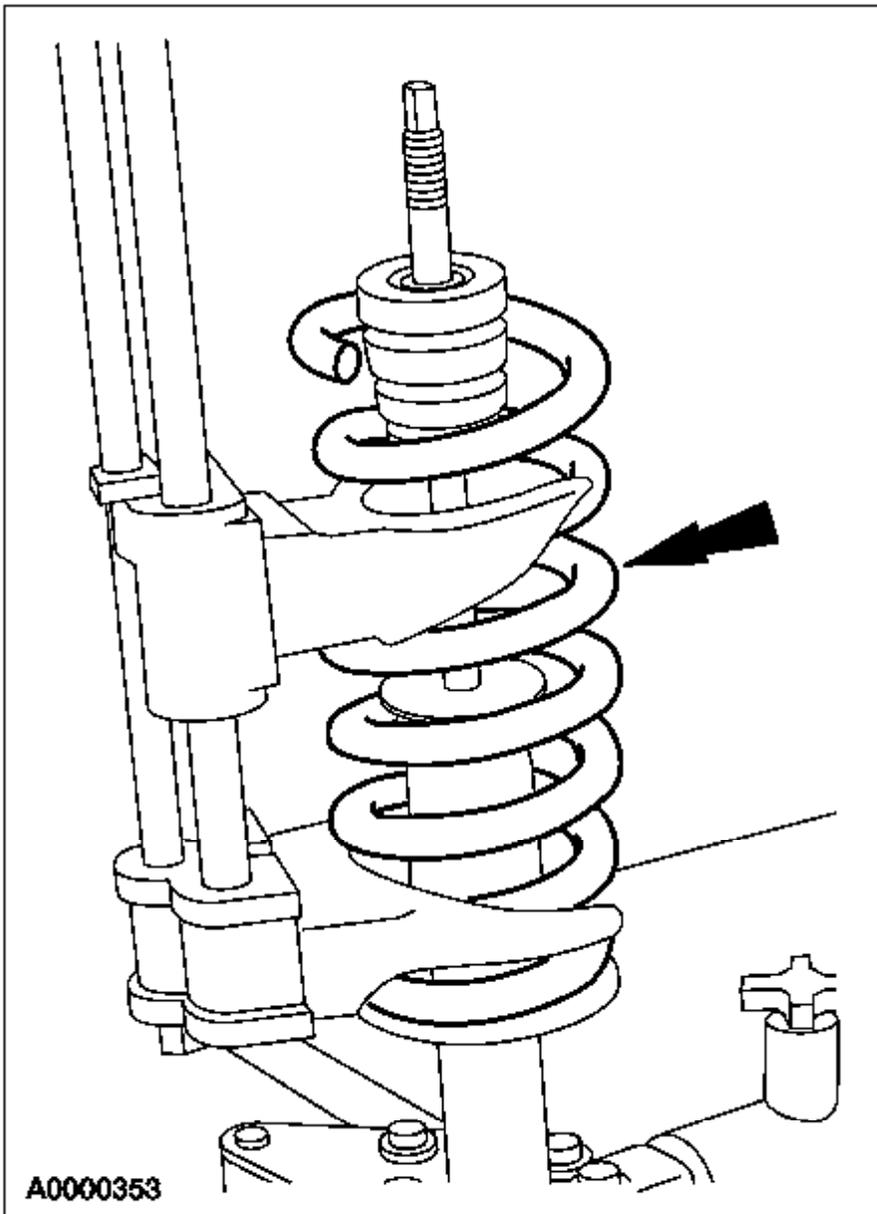
- 3. Compress the spring.
 - 1 Install an appropriate spring compressor.
 - 2 Compress the spring.



- 4. While holding the shock absorber rod, remove the nut.



5. Remove the upper mount and dust boot as an assembly.



6. Carefully remove the spring and the spring compressor.

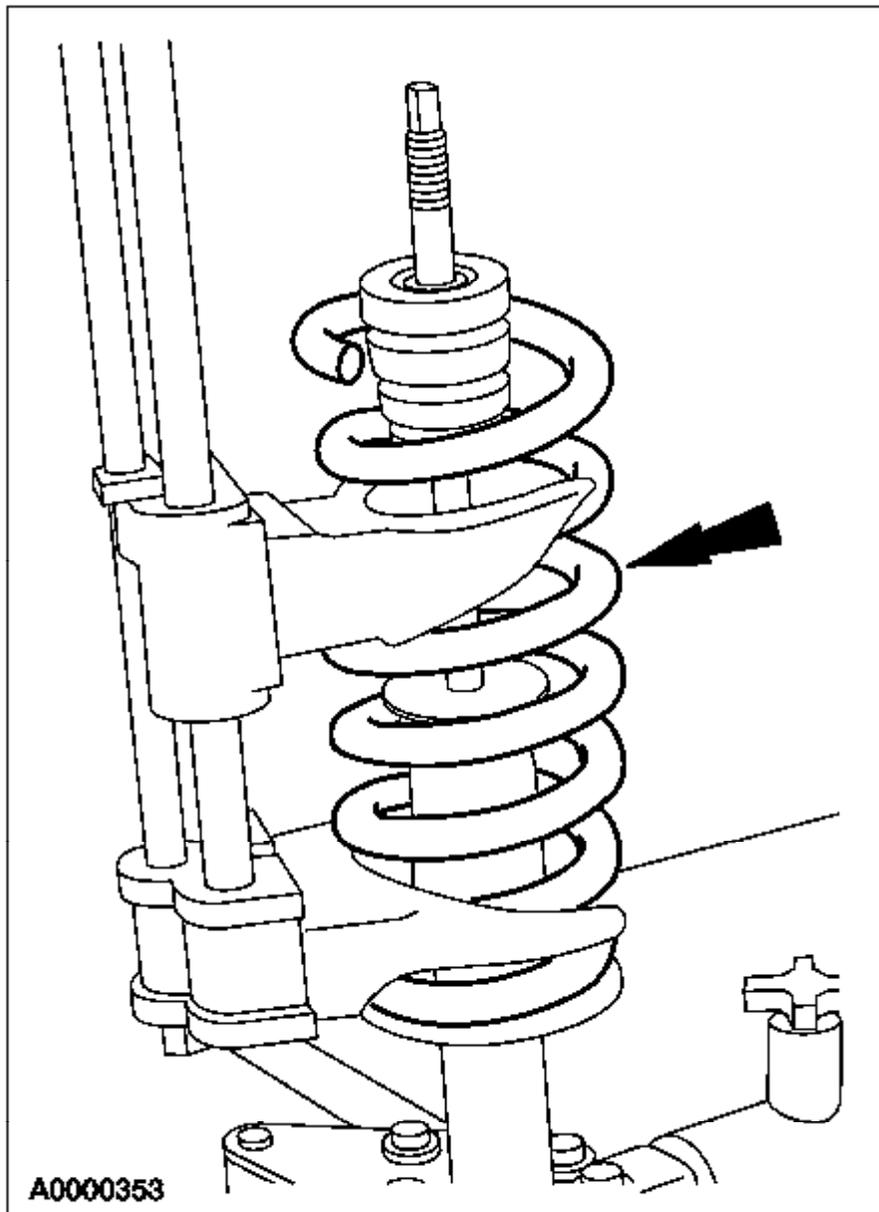
Assembly

Note:

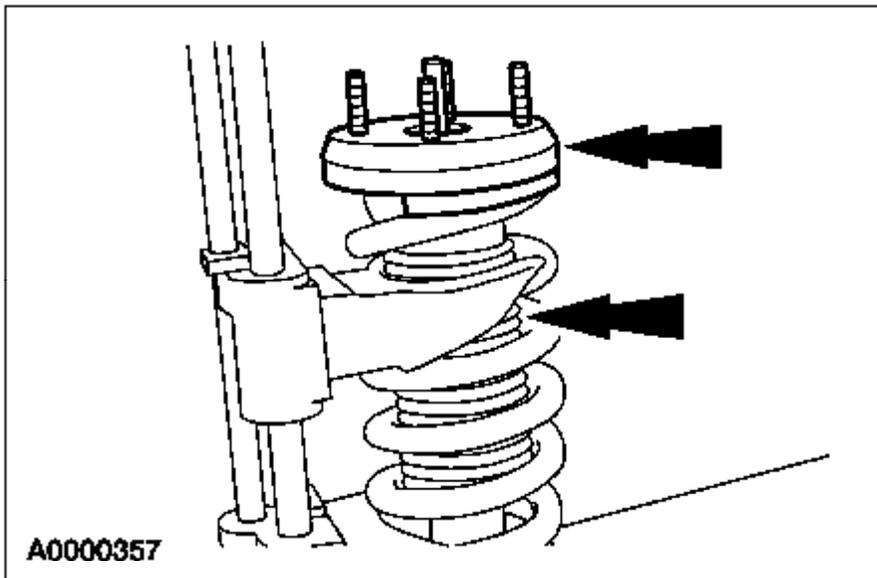
If a new shock absorber, spring or upper mount is installed, the new part should be marked in the same place the old part is marked to make sure the assembly is correctly aligned.

1. Inspect the lower and upper spring seats for damage.
2. Inspect the spring insulator for wear or damage. Install a new insulator if necessary.
3. **Note:**
Install a new spring with the correct part number only. Refer to the vehicle certification (VC) label for the correct spring code. Refer to «Section 100-01» to convert the spring code to a part number.

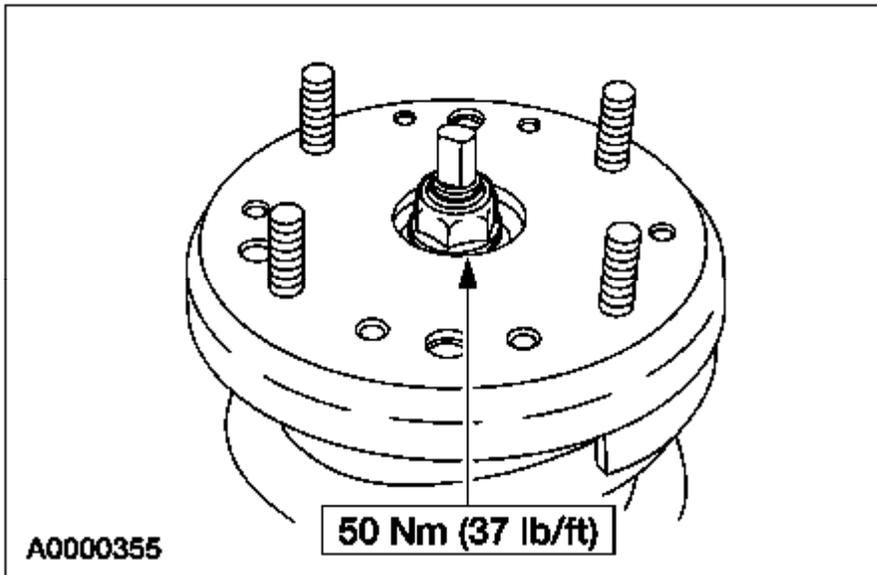
Inspect the spring for nicked or scratched paint. If the paint is nicked or scratched, install a new spring.



4. Install the spring and the spring compressor on the shock absorber.



5. Position the upper mount and dust boot on the spring. Make sure the marks made during disassembly, Step 2, are aligned.



6. Install a new nut.
7. Remove the spring compressor.
8. Remove the shock absorber and spring assembly from the vise.
9. Install the shock absorber and spring assembly. For additional information, refer to «[Shock Absorber and Spring Assembly](#)» in this section.
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