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Chassis ID Path

8181/Repair//Air Spring, Replacement

Model Identity

99302147

Publish date ID/Operation 3/1/06 8181-03-02-01

## 8181-03-02-01 Air Spring, Replacement



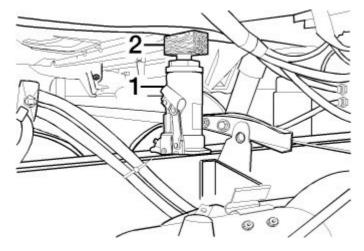
Before working on a vehicle, set the parking brakes, place the transmission in neutral, and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.



Before beginning any service work on any part of the air system, be certain that the air pressure has been released. Failure to do so may cause a component to violently separate, which can result in serious personal injury.

## Removal

1



- 1 Bottle jack
- 2 Wood block

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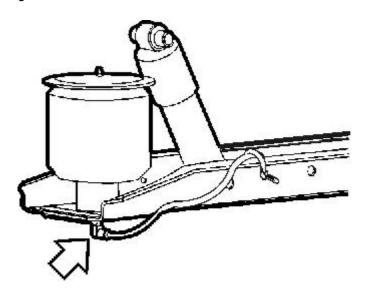
## **A** Caution

Do not raise the rear of the cab any more than absolutely necessary (max. 300 mm (12 in.)). Raising the rear of the cab too far could damage the front cab mounting brackets.

Tilt the hood forward and then use a bottle jack to raise the rear of the cab. Support the rear of the cab with wooden blocks.

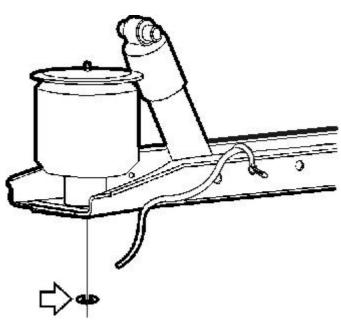
2 Completely drain the air from the air system.

3



Remove the air line and fitting from the bottom of the air spring.





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Remove the retaining clip from the bottom stud of the air spring.

5

Remove the air spring by unscrewing it from the bottom of the cab.

## Installation

1

Be sure to install the spring plate on top of the new air spring, then screw the new air spring into the bottom of the cab.

Note: This step is for the VN780 vehicle, only.

2

Place the bottom stud through the cab suspension crossmember, then install a new retaining clip over the stud.

3

Apply pipe sealer to the fitting and install the air fitting in the bottom of the air spring.

4

Install the air line, start the truck and allow the air system to refill.

5

Remove the bottle jack and the cab supports.

6

Check for air leaks.