

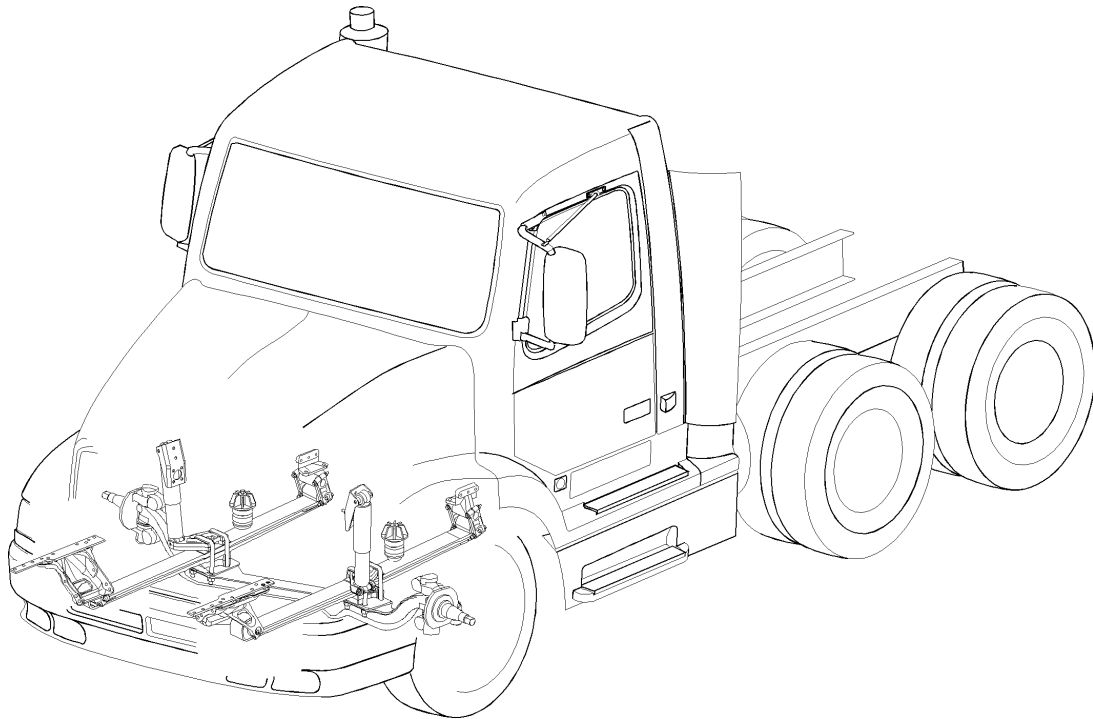
This VN Service Bulletin is a supplement to Service Manual, Preventive Maintenance, VNL, VNM, PV776-TSP21358.

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Front Spring Lubrication

VN

## Front Spring Pin and Bushing, Lubrication



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The front spring suspension aids in supporting the weight of the chassis, cab, and load above the front axle. It transmits the force of that weight to the front wheels through the springs and the front axle.

Some of the front spring pins and bushings on vehicles are experiencing shorter life cycles than anticipated, even with good lubrication practices. Proper spring lubrication procedures and recommended lubrication intervals are provided in this bulletin. Use this as a guide to ensure maximum spring life.

[See "Front Spring, Lubrication" page 2.](#)

# System check

## Front Spring, Lubrication

See also "Front Spring Pin and Bushing, Lubrication" page 1.

Spring pins and bushings are greased to reduce friction. In order to reduce friction there must be a lubricating film which is free of dirt, salt, water, and sand. As the vehicle is operated the lubricant film wears away, increasing friction. At the same time, the contaminants cause premature wear of the surface hardened pin. The contaminants and the particles of the pin, or grindings, increase the speed of loss of the lubrication from the pin bushing surface. In addition, the contaminants and grindings form a semi-hard mixture that plugs the grease holes.

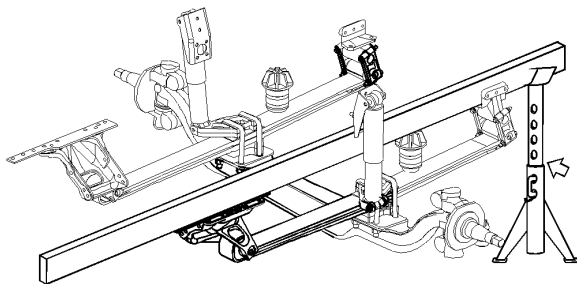
Grease is required to be applied to the pins and bushing in order to re-establish the film of lubrication and to flush the contaminants and grindings from the bushing. The proper grease to use in this process is Chevron EP #2.

Current recommendations for lubrication intervals for the front axle spring pins/ bushings is 3 months, 24,000 km, or 15,000 miles, whichever comes first.

The proper procedures for Front Spring Lubrication are:

**1**  
Raise the front end of the truck up with a jack.

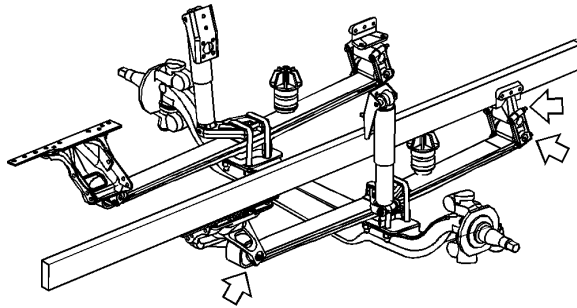
**2**



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Place jack stands underneath the frame rails on both sides to relieve the suspension of any weight. Lower the jack so that the front axle hangs free.

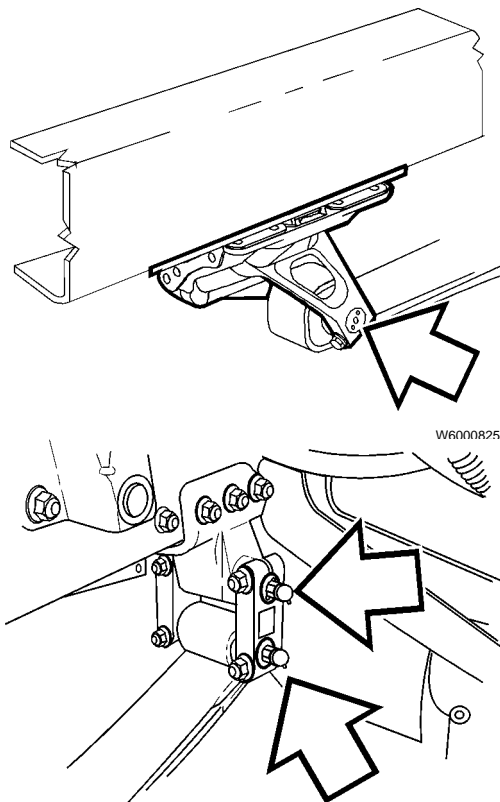
**3**



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Thoroughly clean the spring and bushing area to eliminate any dirt and contaminants.

**4**



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**Note:** Volvo only uses Chevron Grease EP #2.

Then thoroughly grease through the grease fitting until the lubricant emerges past the bushing seals, cleaning out all contaminants.

**5**

After letting the truck down, grease the entire spring and bushing area again to ensure complete lubrication coverage.