

## Creaking noises at front spring at low outside temperatures

Topic number	GI32.20-N-039931
Version	3
Design group	32.20 Steel springs/torsion bars, Niveaumat
Date	07-29-2007
Validity	Model designation 901.### - 905.###
Reason for change	China added

### Complaint:

At temperatures of approx. -8°C and lower, creaking noises may occur at the front spring.

### Cause:

On vehicles with a two-leaf steel spring, this noise can be caused by friction between the spring and the intermediate layer. This is purely a matter of ride comfort.

There is no function impairment or any possibility of damage.

### Remedy:

Remove front spring as per WIS document:

Model designations 901- 903 as per AR32.20-D-0200A

Model designation 904 as per AR 32.20-D-0200E

All-wheel drive: AR32.20-D-0200B.

Steps (see illustrations in attachment):

- Detach outer spring leaf item 1.
- Detach adhesive tape item 2.
- Take off upper leaf spring and remove both intermediate layers item 3. Completely remove double-sided adhesive tape from spring and intermediate layer, and clean the surfaces. Bonding surfaces must be free of grease.
- Apply 3M two-component adhesive to top of intermediate layer and press teflon shim with shiny (etched) surface item 4 onto intermediate layer (see red arrow).
- Reassemble front spring in the reverse order.

### Symptoms

Chassis / suspension / Chassis, noises / Cracking

### Parts

Part number	Designation	Quantity	Note	EPC net	Non-EPC
A0003250084	Shim	2	Order two teflon shims for each vehicle.	X	

DP 8010	3M structural adhesive DP 8010	1	Adhesive can be purchased from 3M.		X
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## Attachments

File	Designation
Vorderfedergerausche.pdf	Front spring and teflon shim

## Work units

Op. no.	Operation text	Time	Damage code	Note
32-3950	REMOVE/INSTALL SPRING OF 1ST AXLE	51AW	32074 36	