

Creaking noises at front spring at low outside temperatures

| | |
|-------------------|--|
| Topic number | LI32.20-N-066562 |
| Version | 1 |
| Design group | 32.20 Steel springs, torsion bars, Niveaumat |
| Date | 06-19-2017 |
| Validity | BM 901.### - 905.### |
| Reason for change | Distribution revised |
| Reason for block | |

Complaint:

At temperatures below approx. -8°C, a creaking noise may be heard in the area of 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.
- Remove adhesive tape, item 2.
- Detach upper leaf spring and remove both intermediate bearings, 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 / Noises / Cracking |

| Parts | | | | | | |
|--------------|-----|-----|-------------|----------|------|-----|
| Part number | ES1 | ES2 | Designation | Quantity | Note | EPC |

XENTRY TIPS

| | | | | | |
|-------------|--|--------------------------------|---|--|---|
| 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. | |

| Attachments | |
|--------------------------|------------------------------|
| File | Description |
| Vorderfedergerausche.pdf | Front spring and teflon shim |

| Operation numbers/damage codes | | | | |
|--------------------------------|-----------------------------------|------|-------------|------|
| Op. no. | Operation text | Time | Damage code | Note |
| 32-3950 | REMOVE/INSTALL SPRING OF 1ST AXLE | | | |

| Validity | | |
|-------------|--------|--------------|
| Vehicle | Engine | Transmission |
| Sprinter I | * | * |
| Sprinter II | * | * |