

## Thumping noises at the front axle

|                   |                         |
|-------------------|-------------------------|
| Topic number      | LI32.34-P-056667        |
| Version           | 1                       |
| Design group      | 32.34 Roll control (WR) |
| Date              | 07-22-2013              |
| Validity          | Model 166.x74           |
| Reason for change |                         |
| Reason for block  |                         |

**Complaint:**

Thumping noises at the front axle when driving over road bumps

**Cause:**

Front axle stabilizer bar without noise optimization measures installed, or air in the Active Curve System

**Remedy:**

1. Check part number of stabilizer bar installed at front axle (adhesive label on rotary actuator of stabilizer bar on front axle)
  - a. If the stabilizer bar with the part number A 166 320 3411 is installed, continue with step 3
  - b. If the stabilizer bar with the part number A 166 320 3411 is not installed, continue with step 2
2. Replace stabilizer bar on front axle
3. Bleed Active Curve System

Note:

Increase idle speed to 1500 rpm and perform bleeding routine until no more bubbles are visible in the expansion reservoir.

If necessary the bleeding routine may be performed up to 3 times, after which a break of approx. 1 hour must be observed before starting the bleeding process again.

| Symptoms  |
|---|
| Chassis/suspension / Chassis, noises / Cracking                                       |
| Chassis/suspension / Chassis, noises / Knocking                                       |
| Chassis/suspension / Chassis, noises / Thumping                                       |
| Chassis/suspension / Suspension/Dampening / Suspension system noises / Thumping noise |
| Chassis/suspension / Suspension/Dampening / Suspension system noises / Metallic noise |
| Chassis/suspension / Axles / Stabilizer bar / Stabilizer bar noise / Knocks           |
| Chassis/suspension / Chassis, noises / Clattering                                     |
| Chassis/suspension / Axles / Front axle / Front axle, noise / Knocking                |

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|--|
| Chassis/suspension / Axles / Front axle / Front axle, noise / Thumping   |
| Chassis/suspension / Axles / Front axle / Front axle, noise / Cracking   |
| Chassis/suspension / Axles / Front axle / Front axle, noise / Clattering |

| Parts           |     |     |                      |          |      |     |                 |
|-----------------|-----|-----|----------------------|----------|------|-----|-----------------|
| Part number     | ES1 | ES2 | Designation          | Quantity | Note | EPC | Other make part |
| A 166 320 34 11 |     |     | Front stabilizer bar | 1        |      | X   |                 |

| WIS-References   |   |      |            |
|------------------|---|------|------------|
| Document number  | Title                                       | Note | Allocation |
| AR32.20-P-0300GQ | Remove/install stabilizer bar on front axle |      | Remedy     |
| AR32.34-P-0021GQ | Fill and bleed active roll stabilization    |      | Remedy     |

| Validity |        |              |
|----------|--------|--------------|
| Vehicle  | Engine | Transmission |
| 166.074  | *      | *            |
| 166.874  | *      | *            |

| Full model designation breakdown |         |              |
|----------------------------------|---------|--------------|
| Vehicle                          | Engine  | Transmission |
| 166.074                          | 157.982 | 722.905      |
| 166.074                          | 157.982 | 722.931      |
| 166.874                          | 157.982 | 722.905      |
| 166.874                          | 157.982 | 722.931      |