

## Noises at the front axle when cornering or maneuvering

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic number      | LI40.10-P-061032                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Version           | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function group    | 40.10 - Wheels, tires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Date              | 5/15/26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Validity          | 117.352 156.952 172.466/ 475 176.052 190.#77/ #78/ #80/ 379 197.#77/ #78 204.#77 205.#64 /#86/ #87 209.#77 212.#74/ #75/ #76/ #/77/ #92 213.#61/ #64/ #88 /#89 216.374/ 377/ 379 217.#77/ #78/ #79/ #87/ #88 218.#74/ #75/ #76/ #77/ #92 221.#74/ #77/ 179 222.#77/ #78/ 187/ 188/ 179 230.470/ 474 / 479 231.474/ 479 253.#64/ #88/ #89 166.#64/ #74/ #75 292.364/ 374/ 375 257.361 238.#61 177.#51/ #53/ #54 118.#51/ #53/ #54 290.6## 167.#61/ /#64/ #88/ #89 236.#62 214.#63 254.374 / #80 / #87 206.#80 / #87 223.182 232.4## 192.3## 247.651 / 751 / 753 / 754 |
| Reason for change | New model designations added                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

### Complaint

Noises at the front axle when cornering or maneuvering (video files attached)

#### Note:

Save video files locally and play them with Windows Media Player.

| Attachments  |                 |
|--------------|-----------------|
| File         | Description     |
| MVI_8720.mp3 | Sound recording |
| MVI_8721.mp3 | Sound recording |

### Cause

Driving with summer tires in combination with low outside temperatures.

At low outside temperatures or in wet conditions, a noise may be produced at the outer wheel on the front axle while maneuvering with sharp steering angles.

#### Note:

AMG vehicles with 4MATIC of model series 217 (without code 494) and model series 222 have a modified axle geometry compared with series production vehicles to provide more sporty handling.

The problem cannot be remedied by changing the axle settings.

## Remedy

Convert the vehicle to winter tires (service not covered by W&G)

Note (extract from the owner's manual):

Winter operation => Driving with summer tires:

...Summer tires lose a significant amount of their flexibility at low temperatures...

Convert your vehicle to M&S tires....

## Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

| Symptoms                                                             |
|----------------------------------------------------------------------|
| Chassis/suspension > Noises > Cracking                               |
| Chassis/suspension > Wheels/tires > Tire noises > Tire rolling noise |
| Chassis/suspension > Wheels/tires > Tire properties > Tires too hard |
| Chassis/suspension > Steering system > Noises > Cracking             |
| Chassis/suspension > Steering system > Noises > Chattering/knocking  |
| Chassis/suspension > Steering system > Noises > Clattering           |
| Chassis/suspension > Noises > Clattering                             |
| Chassis/suspension > Axle > Front axle > Noises > Knocks             |
| Chassis/suspension > Axle > Front axle > Noises > Cracking           |
| Chassis/suspension > Axle > Front axle > Noises > Clattering         |
| Chassis/suspension > Wheels/tires > Tire noises > Rhythmic knocking  |
| Chassis/suspension > Noises > Creaks                                 |

| Operation numbers/damage codes |                |      |             |      |
|--------------------------------|----------------|------|-------------|------|
| Op. no.                        | Operation text | Time | Damage code | Note |