

G-FACELIFT 2018: Knocking Noises From The Rear Area On Rough Roads

Topic number	LI32.25-P-069660
Version	3
Function group	32.25 - Shock absorbers, damper struts, spring struts
Date	8/3/21
Validity	Model 463 as of model year 2019 with adjustable damping (as of code XZ8 and code A20)
Reason for change	Remedy revised

Complaint

When driving over speed limiters, speed bumps or rough roads; knocking noises may be heard from the rear area of the vehicle.

In the "Sport" drive program, the noise is reduced or is no longer reproducible.

Cause

The design of the adjustable damping valves could possibly generate a knocking noise that is transferred into the interior.

Remedy

To localize the fault, check when in the "Sport" transmission mode or with the rear axle dampers unplugged. If the noise is reduced or the noise disappears, replace the rear-axle dampers in pairs.

The part numbers for the optimized dampers are available in the parts table.

Check the following points on the vehicle:

- On the rear axle, check the threaded connection of the transverse control arm for correct torque (AR35.20-P-0140XG)
- Check all screws/bolts on rear bumper for tight seating
- Adjust rear-end door (AR72.20-P-1032XG) and replace the stop buffer on the rear-end door
- Check exhaust system for tight seating and sufficient clearance from other component parts (AR49.20-P-0101XGA, AR49.20-P-0102XGA, AR49.10-P-4824XGA, AR49.10-P-4825XGA)
- Check all heat shields of the exhaust system for tight seating
- Check all remaining suspension screws/bolts on the rear axle for correct torque (AR35.10-P-0010XG)
- Check tank mount for tight seating (AR47.10-P-4100XGA)

XENTRY TIPS

Symptoms

Chassis/suspension > Noises > Knocks

Chassis/suspension > Noises > Thumping

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A4633203302			Damper	1	Engine M176 (Non-AMG)	X
A4633203402			Damper	1	Engine M176 (Non-AMG)	X
A4633203502			Damper	1	Engine M177 (AMG)	X
A4633203602			Damper	1	Engine M177 (AMG)	X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
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