



Technical Service Bulletin

37 Droning/vibrations in tight bends - 0CL gearbox

37 24 17 2074804/1 July 31, 2024.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, and A4 allroad	2017 – 2019	All	Not Applicable
A5, A5 Sportback, and A5 Cabriolet	2018 - 2019		

Condition

Customer statement:

- Vibrations, humming, droning, rubbing when steering wheel fully turned (see video file).

Workshop findings:

- The complaint can be reproduced. The noise can be assigned to the center differential. Identical vehicles (especially tire dimension and make) show the same symptoms under identical conditions.

Technical Background 1

Because of the different speed between front and rear final drive the locking effect of the central differential can differ significantly in tight bends. This locking effect has a positive effect on the driving dynamics, but the resulting tension of the drive train can lead to brief noises such as droning, vibrations or rubbing.

- This tension does not have a negative effect on the service life of the components.
- Please note that other factors can have a negative effect:
- Wheels: different tread depth, hardness, width, summer or winter wheels, different tire manufacturers (AO code).
- Additional tension in the drive train because of the wheel alignment.
- Possible noise transmission of the assembly mountings.
- Different acoustics depending on the body type.



The noises are not caused by other components in the drive train such as rear final drive or propshaft.

Production Solution

Not applicable.



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Service

- Perform the following repair only if all specified criteria (for instance PR number(s), part number, control unit data, software version etc.) match exactly. Otherwise, this solution won't work and repeat repairs may be necessary. In such a case, we may reject the warranty claim and not reimburse the parts.
- If the above conditions are confirmed, document your findings with an audio/video file.

For an example of the noise, see the video located at: <https://audi-external.kzoplatform.com/player/medium/2799846436068398990>

Or scan the QR code to the right (Figure 1).



Figure 01. Video example of droning/vibration noise

The noise can be minimized as follows:

- Warm up the vehicle.
- Drain the ATF oil of the S tronic gearbox completely.
- Fill in new ATF oil and warm up the vehicle again.
- Repeat the process.



There is no parts damage. The replacement of components does not fix the complaint.

Warranty

Claim Type:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	3434		
Damage Code:	0020		
Labor Operations:	Remove and install oil pump (1st oil change)	3472 19xx	According to APOS



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	Removed and install oil pump (2nd oil change)	3472 1999	50 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2074804/1		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Additional Information

All part and service references provided in this TSB (**2074804**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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