

Humming noises in drivetrain in area of rear axle when cornering

Topic number	LI35.31-P-066469
Version	4
Function group	35.31 Rear axle center assembly
Date	05-24-2018
Validity	Only affects vehicles in the production period from 06.04.2017 to approx. 30.06.2017
Reason for change	Operation item corrected
Reason for block	

Complaint:

Possible humming noises from the drivetrain in the area of the rear axle, especially during tight cornering in the lower speed range.

Attachments	
File	Description
Glc diff.mp3	Reference file (humming noises from the rear axle differential).
Mein Film.mp4	Reference file (humming noises from the rear axle differential).

Cause:

Additives in rear axle differential oil

Remedy:

Note:

Please follow the instructions in this document. The replacement of components (other than those named for processing) is not effective.

Remedy:

A test drive must be performed. For accurate analysis (localization) of the noise, the "Steelman Chassis Ear" noise diagnosis kit can be used, for example.

If the rear axle differential is unambiguously identified as the cause (noise source), the oil must be replaced. Observe the following:

1. Warm up the oil in the differential by means of a short test drive.
2. Drain the oil from the differential and fill it with new oil according to the parts list in the attachment. Please follow the procedure described in AR.35.31-P-0523OLC.

Note: To ensure that the differential is drained as completely as possible, both rear wheels should be rotated slowly 2-3 turns while draining. Make sure that as little residual oil as possible remains in the differential.

3. Please advise the customer that in isolated cases the problem may continue to occur for another 30 to 60 miles after the oil has been replaced.

XENTRY TIPS

4. If the problem is still present after the appropriate mileage, further action must be arranged via a PTSS case request.

Symptoms
Power transmission / Noises / Humming/droning

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0019898803	09		Mobilube FE Plus NG 75W-85	ca.0,8-0,9l	AR.35.31-P-0523OLC, only hypoid oils as per specification MB 239.71 are to be used (A 001 989 88 03 corresponds to Mobilube FE Plus NG 75W-85)	
A 352 997 00 32			Screw plug	2		X
A0029892371			Omnifit 100H sealant (50g)	geringe Menge	See AR.35.31-P-0523OLC	

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
00-1150	OIL CHANGE AT REAR AXLE DIFFERENTIAL	5AW	35001 G6	

Validity		
Vehicle	Engine	Transmission
C (205)	*	*
E (213)	*	*
E (238)	*	*
GLC (253)	*	*
S (222)	*	*
SLK/SLC 172	*	*