

2018 Mercedes Benz E63S AMG 4MATIC Sed (213.089) V8-4.0L Turbo (177.980)

Vehicle > Technical Service Bulletins

THROTTLE LIFT-OFF CLUNKING NOISES AT DRIVE SHAFTS OF REAR AXLE



Mercedes-Benz

- Throttle lift-off clunking noises at drive shafts of rear axle -

Topic number	LI35.30-P-058566
Version	6
Function group	35.30 Final drive, drive shafts
Date	10-12-2020
Validity	Model 171,172,203,204,205,207,209,211,212, 213,215,216,217,218,219,220,221,222,223,230,231,238,253,257,164,166,167,292,293 For model 203, 209, 171, as of approx. calendar week 21/04 coated with Molykote paint as standard
Reason for change	Validity updated.

Complaint

Single throttle lift-off clunking noise from the side shaft when moving off (audible at the outboard end). The noise is heard once in each instance when changing direction of travel.

Note: Sound file in attachment.

File

Beanstandung Lastwechselknacken.mp3

Designation

Sound recording of complaint

Cause

If the complaint is eliminated by experimentally loosening the outboard collar nut (by 1 turn), the problem is due to cracking of the microweld between the wheel bearing inner race and the joint housing of the side shaft.

Note: The collar nut must always be replaced after being loosened.

Remedy

Coat contact surface of side shaft with wheel bearing with Molykote paint. To do this, proceed as follows:

1. Remove side shafts
2. Clean contact surface A (see image file in attachment "Outer joint housing before") before coating with Molykote paint (free of dust and grease)
3. Coat contact surface A (see image file in attachment "Outer joint housing after") with Molykote and leave to dry for "one hour" in removed condition
4. Reinstall side shafts

Note: Before using low friction paint (Molykote) stir or shake it thoroughly.

File

Gelenkgehäuse aussen nach.jpg

Gelenkgehäuse aussen vor.jpg

Designation

After coating with Molykote paint

Before coating with Molykote paint

Symptoms

Symptom

Power transmission / Noises / Throttle lift-off clunking noise
Power transmission / Drive shaft / Axle shaft / Noises / Knocking/banging

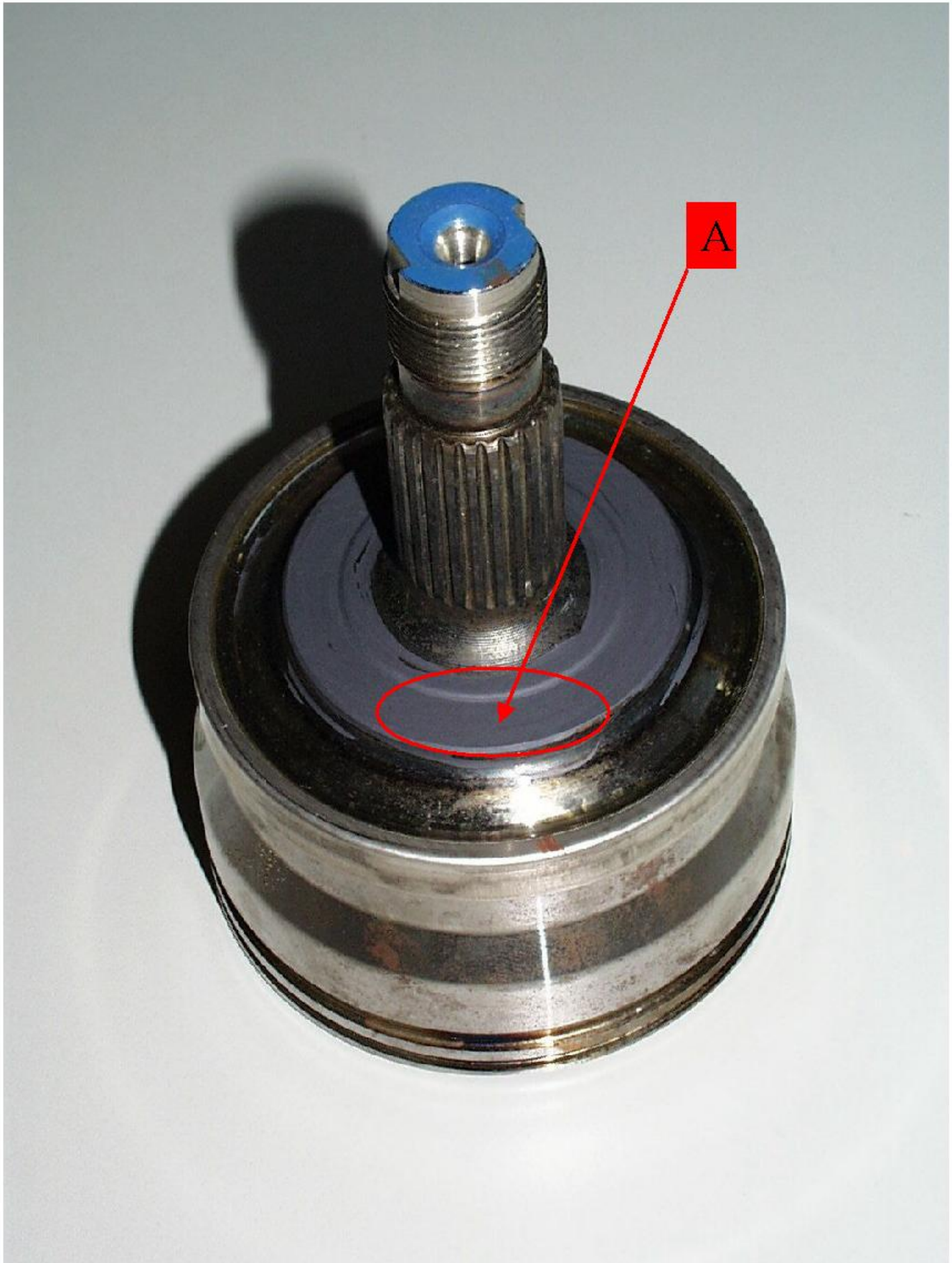
Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 000 989 01 52	10		Low-friction paint (Molykote)	1		X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
35-7230	REMOVE/INSTALL BOTH REAR AXLE SHAFTS		35S0234	
35-7230	REMOVE/INSTALL BOTH REAR AXLE SHAFTS		35D0234	

Gelenkgehäuse aussen nach



Gelenkgehäuse aussen vor

