

Scratching noises during gear-shift operation

Topic number	LI27.50-P-057355
Version	2
Design group	27.50 Gear assembly
Date	05-02-2016
Validity	Vehicles of model series 246, model series 176 and model series 117 with automatic transmission 7G-DCT and transmission sequence numbers 108.000 – 210.000. Affected production period: 01.12.2012 - 30.06.2013.
Reason for change	Remedy and production period adjusted
Reason for block	

Complaint:

Scratching noises during gear-shift operation.

Attachments	
File	Description
Schaltung 2-3IMG_0729.Mp3	Sound file

Cause:

Increased wear on synchronizations in transmission - usually most noticeable in 3rd gear.

Remedy:

On non-AMG vehicles, please replace both transmission output shafts.

For AMG vehicles, please submit a PTSS case, case will be reviewed by engineering.

Symptoms
Power transmission / Noises / Rattling
Power transmission / Automatic transmission / Noises / General
Power transmission / Automatic transmission / Noises / Grinding
Power transmission / Automatic transmission / Noises / Rattling
Power transmission / Noises / Grinding

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 246 260 43 20			Output shaft	1	for transmission model designation 724.002	X
A 246 260 06 00			Output shaft	1	for transmission model designation 724.002	X
A 246 260 42 20			Output shaft	1	for transmission model designation 724.003	X

XENTRY TIPS

A 246 260 05 00			Output shaft	1	for transmission model designation 724.003	X
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Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			2711B 36	3rd gear wheel for dual clutch transmission noise
54-7989	GROUND LINE			
83-1762	A/C DRAIN FILL	0.5		
01-2800	ENGINE TRANS R&R			includes underpanelling
27-2110	DEFLANGE TRANSMISSION			
27-4353	OUTPUT SHAFT R&R			includes drain/fill transmission fluid
27-4354	OUTPUT SHAFT DISASSEMBLE & ASSEMBLE			includes Output Shaft bearing
54-0650	12V			
54-1011	QUICK TEST			
83-6623	DESICCANT CARTRIDGE			