

Knocking Noise From Steering When Changing Steering Direction While Stationary Or When Driving Slowly

Topic number	LI46.35-P-068182
Version	3
Function group	46.35 - Electrical steering
Date	5/25/21
Validity	MODEL 205 except 4MATIC (code M005) up to vehicle manufacturing date 30.05.2021 MODEL 213 except 4MATIC (code M005) up to vehicle manufacturing date 30.05.2021 MODEL 238 except 4MATIC (code M005) up to vehicle manufacturing date 30.05.2021 MODEL 257 except 4MATIC (code M005) up to vehicle manufacturing date 30.05.2021
Reason for change	Damage code revised

Complaint

Knocking noise audible from the steering when changing the steering direction while stationary (with the engine running) or when driving slowly.

Attachments	
File	Description
movie.mp4	Knocking noise while moving steering wheel left and right

Cause

Relative movement of toothed rack in steering housing.

Remedy

Replace thrust piece on rack-and-pinion steering (AR46.20-P-0603LW)

Note: To do so, the new thrust piece repair kit must be ordered (see table of parts). This thrust piece is an aluminum thrust piece with two O-rings. As with the previous plastic thrust piece, this thrust piece must also be thoroughly greased all around when installing it. However, the thrust piece is more difficult to insert into the housing than the previous plastic thrust piece. It needs to be like this. Therefore proceed carefully during installation.

Attachments	
File	Description
001.pdf	Steering components (2 sides)

WIS-References		
Document number	Title	Note

XENTRY TIPS

AR46.20-P0603LW	Remove/install thrust piece on rack-and-pinion steering.	Model 205, 213, 238, 257 except code M005 (4MATIC)
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Symptoms
Chassis/suspension > Steering system > Noises > Cracking
Chassis/suspension > Steering system > Noises > Chattering/knocking
Chassis/suspension > Steering system > Noises > Clattering

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0029896451	11		Special grease	1	It is essential to use this special grease to carry out this repair method!	X
A2054603703			New thrust piece repair kit (aluminum thrust piece with two O-rings)	1	Repair kit includes: Thrust piece, thrust piece spring, thrust piece adjustment screw, rubber plug, large boot clamp	X
A2056281500			Steering gear mounting plate repair kit	1		X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			46480GC	Please use this damage code