

## Squeaking / grinding noise from electric steering when steering fully turned

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Topic number	LI46.35-P-068066
Version	2
Function group	46.35 Electrical steering
Date	05-31-2018
Validity	MODEL 205 except 4MATIC (code M005) MODEL 213 except 4MATIC (CODE M005) MODEL 238 except 4MATIC (code M005)
Reason for change	Text under Complaint revised (described in greater detail)
Reason for block	.

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### Complaint:

Squeaking/grinding noise audible from the electric steering in the area of the control head when the steering is fully turned after the engine has been running or the vehicle has been driven for some time (refer to sound recording).

The complaint only occurs at high outside temperatures (above 75 °F) accompanied by high air humidity (above 70%). It is most audible when steering when at a standstill or when parking .

The complaint can be attributed to the control head of the steering using the noise diagnosis kit.

### Note:

The topic of squeaking noise in the area of the lower steering shaft / firewall boot is covered in LI46.10-P-060550. Please note this.

Attachments	
File	Description
movie.mp4	Sound recording

### Cause:

Varying degrees of expansion for the plastic components in the torque sensor could lead to them grinding against each other.

### Remedy:

Replace steering gear.

Symptoms
Chassis/suspension / Steering system / Noises / Dragging/squealing

# XENTRY TIPS

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Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			46480 GA	

WIS-References			
Document number	Title	Note	Allocation
AR46.20-P-0600LW	Remove/install rack-and-pinion steering	Model 205/213	Remedy
AR46.20-P-06000LWO	Remove/install rack-and-pinion steering	Model 238	Remedy