

## Squeaking noise from area of lower steering column

Topic number	LI46.10-P-060641
Version	1
Design group	46.10 Steering wheel, casing tube, steering shaft, steering lock
Date	01-21-2015
Validity	Model 222 Model 217
Reason for change	

### Complaint:

Squeaking noise from the area of the lower steering shaft or from the firewall boot.

Attachments	
File	Description
Noise file.mp3	Noise

### Cause:

The guide tube detaches from the lower steering shaft (see video recording).

### Remedy:

Replace lower steering shaft.

### Procedure:

1. Put vehicle on lifting platform.
2. Turn steering wheel to straightahead position and secure to prevent it from turning.
3. Remove lower steering shaft.
4. Regrease boot of steering shaft before installing the new lower steering shaft (see parts list for grease).
5. Install new parts (see attachment) in the reverse order.

### Notes:

1. The attachment (spare parts overview) lists all the parts required for the repair.
  - Order part 1 (bolt) as per EPC.
  - Order part 5 (lower steering shaft) as per parts list in LI.
2. If and only if complaint vehicle of model 222 (up to ident number WDD222XXXA084533) the old version of steering coupling (see attachment "Distinguishing features of steering coupling") is installed, then parts 2, 3, and 4 must also be replaced. Part A: Old version / Part B: New version.
  - Order part 2 (lower steering coupling) as per parts list.
  - Order part 3 (nut) and part 4 (bolt) as per EPC.

### Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A2224602109			Lower steering shaft (part 5)	1	LHD/RHD (not for vehicles with code M005 or M274)	
A2224602209			Lower steering shaft (part 5)	1	LHD/RHD (only for vehicles with code M005 or M274)	
A 205 462 03 78			Lower steering coupling (part 2)	1	LHD/RHD (standard version)	X
A 205 462 04 78			Lower steering coupling (part 2)	1	LHD (for vehicles with code M651 or M642)	X
A 222 462 03 78			Lower steering coupling (part 2)	1	LHD (for vehicles with code M005 or M274)	X
A 222 462 03 78			Lower steering coupling (part 2)	1	LHD (for vehicles with code 642 together with M005)	X
A 001 989 84 51	10		Lubricating grease/ brake paste	1	Regrease boot	X

Attachments	
File	Description
Spare parts.pdf	Overview of parts
Version steering coupling.pdf	Distinguishing features of steering coupling

Work units				
Op. no.	Operation text	Time	Damage code	Note
			46211 36	Steering shaft/steering column noise
54-7989	BATTERY GROUND CONNECT / DISCONNECT			
46-7704	COLUMN COVER WITH STEERING SHAFT REMOVE / INSTALL			
46-7900	STEERING COUPLING REMOVE/INSTALL, INSPECT AND IF NECESSARY REPLACE			

WIS-References			
Document number	Title	Note	Allocation
AR46.10-P-8000RK	Remove/install steering coupling		Remedy
AR46.10-P-0621LF	Replace boot of steering shaft		Remedy
AR46.10-P-0400LF	Remove/install steering column tube		Remedy
AR46.10-P-8000LW	Remove/install steering coupling	Still approved for model 222 and model 217	Remedy