

Squeaking noise from area of lower steering shaft

Topic number	LI46.10-P-060641
Version	11
Function group	46.10 Steering wheel, jacket tube, steering shaft, steering lock
Date	09-12-2018
Validity	Model 222 (up to 30.04.2015) Model 217 (up to 30.04.2015)
Reason for change	kneebag ops

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 straight-ahead position and secure to prevent it from turning.
3. Remove lower steering shaft.
4. Install new parts (see attachment) in the reverse order.
5. Grease boot of steering shaft before installing the new lower steering shaft (see parts list for grease).
6. Check boot for correct seating (see "Correct installation position of boot").

Notes:

1. The attachment (parts overview) lists all the parts required for the repair.
 - Order part 1 (bolt) and part 6 (boot) as per EPC.
 - Order part 5 (lower steering shaft) as per parts list.
2. If, on a problem vehicle of model 222 (up to ident number WDD222XXA084533) the old version

XENTRY TIPS

of steering coupling (see attachment "Distinguishing features of steering coupling") is installed, then the 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.

Attachments	
File	Description
Mounting rubber boot.pdf	Correct installation position of boot

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	Left-hand drive vehicle (for vehicles with code M642 together with M005)	X
A 001 989 84 51			Lubricating grease/ brake paste	0.1	Grease boot	X

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

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			46211 36	Steering shaft/steering column noise
46-7405	STEERING BOOT INCLUDES LOWER SHAFT			
61-1087	ENGINE PANELLING			
54-7989	GROUND LINE			
68-4597	EXTRA FOR KNEEBAG			
54-0650	12V (KNEEBAG)			
54-1011	QUICK TEST (KNEEBAG)			

XENTRY TIPS

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-8000LW	Remove/install steering coupling	To be approved for model 222 and model 217	Remedy