

Humming, droning noises and/or vibrations in propeller shaft

Topic number	LI41.10-N-071526
Version	1
Function group	41.10 Propeller shaft
Date	07-23-2020
Validity	Model 907.#53 ## with code IR4 (wheelbase 3665 mm) and with code IT5 (5.0 tonne)
Reason for change	Part changed
Reason for block	

Complaint:

Humming, droning noises and/or vibrations in propeller shaft.

Information: Humming, droning noises and/or vibrations are noticeable in the propeller shaft assembly over a variable vehicle speed range.

Cause:

Incline angle of propeller shaft not optimally adjusted.

Remedy:

1. Change incline angle at propeller shaft intermediate bearing (1) using new 15 mm spacer disks (2). To do so, detach the relevant propeller shaft intermediate bearing (1) from the vehicle floor (see picture 01 and AR41.10-D-0050TS).

Information: It is not necessary to detach the propeller shaft or to completely remove the propeller shaft intermediate bearing (1).

Information: It is strictly essential to ensure that the existing spacer disks on the propeller shaft intermediate bearing (1) are not installed again.

Note: If the remedy described here does not rectify the issue, it is strictly essential to enter the part numbers of the newly installed 15 mm spacer disks (2) (see table of parts below) in "Vehicle Documentation" (VeDoc), under FO Texts.

Note: If the customer complaint was not rectified, create a PTSS case in accordance with the instructions in XENTRY TIPS document LI41.10-N-068968 (take into consideration SI00.00-S-0086A). All the information requested in XENTRY TIPS document LI41.10-N-068968 must be attached to the PTSS case.

Attachments	
File	Description
01.jpg	Change incline angle at propeller shaft intermediate bearing (1) using new 15 mm spacer disks (2).

Symptoms

XENTRY TIPS

Chassis/suspension / Noises / Humming/droning/throbbing
Chassis/suspension / Frame / Noises / Vibrates/makes noises
Power transmission / Drive shaft / Propeller shaft / Function / Vibration/out-of-balance
Power transmission / Drive shaft / Propeller shaft / Noises / Humming/droning

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 004 990 28 82			Shim	2		X
N 910143 012006			Hexalobular bolt			X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
41-6550	CHECK PROPELLER SHAFT INTER-MEDIATE BEARING	ZM	41058 36	Transmission - propeller shaft intermediate bearing (DS) - noise The listed damage code is not to be considered as an acceptance of costs. The general guidelines in the Warranty Manual apply.

WIS-References			
Document number	Title	Note	Allocation
AR41.10-D-0050TS	Remove/install propeller shaft		Remedy
SI00.00-S-0086A	Service Information: Guidelines for queries relating to technical complaints		Remedy
LI41.10-N-068968	Noise on propeller shaft/rear axle from approx. 25mph		Remedy

Validity		
Vehicle	Engine	Transmission
Sprinter 907 - 907.153	*	*
Sprinter 907 - 907.253	*	*
Sprinter 907 - 907.653	*	*

Attachments

XENTRY TIPS

01.jpg:

