

Howling and whistling noises from area of center bearing of propeller shaft

Topic number	LI41.10-P-065520
Version	2
Function group	41.10 Propeller shaft
Date	01-17-2018
Validity	Affects model series 253 up to production 12.2016
Reason for change	Remedial action adapted.
Reason for block	

Complaint:

Howling noises (see reference file in attachment) in the drive train in the area of the propeller shaft center bearing.

Complaint may occur under following operating parameters:

- At outside temperatures below +5 °C
- In a vehicle speed range of 30 km/h - 70 km/h
- When accelerating under a light load
- Complaint disappears after short distance (approx. 2-3 km)

Attachments	
File	Description
Geräusch205.mp3	Reference file (howling noises from intermediate bearing of propeller shaft).
VID-20161209-WA0000.mp4	Reference file (howling noise from intermediate bearing of propeller shaft).

Cause:

Resonance in the intermediate bearing of propeller shaft (grooved ball bearing).

Remedy:

A test drive must be performed. For accurate analysis (localization) of the noise, use the "Steelman Chassis Ear" noise diagnosis kit (SI 58.40-P-0036A). If the intermediate bearing (deep-groove ball bearing) of the propeller shaft is clearly identified as being the reason for the complaint (source of noise), the manufacture date of the propeller shaft must be checked (located on adhesive label with object number, see sample picture in attachment).

- If a propeller shaft with production date 2016 is installed in the vehicle it has to be replaced.
- If a propeller shaft with production date 2017 or earlier is installed in the vehicle, please create a case to contact product support.

Note: The object numbers of the propeller shaft have not changed.

XENTRY TIPS

Attachments

File	Description
Fertigungsdatum Gelenkwelle.pdf	Manufacture date of propeller shaft

Symptoms

Power transmission / Noises / Howling/whistling

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
41-2020	REMOVE/INSTALL PROPELLER SHAFT (2-PIECE), ESTABLISH FINDINGS		41012 36	
41-6135	REPLACE PROPELLER SHAFT (2-PIECE) (REMOVED)		41012 36	

Validity

Vehicle	Engine	Transmission
GLC (253)	*	*