

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

Topic number	LI41.10-P-065520
Version	1
Design group	41.10 Propeller shaft
Date	01-10-2017
Validity	Affects model series 253
Reason for change	
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 occurs under following operating parameters:

- At outside temperatures below +5 °C (41 °F)
- In a vehicle speed range of 30 km/h - 70 km/h (18-44 mph)
- When accelerating under a light load
- Complaint disappears after short distance (approx. 2-3 km, (1-2 miles))

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:

Possible 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). Currently, if the intermediate bearing (grooved ball bearing) of the propeller shaft was clearly identified as the cause (noise source), the propeller shafts may not be replaced.

Optimized parts will be available as from week 04/2017.

Note: Please do not replace any components as this will not remedy the complaint at this time.

Symptoms

XENTRY TIPS

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	