

Creaking/crackling noises from area of front axle wheel bearing

Topic number	LI33.20-P-054920
Version	3
Design group	33.20 Wheel location, wheel hubs
Date	01-27-2017
Validity	MODEL 166 MODEL 231 MODEL 292 MODEL 222 MODEL 217
Reason for change	Validity changed
Reason for block	

Complaint:

Creaking/crackling noises from the area of the wheel bearing on the front axle when cornering/ maneuvering.
It is essential to listen and compare the complaint to the sound file "1.mp3".

Attachments	
File	Description
1.mp3	Reference sound

Cause:

Relative movement between wheel bearing unit and steering knuckle.

Remedy:

1. Remove the affected wheel bearing.
2. Clean the contact surfaces of the wheel bearing and steering knuckle with brake cleaner (see areas marked blue in pictures "2.jpg" and "3.jpg").

NOTE: The face of the wheel bearing and the seals must not be allowed to come into contact with the cleaner otherwise the sealing rings will be damaged.

3. Clean threads of wheel bearing mounting.
4. Thinly coat the contact surfaces of the wheel bearing and steering knuckle with Molykote (annular joint grease) (see areas marked blue in pictures "2.jpg" and "3.jpg").
5. Reinstall the wheel bearing.

NOTE:

- It is not necessary to replace the wheel bearing.
- Determine part numbers for VIN from EPC.

Attachments	
File	Description
2.jpg	Molykote on steering knuckle
3.jpg	Molykote on wheel bearing

XENTRY TIPS

Symptoms
Chassis/suspension / Noises / Cracking
Chassis/suspension / Noises / Creaks

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 001 989 03 51			Annular joint grease	1		X

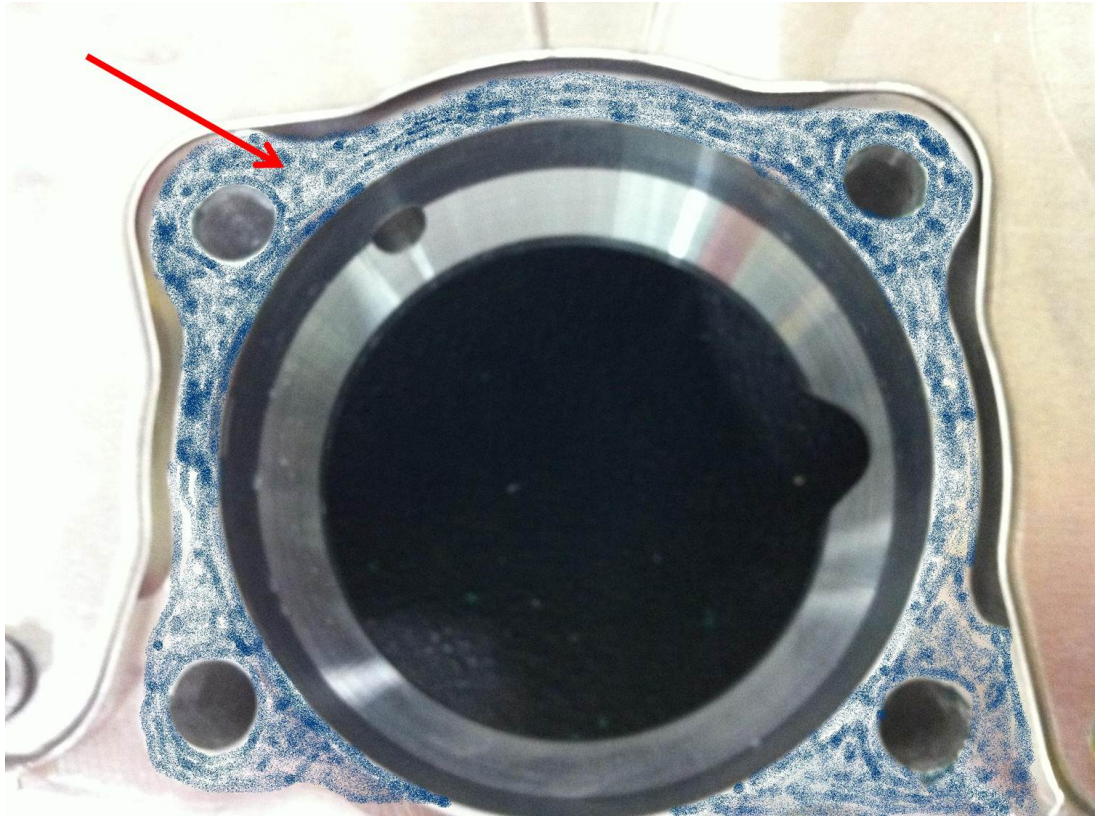
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
33-3000	REPLACE FRONT WHEEL BEARING, LOCATION: ...	s. ASRA	33C02 36	MODEL SERIES 166, MODEL SERIES 231
33-3000	REPLACE FRONT WHEEL BEARING, LOCATION: ...	s. ASRA	33R02 36	MODEL SERIES 166, MODEL SERIES 231
33-3003	REMOVE/INSTALL FRONT WHEEL BEARINGS (BOTH), REPLACE IF NECESSARY	s. ASRA	33224 36	MODEL SERIES 166, MODEL SERIES 231

WIS-References			
Document number	Title	Note	Allocation
AR33.20-P-0302GQ	Remove/install wheel bearing	Model series 166	Remedy
AR33.20-P-0302RK	Remove/install wheel bearing	Model series 231	Remedy

Attachments

XENTRY TIPS

2.jpg:



3.jpg:

