

Check Tie Rod Inner Joint Of Steering Gear

Topic number	LI46.35-P-071462
Version	1
Function group	46.35 Electrical steering
Date	07-21-2020
Validity	Model: All with electric steering
Reason for change	Added under remedy: => replace tie rod inner joint

Complaint:

Knocking noises when driving or steering

Attachments	
File	Description
001.mp4	Tie rod inner joint OK

Cause:

- Possible wear in tie rod inner joint
 - Possible corrosion / water ingress due to damaged boot
- > caused e.g. by cracks, animal bites, high pressure cleaners

Remedy:

Check wear of tie rod inner joint using the following procedure.

1. Check boot on steering for damage. Boot damaged: Replace steering => Not warranty.
2. Unbolt tie rod outer joint from tie rod inner joint
3. Move the inner joint around multiple times with circular movements of the tie rod
4. Position tie rod horizontally and release it
 - If the tie rod does not drop down or only drops down slowly => play in the tie rod inner joint is OK (see video 001)
 - If the tie rod drops down quickly => the play in the tie rod inner joint is not OK => replace the tie rod inner joint