

## Noticeable Vibrations At Steering Wheel

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Topic number	LI46.35-P-062791
Version	13
Function group	46.35 - Electrical steering
Date	6/13/22
Validity	Model 253 and 293.
Reason for change	

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### Complaint

1. Vibrations noticeable at steering wheel when front axle is excited when driving at a speed between 65 km/h and 130 km/h over an obstacle.

- Driving over deeply recessed manhole covers
- Driving over cross joints
- Driving over extreme surface undulations

2. Permanent or long-lasting vibrations at specific speed or engine speed noticeable on steering wheel.

- Roadway surface excitations when DTR+Q is switched on

### Cause

Control oscillations in the electric power steering.

### Remedy

Perform software update of electric power steering (N68).

<b>Symptoms</b>
Power transmission > Drive shaft > Propeller shaft > Function > Vibration/out-of-balance
Power transmission > Drive shaft > Axle shaft > Function > Vibration/out-of-balance
Chassis/suspension > Wheels/tires > Tire properties > Vibration/out-of-balance
Chassis/suspension > Steering system > Steering wheel > Vibrates
Chassis/suspension > Steering system > Steering wheel > Pulses

<b>Operation numbers/damage codes</b>				
Op. no.	Operation text	Time	Damage code	Note

# XENTRY TIPS

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			4649490	Electric rack-and-pinion steering control unit - Software release
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