

## Noticeable vibrations at steering wheel

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Topic number	LI46.35-P-062791
Version	8
Function group	46.35 Electrical steering
Date	01-25-2018
Validity	Model 253
Reason for change	Thrust piece adjustment deleted/ note on addon software incorporated
Reason for block	

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### Complaint:

1. Temporary vibrations (max. 2 seconds) noticeable on steering wheel when front axle excited when driving over road irregularities at a speed between 45 mph and 90 mph (70 km/h and 150 km/h).

### Excitation examples:

- 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.

### Cause:

1. Possible control oscillations in the electric power steering..

2. In these cases, please create a PTSS case.

### Remedy:

#### Cause 1:

1. Update software for electric steering (N68).

- For XENTRY Diagnostics DVD 09/17, install addon 9025

- For XENTRY Diagnostics DVD 12/17, install addon 9024

#### Note:

- If the problem is still present after the software update, please create a PTSS case.

#### Cause 2:

2. In these cases, please follow appropriate diagnostic steps and submit a PTSS case if further assistance is necessary.

# XENTRY TIPS

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Symptoms
Chassis/suspension / Steering system / Steering wheel / Vibrates
Chassis/suspension / Steering system / Steering wheel / Pulses
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

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			46494 90	Electric rack-and-pinion steering control unit - Software release