

Steering wheel vibrates or steering has excessive resistance

Topic number	LI46.25-P-058633
Version	1
Design group	46.25 Hydraulic/electrohydraulic steering
Date	03-06-2014
Validity	Model series 461/463 as of VIN X205070 up to X219189
Reason for change	
Reason for block	

Complaint:

Vibrations at the steering wheel or steering system has excessive resistance

Cause:

Possible contamination of steering gear

Remedy:

Check hydraulic fluid of power steering for metal shavings. To do this, open the expansion reservoir of the power steering and hold a magnet in the hydraulic fluid for approximately 30 seconds with the engine running. If only very fine particles are found, the steering gear is OK.

If no shavings are found:

- If there are vibrations, replace the steering gear box. Check drained fluid for shavings again. If shavings are found, replace all oil-carrying components of the steering system.
- If the steering has excessive resistance, check the pressure of the power steering pump and the settings of the manual and hydraulic steering stop.

If shavings are found:

- Replace steering gear and all oil-carrying components of the steering.

Symptoms
Chassis/suspension / Steering system / Steering noise / Humming/vibrations
Chassis/suspension / Steering system / Steering System Function / Stiff movement

Validity		
Vehicle	Engine	Transmission
G (461)	*	*
G (463)	*	*