

## Humming, droning from the drivetrain on vehicles with all-wheel drive (4x4)

Topic number	LI35.00-N-060958
Version	2
Design group	35.00 General
Date	06-09-2015
Validity	Valid for Sprinter 906 with 5-speed automatic transmission 722.6XX (code G40) and all-wheel drive (code ZG1 or ZG3)
Reason for change	Clarification to topic validity
Reason for block	

### Complaint:

Humming, droning from the drivetrain of vehicles with all-wheel drive (4x4).

- At constant speed above approx. 80 km/h (55 mph).
- When coasting in deceleration mode just before coming to a stop.
- Under gentle loads in the rpm range between 1800 and 2200 rpm.

### Cause:

The rear axle tends to vibrate (in this combination of drivetrain) and this vibration is transmitted into the interior by the leaf springs, where it is heard as a noise.

### Remedy:

- Perform a test drive with the customer in order to reproduce the complaint.
- Check the change for conversions, upgrades and modifications (equipment installed as per body manufacturer specifications).
- Create a PTSS case with an accurate description of the complaint and documentation of the actual configuration of the vehicle.
- Case will be escalated to Engineer for analysis.

<b>Symptoms</b>
Power transmission / Power transmission, noise / Throbbing/intermittent humming
Chassis/suspension / Chassis, noises / Humming/droning/throbbing
Chassis/suspension / Chassis, noises / Vibrating
Power transmission / Power transmission, noise / Humming/droning

<b>Validity</b>		
Vehicle	Engine	Transmission
Sprinter III	642	722.683

# XENTRY

Sprinter III	642	722.685
Sprinter III	642	722.684
Sprinter III	642	722.686
Sprinter III	651	722.683
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