

Clunking noise on load change or gear engagement

Topic number	LI28.00-N-063339
Version	5
Function group	28.00 - General
Date	12/1/25
Validity	MODEL 906 - 4x4 and 907 - 4x4 (Option code ZG3)
Reason for change	change to damage code

Complaint

Clunking noise can be heard on some load changes or when changing from N->R or N->D

Cause

Movement of transfer case splines

Remedy

Apply bearing retainer (green) Loctite to both output shaft splines of the transfer case.

Loctite 648, 609 and 603 are acceptable for this repair.

Note: Do not apply Loctite to input shaft (connection with transmission) splines of the transfer case else possible damage could occur.

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

Symptoms
Power transmission > Noises > Throttle lift-off clunking noise
Power transmission > Noises > Knocks
Power transmission > Transfer case > Noises > Throttle lift-off clunking noise
Operation numbers/damage codes

XENTRY Tips

Op. no.	Operation text	Time	Damage code	Note
284225	LOCTITE SPLINES	H	28001G6	