

Model series 290 - Rear axle steering: Message in IC, quick test returns 'actuator blocked' fault

Topic number	LI46.80-P-078043
Version	2
Function group	46.80 - Auxiliary rear axle steering, auxiliary steering axle (ZL), electro-hydraulic auxiliary steering (EHZ)
Date	9/20/24
Validity	Model series 290 with SA code 201
Reason for change	Updating language in remedy to follow DTC guided test if HW/SW combination does not match exactly.

Complaint

Message in the instrument cluster regarding rear axle steering

- In the short test, the fault > Actuator blocked < appears

Cause

Vehicle may detect high adjustment force in the rear axle steering.

Remedy

NOTE: If hardware and software numbers do not match exactly what is listed below, please follow DTC guided tests.

Old Hardware: A 290 460 3300 / 3400 > SW A 290 902 7400

Caution! This hardware cannot be flashed with the new software version.

Only the current hardware with the corresponding previous software release can be flashed. If the vehicle still has the old hardware installed, do not attempt to flash; instead, please create a TIPS case.

Current Hardware: A 290 460 3900 / 4000 >> SW A 290 902 5101

This hardware can be flashed with A 290 902 1005.

Flash control unit N68/3 and N68/4 with current software release A 290 902 1005 using XD.

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 equip-

ment. 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
Chassis/suspension > Steering system > Rear axle steering (HAL) > Display message > Rear axle steering, fault
Chassis/suspension > Steering system > Rear axle steering (HAL) > Function > Malfunction

Control unit/fault code	
Control unit	Fault text
N68/4 - Rear axle steering (HAL) (HAL290R)	C112571 - The rear axle steering has a malfunction. The actuator is blocked.
N68/3 - Rear axle steering (HAL) (HAL290L)	C112571 - The rear axle steering has a malfunction. The actuator is blocked.

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