

Hard 1-2 shift, jolting when moving off on C43 & SL43

Topic number	LI27.60-P-076554
Version	5
Function group	27.60 - Gearshift, control
Date	4/28/25
Validity	MODEL 206/232 with ENGINE M139 and TRANSMISSION 725.103 or 725.164
	This does NOT include the GLC43
Reason for change	Updated Remedy to include checking for VGS SW

Complaint

- Hard 1-2 shift
- Jerky shifting
- Jolting when moving off

Cause

Insufficient data points for the adaptation limits algorithm

Remedy

A software bundle has been released. Please check for available software in the VGS Control Unit.

Please carry out the following:

- Update all control units included with VGS Control Unit software update
- Check the transmission oil level and correct if necessary
- Rinse the valves 3 times via XENTRY
- Perform a stationary standstill adaptation
- Collect EEPROM data

If the problem persists, please perform driving adaptations of the 4-5 upshift (4-5 shift adapts K81 for 1-2) at least ten to fifteen times:

- Level track (no incline/decline)
- Slippery drive program
- Display the torque in the instrument cluster: The torque must be between 100 and 250 Nm, preferably closer to the maximum torque
- Constant engine torque
- Engine speed under 2500 rpm
- Do not shift via paddle
- Collect a new EEPROM data after all adaptations are complete

If the problem persists OR this is a return visit after the software update, please create a TIPS case with the following attachments:

- Initial Quick Test w/ Freeze frame data
- VGS Control Unit Log
- All collected EEPROM files

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 > Automatic transmission > Function > Poor shift quality				
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note