

Complaints about transmission function after replacing the electrohydraulic control unit (EHS valve body) in transmission 725.0 or 725.1

Topic number	LI27.35-P-079971
Version	1
Function group	27.35 - Valve body
Date	11/10/25
Validity	NAG3C 725.0 and NAG3M 725.1 Transmissions
Reason for change	Additional documentation for correct repair procedure

Complaint

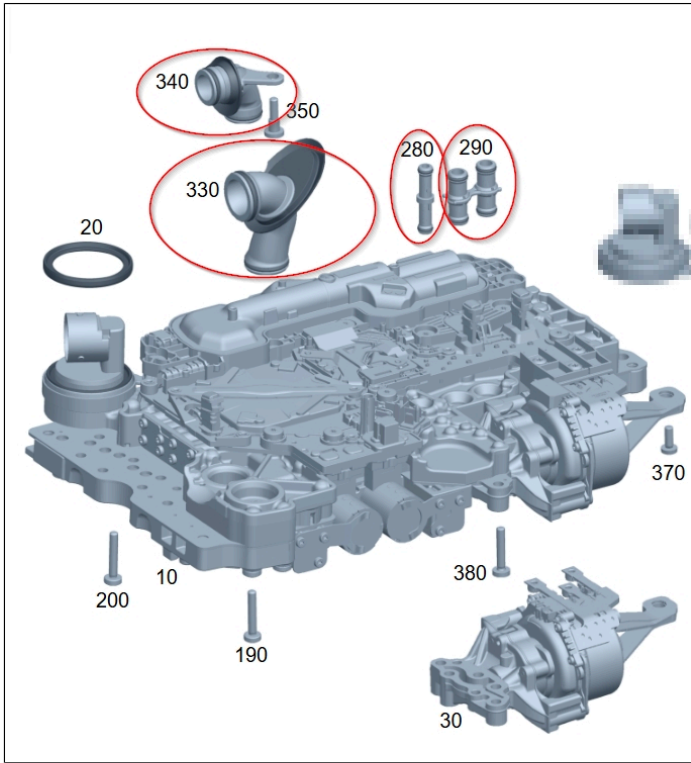
Possible complaints about shift quality, issues with learning the park lock, and slipping/rinse entries in the EEPROM or Transmission Health system following the replacement of the below components:

- The electrohydraulic control unit (EHS valve body) in transmission 725.0/725.1
- The repair kit for the control unit (VGS) in transmission 725.0

Cause

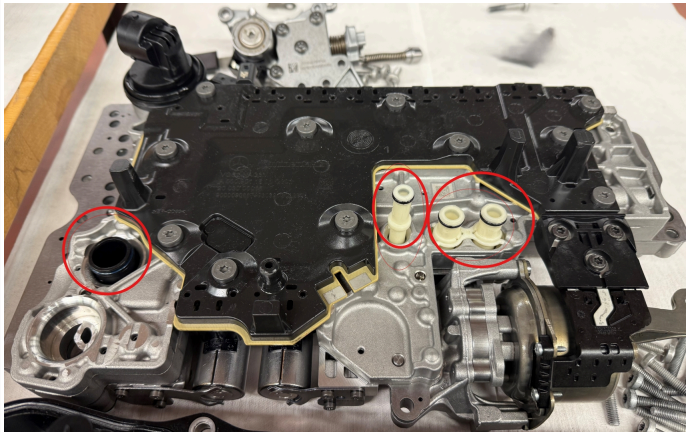
Missing, incorrectly installed, or damaged guide tubes on the EHS valve body.

Attachments	
File	Description
EHS_725.0.jpg	280, 290, 330, 340



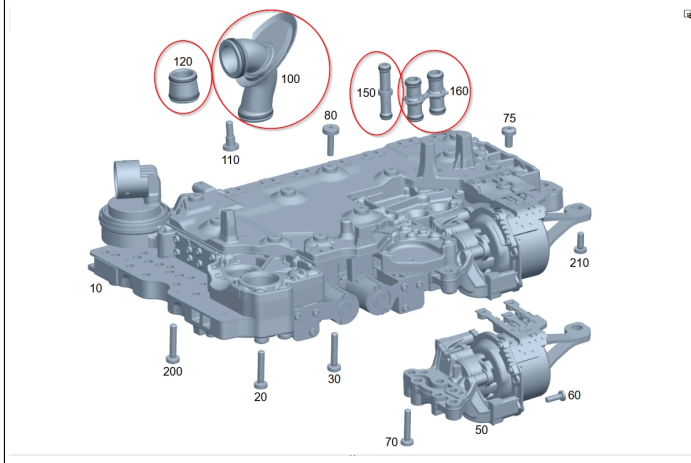
[EHS_MOPF_Steigröhrchen3.jpg](#)

725.1 and 725.0 (AMG) Guide pipe installation



[EHS_725.1 and 725.0 \(AMG\).jpg](#)

100, 120, 150, 160



Remedy

Check for the correct installation of the guide tubes (refer to attachments under "Cause"), correct installation if necessary.

Parts Catalog References:

NAG3M 725.1 AND NAG3C 725.0 (AMG only): Part numbers 100, 120, 150, 160

NAG3C 725.0 (Non AMG): Part numbers 280, 290, 330, 340

NOTE: If any of these guide tubes are not installed and the vehicle is driven, it will create several rinse and slipping events in the EEPROM data. These values caused by incorrect installation need to be erased to prevent future misdiagnosis.

Submit a TIPS case to the Powertrain inbox with the following to receive the necessary reset password:

- Initial Quick Test w/ Freeze frame data
- VGS Control Unit Log
- IPR Result
- Initial EEPROM data (before repairs)
- Latest EEPROM data
- Photo of oil level ultrasonic measurement next to XENTRY specifications

Please provide detail regarding the reasoning for the initial replacement in your workshop findings and measures performed.

(This topic was covered in the July 2022 and July 2024 Passenger Car Tech Topics)

Attachments	
File	Description
July 2022 Passenger Car Tech Topics.pdf	Pages 30-31
July 2024 Passenger Car Technical Topics.pdf	Pages 26-27

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 > Malfunction
Power transmission > Automatic transmission > Function > Shifts
Power transmission > Automatic transmission > Function > Poor shift quality

Control unit/fault code	
Control unit	Fault text
Y3/8 - Transmission control for 9-speed transmission (VGS) (VGSNAG3)	-
N15/15 - Transmission control for 9-speed transmission (VGS) (VGS2NAG3M)	-

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
		H	2781A	
		H	2781B	
		H	2780Z	
		H	27815	