

## Y3/8n4 (fully integrated transmission control unit (VGS)) not listed in quick test; no communication possible with VGS

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Topic number	LI27.19-P-072588
Version	3
Function group	27.19 - Transmission - electrical system
Date	9/16/25
Validity	Automatic transmissions 722.9, 724.2 and 725.0, 725.1, 724.0. 724.1
Reason for change	Update wording/formatting for more clarity

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### Complaint

Transmission control unit Y3/8n4 (fully integrated transmission control unit (VGS)) not listed in quick test and/or no communication possible with VGS.

### Cause

Transmission control unit Y3/8n4

### Remedy

For vehicles with 722.9 transmission:

Ensure LI54.15-P-057373 is performed before replacing any component parts.

After processing and complying with the above document(s):

1. Perform an ignition reset on Y3/8n4 (VGS)
2. Inspect transmission connector for loose connections, damaged wiring or pins and any other concerns

If communication with the VGS cannot be established, the complete valve body ('electrohydraulic controller unit (EHS)') must be replaced.

Installation of a VGS repair kit is not permitted in this case as it is not possible to transfer the necessary valve characteristics without communication with the original control unit.

### 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

# XENTRY Tips

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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.

<b>Symptoms</b>
Power transmission > Automatic transmission > Function > Malfunction
Power transmission > Automatic transmission > Function > Electrical fault/Fault code

<b>Control unit/fault code</b>	
Control unit	Fault text
Y3/8 - Transmission control for 9-speed transmission (VGS) (VGSNAG3)	-
Y3/8n4 - Fully integrated transmission control (VGS) (VGS4NAG2)	-
Y3/8n4 - Transmission control for 7-speed transmission (VGS) (VGSNAG2)	-

<b>Operation numbers/damage codes</b>				
Op. no.	Operation text	Time	Damage code	Note
			5455373	Transmission control unit - electrical fault