
Automatic transmission limp-home mode, fault codes 0717, 0718, 0722, 0723, 2200, 2201, 2204, 2205, 2206, 2207, 2767, 2768, P071700, P071800, P072200, P072300, P276700, P276800

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| Topic number | LI27.50-P-049710 |
| Version | 11 |
| Design group | 27.50 Gear assembly |
| Date | 02-19-2014 |
| Validity | Automatic transmission 722.9, it is not possible to repair the EHS (VGS) in AMG vehicles |
| Reason for change | Part number adapted |

Complaint:

Automatic transmission 722.9 switches to limp-home while driving (gearshifts no longer possible) and/or one or more of the following fault codes are stored or current:

For vehicles with VGS1

2200, 2201, 2204, 2205, 2206, 2207

For vehicles with VGS2 or VGS3

0717, 0718, 0722, 0723, 2767, 2768

For vehicles with VGS4 (with DAS3 or DAS4)

P071700, P071800, P072200, P072300, P276700, P276800

Cause:

Rpm sensor fault

Remedy:

For one or more of the following VGS1 fault codes:

2200, 2201, 2204, 2205, 2206, 2207

the complete EHS must always be replaced (please note SI27.19-P-0007B)

For one or more of the following VGS2 or VGS3 fault codes:

0717, 0718, 0722, 0723, 2767, 2768

Process the rpm sensor fault code completely using the DAS/Xentry guided test (possible as of DVD 01/2011 and add-on 1740 or a later DVD version). This may entail a repair of the EHS. In this instance, Star Diagnosis automatically initiates the guided test and automatically reads out the adaptation data and characteristics from the old control unit.

For one or more of the following VGS4 (with DAS3 or DAS4) fault codes:

P071700, P071800, P072200, P072300, P276700, P276800

Please process the rpm sensor fault code completely using the DAS/Xentry guided test. This may entail a repair of the EHS. In this instance, Star Diagnosis automatically initiates the guided test and automatically reads out the adaptation data and characteristics from the old control unit.

If Star Diagnosis notifies you that the fault code can be ignored and deleted, then contrary to the previous procedure and with immediate effect a repair is no longer required!

The repair may only be performed using the EHS repair kit. Only the transmission control unit, which is bolted onto the electrohydraulic controller unit (EHS), is to be replaced.

If the repair is interrupted for any reason after reading out the adaptation data and characteristics from the old control unit, e.g. if the EHS repair kit is not available, then the data retrieved remains stored in Star Diagnosis unit until it is re-connected to the problem vehicle and the data is transferred automatically OR until an update of the Star Diagnosis unit is performed with a new DVD or add-on.

For additional information on all matters concerning the EHS repair, please see the Akubis direct film:

"Replacement of "fully integrated transmission control" (VGS) controller unit at electrohydraulic controller unit (EHS) on automatic transmission 722.9"

Please use damage code 53376 73 Sensor fault, internal transmission rpm, or 27257 73 Turbine rpm sensor.

Note: It is not possible to repair the EHS (VGS) in AMG vehicles.

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| Symptoms |
| Power transmission / Automatic transmission / Automatic transmission - function / Limp-home mode |
| Power transmission / Automatic transmission / Automatic transmission - function / Electrical fault/Fault code |

| Parts | | | | | | | |
|-----------------|-----|-----|---|----------|---|-----|-----------------|
| Part number | ES1 | ES2 | Designation | Quantity | Note | EPC | Other make part |
| A 000 270 26 00 | 80 | | Controller unit repair kit | 1 | The oil filter has been deleted from the parts kit; please order the oil filter separately. | X | |
| A 000 270 35 00 | | | Controller unit repair kit (VGS4 with DAS4) | 1 | Oil filter not included in repair kit; must be ordered separately. | X | |
| A 000 270 34 00 | | | Controller unit repair kit (VGS4 with DAS3) | 1 | Oil filter not included in repair kit; must be ordered separately. | X | |

| Work units | | | | |
|------------|----------------|------|-------------|---|
| Op. no. | Operation text | Time | Damage code | Note |
| | | | 27257 73 | Turbine rpm sensor |
| | | | 53376 73 | Sensor fault, internal transmission rpm |

| WIS-References | | | |
|-----------------|--|--|------------|
| Document number | Title | Note | Allocation |
| AR27.19-P-0220B | Disassemble/assemble electrohydraulic controller unit | Repair kit | Remedy |
| AR27.19-P-0200W | Remove/install electrohydraulic controller unit (transmission installed) | Replacement of complete electrohydraulic controller unit | Remedy |