

ESP/Brake or Steering Yellow Instrument Cluster Light - Steering Column Module (N80) with C220564 "There is an internal fault in the steering angle sensor. There is an implausible signal." - Valeo Supplier

Topic number	LI46.10-P-079374
Version	2
Function group	46.10 - Steering wheel, jacket tube, steering shaft, steering lock
Date	3/25/26
Validity	214, 223, 206, 296, 297, 254, 236, 294, 295 with N80 ("SCM" - Steering Column Module) from the supplier, Valeo.
Reason for change	Updating Remedy.

Complaint

Customer concern for ESP/Brake or Steering yellow instrument cluster message AND C220564 in the N80 Steering Column Control Module (Valeo Parts only).

To check which supplier steering column module is present in the vehicle, see attachment "Supplier Identification".

Attachments

File	Description																				
Supplier Identification.jpg																					
<table><tr><th colspan="4">N80 - Steering column module (SCM)</th></tr><tr><th>Model</th><th>Part number</th><th>Supplier</th><th>Version</th></tr><tr><td>Hardware</td><td>297 901 76 04</td><td>Valeo</td><td>21/31 000</td></tr><tr><td>Software</td><td>223 902 21 27</td><td>Valeo</td><td>22/13 001</td></tr><tr><td>Boot software</td><td>---</td><td>---</td><td>21/31 000</td></tr></table>		N80 - Steering column module (SCM)				Model	Part number	Supplier	Version	Hardware	297 901 76 04	Valeo	21/31 000	Software	223 902 21 27	Valeo	22/13 001	Boot software	---	---	21/31 000
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Cause

Triggered due to communication related software timing.

Remedy

New software A2239026336.

Update N80 (Steering Column Module) to at least target software A2239026336, clear codes, and ignition cycle the vehicle.

If DTC is still present, re-flash N80 and clear DTC's.

Is DTC still present?

No --> Bus sleep the vehicle. After bus sleep check for DTC again. If DTC is not present, release vehicle.

Yes --> Open a TIPS case to the Body/Chassis/Entertainment inbox.

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				
Chassis/suspension > Steering system > Function > Parameter function				
Chassis/suspension > Steering system > Display message > Pow. steer. faulty Serviced Required				
Control unit/fault code				
Control unit		Fault text		
N80 - Steering column module (SCM) (SCCM223)		C220564 - There is an internal fault in the steering angle sensor. There is an implausible signal.		
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note