

Shock Symbol with "Do Not Drive Over 50MPH" Instrument Cluster Notification - U013281 and C156F00 in A108/X Active Roll Stabilization Control Units

Topic number	LI32.35-P-079752
Version	2
Function group	32.35 - Stabilizer
Date	2/12/26
Validity	167 (GLE and GLS), 223, and 294 with Option Code 465 AMG ONLY
Reason for change	Updating Remedy

Complaint

Shock symbol in instrument cluster with "Do Not Drive Over 50MPH" message

AND

DTC's in A108/2 or A108/3:

U013281 - Communication with control unit "Suspension" has a malfunction. Incorrect data were received.

C156F00 - The signal values of the level sensors are implausible.

Cause

Physical layer wiring to the level control sensors B22/X.

Remedy

Check A108/2 and A108/3 for freeze frame data section "ZF_error_handler". The text will provide a good place to start.

Example: "SPC_FEHLER_VehLvl_Stat_HP_AMG_AR2_SNA_VehLvl_RR_V2_AMG" indicates the Right Rear may have initiated the DTC. See attached picture for reference.

Is concern reproducible? If so, watch actual values in Xentry and see which sensor is setting the implausible value.

Use Hioki to measure wiring to all four level sensors from N51/8.

Use above DTC freeze frame data to physically inspect specific wiring as mentioned in the freeze frame data above.

Check all level sensors for damage, correct mounting, level sensors bound or not moving, etc...

If vehicle exhibits concern after all of the above is completed, please open a TIPS case to the Body, Chassis, Entertainment Inbox.

Attachments																																																																																																																																																					
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<p>A108 U013281 Handler.png</p> <p>A108/3 - Active roll stabilization REAR (Roll control) -i-</p> <table border="1"> <thead> <tr> <th>Model</th> <th>Part number</th> <th>Supplier</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>Hardware</td> <td>167 901 47 06</td> <td>ZF</td> <td>20/21 000</td> </tr> <tr> <td>Software</td> <td>167 902 19 11</td> <td>ZF</td> <td>20/42 001</td> </tr> <tr> <td>Software</td> <td>167 903 92 05</td> <td>ZF</td> <td>20/42 000</td> </tr> <tr> <td>Boot software</td> <td>167 904 87 00</td> <td>ZF</td> <td>19/22 000</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Diagnosis identifier</th> <th>Control unit variant</th> <th>Series</th> <th>R09</th> </tr> </thead> <tbody> <tr> <td>004005</td> <td></td> <td>EAR5167_R</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Event</th> <th>Text</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>U013281</td> <td>Communication with control unit "Suspension" has a malfunction. 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Disclaimer

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Symptoms
Chassis/suspension > Suspension/Dampening > Suspension System Function > Indicator lamp is on
Chassis/suspension > Suspension/Dampening > AIRMATIC > Indicator lamp > lit
Chassis/suspension > Suspension/Dampening > Electronic level control ENR > Malfunction
Chassis/suspension > Suspension/Dampening > Roll control > Malfunction

Control unit/fault code

XENTRY Tips

Control unit	Fault text
A108/3 - Active roll stabilization REAR (Roll control) (EARS167_R)	C156F00 - The signal values of the level sensors are implausible. _ U013281 - Communication with control unit "Suspension" has a malfunction. Incorrect data were received.
A108/2 - Active roll stabilization FRONT (Roll control) (EARS167_F)	C156F00 - The signal values of the level sensors are implausible. _ U013281 - Communication with control unit "Suspension" has a malfunction. Incorrect data were received.

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
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