

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

Topic number	LI32.35-P-079752
Version	1
Function group	32.35 - Stabilizer
Date	9/9/25
Validity	167 (GLE and GLS), 223, and 294 with Option Code 465 AMG ONLY
Reason for change	

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.

Use Hioki to measure wiring to all four level sensors.

Use above DTC freeze frame data to inspect specific wiring.

In some instances, level sensors may rectify concern although wiring to a different level sensor may be the cause.

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

Attachments

File

A108 U013281 Handler.png

A108/3 - Active roll stabilization REAR (Roll control)-I-

Model	Part number	Supplier	Version
Hardware	167 901 47 06	ZF	20/21 000
Software	167 902 19 11	ZF	20/42 001
Software	167 903 92 05	ZF	20/42 000
Boot software	167 904 87 00	ZF	19/22 000
Diagnosis identifier	004005	Control unit variant	EARS167_R_Series_R09
Event	Text	Status	
U013281	Communication with control unit "Suspension" has a malfunction. Incorrect data were received.	S	
	Name	First occurrence	Last occurrence
	Berechneter_DC_Strom_aus_MotorControl	-0.01A	0.21A
	E2E_Fehlertyp	0	0
	EPU_Controller_State	7	7
	Istpositions_Actuator	-1.20°	0.59°
	Klemme_15_Status	4	4
	Motor_rpm	0.00RPM	-190.00RPM
	Spannungsmessung_48V_Versorgung	46.54V	45.83V
	Stabilization_desired_torque	0.00NM	-58.00NM
	System_State	NORMAL_MODE	NORMAL_MODE
	VehLateralAccel	-0.28m/s²	0.30m/s²
	Vehicle_Speed	0.00km/h	78.00km/h
	ZF_error_handler	SPC_FEHLER_VehLvl Stat_HP_AMG_AR2 SNA_VehLvl_RR_V2 AMG	SPC_FEHLER_VehLvl Stat_HP_AMG_AR2 SNA_VehLvl_RR_V2 AMG
	_reserved_Klemme_15_Zaehler	0	0
	aktuell_Phasenstrom_Phase_1	0.05A	-0.21A
	aktuell_Phasenstrom_Phase_2	-0.21A	2.66A
	aktuell_Phasenstrom_Phase_3	0.15A	-2.46A
	gemessene_Temperatur_Controlboard	47.79°C	43.90°C
	gemessene_Temperatur_Powerboard	31.10°C	29.00°C
	Frequency counter	---	2.00
	Total distance	16064.00km	16160.00km
	Number of ignition cycles since the last occurrence of the fault	---	19.00
	Operating time	---	4294967295
C156F00	The signal values of the level sensors are implausible. _	S	
	Name	First occurrence	Last occurrence
	Berechneter_DC_Strom_aus_MotorControl	-0.01A	0.17A
	E2E_Fehlertyp	0	0
	EPU_Controller_State	7	7
	Istpositions_Actuator	-1.20°	0.59°
	Klemme_15_Status	4	4
	Motor_rpm	0.00RPM	-194.00RPM
	Spannungsmessung_48V_Versorgung	46.54V	45.80V
	Stabilization_desired_torque	0.00NM	-51.00NM
	System_State	NORMAL_MODE	NORMAL_MODE
	VehLateralAccel	-0.28m/s²	0.30m/s²
	Vehicle_Speed	0.00km/h	78.00km/h
	ZF_error_handler	HEIGHT_LEVEL_ERR OR	HEIGHT_LEVEL_ERR OR
	_reserved_Klemme_15_Zaehler	0	0

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Description

ZF Error Handler Text

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 > 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

Control unit	Fault text
A108/3 - Active roll stabilization REAR (Roll control) (EARS167_R)	C156F00 - The signal values of the level sensors are implausible. _

XENTRY Tips

	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