

Instrument Cluster Message for Active Emergency Stop Assist not active/Active Lane Keep Assist

Topic number	LI46.10-P-078012
Version	6
Function group	46.10 - Steering wheel, jacket tube, steering shaft, steering lock
Date	7/25/25
Validity	Vehicles with capacitive steering wheel with code 266 and manufacturing date as from 2020
Reason for change	Update to remedy

Complaint

Hand detection system not operating correctly / vehicles with code 266

Fault message in instrument cluster:

"Active Emergency Stop Assist not available"

"Active Lane Keeping Assist not available"

Cause

Possible causes: the hand detection mat, the hand detection control unit, the contacts and the steering wheel harness.

Remedy

In the event of a customer complaint and

fault code in IDC control unit: U186B29 in IDC223 or fault code U0429E0, U042941, U042929, U042902, U0429E1 in IDC213 or

fault code in HOSWD control unit: B1E7614

Test:

Please perform the new SCN coding for HOSWD control unit (N179/1) (available since May 2025).

Please flash the IDC (N62/4) software A223 902 75 37 (only applies to HOSWD223).

Erase fault memory

Remedy:

Switch on ignition without touching the steering wheel.

If after 10 seconds without touching the steering wheel, one of the two fault messages appears in the IC:

Please check contacts and feed lines in the steering wheel by means of visual inspection for damage, crimped connections, loose connections, etc. (example in picture 2 and 3).

If there is visible damage -> replace steering wheel electronics or feed lines.

If there is no visible damage -> Proceed to replace the steering wheel.

If no yellow message appears in the instrument cluster within 10 seconds:

Please grab the steering wheel all the way round, including the 6 o'clock chrome molding, with both hands (see picture 1).

If the fault is triggered by grabbing the steering wheel rim or pressing on the 6 o'clock clasp, check contacts and feed lines in the steering wheel by means of visual inspection for damage, crimped connections, loose connections, etc. (example in picture 2 and 3). Check ground connections (screw connections and cable to steering wheel rim); if necessary tighten screws/bolts and check for corrosion (Picture 4).

If there is visible damage -> replace steering wheel electronics or feed lines.

If no fault is visible -> Proceed to replace the steering wheel.

In the event of a customer complaint and further fault code in HOSWD:

B1E7713:

Check ground connections (screw connections and cable to steering wheel rim); if necessary tighten screws/bolts and check for corrosion (Picture 4).

B1F1F04:

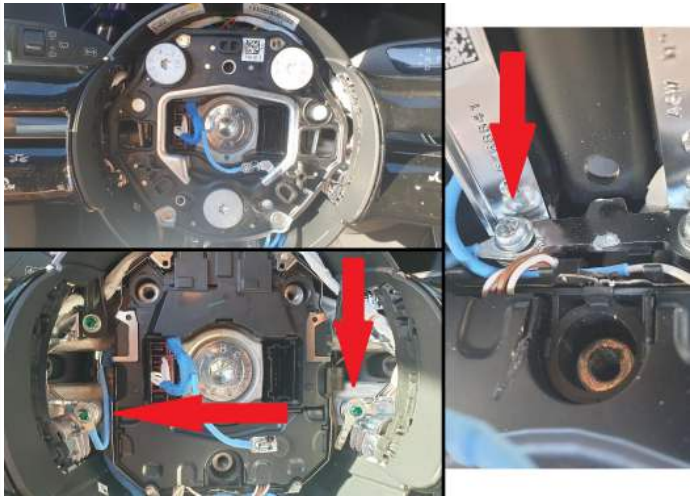
Check hand detection system control unit; if necessary swap with donor vehicle (ensure that the HW part numbers are identical).

Attachments	
File	Description
Picture 1.PNG 	Picture 1 Hand Positions
Picture 2.PNG 	Picture 2 Harness damaged
Picture 3.PNG	Picture 3 Harness damaged



Picture 4.jpg

Picture 4 Screw connections



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 > Brake system > Brakes/traction regulation system > Brake assist system BAS > Display message > Brake assist - not available
Lighting > Exterior lights > Driving lights > Adaptive Highbeam Assist > Warning message in instrument cluster

Communication/information > Assistance and warning systems > Active Steering Assist > Malfunction

Communication/information > Assistance and warning systems > Active Steering Assist > Warning message in instrument cluster

Control unit/fault code	
Control unit	Fault text
N62/4 - Driver assistance system (SG-FAS) (IDC223)	U186B29 - Communication with control unit 'Hand detection system' has a malfunction. There is an invalid signal.
N62/4 - Mercedes-Benz Intelligent Drive (SG-FAS) (IDC213)	U0429E1 - Implausible data were received from the steering column module. _ U042902 - Implausible data were received from the steering column module. There is a general signal fault. U042929 - Implausible data were received from the steering column module. There is an invalid signal. U042941 - Implausible data were received from the steering column module. There is a general checksum error. U0429E0 - Implausible data were received from the steering column module. _
N179 - Hand detection system (HE) (HOSWD213)	P1CA000 - Initial startup was not performed. _ P164456 - An incorrect variant coding or configuration was detected. An incorrect or incompatible configuration was detected. B1F1F04 - Control unit 'Hand-detection system' has a malfunction. There is an internal fault. B1E7713 - The ground connection of the control unit 'Hand detection system' has a malfunction. There is an open circuit. B1E7614 - The sensor mat of the control unit 'Hand detection system' has a malfunction. There is a short circuit to ground or an open circuit.
N179 - Hand detection system (HE) (HOSWD223)	P1CA000 - Initial startup was not performed. _ P164456 - An incorrect variant coding or configuration was detected. An incorrect or incompatible configuration was detected. B1F1F04 - Control unit 'Hand-detection system' has a malfunction. There is an internal fault. B1E7713 - The ground connection of the control unit 'Hand detection system' has a malfunction. There is an open circuit. B1E7614 - The sensor mat of the control unit 'Hand detection system' has a malfunction. There is a short circuit to ground or an open circuit.

Operation numbers/damage codes

XENTRY Tips

Op. no.	Operation text	Time	Damage code	Note
			46248GI	Steering wheel - faulty hand detection system
			46803	Hand detection control unit
			5983Z	Contacts/line, hand detection control unit