

## Message in instrument cluster "Electric Rear Axle Locking Differential Inoperative"

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Topic number	LI35.41-P-062294
Version	6
Function group	35.41 Automatic locking differential (ASD)
Date	07-24-2017
Validity	Model series 205 / 213 with code 467 (Electronic locking differential)
Reason for change	Remedy revised
Reason for block	

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### Complaint:

Message in instrument cluster "Electronic rear axle locking differential nonfunctional"

### Cause:

1. Fault code stored in other control units
2. Fault code only stored in AMG suspension control unit (N3/43)

### Remedy:

Re. 1:

Check the general initial quick test for communication faults between various control units and process the corresponding fault code in the control units.

It is mainly the following control units that are affected:

- Engine control unit (N3/10)
- ESP control unit (N30/4)
- Powertrain control unit PTCU (N127)
- AMG suspension (N3/43)
- Rear SAM (N10/8)

Re. 2:

1. Create and save control unit log from AMG suspension control unit (N3/43)
2. Update software release of AMG suspension control unit (N3/43)
3. Erase fault memory and perform a test drive
4. If fault persists, create new control unit log of AMG suspension control unit (N3/43). Create PTSS case and attach the required documentation. (Attach both logs to the case.)

Symptoms
Power transmission / Differential / Rear axle differential / Function / Differential lock nonfunctional
Power transmission / Transfer case / Function / Differential lock nonfunctional
Power transmission / Transfer case / Function / Electrical fault/Fault code

# XENTRY TIPS

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Communication/information / Information display / Displays / Multifunction display / Multifunction display, error messages / Drivetrain - Malfunction (white warning message)

Control unit/fault code		
Control unit	Fault code	Fault text
N3/43 - AMG suspension (AMG FW) (ACC_205) (C (205))	P1C4E31	The differential lock on the rear axle has a malfunction. The signal is not present.
N3/43 - AMG suspension (AMG FW) (ACC_205) (C (205))	P1C4D11	Actuator motor 'Differential lock on rear axle' has a malfunction. There is a short circuit to ground.
N3/43 - AMG suspension (AMG FW) (ACC_205) (C (205))	P1C4D13	Actuator motor 'Differential lock on rear axle' has a malfunction. There is an open circuit.
N3/43 - AMG suspension (AMG FW) (ACC_205) (C (205))	P1C4D4B	Actuator motor 'Differential lock on rear axle' has a malfunction. There is a fault due to overtemperature.
N3/43 - AMG suspension (AMG FW) (ACC_205) (C (205))	P1C4E00	The differential lock on the rear axle has a malfunction. _