

Vehicles with SCR Generation 4: SCR/AdBlue® warning message cannot be reset with fault code P13DF00 or P300685

Topic number	LI49.20-N-075995
Version	4
Function group	49.20 - Exhaust gas aftertreatment
Date	3/6/25
Validity	Model 907 with code KP7 (Generation 4 SCR exhaust gas cleaning)
Reason for change	Remedy update

Complaint

Vehicles with SCR Generation 4: SCR/AdBlue® warning message cannot be reset.

Information: All fault codes in the AdBlue® (SCR) control unit have been processed and corrected; however, fault codes P13DF00 and P300685 remain active and stored in the AdBlue® (SCR) control unit.

Cause

The procedure for resetting the SCR/AdBlue® warning message with XENTRY Diagnosis has not been carried out.

Information: Before resetting the SCR/AdBlue® warning message for SCR Generation 4, the AdBlue® system must be in proper working condition and tested.

Remedy

Note: Do not replace any parts

1. Connect the Battery Charger

- Refer to manual AR54.10-D-1127TS for detailed instructions specific to Model 907.
- Note: Maintaining an adequate voltage from the onboard electrical system battery is crucial throughout the entire work procedure. Insufficient voltage can damage the control units.

Important: Follow the operating instructions for the charger meticulously.

Important: Ensure the charger sustains a minimum voltage of 12.5V from the onboard electrical system battery at all times.

2. Connect the Diagnostic Device

- Refer to manual AD00.00-D-2000-06TS for detailed instructions on connecting the diagnostic device for Model 907.

Important: Adhere strictly to the operational steps outlined in the XENTRY Diagnosis.

Note: Utilize XENTRY Diagnosis version 09/2024 with Add-on 30134 or 12/2024 with Add-on 30113 or later. Verify that you have the latest version and add-ons, as updates are regular.

3. Reset the SCR/AdBlue® Warning Message using XENTRY Diagnosis

- Navigate through the menu items as follows:
- Quick test view → N118/5 – Selective Catalytic Reduction (SCR GEN4) → Special processes → Reset SCR/AdBlue® warning message.

Note: Ensure all 5 listed processes are completed successfully, indicated by Actual value: "successfully completed".

4. Complete the Disconnect and Sleep Mode Initiation Procedure

- Disconnect XENTRY.
- Refer to manual AD00.00-D-2000-06TS for the correct procedure to disconnect the diagnostic device from Model 907.
- Disconnect the Battery Charger
- Refer to manual AR54.10-D-1127TS for instructions on safely disconnecting the battery charger from Model 907.
- Turn off the ignition.
- Remove the key.
- Lock the vehicle and wait approximately 15 minutes to allow the CAN bus system to enter sleep mode.

5. Post-Sleep Mode Vehicle Start

- After the 15-minute waiting period, start the vehicle.

Note: The "starts remaining" message will remain on the Instrument Cluster (IC), but the vehicle will not be in the 5mph derate mode.

6. Drive for System Self-Test

- Drive the vehicle for 5-10 miles to enable the SCR system to perform a self-test and potentially resolve fault codes.

7. Confirm and Erase Fault Codes

- Verify that the "starts remaining" message disappears from the IC.
- Ensure all relevant fault codes are stored.
- Erase the fault memory if necessary.

8. Disconnect the Diagnostic Device

- Refer to manual AD00.00-D-2000-06TS for the correct procedure to disconnect the diagnostic device from Model 907.

9. Disconnect the Battery Charger

- Refer to manual AR54.10-D-1127TS for instructions on safely disconnecting the battery charger from Model 907.

Note: It is not permitted to replace parts or to invoice for material or wage costs under the warranty or goodwill in connection with an incorrectly executed reset of the SCR/AdBlue® warning message with XENTRY Diagnosis.

Attachments	
File	Description
SCR reset test plan.mp4	SCR reset test plan

WIS-References		
Document number	Title	Note
AD00.00-D-2000-06TS	Connect/disconnect diagnostic device	Model 907
AR54.10-D-1127TS	Maintain on-board electrical system voltage for testing and diagnosis work on the vehicle	Model 907

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
Power generation > Engine management > Indicator lamp > Engine diagnosis > lit
Communication/information > Information display > Indicator lamp > lit
Power generation > Exhaust system > AdBlue > AdBlue consumption > Too high
Power generation > Exhaust system > AdBlue > AdBlue consumption > Too low
Power generation > Engine management > Function > Malfunction

Control unit/fault code	
Control unit	Fault text
N118/5 N141 - Selective catalytic reduction (SCR GEN4) (UDCM2)	P13DF00 - The AdBlue® system has a malfunction. _

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
541011	Perform quick test	---		
540650	Maintain on-board electrical system voltage (for testing and diagnosis work)	---		
470642	CHECK ADBLUE(R) SYSTEM (AFTER QUICK TEST)	---		