

Vehicles with SCR Generation 4: SCR/AdBlue® warning message cannot be reset (P13DF00)

Topic number	LI49.20-N-075995
Version	3
Function group	49.20 - Exhaust gas aftertreatment
Date	1/16/25
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 rectified; however, ONLY fault code P13DF00 remains 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: In order to reset the SCR/AdBlue® warning message for SCR Generation 4, the AdBlue® system needs to be checked.

Remedy

Note: Do not replace any parts

1. Connect the battery charger (refer to AR54.10-D-1127TS for model 907).

Note: It is crucial to maintain an adequate voltage from the onboard electrical system battery throughout the entire work procedure. If the voltage drops too low, it could damage the control units.

Important: Follow the operating instructions provided with the charger.

Important: Ensure that the charger maintains a minimum voltage of 12.5 V from the onboard electrical system battery.

2. Connect the diagnostic device (refer to AD00.00-D-2000-06TS for model 907).

Important: It is essential to strictly follow the operation steps outlined in the XENTRY Diagnosis.

Note: Use XENTRY Diagnosis version 09/2021, along with all necessary and up-to-date add-ons, or a newer version of XENTRY Diagnosis.

3. Follow the procedure to reset the SCR/AdBlue® warning message using XENTRY Diagnosis.

To do this, select the menu items as follows:

Quick test view → N118/5 – Selective Catalytic Reduction (SCR GEN4) → Special processes → Reset SCR/AdBlue® warning message.

Note: All 5 listed processes must be completed successfully (Actual value: "successfully completed").

Information: After the SCR/AdBlue® warning message has been reset, the status of fault code P13DF00 in the Ad-Blue® (SCR) control unit changes from active and stored (A+S) to stored (S) and the fault code can now be deleted.

NOTE: If a reset is still not possible, please conduct a test drive to ensure that the Adblue system and all three NOx sensors are operational. At that point, fault code P13DF00 should be stored and can then be cleared.

4. Erase fault memory.

5. Disconnect the diagnostic device from the vehicle (see AD00.00-D-2000-06TS for model 907).

6. Disconnect the charger from the vehicle (see AR54.10-D-1127TS for 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)	---		