

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

Topic number	LI49.20-N-075995
Version	1
Function group	49.20 - Exhaust gas aftertreatment
Date	3/8/23
Validity	Model 907 with code KP7 (Generation 4 SCR exhaust gas cleaning)
Reason for change	

Complaint

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

Information: All fault codes in AdBlue® (SCR) control unit have been processed and rectified; however 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 component parts

1. Connect charger (see AR54.10-D-1127TS for model 907).

Note: An adequate voltage from the on-board electrical system battery must be guaranteed for the entire duration of the work procedure. Otherwise the control units could be damaged if an undervoltage occurs.

Information: Observe the operating instructions of the charger.

Information: Use the charger to ensure an adequate voltage (at least 12.5 V) from the on-board electrical system battery.

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

Information: Strict compliance with the operation steps as specified in XENTRY Diagnosis is absolutely essential.

XENTRY TIPS

Note: Use either XENTRY Diagnosis version 09/2021 with all associated and up-to-date add-ons or a higher version of XENTRY Diagnosis.

-
- Carry out the procedure for resetting the SCR/AdBlue® warning message with XENTRY Diagnosis.

Note: To do this, select the following menu items:

Model 907: Quick test view → N118/5 – Selective Catalytic Reduction (SCR GEN4) → Special processes → Reset SCR/AdBlue® warning message.

Note: It is essential that all 5 listed processes are completed successfully (Rountinfo actual value: "successfully completed").

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

-
- Erase fault memory.

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

-
- Disconnect charger from 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.

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

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

Control unit/fault code	
Control unit	Fault text

XENTRY TIPS

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)	---		