

BlueTec 4/5 - "SCR air pressure too high" (MR FC 1 68 20)

Topic number	GI14.40-N-026178
Version	11
Design group	14.40 Exhaust-gas Aftertreatment, AdBlue
Date	02-17-2011
Validity	All vehicles with code MS4 (Euro 4) or MS5 (Euro 5)
Reason for change	Download MR 1_35; flushing of metering device reintroduced; checklist in attachment.
Reason for block	

Complaint:

MR fault code 1 68 20 appears in the Instrument: "SCR air pressure too high".

Cause:

Blockage inside the AdBlue metering device, the AdBlue metering line (1) and/or the AdBlue injector (2), see attachment 1.

Attachments	
File	Designation
Anlage 1 Dosiereinheit.jpg	(1) AdBlue metering line (2) AdBlue injector

Remedy:

Note for vehicles prior to production month 03/2011: Perform download MR_1_35 (as of Star Diagnosis DVD 09/10). The new software V11 contains a function that automatically flushes the metering device with AdBlue when it is blocked. Download MR 1_35 is recommended when vehicles have repeatedly suffered from the problem of a blocked metering device.

1) Flush metering unit as per AR14.40-W-2031A.

2) Check actual value 69 (air pressure in metering device) using Star Diagnosis.

Actual value 69 < 2000 mbar ?

YES: Continue with step 6.

NO: Flush metering unit again as per AR14.40-W-2031A. Continue with step 3.

3) Check actual value 69 (air pressure in metering device) using Star Diagnosis.

Actual value 69 < 2000 mbar ?

YES: Continue with step 6.

NO: Continue with step 4.

4) Disconnect metering line from metering device and check actual value 69.

Actual value 69 > 1300 mbar ?

YES: Replace metering unit and metering line. Continue with step 5.

NO: Replace nozzle and metering line. Continue with step 6.

5) Recheck air pressure.

Actual value 69 > 2000 mbar ?

YES: Injection nozzle blocked. Replace injection nozzle.

NO: System OK. Continue with step 6.

6) Erase fault memory.

Attachments	
File	Designation
Checklist - FC 6820 - SCR compressed air pressure too high.pdf	Checklist - English version
Checkliste - FC 6820 - SCR Druckluftdruck zu hoch.pdf	Checklist - German version

Symptoms
Communication/information / Information display / Displays fault code / Multifunction display / Multifunction display / Displays /

Control unit/fault code		
Control unit	Fault code	Fault text
MR engine control, MR engine control (PLD) (MRSKR) (Eco-nic,Actros 2,3,Atego II,Axor II)	6820	SCR air pressure is too high.

Work units				
Op. no.	Operation text	Time	Damage code	Note
14-8032	REMOVE/INSTALL METERING DEVICE		14473 B2	
14-8031	REMOVE/INSTALL INJECTOR		14479 B2	
14-8029	REMOVE/INSTALL INJECTION LINE		14475 B2	

WIS-References			
Document number	Title	Note	Allocation
AR14.40-W-2031A	Flush metering device of exhaust aftertreatment system	Select appropriate document in WIS according to model.	Remedy

AR14.40-W-2001A	Remove/install injection line of exhaust aftertreatment system	Select appropriate document in WIS according to model.	Remedy
AR14.40-W-2000A	Remove/install injection nozzle of exhaust aftertreatment system	Select appropriate document in WIS according to model.	Remedy
AR14.40-W-2002A	Remove/install metering device of exhaust aftertreatment system	Select appropriate document in WIS according to model.	Remedy