
Engine and/or AdBlue® indicator lamp lights up "Check Ad-Blue®" and/or "No start in XXX" appears in instrument cluster.

Topic number	LI49.20-N-058621
Version	4
Design group	49.20 Exhaust aftertreatment unit
Date	03-12-2014
Validity	Model 906 with engine OM 651 with SA code XM0 and SA code MP6 (Sprinter Bluetec Euro6) Model 906 with engine OM 642 with SA code XM0 and SA code MP6 (Sprinter Bluetec Euro6) Model 906 with engine OM 651 with SA code XM0 and SA code MH5
Reason for change	Added PTSS
Reason for block	

Complaint:

Engine and/or AdBlue® indicator lamp lights up "Check AdBlue®" and/or "No start in XXX" appears in instrument cluster.

Cause:

Software, component malfunction, incorrect fluid in AdBlue® system.

Remedy:

Note: Replacement of the AdBlue® tank or of the NOx sensors (front and/or rear sensor) is not effective.

1. Perform initial quick test.
2. Generate "Development data diagnosis sheet"(engine control unit, special processes, acquisition of diagnostic performance data).
3. Update software of CDI control unit (N3/20).

Use the following versions:

- Vehicles with EuroVI (MP6) with DVD 11/2013 and add-on 3407
 - Vehicles with EuroVI (MP6) with DVD 01/2014 and add-on 3408
 - Vehicles with EPA14 (MH5) with DVD 11/2013 and add-on 3332
 - Vehicles with EPA14 (MH5) with DVD 01/2014 and add-on 3350
4. If other fault entries referring to the AdBlue® system are stored, these are to be processed first via the guided test using Xentry DAS.
 5. Reset the warning message via the guided test (includes erasing of fault memory). To do this, the tests offered for each fault code must be processed individually.
 6. Perform final test drive (at least 20 minutes).

Note: If following steps 3 to 6 is not effective: Create a PTSS case and attach all requested printouts listed below to the case:

- a) Quick test
- b) Development data diagnosis sheet
- c) Freeze frame data of the fault codes
- d) Control unit log
- e) Test step with all measured testing values.

Symptoms
Power generation / Engine management / Engine management indicator lamp / Engine diagnosis / lit
Communication/information / Information display / Displays / Multifunction display / Multifunction display, error messages
Overall vehicle / Networking / Diagnosis/software / Software update (add-on)
Power generation / Exhaust system / AdBlue / AdBlue consumption / Too high
Power generation / Exhaust system / AdBlue / AdBlue consumption / Too low

Control unit/fault code		
Control unit	Fault code	Fault text
CDI - Motor electronics 'CDI60' for combustion engine 'OM642' (N3/35) (CR60NFZ_ EURO6)	P225F64	null
CDI - Motor electronics 'CDI60' for combustion engine 'OM642' (N3/35) (CR60NFZ_ EURO6)	P229F00	NOx sensor 2 (cylinder bank 1) has a malfunction. _
CDI60Common Rail Diesel Injection (CR60NFZ)	18BB00	The signal of component 'NOx sensor downstream of SCR catalytic converter' is implausible.
CDI60Common Rail Diesel Injection (CR60NFZ)	179000	CAN communication with component 'A97/2 (NOx sensor control unit downstream of SCR catalytic converter)' has a malfunction.
CDI - Motor electronics 'CDI43' for combustion engine 'OM651' (N3/33) (CR43)	P229FFF	NOx sensor 2 (cylinder bank 1) has a malfunction. _
CDI - Motor electronics 'CDI43' for combustion engine 'OM651' (N3/33) (CR43)	P229FE3	NOx sensor 2 (cylinder bank 1) has a malfunction. _
CDI - Motor electronics 'CDID3' for combustion engine 'OM651' (N3/28) (CRD3NFZ)	P229F09	NOx sensor 2 (cylinder bank 1) has a malfunction. There is a component fault.
CDI - Motor electronics 'CDID3' for combustion engine 'OM651' (N3/28) (CRD3NFZ)	P225F2A	null

Work units				
Op. no.	Operation text	Time	Damage code	Note

54-1011	PERFORM QUICK TEST			
54-0988	CONTROL UNIT: INSTALL SOFTWARE			

Validity		
Vehicle	Engine	Transmission
Sprinter III	642	711
Sprinter III	642	716
Sprinter III	642	722
Sprinter III	651	711
Sprinter III	651	716
Sprinter III	651	722