

Engine in limp-home mode, engine diagnosis indicator lamp lights up, fault code 11C300 (MODEL 639) or P11C300 or P019185 (MODEL 906) stored in engine control unit

Topic number	LI07.04-N-060527
Version	2
Design group	07.04 Senders, sensors
Date	06-30-2016
Validity	OM642 in MODEL 639 ### from 832951 to 889962 OM642 in MODEL 906 ### 1S from 819883 to 898437 OM642 in MODEL 906 ### 1N from 558446 to 580281
Reason for change	Added Pin crimping text & example
Reason for block	

Complaint:

Engine in limp-home mode, engine diagnosis indicator lamp lights up, fault code 11C300 (MODEL 639) or P11C300 or P019185 (MODEL 906) stored in engine control unit.

Cause:

Faulty crimping of female contacts on engine wiring harness to rail pressure sensor.

Remedy:

Important: Do not replace the rail pressure sensor!

If the fault code 11C300 (MODEL 639) or P11C300 or P019185 (MODEL 906) is stored in the engine control unit

1. Perform quick test.
2. Replace female contacts (A009 545 81 26) and gasket (A000 545 71 80) on engine wiring harness to rail pressure sensor.
3. Prior to installing new pins, examine the pins and verify the pin contacts are not already spread (See attachment "Good & Bad Crimping Examples")
4. When crimping the pins on the existing wires take care to crimp the wires correctly. (See attachment "Good & Bad Crimping Examples")
5. Erase fault memory.

If this procedure has been previously performed and the fault code returns:

1. Perform quick test.
2. Create a PTSS case and attach the current quick test results.

Attachments	
File	Description
Good & Bad Crimping Examples.pdf	Examples of Pin Crimping

Symptoms
Power generation / Engine management / Indicator lamp / Engine diagnosis / lit
Power generation / Engine management / Engine performance / Goes into limp-home mode

XENTRY TIPS

Power generation / Engine management / Engine performance / Poor/delayed throttle response

Power generation / Engine management / Engine performance / No/poor output

Power generation / Engine management / Engine performance / Cuts off

Power generation / Engine management / Engine performance / Poor acceleration

Control unit/fault code

Control unit	Fault code	Fault text
CDI6Common Rail Diesel Injection, CDI6-Common Rail Diesel Injection (CR6NFZ)	11C300	The upper limit value of component B4/17 (Rail pressure sensor) has been exceeded.
CDI60Common Rail Diesel Injection (CR60NFZ) (Sprinter III)	P11C300	The upper limit value of component B4/17 (Rail pressure sensor) has been exceeded.
N3/35 - Motor electronics 'CDI60' for combustion engine 'OM642' (CDI) (CR60NFZ_EURO6) (Sprinter III)	P019185	The rail pressure sensor has a malfunction. There is a signal above the permissible limit value.

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A 009 545 81 26			Female contact		As required	X
A 000 545 71 80			Gasket		As required	X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
54-1011	PERFORM QUICK TEST		07297 73	
54-9203	REPLACE FEMALE CONTACT FOR ...		07297 73	

WIS-References

Document number	Title	Note	Allocation
WS54.00-Z-9999AZ	Special tool for car electrical system	Overview of wiring harness repair kit	Remedy
PE07.16-D-2101-97AV	Wiring diagram of common rail diesel injection control unit		Remedy
PE07.16-D-2101-97AI	Wiring diagram of common rail diesel injection control unit		Remedy
PE07.16-S-2000-VAD	Wiring diagram of common rail diesel injection control unit		Remedy