
Automatic power window operation nonfunctional, front window opens slightly after closing door

Topic number	LI72.40-P-060689
Version	1
Design group	72.40 Door control
Date	01-23-2015
Validity	BR207
Reason for change	
Reason for block	

Complaint:

Automatic power window operation on driver side and/or passenger side nonfunctional. Loss of window normalization

Note:

- The value of the frequency counter "Watchdog reset on operation of power window" in the DCU-LF (N69/1) or DCU-RF (N69/2) control unit must be greater than zero. (Xentry Diagnostics > DCU-xF > Actual values > Power windows > Frequency counter 'Denormalization of power windows' (see Figure 1)).

Attachments	
File	Description
Watchdog reset counter example.jpg	Watchdog reset counter example

Cause:

Due to a software error in the door control unit DCU-LF (N69/1) and/or DCU-RF (N69/2), the power window may become denormalized.

Remedy:

Adjust power window parameters in DCU-LF (N69/1) and/or DCU-RF (N69/2) control unit.

The new parameters are available with add on 4212 for Xentry DVD 09/14, with add on 4213 for Xentry DVD 12/14 and permanently as of Xentry DVD 03/15.

Procedure:

1. Request password via PTSS case.

1. A. Please attach a screenshot of the window denormalization counter (Xentry Diagnostics > DCU-xF > Actual values > Power windows > Frequency counter 'Denormalization of power windows')

1. B. Please state your Xentry version in the PTSS case notes

Note: Passwords to be provided will most likely be available the next business day

2. Ensure AddOn 4212 or 4213 is installed, or Xentry version is at least 03/2015
3. Enter passwords provided from PTSS case into Xentry diagnostics (see "207 window parameter instructions" attached).
- 3.A. This process described must be performed twice, once for the DCU-LF and once for the DCU-RF
4. In door control unit DCU-LF (N69/1) and DCU-RF (N69/2) run the service "DL_Start_Kodierung".
(XD => DCU-xF => Control unit adaptations => Download => DL_Start_Kodierung => Click "Run" (see Figure 2))
5. In door control unit DCU-LF (N69/1) and/or DCU-RF (N69/2) run the service "DL_Parameter_Fensterhebermotor_Kontrolle".
(XD => DCU-xF => Control unit adaptations => Download => DL_Parameter_Fensterhebermotor_Kontrolle => Click "Run" (see Figure 3))

Note: Unfortunately there is no confirmation of successful parameter modification! This could not be implemented for technical reasons!

Attachments	
File	Description
207 window parameter instructions.pdf	Password entry and parameter instructions

Symptoms
Body / Glazing / Window lifting mechanism/window operation / Remains stationary
Body / Glazing / Window lifting mechanism/window operation / Does not run up
Body / Glazing / Window lifting mechanism/window operation / Does not run down
Body / Glazing / Window lifting mechanism/window operation / Opens by itself

Control unit/fault code		
Control unit	Fault code	Fault text
DCU-LF - Left front door (N69/1) (DMFL_212)	-	-
DCU-RF - Right front door (N69/2) (DMFR_212)	-	-

Work units				
Op. no.	Operation text	Time	Damage code	Note
			72220 EK	
			72230 EK	

Validity

Vehicle	Engine	Transmission
E (207)	*	*

Attachments

Watchdog reset counter
example.jpg:

The screenshot shows the XENTRY Diagnostics software interface. The main window is titled 'XENTRY Diagnostics' and 'Mercedes-Benz'. The 'Diagnosis > Control unit' tab is selected. The left sidebar shows a tree view of the vehicle's components, with 'DCU-LF - Left front door (N69/1)' selected. The 'Actual values' tab is active, displaying a table of error codes and their corresponding actual and specified values.

No.	Name	Actual value	Specified value
390	Incorrect VIN	0	
398	Hall sensor or signal FAULTY	0	
609	Undervoltage during actuation of power window	0	
822	Checksum error	0	
188	The relay sticks in the switched state (contact sticking).	0	
305	Position exceeded during max. window raising	0	
292	Position passed during max. window lowering	0	
985	Watchdog reset during actuation of power window	4	
267	Denormalization of power window via diagnosis command	0	

The interface also includes a 'Selection' list on the left, a 'Frequency counter 'Denormalization of power windows'' section, and a 'Stop monitoring' button at the bottom. The status bar at the bottom shows the vehicle ID 'WDDKKSKF6EF248622', the engine number '207.459', the vehicle model 'E (207)', the engine speed 'E: 276.957', the transmission temperature 'T: 722.906', and the time '10:46 AM 1/20/2015'.

Please verify Watchdog reset through **DCU-LF or DCU-RF > Actual values > Power window > Frequency counter 'Denormalization of power windows'**

XENTRY Diagnostics

Diagnosis > Control unit

DCU-LF - Left front door (N69/1)

Version | Error codes / Events | **Actual values** | Actuators | Adaptations | Control unit log | List of fault codes

Selection

- Outside mirrors
- Memory function of outside mirror
- Illumination
- Door locking system
- Infrared receiver
- Switches
- Power window
 - Power window
 - Frequency counter 'Denormalization of power windows'**
 - Reversal
 - Evaluation of window raising
 - Learned values

Frequency counter 'Denormalization of power windows'

Actual values

No.	Name	Value
390	Incorrect VIN	0
398	Hall sensor or s	0
609	Undervoltage c	0
822	Checksum error	0
188	The relay sticks in the switched state (contact sticking).	0
305	Position exceeded during max. window raising	0
292	Position passed during max. window lowering	0
985	Watchdog reset during actuation of power window	4
267	Denormalization of power window via diagnosis command	0

Stop monitoring | Information | Table | Bar graph | Line graph

WDDKK5KF6EF248622 207.459 E (207) E: 276.957 T: 722.906

10:46 AM 1/20/2015

1. This value must be greater than 0

2. Save a screenshot of this page to pSDS & attach to PTSS case

If this value is 0 for both DCU's, this LI document does not apply - please continue with diagnosis

Xentry

XENTRY Diagnostics

Mercedes-Benz

Diagnosis

13.0V Ignition ON

Quick test view Functions view Control unit view Special functions

View: There is no current quick test result available.

Search

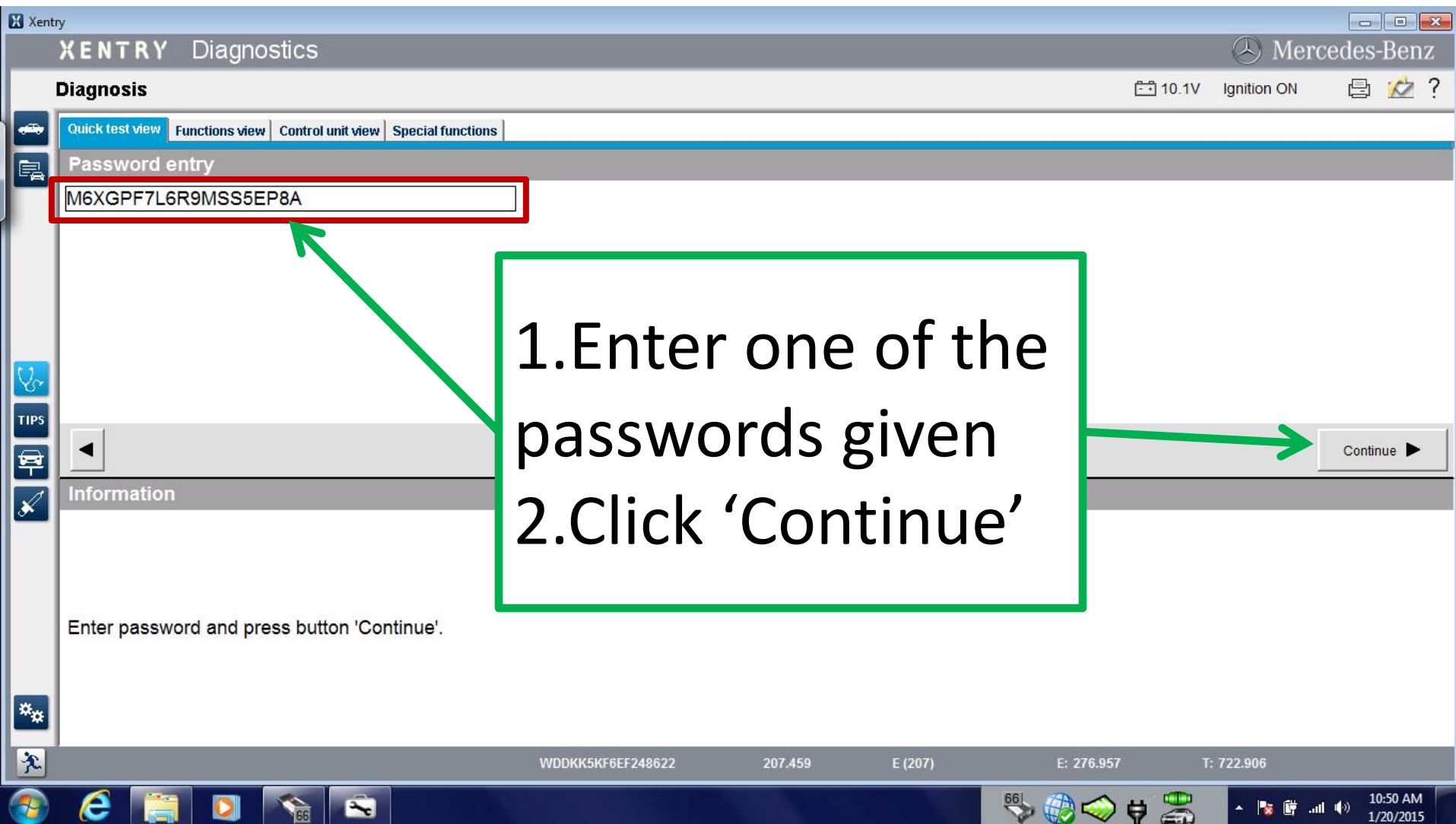
- CGW [ZGW] - Central gateway (CGW [ZGW])
- ISM - Shift module (A80)
- FSCU07 - Control unit 'Fuel pump' (N118)
- ME - Motor electronics 'MED177' for combustion engine 'M276' (N3/10)
- VGS - Fully integrated transmission control (Y3/8n4)
- SG-FOND - Rear control unit (N22/6)
- EZS - Electronic ignition lock (N73)
- SG-SW-L - Left headlamp (E1n9)
- SG-SW-R - Right headlamp (E2n9)
- KG - KEYLESS GO (N69/5)
- SRS - Supplemental restraint system (N2/10)
- RevETR-LF - Left front reversible emergency tensioning retractor (A76)
- RevETR-RF - Right front reversible emergency tensioning retractor (A76/1)
- Driver-side SAM - Front signal acquisition and actuation module (N10/1)
- LIN: GTO - Garage door opener (A67n2)

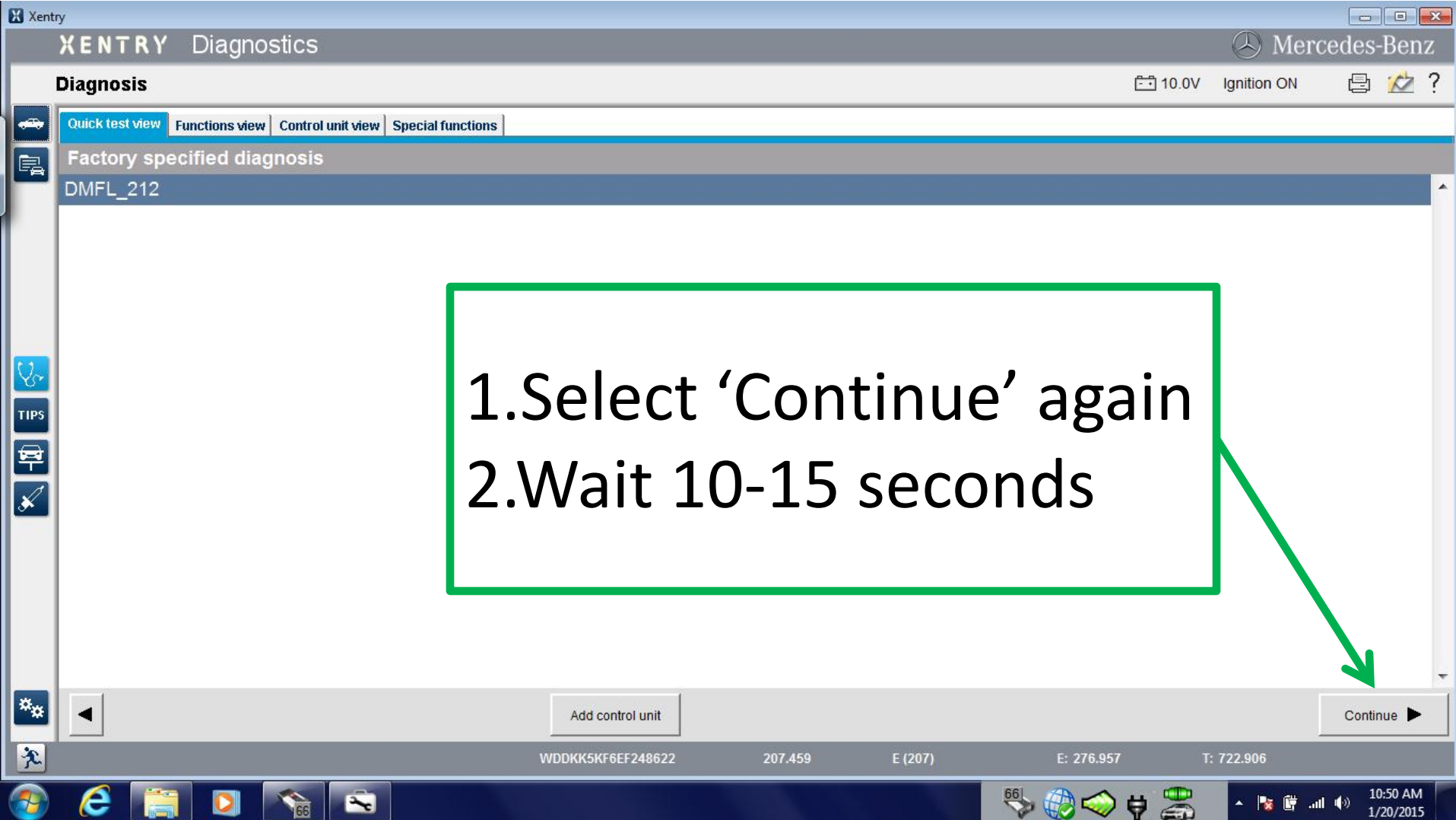
Start quick test Show initial quick test Clear fault memory Open TIPS results Implement test prerequisites Tests Continue

WDDKK5KF6EF248622 207.459 E (207) E: 276.957 T: 722.906

12:14 PM 1/20/2015

1. Press Ctrl + Alt + S from Quick test view





XENTRY Diagnostics Mercedes-Benz

Diagnosis > DMFL_212 10.0V Ignition ON

Name of tester

Control unit version Fault code display Actual values Actuation Control unit adaptation

DMFL_212

MB object number for hardware	212 901 16 05
MB object number for software	212 902 68 06
MB object number for hardware and software	---
Diagnosis identifier	000222
Hardware version	11/27 00
Software version	13/18 00
Boot software version	
Supplier hardware	
Supplier software	
Control unit variant	72_AEJ14_0222

Continue ▶

WDDKK5KF6EF248622 207.459 E (207) E: 276.957 T: 722.906

10:51 AM 1/20/2015

1. Door control unit information is displayed
2. Select 'Control unit adaptation'

Xentry

XENTRY Diagnostics

Mercedes-Benz

Diagnosis > DMFL_212

13.2V Ignition ON

Name of tester

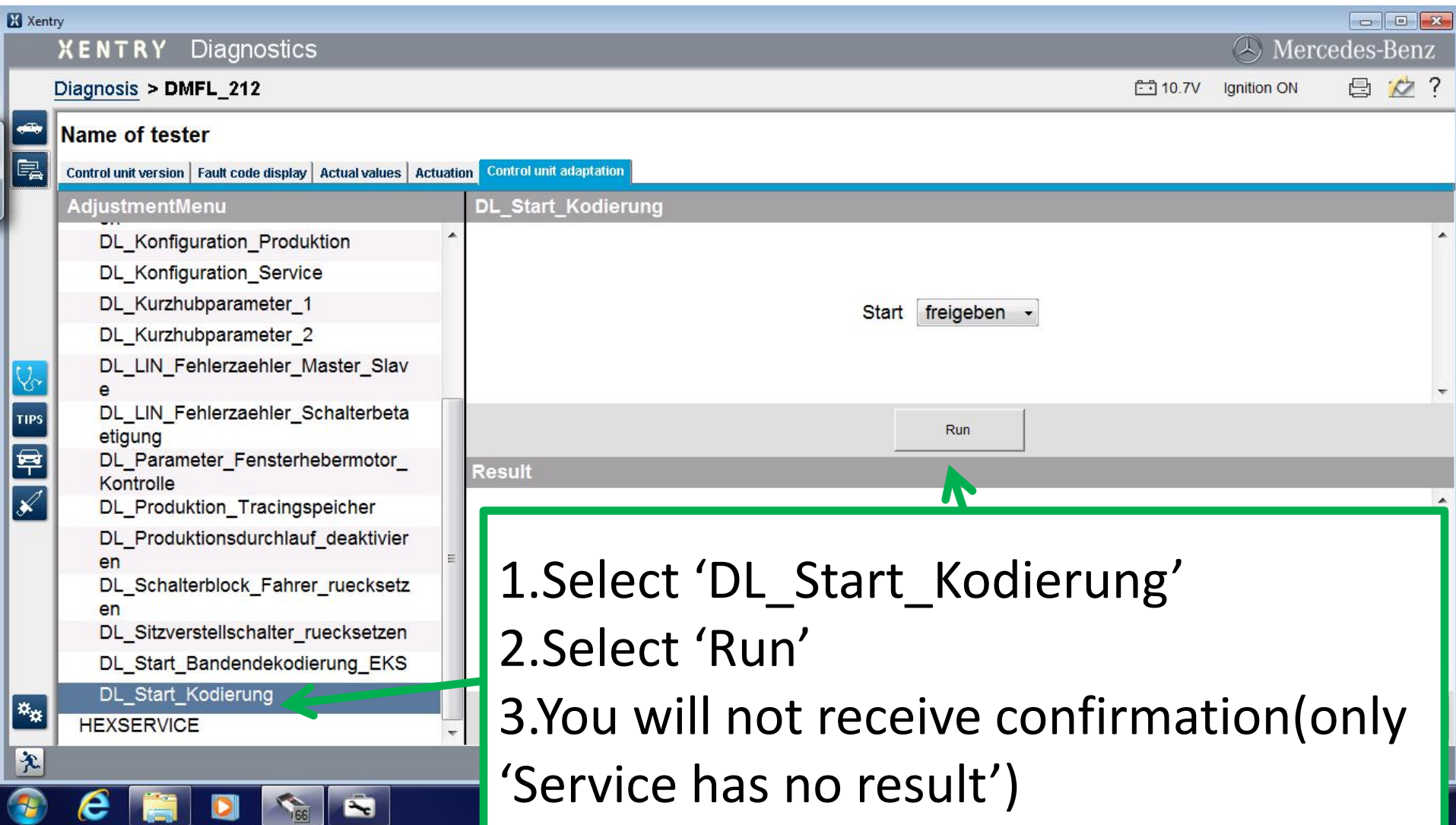
Control unit version | Fault code display | Actual values | Actuation | **Control unit adaptation**

AdjustmentMenu	Selection
+ Variant coding	
Adaptations	
+ Download	
HEXSERVICE	

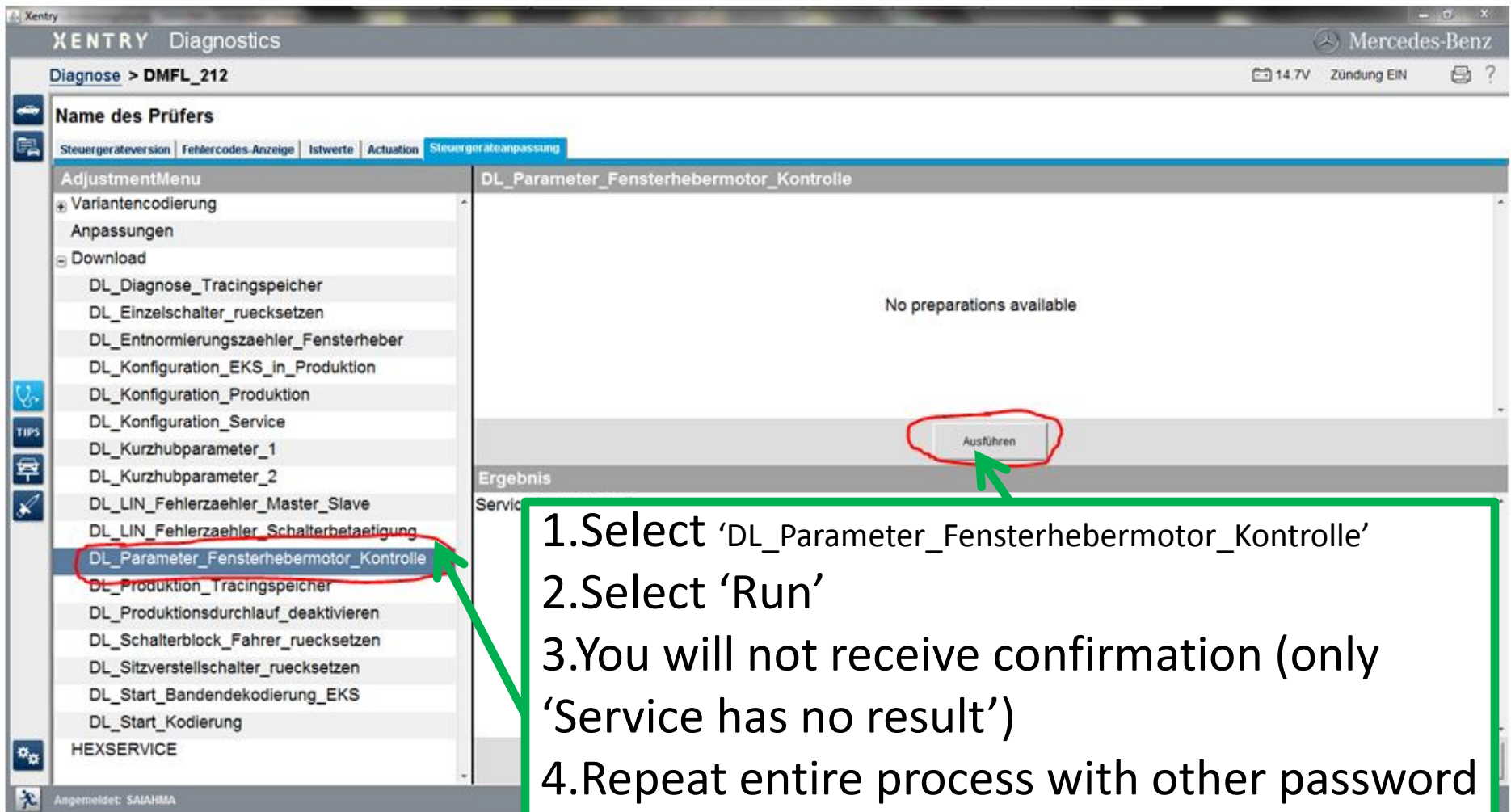
1. Expand the 'Download' menu

WDDKK5KF6EF248622 207.459 E (207) E: 276.957 T: 722.906

10:52 AM 1/20/2015



2. Run the service DL_Parameter_Fensterhebermotor_Kontrolle/DL_Parameter_Fensterhebermotor_Kontrolle ausführen



1. Select 'DL_Parameter_Fensterhebermotor_Kontrolle'
2. Select 'Run'
3. You will not receive confirmation (only 'Service has no result')
4. Repeat entire process with other password given (for other door control unit)
5. Perform Quick test, Exit vehicle/diagnosis